

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057861.D
 Acq On : 10 Sep 2019 14:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:06 AM

Quant Time: Sep 11 04:07:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	325712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	527967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	312561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	325997	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.57	113	239483	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.08	98	981110	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.40	95	353157	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	225500	50.061	ug/l	99
3) Chloromethane	2.03	50	205665	44.797	ug/l	99
4) Vinyl Chloride	2.16	62	224394	46.182	ug/l	100
5) Bromomethane	2.54	94	131746	49.320	ug/l	96
6) Chloroethane	2.68	64	145319	46.934	ug/l	99
7) Trichlorofluoromethane	2.99	101	274495	44.891	ug/l	98
8) Diethyl Ether	3.39	74	117467	46.059	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185928	48.200	ug/l	99
10) Methyl Iodide	3.93	142	192307	44.801	ug/l	98
11) Tert butyl alcohol	4.76	59	173793	217.662	ug/l	100
12) 1,1-Dichloroethene	3.71	96	156502	45.124	ug/l	98
13) Acrolein	3.58	56	144006	212.585	ug/l	100
14) Allyl chloride	4.30	41	306438	45.148	ug/l	99
15) Acrylonitrile	4.96	53	517382	235.750	ug/l	99
16) Acetone	3.80	43	529023	244.620	ug/l	98
17) Carbon Disulfide	4.02	76	241980	44.844	ug/l	99
18) Methyl Acetate	4.30	43	270901	46.981	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	705092	48.851	ug/l	99
20) Methylene Chloride	4.52	84	216366	52.618	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	169886	45.313	ug/l	95
22) Diisopropyl ether	5.93	45	789965	49.630	ug/l	99
23) Vinyl Acetate	5.87	43	2905308	257.552	ug/l	99
24) 1,1-Dichloroethane	5.82	63	416961	47.931	ug/l	99
25) 2-Butanone	6.81	43	747202	238.716	ug/l	100
26) 2,2-Dichloropropane	6.81	77	341724	49.638	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	240066	47.780	ug/l	98
28) Bromochloromethane	7.17	49	209603	48.229	ug/l	97
29) Tetrahydrofuran	7.19	42	449063	232.823	ug/l	100
30) Chloroform	7.35	83	436580	47.999	ug/l	97
31) Cyclohexane	7.63	56	302799	51.129	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	351140	48.676	ug/l	99
36) 1,1-Dichloropropene	7.78	75	287183	46.902	ug/l	99
37) Ethyl Acetate	6.91	43	287458	45.439	ug/l	99
38) Carbon Tetrachloride	7.76	117	277820	49.697	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	303324	47.124	ug/l	99
40) Benzene	8.03	78	897536	48.688	ug/l	99
41) Methacrylonitrile	7.16	41	131267m	45.711	ug/l	
42) 1,2-Dichloroethane	8.11	62	363348	49.284	ug/l	100
43) Isopropyl Acetate	8.15	43	531225	49.934	ug/l #	90
44) Trichloroethene	8.82	130	218590	48.346	ug/l	100
45) 1,2-Dichloropropane	9.11	63	268873	50.125	ug/l	96
46) Dibromomethane	9.20	93	160564	49.535	ug/l	100
47) Bromodichloromethane	9.39	83	336977	52.061	ug/l	98
48) Methyl methacrylate	9.19	41	262283	48.601	ug/l	100
49) 1,4-Dioxane	9.19	88	82721	906.417	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1603756	254.741	ug/l	100
52) Toluene	10.15	92	582542	50.173	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	362028	53.113	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	388634	51.642	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	247094	50.241	ug/l	99
56) Ethyl methacrylate	10.43	69	372946	50.356	ug/l	99
57) 1,3-Dichloropropane	10.71	76	421441	49.723	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	893778	256.225	ug/l	99
59) 2-Hexanone	10.75	43	1197130	253.693	ug/l	100
60) Dibromochloromethane	10.90	129	241621	52.906	ug/l	98
61) 1,2-Dibromoethane	11.00	107	234616	50.459	ug/l	99
64) Tetrachloroethene	10.63	164	176081	46.729	ug/l	100
65) Chlorobenzene	11.43	112	649679	48.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	233274	50.334	ug/l	98
67) Ethyl Benzene	11.51	91	1187278	50.723	ug/l	99
68) m/p-Xylenes	11.62	106	868402	101.283	ug/l	100
69) o-Xylene	11.95	106	428292	50.246	ug/l	97
70) Styrene	11.97	104	769156	52.433	ug/l	100
71) Bromoform	12.13	173	146921	50.848	ug/l #	96
73) Isopropylbenzene	12.25	105	1206479	49.744	ug/l	99
74) N-amyl acetate	12.07	43	503711	47.721	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	370722	45.397	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	328521m	46.462	ug/l	
77) Bromobenzene	12.53	156	280953	46.462	ug/l	98
78) n-propylbenzene	12.59	91	1437467	51.613	ug/l	100
79) 2-Chlorotoluene	12.68	91	843041	47.893	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1047698	51.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	99161	49.352	ug/l	96
82) 4-Chlorotoluene	12.78	91	891417	49.313	ug/l	100
83) tert-Butylbenzene	13.00	119	895050	49.134	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1069080	51.329	ug/l	98
85) sec-Butylbenzene	13.18	105	1240599	51.383	ug/l	99
86) p-Isopropyltoluene	13.29	119	1125948	52.927	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	544738	49.079	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	550453	48.858	ug/l	99
89) n-Butylbenzene	13.62	91	1066301	53.076	ug/l	100
90) Hexachloroethane	13.88	117	165892	52.434	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	542169	48.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	65057	48.240	ug/l	98

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VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	338113	46.651	ug/l	99
94) Hexachlorobutadiene	15.01	225	150183	48.882	ug/l	98
95) Naphthalene	15.13	128	931646	50.947	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	316769	50.062	ug/l	98

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

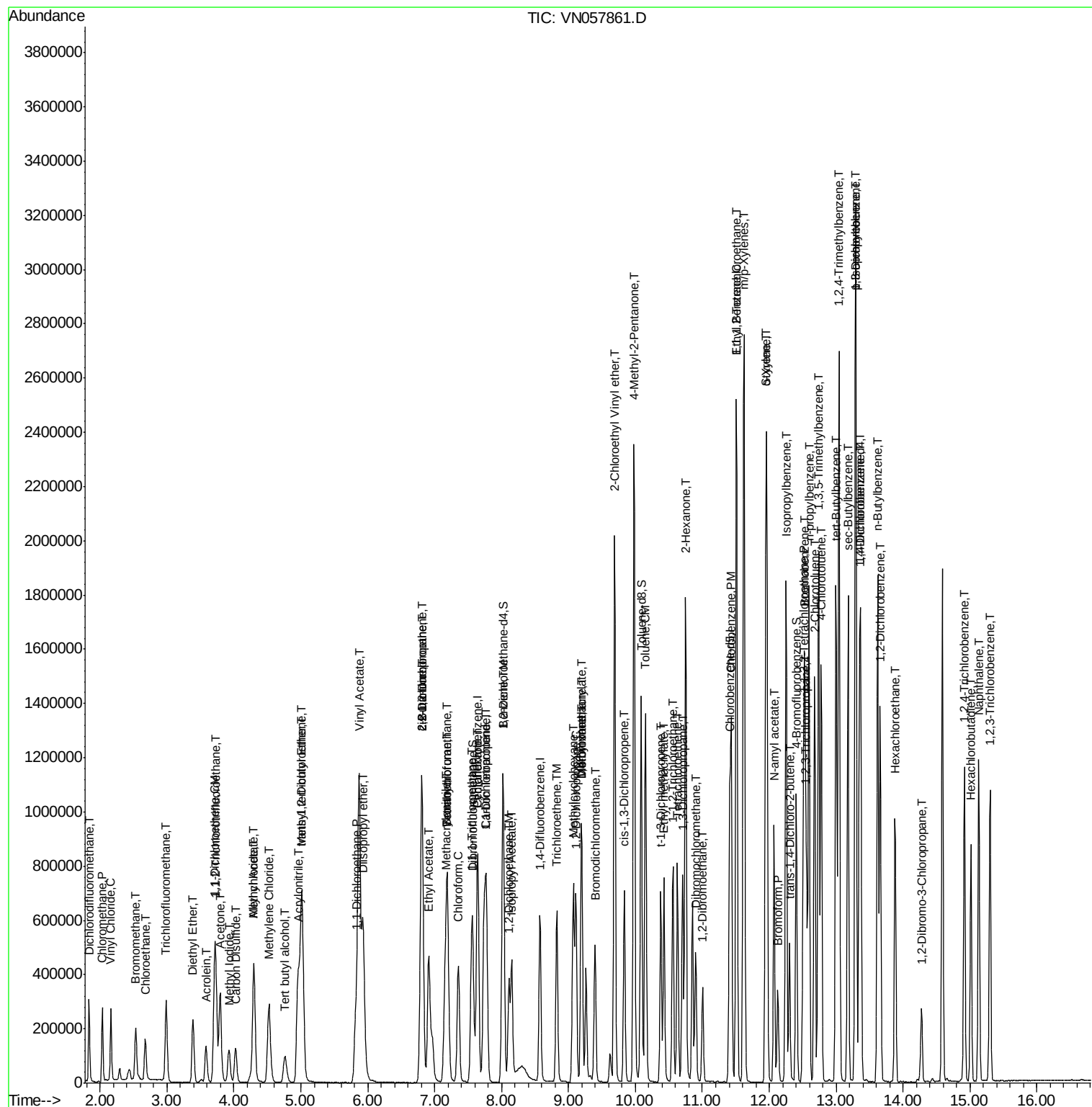
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057861.D
Acq On : 10 Sep 2019 14:42
Operator : JC/SP
Sample : VSTDC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

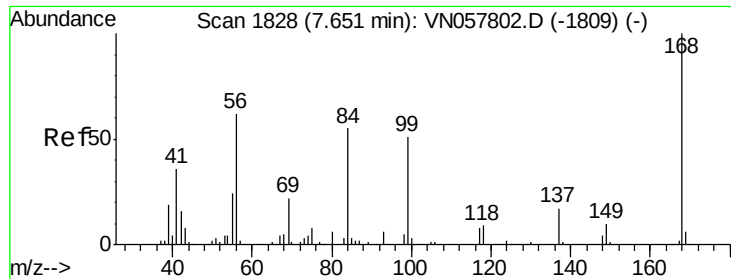
Instrument :
MSVOA_N
ClientSampleId :
VSTDC050

Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 325712

Ion Ratio Lower Upper

168 100

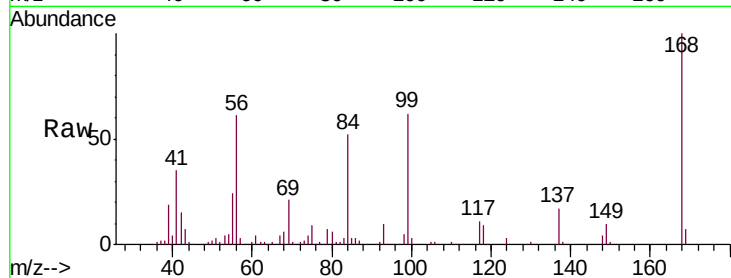
99 61.2 48.0 72.0

Manual Integrations

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9/13/2019 7:06:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

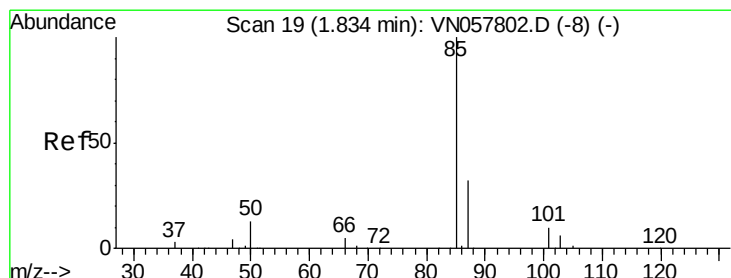
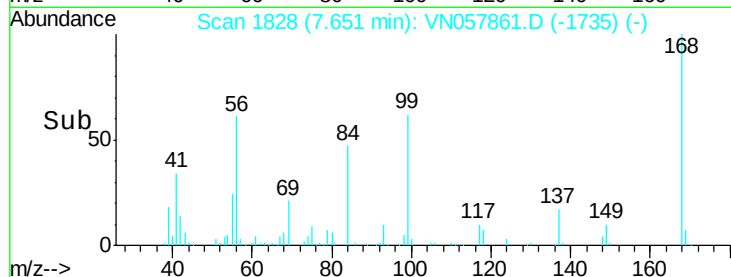
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.061 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057861.D

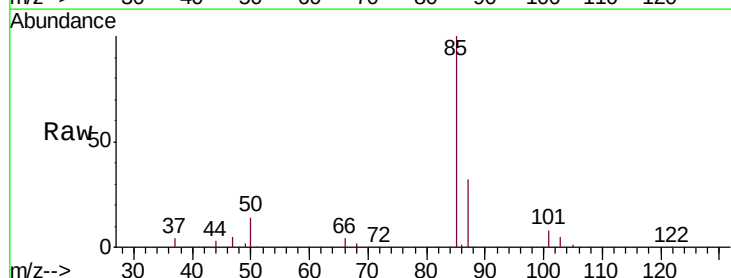
Acq: 10 Sep 2019 14:42

Tgt Ion: 85 Resp: 225500

Ion Ratio Lower Upper

85 100

87 31.6 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

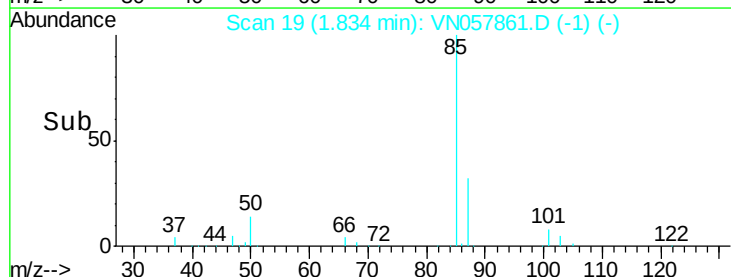
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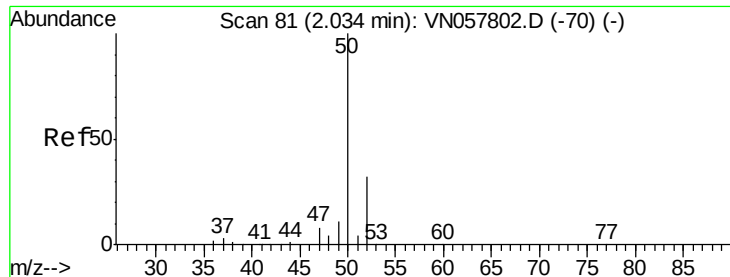
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.797 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 205665

Ion Ratio Lower Upper

50 100

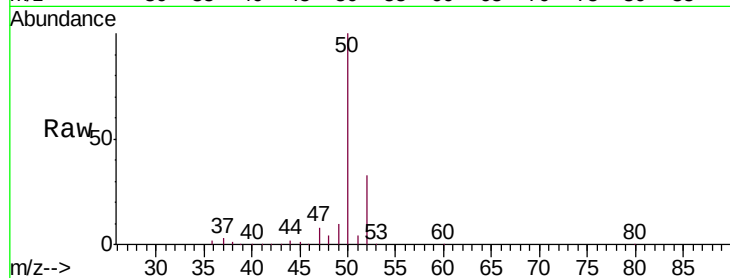
52 32.6 25.5 38.3

Manual Integrations

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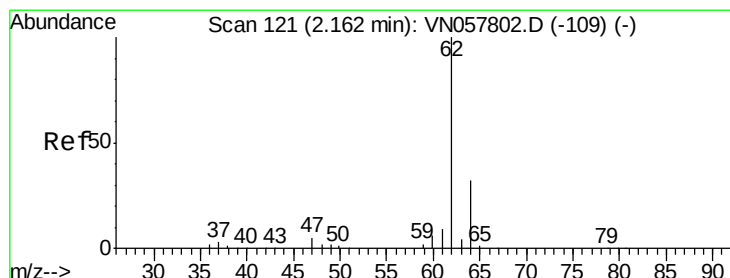
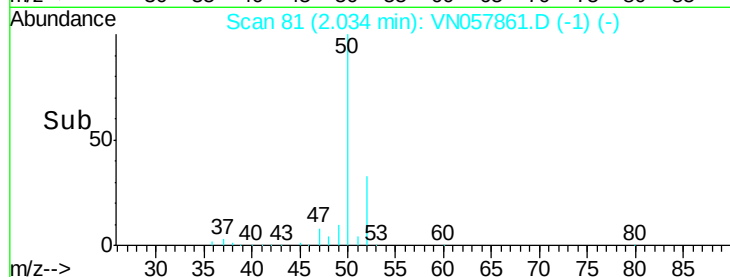
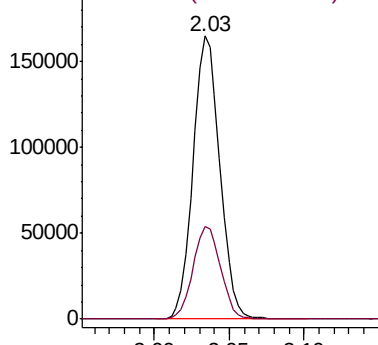
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.182 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057861.D

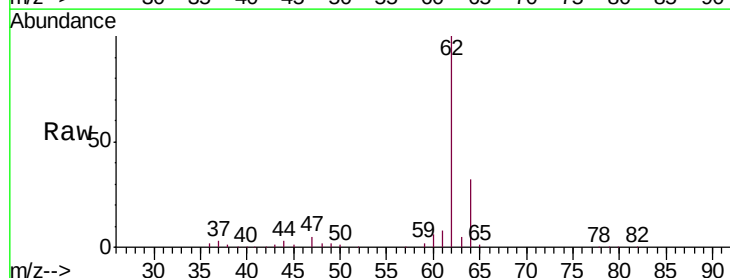
Acq: 10 Sep 2019 14:42

Tgt Ion: 62 Resp: 224394

Ion Ratio Lower Upper

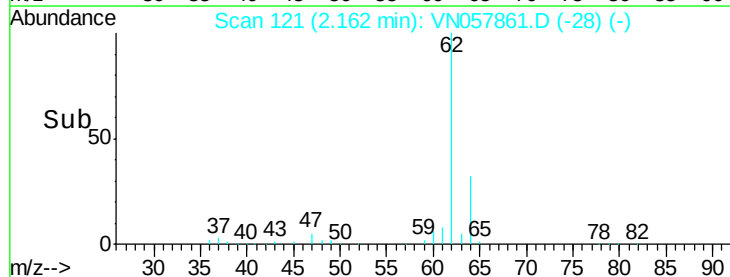
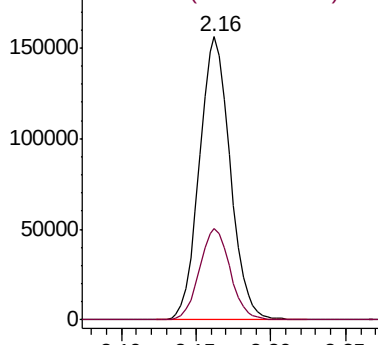
62 100

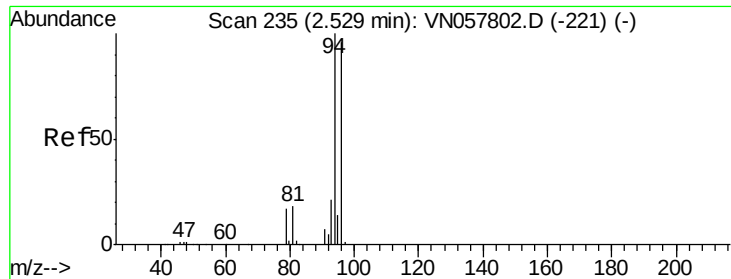
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 49.320 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 131746

Ion Ratio Lower Upper

94 100

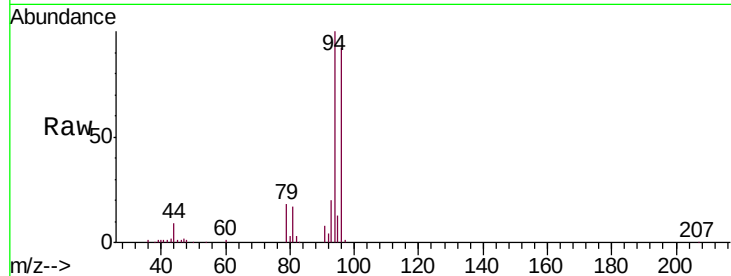
96 92.0 77.0 115.4

Manual Integrations

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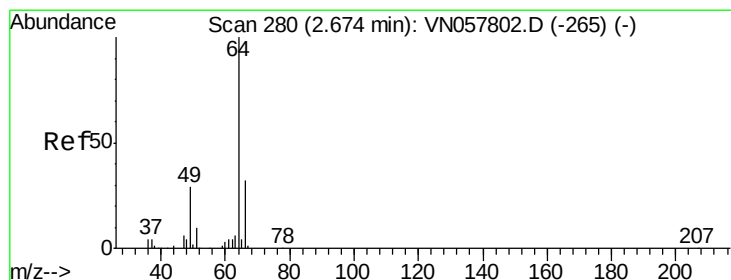
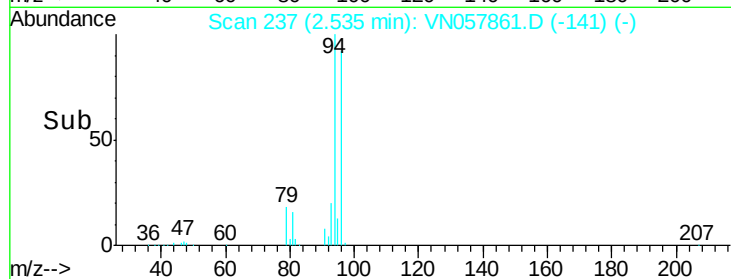
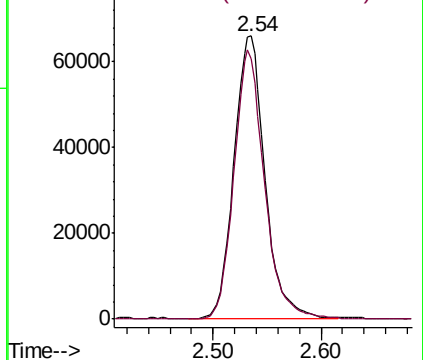
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.934 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057861.D

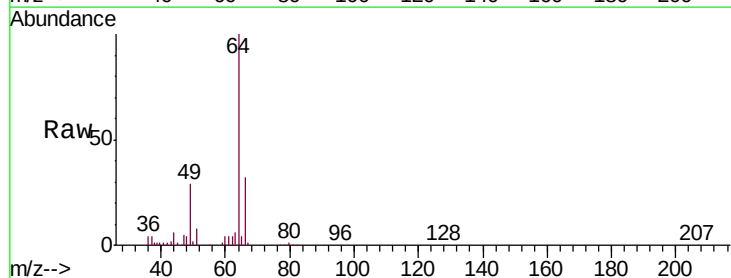
Acq: 10 Sep 2019 14:42

Tgt Ion: 64 Resp: 145319

Ion Ratio Lower Upper

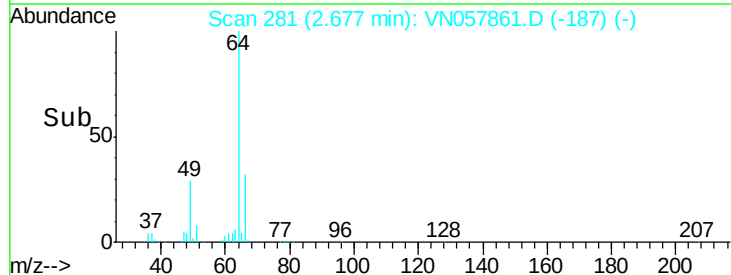
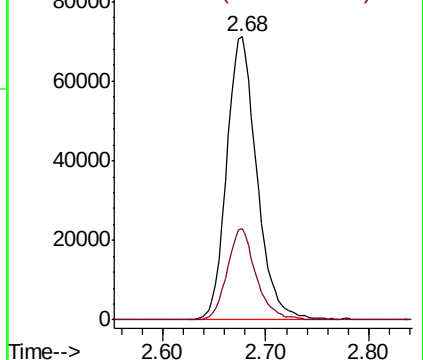
64 100

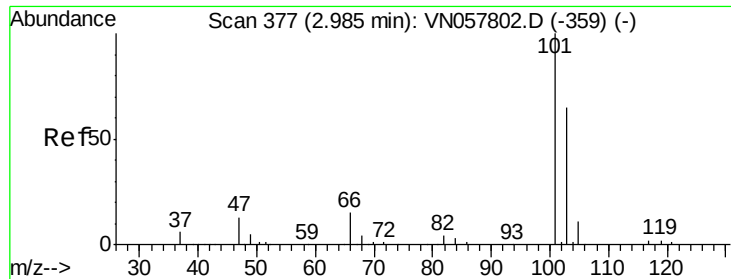
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

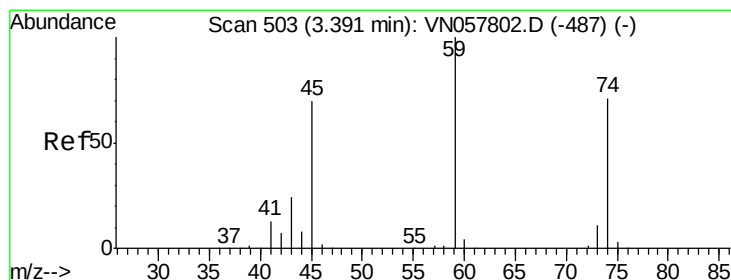
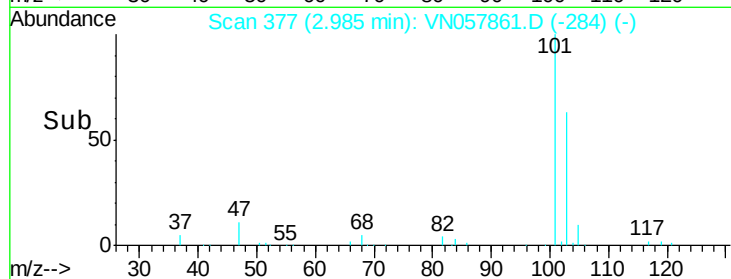
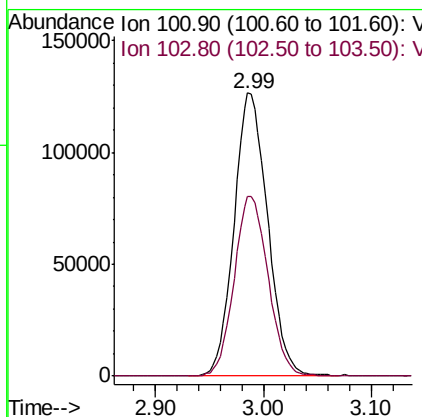
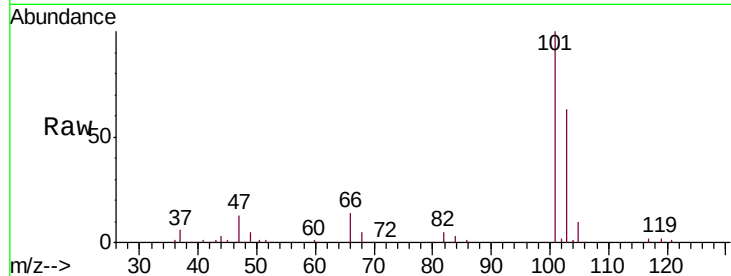
Trichlorofluoromethane
 Concen: 44.891 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	274495		
103	63.4	51.9	77.9	

Manual Integrations
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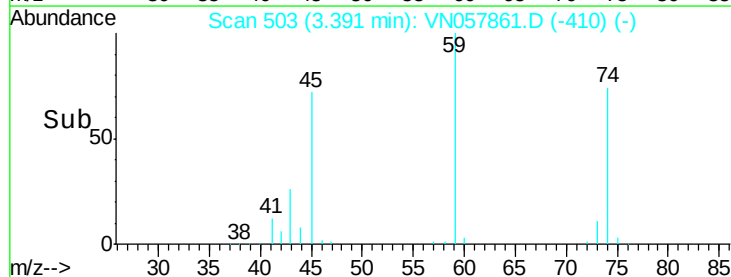
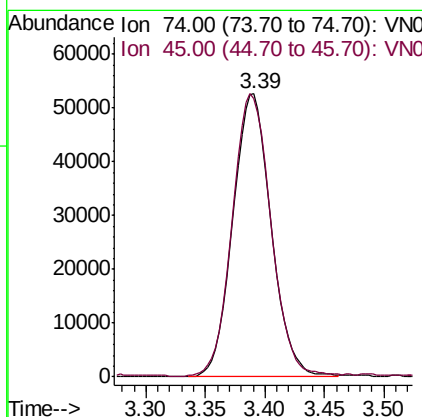
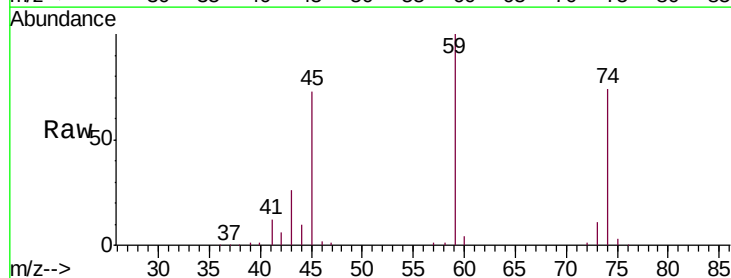
MMDadoda
 9/13/2019 7:06:06 AM

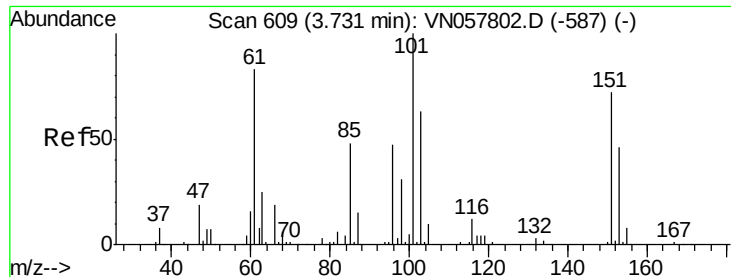


#8

Diethyl Ether
 Concen: 46.059 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	117467		
45	101.6	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.200 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

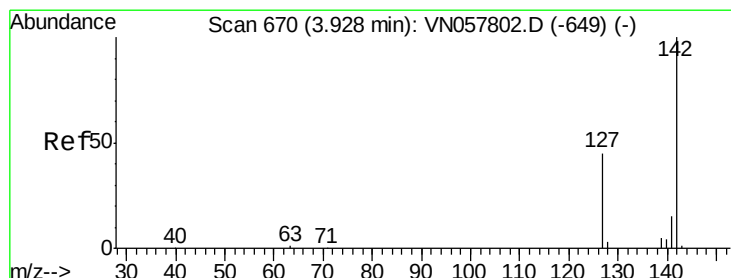
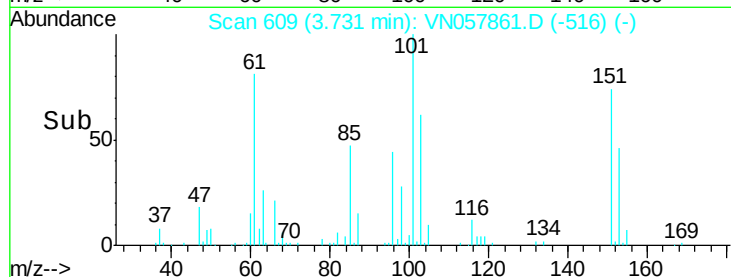
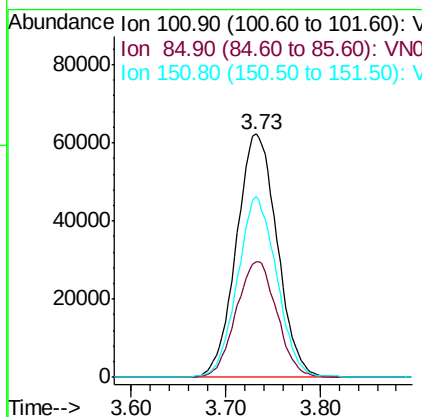
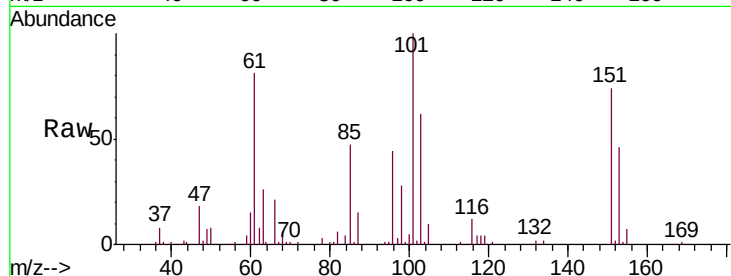
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	185928
Ion Ratio	Lower	Upper	
101	100		
85	47.6	38.1	57.1
151	71.6	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 44.801 ug/l

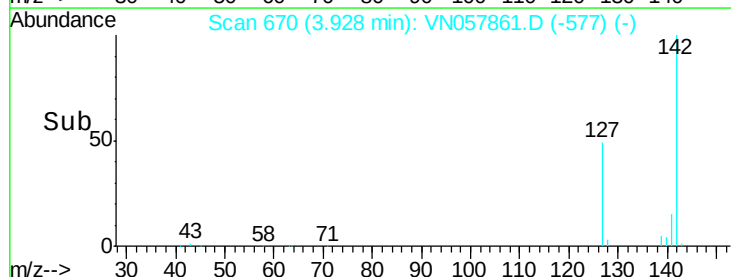
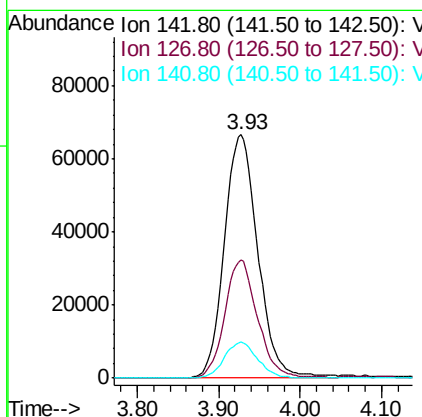
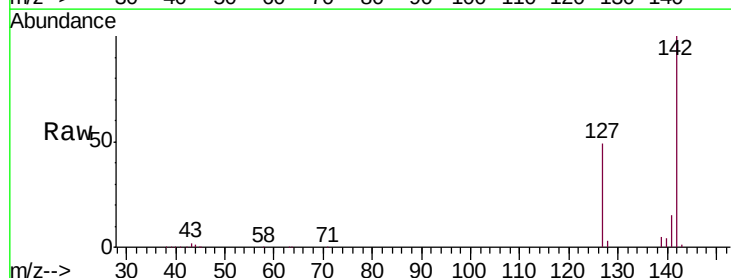
RT: 3.93 min Scan# 670

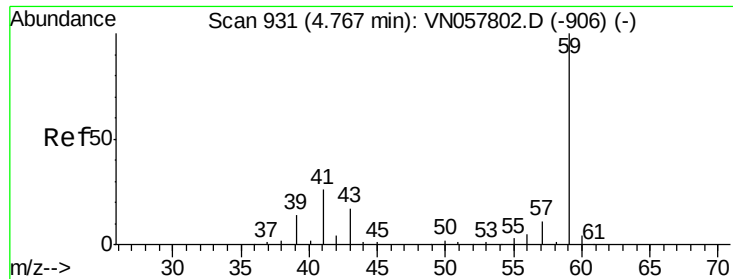
Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Tgt Ion:	142	Resp:	192307
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.7	55.1
141	14.6	11.4	17.0





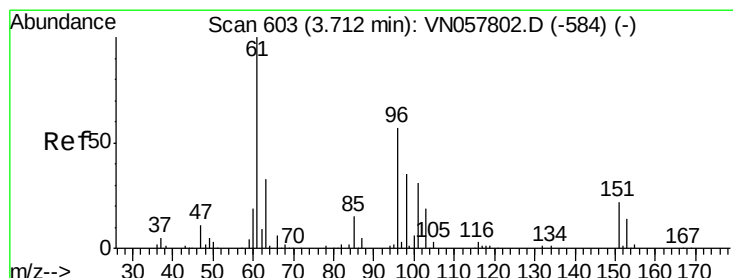
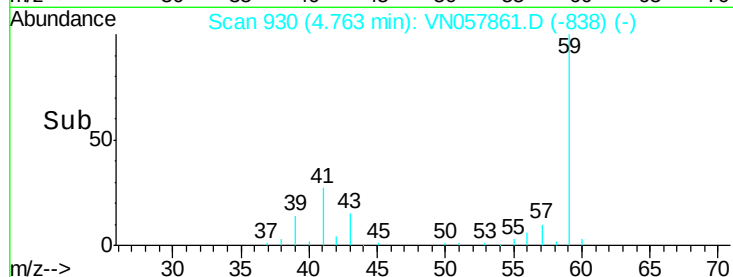
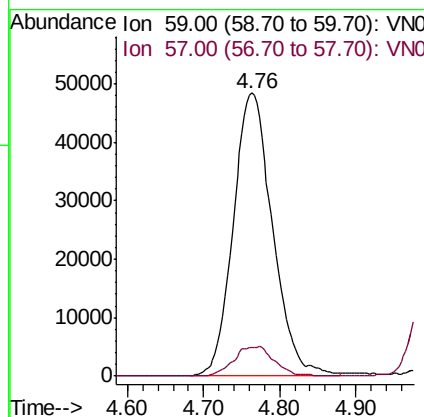
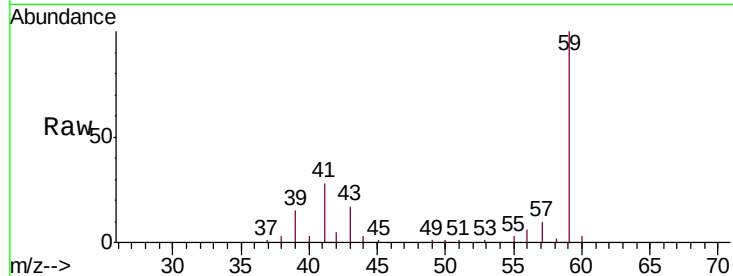
#11
Tert butyl alcohol
Concen: 217.662 ug/l
RT: 4.76 min Scan# 930
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 173793
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

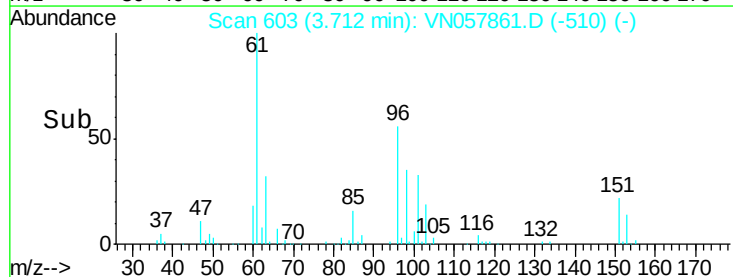
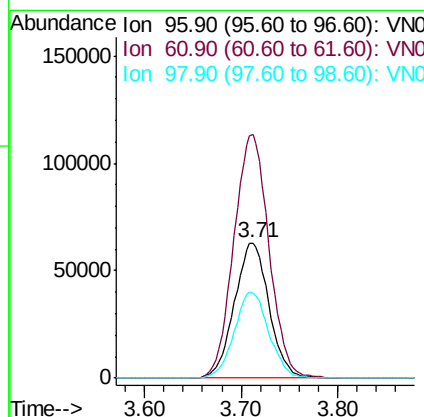
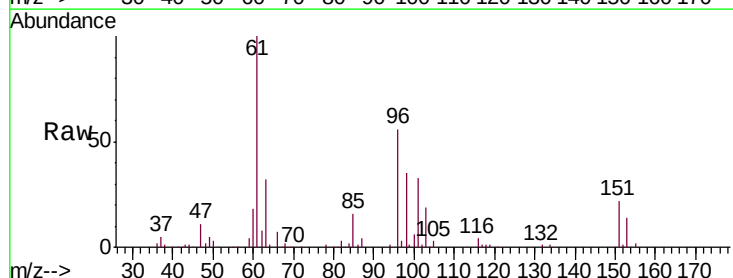
Manual Integrations
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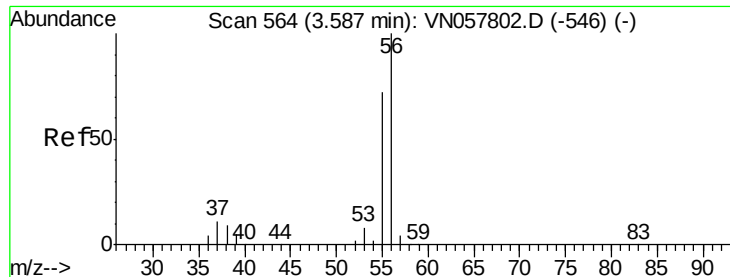
MMDadoda
9/13/2019 7:06:06 AM



#12
1,1-Dichloroethene
Concen: 45.124 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion: 96 Resp: 156502
Ion Ratio Lower Upper
96 100
61 180.1 141.2 211.8
98 63.2 49.9 74.9





#13

Acrolein

Concen: 212.585 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 144006

Ion Ratio Lower Upper

56 100

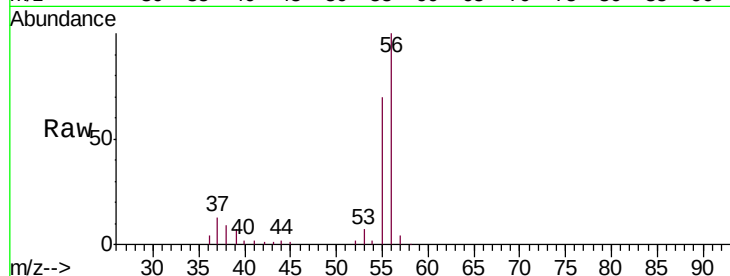
55 71.9 57.3 85.9

Manual Integrations

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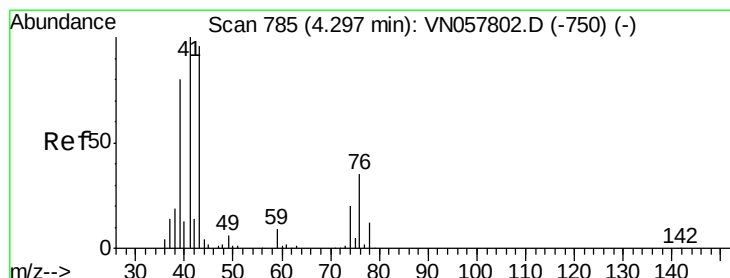
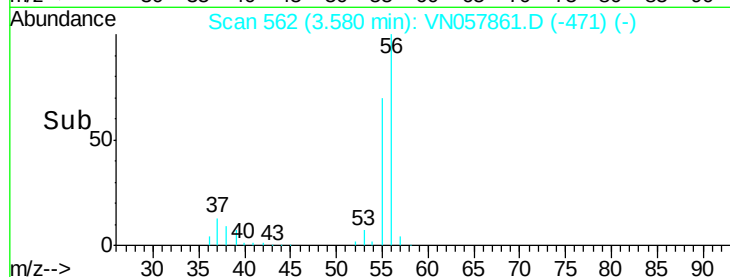
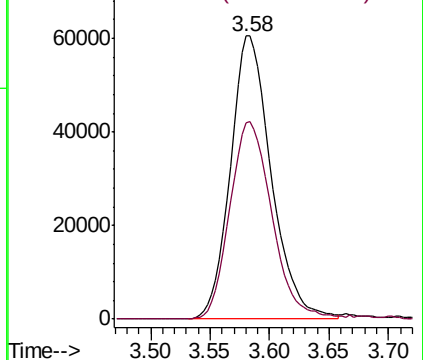
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.148 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

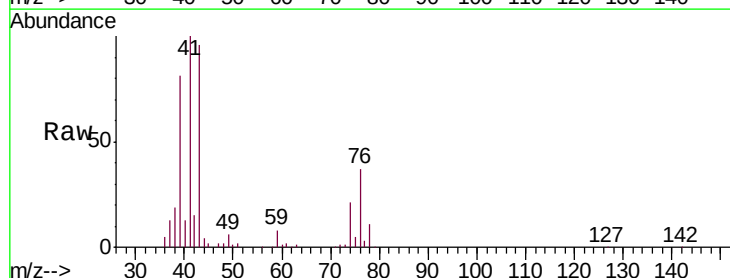
Tgt Ion: 41 Resp: 306438

Ion Ratio Lower Upper

41 100

39 75.1 59.4 89.2

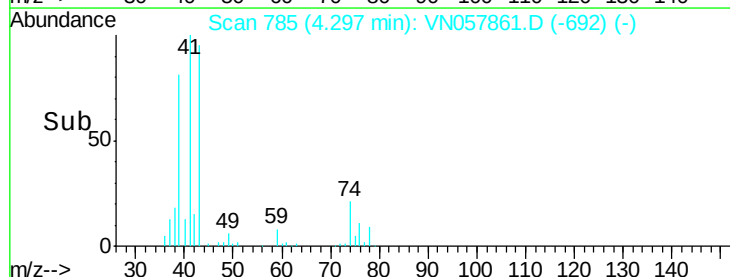
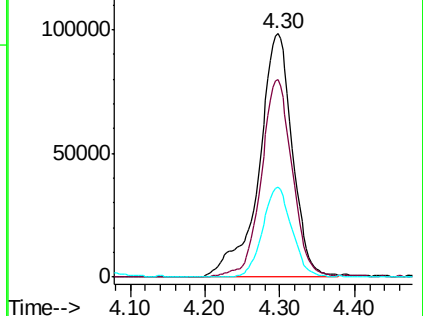
76 32.1 26.0 39.0

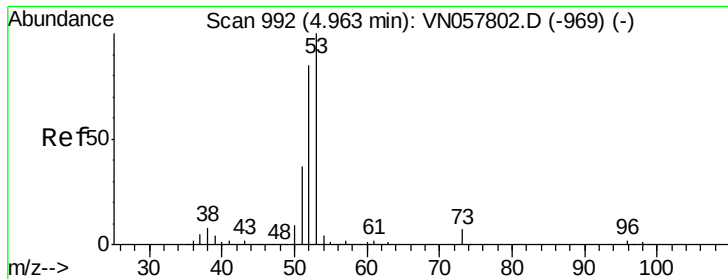


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 235.750 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

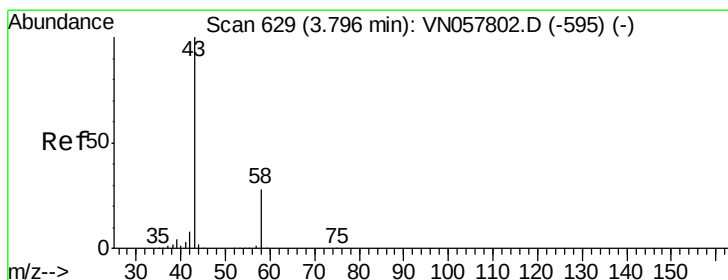
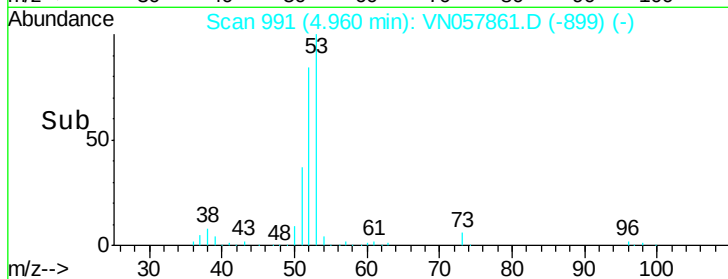
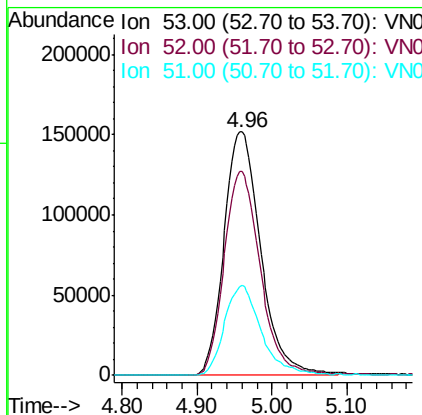
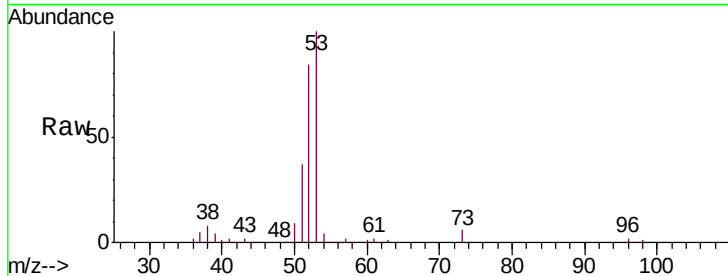
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	517382
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.6	100.0
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 244.620 ug/l

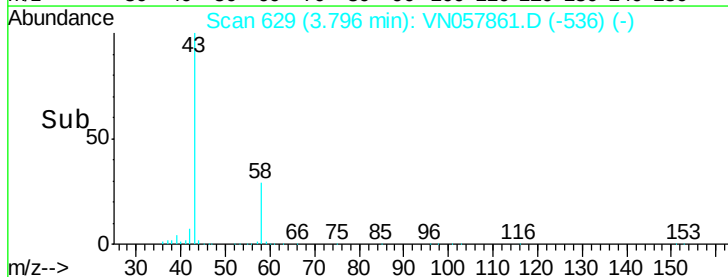
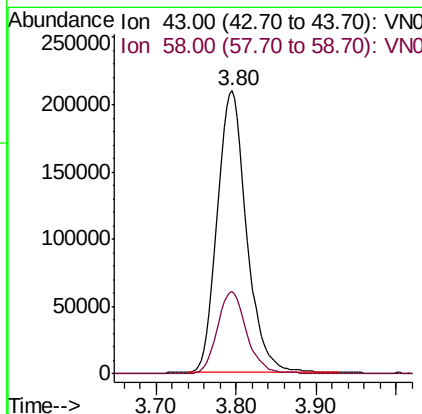
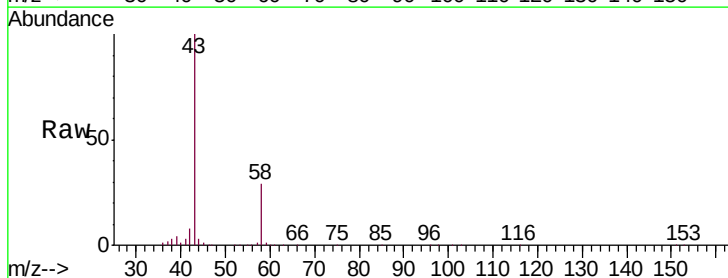
RT: 3.80 min Scan# 629

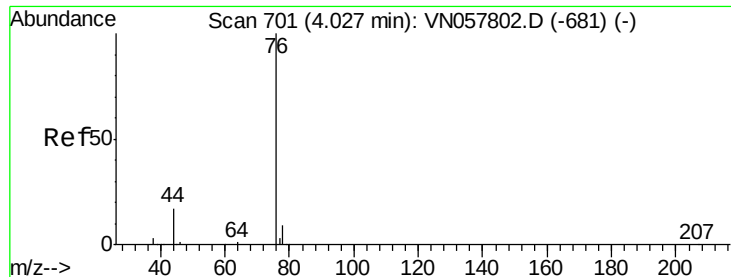
Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Tgt Ion:	43	Resp:	529023
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.2	33.2





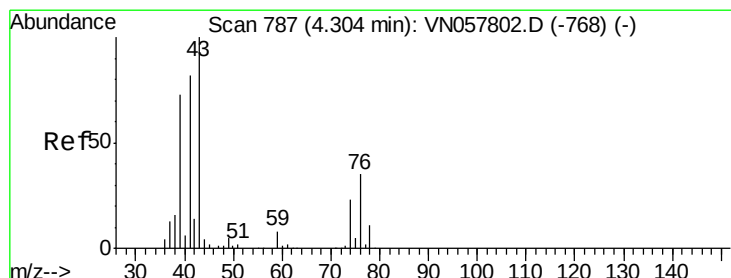
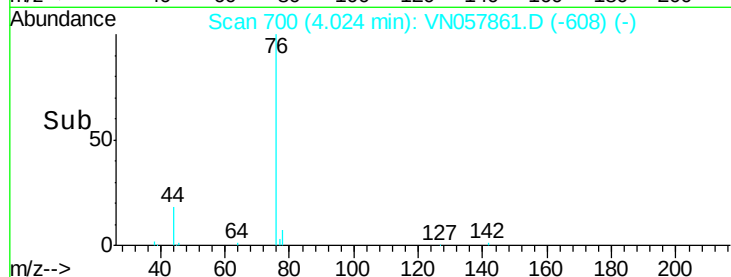
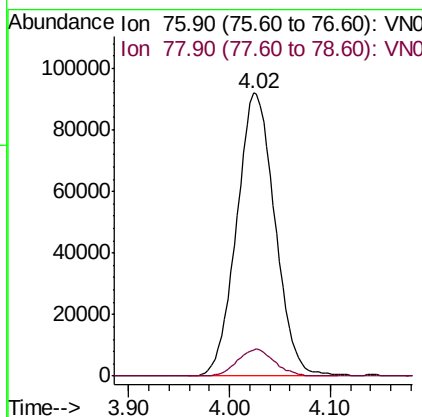
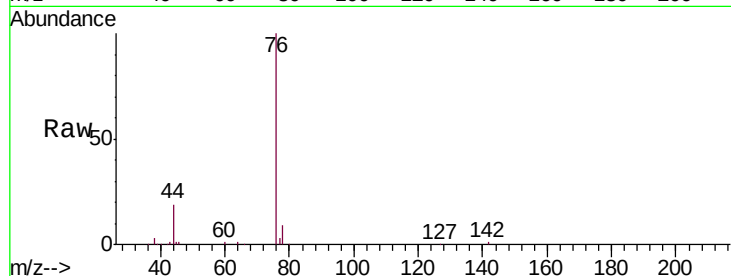
#17
Carbon Disulfide
Concen: 44.844 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 76 Resp: 241980
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

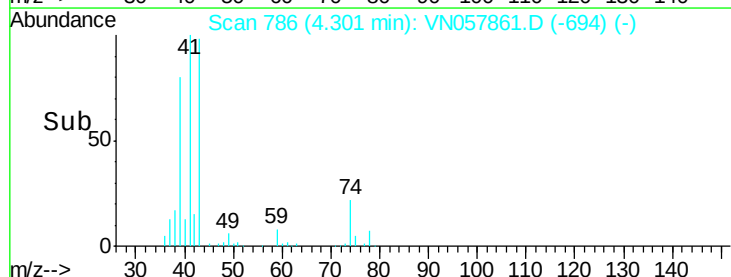
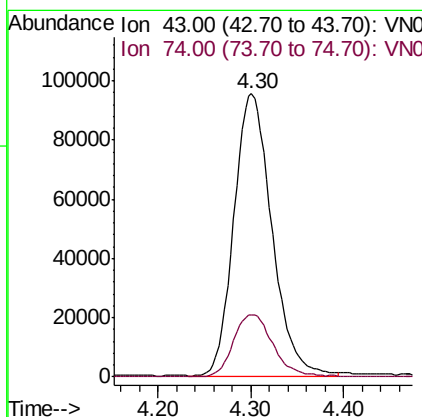
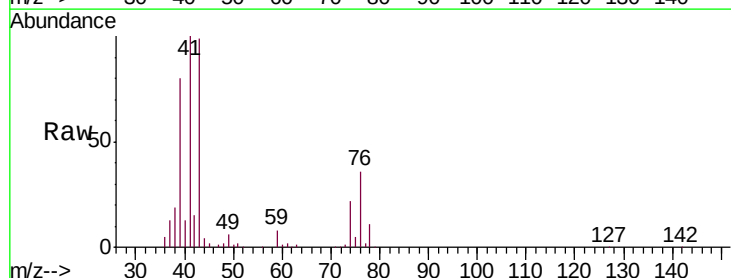
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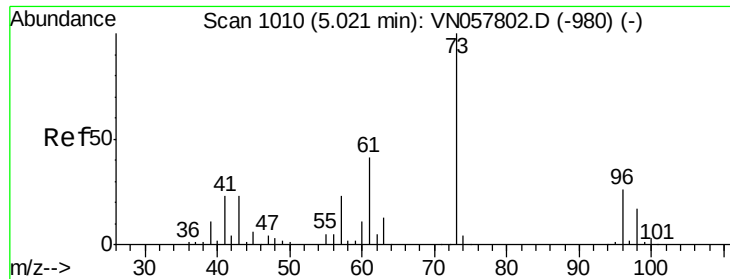
MMDadoda
9/13/2019 7:06:06 AM



#18
Methyl Acetate
Concen: 46.981 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion: 43 Resp: 270901
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9





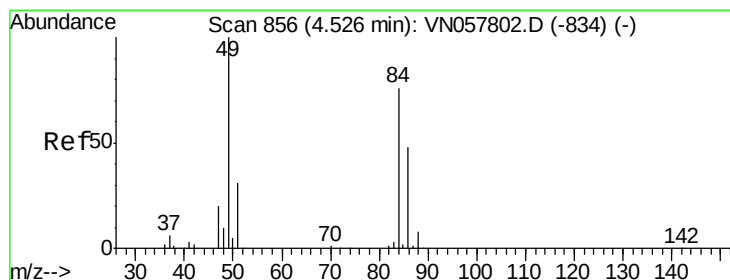
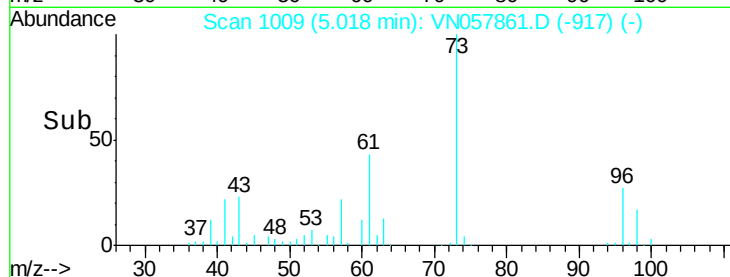
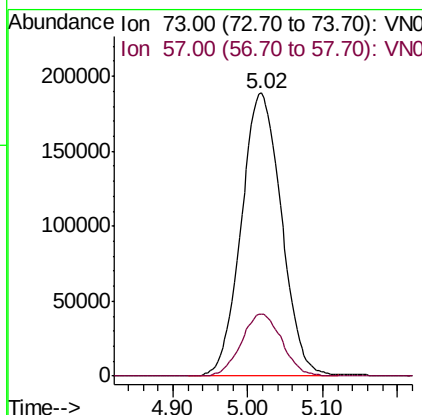
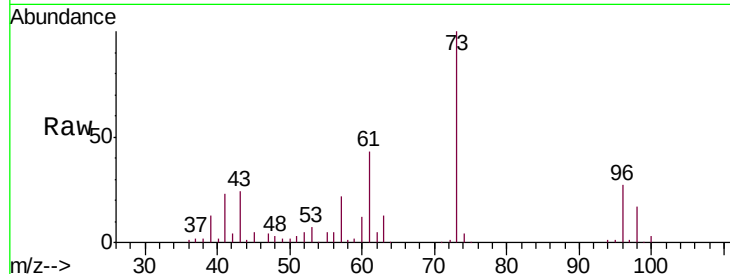
#19
Methyl tert-butyl Ether
Concen: 48.851 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 705092
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.2

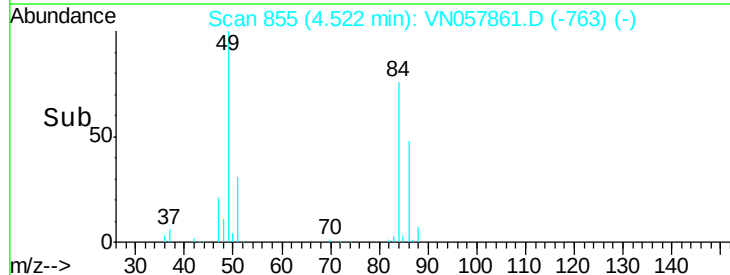
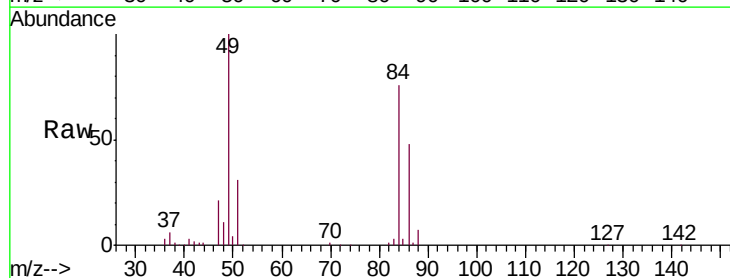
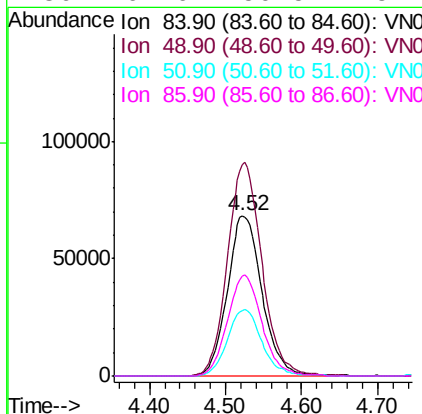
Manual Integrations
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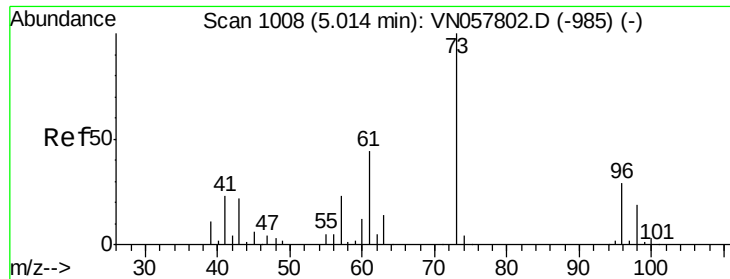
MMDadoda
9/13/2019 7:06:06 AM



#20
Methylene Chloride
Concen: 52.618 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion: 84 Resp: 216366
Ion Ratio Lower Upper
84 100
49 131.4 104.8 157.2
51 41.0 33.0 49.4
86 62.6 50.5 75.7





#21

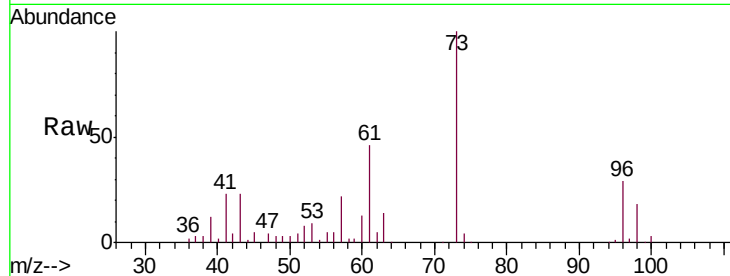
trans-1,2-Dichloroethene
Concen: 45.313 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	121.9	182.9
98	63.2	52.2	78.4

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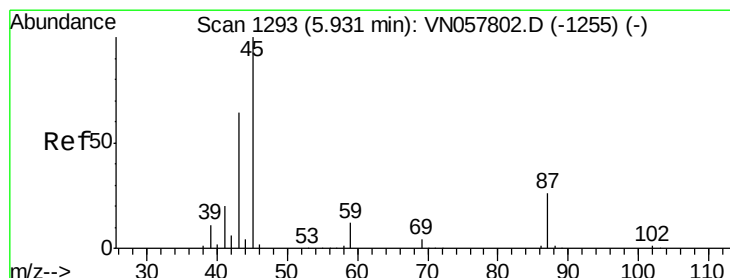
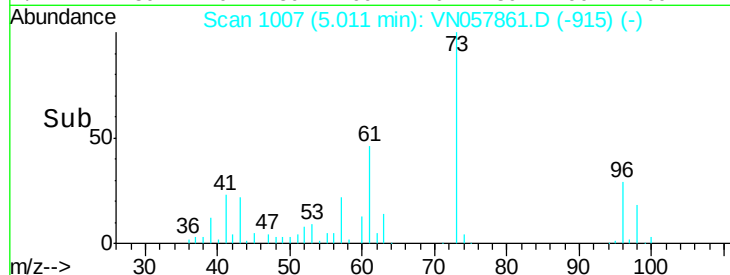
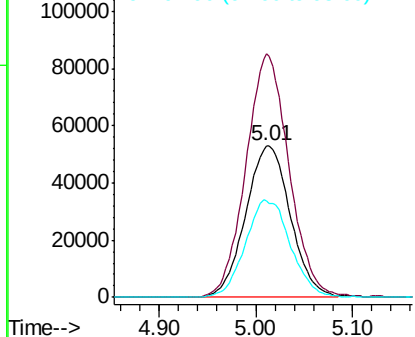


Abundance

Ion 95.90 (95.60 to 96.60): VN057861.D (-915) (-)

Ion 60.90 (60.60 to 61.60): VN057861.D (-915) (-)

Ion 97.90 (97.60 to 98.60): VN057861.D (-915) (-)



#22

Diisopropyl ether
Concen: 49.630 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	51.4	77.2
87	25.8	21.3	31.9
59	11.1	9.3	13.9

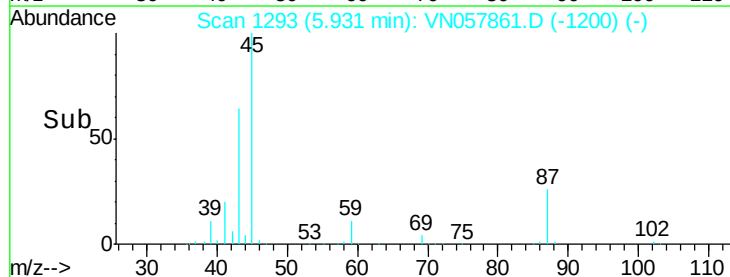
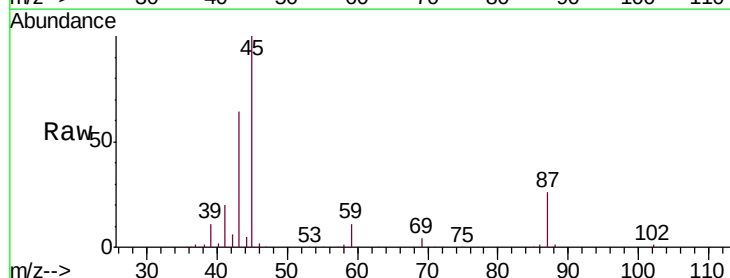
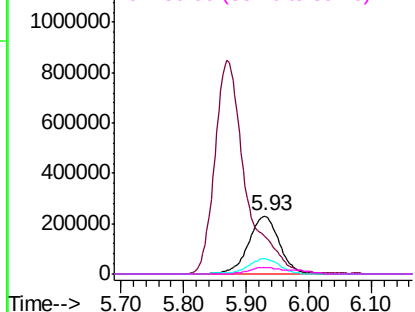
Abundance

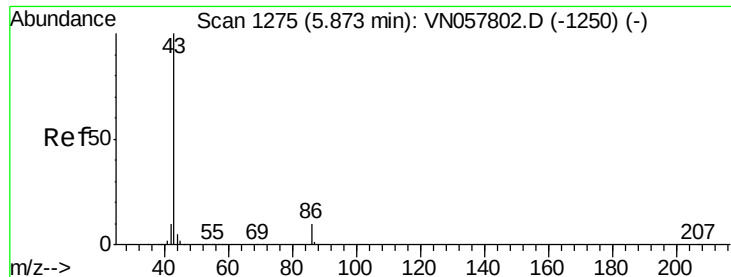
Ion 45.00 (44.70 to 45.70): VN057861.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN057861.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN057861.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN057861.D (-1200) (-)





#23

Vinyl Acetate

Concen: 257.552 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2905308

Ion Ratio Lower Upper

43 100

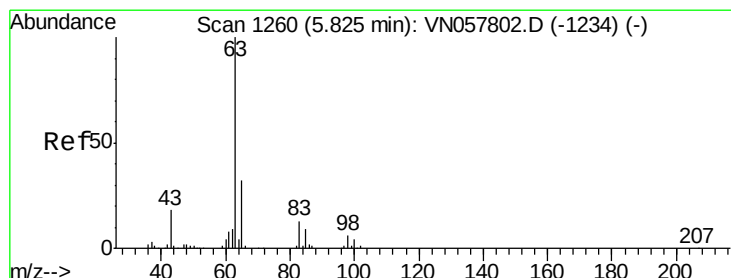
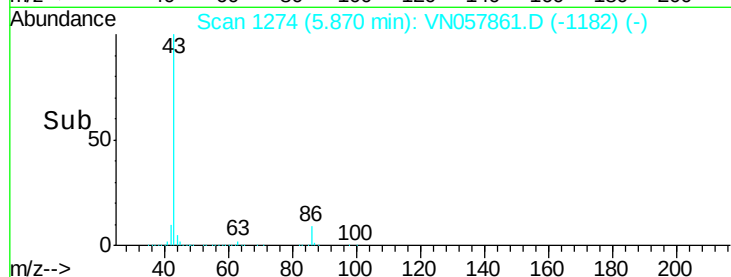
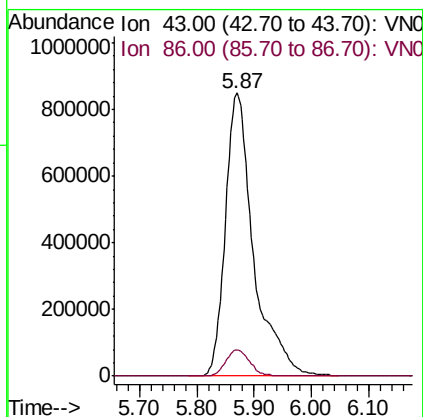
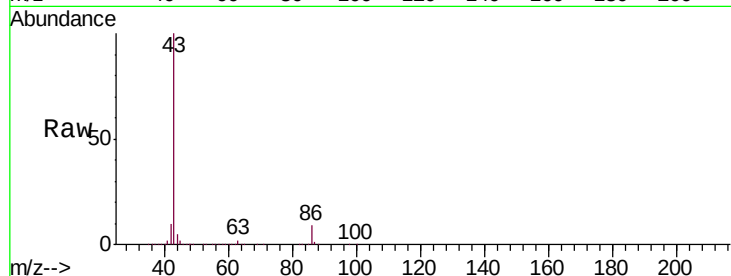
86 9.4 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.931 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

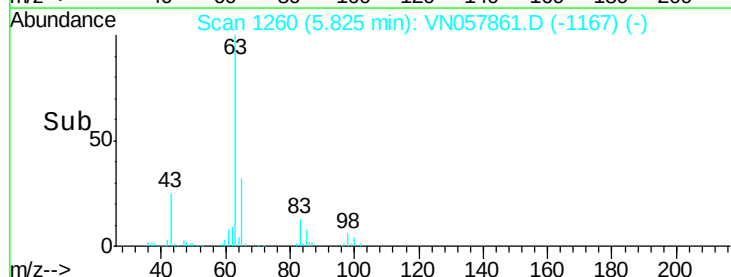
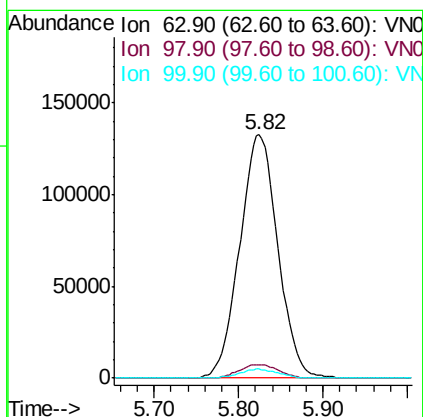
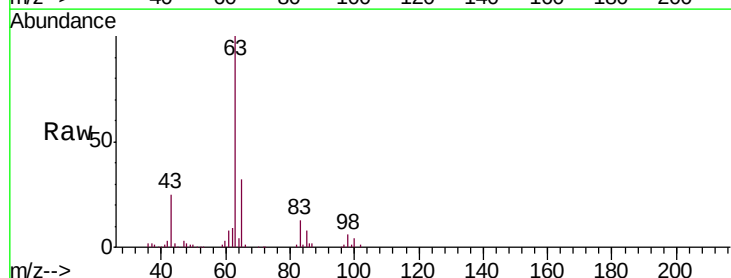
Tgt Ion: 63 Resp: 416961

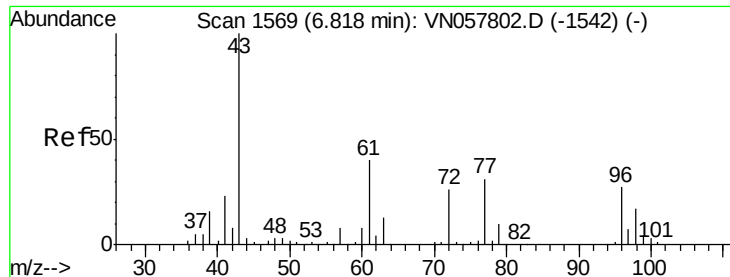
Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 238.716 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 747202

Ion Ratio Lower Upper

43 100

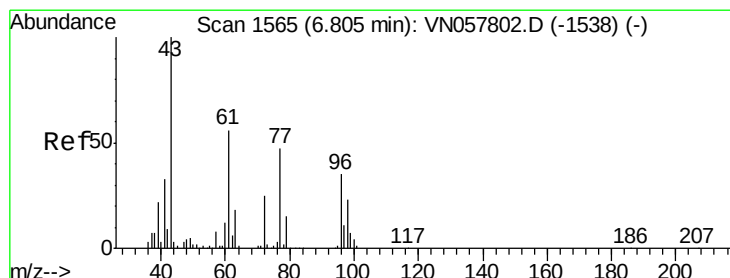
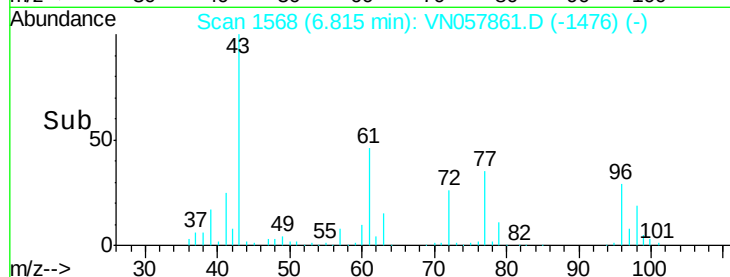
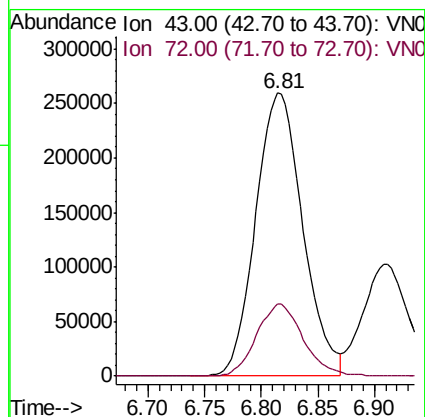
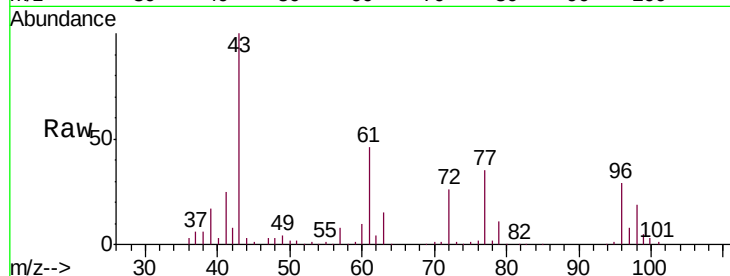
72 25.7 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.638 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057861.D

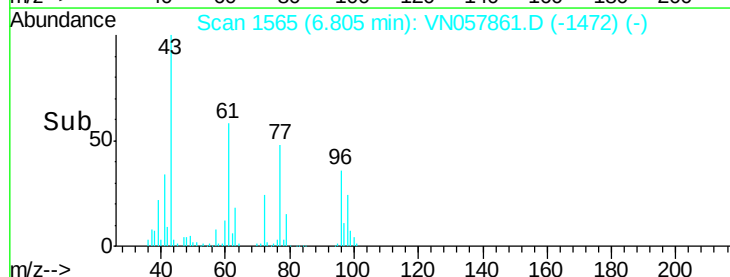
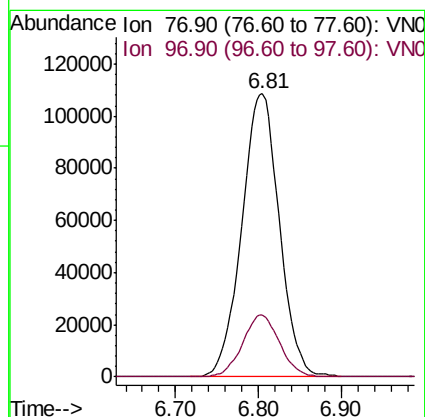
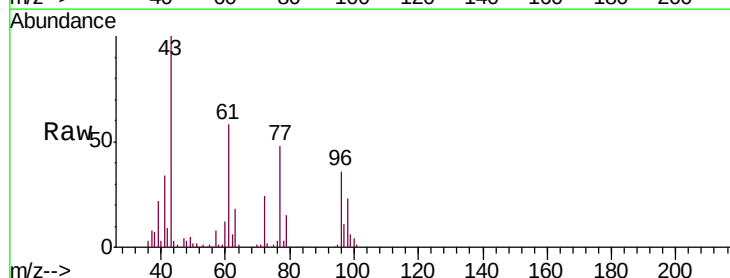
Acq: 10 Sep 2019 14:42

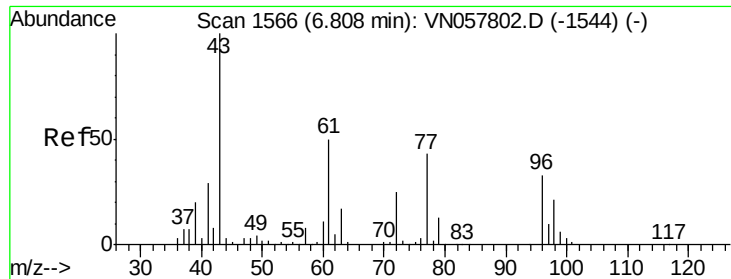
Tgt Ion: 77 Resp: 341724

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 47.780 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

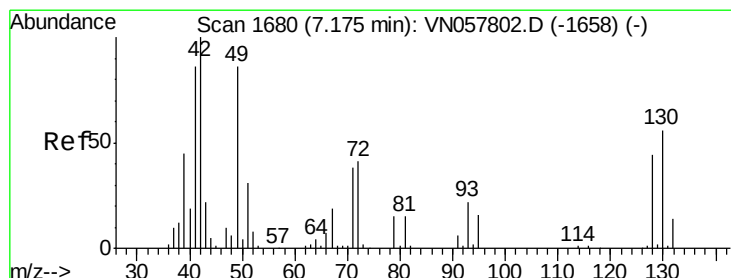
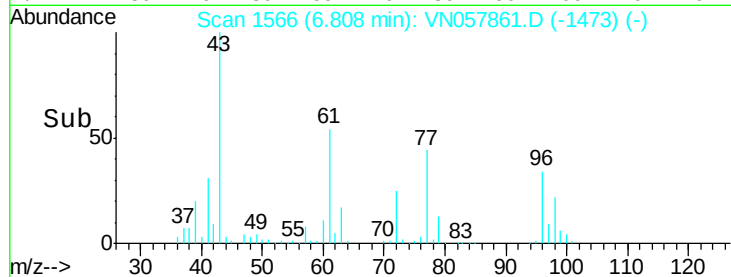
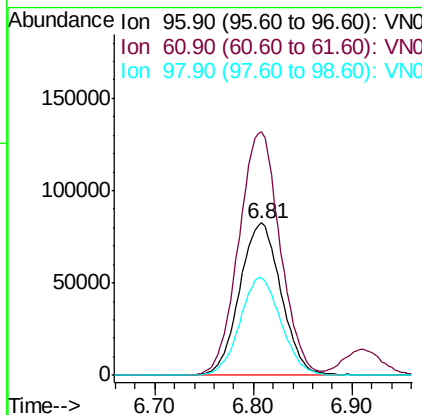
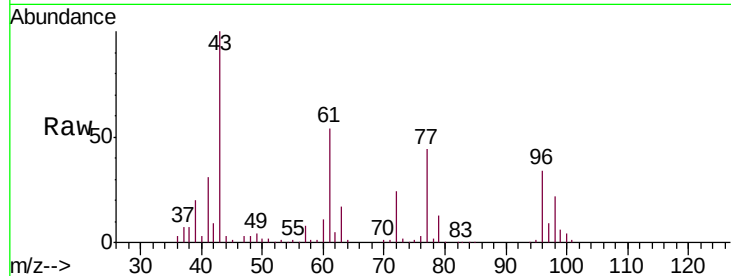
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	240066
Ion Ratio	Lower	Upper	
96	100		
61	159.5	0.0	314.0
98	63.6	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 48.229 ug/l

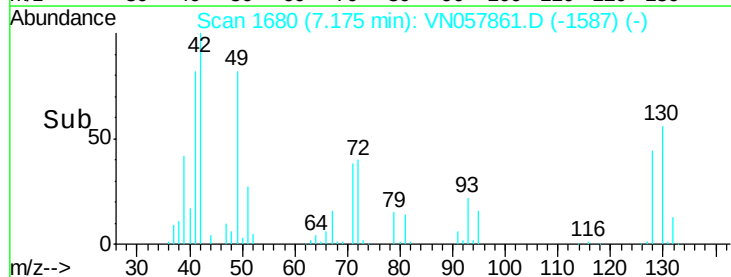
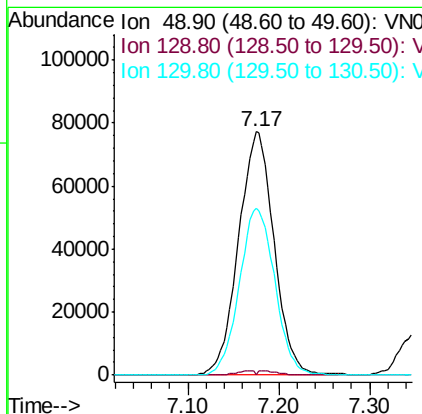
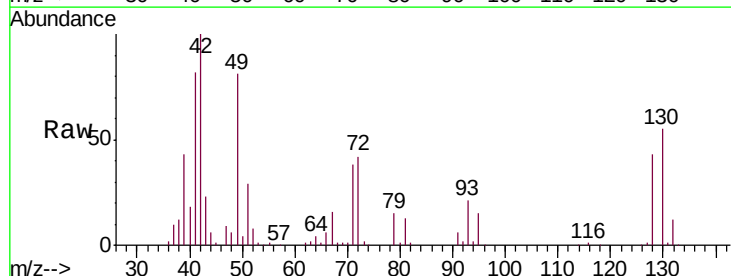
RT: 7.17 min Scan# 1680

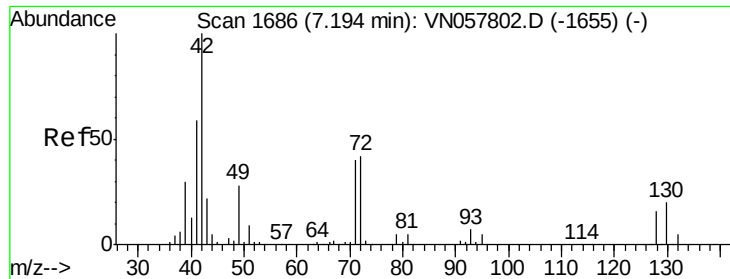
Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Tgt Ion:	49	Resp:	209603
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	3.8
130	68.5	53.0	79.6





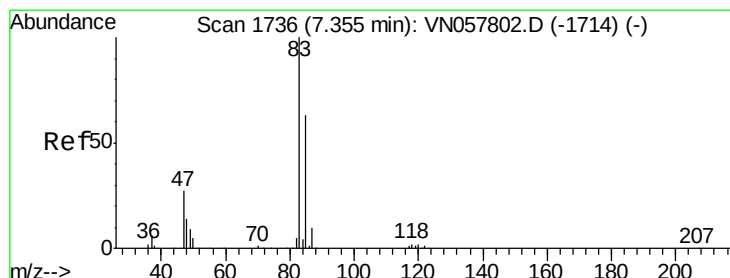
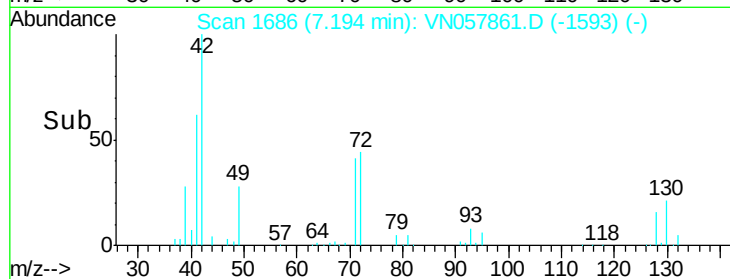
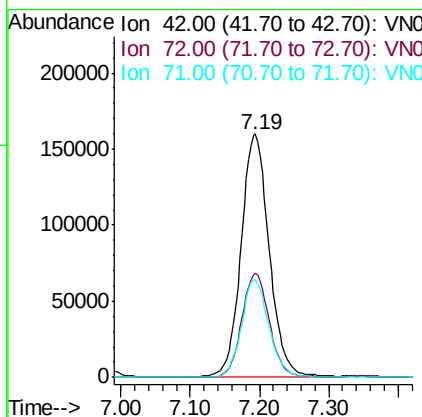
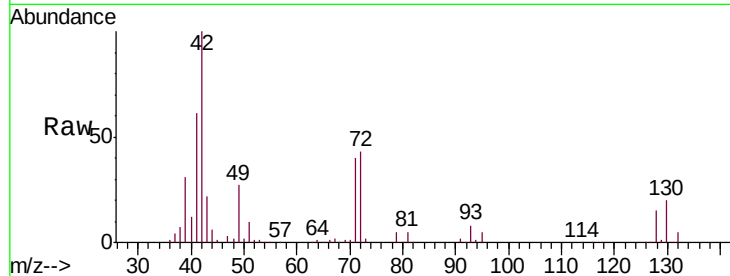
#29
Tetrahydrofuran
Concen: 232.823 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	39.4	31.9	47.9

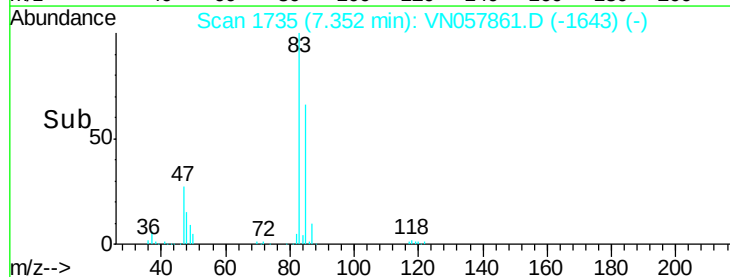
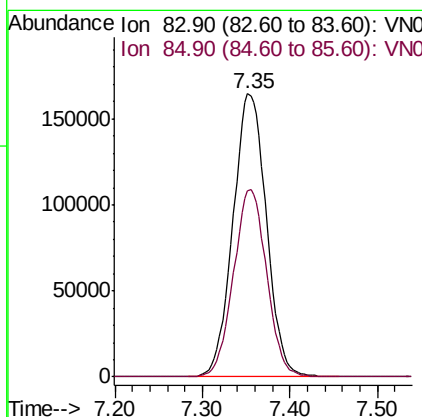
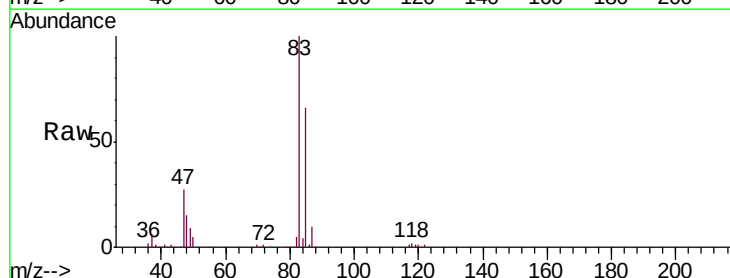
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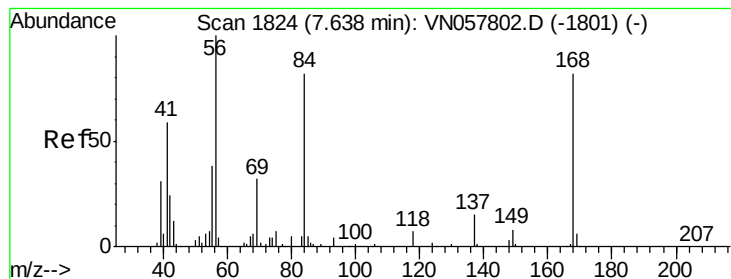
MMDadoda
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#30
Chloroform
Concen: 47.999 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.6	75.8





#31

Cyclohexane

Concen: 51.129 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 302799
Ion Ratio Lower Upper

56 100

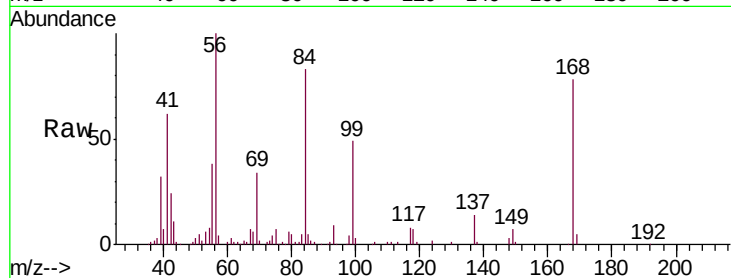
69 34.2 25.9 38.9

84 81.7 65.6 98.4

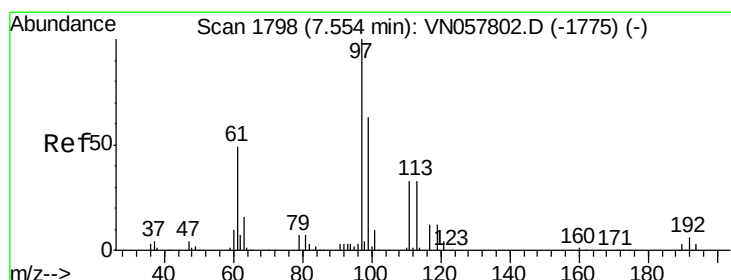
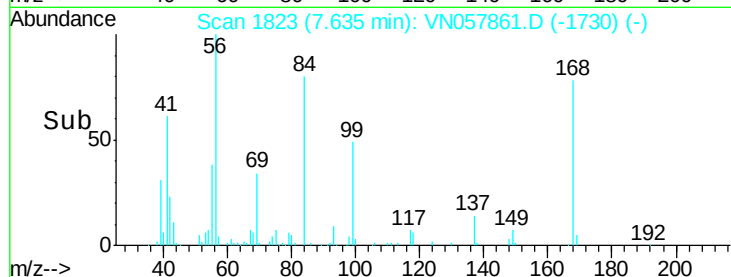
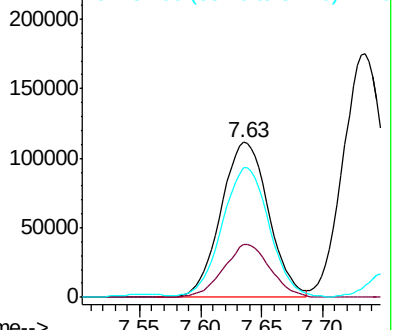
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 48.676 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN057861.D

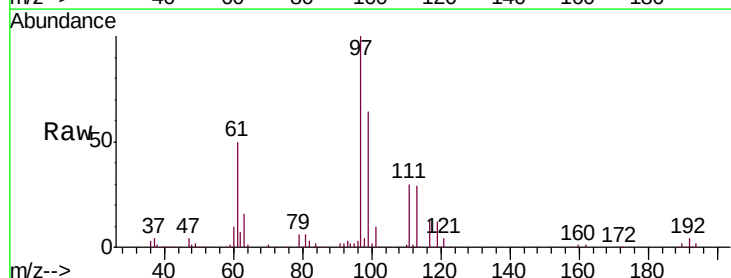
Acq: 10 Sep 2019 14:42

Tgt Ion: 97 Resp: 351140
Ion Ratio Lower Upper

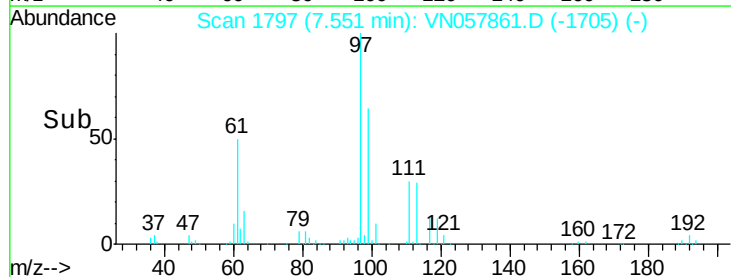
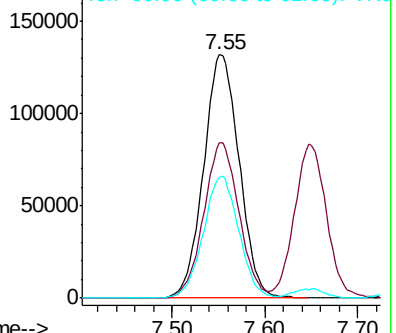
97 100

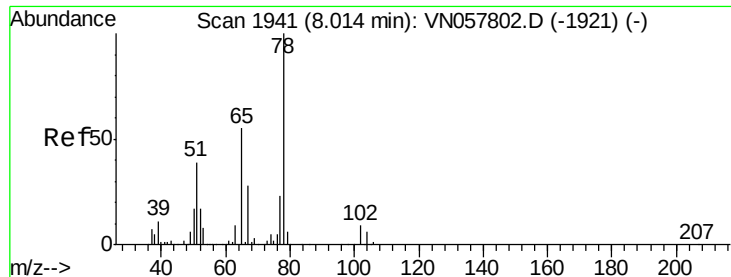
99 63.3 51.0 76.4

61 49.8 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





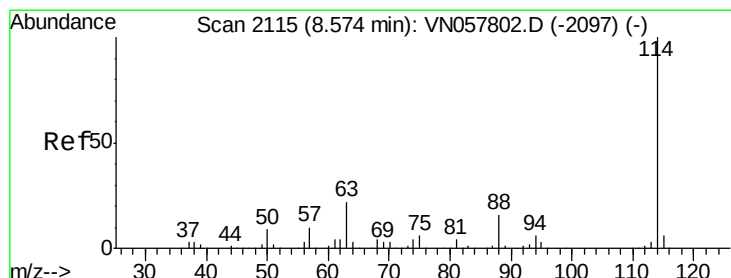
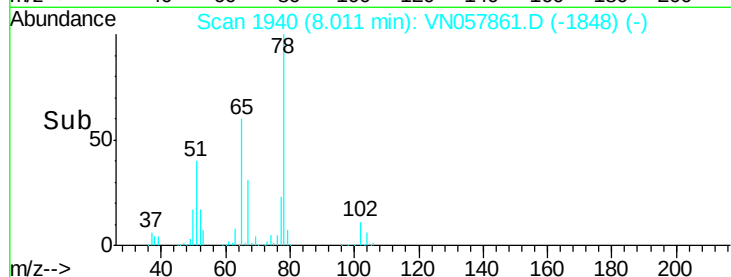
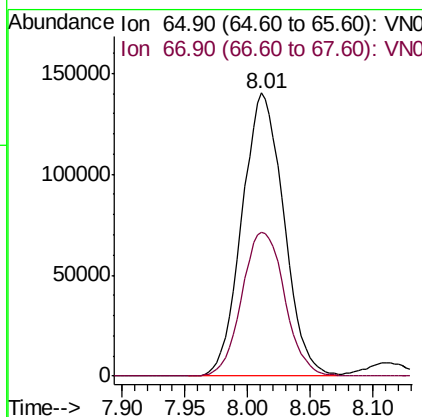
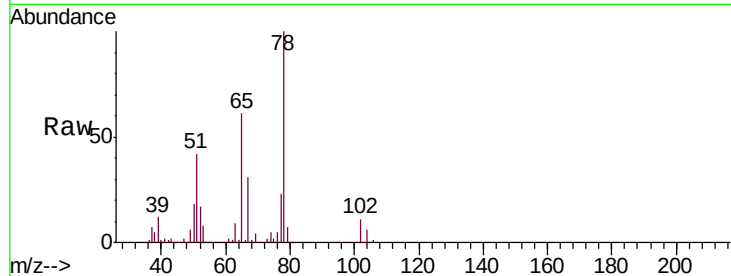
#33
 1,2-Dichloroethane-d4
 Concen: 49.416 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	325997		
67	51.9	0.0	104.0	

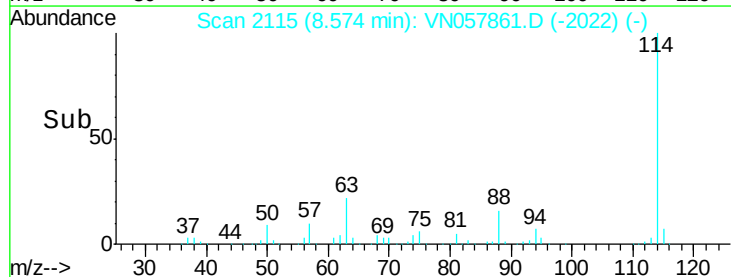
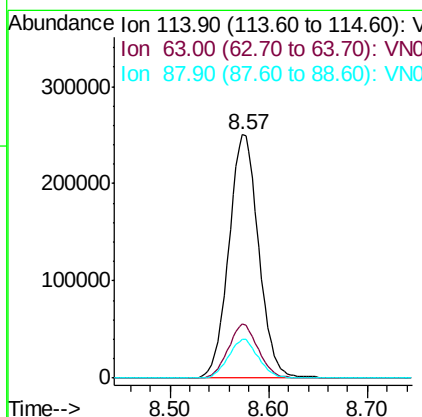
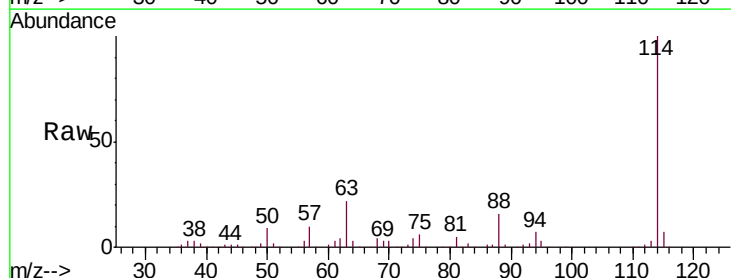
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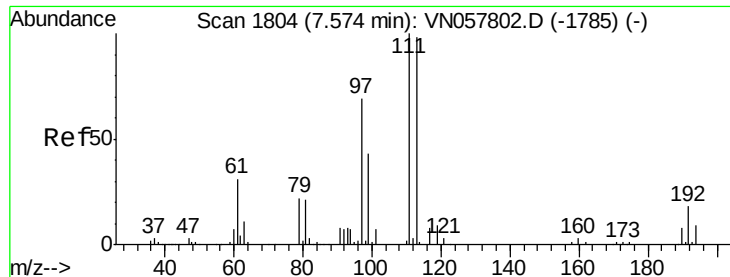
MMDadoda
 9/13/2019 7:06:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	527967		
63	22.2	0.0	44.0	
88	16.0	0.0	31.4	





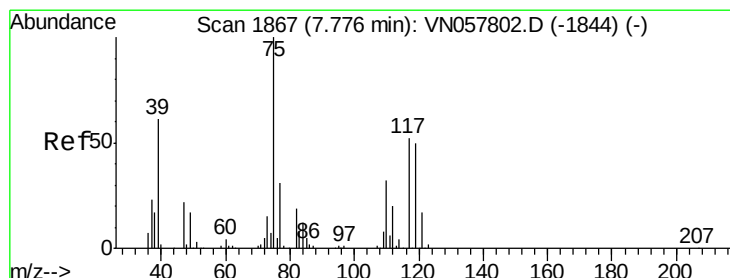
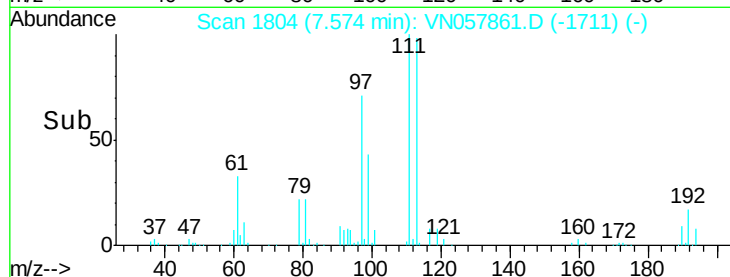
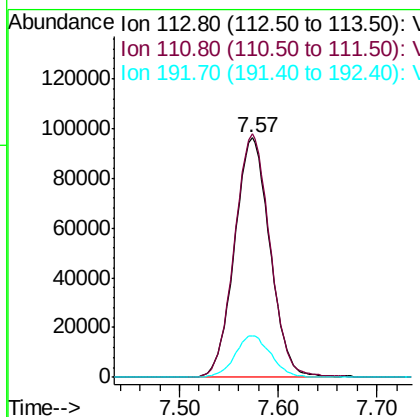
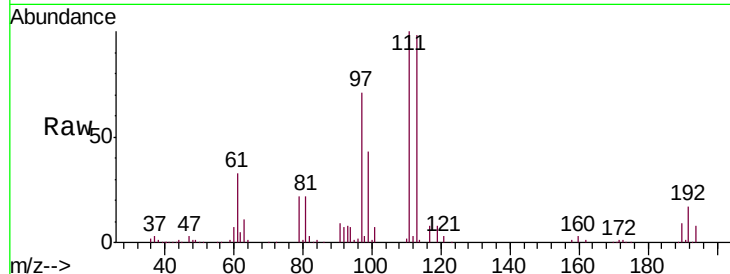
#35
 Dibromofluoromethane
 Concen: 49.146 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	239483		
111	102.2	81.3	121.9	
192	17.7	14.6	22.0	

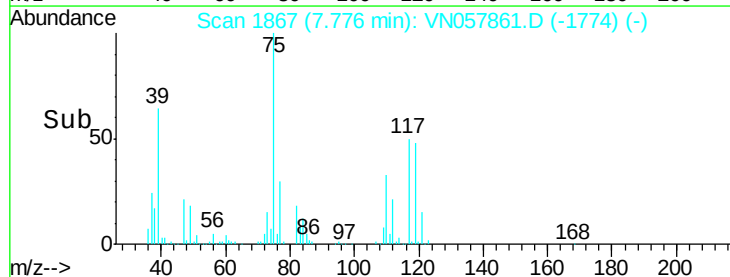
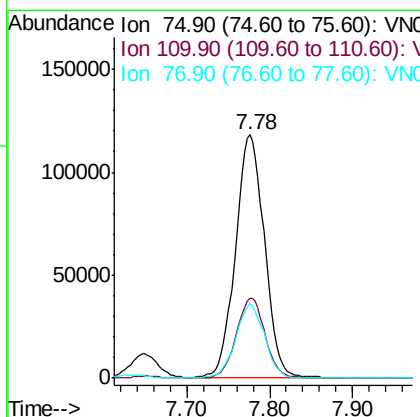
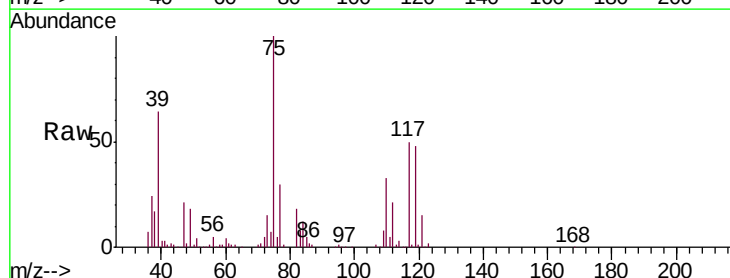
Manual Integrations
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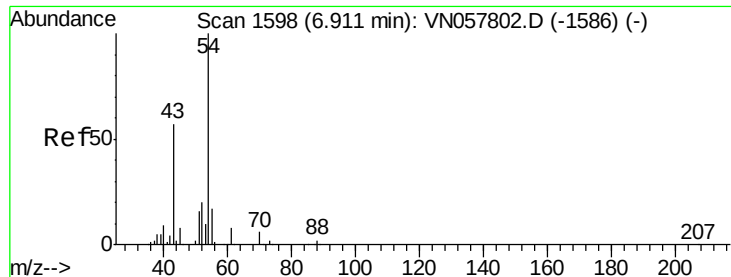
MMDadoda
 9/13/2019 7:06:06 AM



#36
 1,1-Dichloropropene
 Concen: 46.902 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	287183		
110	32.6	16.3	48.9	
77	30.5	25.0	37.4	





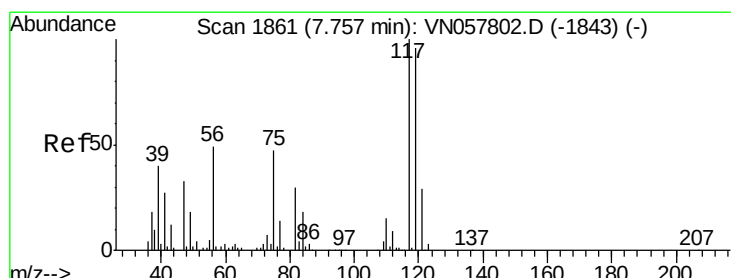
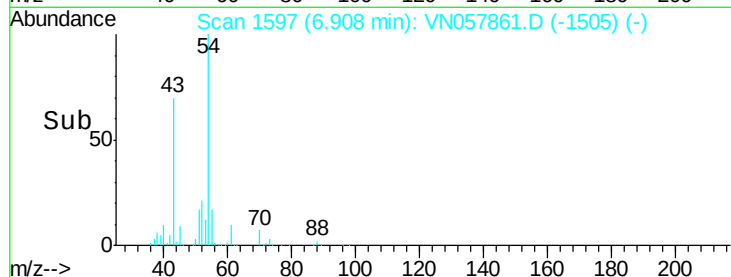
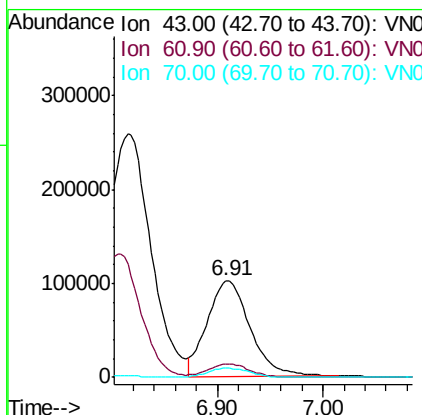
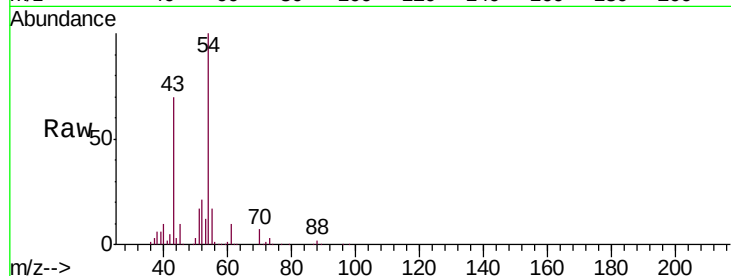
#37
Ethyl Acetate
Concen: 45.439 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.0	7.4	11.0

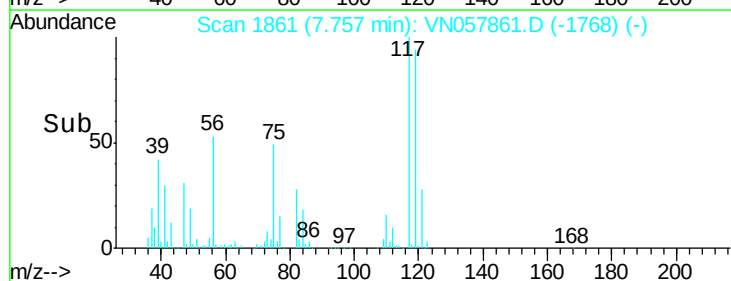
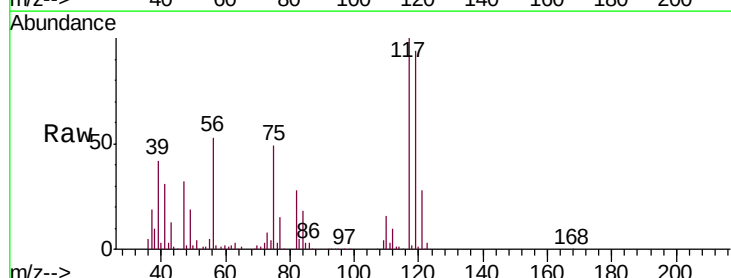
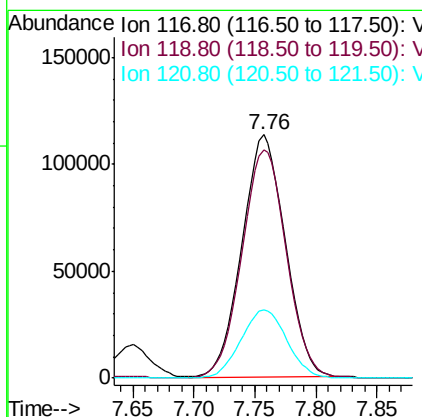
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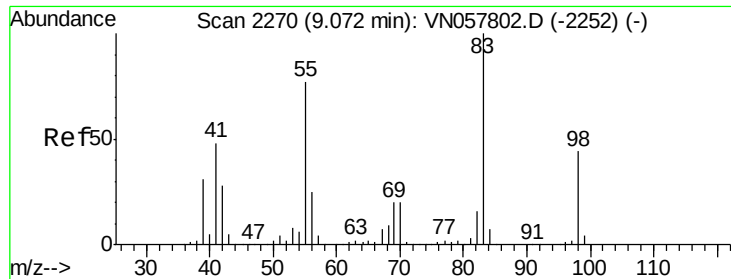
MMDadoda
9/13/2019 7:06:06 AM



#38
Carbon Tetrachloride
Concen: 49.697 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.9	115.3
121	28.1	23.4	35.2





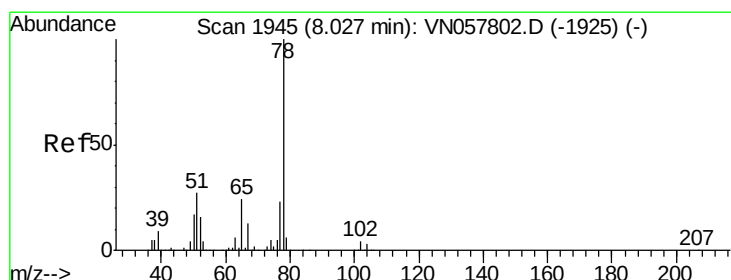
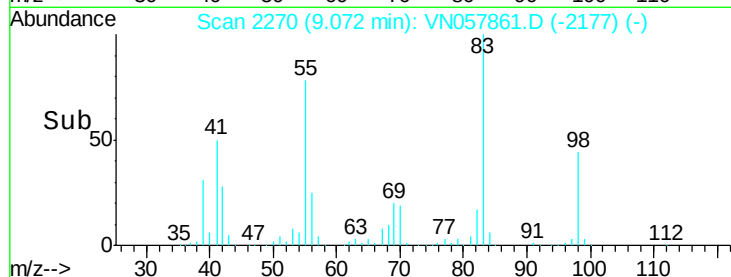
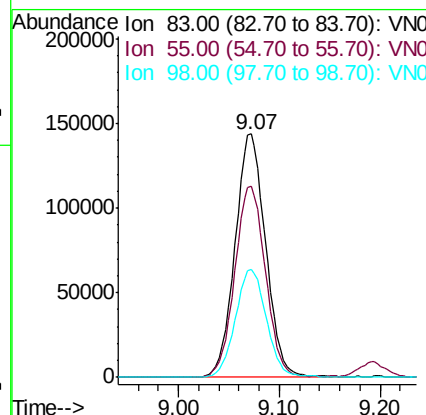
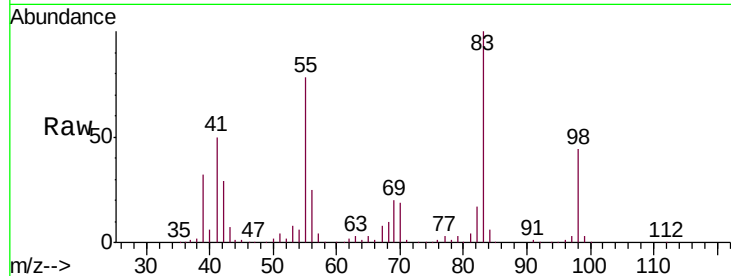
#39
Methylcyclohexane
Concen: 47.124 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	78.4	61.6	92.4
98	44.3	34.9	52.3

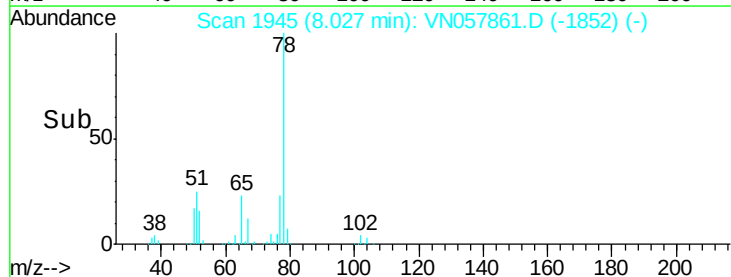
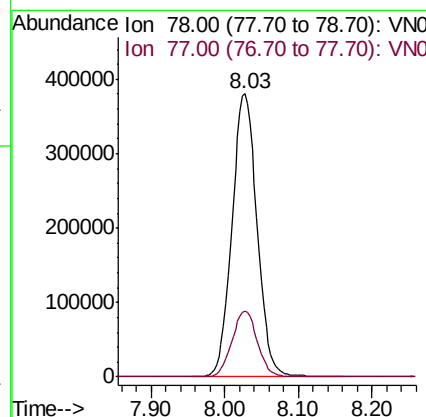
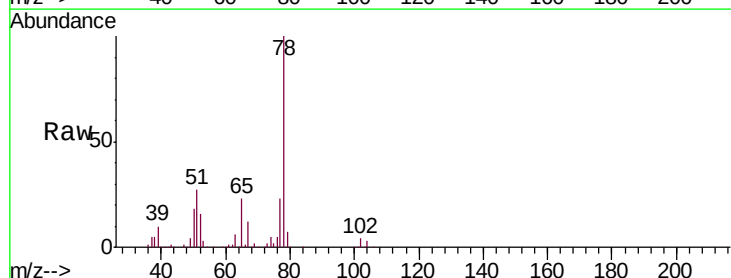
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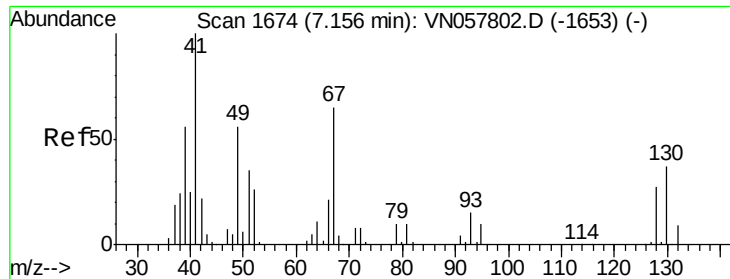
MMDadoda
9/13/2019 7:06:06 AM



#40
Benzene
Concen: 48.688 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.3	18.3	27.5





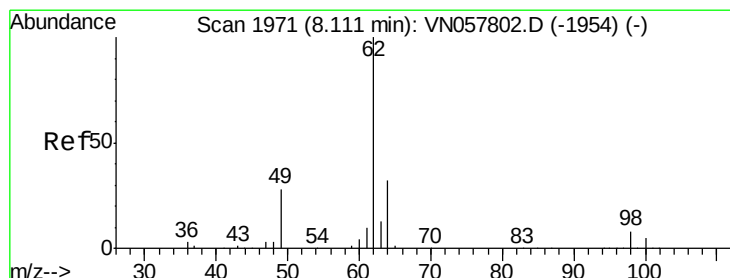
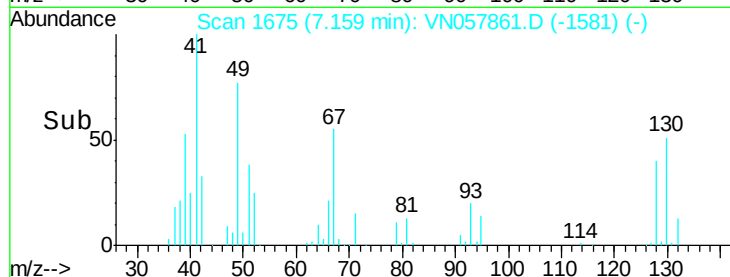
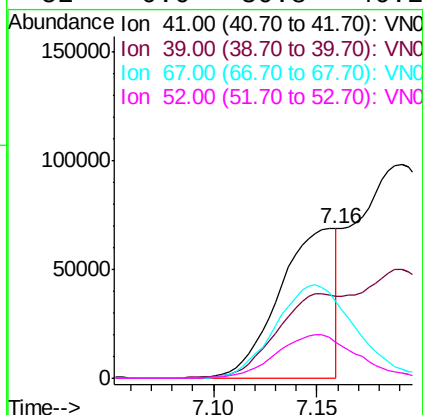
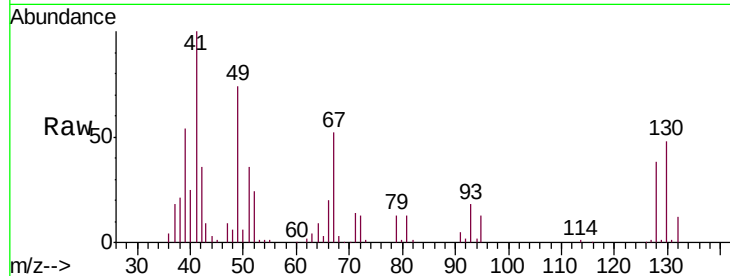
#41
Methacrylonitrile
Concen: 45.711 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

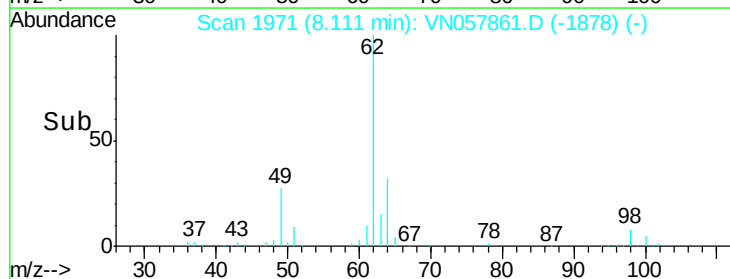
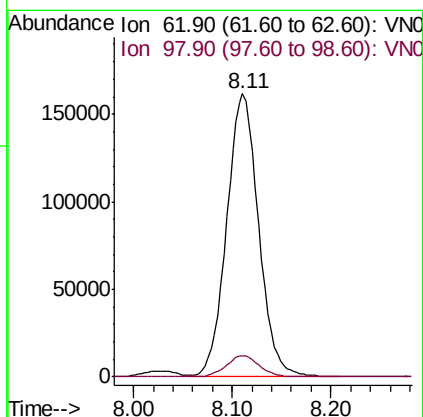
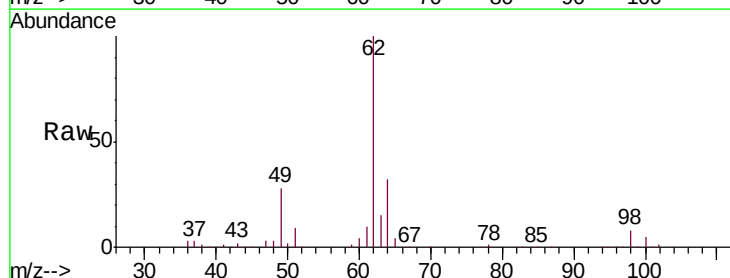
Manual Integrations
APPROVED

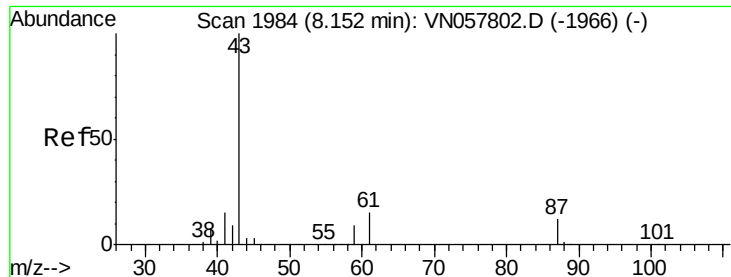
MMDadoda
9/13/2019 7:06:06 AM



#42
1,2-Dichloroethane
Concen: 49.284 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





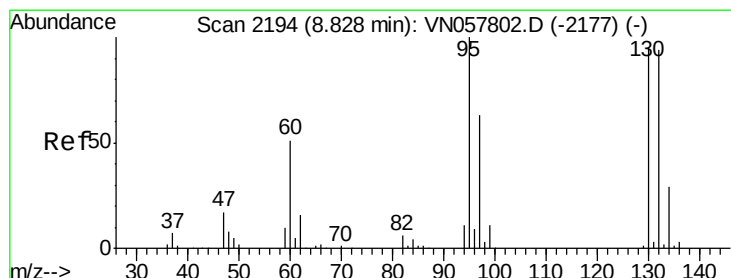
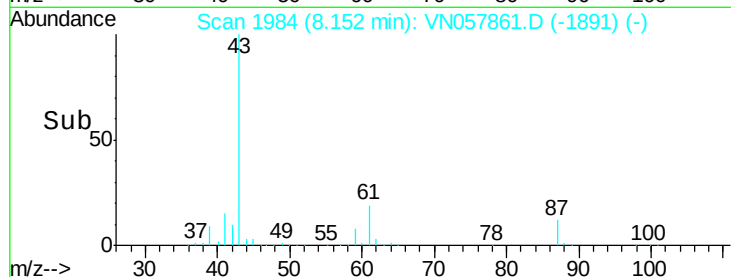
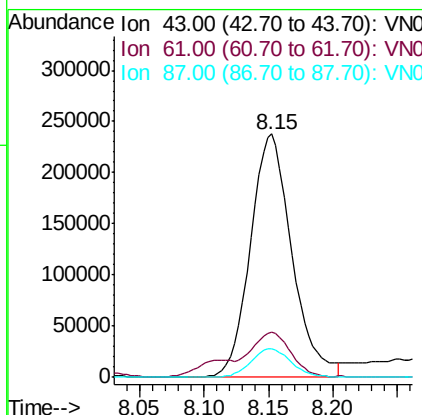
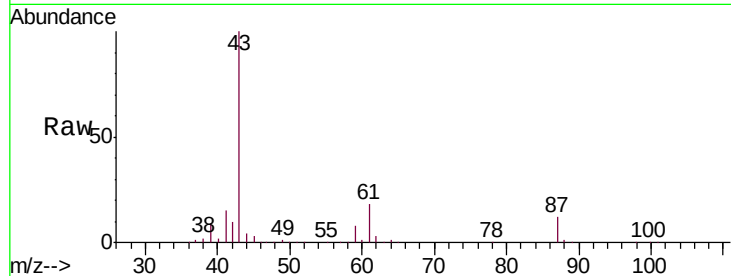
#43
Isopropyl Acetate
Concen: 49.934 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.6	20.1	30.1#
87	11.6	9.5	14.3

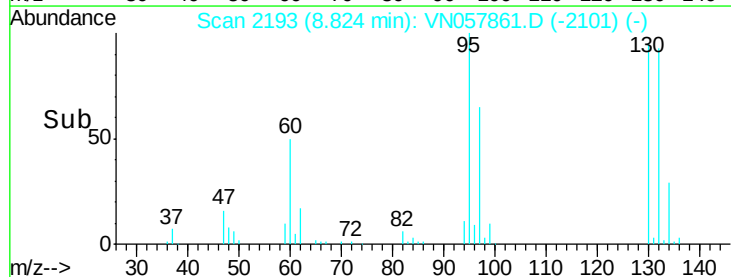
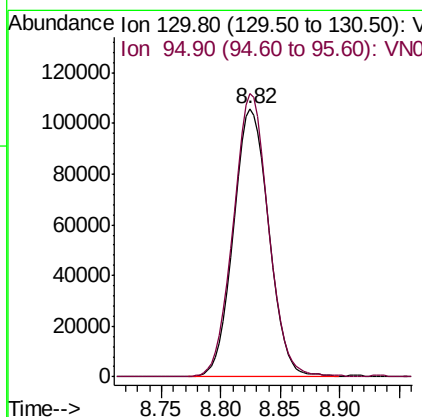
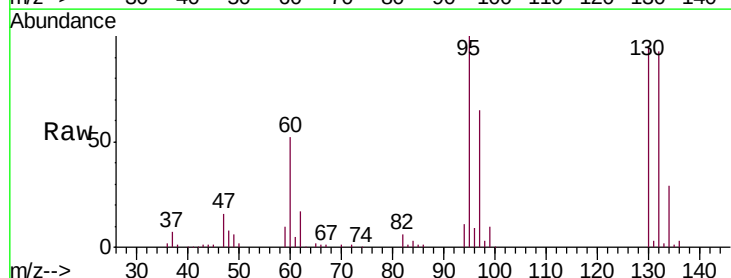
Manual Integrations
APPROVED

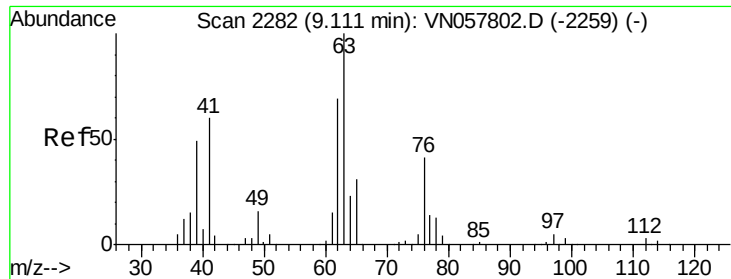
MMDadoda
9/13/2019 7:06:06 AM



#44
Trichloroethene
Concen: 48.346 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	211.4





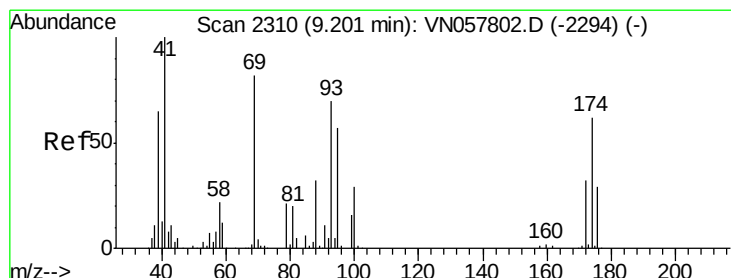
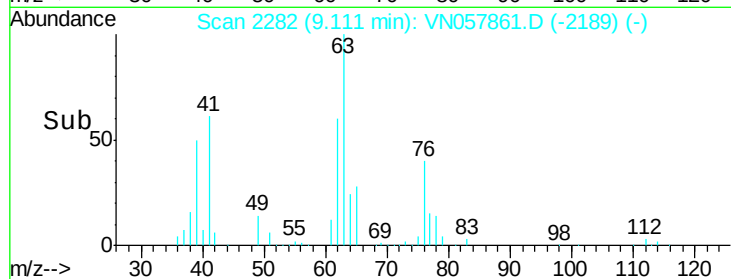
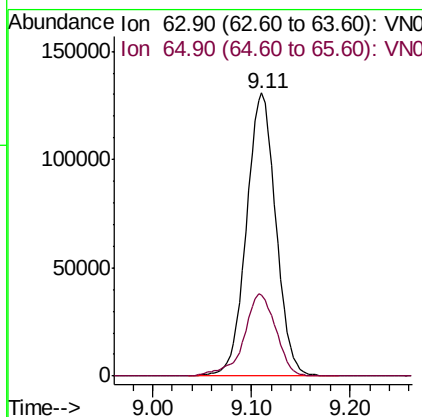
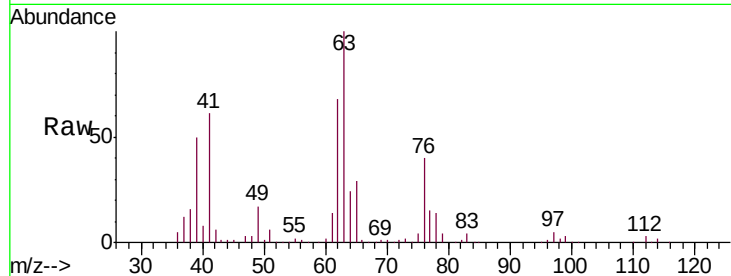
#45
 1,2-Dichloropropane
 Concen: 50.125 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 63 Resp: 268873
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.8 37.2

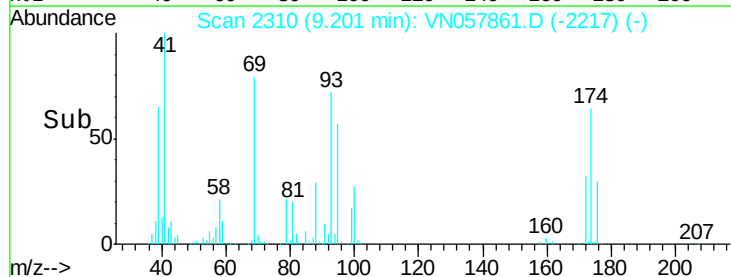
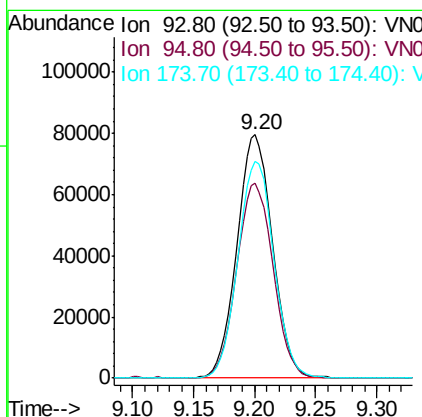
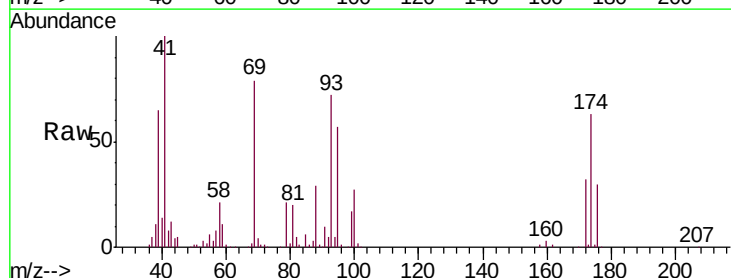
Manual Integrations
 APPROVED

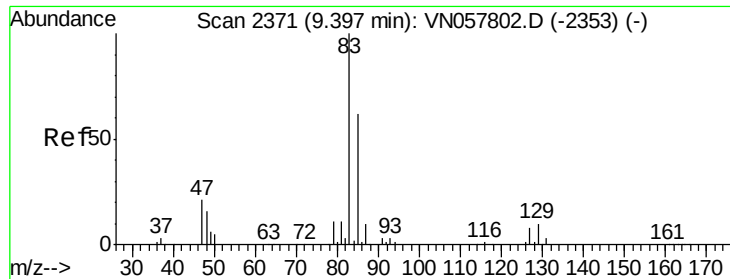
MMDadoda
 9/13/2019 7:06:06 AM



#46
 Dibromomethane
 Concen: 49.535 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Tgt Ion: 93 Resp: 160564
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.9 98.9
 174 90.0 71.8 107.6





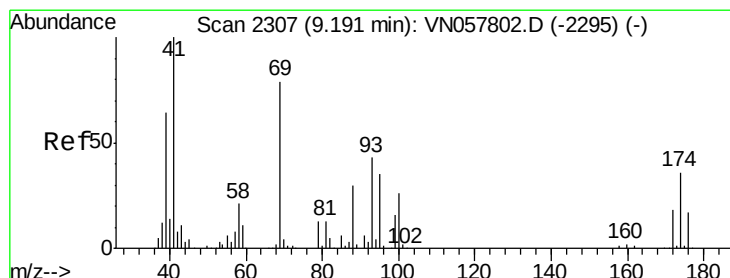
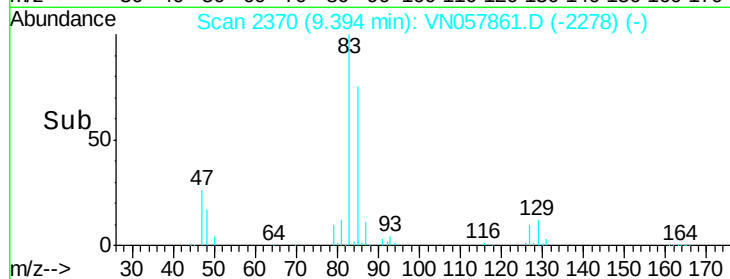
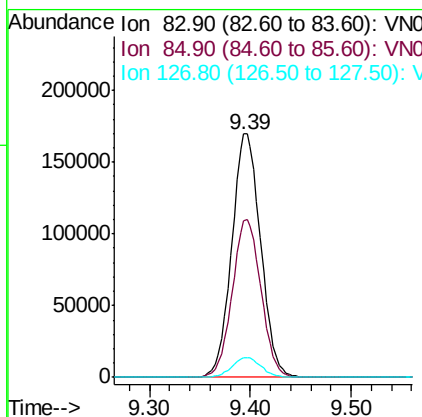
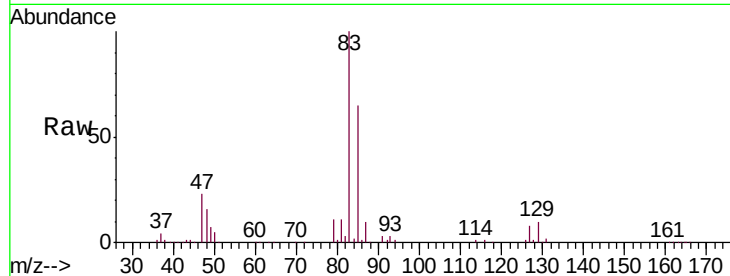
#47
Bromodichloromethane
Concen: 52.061 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	336977		
85	64.5	49.9	74.9	
127	8.2	6.5	9.7	

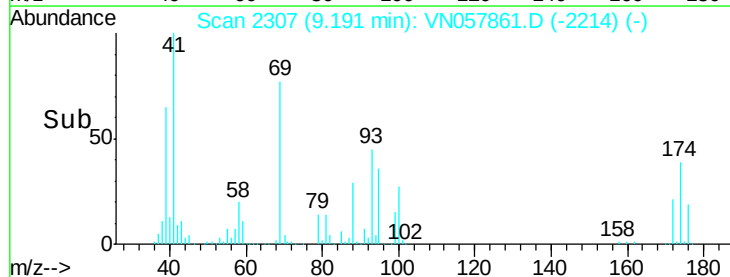
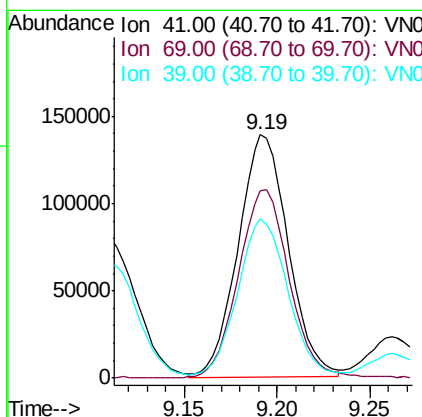
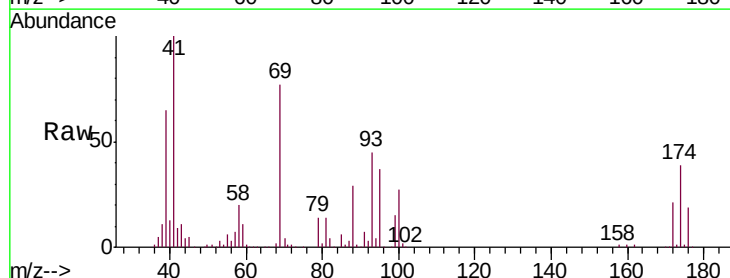
Manual Integrations
APPROVED

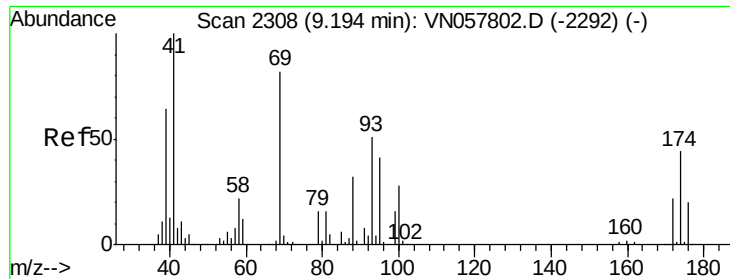
MMDadoda
9/13/2019 7:06:06 AM



#48
Methyl methacrylate
Concen: 48.601 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	262283		
69	78.7	62.7	94.1	
39	66.0	52.7	79.1	





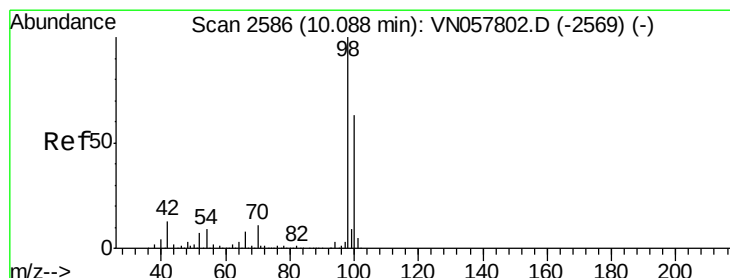
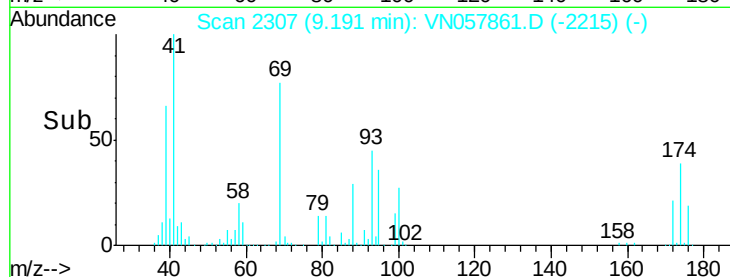
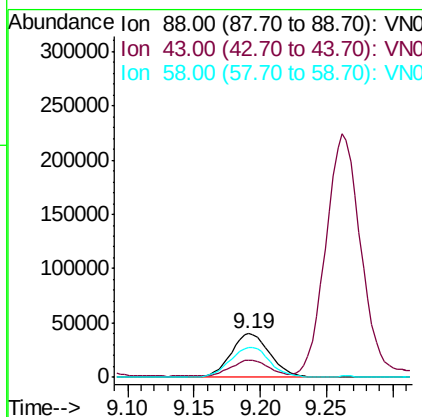
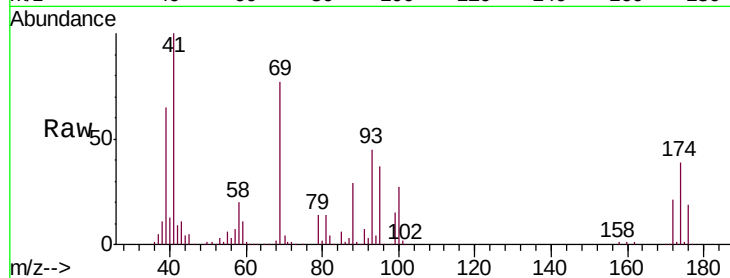
#49
1,4-Dioxane
Concen: 906.417 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.6	28.5	42.7
58	69.5	55.8	83.6

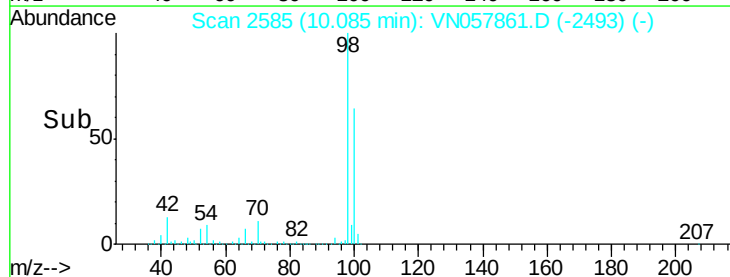
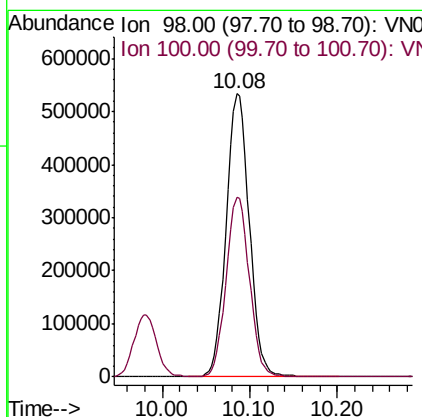
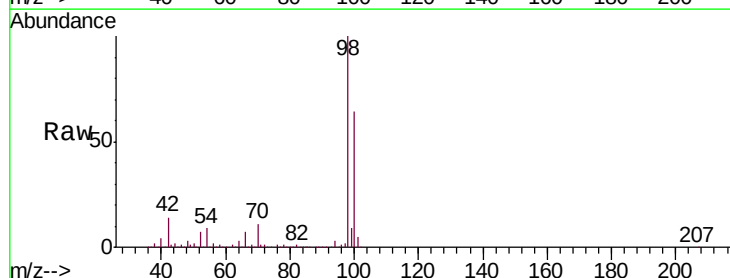
Manual Integrations
APPROVED

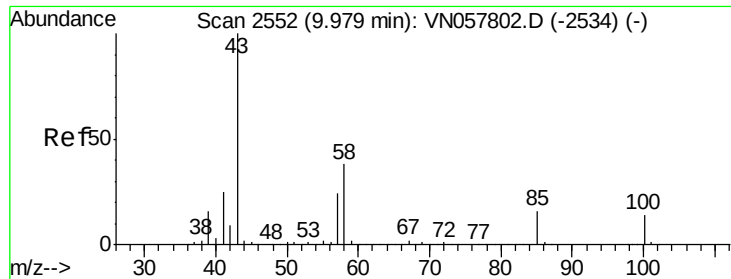
MMDadoda
9/13/2019 7:06:06 AM



#50
Toluene-d8
Concen: 51.858 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 254.741 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1603756

Ion Ratio Lower Upper

43 100

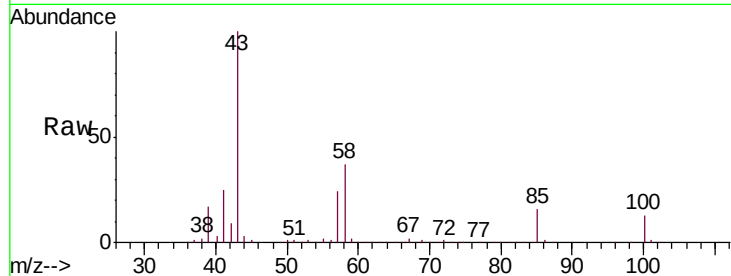
58 37.2 29.8 44.6

Manual Integrations

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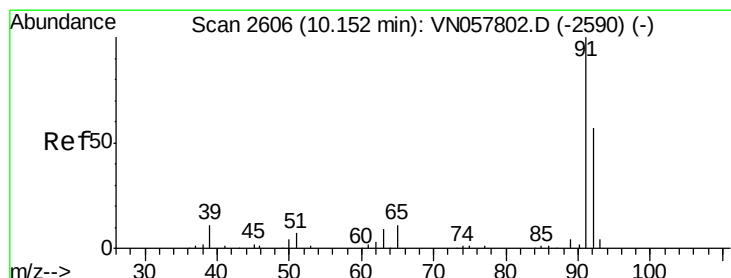
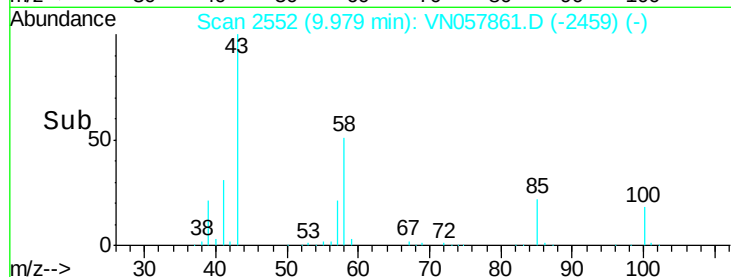
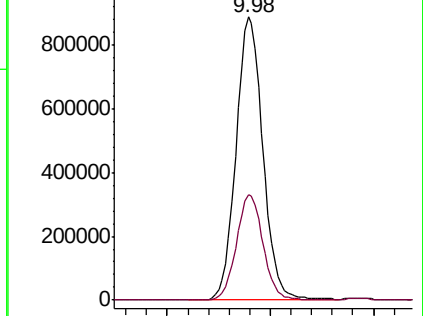
MMDadoda

9/13/2019 7:06:06 AM



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: 50.173 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057861.D

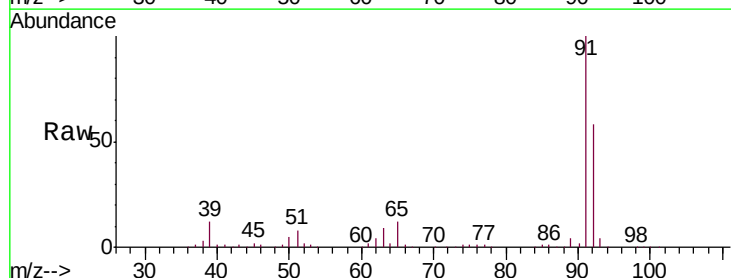
Acq: 10 Sep 2019 14:42

Tgt Ion: 92 Resp: 582542

Ion Ratio Lower Upper

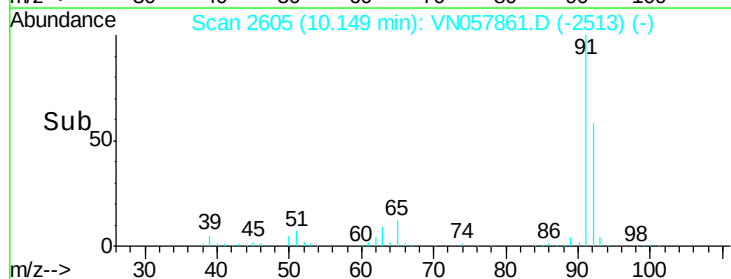
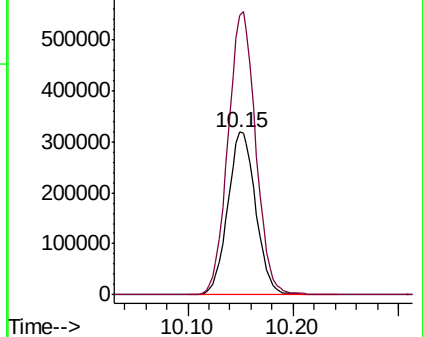
92 100

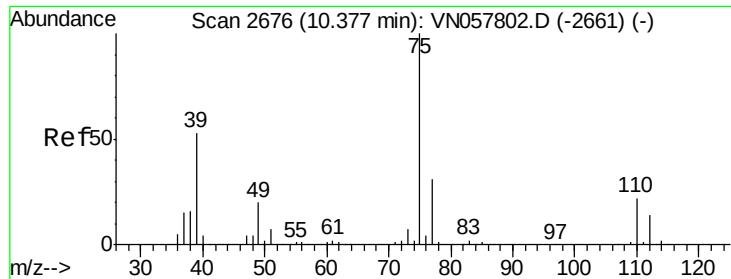
91 172.8 141.0 211.6



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

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





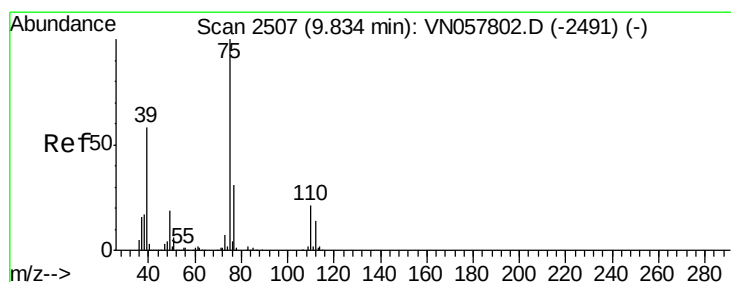
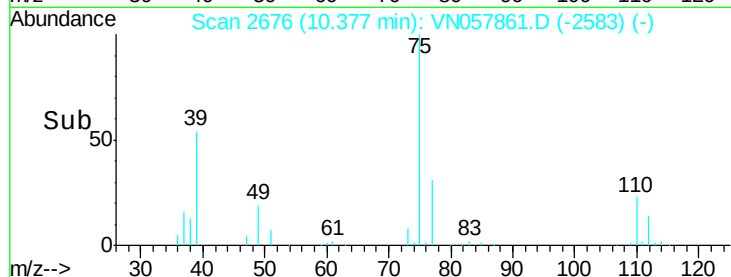
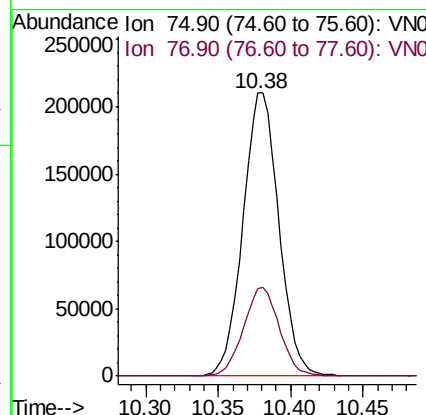
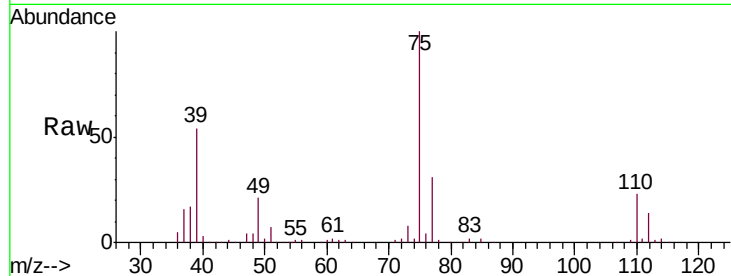
#53
t-1,3-Dichloropropene
Concen: 53.113 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 362028
Ion Ratio Lower Upper
75 100
77 31.0 24.5 36.7

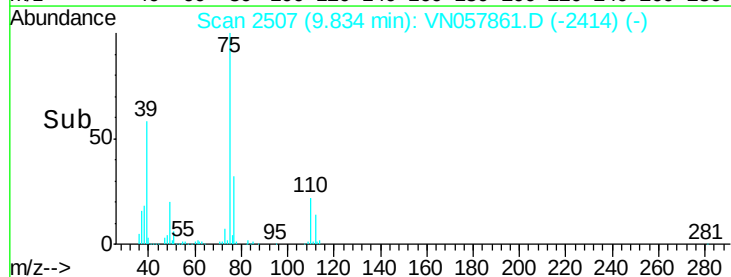
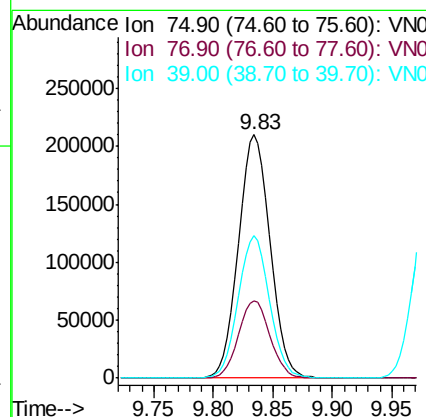
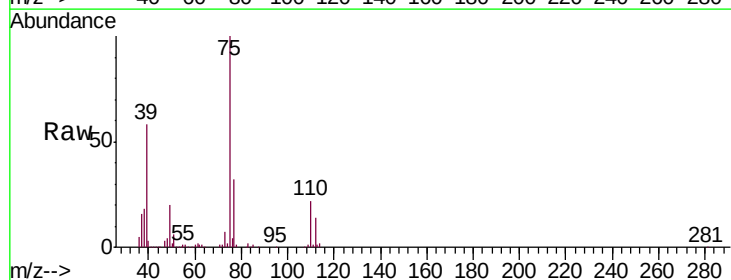
Manual Integrations
APPROVED

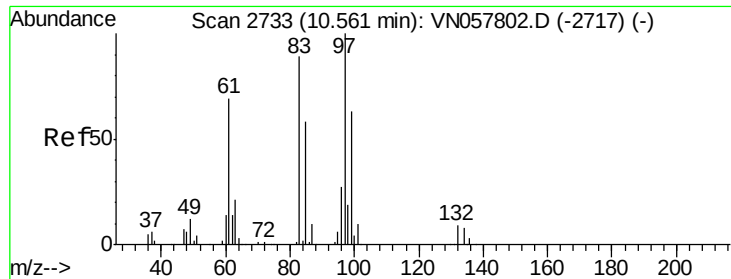
MMDadoda
9/13/2019 7:06:06 AM



#54
cis-1,3-Dichloropropene
Concen: 51.642 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion: 75 Resp: 388634
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2
39 58.3 46.2 69.4





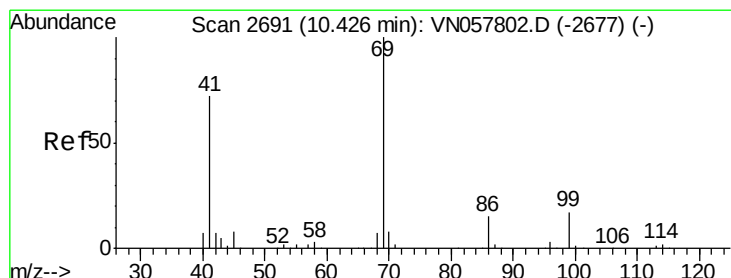
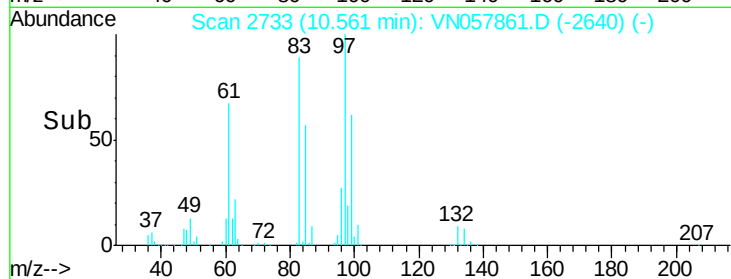
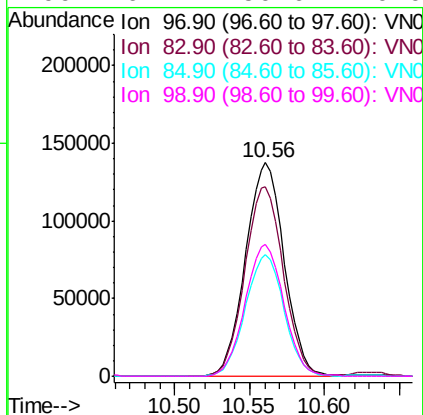
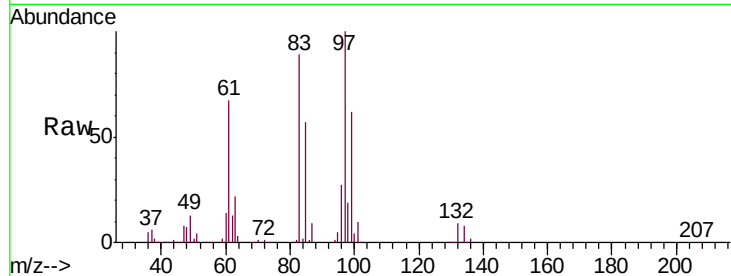
#55
 1,1,2-Trichloroethane
 Concen: 50.241 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	247094
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.8	106.2
85	56.9	46.0	69.0
99	61.7	50.6	76.0

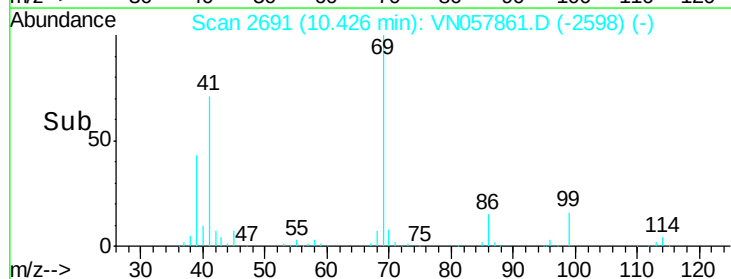
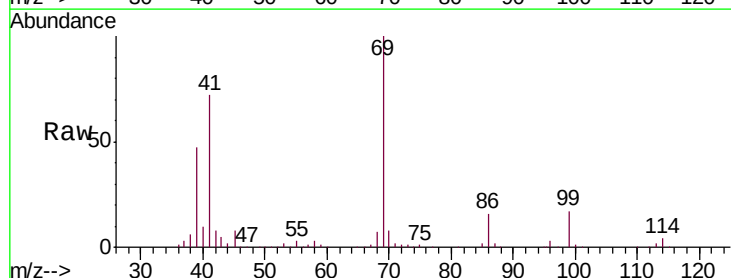
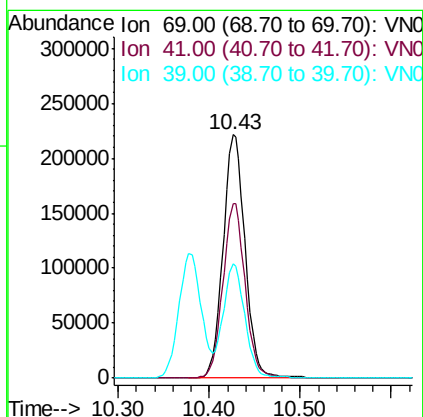
Manual Integrations
 APPROVED

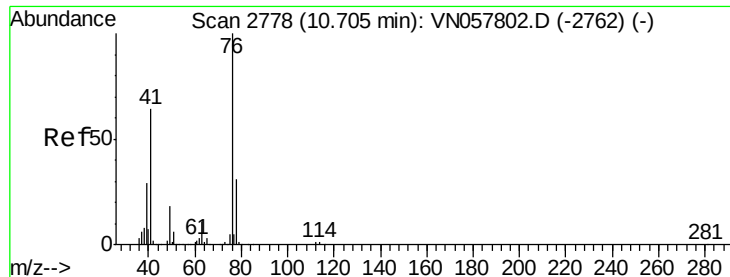
MMDadoda
 9/13/2019 7:06:06 AM



#56
 Ethyl methacrylate
 Concen: 50.356 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Tgt Ion:	69	Resp:	372946
Ion	Ratio	Lower	Upper
69	100		
41	71.0	56.7	85.1
39	46.5	36.3	54.5





#57

1,3-Dichloropropane

Concen: 49.723 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 421441

Ion Ratio Lower Upper

76 100

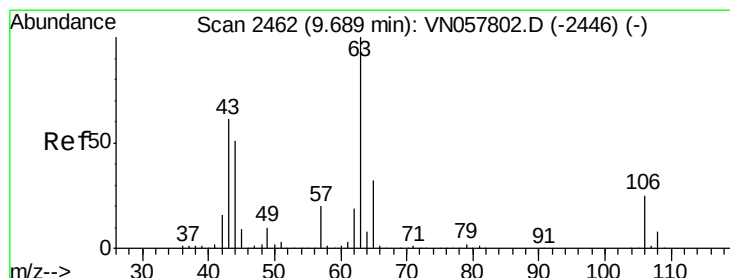
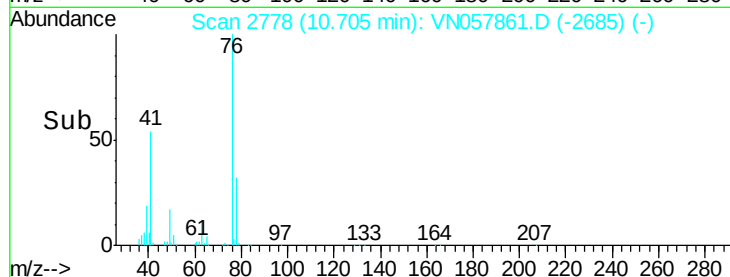
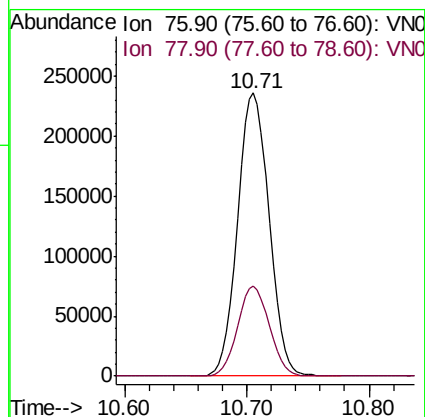
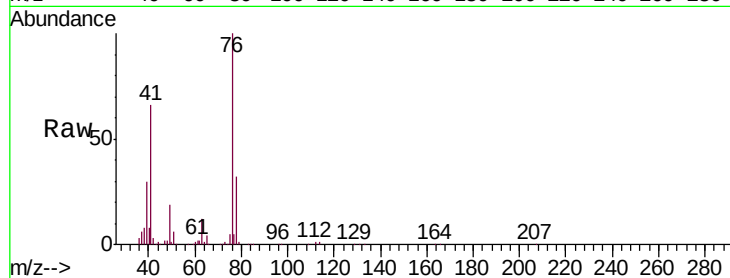
78 32.0 25.4 38.2

Manual Integrations

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MMDadoda

9/13/2019 7:06:06 AM



#58

2-Chloroethyl Vinyl ether

Concen: 256.225 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057861.D

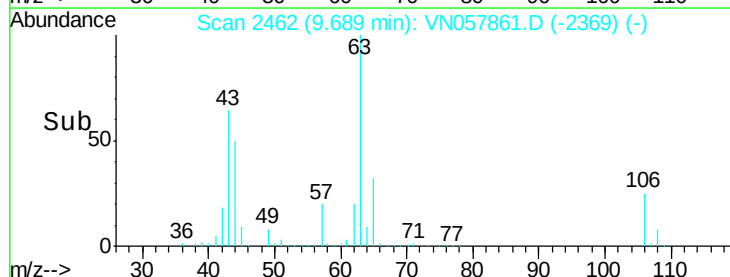
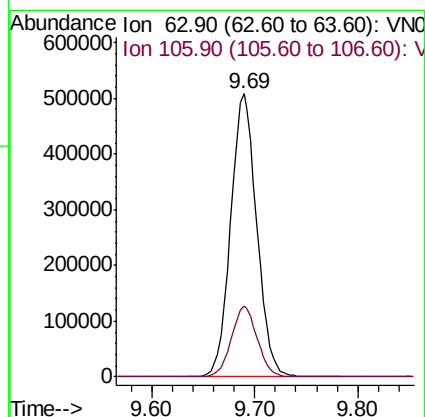
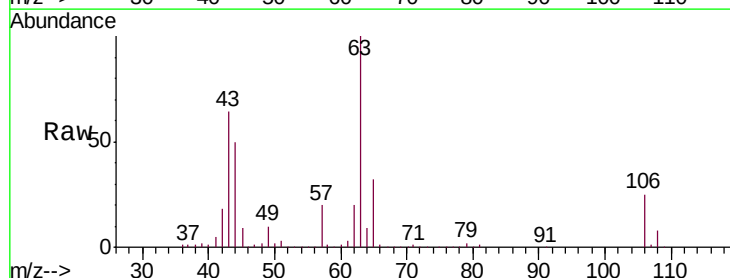
Acq: 10 Sep 2019 14:42

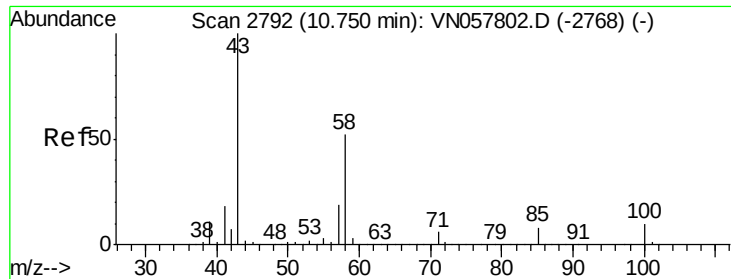
Tgt Ion: 63 Resp: 893778

Ion Ratio Lower Upper

63 100

106 24.7 20.0 30.0





#59

2-Hexanone

Concen: 253.693 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1197130

Ion Ratio Lower Upper

43 100

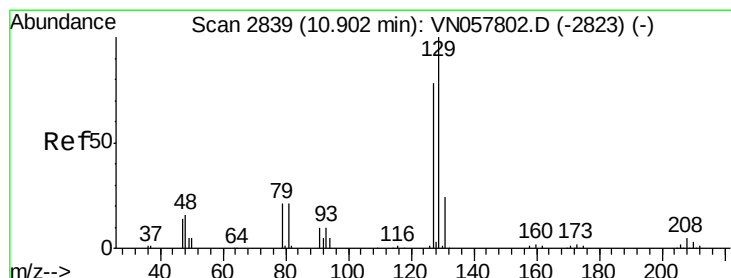
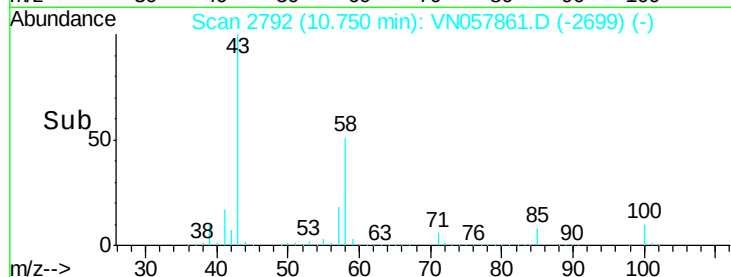
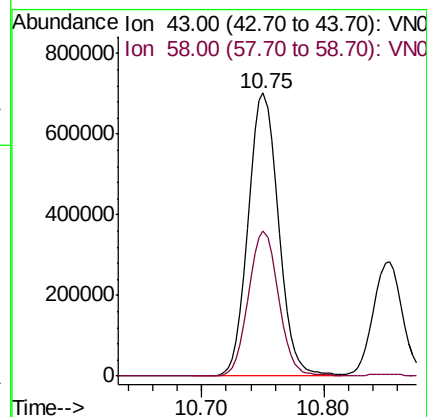
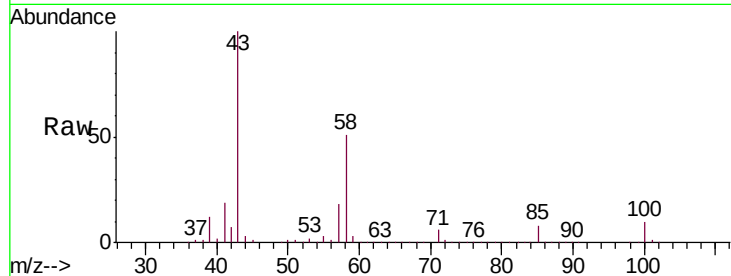
58 51.1 25.6 76.8

Manual Integrations

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#60

Dibromochloromethane

Concen: 52.906 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057861.D

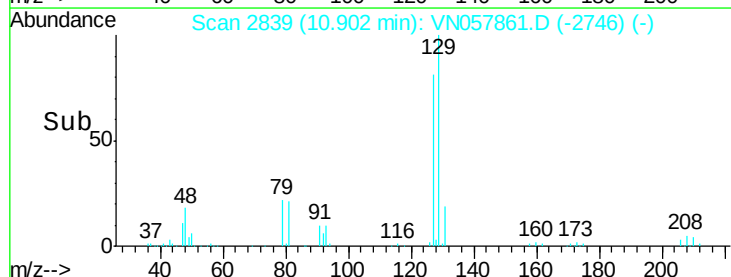
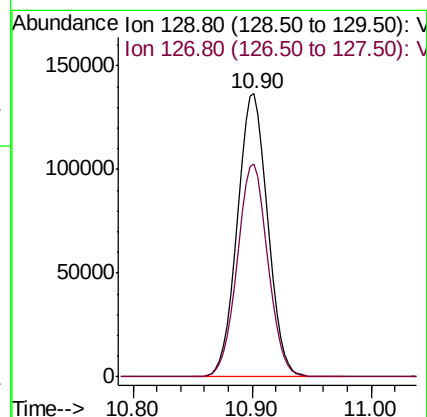
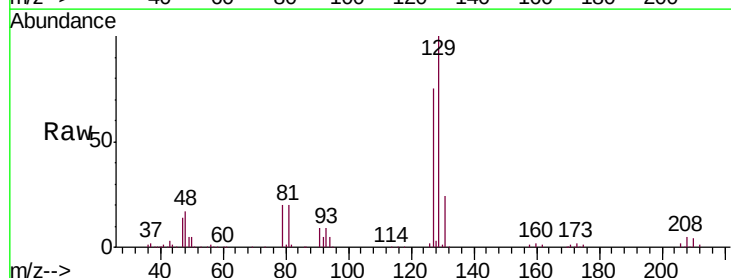
Acq: 10 Sep 2019 14:42

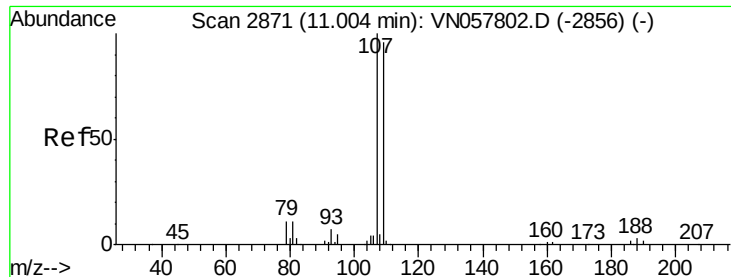
Tgt Ion: 129 Resp: 241621

Ion Ratio Lower Upper

129 100

127 76.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.459 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 234616

Ion Ratio Lower Upper

107 100

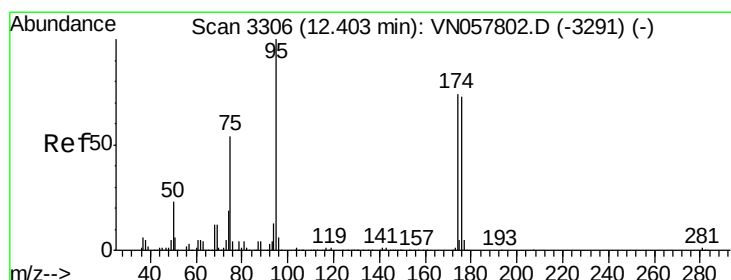
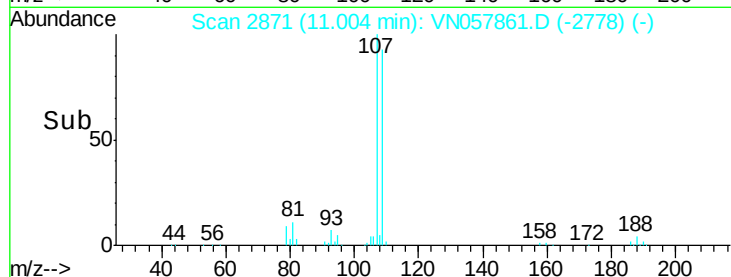
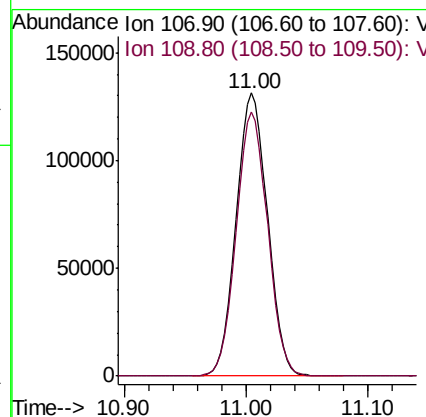
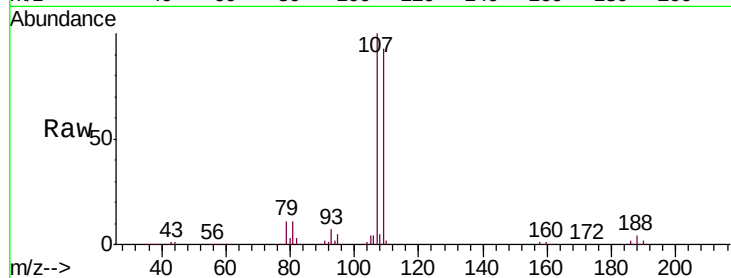
109 93.4 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.982 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

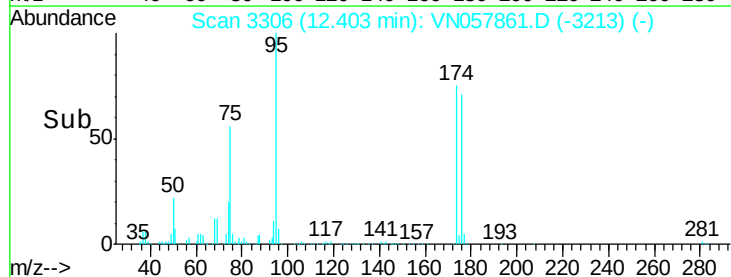
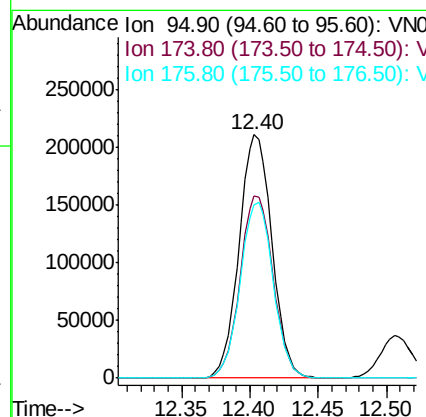
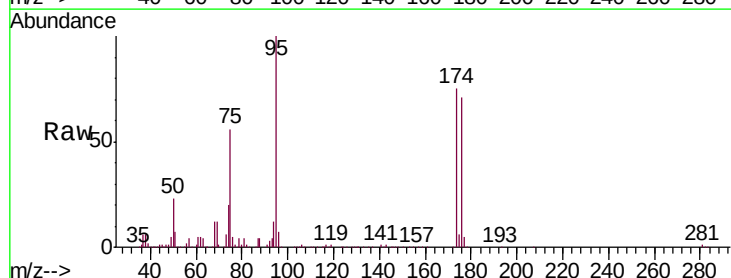
Tgt Ion: 95 Resp: 353157

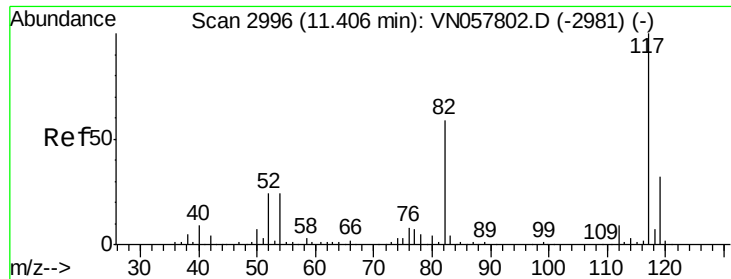
Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

176 72.6 0.0 146.0





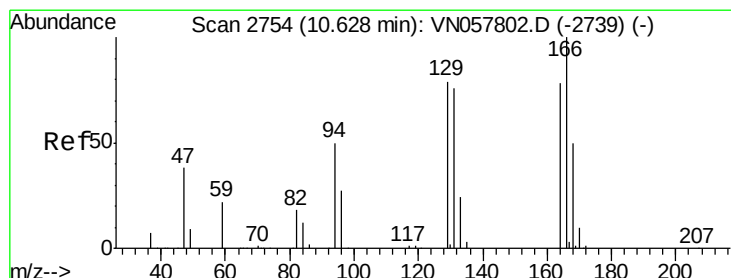
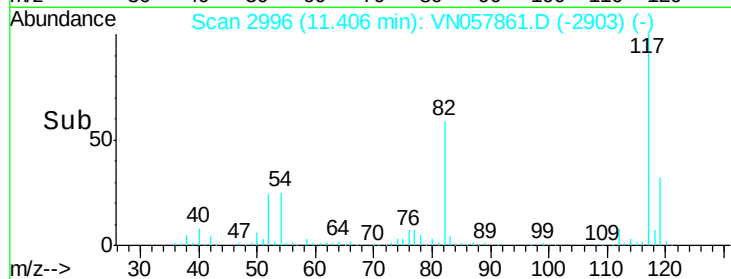
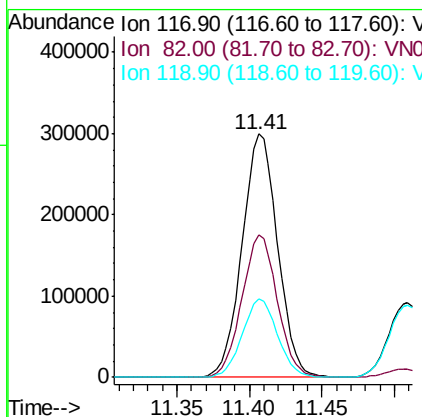
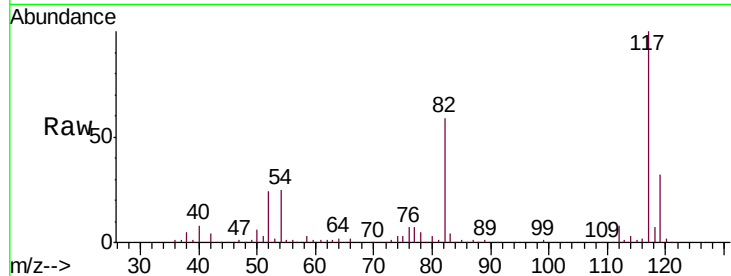
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	510344		
82	58.5	47.2	70.8	
119	32.1	25.3	37.9	

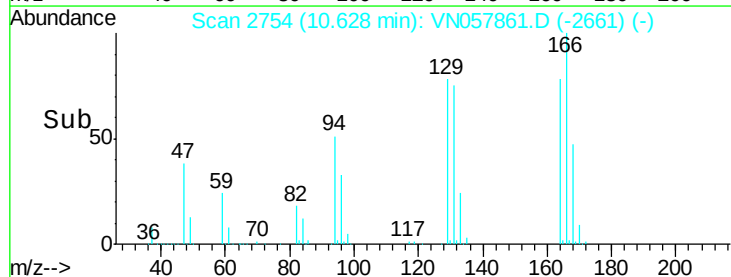
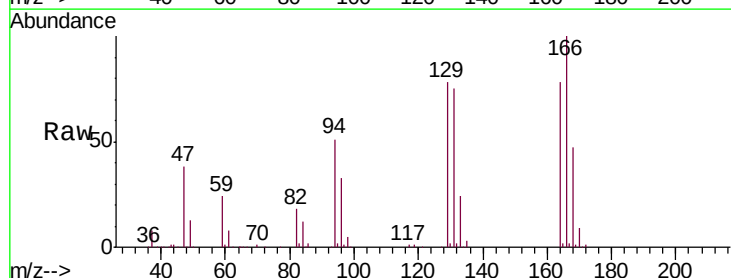
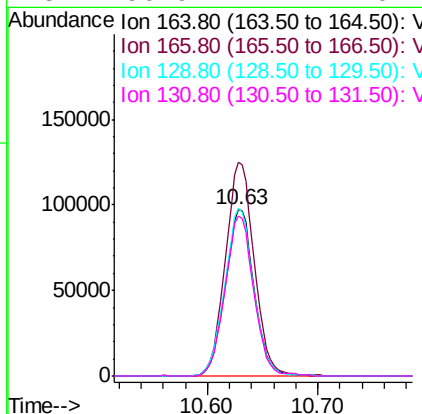
Manual Integrations
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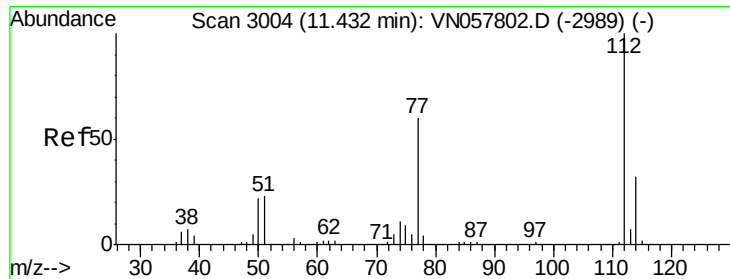
MMDadoda
9/13/2019 7:06:06 AM



#64
Tetrachloroethene
Concen: 46.729 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	176081		
166	128.8	102.2	153.2	
129	101.1	80.8	121.2	
131	96.9	77.4	116.2	





#65

Chlorobenzene

Concen: 48.643 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 649679

Ion Ratio Lower Upper

112 100

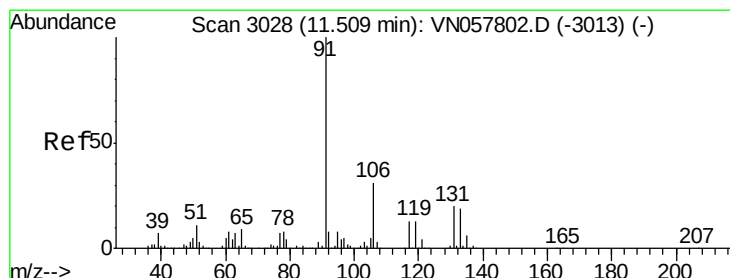
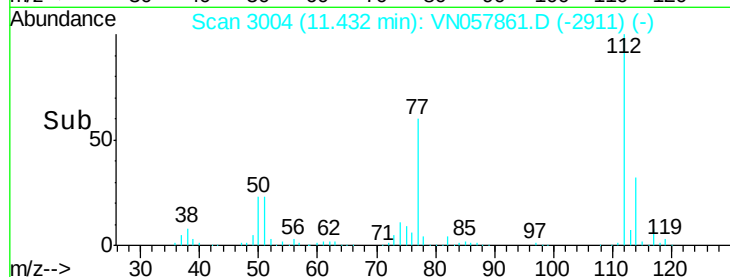
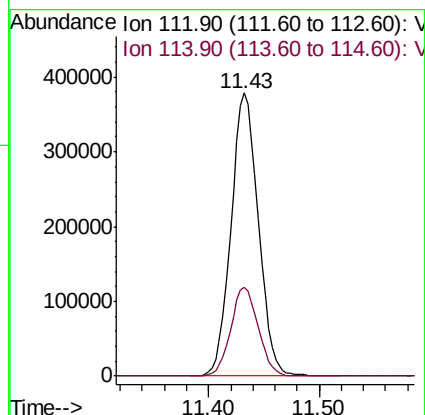
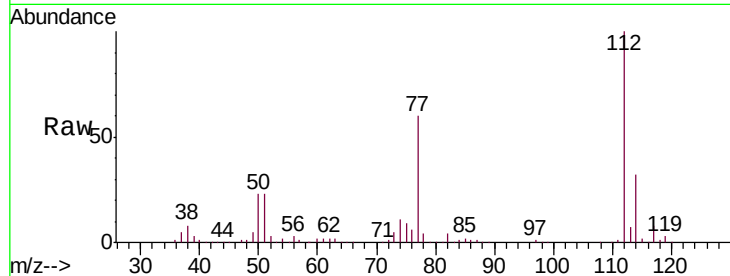
114 31.6 25.2 37.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.334 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

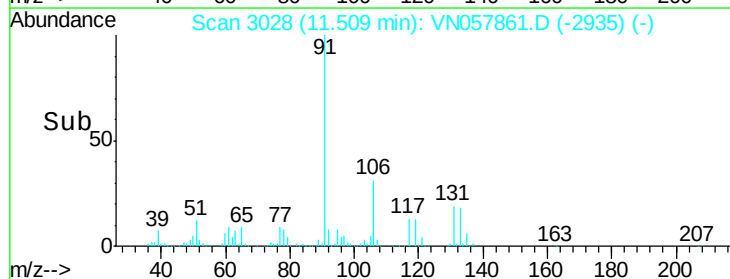
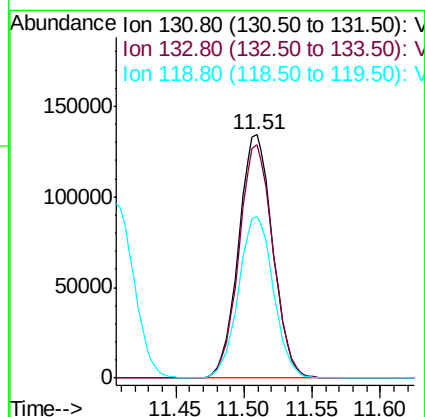
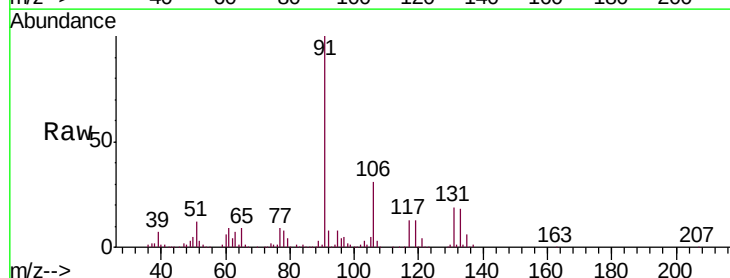
Tgt Ion:131 Resp: 233274

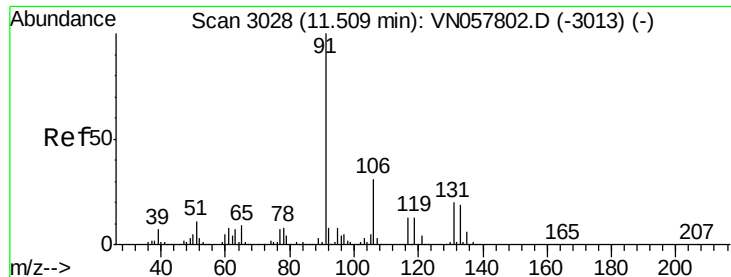
Ion Ratio Lower Upper

131 100

133 95.7 47.1 141.3

119 67.9 33.3 99.8





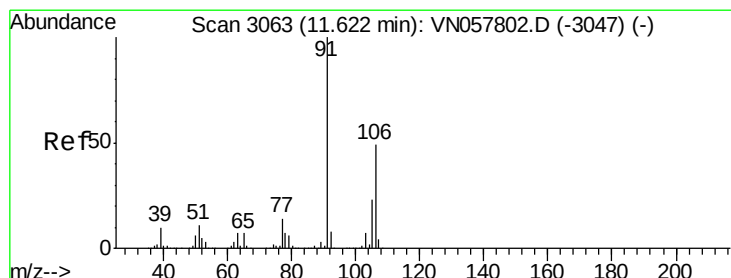
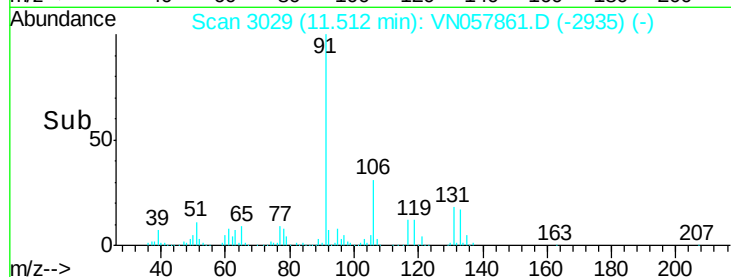
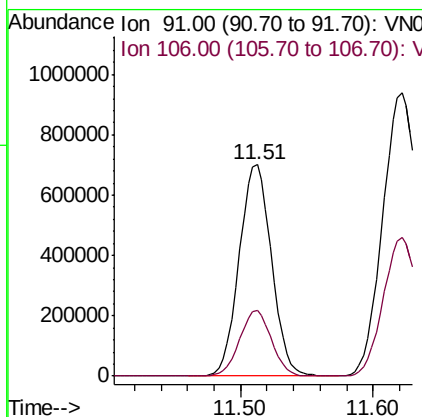
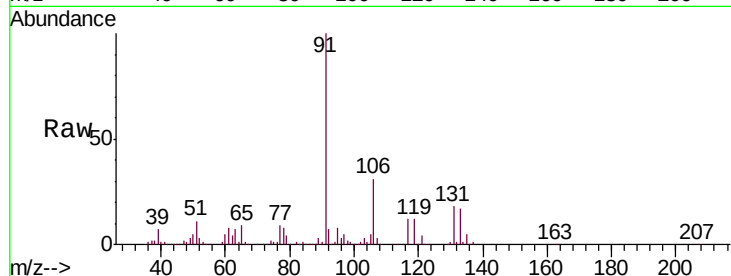
#67
Ethyl Benzene
Concen: 50.723 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 91 Resp: 1187278
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6

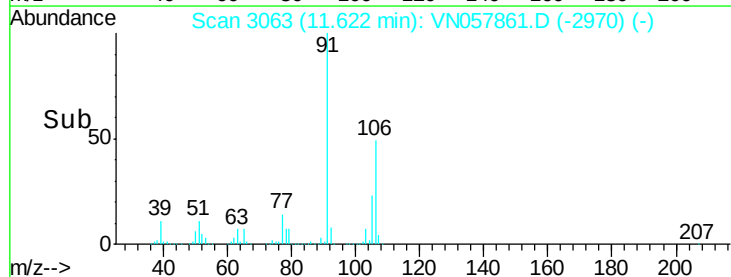
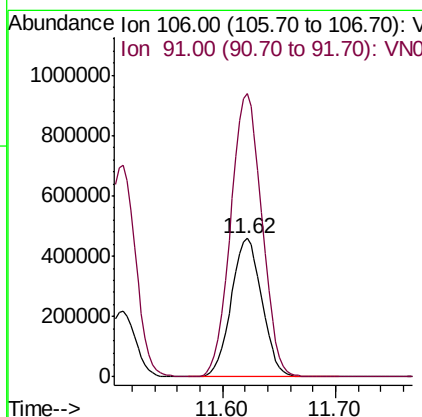
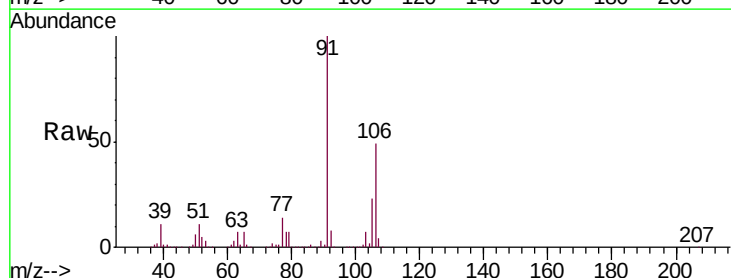
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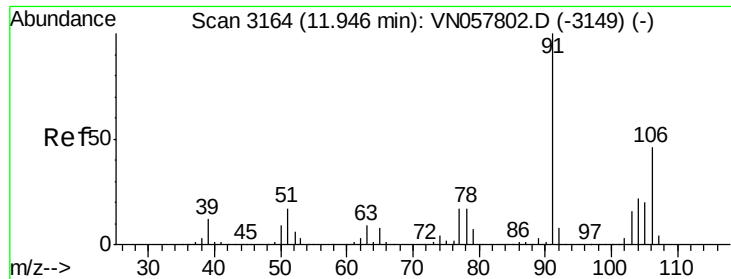
MMDadoda
9/13/2019 7:06:06 AM



#68
m/p-Xylenes
Concen: 101.283 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion: 106 Resp: 868402
Ion Ratio Lower Upper
106 100
91 207.5 165.8 248.6





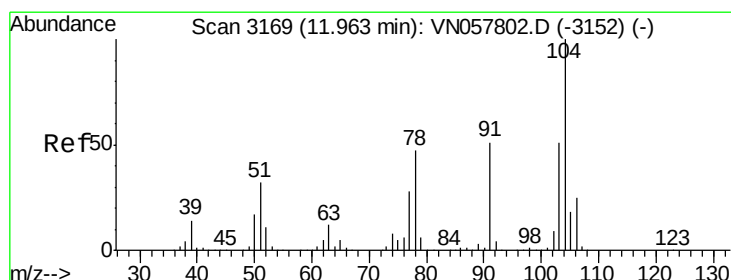
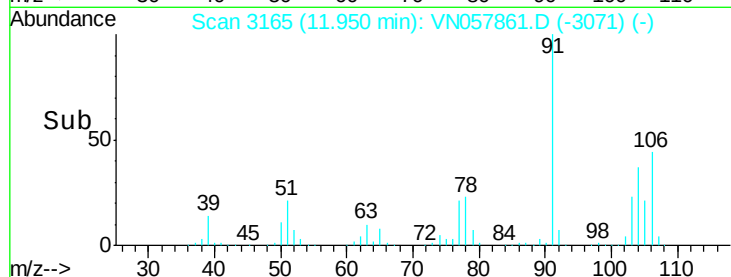
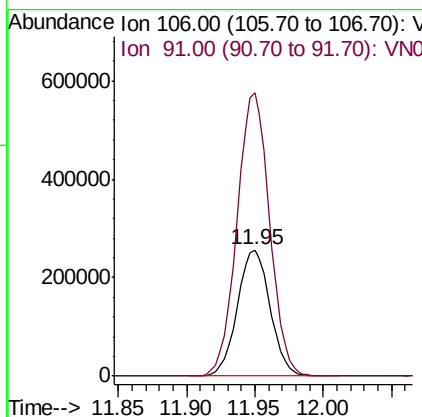
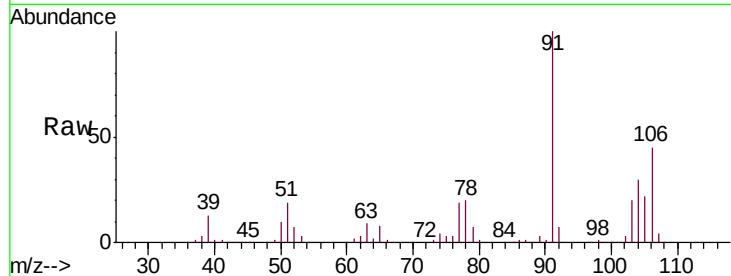
#69
o-Xylene
Concen: 50.246 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 428292
Ion Ratio Lower Upper
106 100
91 222.5 108.7 326.1

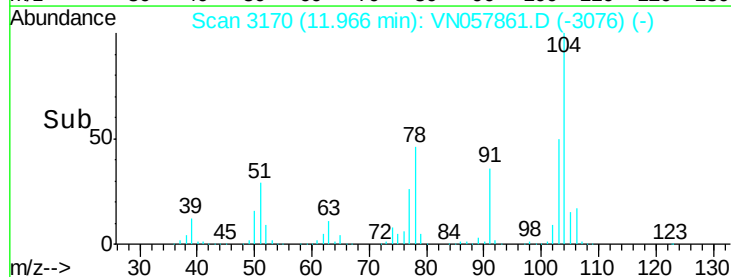
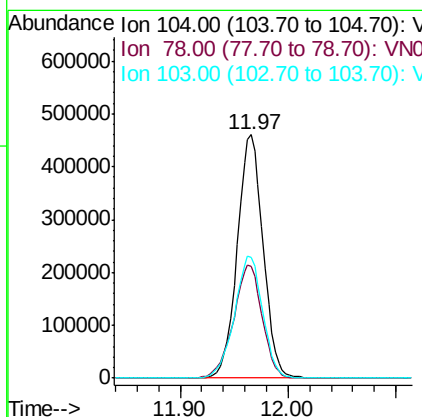
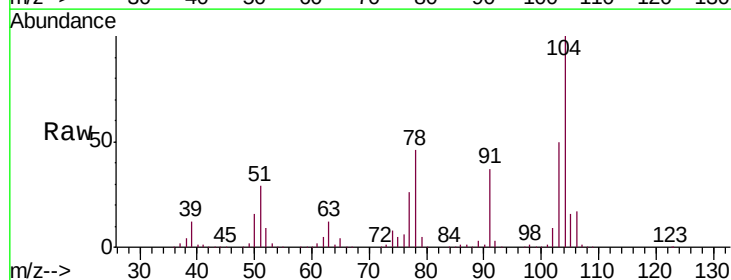
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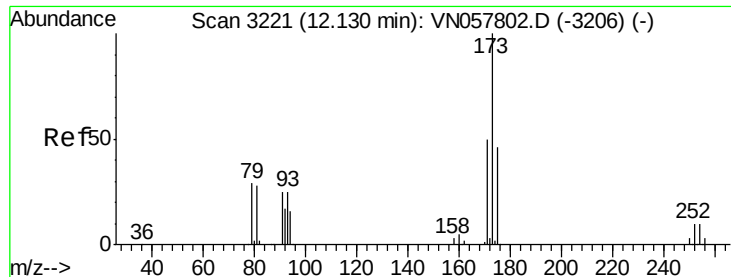
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#70
Styrene
Concen: 52.433 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion:104 Resp: 769156
Ion Ratio Lower Upper
104 100
78 51.5 41.3 61.9
103 54.6 43.7 65.5





#71

Bromoform

Concen: 50.848 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 146921

Ion Ratio Lower Upper

173 100

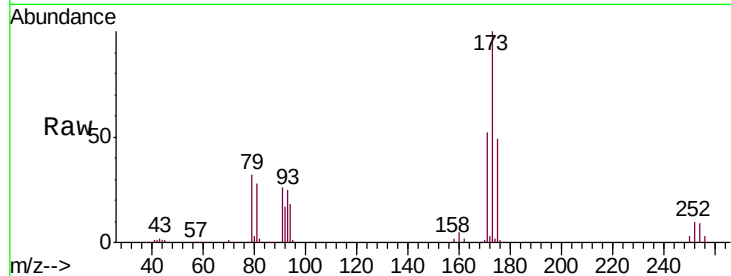
175 49.9 23.5 70.6

254 0.0 0.1 0.1#

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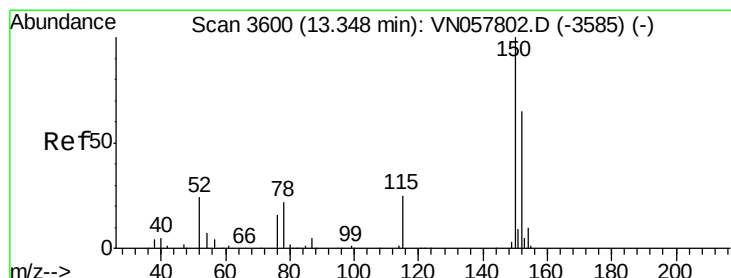
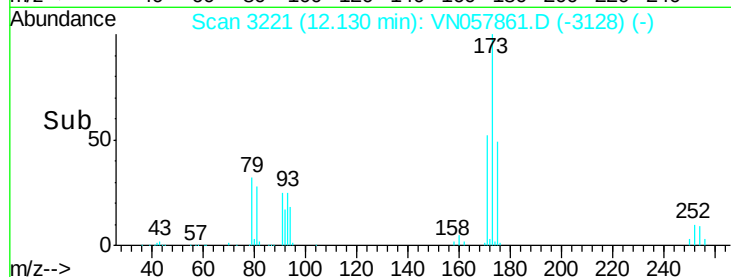
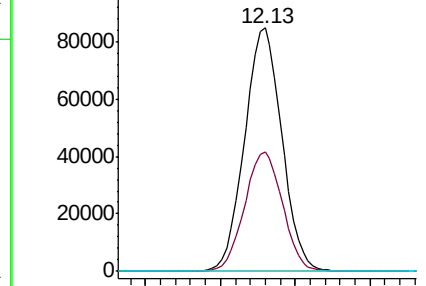
9/13/2019 7:06:06 AM



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: VN057861.D

Acq: 10 Sep 2019 14:42

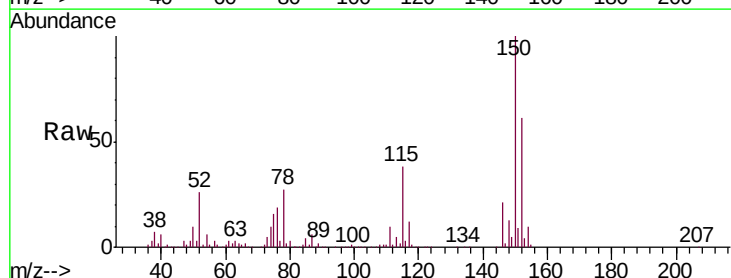
Tgt Ion:152 Resp: 312561

Ion Ratio Lower Upper

152 100

115 61.5 30.3 91.0

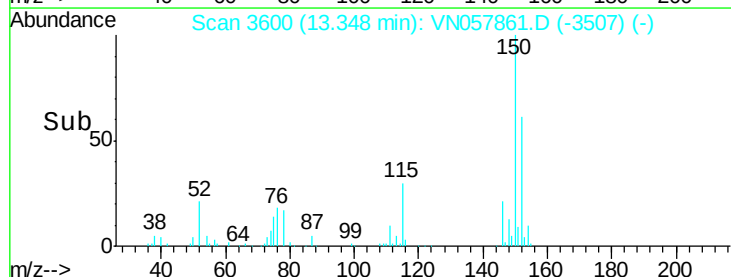
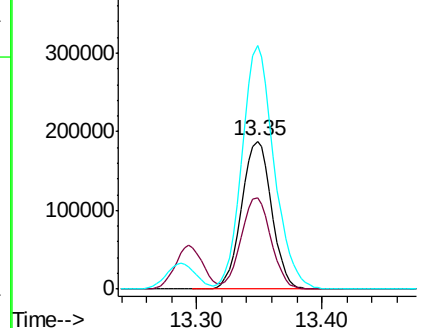
150 174.9 0.0 352.4

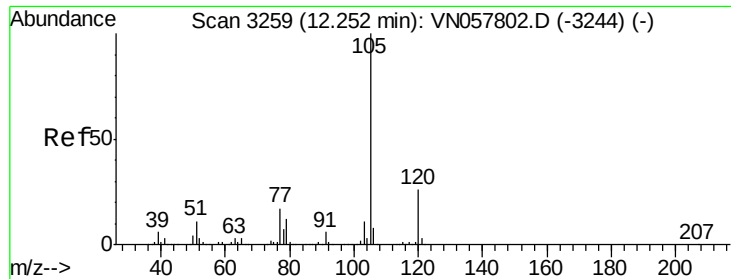


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.744 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1206479

Ion Ratio Lower Upper

105 100

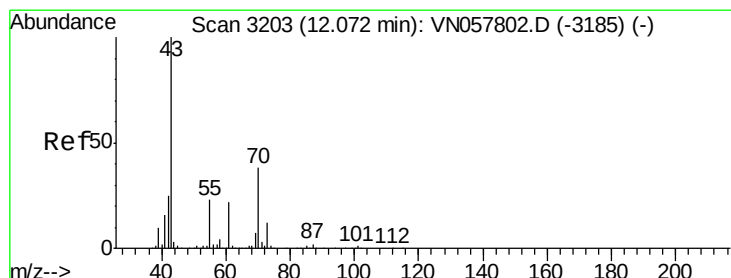
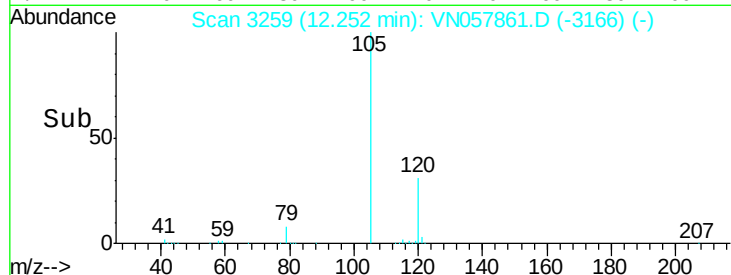
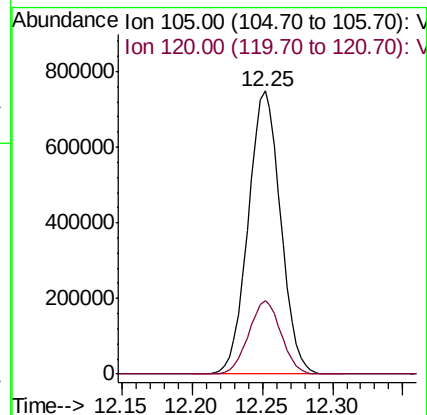
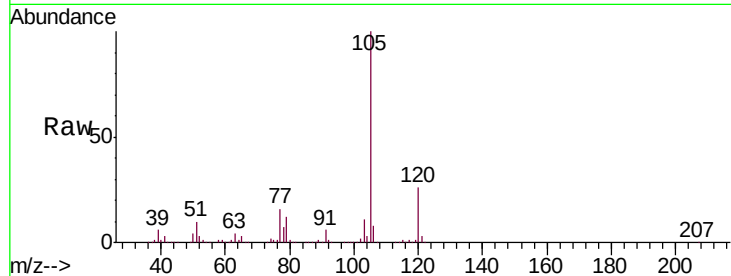
120 25.9 12.8 38.4

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#74

N-ethyl acetate

Concen: 47.721 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Tgt Ion: 43 Resp: 503711

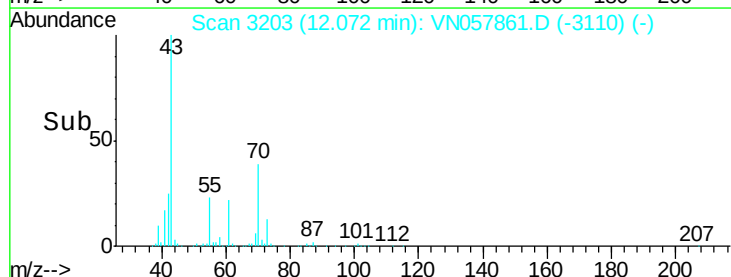
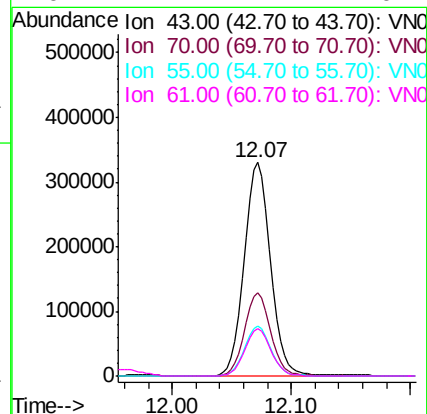
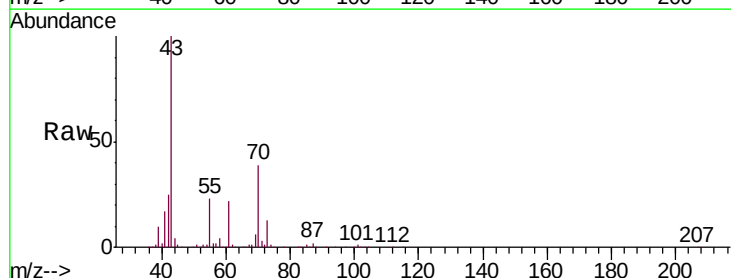
Ion Ratio Lower Upper

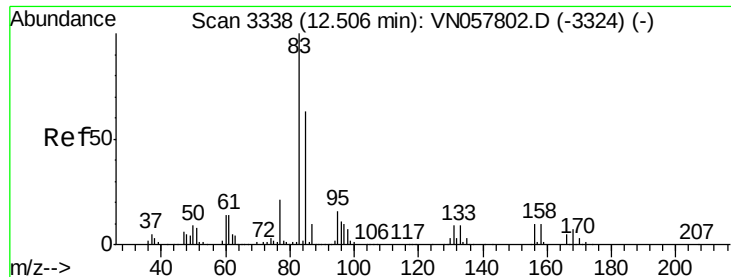
43 100

70 39.1 30.6 45.8

55 23.8 18.6 27.8

61 22.2 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.397 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

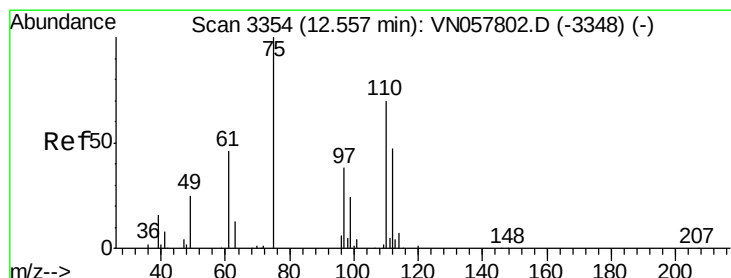
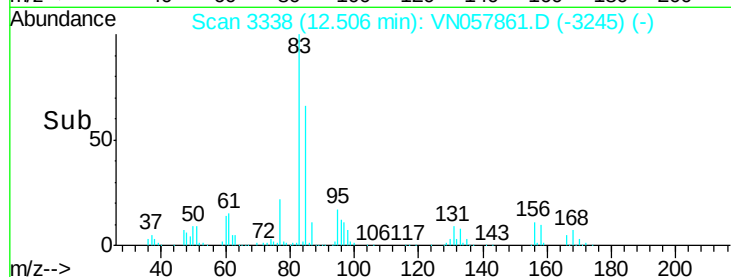
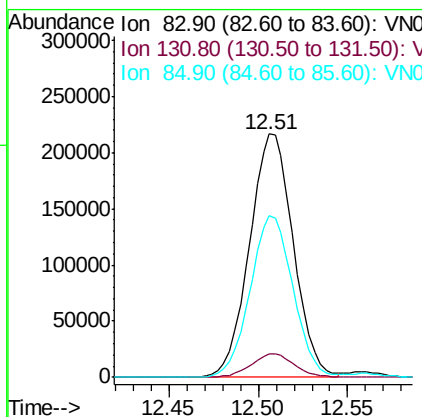
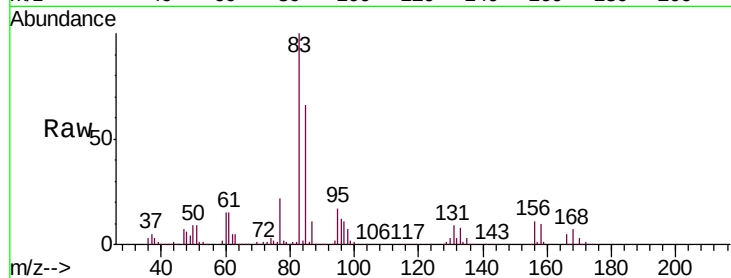
ClientSampled :

VSTDCCC050

Tgt Ion:	83	Resp:	370722
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	65.1	31.6	94.7

Manual Integrations
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9/13/2019 7:06:06 AM



#76

1,2,3-Trichloropropane

Concen: 46.462 ug/l m

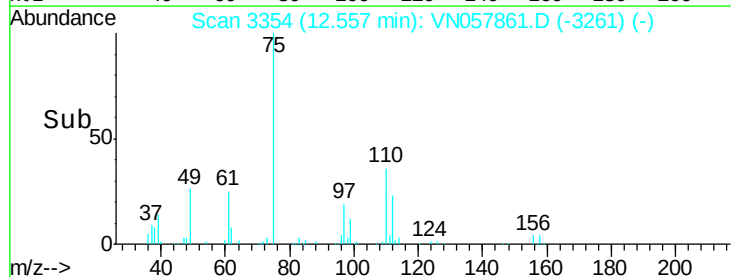
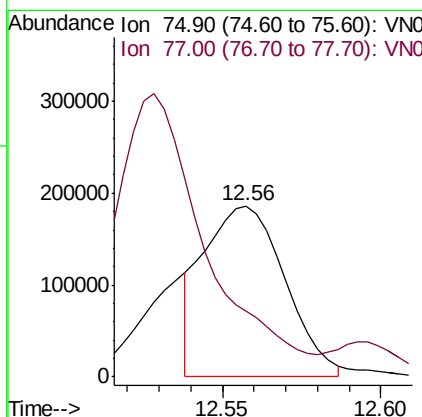
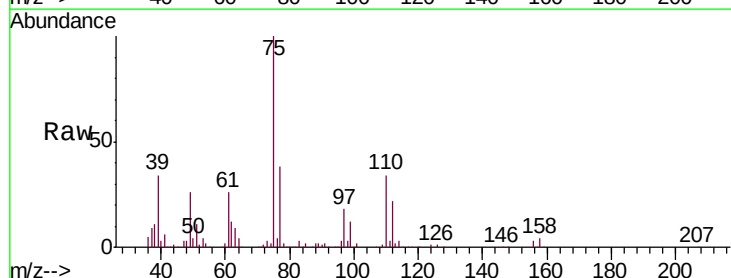
RT: 12.56 min Scan# 3354

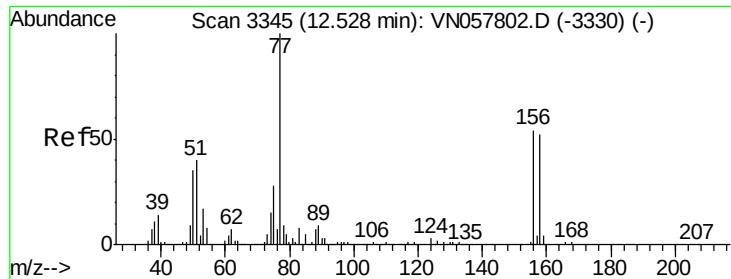
Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Tgt Ion:	75	Resp:	328521
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.462 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

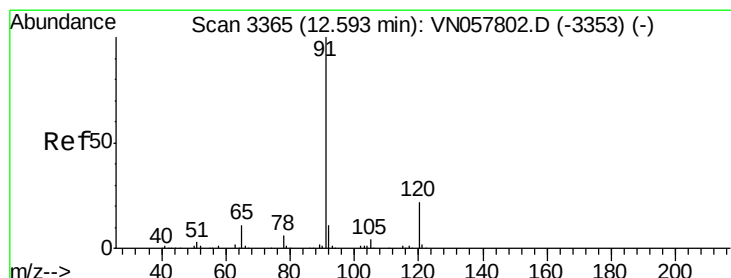
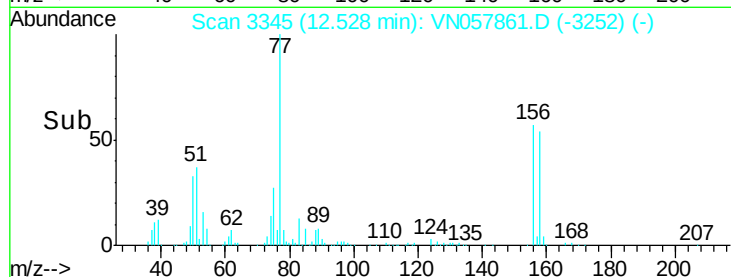
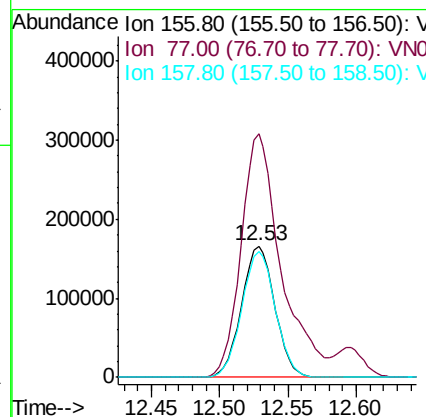
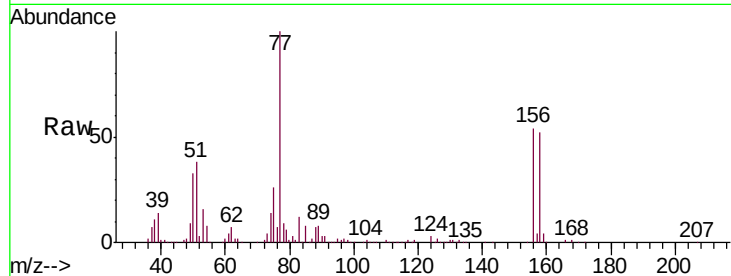
ClientSampled :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	223.5	113.7	341.1
158	97.0	48.5	145.6

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#78

n-propylbenzene

Concen: 51.613 ug/l

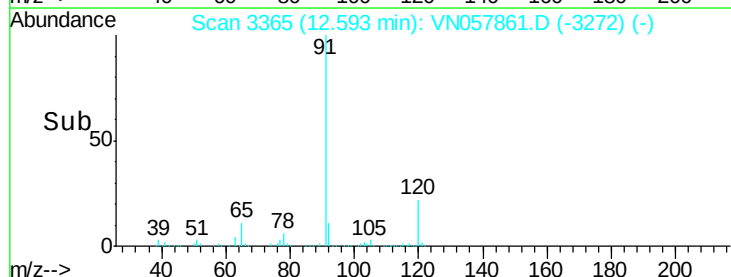
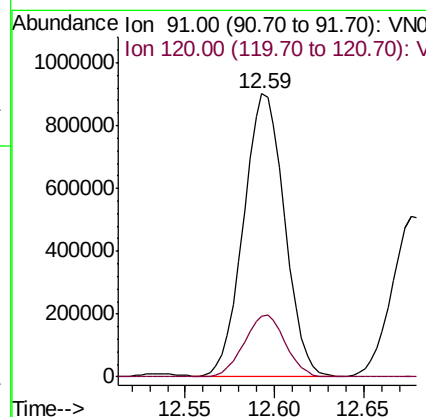
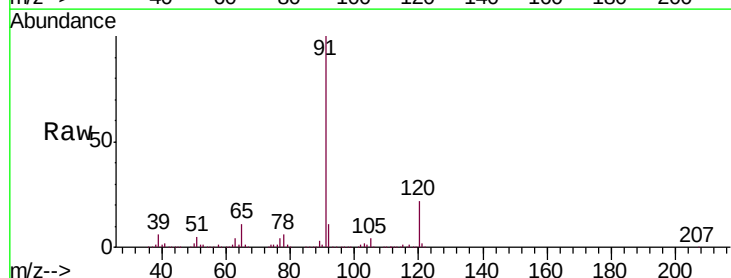
RT: 12.59 min Scan# 3365

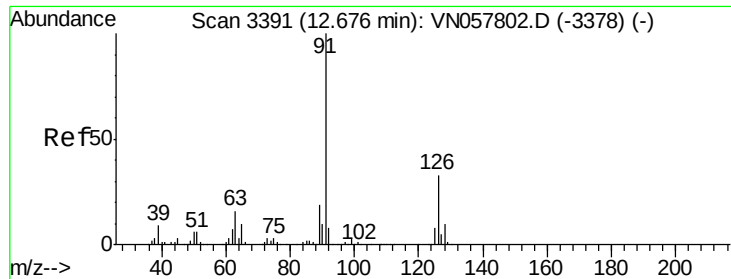
Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 47.893 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 91 Resp: 843041

Ion Ratio Lower Upper

91 100

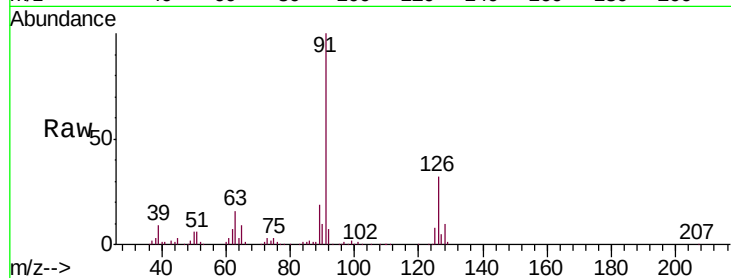
126 32.4 16.4 49.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057802.D (-3378) (-)

800000

600000

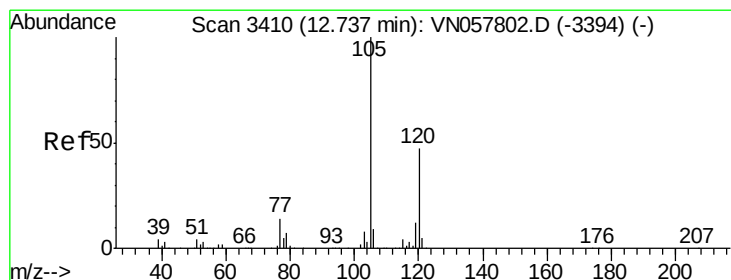
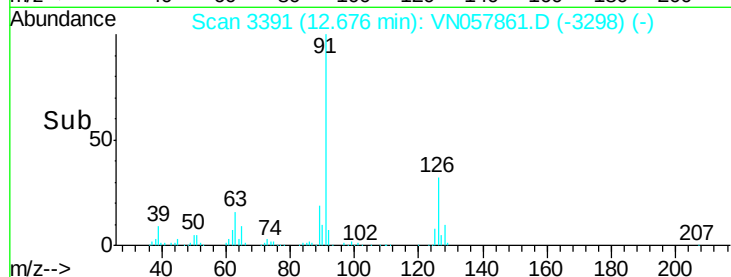
400000

200000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.125 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057861.D

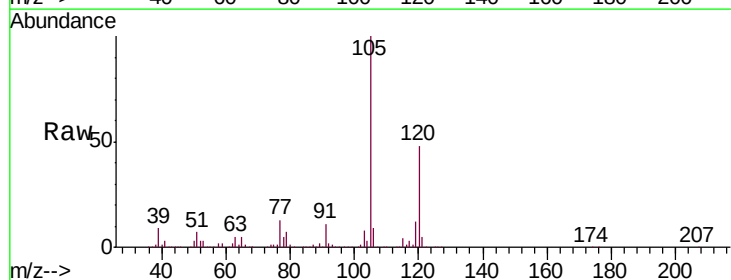
Acq: 10 Sep 2019 14:42

Tgt Ion: 105 Resp: 1047698

Ion Ratio Lower Upper

105 100

120 47.3 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN057802.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN057802.D (-3394) (-)

800000

600000

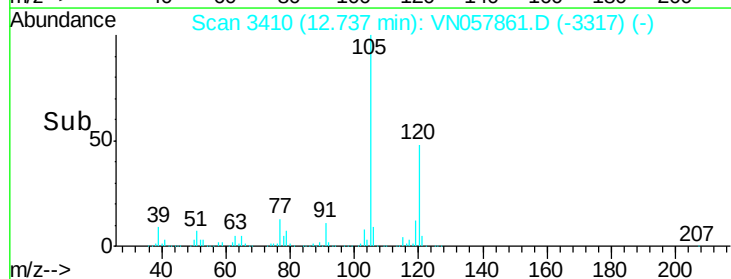
400000

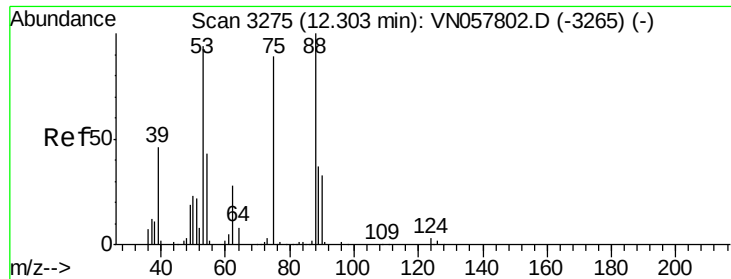
200000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.352 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

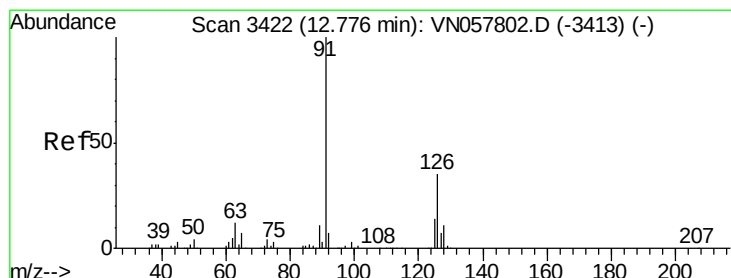
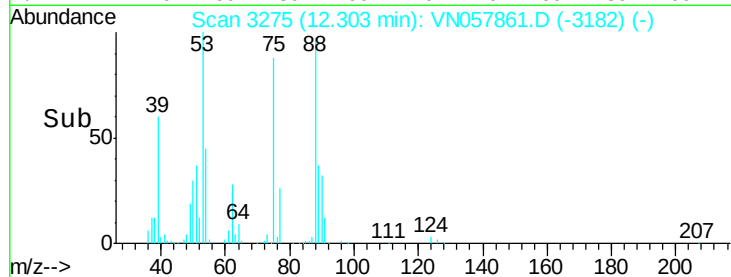
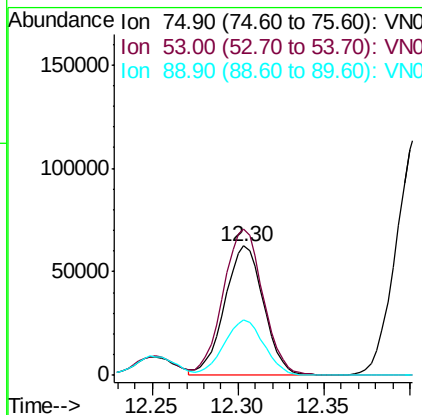
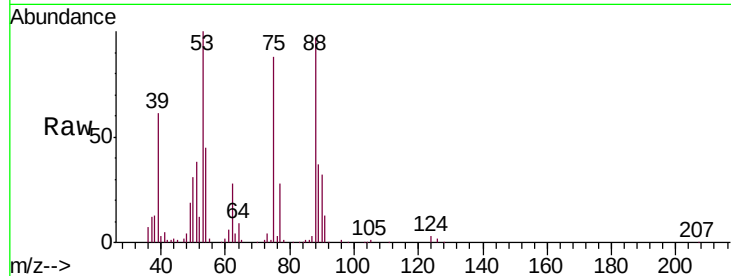
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	99161
Ion	Ratio	Lower	Upper
75	100		
53	115.8	88.4	132.6
89	43.5	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.313 ug/l

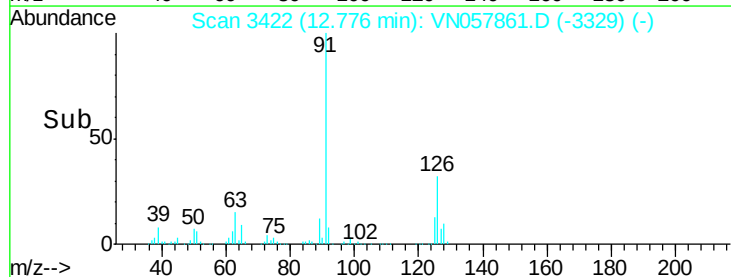
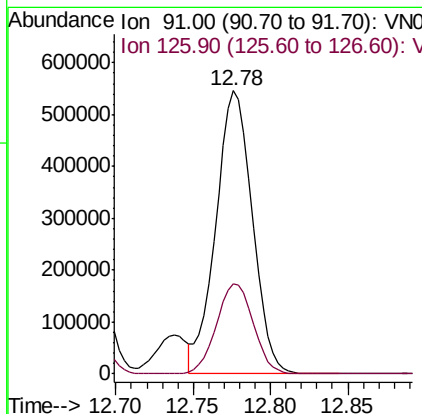
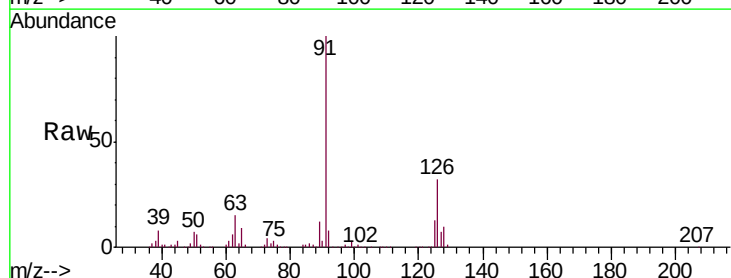
RT: 12.78 min Scan# 3422

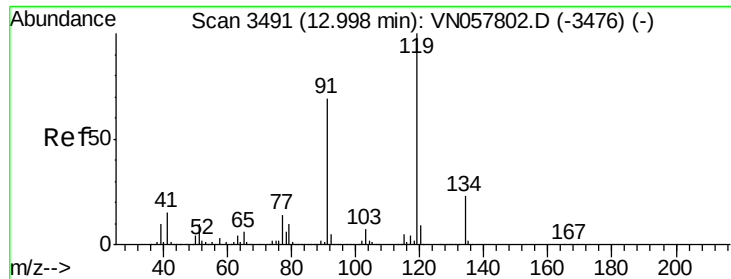
Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Tgt Ion:	91	Resp:	891417
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	48.0





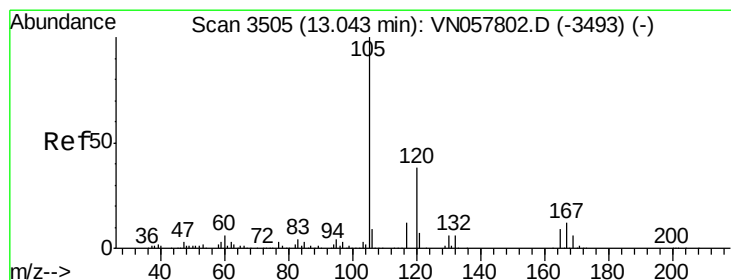
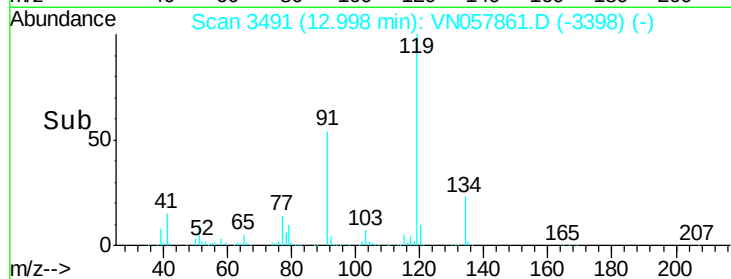
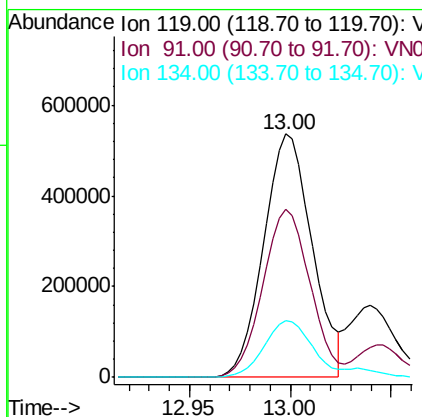
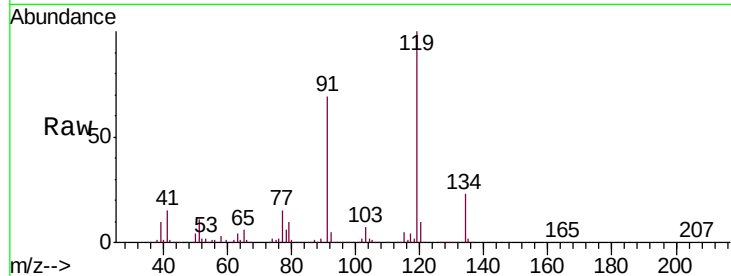
#83
 tert-Butylbenzene
 Concen: 49.134 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	895050		
91	67.5	33.6	100.8	
134	23.3	11.7	35.0	

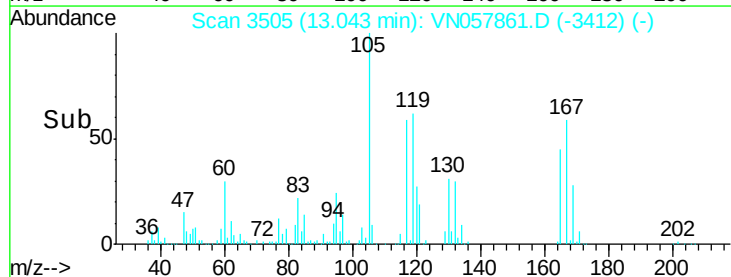
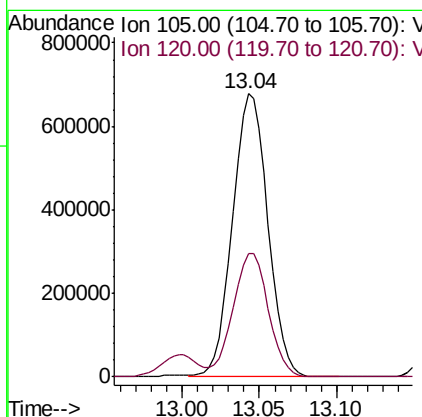
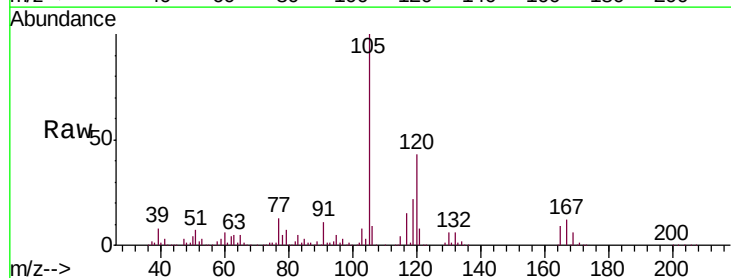
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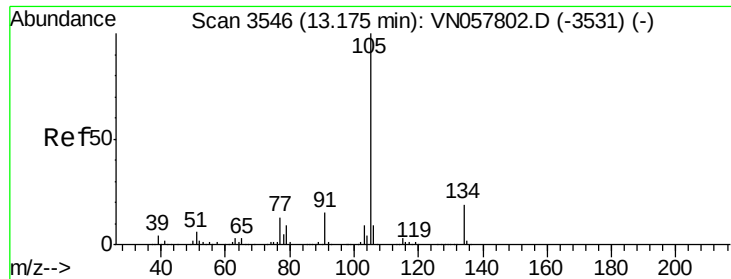
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.329 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1069080		
120	43.6	22.4	67.2	





#85

sec-Butylbenzene

Concen: 51.383 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1240599

Ion Ratio Lower Upper

105 100

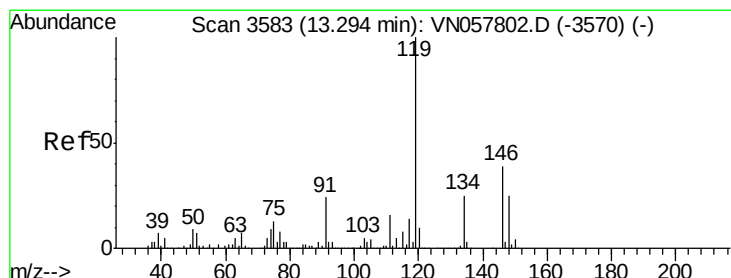
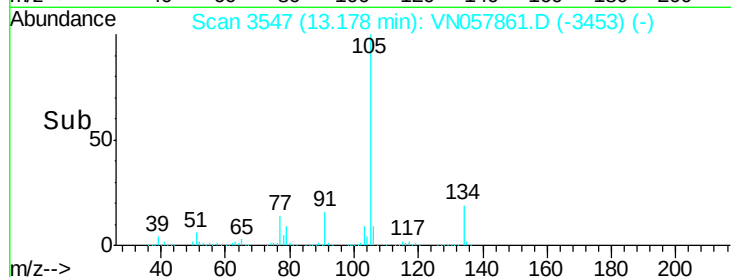
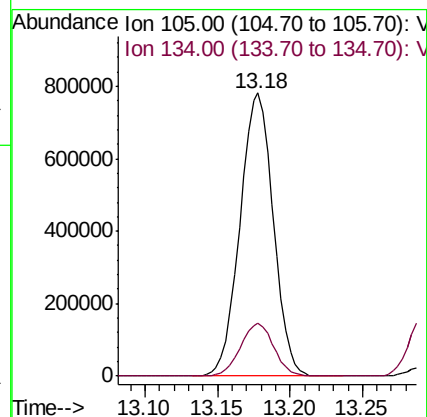
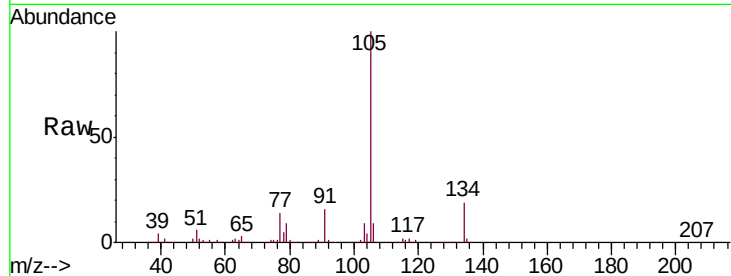
134 18.7 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 52.927 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

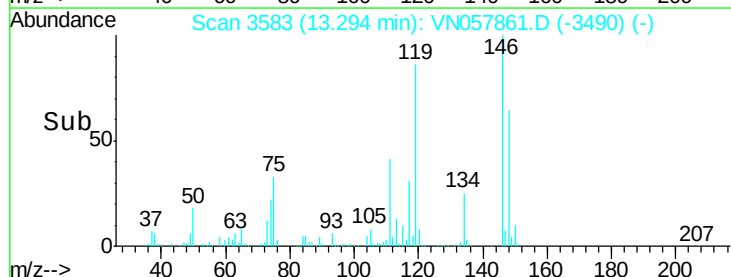
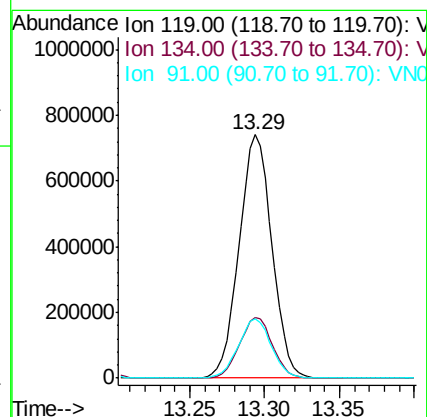
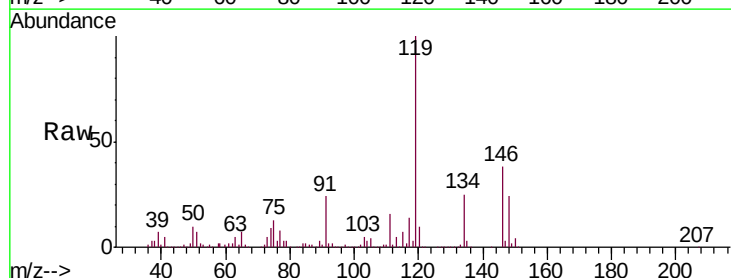
Tgt Ion:119 Resp: 1125948

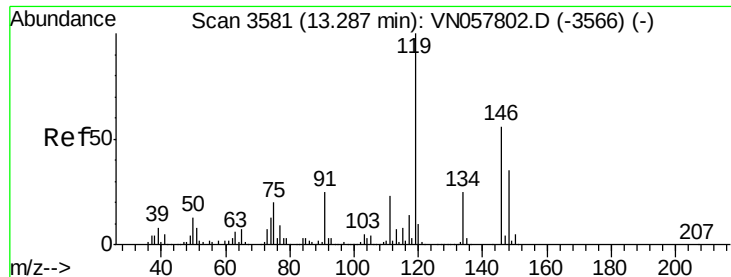
Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

91 24.4 12.3 36.8





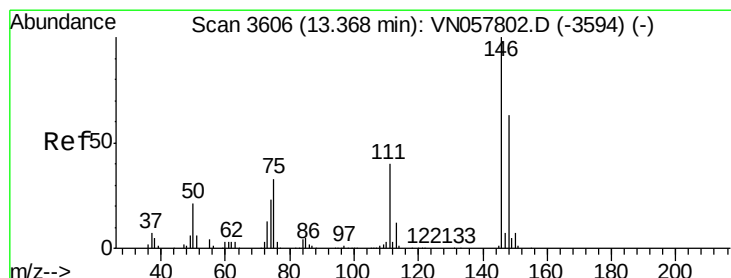
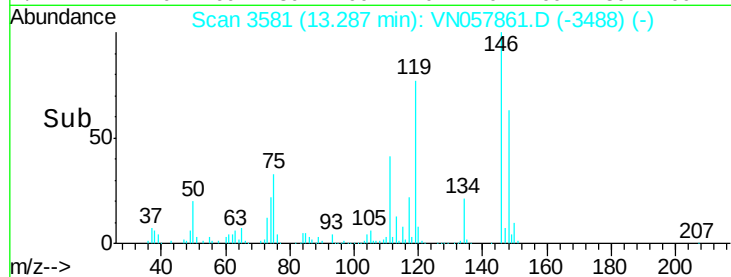
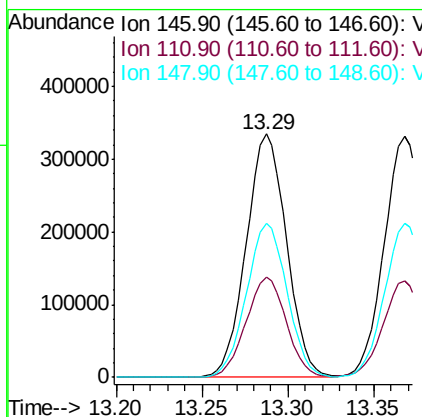
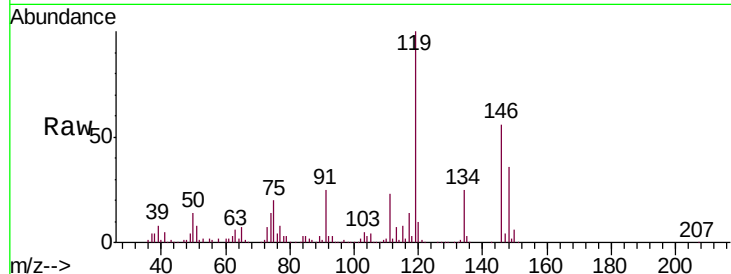
#87
 1,3-Dichlorobenzene
 Concen: 49.079 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	544738		
111	41.1	20.5	61.6	
148	63.6	31.5	94.5	

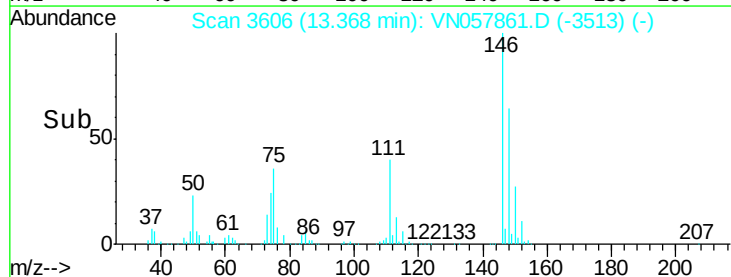
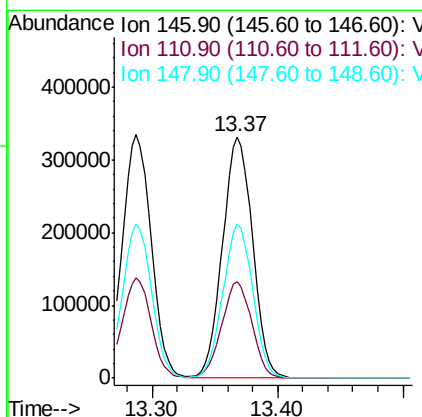
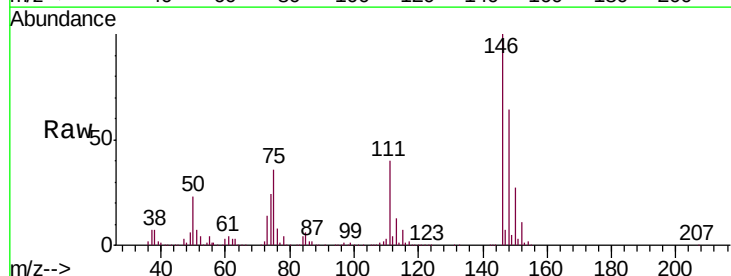
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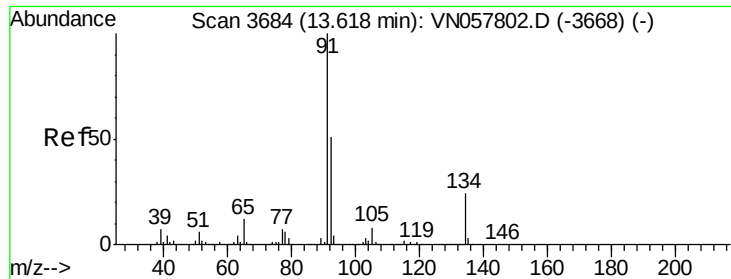
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#88
 1,4-Dichlorobenzene
 Concen: 48.858 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	550453		
111	39.8	20.4	61.2	
148	63.6	31.8	95.4	





#89

n-Butylbenzene

Concen: 53.076 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA_N

ClientSampled :

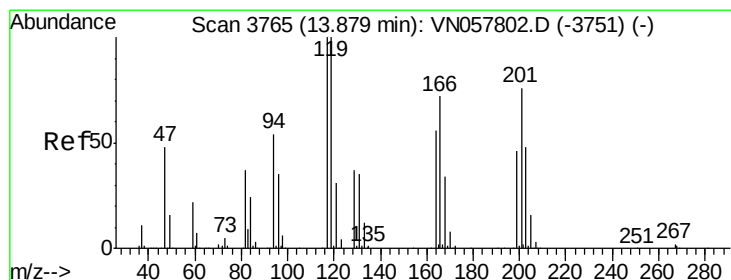
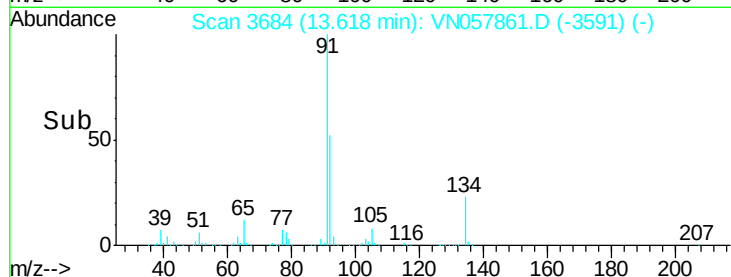
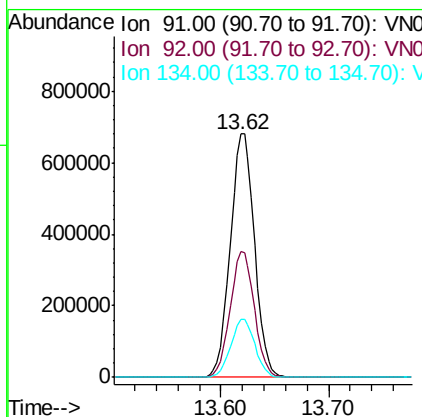
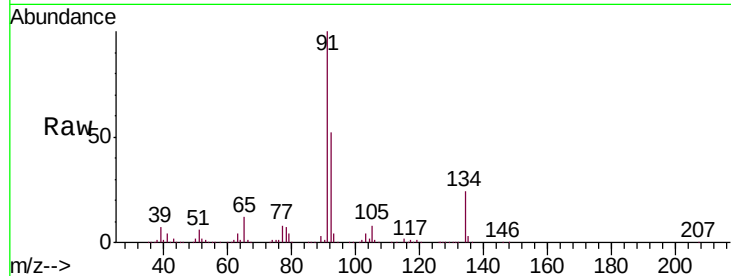
VSTDCCC050

Tgt Ion: 91 Resp: 1066301

Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.0
134	23.9	11.9	35.7

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#90

Hexachloroethane

Concen: 52.434 ug/l

RT: 13.88 min Scan# 3765

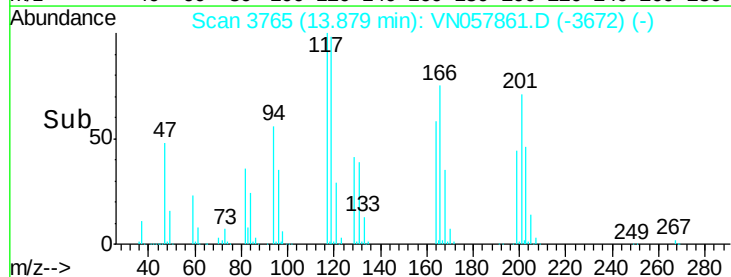
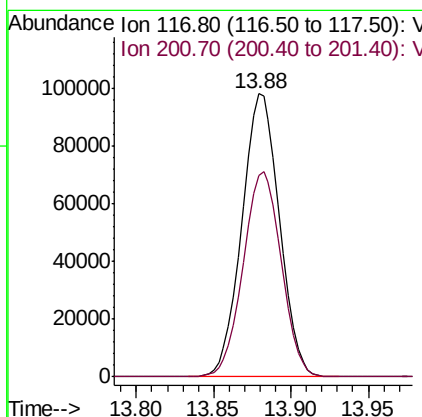
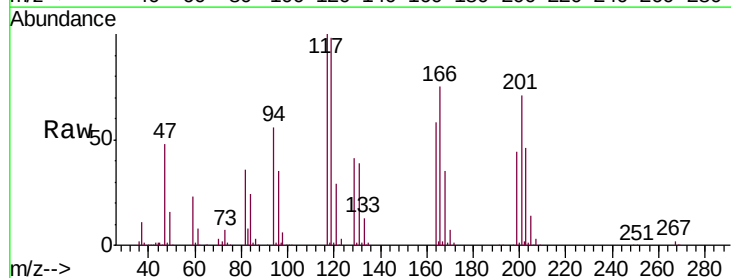
Delta R.T. 0.00 min

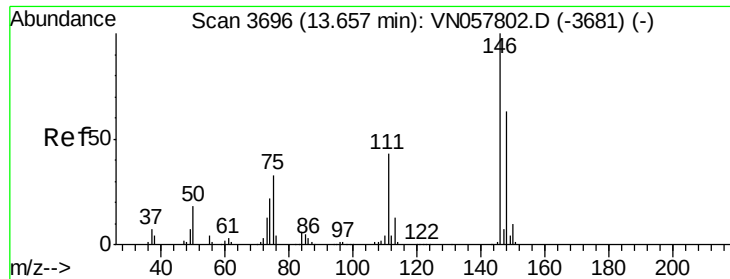
Lab File: VN057861.D

Acq: 10 Sep 2019 14:42

Tgt Ion: 117 Resp: 165892

Ion	Ratio	Lower	Upper
117	100		
201	73.3	37.5	112.7





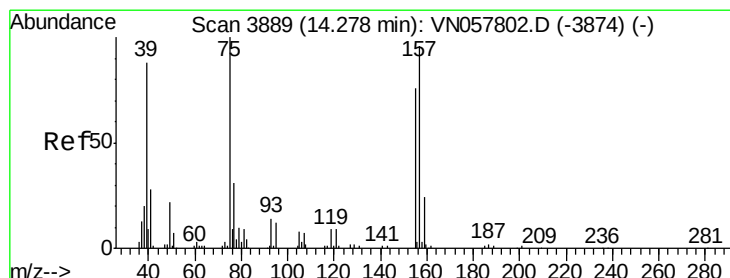
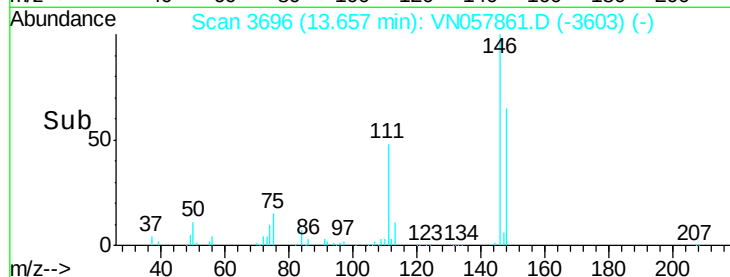
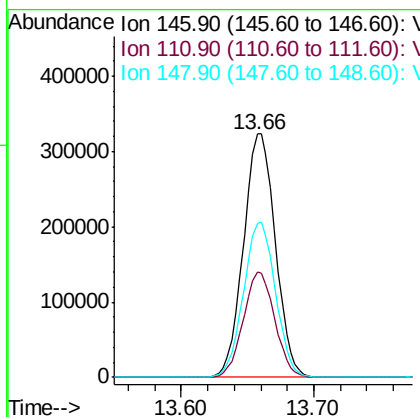
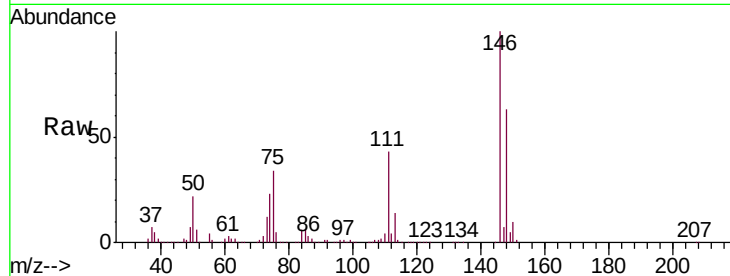
#91
 1,2-Dichlorobenzene
 Concen: 48.894 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.9
148	63.7	31.4	94.3

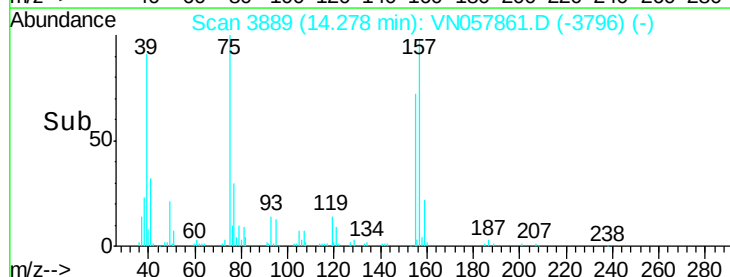
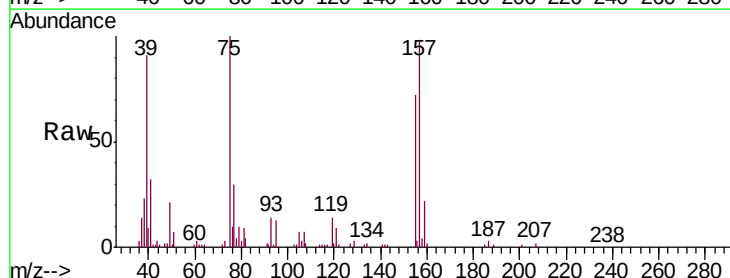
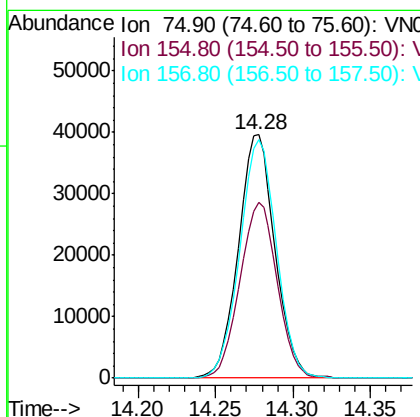
Manual Integrations
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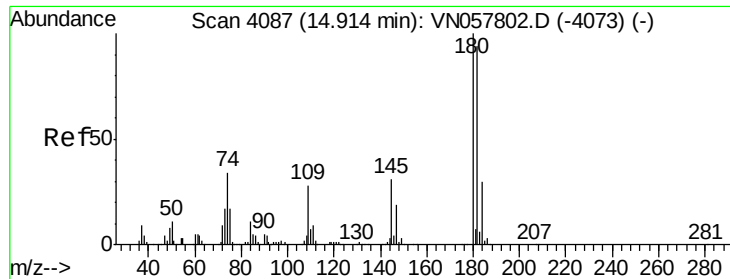
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.240 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	37.3	111.8
157	98.4	47.9	143.8





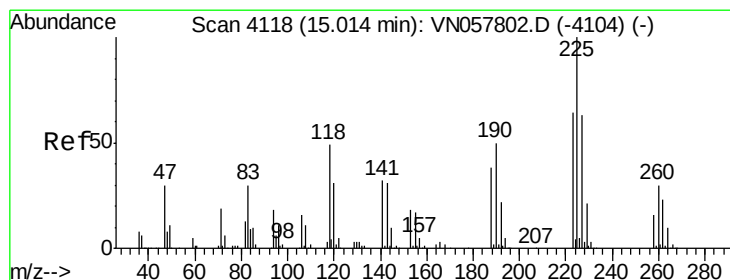
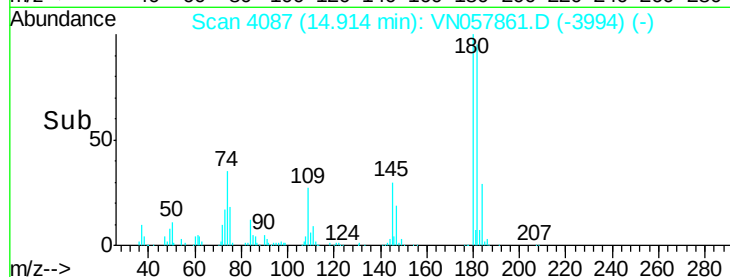
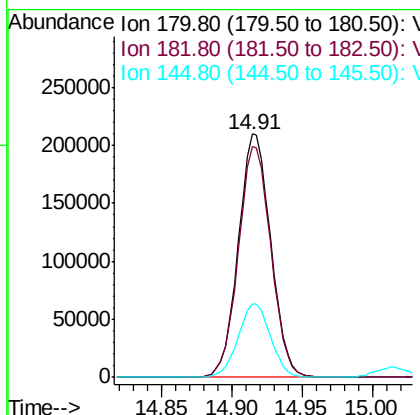
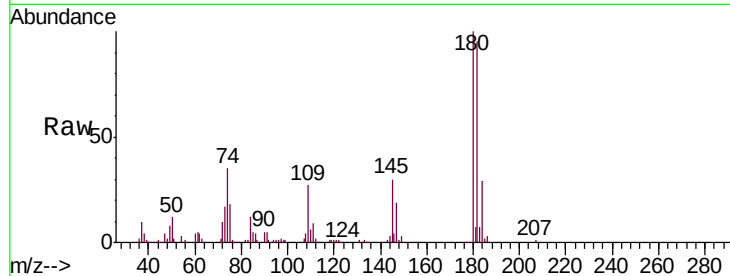
#93
 1,2,4-Trichlorobenzene
 Concen: 46.651 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	338113		
182	95.3	46.9	140.8	
145	30.4	14.9	44.7	

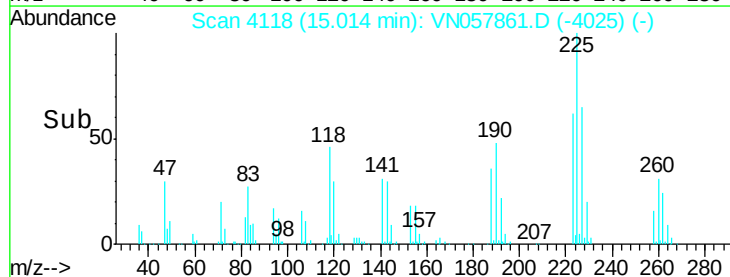
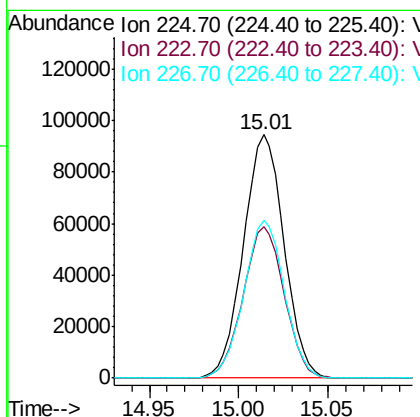
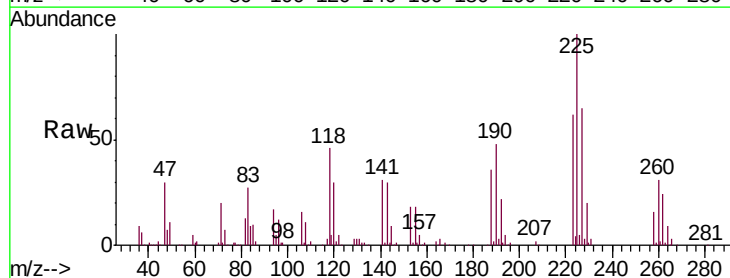
Manual Integrations
 APPROVED

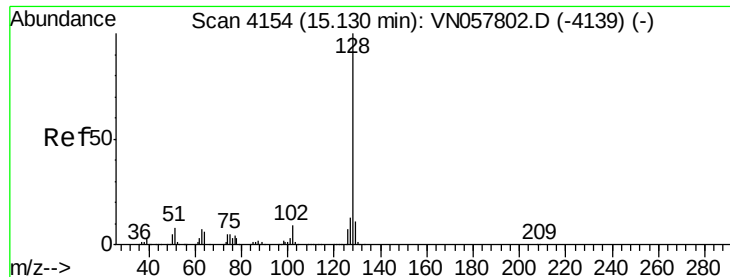
MMDadoda
 9/13/2019 7:06:06 AM



#94
 Hexachlorobutadiene
 Concen: 48.882 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057861.D
 Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150183		
223	62.9	32.4	97.2	
227	64.6	31.8	95.4	





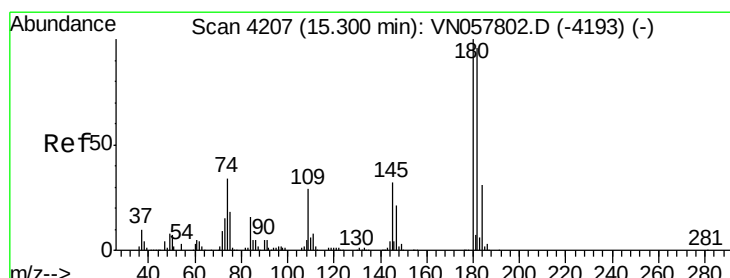
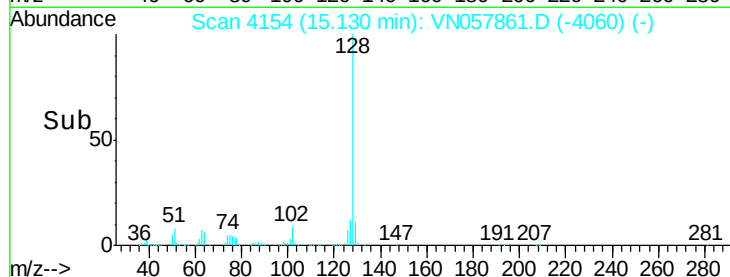
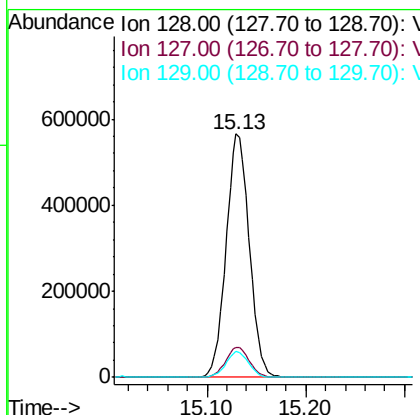
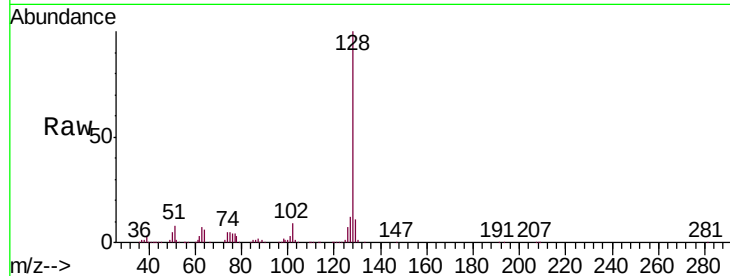
#95
Naphthalene
Concen: 50.947 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	931646		
127	12.6	10.3	15.5	
129	10.5	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 7:06:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.062 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057861.D
Acq: 10 Sep 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	316769		
182	94.6	48.3	144.8	
145	32.0	16.3	48.8	

