

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057802.D
 Acq On : 9 Sep 2019 15:48
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:30:05 PM

Quant Time: Sep 10 02:49:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	365297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	598497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	373409	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	
35) Dibromofluoromethane	7.57	113	275791	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.09	98	1114443	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
62) 4-Bromofluorobenzene	12.40	95	395157	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	252566	44.472	ug/l	100
3) Chloromethane	2.03	50	236897	24.128	ug/l	100
4) Vinyl Chloride	2.16	62	259222	51.216	ug/l	100
5) Bromomethane	2.53	94	154061	62.281	ug/l	100
6) Chloroethane	2.67	64	162232	53.659	ug/l	100
7) Trichlorofluoromethane	2.99	101	329821	42.140	ug/l	100
8) Diethyl Ether	3.39	74	134953	43.264	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	212116	43.229	ug/l	100
10) Methyl Iodide	3.93	142	244933	49.636	ug/l	100
11) Tert butyl alcohol	4.77	59	236673	235.814	ug/l	100
12) 1,1-Dichloroethene	3.71	96	181788	41.409	ug/l	100
13) Acrolein	3.59	56	192767	356.343	ug/l	100
14) Allyl chloride	4.30	41	357776	36.478	ug/l	100
15) Acrylonitrile	4.96	53	613851	239.464	ug/l	100
16) Acetone	3.80	43	617416	228.480	ug/l	100
17) Carbon Disulfide	4.03	76	296970	31.228	ug/l	100
18) Methyl Acetate	4.30	43	320844	43.854	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	815939	43.953	ug/l	100
20) Methylene Chloride	4.53	84	241820	41.926	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	197557	42.751	ug/l	100
22) Diisopropyl ether	5.93	45	904997	42.493	ug/l	100
23) Vinyl Acetate	5.87	43	3371471	200.044	ug/l	100
24) 1,1-Dichloroethane	5.82	63	480035	43.767	ug/l	100
25) 2-Butanone	6.82	43	900487	233.411	ug/l	100
26) 2,2-Dichloropropane	6.81	77	391026	43.190	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	274065	46.416	ug/l	100
28) Bromochloromethane	7.17	49	245344	42.282	ug/l	100
29) Tetrahydrofuran	7.19	42	541904	219.488	ug/l	100
30) Chloroform	7.36	83	503014	43.953	ug/l	100
31) Cyclohexane	7.64	56	345504	36.445	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	404299	42.835	ug/l	100
36) 1,1-Dichloropropene	7.78	75	326605	42.159	ug/l	100
37) Ethyl Acetate	6.91	43	351229	45.704	ug/l	100
38) Carbon Tetrachloride	7.76	117	318437	43.307	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	346253	42.527	ug/l	100
40) Benzene	8.03	78	1017935	45.964	ug/l	100
41) Methacrylonitrile	7.16	41	161741	42.968	ug/l	100
42) 1,2-Dichloroethane	8.11	62	411931	40.574	ug/l	100
43) Isopropyl Acetate	8.15	43	613199	41.788	ug/l	100
44) Trichloroethene	8.83	130	247326	49.388	ug/l	100
45) 1,2-Dichloropropane	9.11	63	301402	48.464	ug/l	100
46) Dibromomethane	9.20	93	182646	46.213	ug/l	100
47) Bromodichloromethane	9.40	83	392521	46.769	ug/l	100
48) Methyl methacrylate	9.19	41	310242	41.134	ug/l	100
49) 1,4-Dioxane	9.19	88	102201	1112.459	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1953309	236.587	ug/l	100
52) Toluene	10.15	92	651790	48.207	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	419316	49.521	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	454406	49.506	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	287004	52.019	ug/l	100
56) Ethyl methacrylate	10.43	69	447185	51.201	ug/l	100
57) 1,3-Dichloropropane	10.71	76	490920	49.784	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1152445	259.785	ug/l	100
59) 2-Hexanone	10.75	43	1468134	250.024	ug/l	100
60) Dibromochloromethane	10.90	129	286442	53.890	ug/l	100
61) 1,2-Dibromoethane	11.00	107	272228	51.806	ug/l	100
64) Tetrachloroethene	10.63	164	198912	45.337	ug/l	100
65) Chlorobenzene	11.43	112	745072	49.930	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	274562	52.865	ug/l	100
67) Ethyl Benzene	11.51	91	1336992	47.233	ug/l	100
68) m/p-Xylenes	11.62	106	984280	99.960	ug/l	100
69) o-Xylene	11.95	106	495793	50.627	ug/l	100
70) Styrene	11.96	104	878056	51.660	ug/l	100
71) Bromoform	12.13	173	182747	54.641	ug/l	100
73) Isopropylbenzene	12.25	105	1372264	45.402	ug/l	100
74) N-amyl acetate	12.07	43	616140	41.571	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	453602	49.216	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	395022m	49.683	ug/l	
77) Bromobenzene	12.53	156	318484	47.967	ug/l	100
78) n-propylbenzene	12.59	91	1608292	45.018	ug/l	100
79) 2-Chlorotoluene	12.68	91	959975	44.052	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1177965	45.792	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	122385	48.150	ug/l	100
82) 4-Chlorotoluene	12.78	91	1013829	45.060	ug/l	100
83) tert-Butylbenzene	13.00	119	1034611	47.301	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1200465	47.063	ug/l	100
85) sec-Butylbenzene	13.17	105	1402159	46.746	ug/l	100
86) p-Isopropyltoluene	13.29	119	1269697	49.601	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	620850	49.539	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	617951	49.296	ug/l	100
89) n-Butylbenzene	13.62	91	1183267	47.155	ug/l	100
90) Hexachloroethane	13.88	117	190282	48.140	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	619154	50.236	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81118	45.935	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	378373	51.403	ug/l	100
94) Hexachlorobutadiene	15.01	225	161920	45.913	ug/l	100
95) Naphthalene	15.13	128	1089819	50.976	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	351152	49.918	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

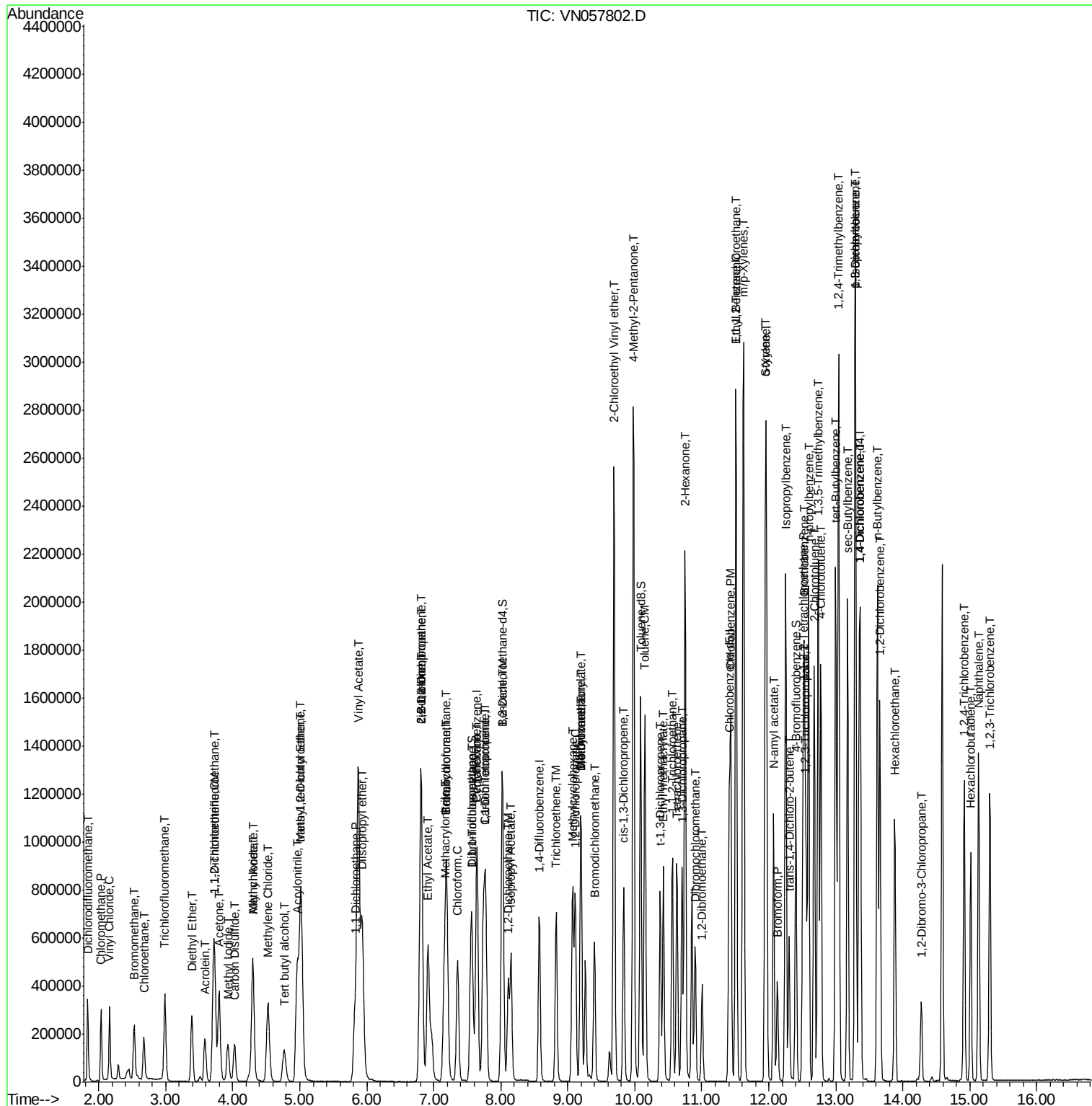
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
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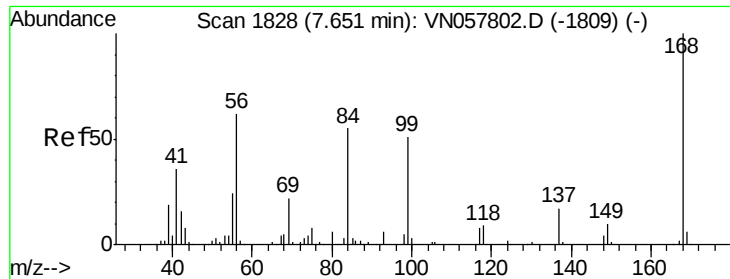
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 365297

Ion Ratio Lower Upper

168 100

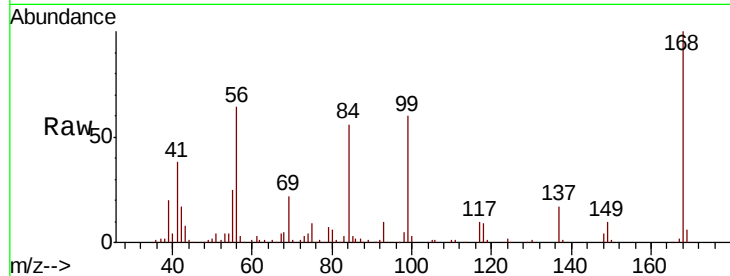
99 60.0 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

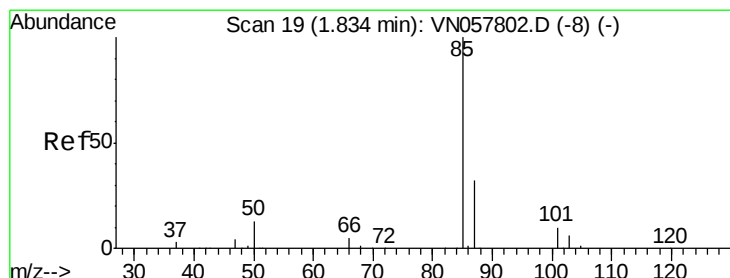
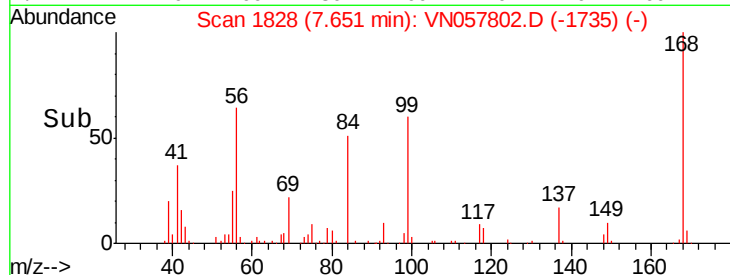
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.472 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057802.D

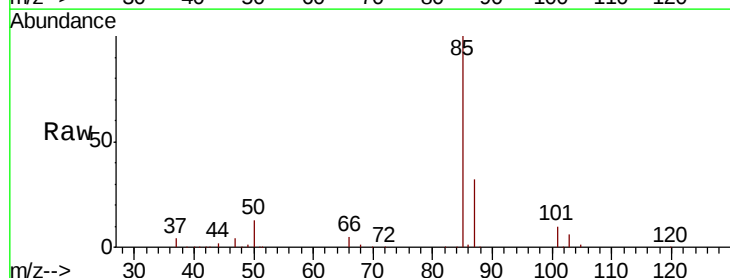
Acq: 9 Sep 2019 15:48

Tgt Ion: 85 Resp: 252566

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

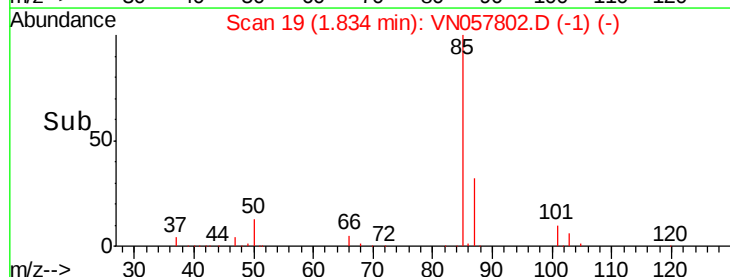
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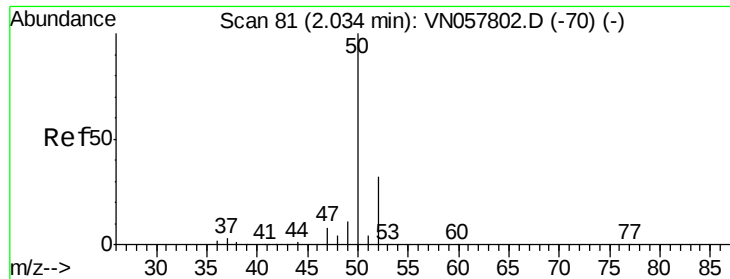
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 24.128 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 236897

Ion Ratio Lower Upper

50 100

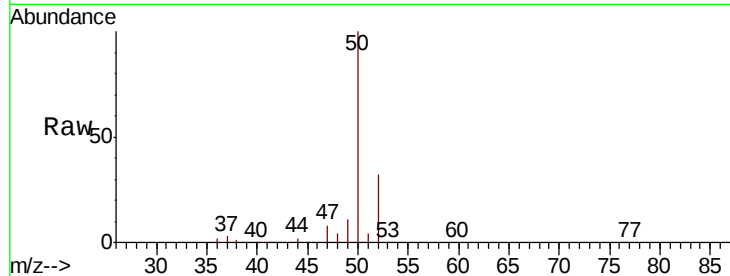
52 31.9 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

200000

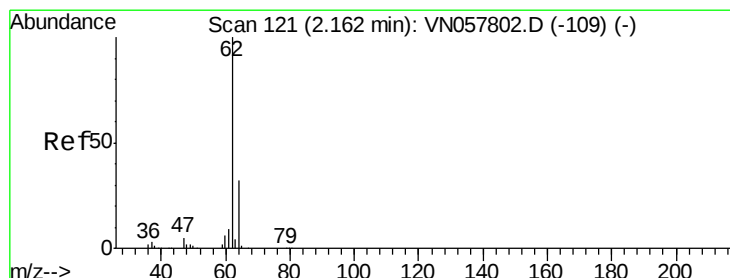
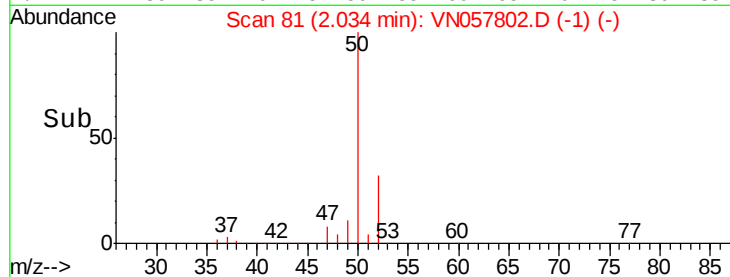
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 51.216 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057802.D

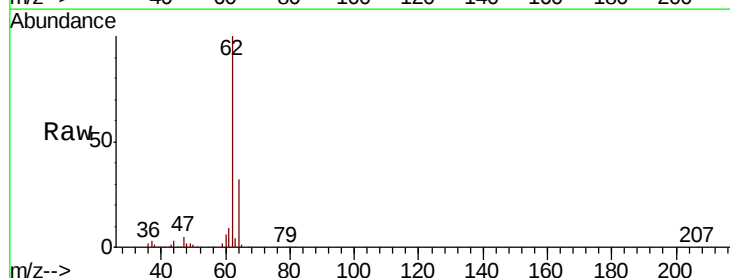
Acq: 9 Sep 2019 15:48

Tgt Ion: 62 Resp: 259222

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

200000

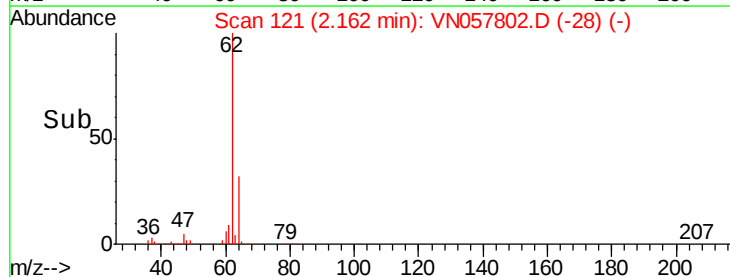
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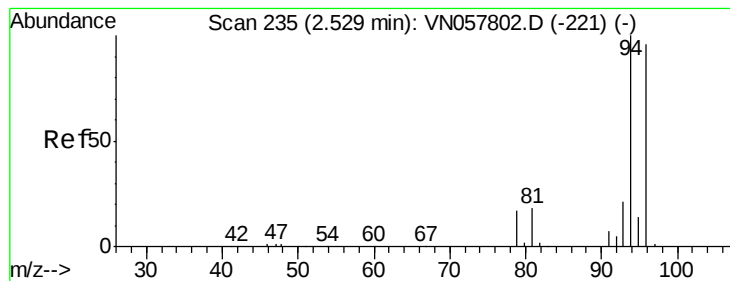
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 62.281 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 154061

Ion Ratio Lower Upper

94 100

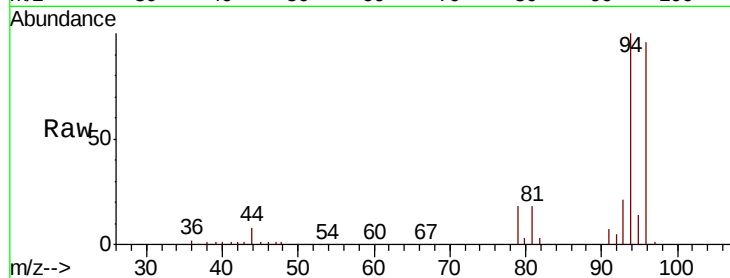
96 96.2 77.0 115.4

Manual Integrations

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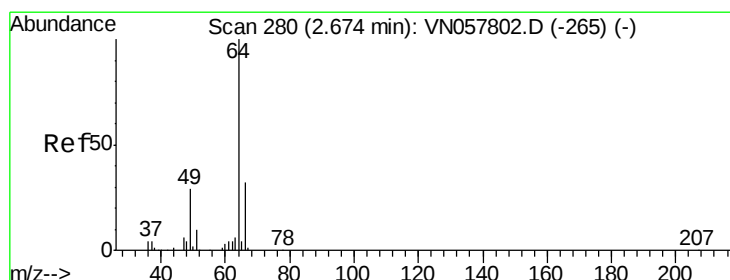
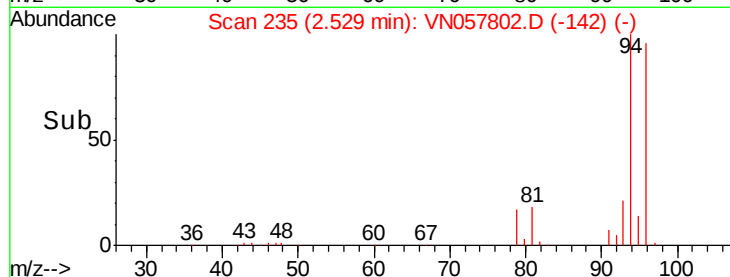
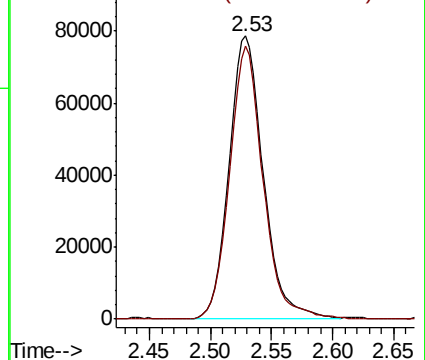
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.659 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057802.D

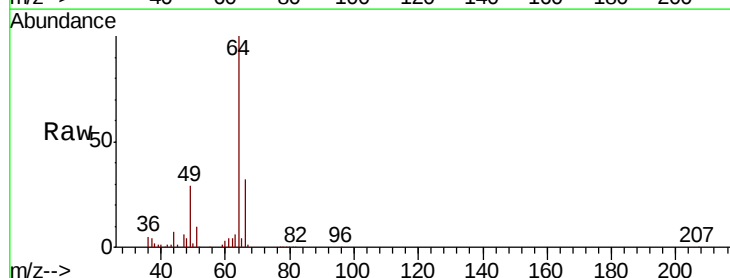
Acq: 9 Sep 2019 15:48

Tgt Ion: 64 Resp: 162232

Ion Ratio Lower Upper

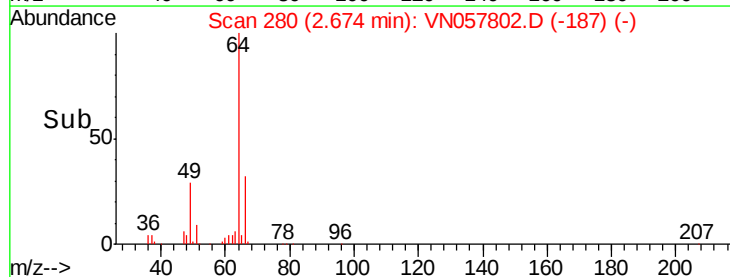
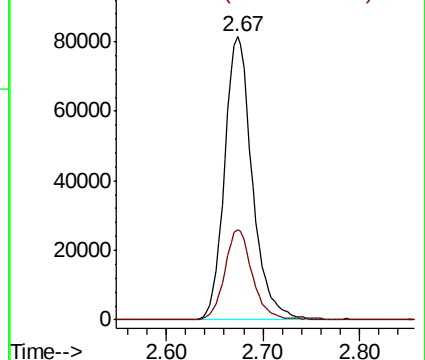
64 100

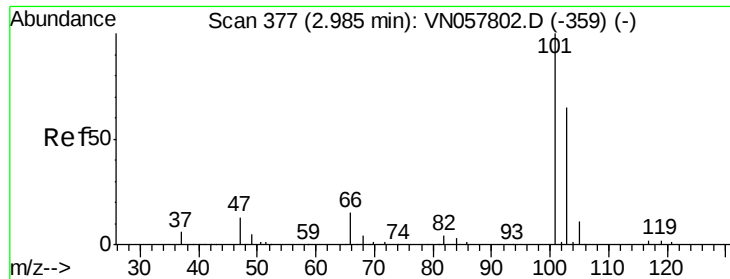
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

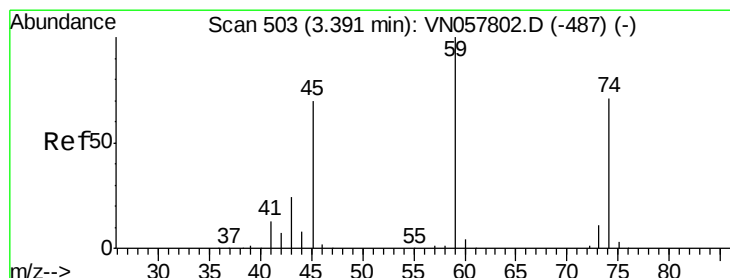
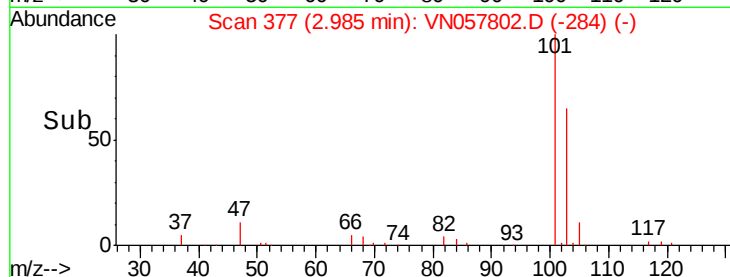
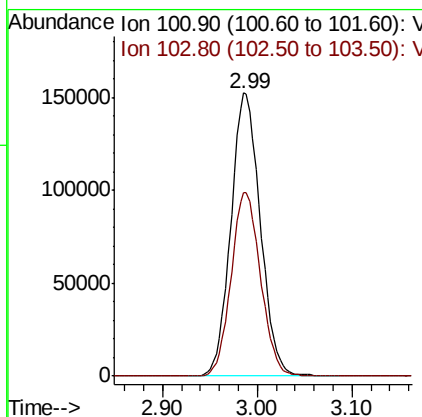
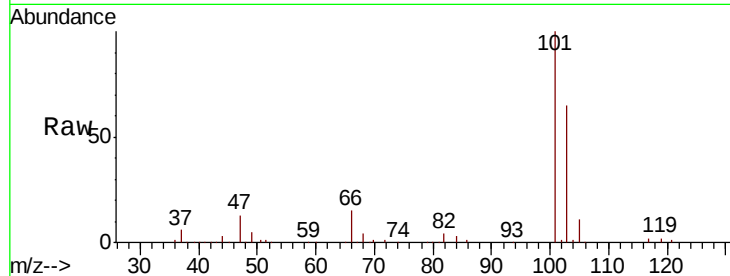
Trichlorofluoromethane
Concen: 42.140 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.9	77.9

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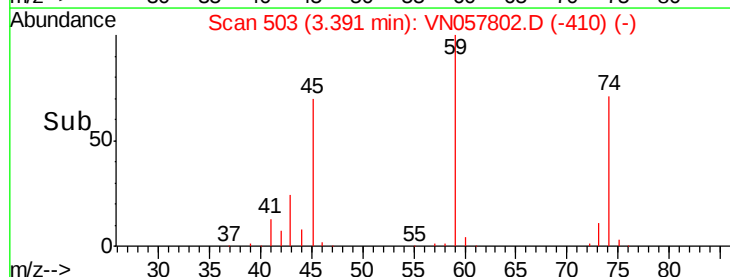
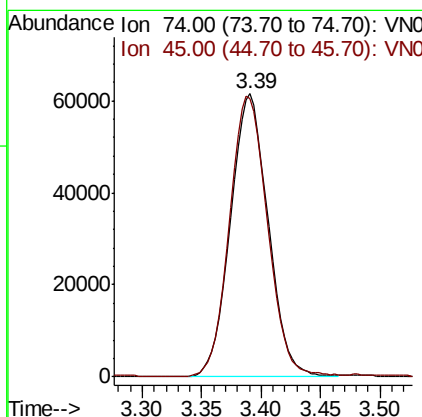
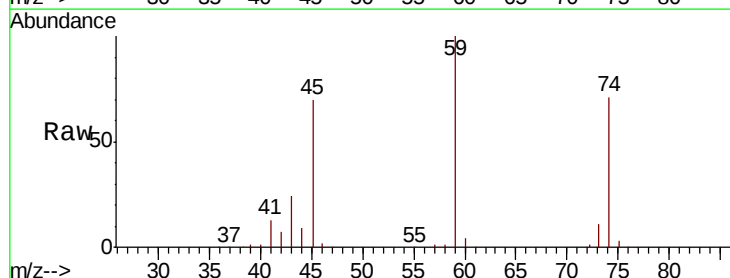
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9/10/2019 4:30:05 PM

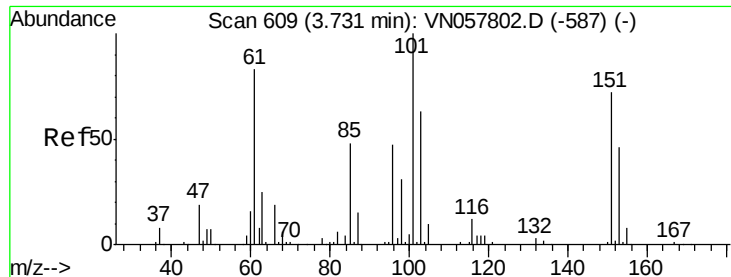


#8

Diethyl Ether
Concen: 43.264 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057802.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.229 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

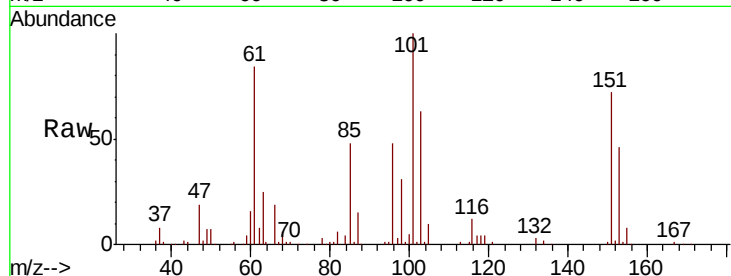
ClientSampleId :

VSTDICCC050

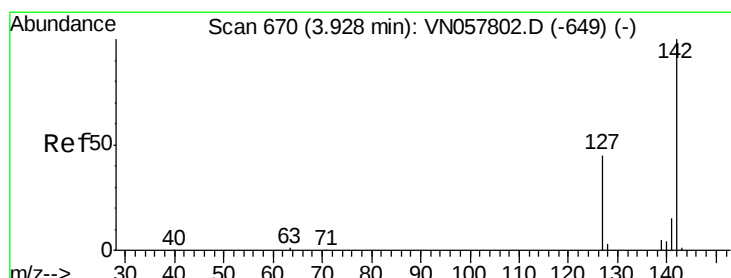
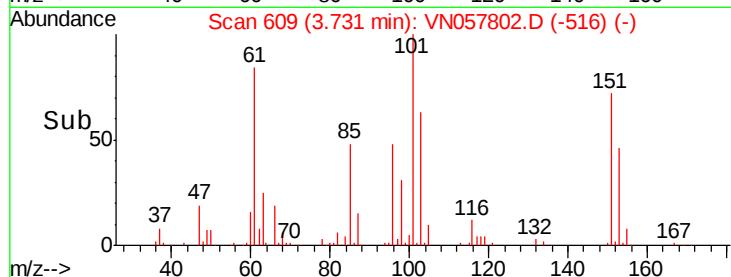
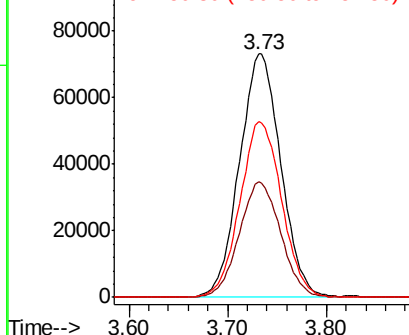
Tot Ion:	101	Resp:	212116
Ion Ratio	Lower	Upper	
101	100		
85	47.6	38.1	57.1
151	73.0	58.4	87.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.636 ug/l

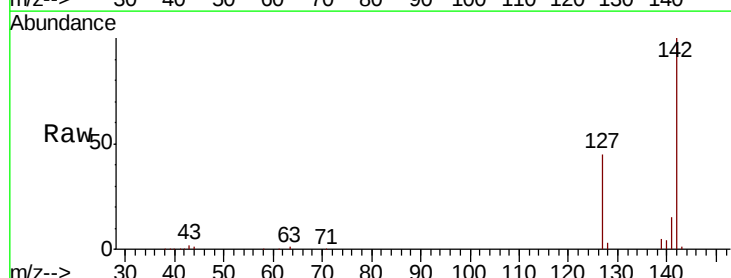
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

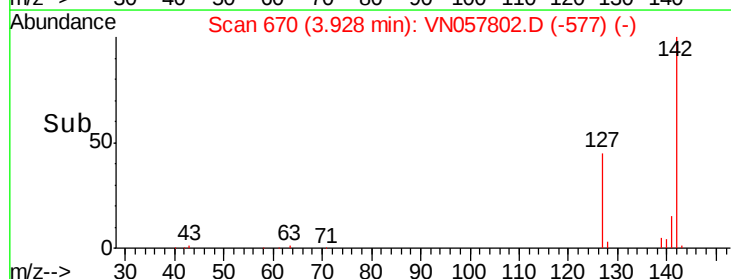
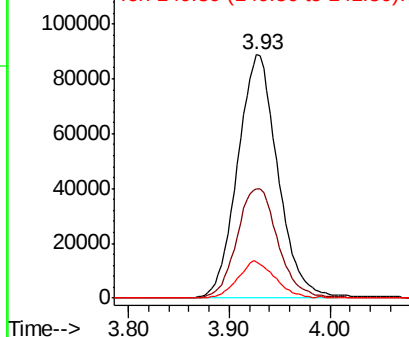
Lab File: VN057802.D

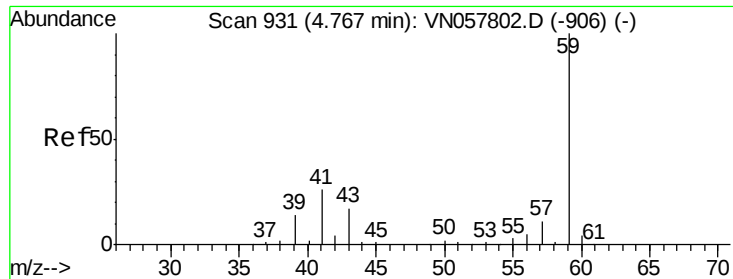
Acq: 9 Sep 2019 15:48

Tgt Ion:	142	Resp:	244933
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.7	55.1
141	14.2	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





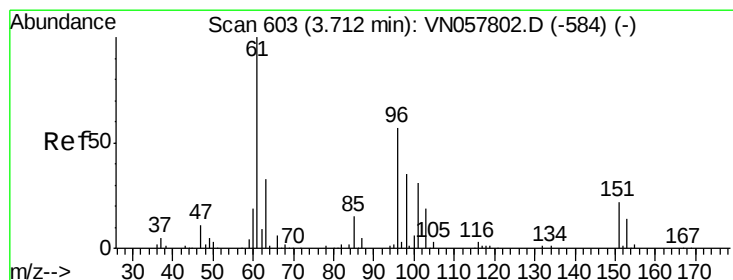
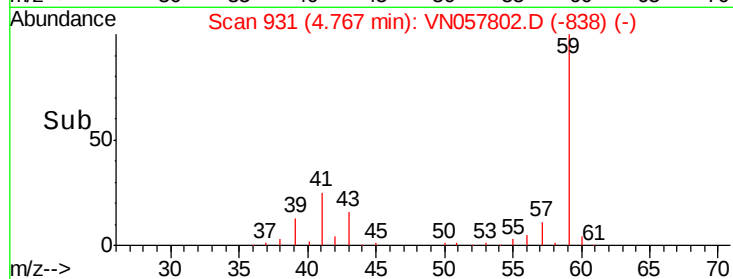
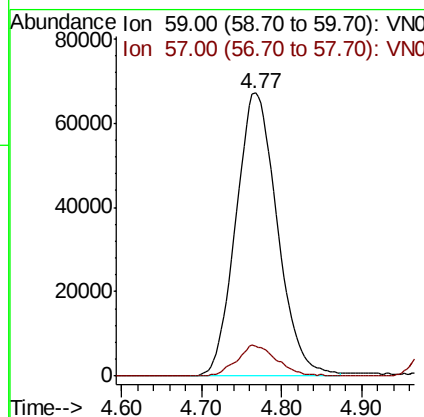
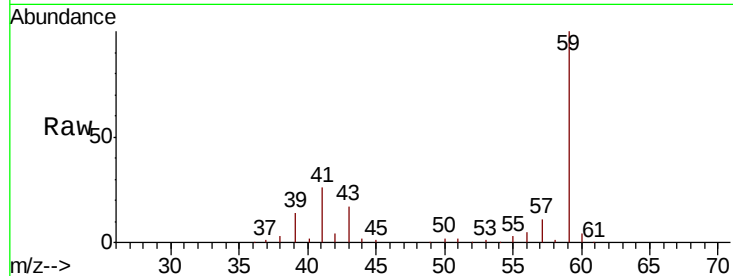
#11
Tert butyl alcohol
Concen: 235.814 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 236673
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

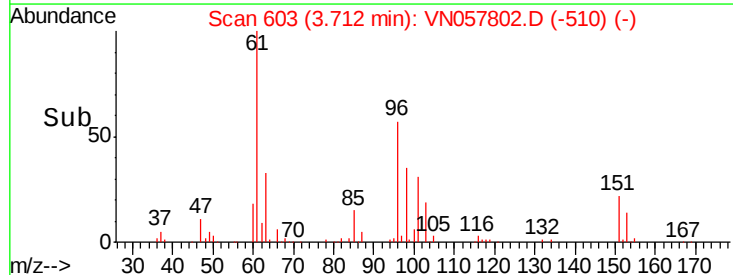
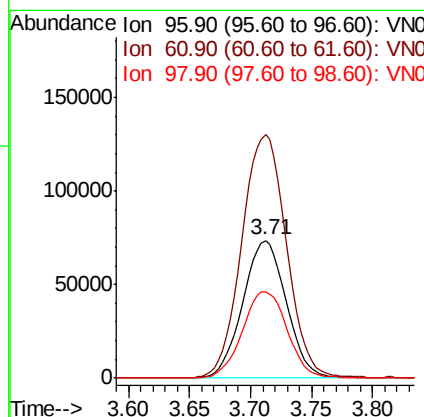
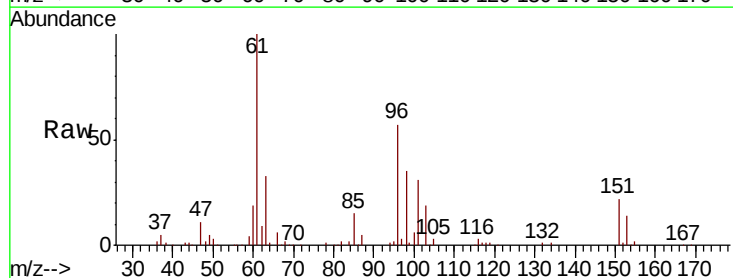
Manual Integrations
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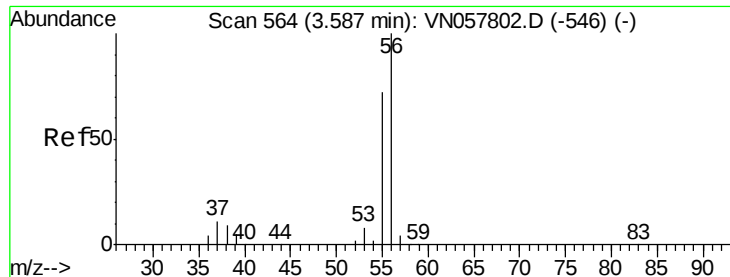
MMDadoda
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#12
1,1-Dichloroethene
Concen: 41.409 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion: 96 Resp: 181788
Ion Ratio Lower Upper
96 100
61 176.5 141.2 211.8
98 62.4 49.9 74.9





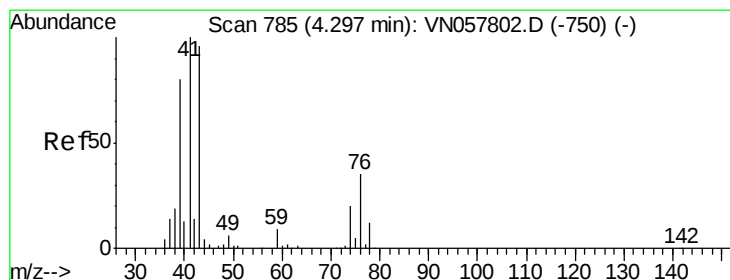
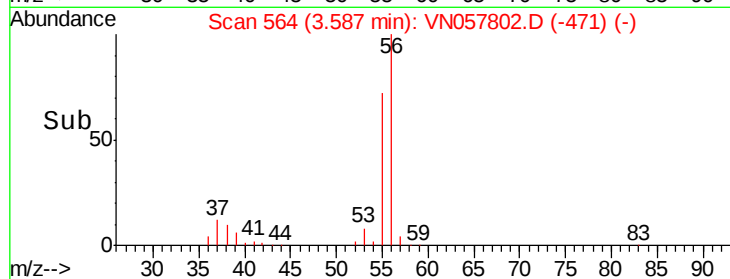
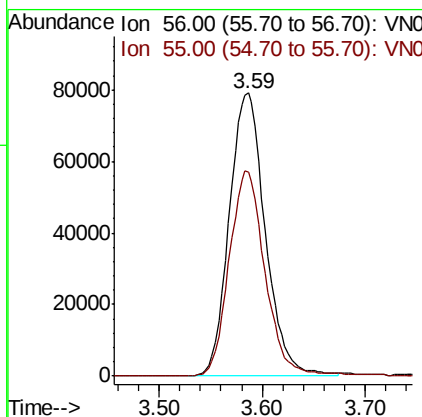
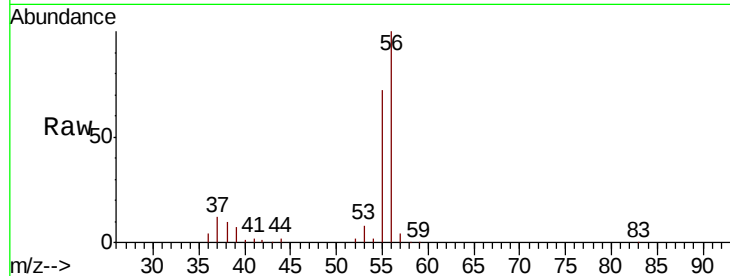
#13
Acrolein
Concen: 356.343 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.6	57.3	85.9	

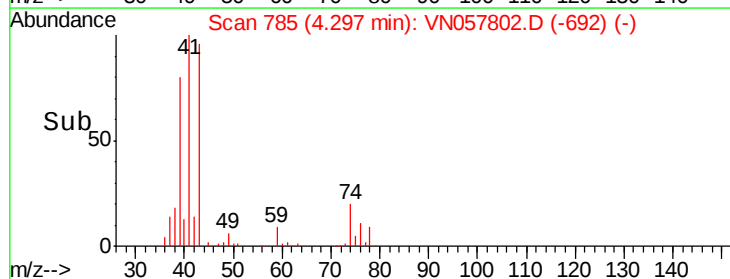
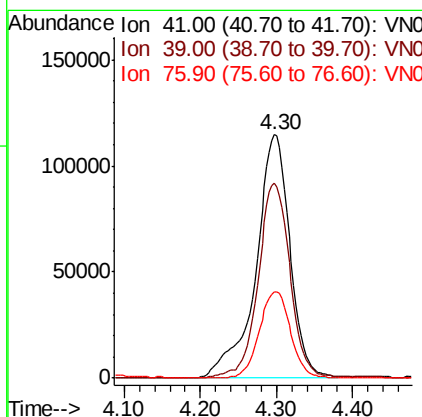
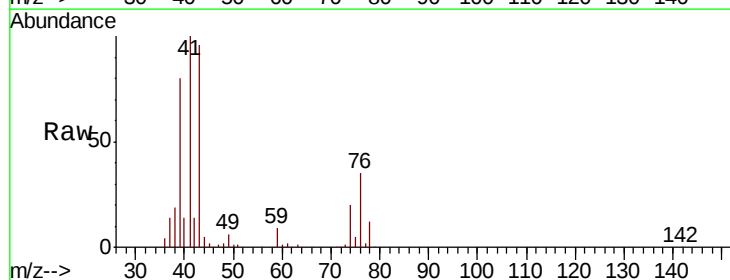
Manual Integrations
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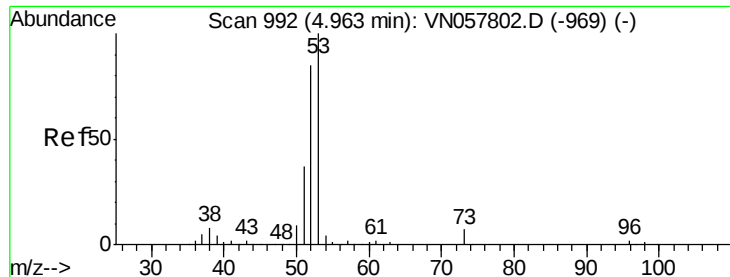
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#14
Allyl chloride
Concen: 36.478 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	74.3	59.4	89.2	
76	32.5	26.0	39.0	





#15

Acrylonitrile

Concen: 239.464 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

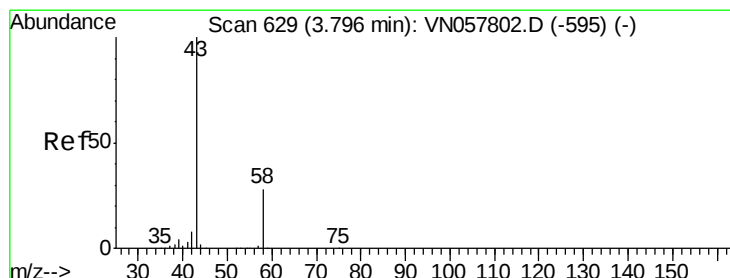
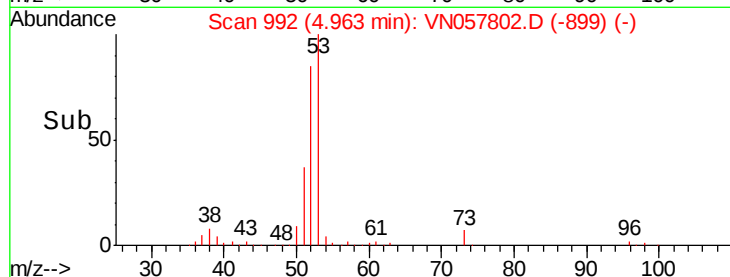
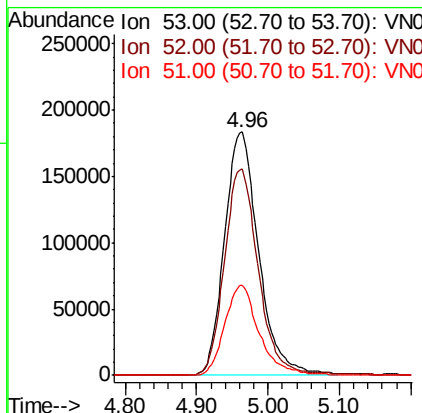
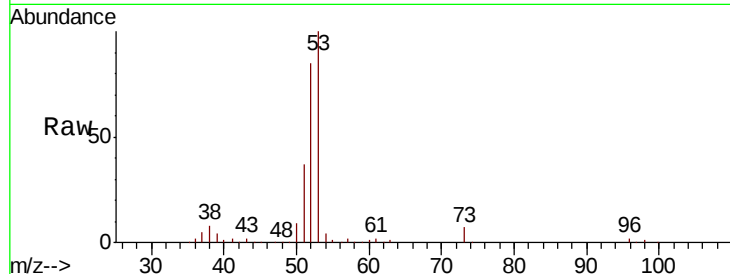
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	613851
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 228.480 ug/l

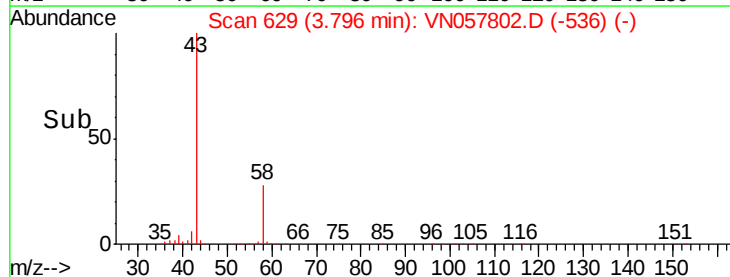
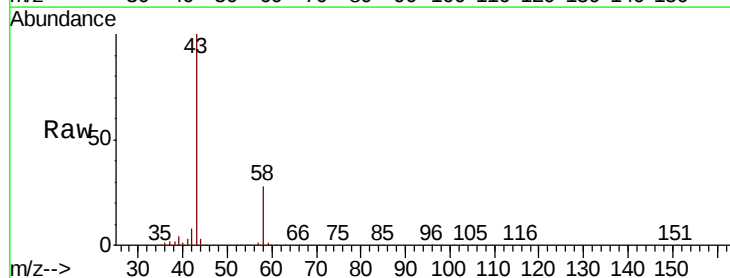
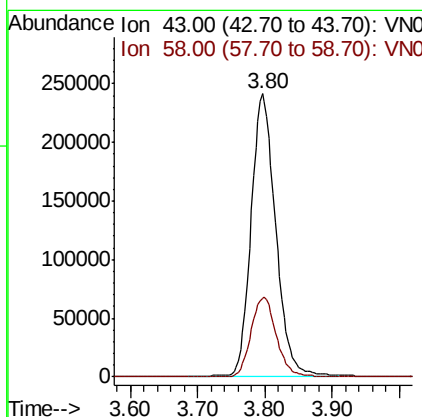
RT: 3.80 min Scan# 629

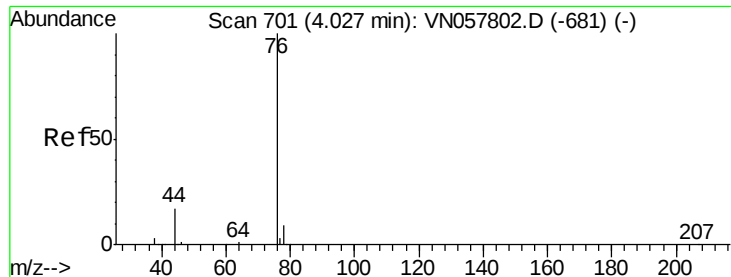
Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Tgt Ion:	43	Resp:	617416
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.2	33.2





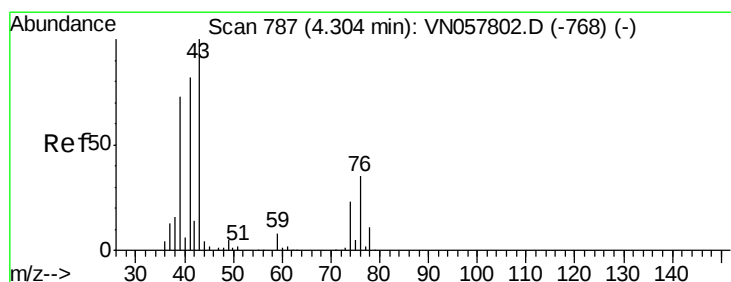
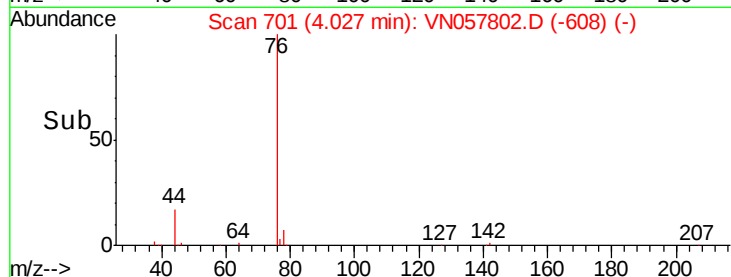
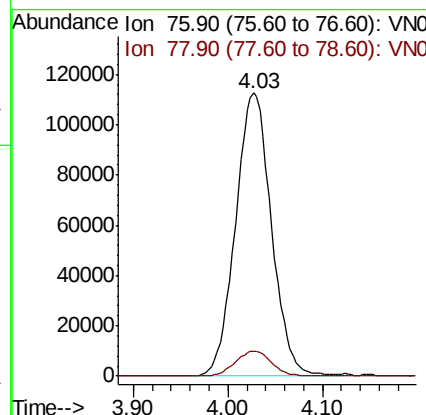
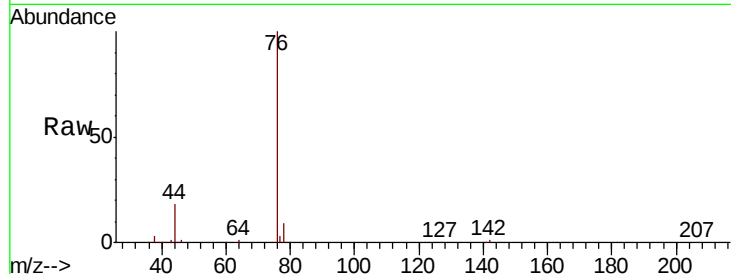
#17
Carbon Disulfide
Concen: 31.228 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

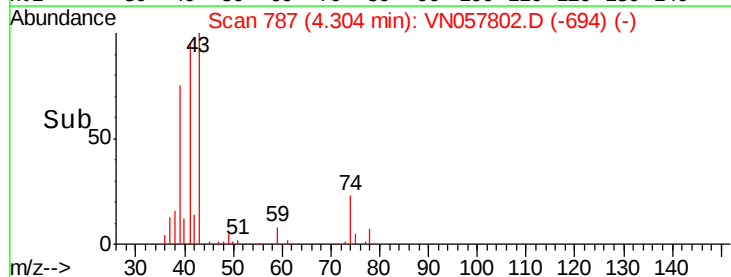
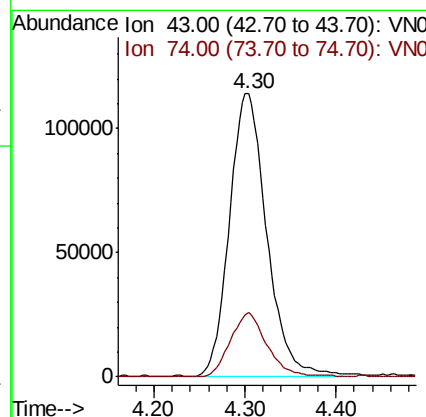
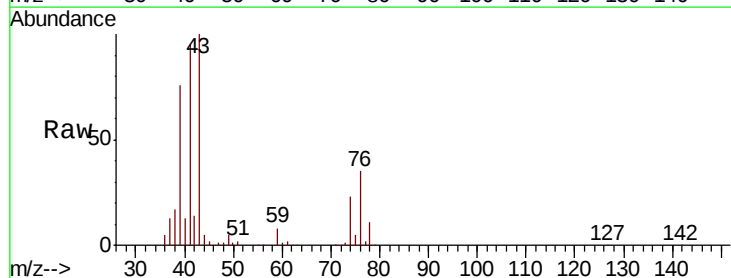
Manual Integrations
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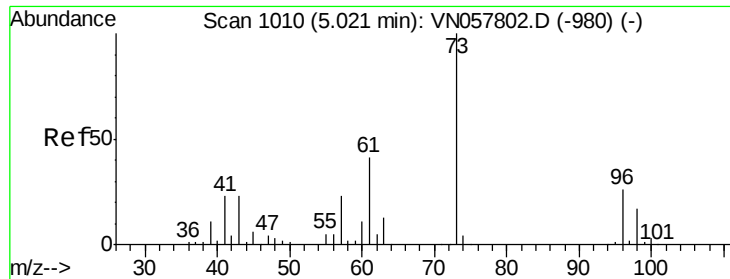
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#18
Methyl Acetate
Concen: 43.854 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.9	26.9





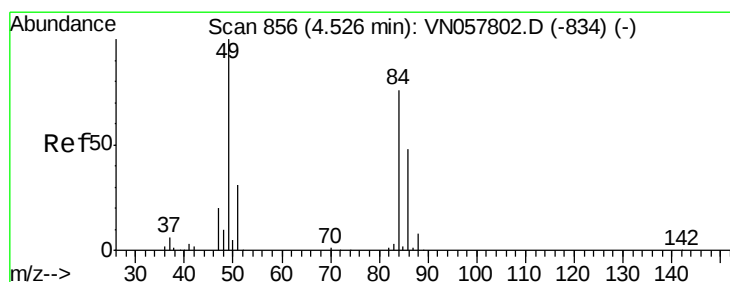
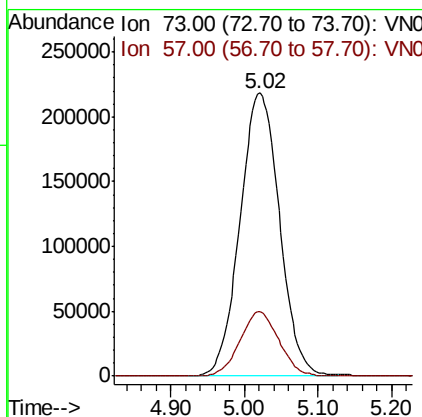
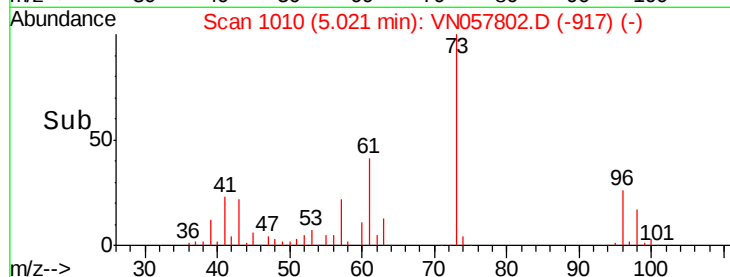
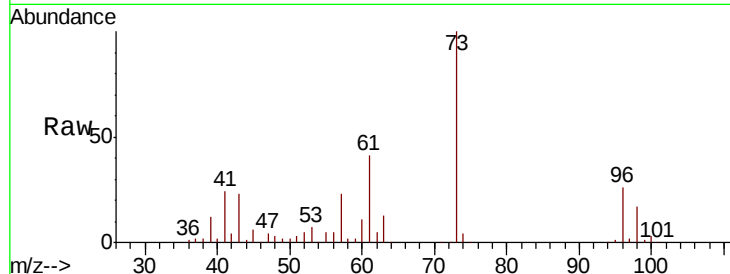
#19
Methvl tert-butvl Ether
Concen: 43.953 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 815939
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.2

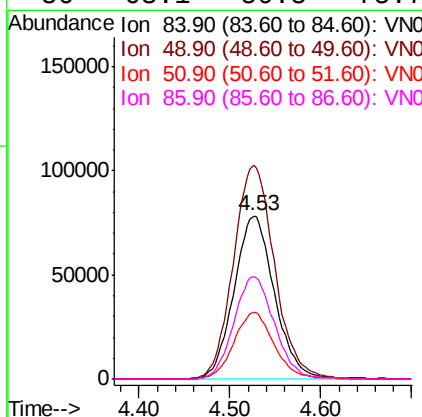
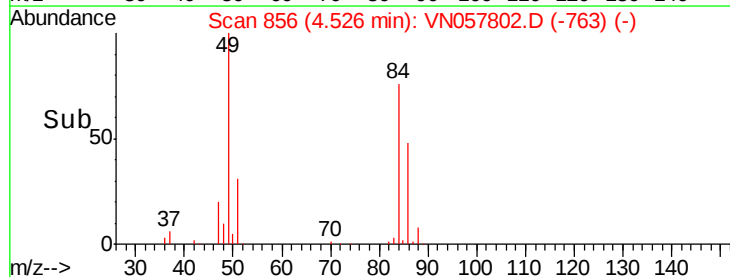
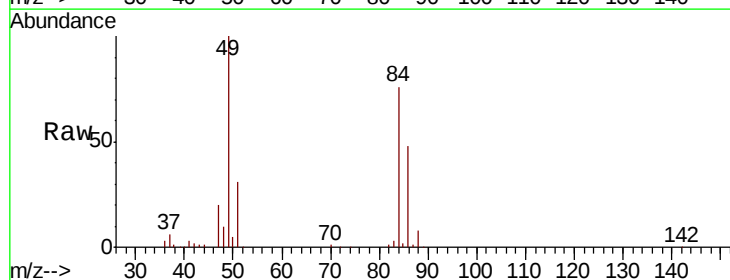
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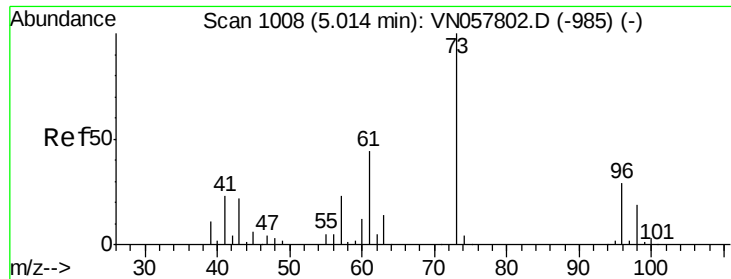
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#20
Methylene Chloride
Concen: 41.926 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion: 84 Resp: 241820
Ion Ratio Lower Upper
84 100
49 131.0 104.8 157.2
51 41.2 33.0 49.4
86 63.1 50.5 75.7





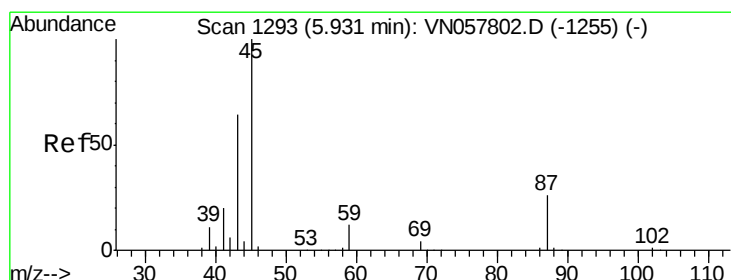
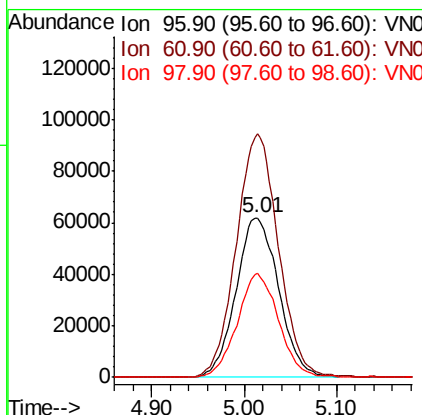
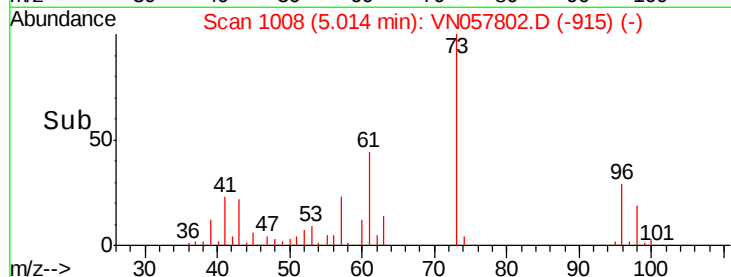
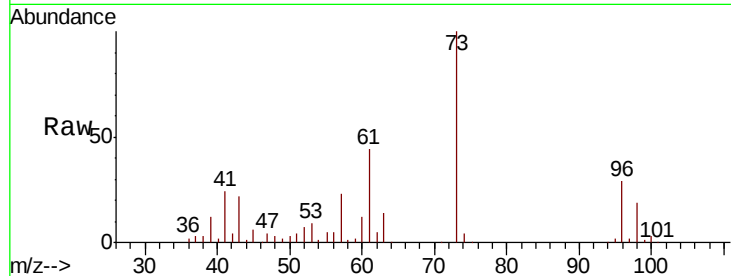
#21
trans-1,2-Dichloroethene
Concen: 42.751 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.4	121.9	182.9
98	65.3	52.2	78.4

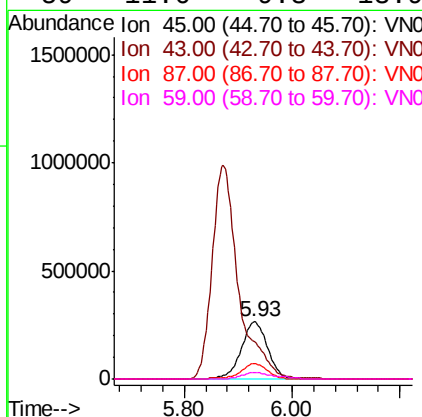
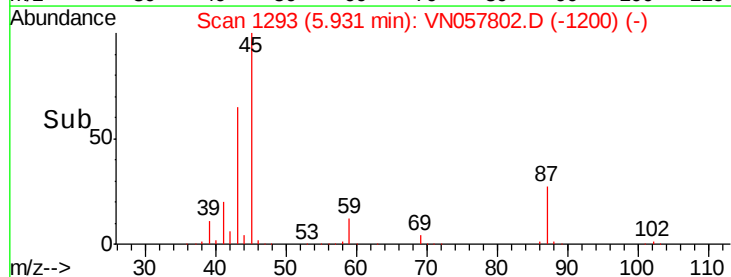
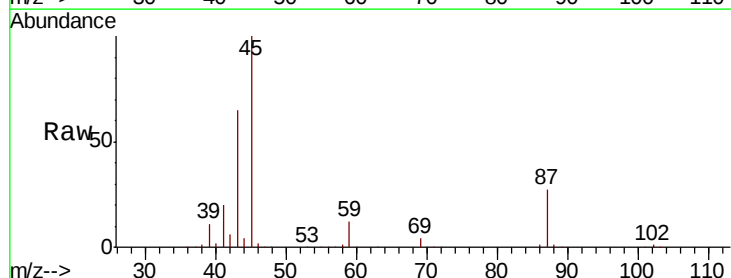
Manual Integrations
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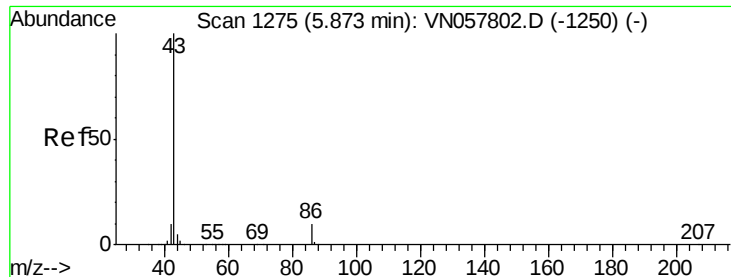
MMDadoda
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#22
Diisopropyl ether
Concen: 42.493 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	51.4	77.2
87	26.6	21.3	31.9
59	11.6	9.3	13.9





#23

Vinyl Acetate

Concen: 200.044 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3371471

Ion Ratio Lower Upper

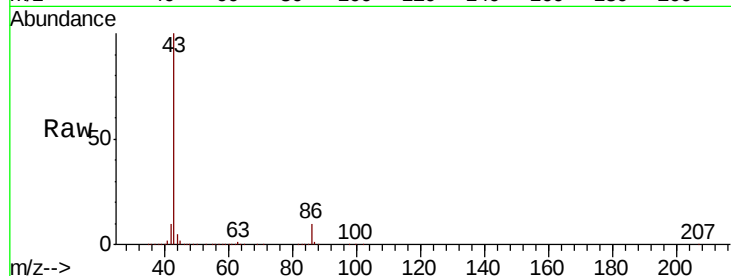
43 100

86 9.6 7.7 11.5

Manual Integrations
APPROVED

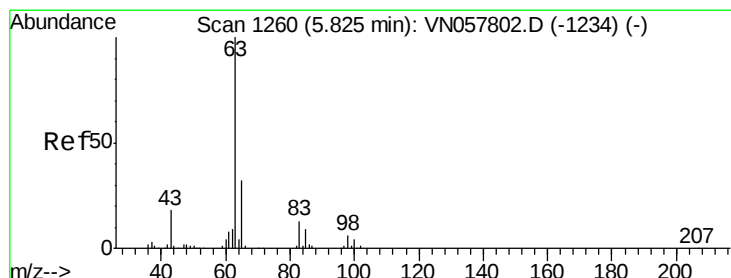
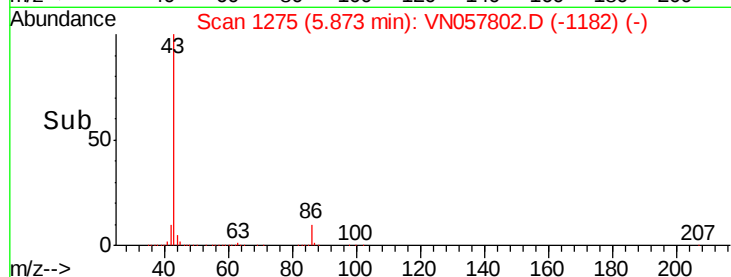
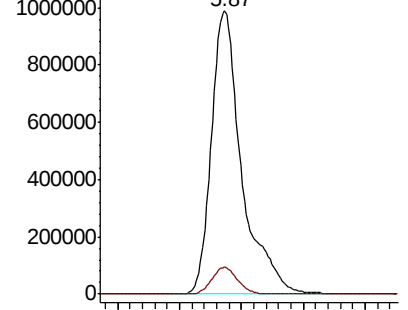
MMDadoda

9/10/2019 4:30:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN057802.D (-1250) (-)



#24

1,1-Dichloroethane

Concen: 43.767 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

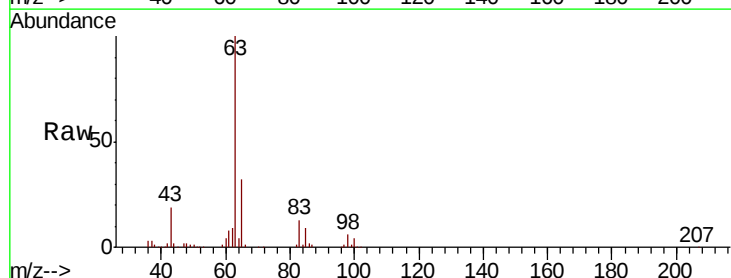
Tgt Ion: 63 Resp: 480035

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

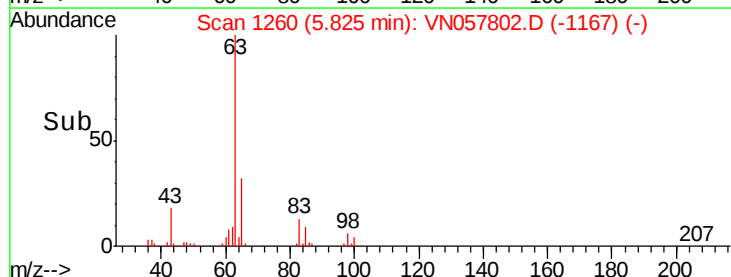
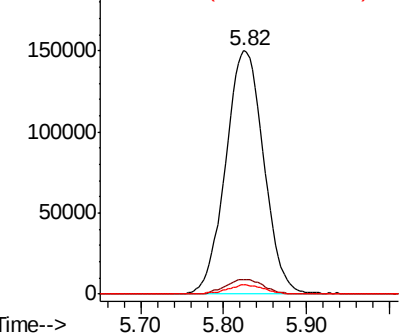
100 3.9 2.0 5.8

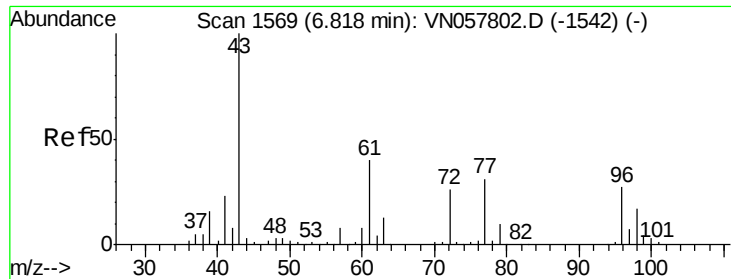


Abundance Ion 62.90 (62.60 to 63.60): VN057802.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN057802.D (-1234) (-)





#25

2-Butanone

Concen: 233.411 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 900487

Ion Ratio Lower Upper

43 100

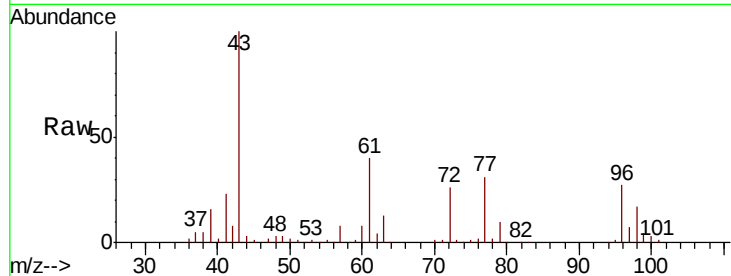
72 25.7 20.6 30.8

Manual Integrations

APPROVED

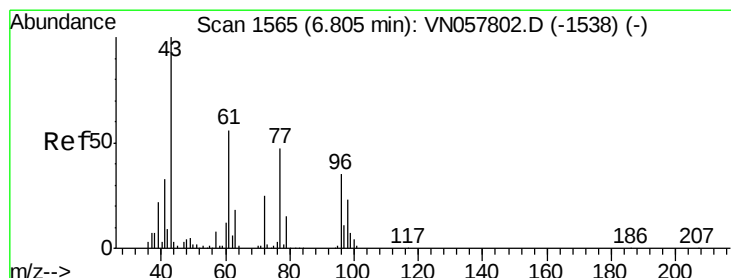
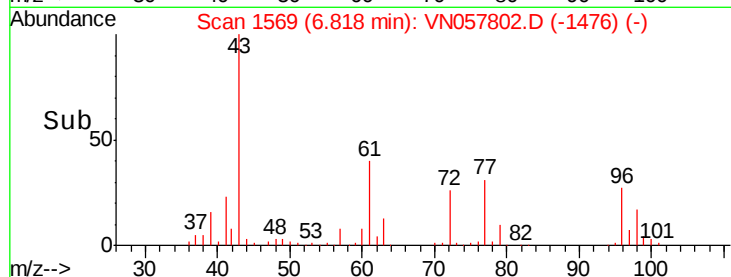
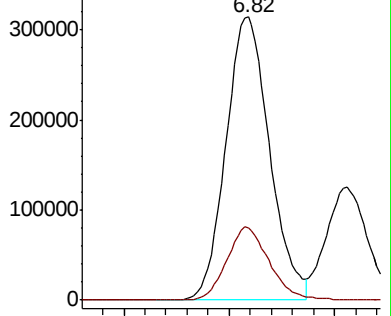
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 43.190 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057802.D

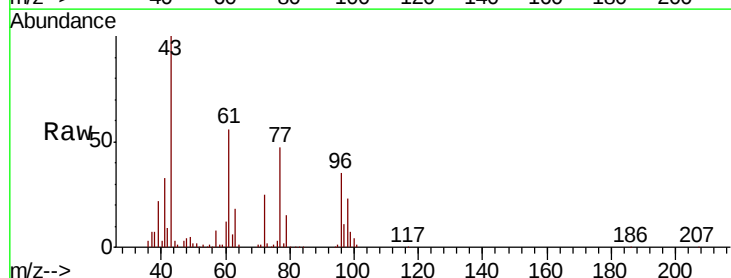
Acq: 9 Sep 2019 15:48

Tgt Ion: 77 Resp: 391026

Ion Ratio Lower Upper

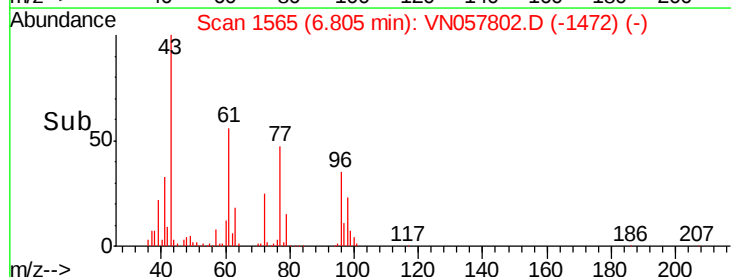
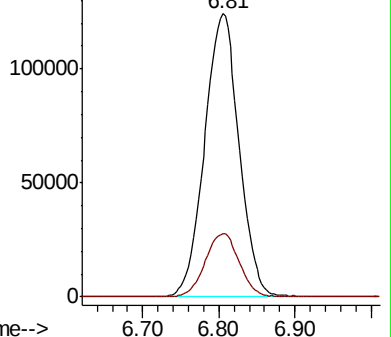
77 100

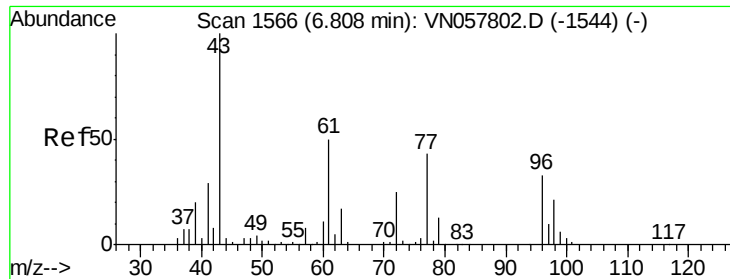
97 22.2 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 46.416 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

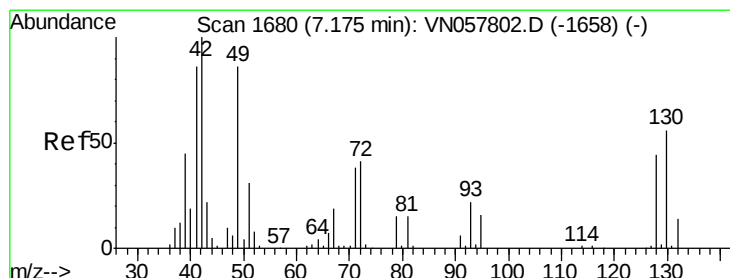
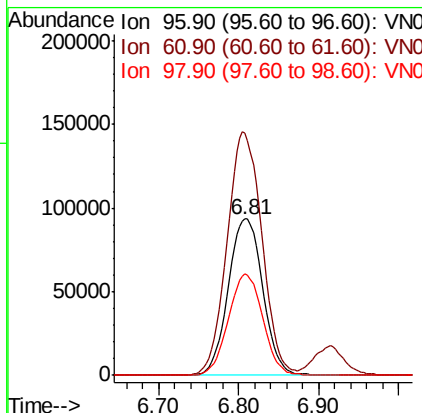
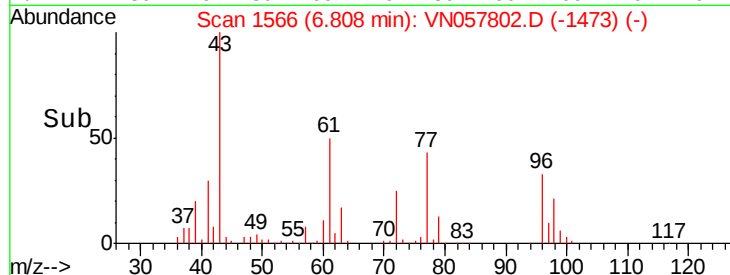
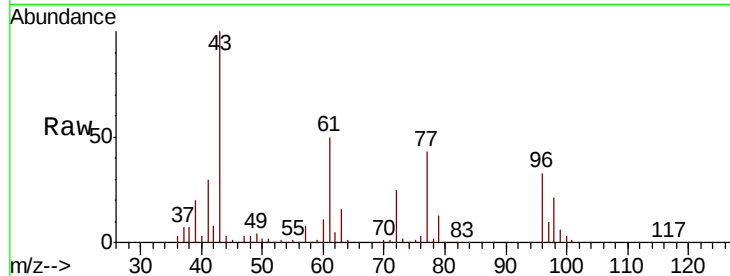
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	274065
Ion	Ratio	Lower	Upper
96	100		
61	157.0	0.0	314.0
98	64.3	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 42.282 ug/l

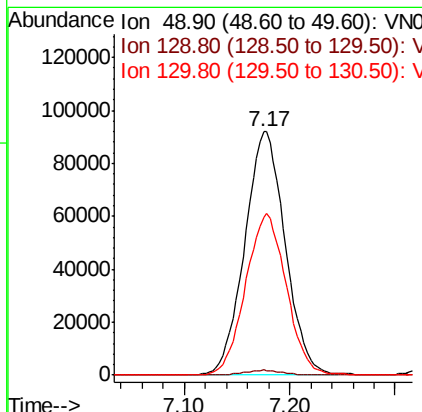
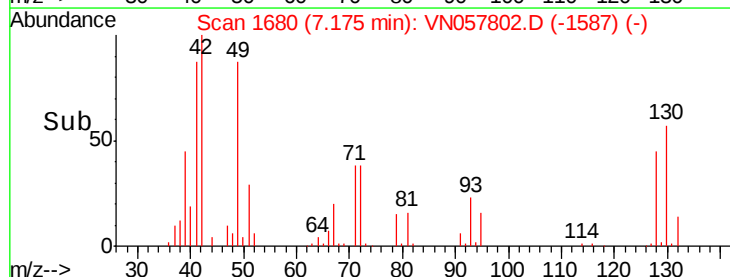
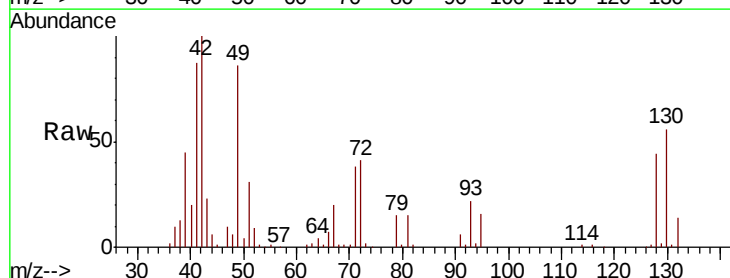
RT: 7.17 min Scan# 1680

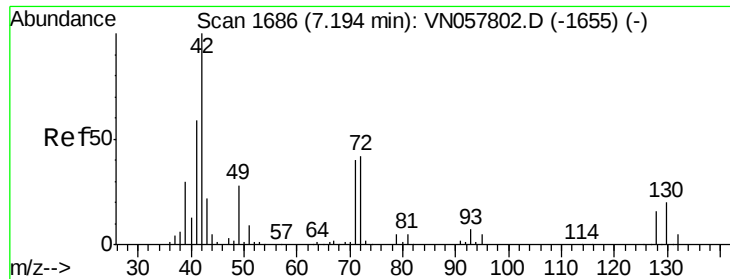
Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Tgt Ion:	49	Resp:	245344
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	66.3	53.0	79.6





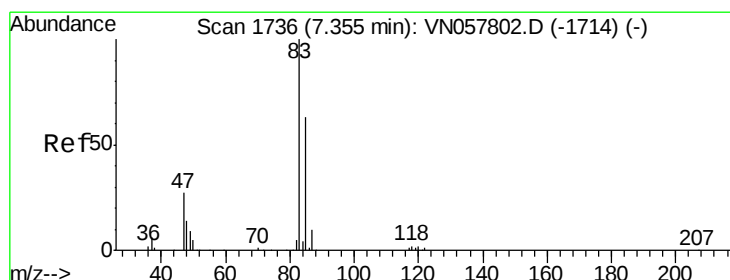
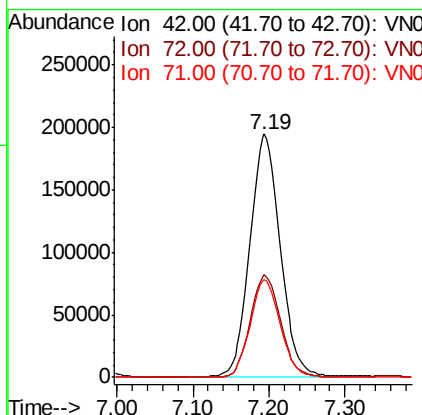
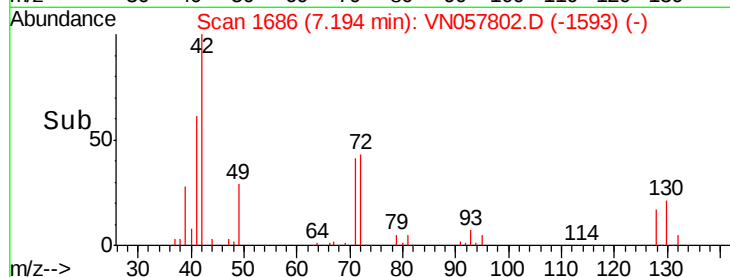
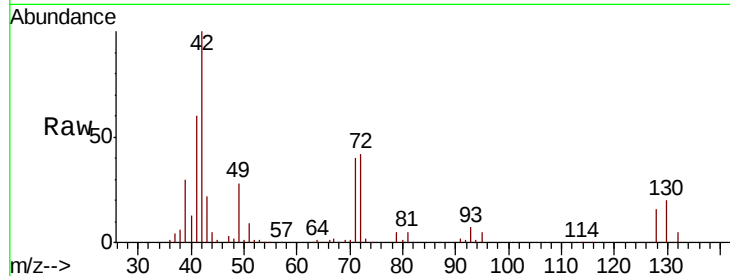
#29
Tetrahydrofuran
Concen: 219.488 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	39.9	31.9	47.9

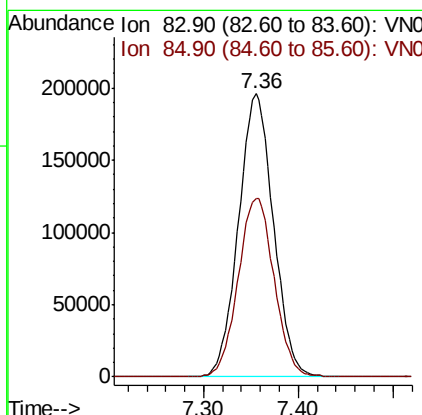
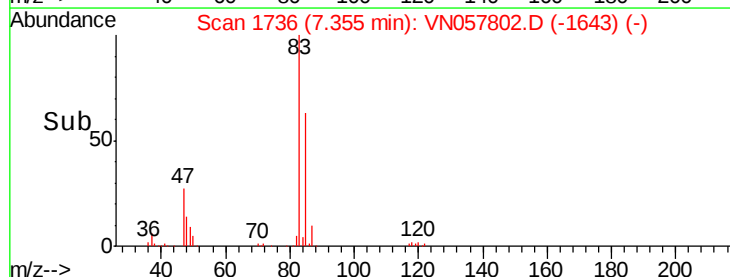
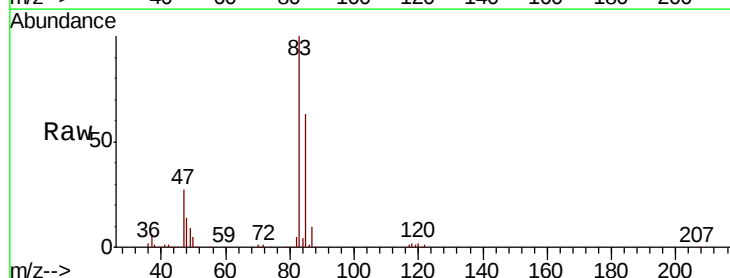
Manual Integrations
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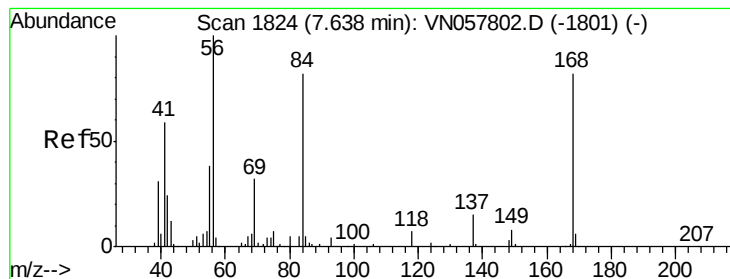
MMDadoda
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#30
Chloroform
Concen: 43.953 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8





#31

Cyclohexane

Concen: 36.445 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

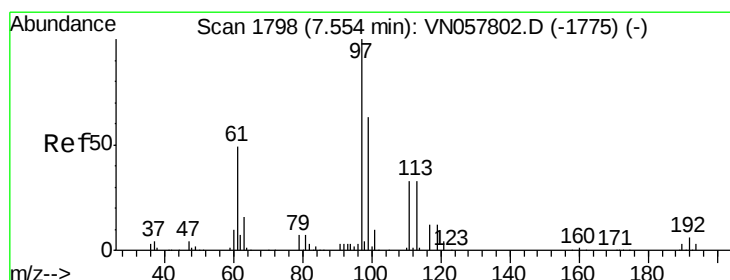
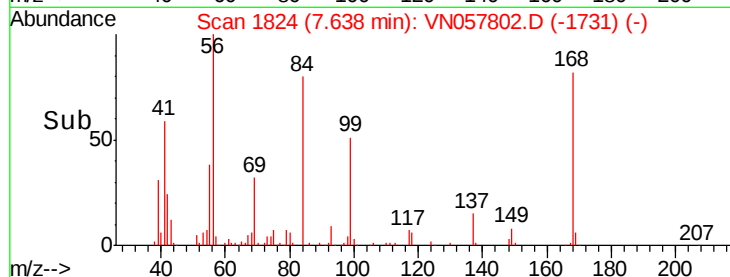
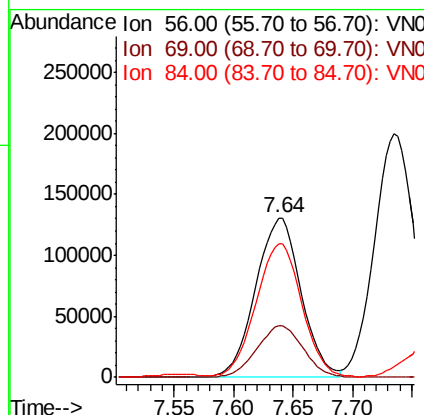
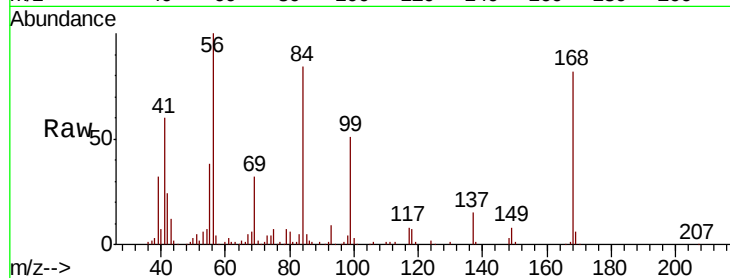
ClientSampleID :

VSTDICCC050

Tot Ion:	56	Resp:	345504
Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.9	38.9
84	82.0	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 42.835 ug/l

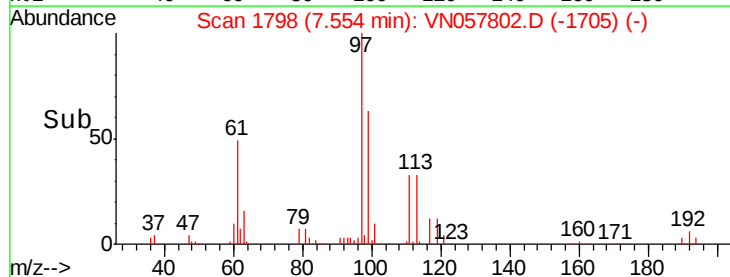
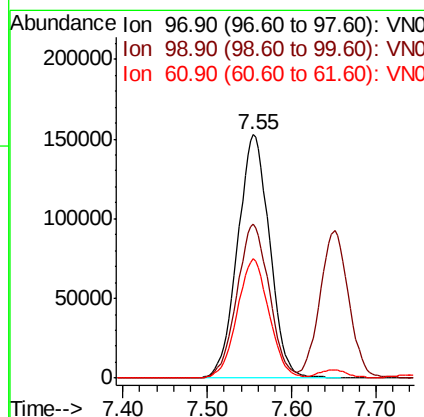
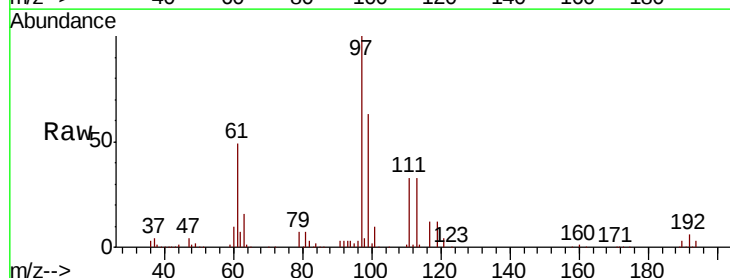
RT: 7.55 min Scan# 1798

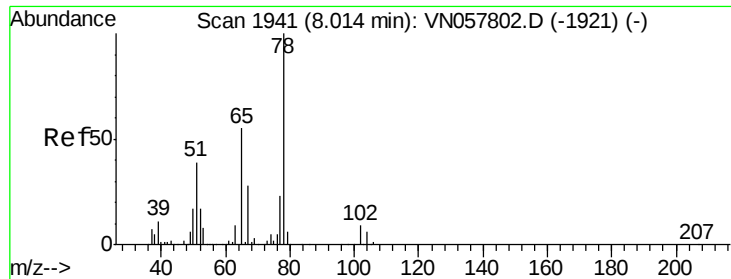
Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Tgt Ion:	97	Resp:	404299
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	48.8	39.0	58.6





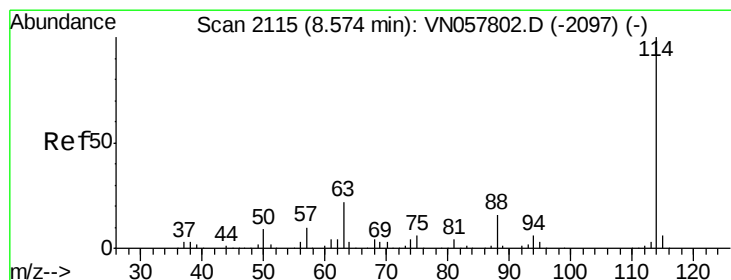
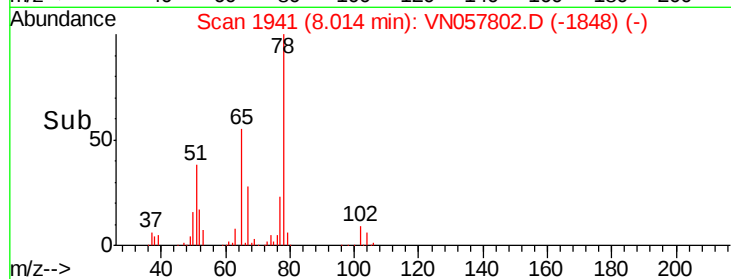
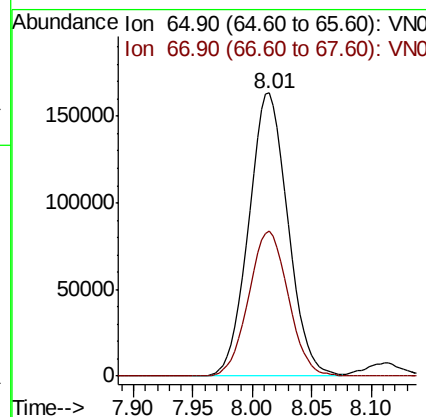
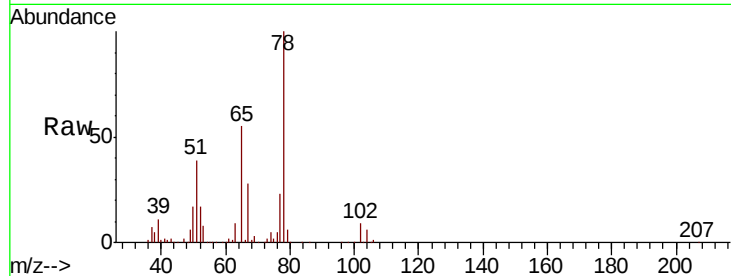
#33
 1,2-Dichloroethane-d4
 Concen: 43.616 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.0

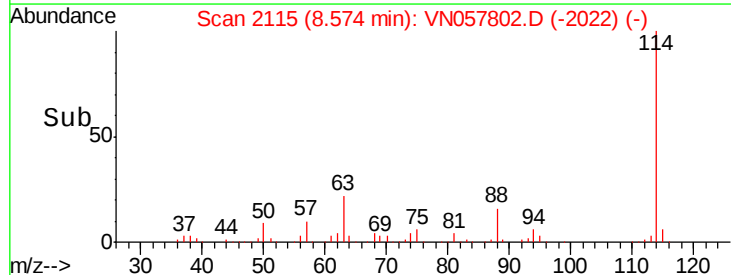
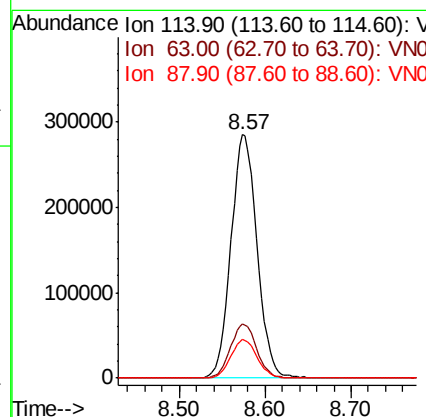
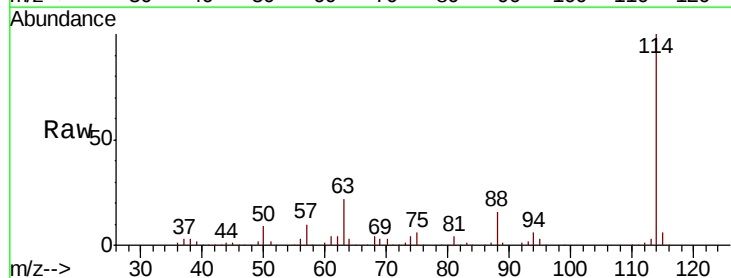
Manual Integrations
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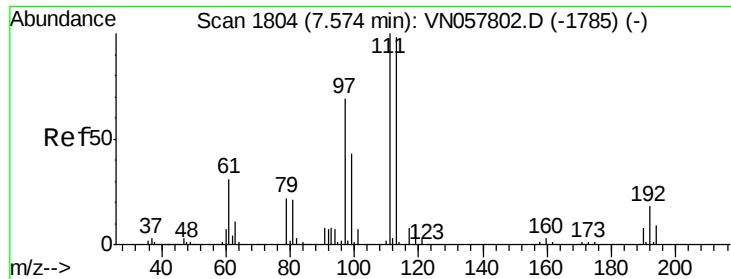
MMDadoda
 9/10/2019 4:30:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	15.7	0.0	31.4





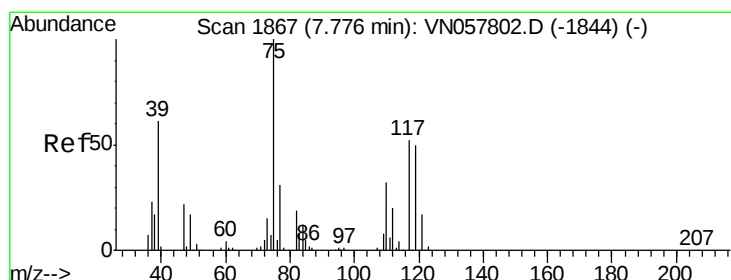
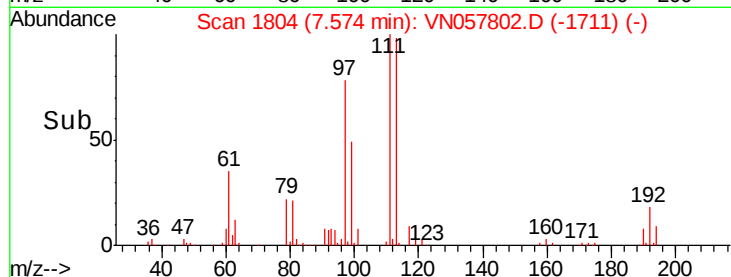
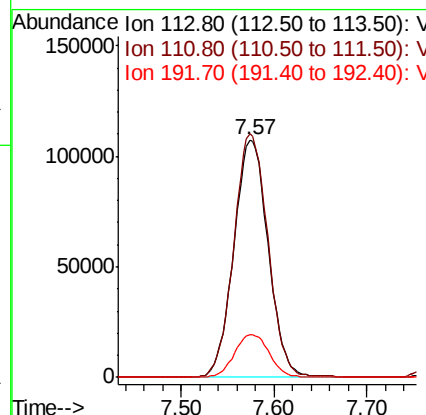
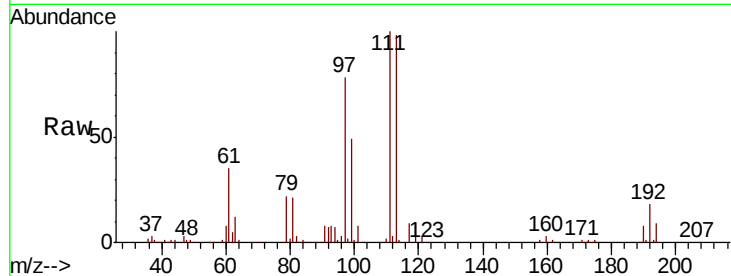
#35
 Dibromofluoromethane
 Concen: 50.702 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	275791		
111	101.6	81.3	121.9	
192	18.3	14.6	22.0	

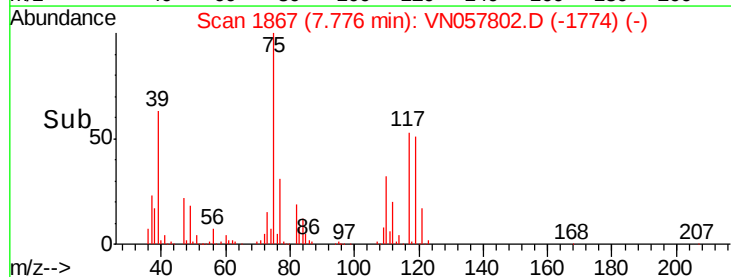
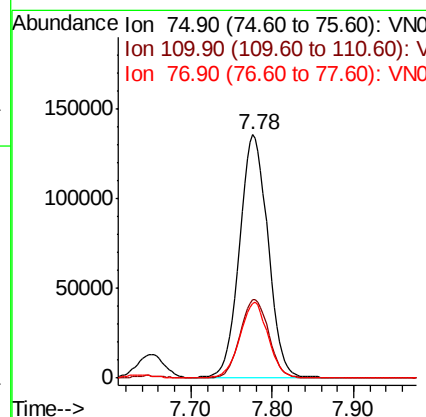
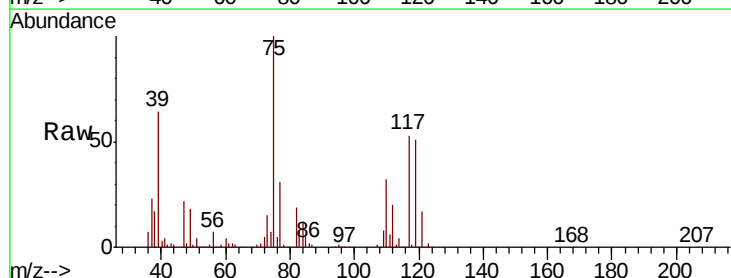
Manual Integrations
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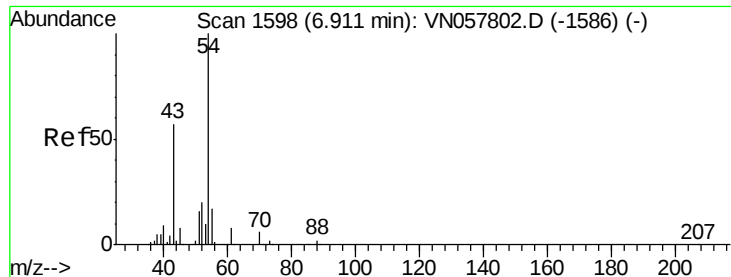
MMDadoda
 9/10/2019 4:30:05 PM



#36
 1,1-Dichloropropene
 Concen: 42.159 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	326605		
110	32.6	16.3	48.9	
77	31.2	25.0	37.4	





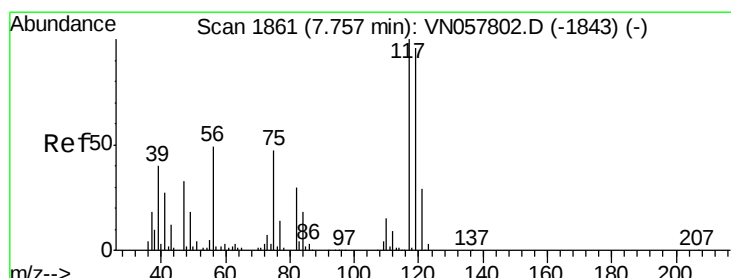
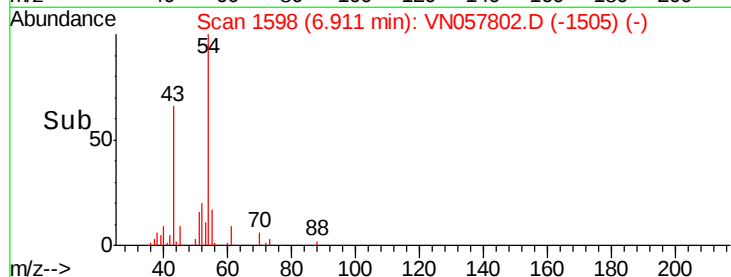
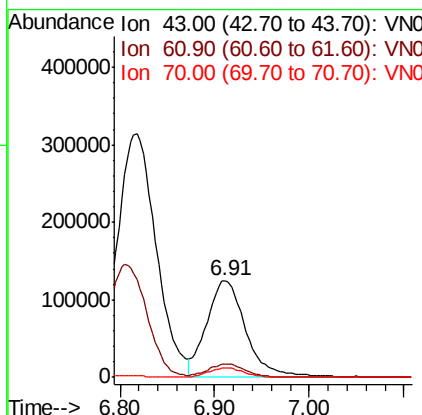
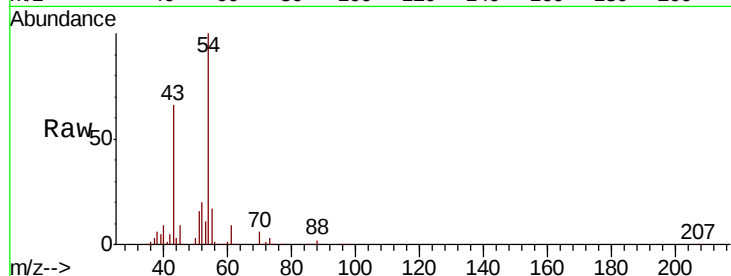
#37
Ethyl Acetate
Concen: 45.704 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.2	7.4	11.0

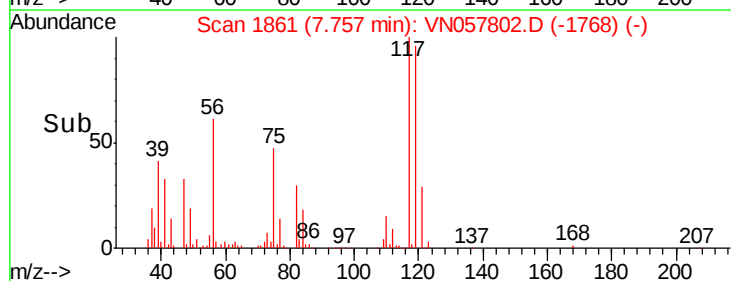
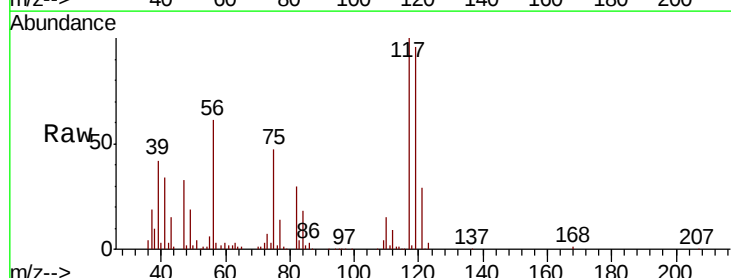
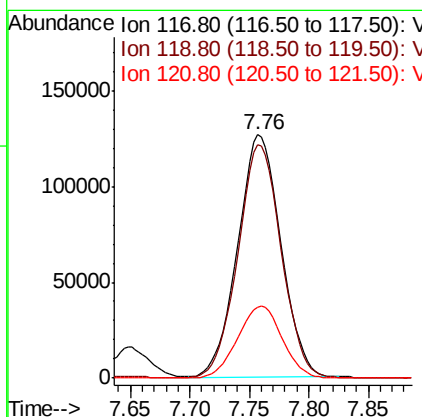
Manual Integrations
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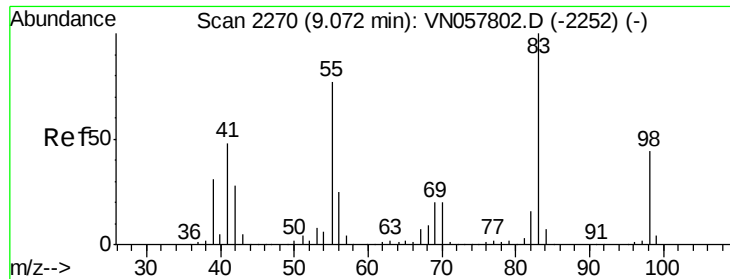
MMDadoda
9/10/2019 4:30:05 PM



#38
Carbon Tetrachloride
Concen: 43.307 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	29.3	23.4	35.2





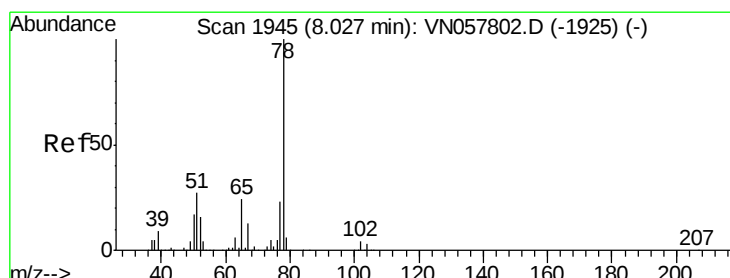
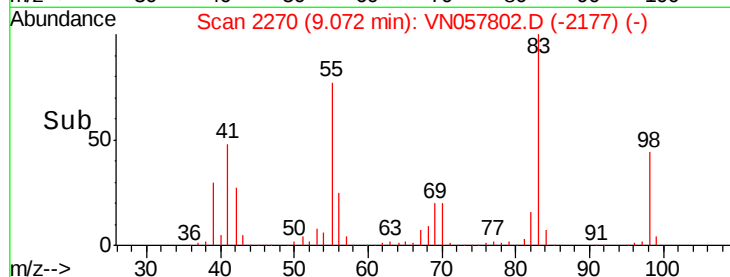
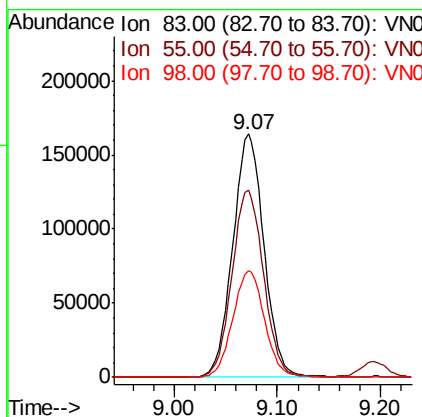
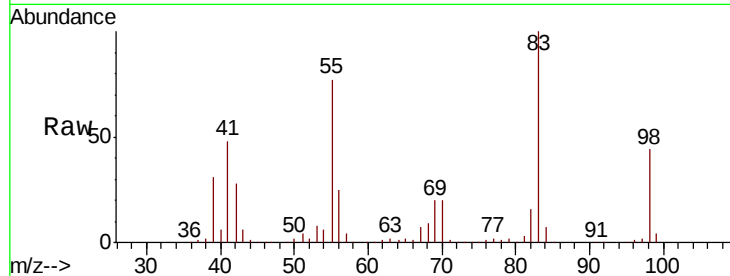
#39
Methvlcvclohexane
Concen: 42.527 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	61.6	92.4
98	43.6	34.9	52.3

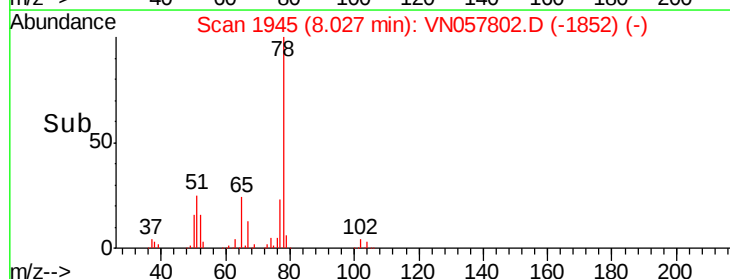
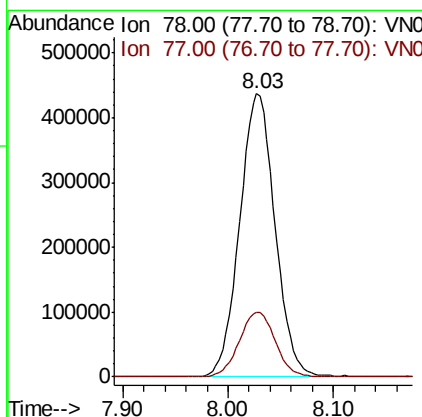
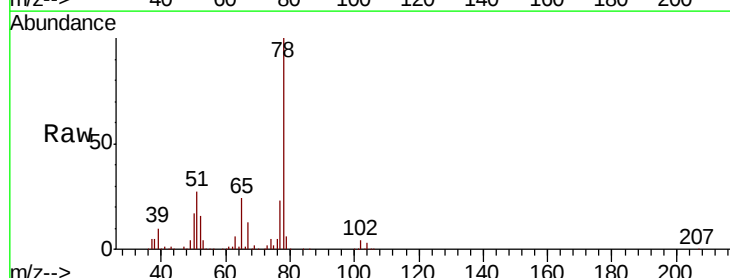
Manual Integrations
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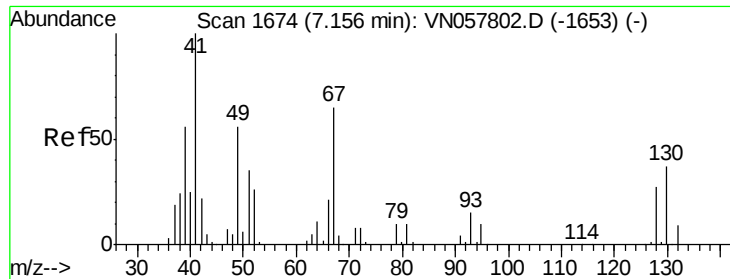
MMDadoda
9/10/2019 4:30:05 PM



#40
Benzene
Concen: 45.964 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5





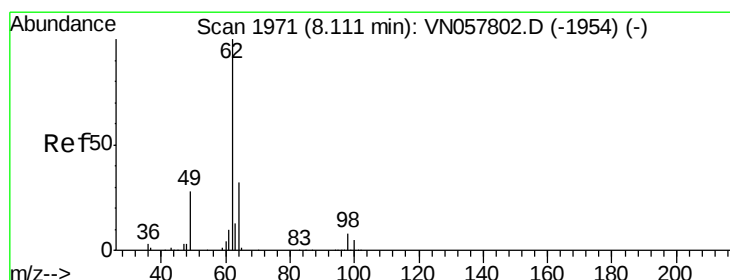
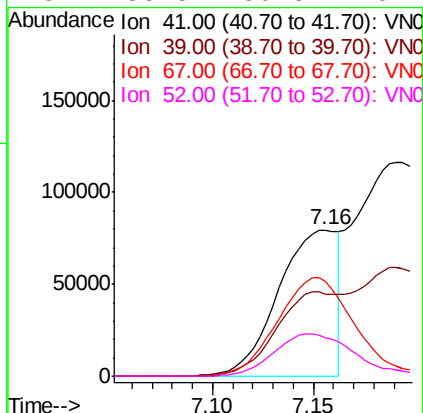
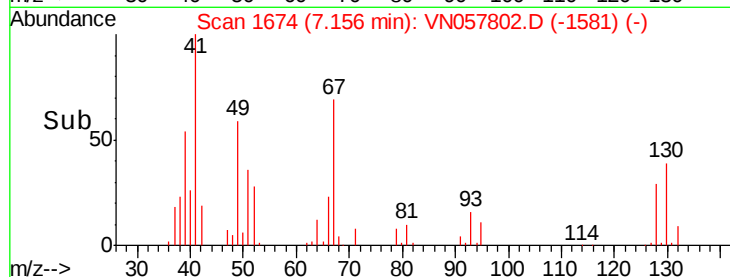
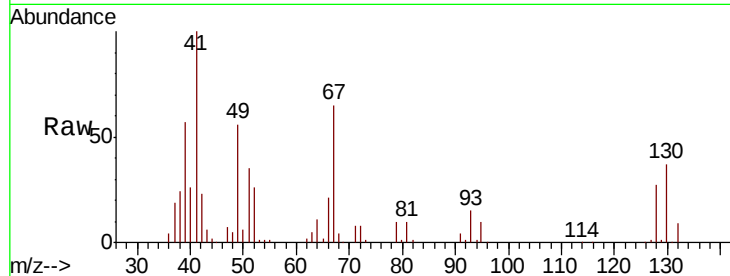
#41
Methacrylonitrile
Concen: 42.968 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	161741
Ion	Ratio	Lower	Upper
41	100		
39	63.8	51.0	76.6
67	88.4	70.7	106.1
52	38.5	30.8	46.2

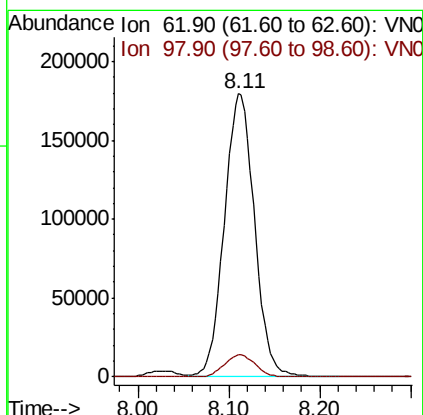
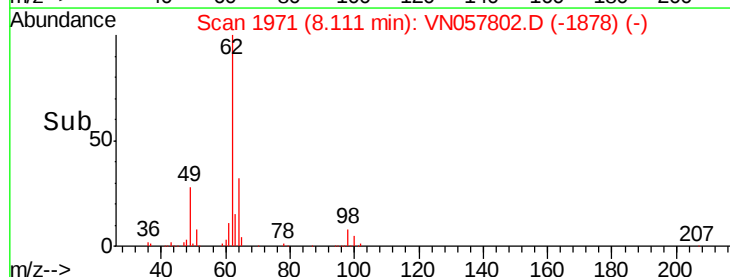
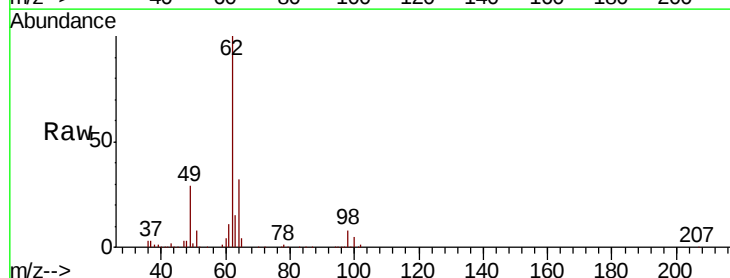
Manual Integrations
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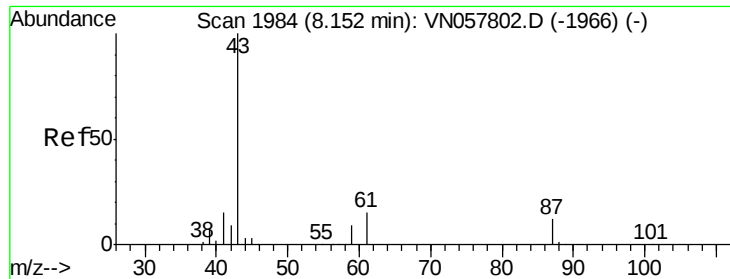
MMDadoda
9/10/2019 4:30:05 PM



#42
1,2-Dichloroethane
Concen: 40.574 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	62	Resp	411931
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





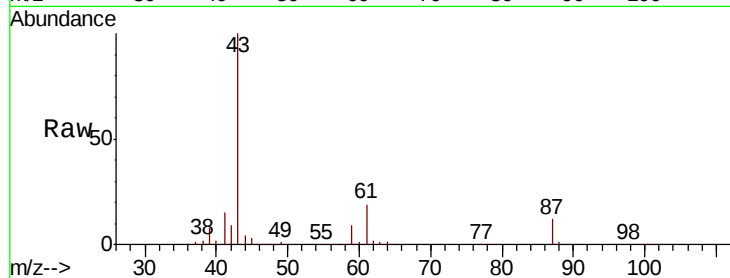
#43
Isopropyl Acetate
Concen: 41.788 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

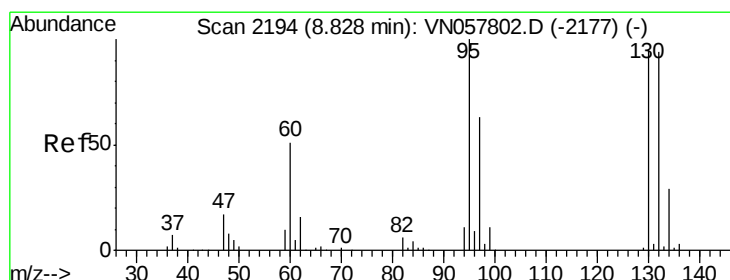
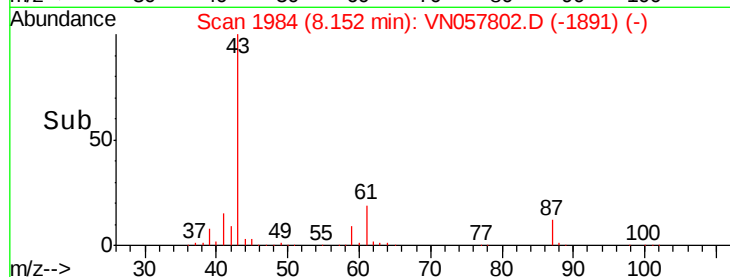
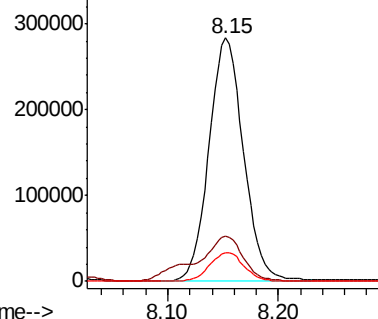
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.1	30.1
87	11.9	9.5	14.3

Manual Integrations
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9/10/2019 4:30:05 PM

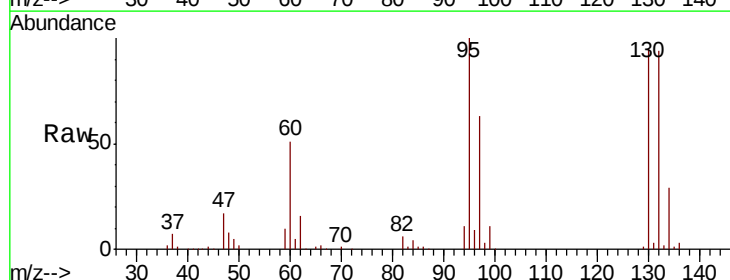


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)
Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)
Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

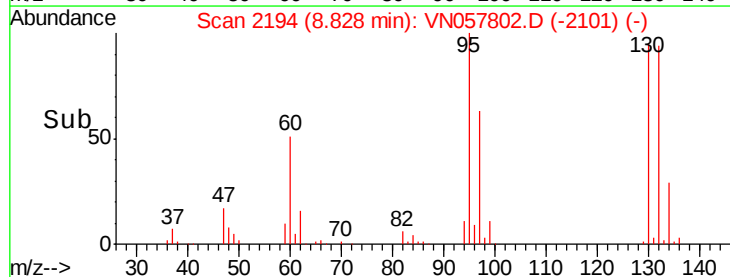
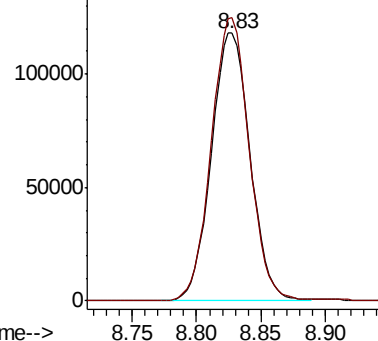


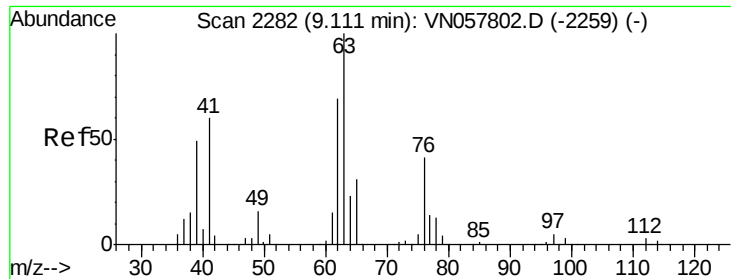
#44
Trichloroethene
Concen: 49.388 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)
Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)





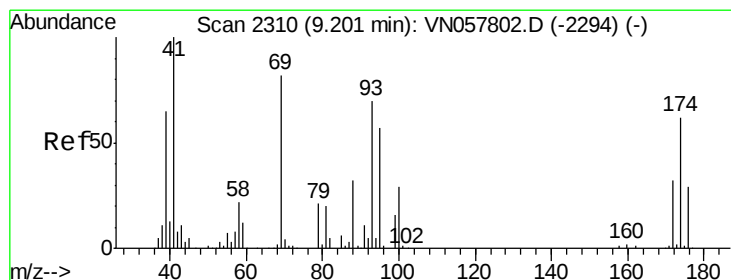
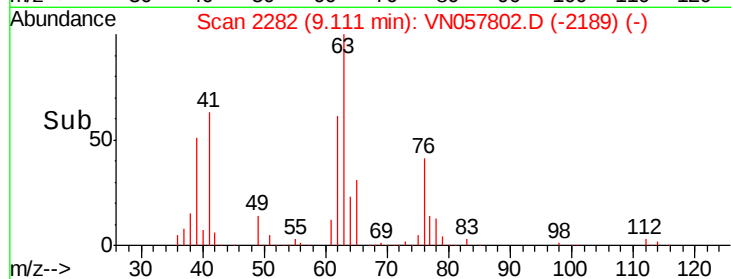
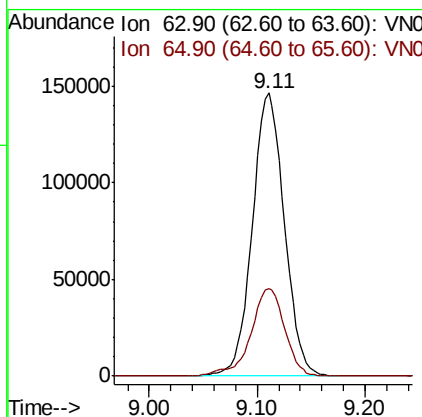
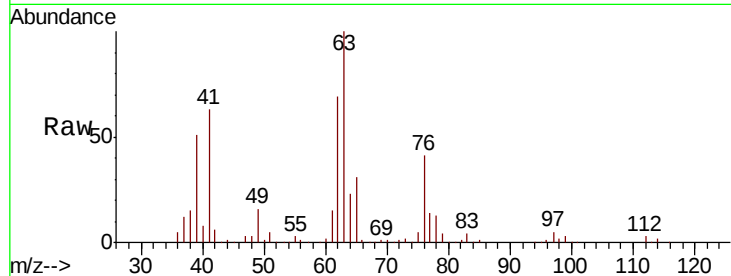
#45
 1,2-Dichloropropane
 Concen: 48.464 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 301402
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2

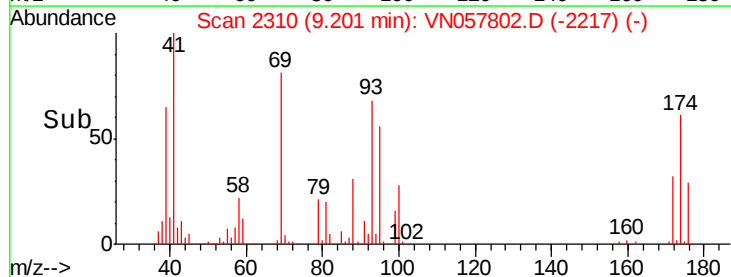
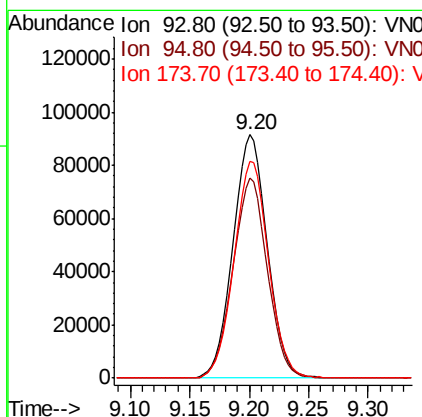
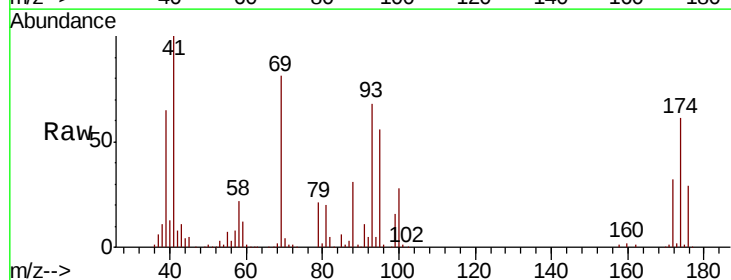
Manual Integrations
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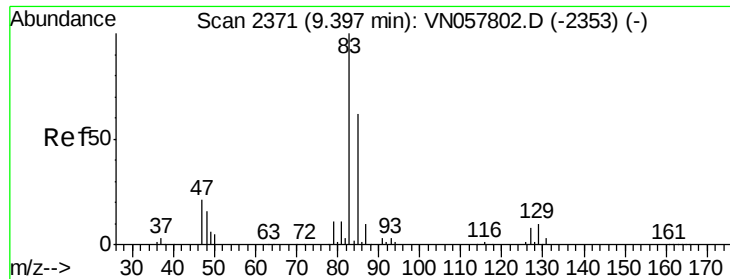
MMDadoda
 9/10/2019 4:30:05 PM



#46
 Dibromomethane
 Concen: 46.213 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Tgt Ion: 93 Resp: 182646
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.9 98.9
 174 89.7 71.8 107.6





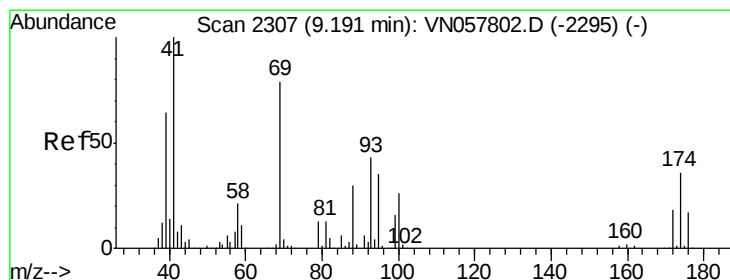
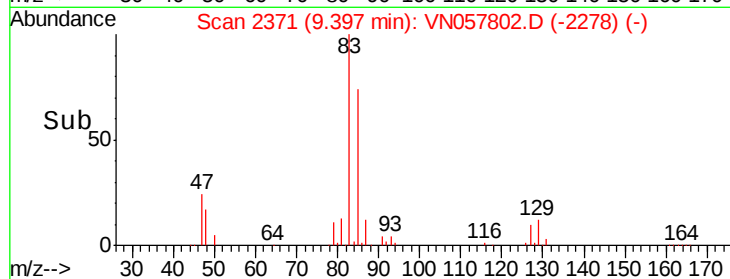
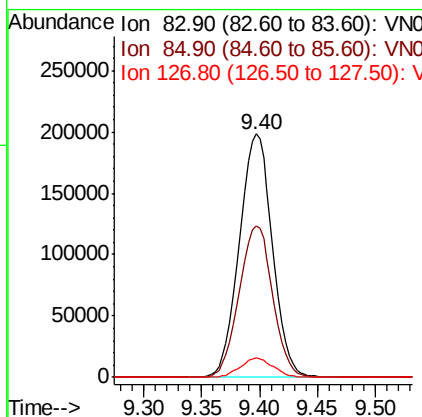
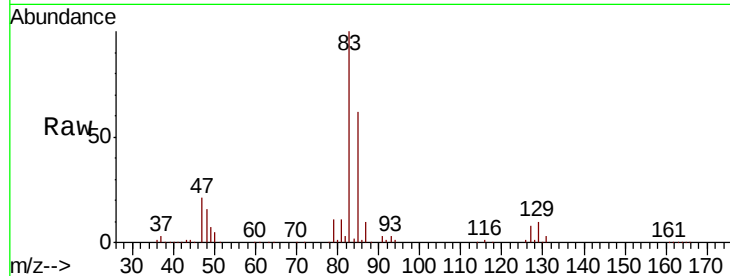
#47
Bromodichloromethane
Concen: 46.769 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	392521		
85	62.4	49.9	74.9	
127	8.1	6.5	9.7	

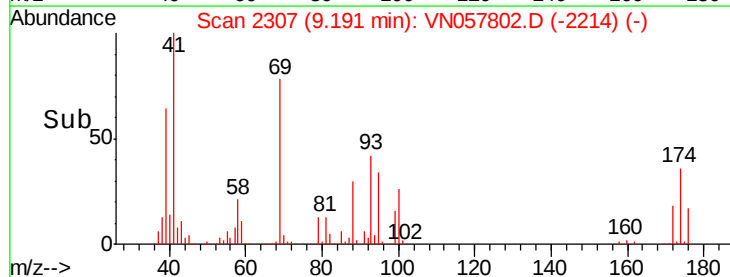
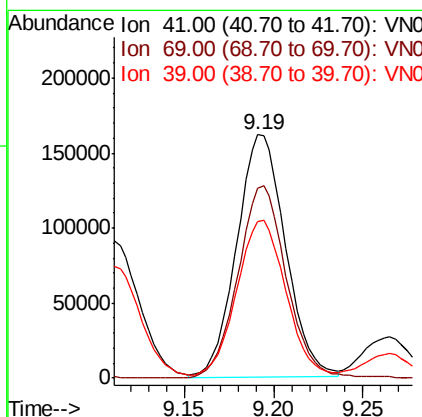
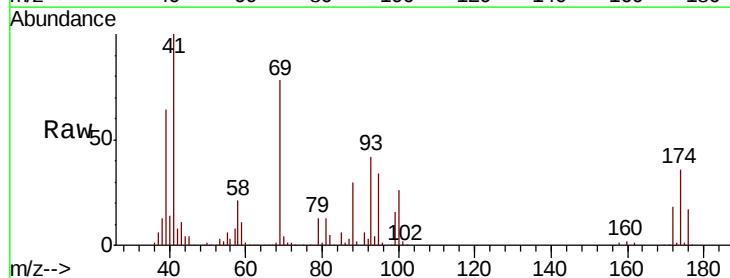
Manual Integrations
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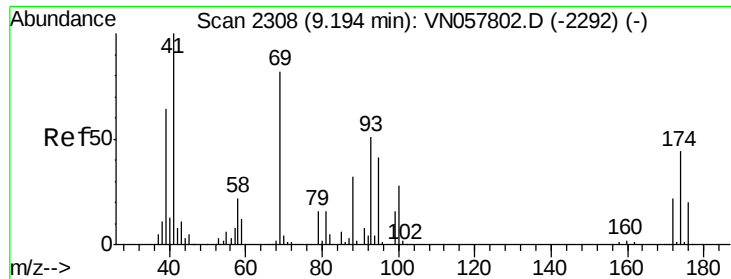
MMDadoda
9/10/2019 4:30:05 PM



#48
Methyl methacrylate
Concen: 41.134 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	310242		
69	78.4	62.7	94.1	
39	65.9	52.7	79.1	





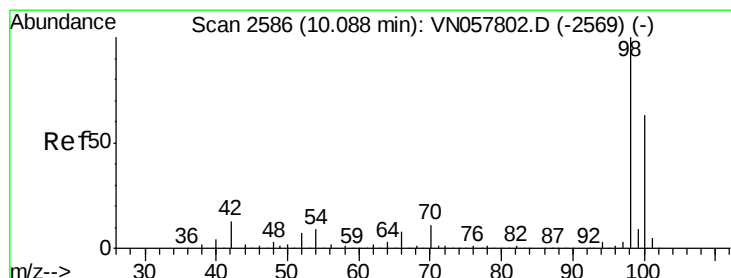
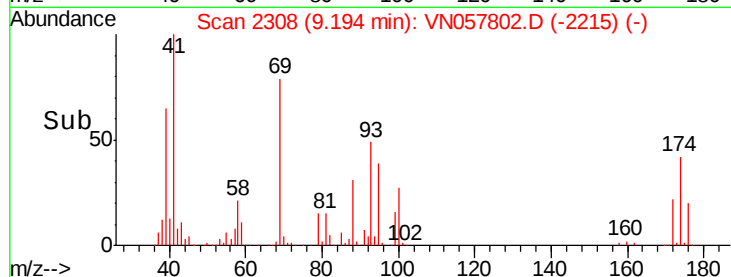
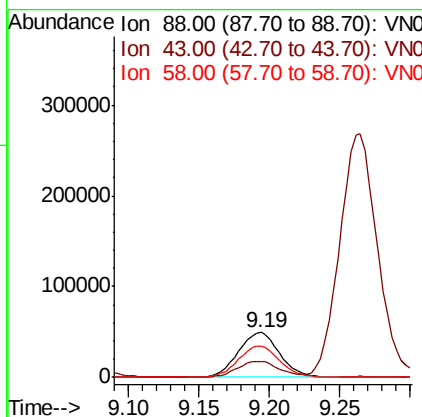
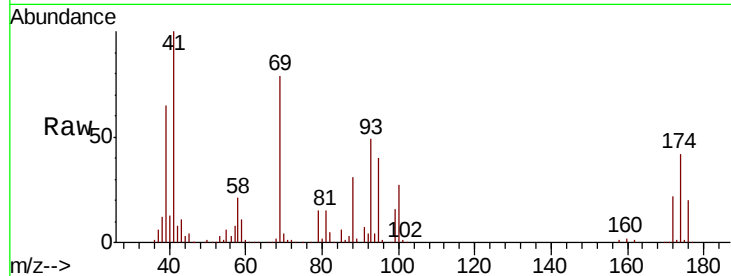
#49
1,4-Dioxane
Concen: 1112.459 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	69.7	55.8	83.6

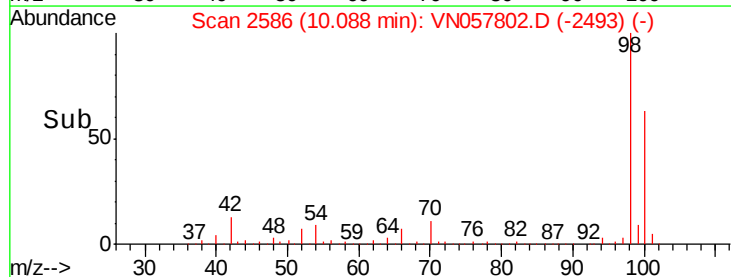
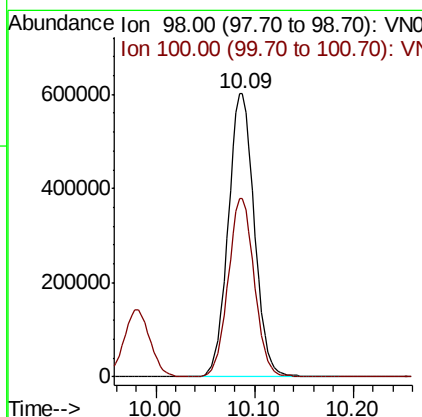
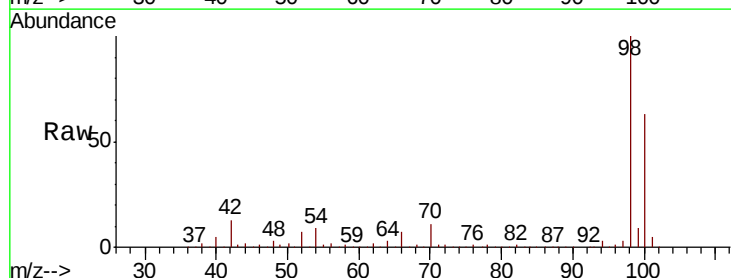
Manual Integrations
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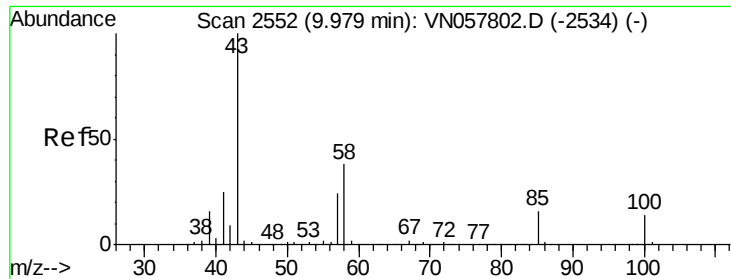
MMDadoda
9/10/2019 4:30:05 PM



#50
Toluene-d8
Concen: 54.634 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 236.587 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1953309

Ion Ratio Lower Upper

43 100

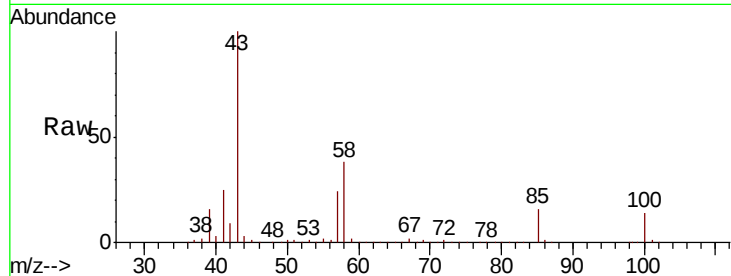
58 37.2 29.8 44.6

Manual Integrations

APPROVED

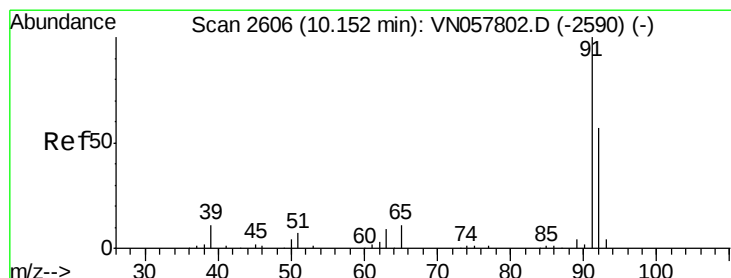
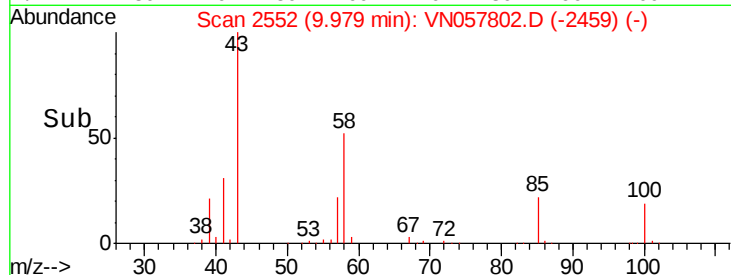
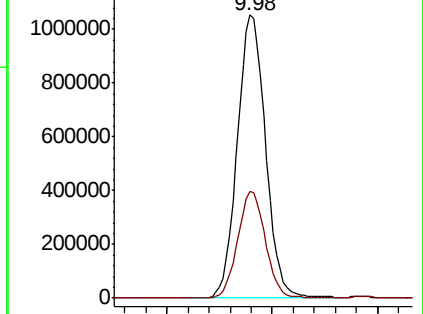
MMDadoda

9/10/2019 4:30:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)



#52

Toluene

Concen: 48.207 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057802.D

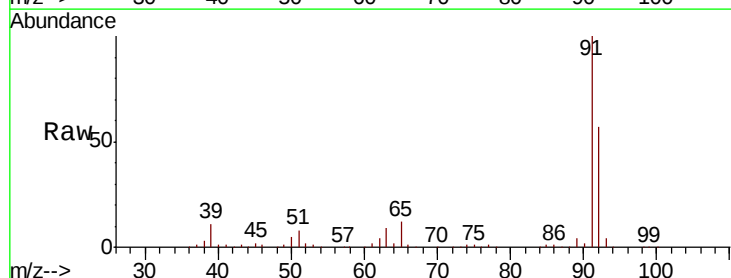
Acq: 9 Sep 2019 15:48

Tgt Ion: 92 Resp: 651790

Ion Ratio Lower Upper

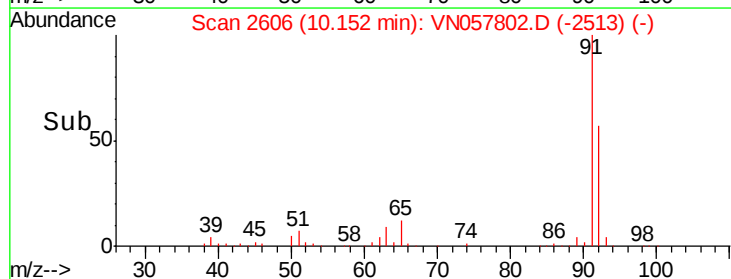
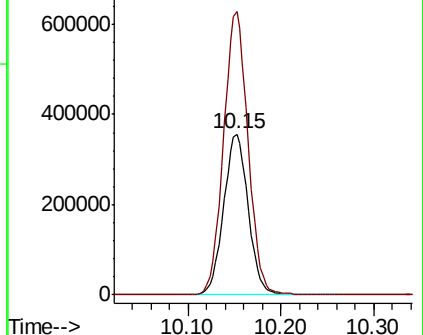
92 100

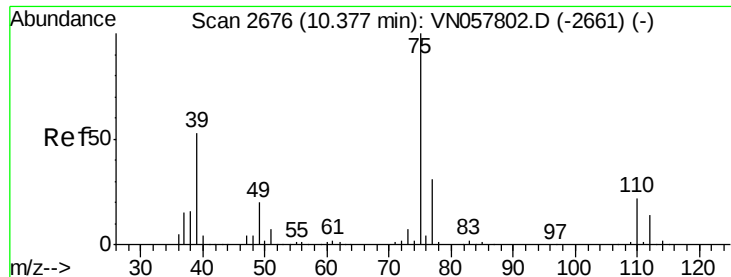
91 176.3 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)





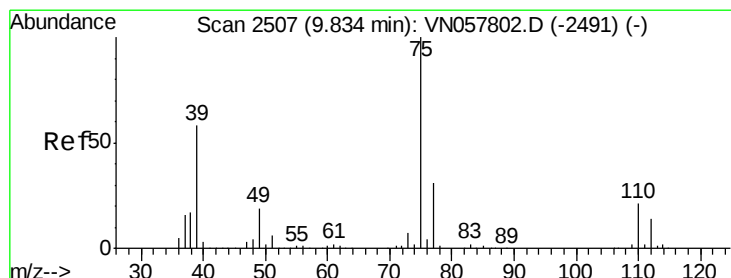
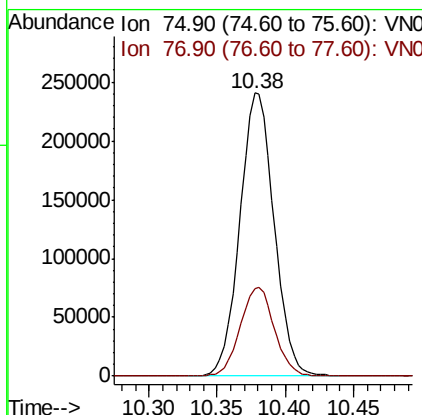
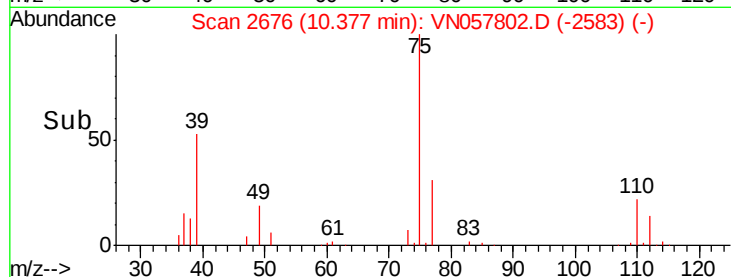
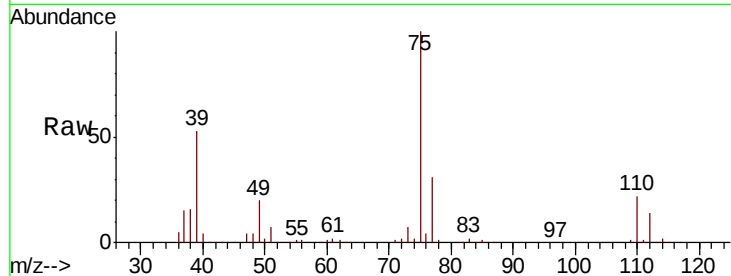
#53
t-1,3-Dichloropropene
Concen: 49.521 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 419316
Ion Ratio Lower Upper
75 100
77 30.6 24.5 36.7

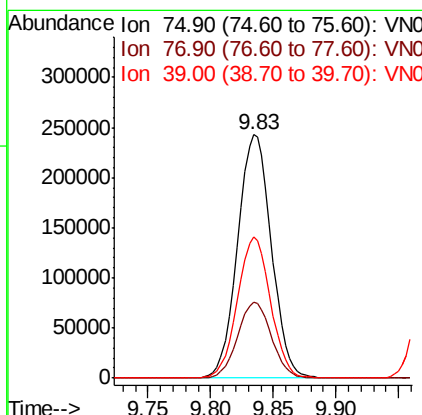
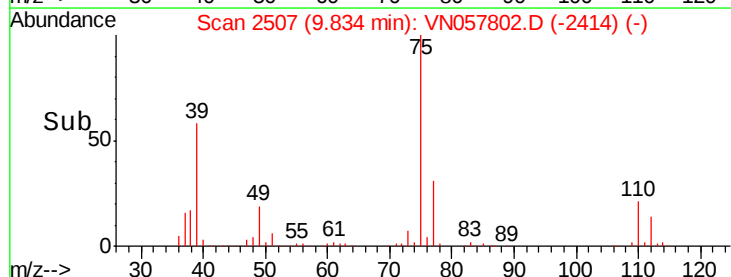
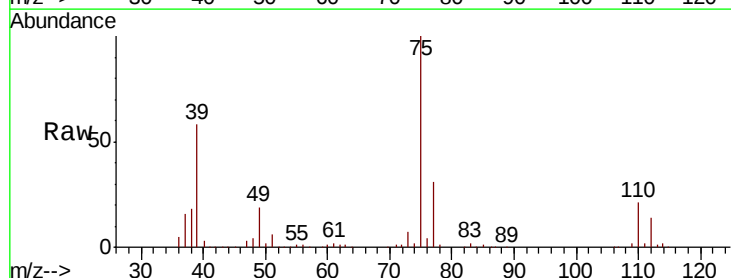
Manual Integrations
APPROVED

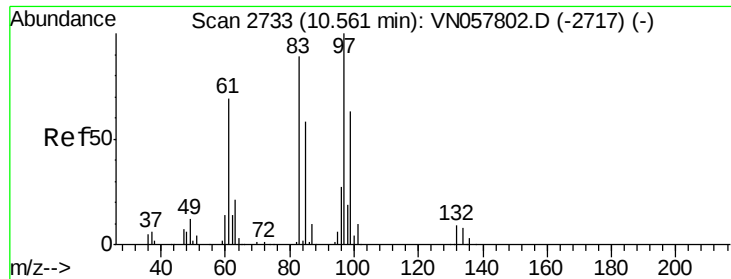
MMDadoda
9/10/2019 4:30:05 PM



#54
cis-1,3-Dichloropropene
Concen: 49.506 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion: 75 Resp: 454406
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 57.8 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 52.019 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

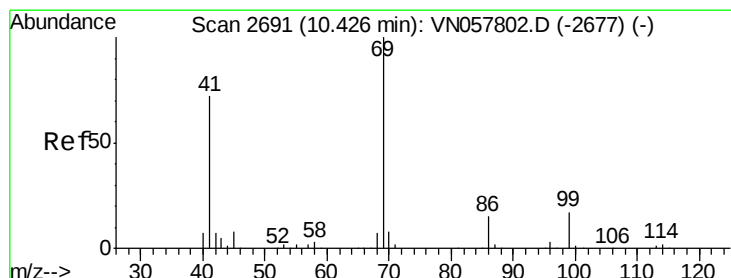
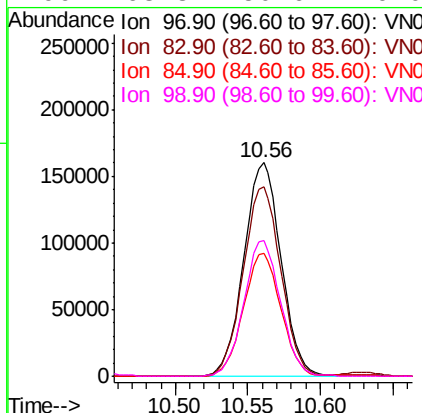
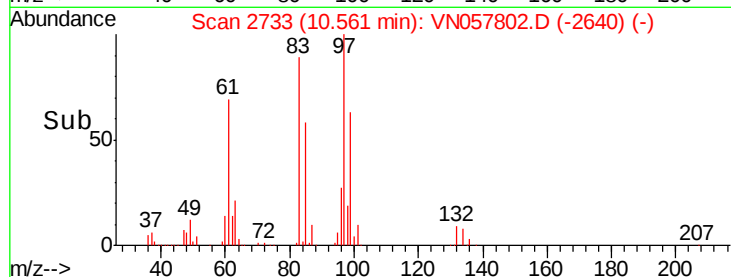
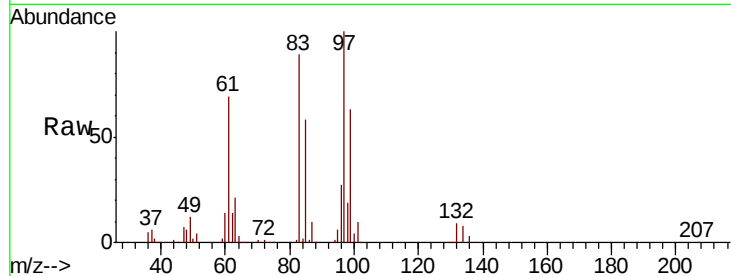
ClientSampled :

VSTDICCC050

Tot Ion:	97	Resp:	287004
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.8	106.2
85	57.5	46.0	69.0
99	63.3	50.6	76.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 51.201 ug/l

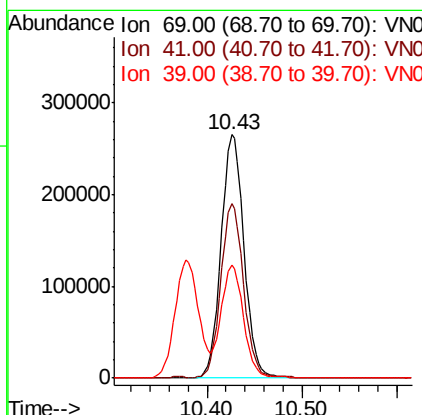
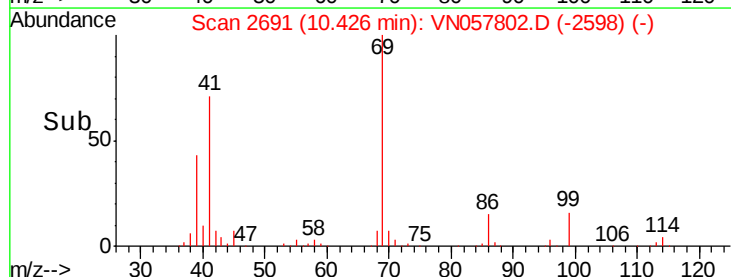
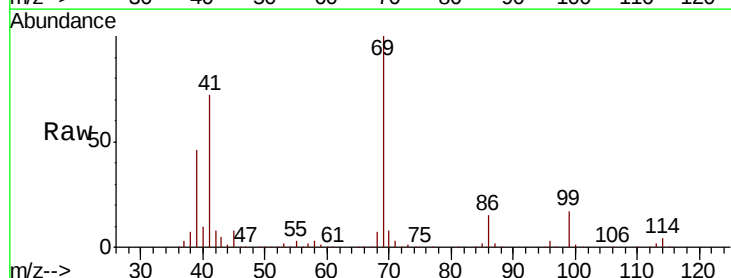
RT: 10.43 min Scan# 2691

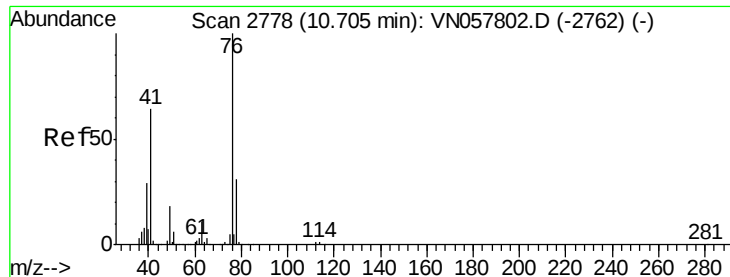
Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Tgt Ion:	69	Resp:	447185
Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.7	85.1
39	45.4	36.3	54.5





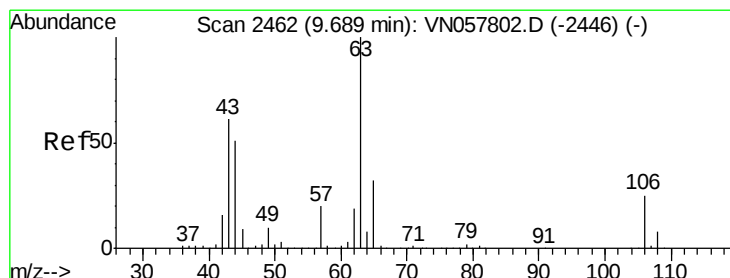
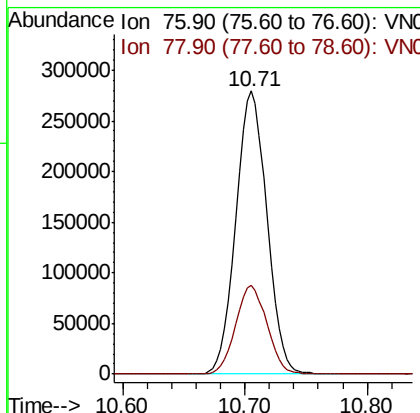
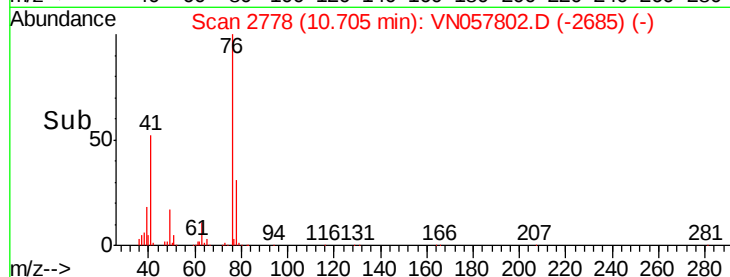
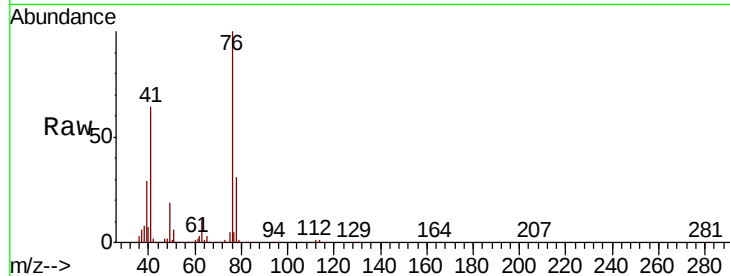
#57
 1,3-Dichloropropane
 Concen: 49.784 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 490920
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.2

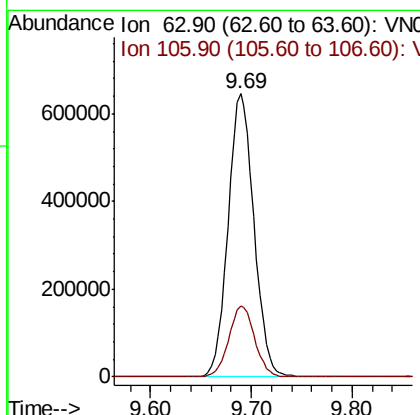
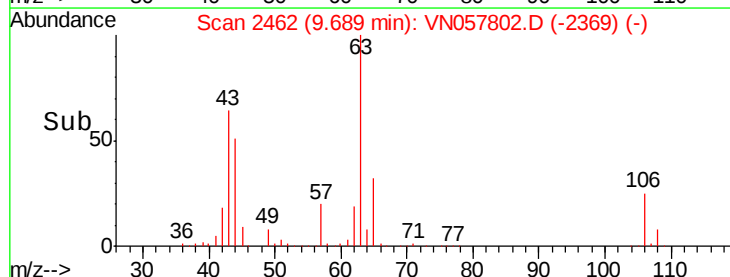
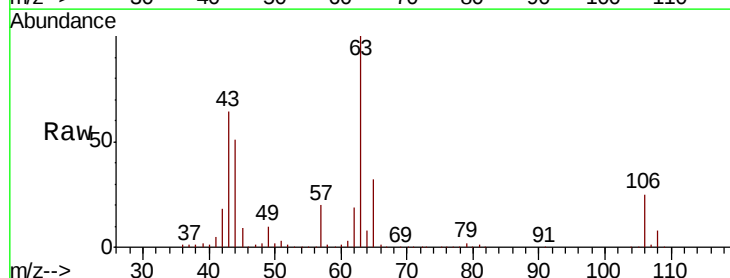
Manual Integrations
 APPROVED

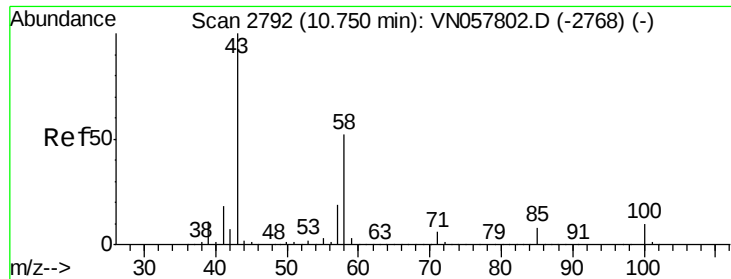
MMDadoda
 9/10/2019 4:30:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.785 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Tgt Ion: 63 Resp: 1152445
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.0 30.0





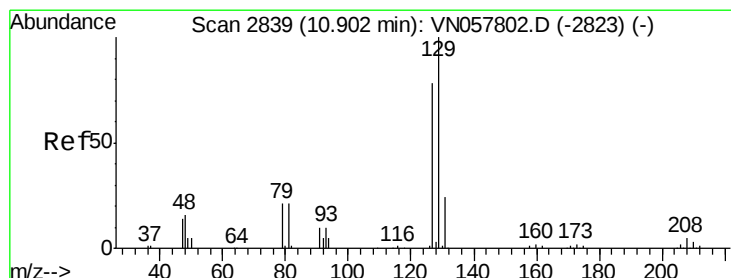
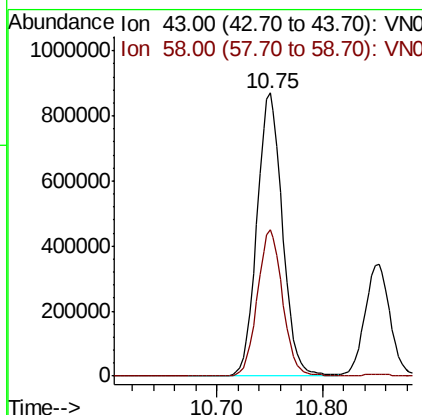
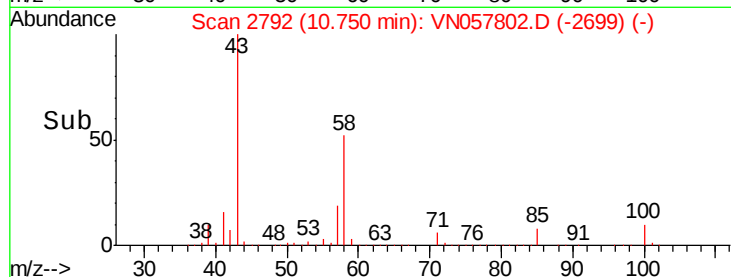
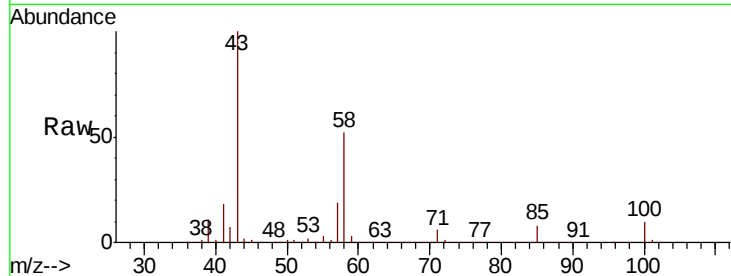
#59
2-Hexanone
Concen: 250.024 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1468134
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.8

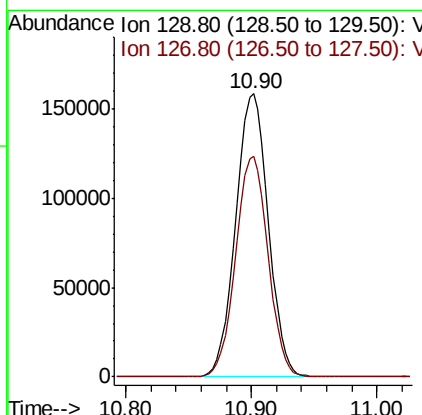
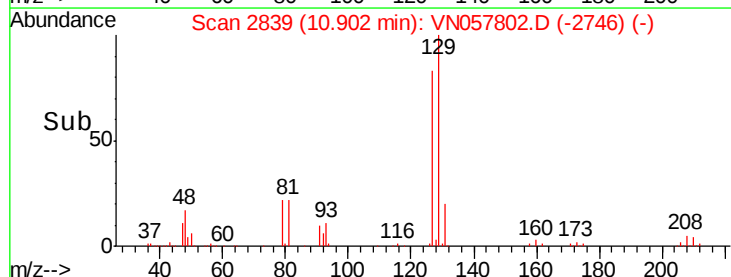
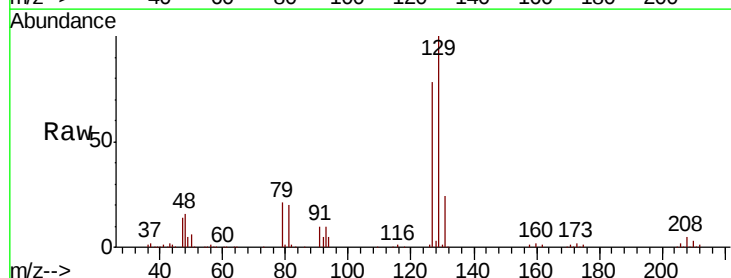
Manual Integrations
APPROVED

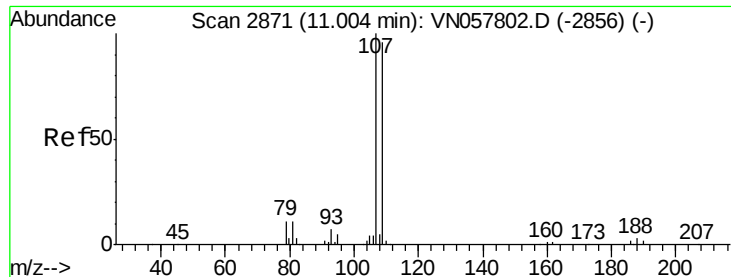
MMDadoda
9/10/2019 4:30:05 PM



#60
Dibromochloromethane
Concen: 53.890 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion: 129 Resp: 286442
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.806 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 272228

Ion Ratio Lower Upper

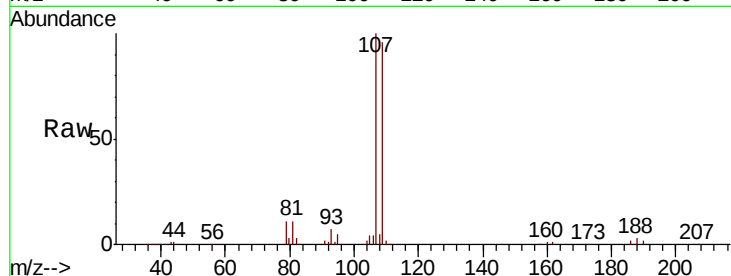
107 100

109 94.1 75.3 112.9

Manual Integrations
APPROVED

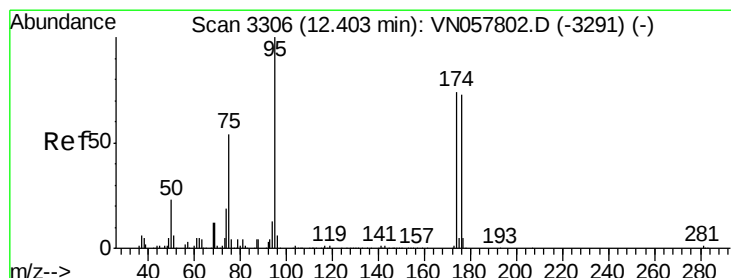
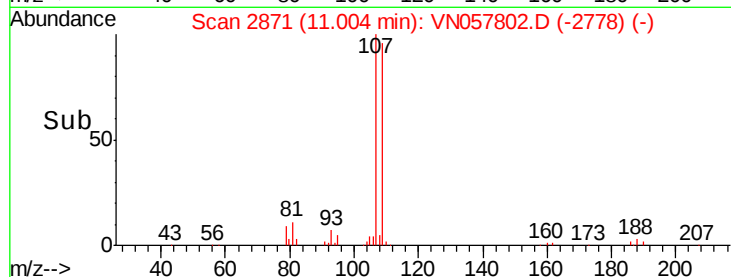
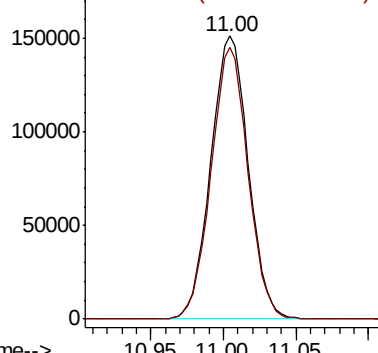
MMDadoda

9/10/2019 4:30:05 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.909 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

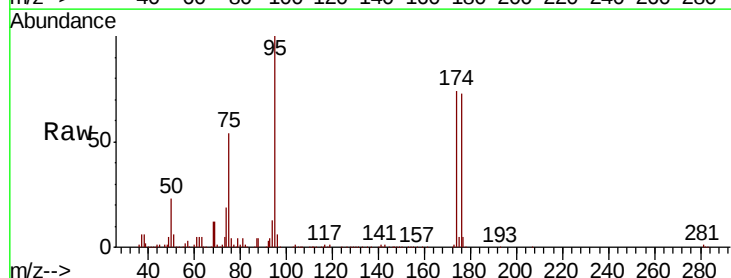
Tgt Ion: 95 Resp: 395157

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

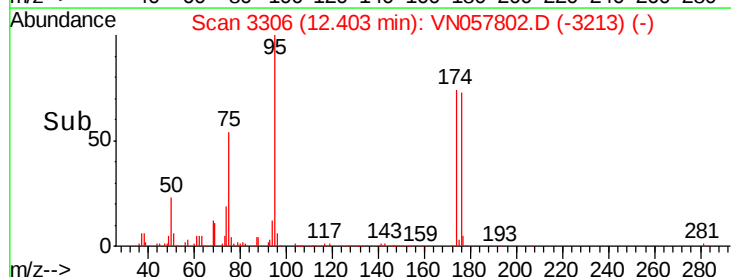
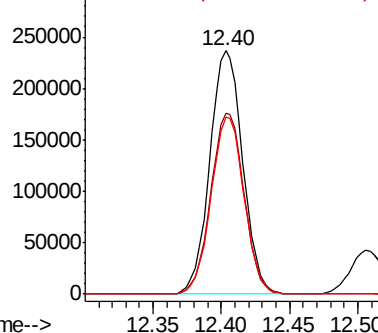
176 73.0 0.0 146.0

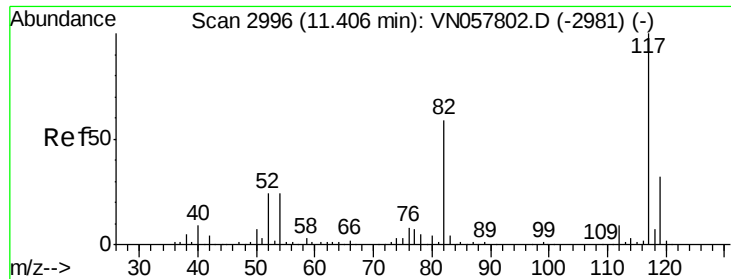


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





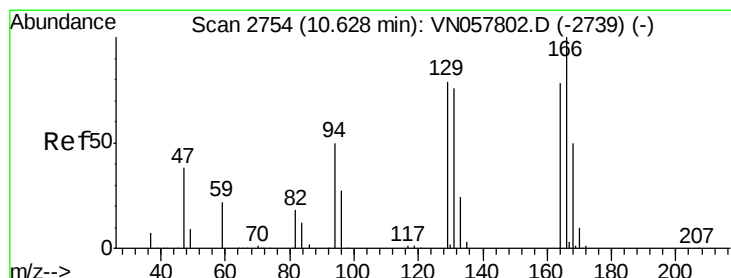
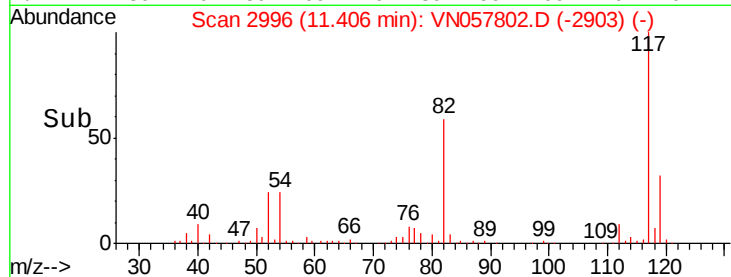
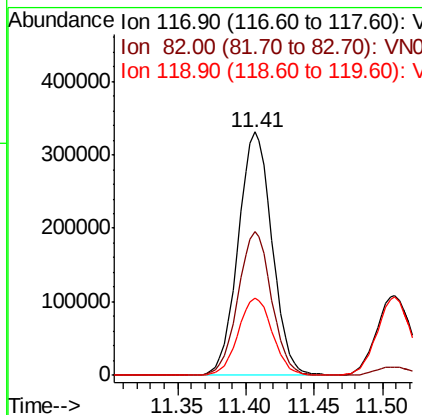
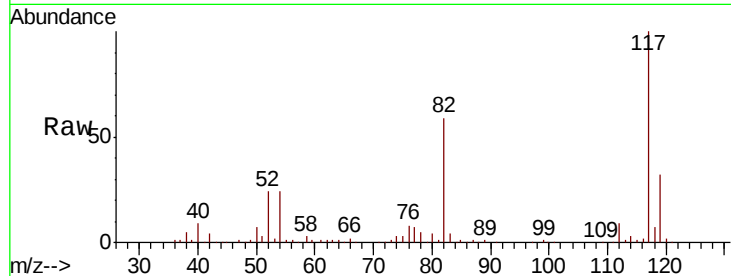
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.2	70.8
119	31.6	25.3	37.9

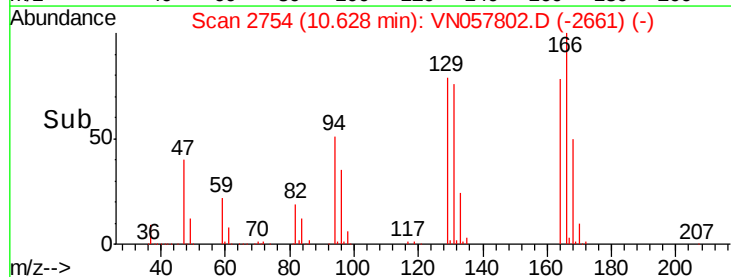
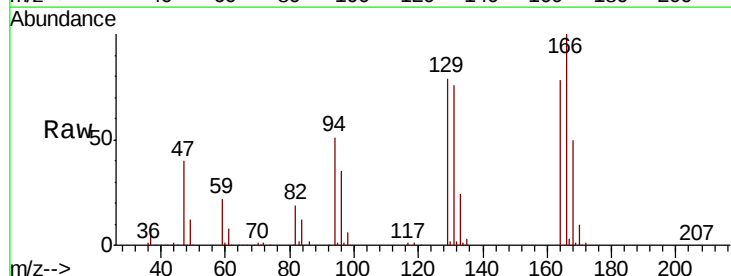
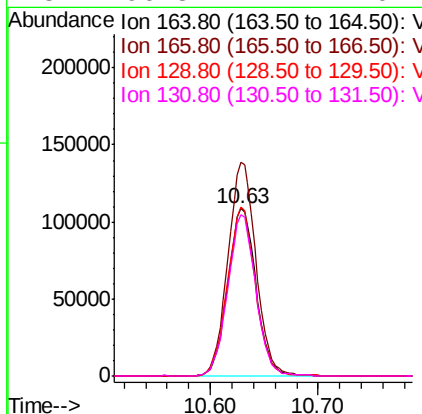
Manual Integrations
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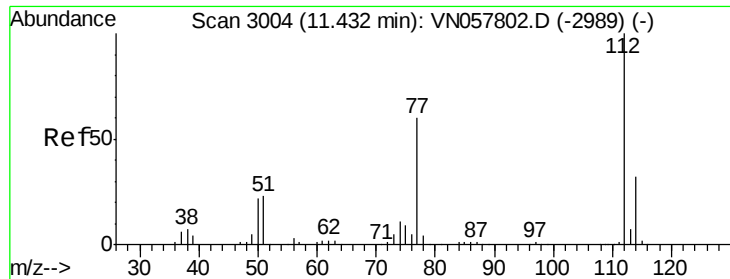
MMDadoda
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#64
Tetrachloroethene
Concen: 45.337 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.2	153.2
129	101.0	80.8	121.2
131	96.8	77.4	116.2





#65

Chlorobenzene

Concen: 49.930 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 745072

Ion Ratio Lower Upper

112 100

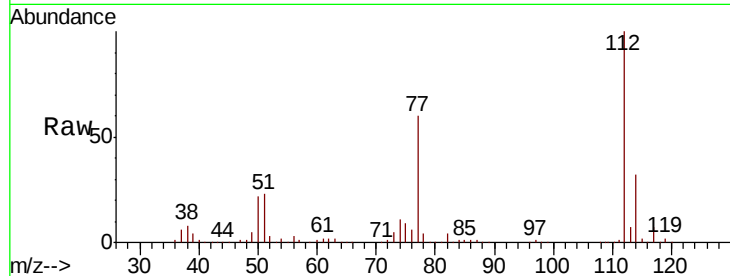
114 31.5 25.2 37.8

Manual Integrations

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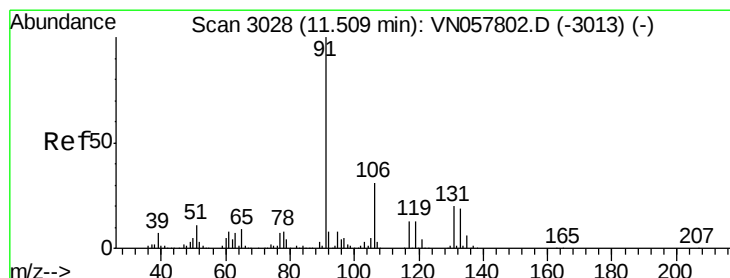
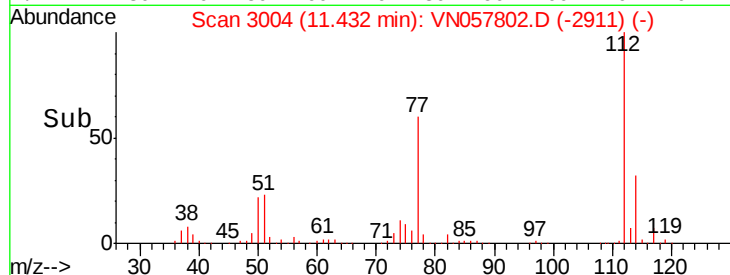
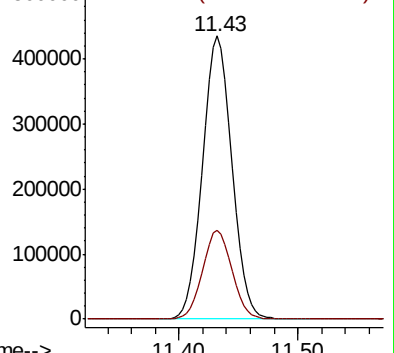
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.865 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

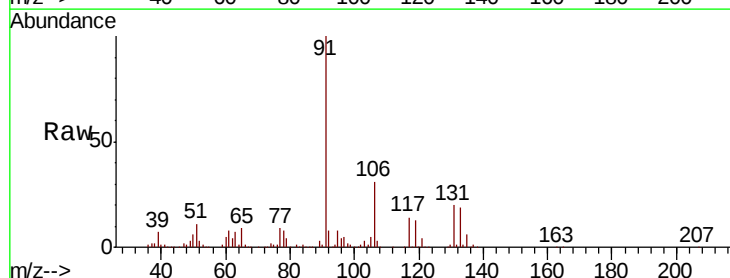
Tgt Ion:131 Resp: 274562

Ion Ratio Lower Upper

131 100

133 94.2 47.1 141.3

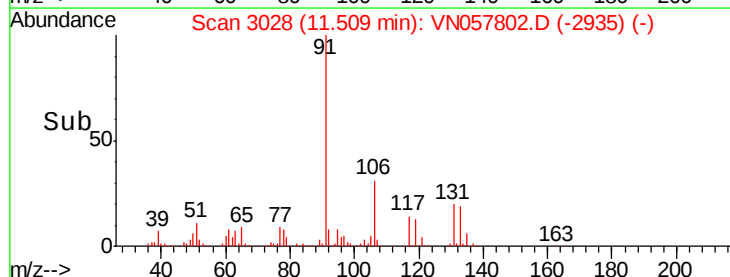
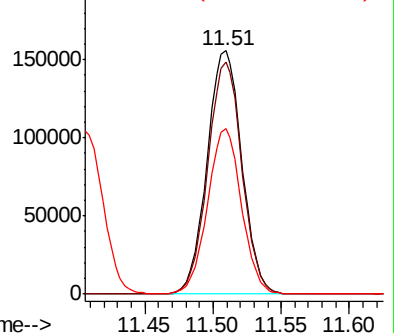
119 66.5 33.3 99.8

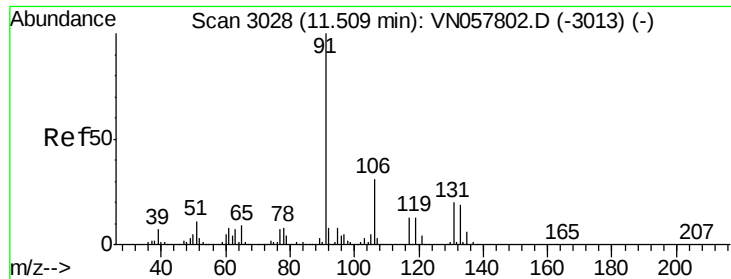


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





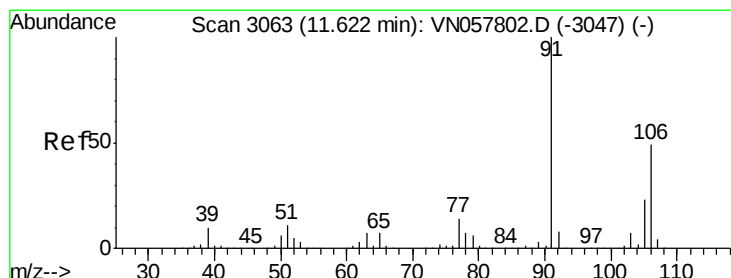
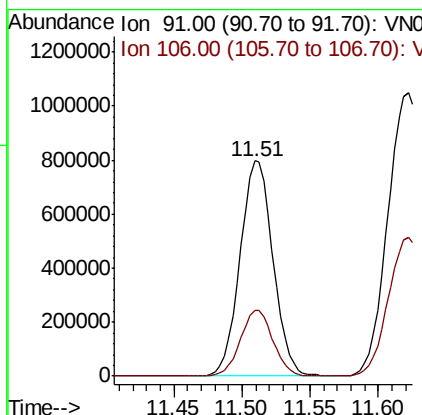
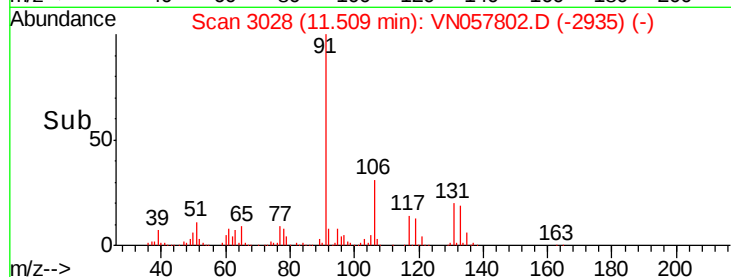
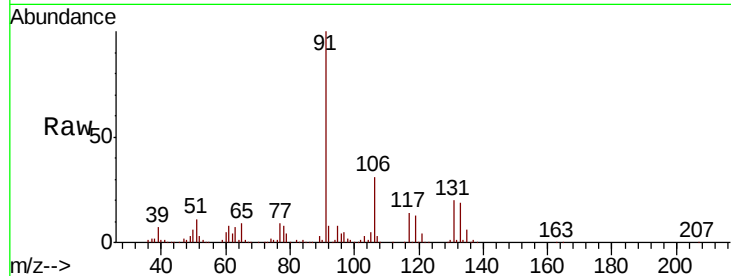
#67
Ethyl Benzene
Concen: 47.233 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1336992
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

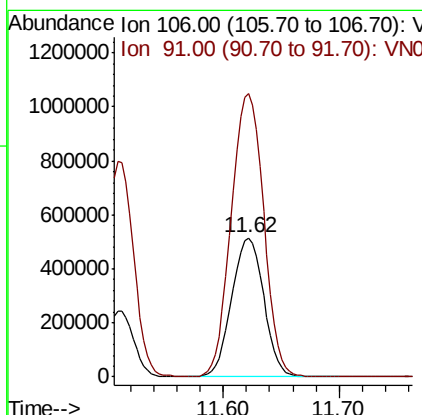
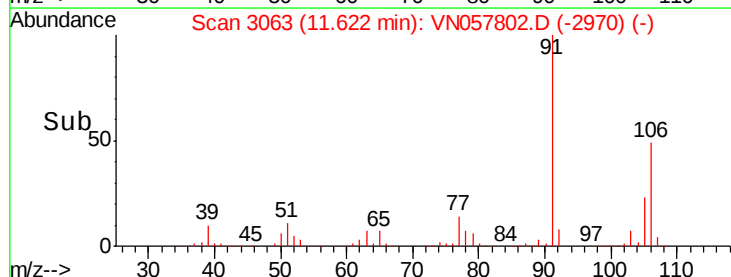
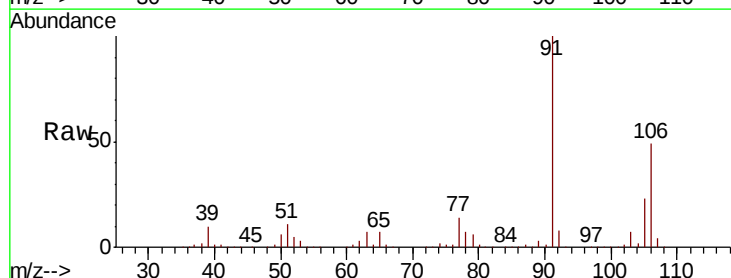
Manual Integrations
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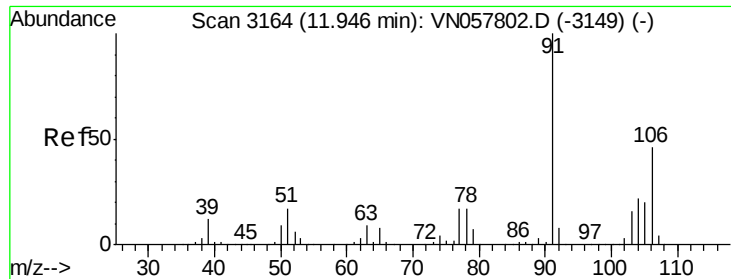
MMDadoda
9/10/2019 4:30:05 PM



#68
m/p-Xylenes
Concen: 99.960 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion: 106 Resp: 984280
Ion Ratio Lower Upper
106 100
91 207.2 165.8 248.6





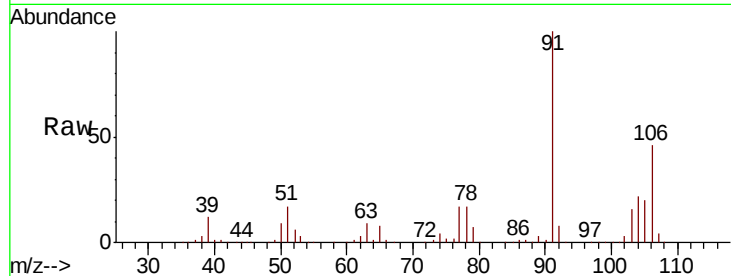
#69
o-Xylene
Concen: 50.627 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

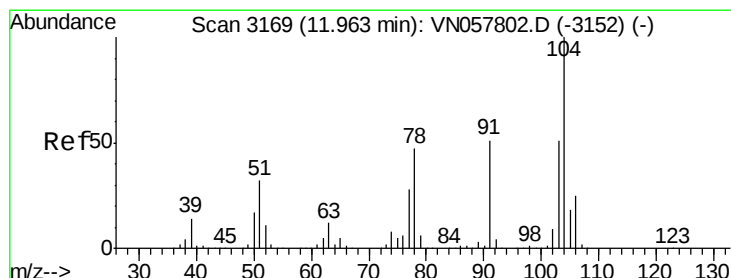
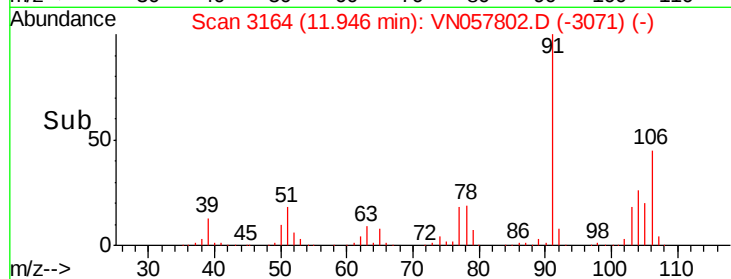
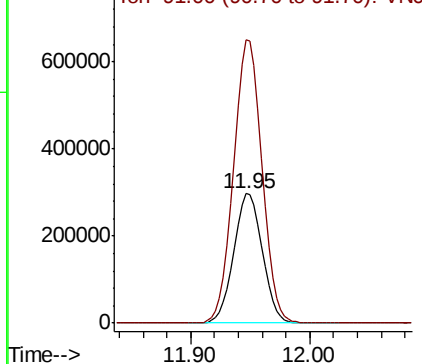
Tot Ion:106 Resp: 495793
Ion Ratio Lower Upper
106 100
91 217.4 108.7 326.1

Manual Integrations
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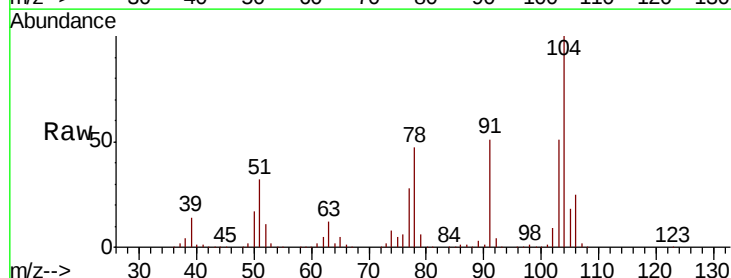


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

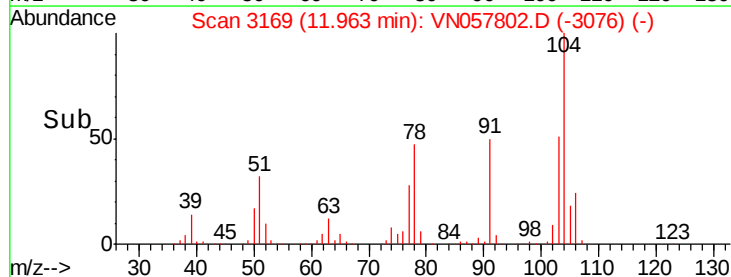
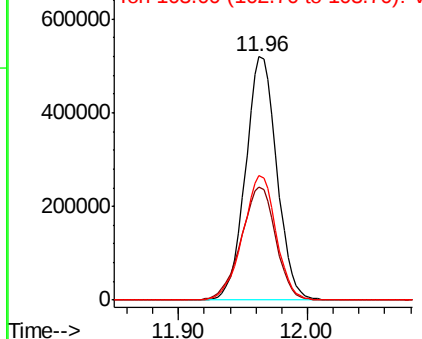


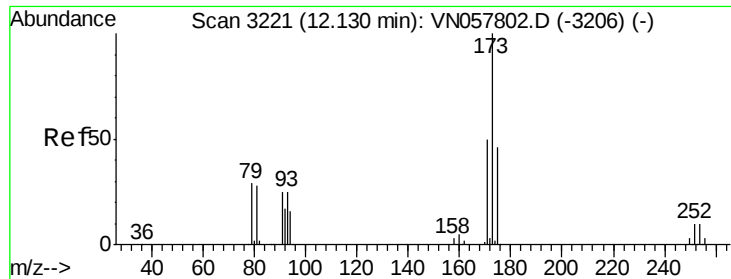
#70
Styrene
Concen: 51.660 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion:104 Resp: 878056
Ion Ratio Lower Upper
104 100
78 51.6 41.3 61.9
103 54.6 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





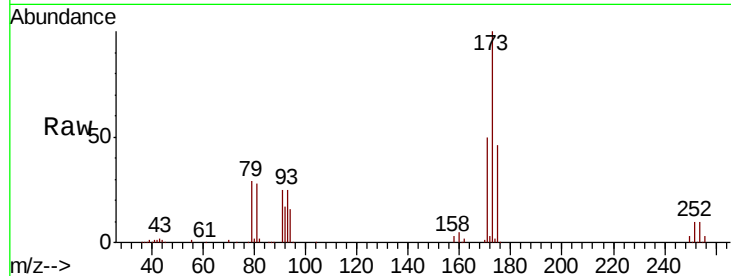
#71
Bromoform
Concen: 54.641 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.5	70.6
254	0.1	0.1	0.1

Manual Integrations
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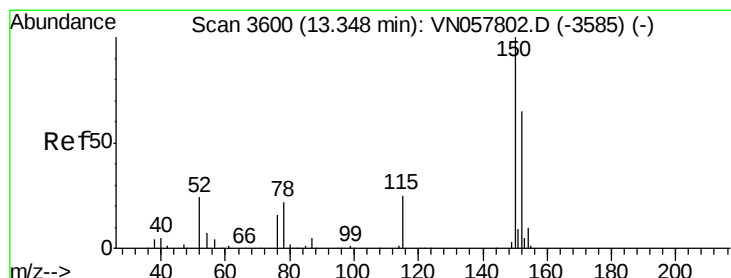
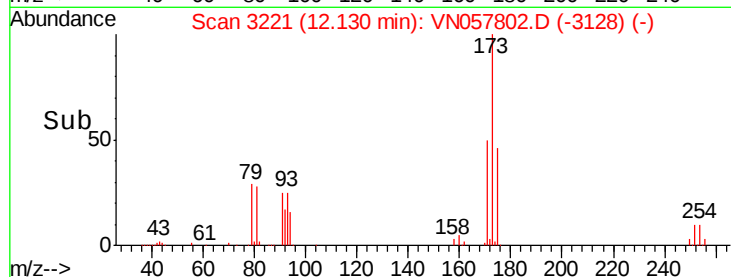
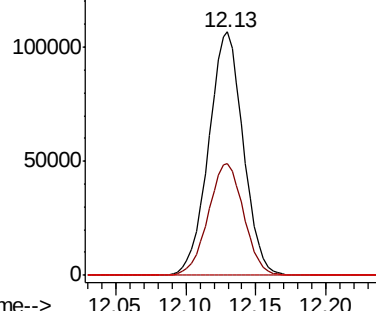


Abundance

Ion 172.70 (172.40 to 173.40): V

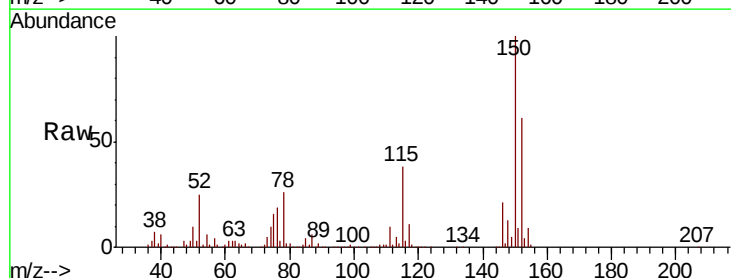
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.3	91.0
150	176.2	0.0	352.4

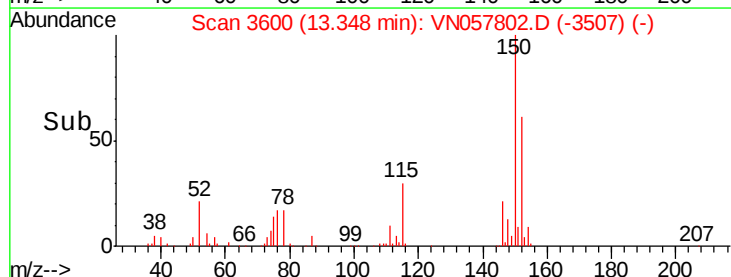
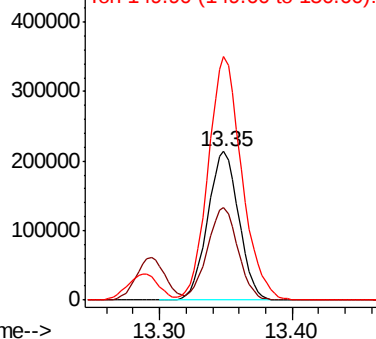


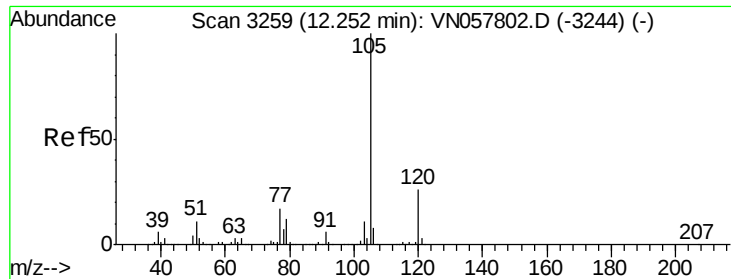
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.402 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1372264

Ion Ratio Lower Upper

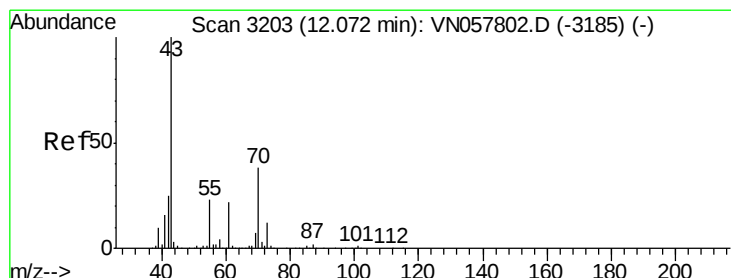
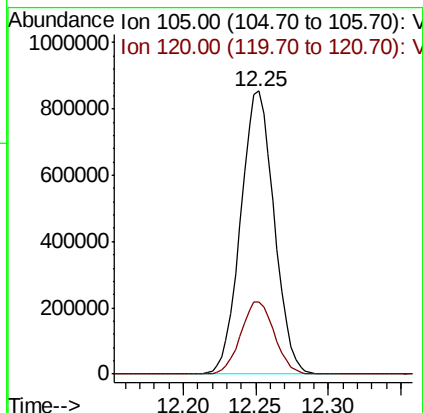
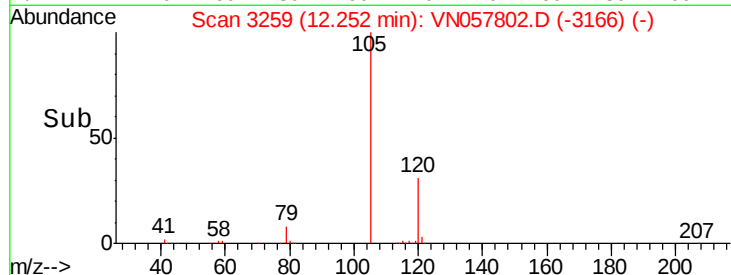
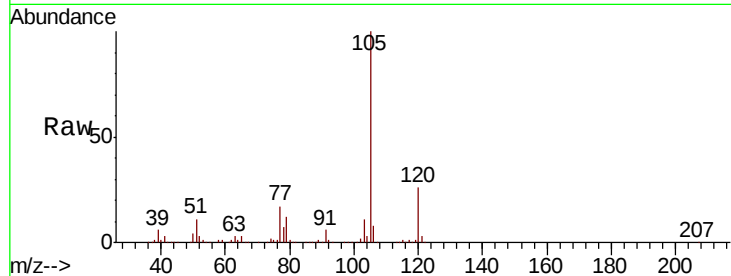
105 100

120 25.6 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 41.571 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Tgt Ion: 43 Resp: 616140

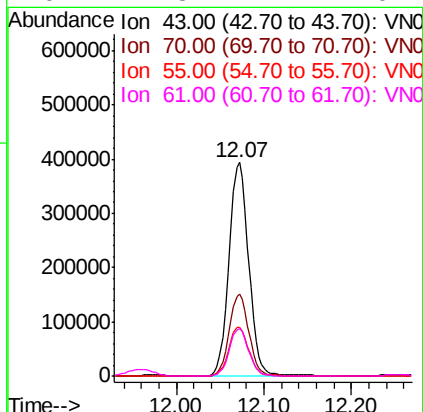
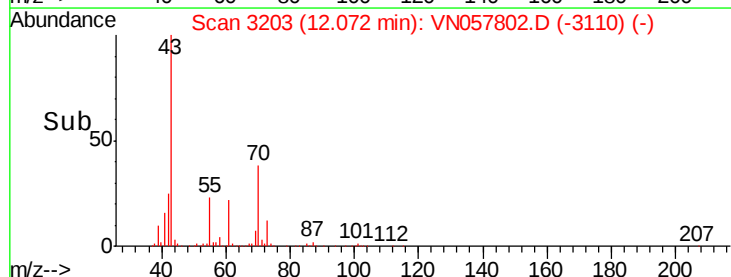
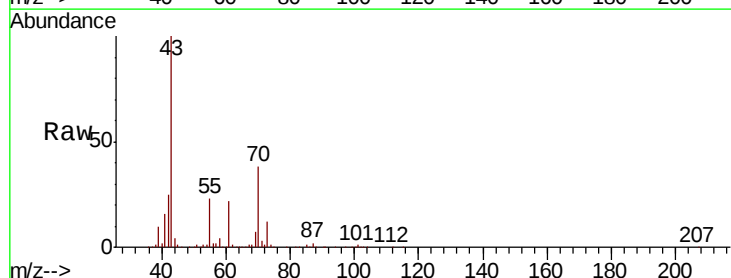
Ion Ratio Lower Upper

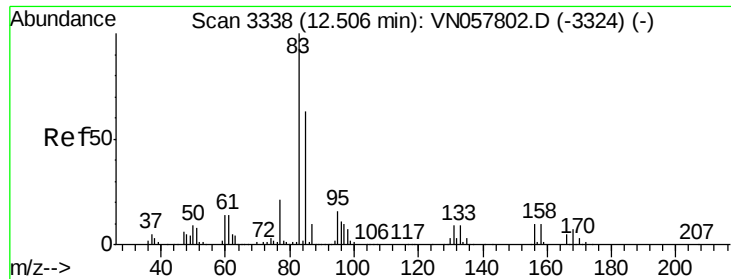
43 100

70 38.2 30.6 45.8

55 23.2 18.6 27.8

61 21.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.216 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

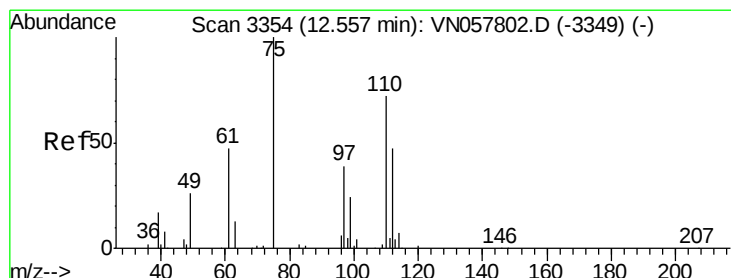
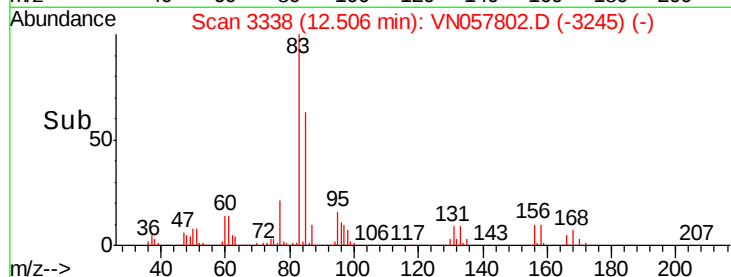
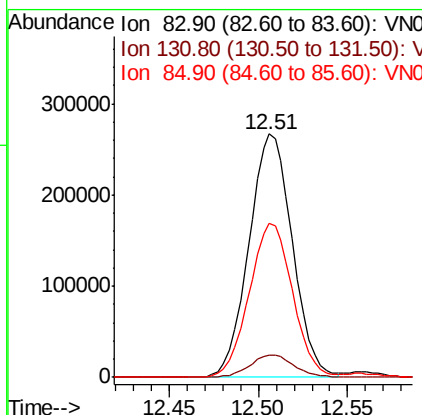
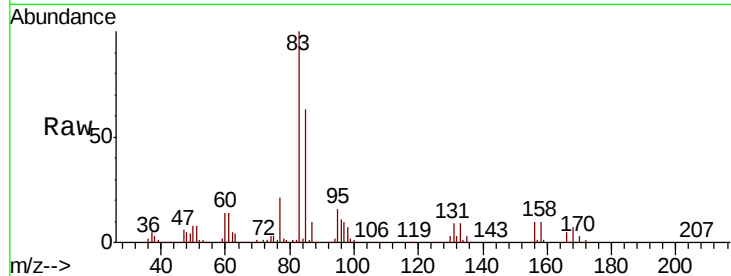
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	453602
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.1	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.683 ug/l m

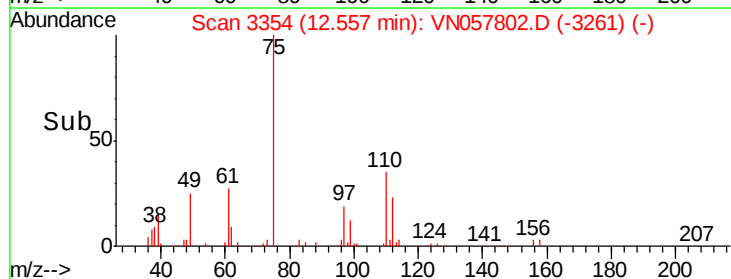
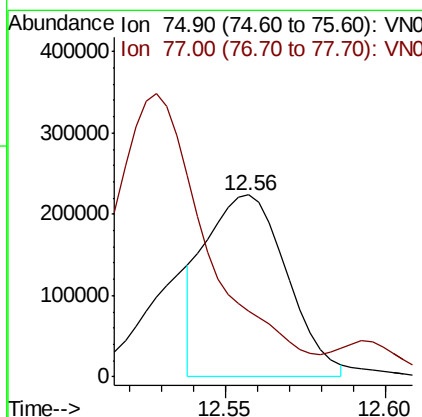
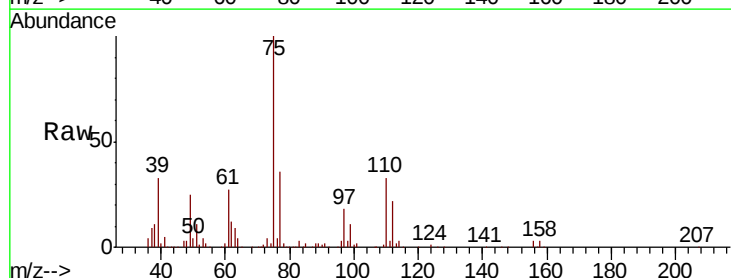
RT: 12.56 min Scan# 3354

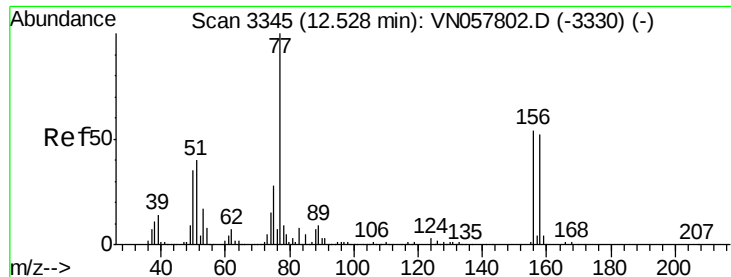
Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Tgt Ion:	75	Resp:	395022
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.967 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 318484

Ion Ratio Lower Upper

156 100

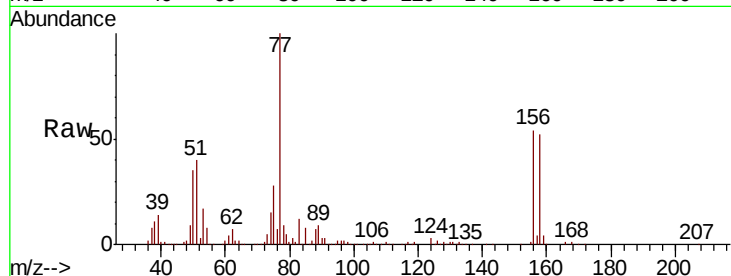
77 227.4 113.7 341.1

158 97.1 48.5 145.6

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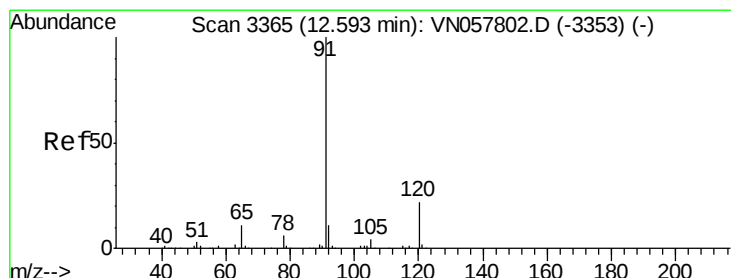
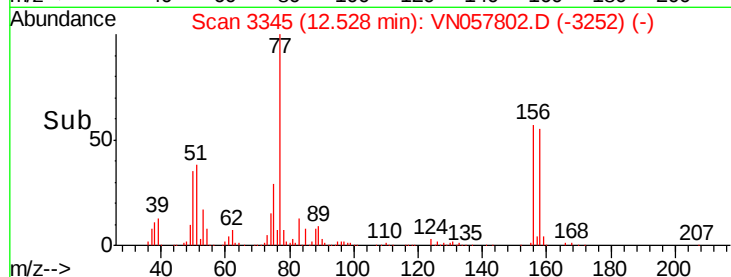
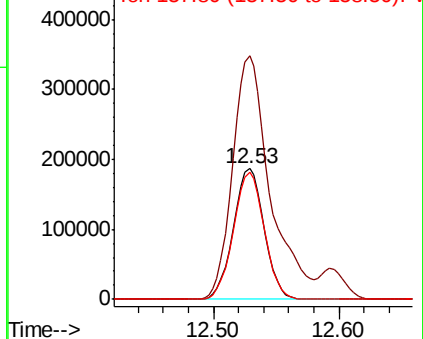
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.018 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057802.D

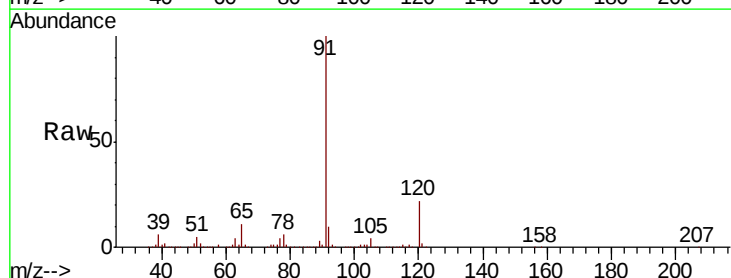
Acq: 9 Sep 2019 15:48

Tgt Ion: 91 Resp: 1608292

Ion Ratio Lower Upper

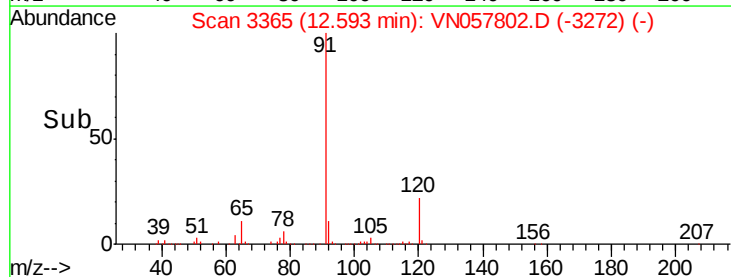
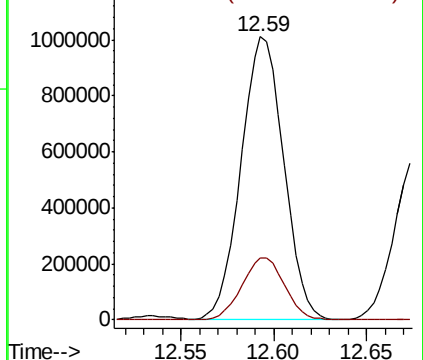
91 100

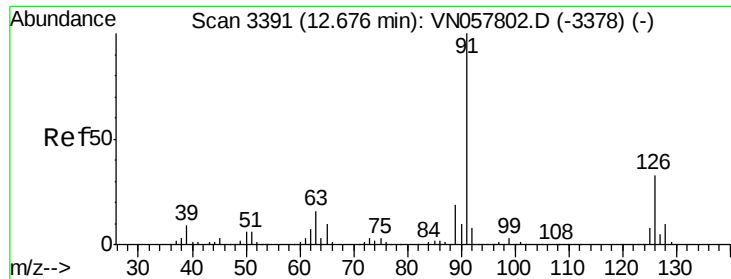
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





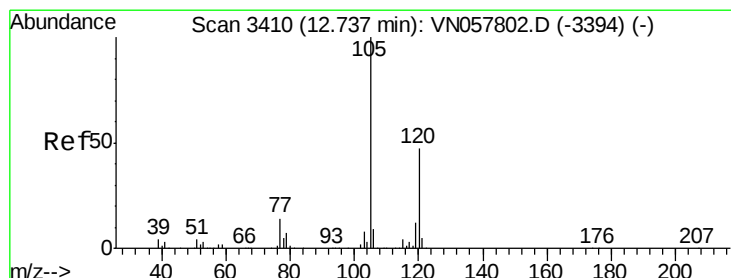
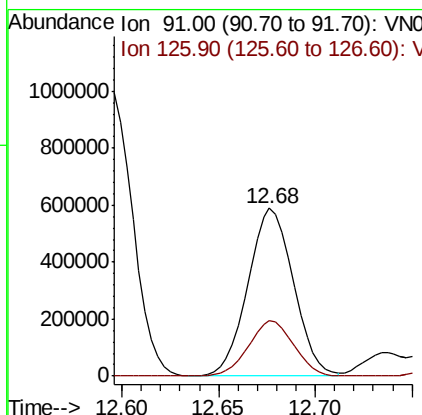
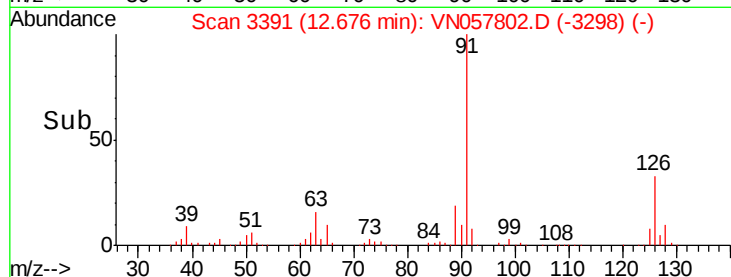
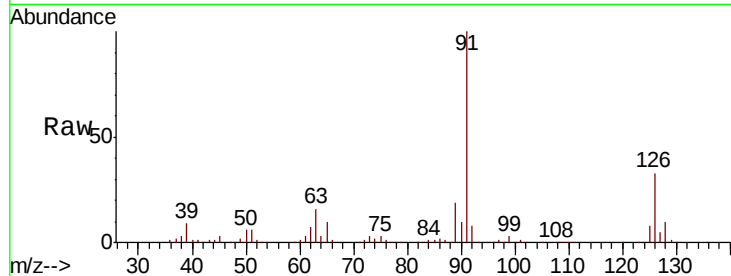
#79
2-Chlorotoluene
Concen: 44.052 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 959975
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.2

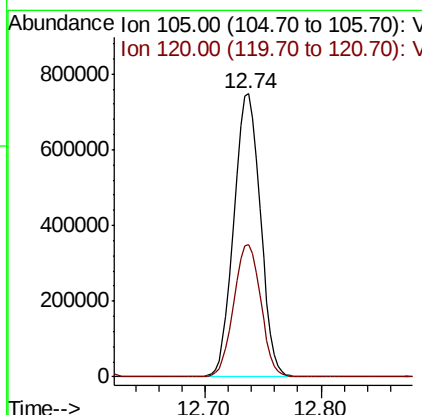
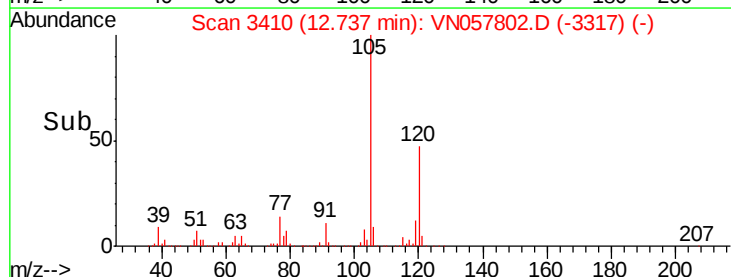
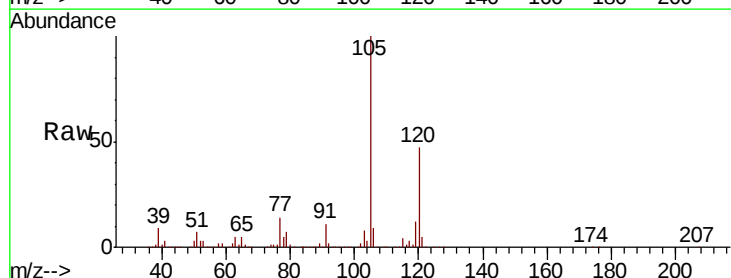
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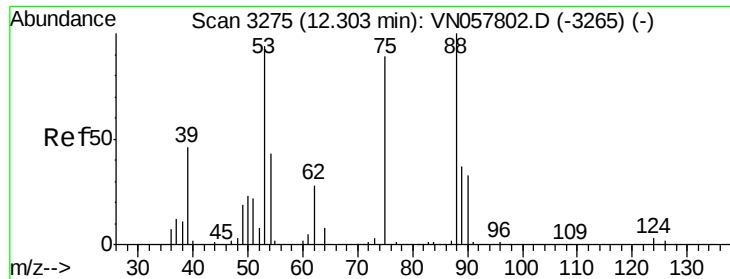
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#80
1,3,5-Trimethylbenzene
Concen: 45.792 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion: 105 Resp: 1177965
Ion Ratio Lower Upper
105 100
120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 48.150 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 122385

Ion Ratio Lower Upper

75 100

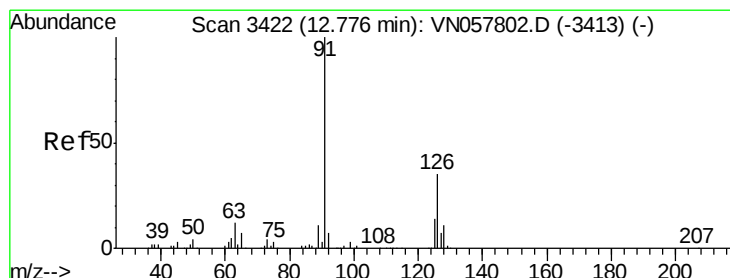
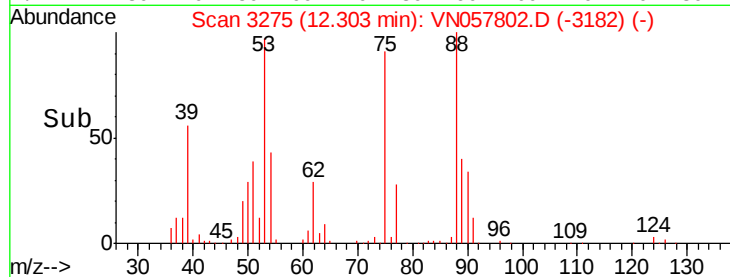
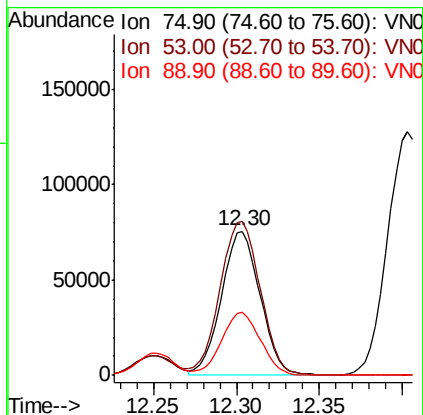
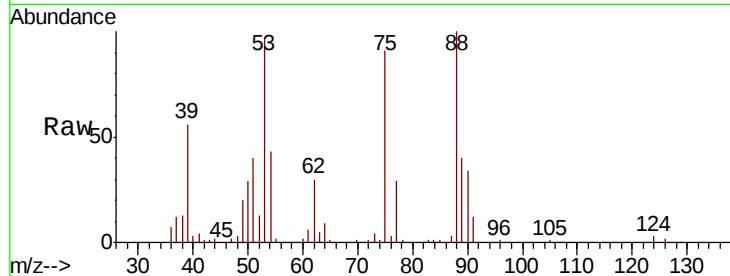
53 110.5 88.4 132.6

89 44.1 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.060 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057802.D

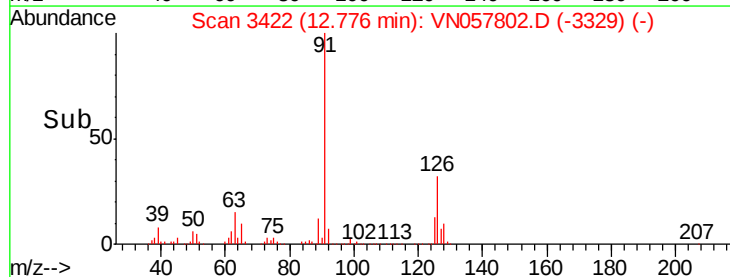
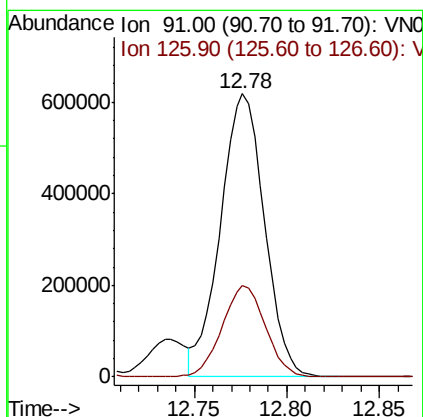
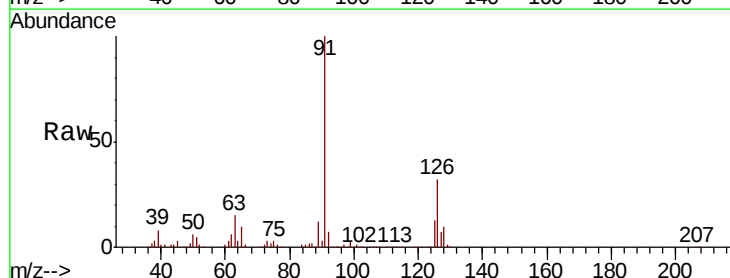
Acq: 9 Sep 2019 15:48

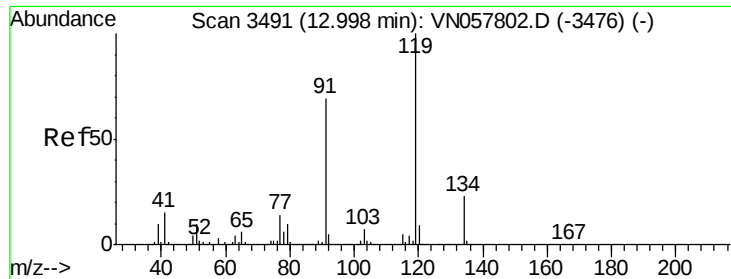
Tgt Ion: 91 Resp: 1013829

Ion Ratio Lower Upper

91 100

126 32.0 16.0 48.0





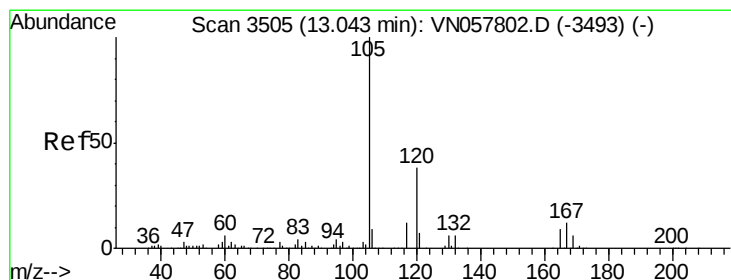
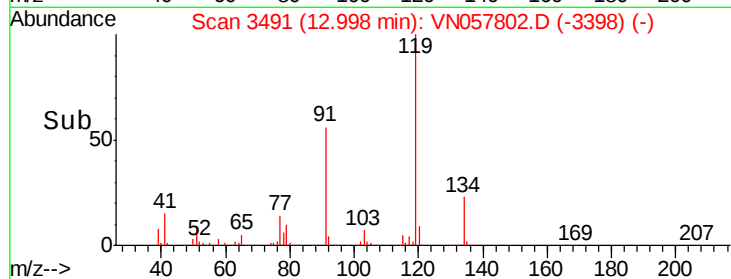
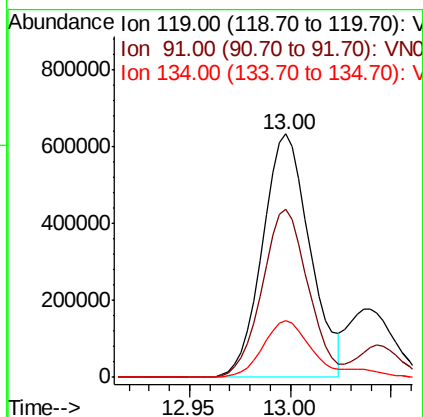
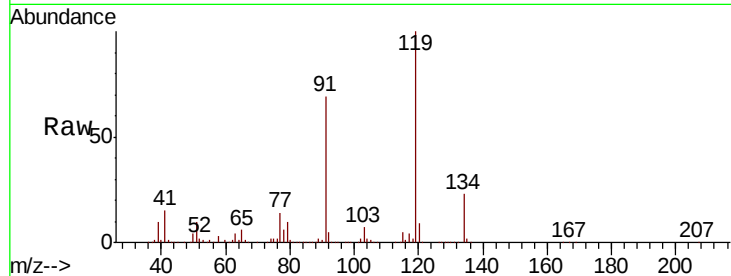
#83
tert-Butylbenzene
Concen: 47.301 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:119 Resp: 1034611
Ion Ratio Lower Upper
119 100
91 67.2 33.6 100.8
134 23.3 11.7 35.0

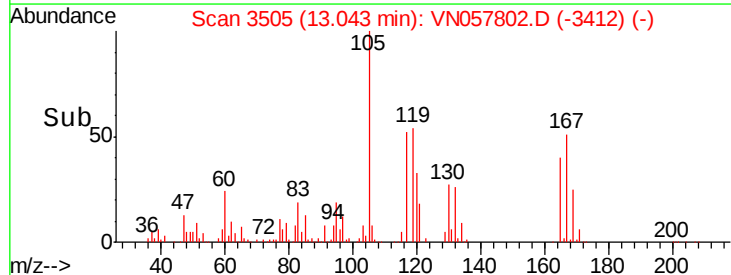
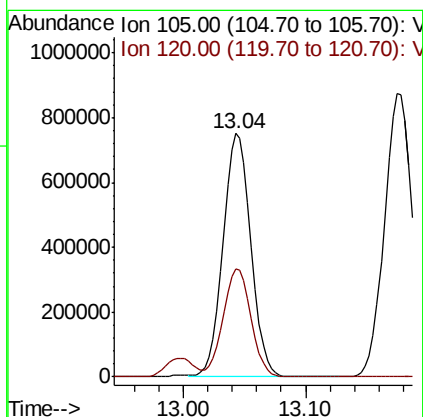
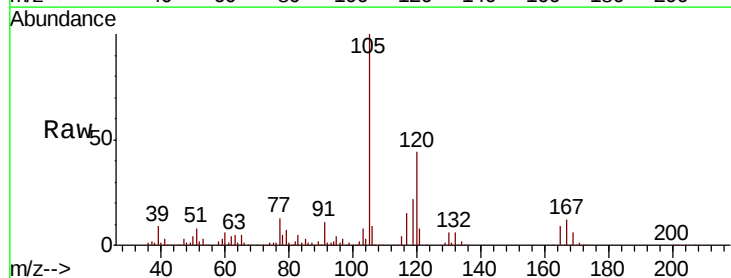
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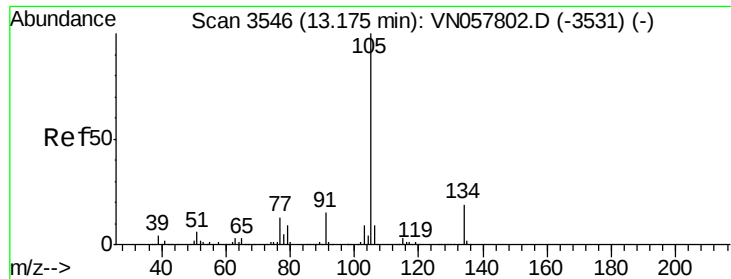
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#84
1,2,4-Trimethylbenzene
Concen: 47.063 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion:105 Resp: 1200465
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.2





#85

sec-Butylbenzene

Concen: 46.746 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1402159

Ion Ratio Lower Upper

105 100

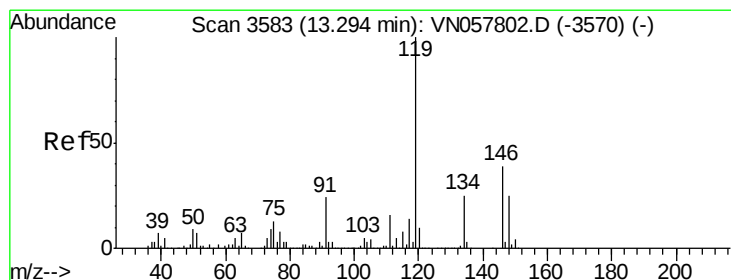
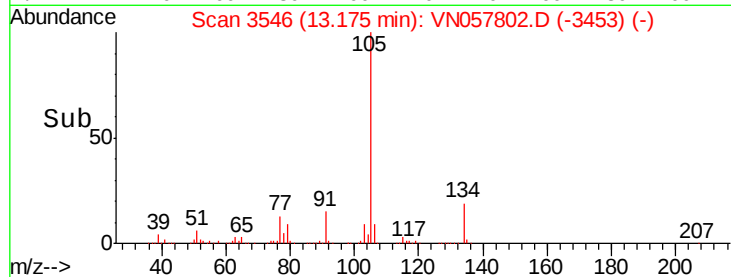
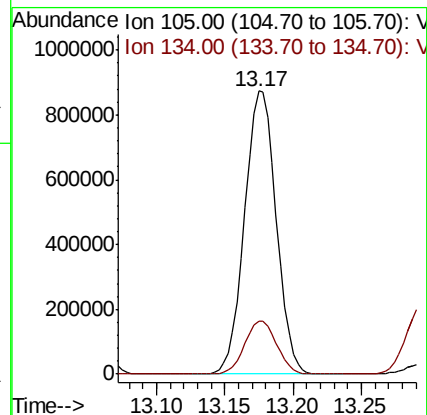
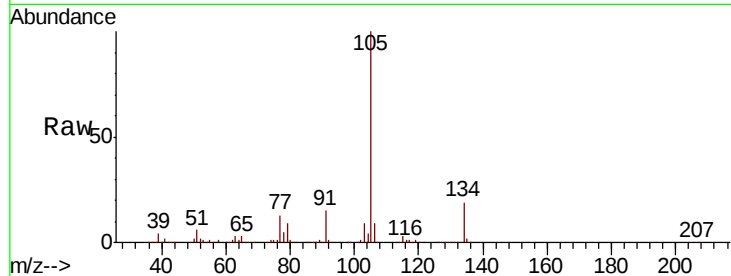
134 19.1 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.601 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

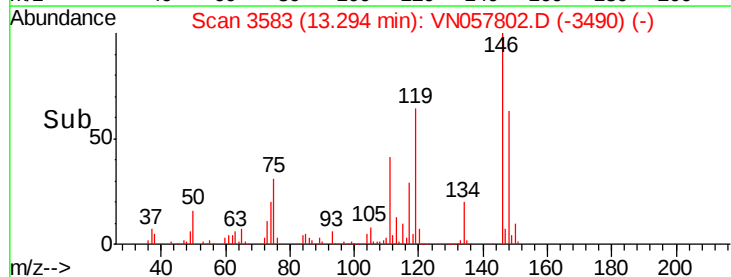
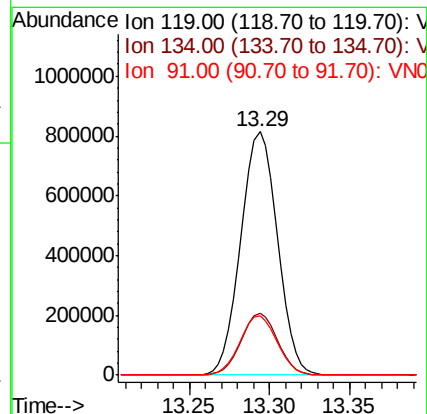
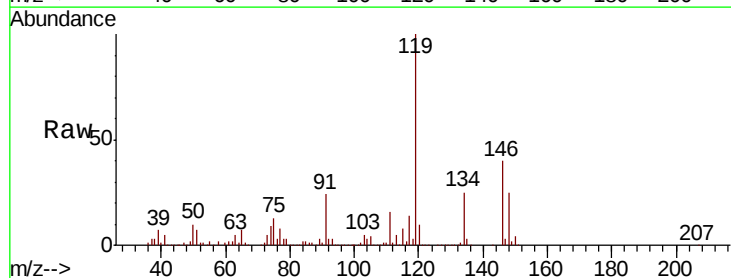
Tgt Ion:119 Resp: 1269697

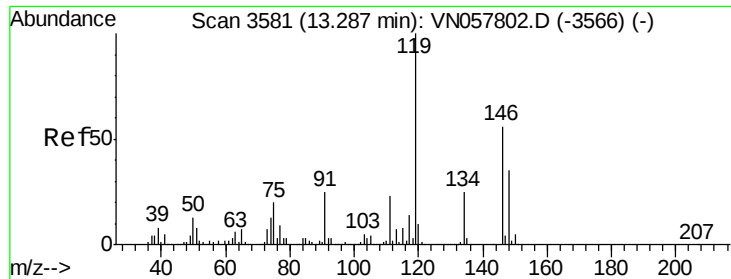
Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

91 24.5 12.3 36.8





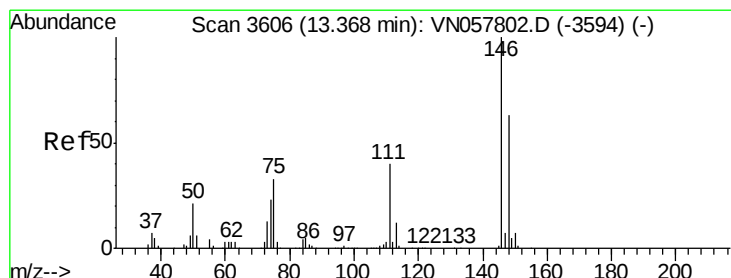
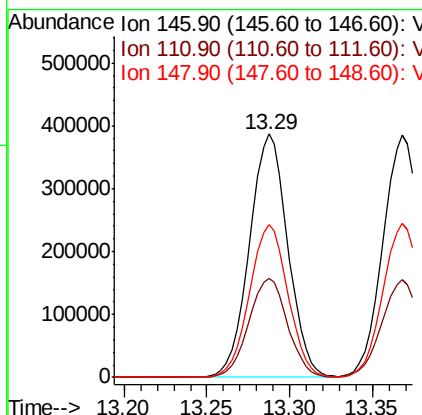
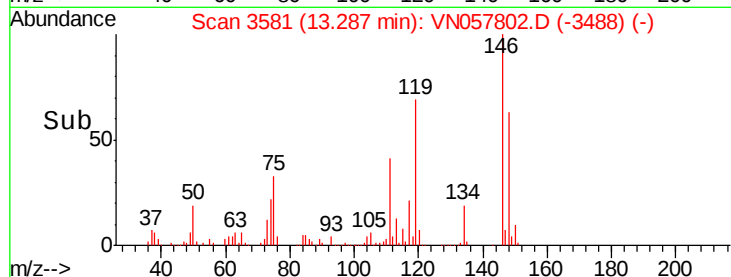
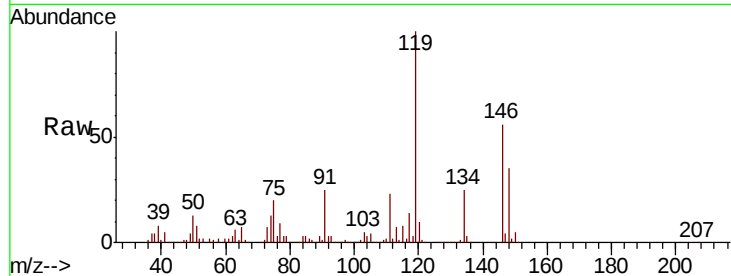
#87
 1,3-Dichlorobenzene
 Concen: 49.539 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	620850		
111	41.1	20.5	61.6	
148	63.0	31.5	94.5	

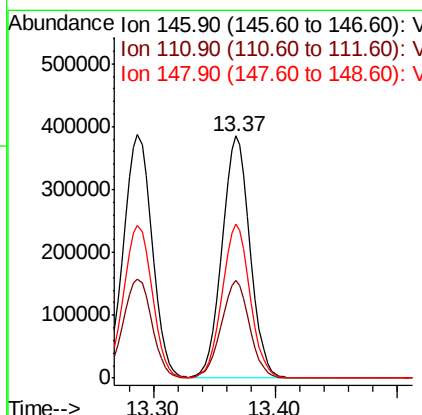
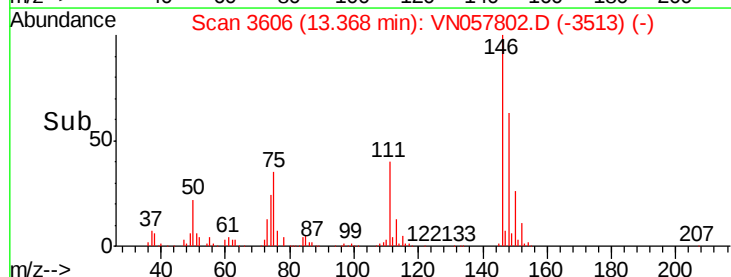
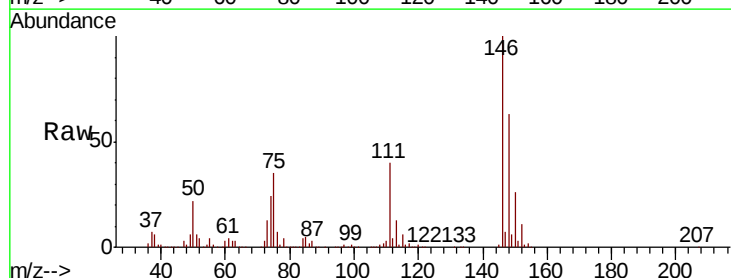
Manual Integrations
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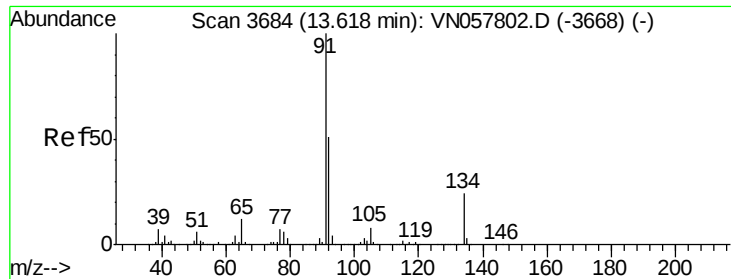
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 9/10/2019 4:30:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.296 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	617951		
111	40.8	20.4	61.2	
148	63.6	31.8	95.4	





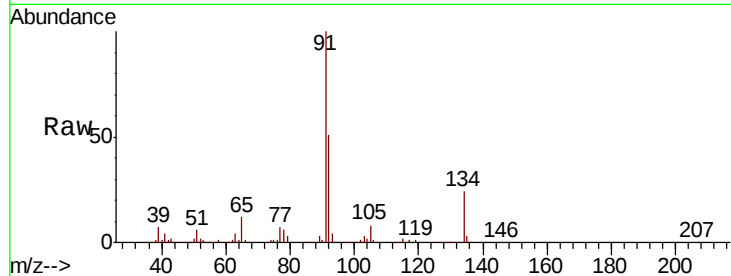
#89
n-Butylbenzene
Concen: 47.155 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

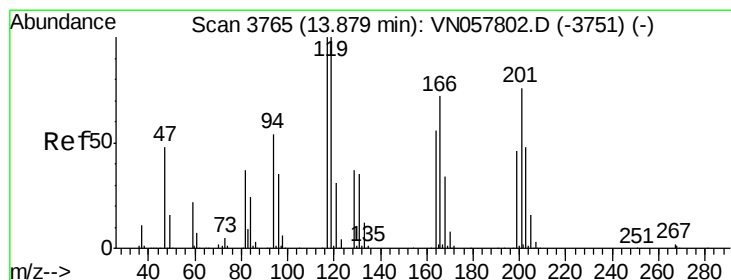
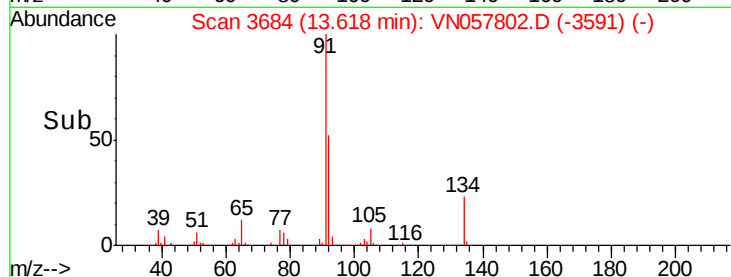
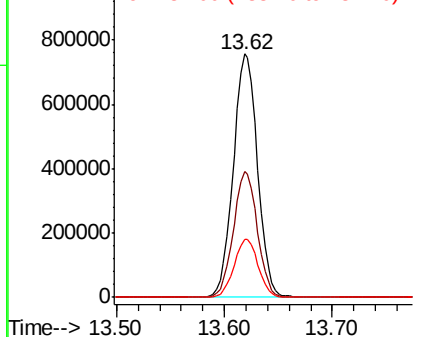
Tot Ion: 91 Resp: 1183267
Ion Ratio Lower Upper
91 100
92 51.3 25.7 77.0
134 23.8 11.9 35.7

Manual Integrations
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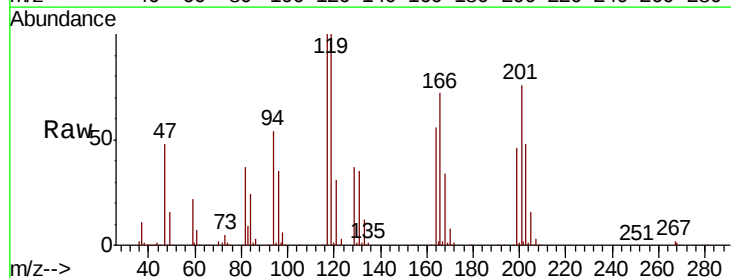


Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)

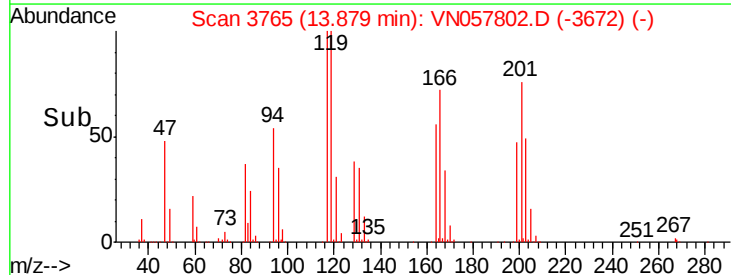
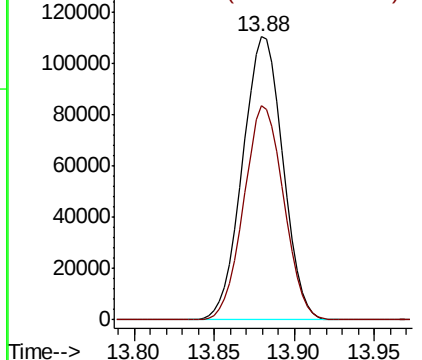


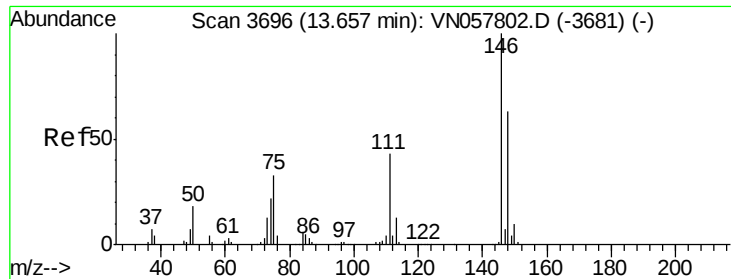
#90
Hexachloroethane
Concen: 48.140 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion: 117 Resp: 190282
Ion Ratio Lower Upper
117 100
201 75.1 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)
Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 50.236 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Instrument :

MSVOA_N

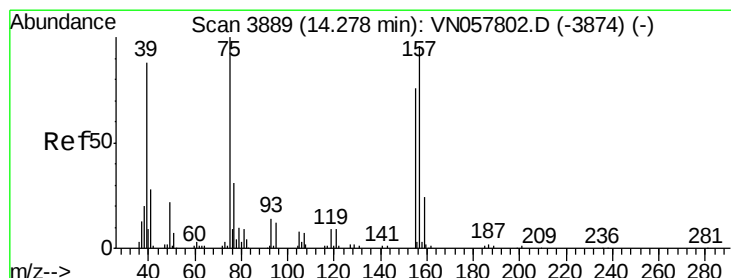
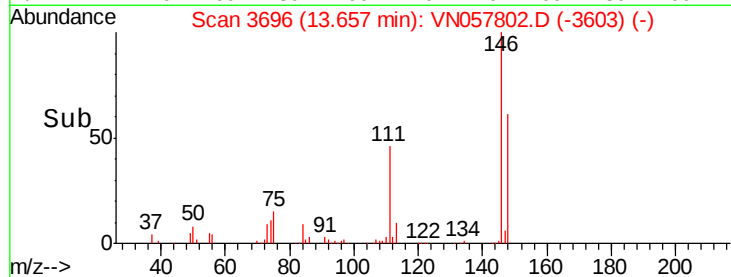
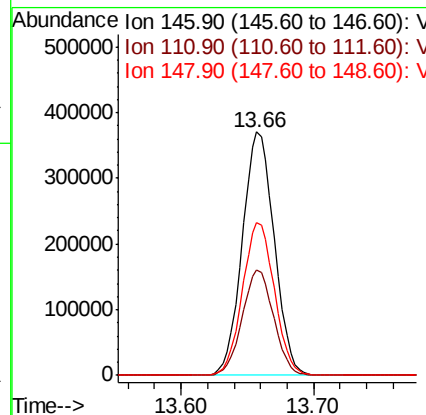
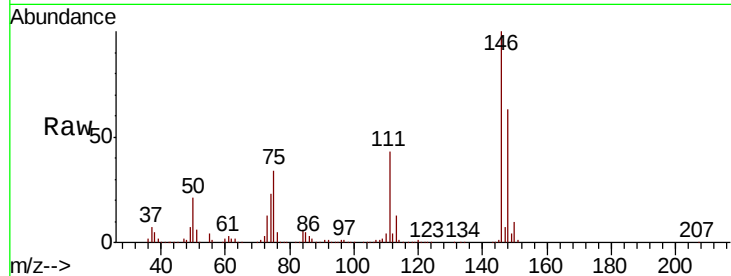
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	619154
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.3	63.9
148	62.9	31.4	94.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.935 ug/l

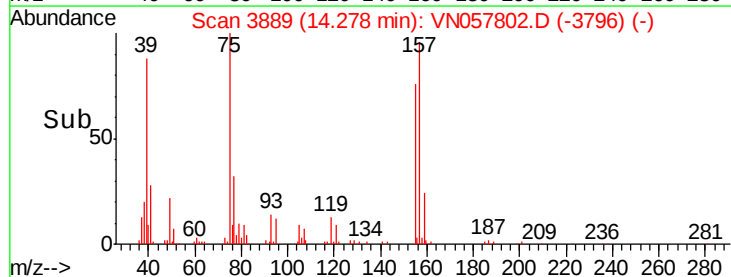
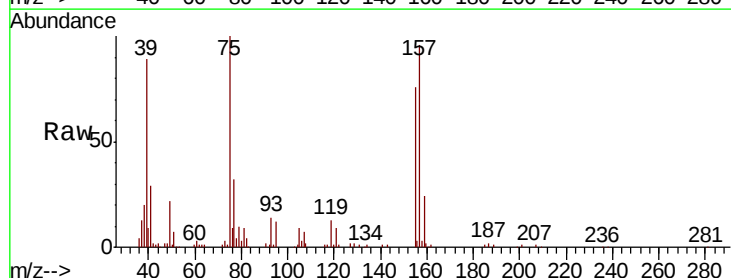
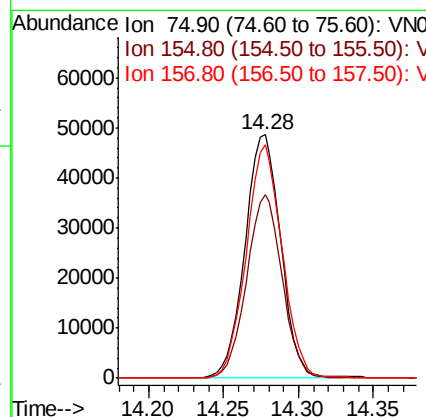
RT: 14.28 min Scan# 3889

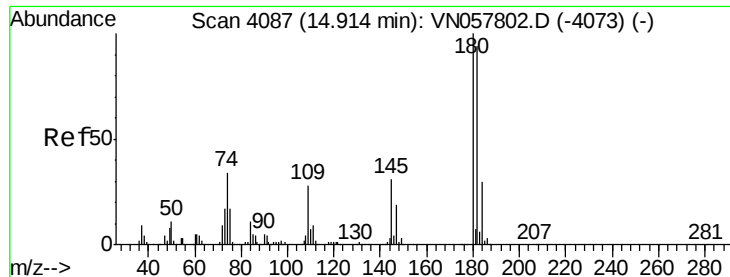
Delta R.T. 0.00 min

Lab File: VN057802.D

Acq: 9 Sep 2019 15:48

Tgt Ion:	75	Resp:	81118
Ion Ratio	Lower	Upper	
75	100		
155	74.5	37.3	111.8
157	95.9	47.9	143.8





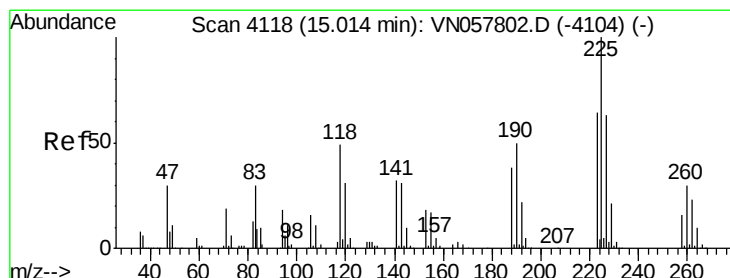
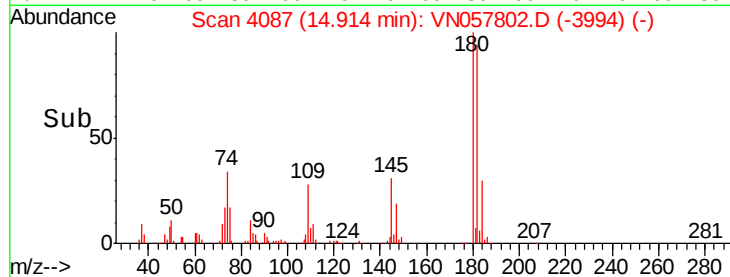
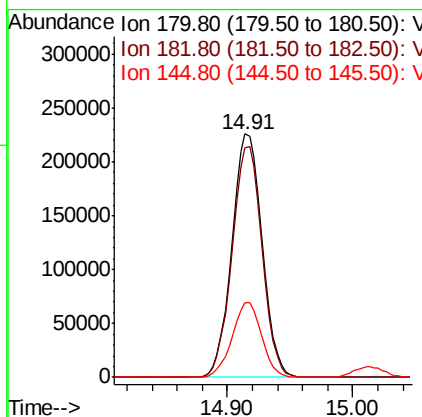
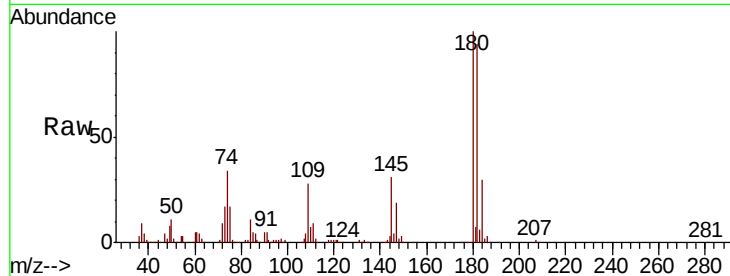
#93
 1,2,4-Trichlorobenzene
 Concen: 51.403 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	180	Resp:	378373
Ion Ratio	Lower	Upper	
180	100		
182	93.9	46.9	140.8
145	29.8	14.9	44.7

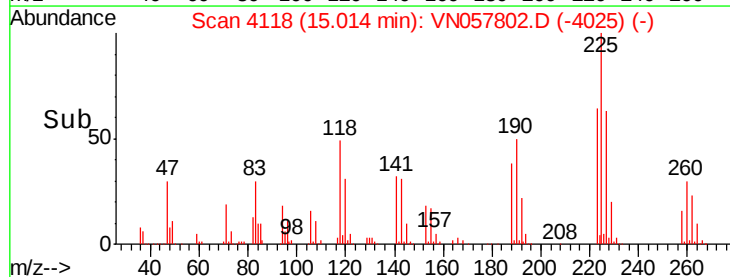
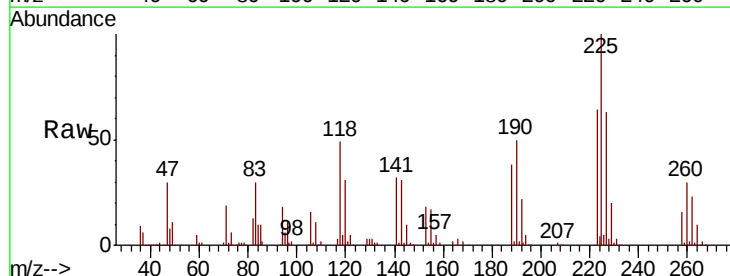
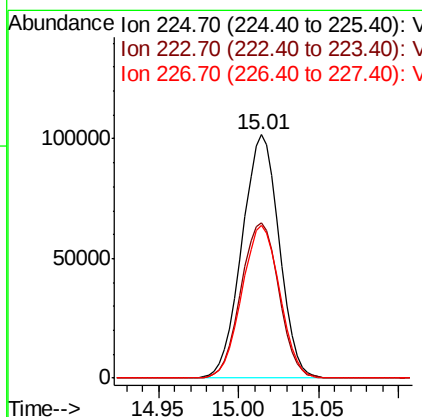
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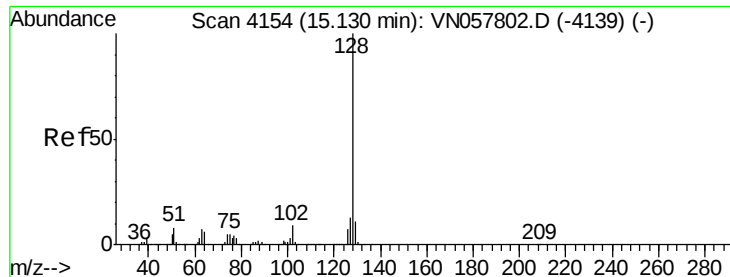
MMDadoda
 9/10/2019 4:30:05 PM



#94
 Hexachlorobutadiene
 Concen: 45.913 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057802.D
 Acq: 9 Sep 2019 15:48

Tgt Ion:	225	Resp:	161920
Ion Ratio	Lower	Upper	
225	100		
223	64.8	32.4	97.2
227	63.6	31.8	95.4





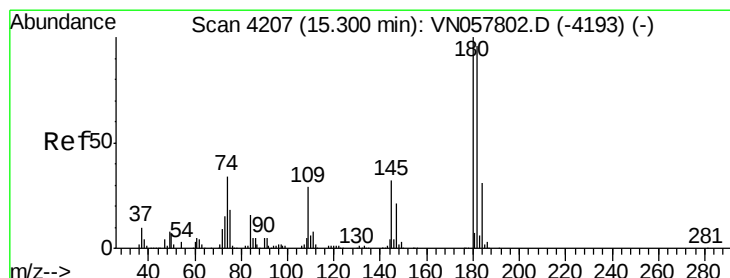
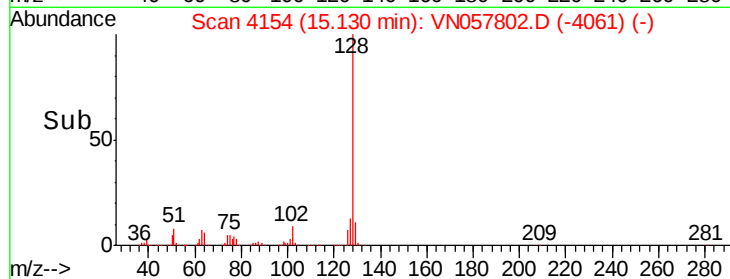
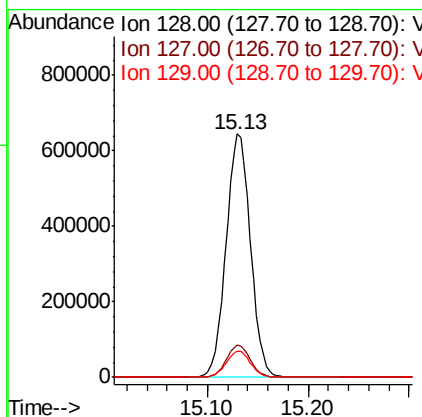
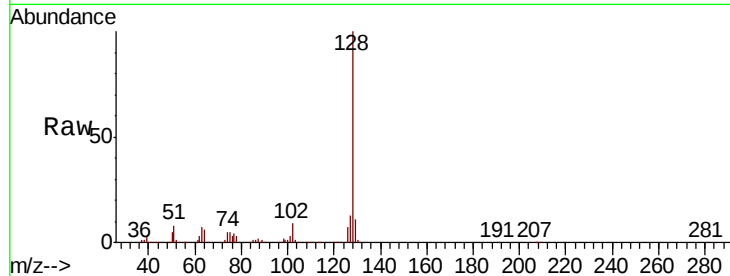
#95
Naphthalene
Concen: 50.976 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.918 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057802.D
Acq: 9 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.3	144.8
145	32.5	16.3	48.8

