

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058074.D
 Acq On : 14 Sep 2019 13:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:00 PM

Quant Time: Sep 16 03:32:32 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	325278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	540279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	520121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	344791	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	7.58	113	249881	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.09	98	996025	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	375602	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	231858	51.542	ug/l	98
3) Chloromethane	2.04	50	195241	42.584	ug/l	99
4) Vinyl Chloride	2.17	62	206090	42.471	ug/l	98
5) Bromomethane	2.54	94	126974	47.542	ug/l	95
6) Chloroethane	2.68	64	134445	43.480	ug/l	98
7) Trichlorofluoromethane	3.00	101	275899	45.180	ug/l	99
8) Diethyl Ether	3.39	74	129138	50.703	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	201326	52.262	ug/l	99
10) Methyl Iodide	3.93	142	207457	48.394	ug/l	99
11) Tert butyl alcohol	4.76	59	195502	245.178	ug/l	100
12) 1,1-Dichloroethene	3.72	96	169514	48.941	ug/l	95
13) Acrolein	3.58	56	138461	204.672	ug/l	100
14) Allyl chloride	4.30	41	287785	42.457	ug/l	90
15) Acrylonitrile	4.96	53	592597	270.383	ug/l	99
16) Acetone	3.79	43	502774	232.793	ug/l	100
17) Carbon Disulfide	4.03	76	231871	43.035	ug/l	100
18) Methyl Acetate	4.30	43	334408	58.072	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	797138	55.302	ug/l	98
20) Methylene Chloride	4.53	84	232132	56.621	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	186353	49.771	ug/l	98
22) Diisopropyl ether	5.93	45	884642	55.652	ug/l	98
23) Vinyl Acetate	5.87	43	3112033	276.246	ug/l	99
24) 1,1-Dichloroethane	5.83	63	467606	53.825	ug/l	99
25) 2-Butanone	6.81	43	803019	256.891	ug/l	100
26) 2,2-Dichloropropane	6.81	77	200013	29.092	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	265700	52.953	ug/l	96
28) Bromochloromethane	7.18	49	227535	52.425	ug/l	96
29) Tetrahydrofuran	7.19	42	512410	266.021	ug/l	99
30) Chloroform	7.36	83	493122	54.287	ug/l	98
31) Cyclohexane	7.64	56	311371	52.716	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	377277	52.369	ug/l	99
36) 1,1-Dichloropropene	7.78	75	301224	48.074	ug/l	99
37) Ethyl Acetate	6.91	43	329828	50.949	ug/l	99
38) Carbon Tetrachloride	7.76	117	302103	52.809	ug/l	99

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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)
39) Methylcyclohexane	9.07	83	312191	47.397	ug/l	96
40) Benzene	8.03	78	978022	51.845	ug/l	99
41) Methacrylonitrile	7.17	41	184135m	62.660	ug/l	
42) 1,2-Dichloroethane	8.11	62	402660	53.372	ug/l	99
43) Isopropyl Acetate	8.15	43	623427	57.265	ug/l	97
44) Trichloroethene	8.83	130	236550	51.126	ug/l	98
45) 1,2-Dichloropropane	9.11	63	298764	54.428	ug/l	100
46) Dibromomethane	9.20	93	179345	54.068	ug/l	100
47) Bromodichloromethane	9.40	83	372048	56.169	ug/l	96
48) Methyl methacrylate	9.19	41	289851	52.486	ug/l	99
49) 1,4-Dioxane	9.19	88	85516	915.690	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1813908	281.556	ug/l	99
52) Toluene	10.15	92	621098	52.275	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	357934	51.315	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	390259	50.676	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	273866	54.416	ug/l	99
56) Ethyl methacrylate	10.43	69	411131	54.247	ug/l	99
57) 1,3-Dichloropropane	10.71	76	474311	54.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	862717	241.685	ug/l	100
59) 2-Hexanone	10.75	43	1294949	268.169	ug/l	100
60) Dibromochloromethane	10.90	129	265985	56.914	ug/l	99
61) 1,2-Dibromoethane	11.00	107	259878	54.619	ug/l	100
64) Tetrachloroethene	10.63	164	210524	54.819	ug/l	97
65) Chlorobenzene	11.43	112	715140	52.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	260381	55.127	ug/l	98
67) Ethyl Benzene	11.51	91	1289199	54.042	ug/l	99
68) m/p-Xylenes	11.62	106	944759	108.118	ug/l	100
69) o-Xylene	11.95	106	471714	54.300	ug/l	98
70) Styrene	11.97	104	836995	55.985	ug/l	100
71) Bromoform	12.13	173	166683	56.603	ug/l #	98
73) Isopropylbenzene	12.25	105	1333721	52.961	ug/l	99
74) N-amyl acetate	12.07	43	558904	50.997	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	428914	50.585	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	381810m	52.007	ug/l	
77) Bromobenzene	12.53	156	312786	49.818	ug/l	97
78) n-propylbenzene	12.60	91	1545145	53.433	ug/l	100
79) 2-Chlorotoluene	12.68	91	934540	51.132	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1142379	53.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	84504	40.505	ug/l	92
82) 4-Chlorotoluene	12.78	91	974208	51.905	ug/l	100
83) tert-Butylbenzene	13.00	119	987810	52.226	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1160611	53.668	ug/l	98
85) sec-Butylbenzene	13.18	105	1346792	53.723	ug/l	100
86) p-Isopropyltoluene	13.29	119	1204642	54.537	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	595115	51.639	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	593980	50.776	ug/l	99
89) n-Butylbenzene	13.62	91	1119925	53.689	ug/l	99
90) Hexachloroethane	13.88	117	176029	53.585	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	600688	52.173	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	73279	52.332	ug/l	98

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VSTDCCC050EC

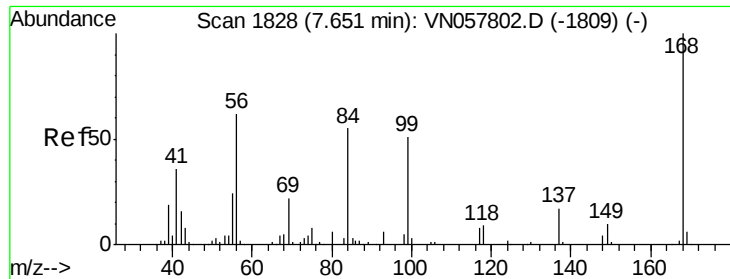
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	376610	50.045	ug/l	99
94) Hexachlorobutadiene	15.01	225	176316	55.271	ug/l	97
95) Naphthalene	15.13	128	1006013	53.049	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	343381	52.222	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 325278

Ion Ratio Lower Upper

168 100

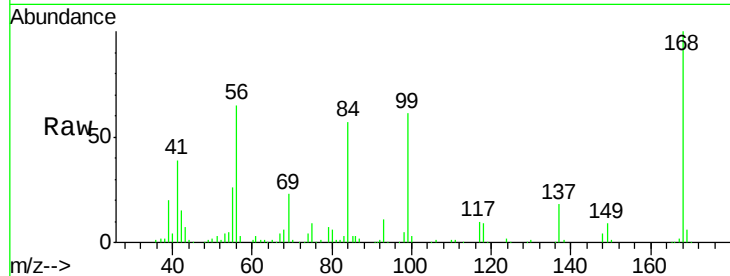
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Manual Integrations

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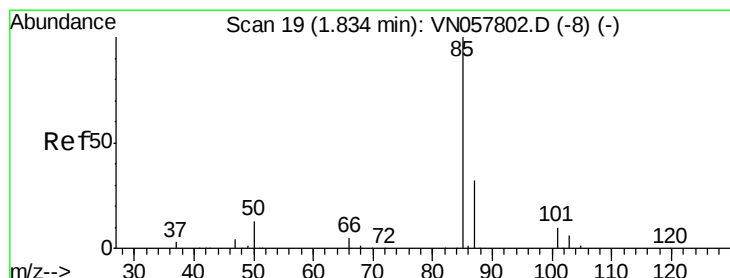
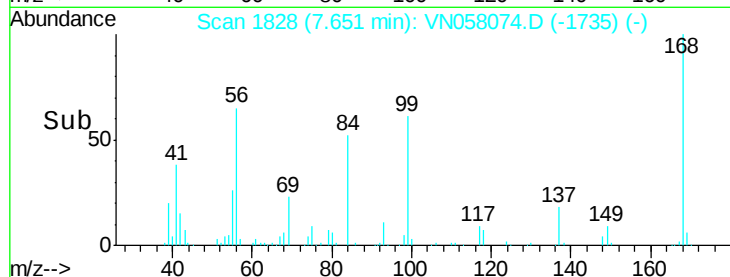
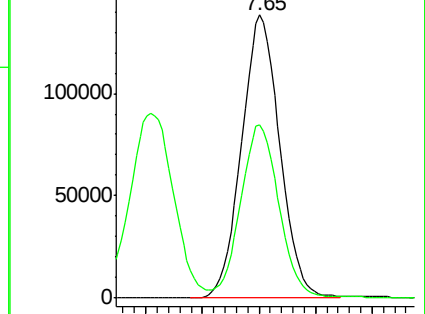
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.542 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058074.D

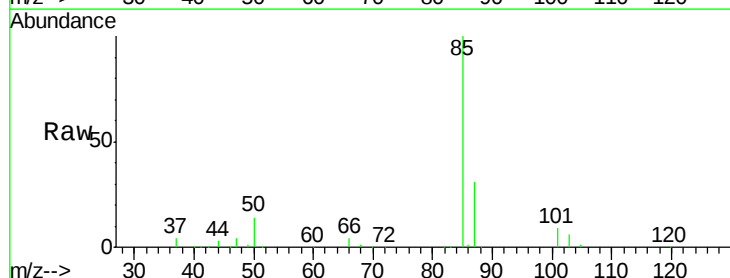
Acq: 14 Sep 2019 13:39

Tgt Ion: 85 Resp: 231858

Ion Ratio Lower Upper

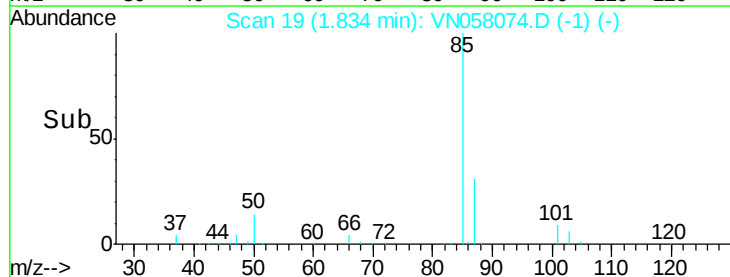
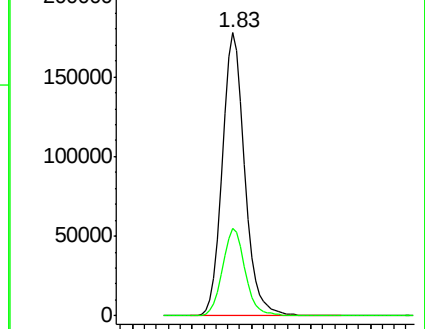
85 100

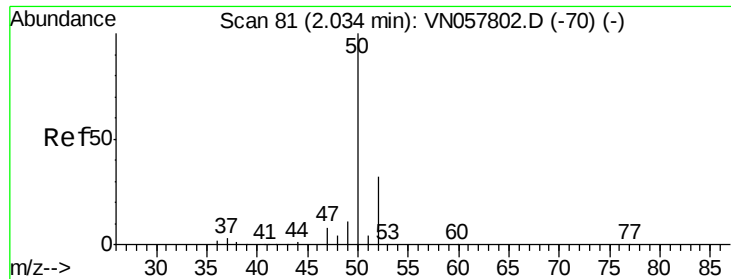
87 30.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.584 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 195241

Ion Ratio Lower Upper

50 100

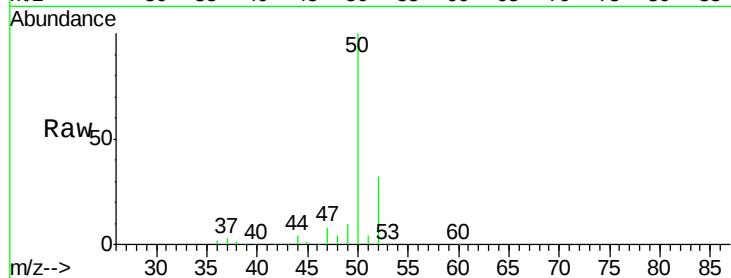
52 32.3 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

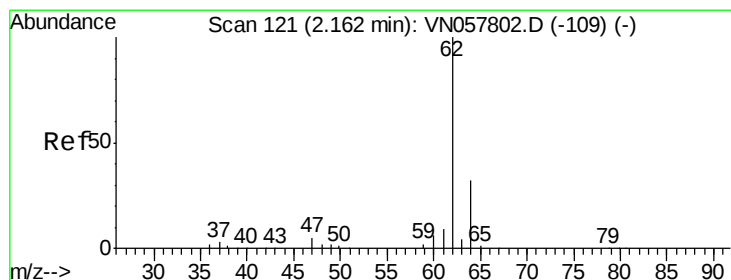
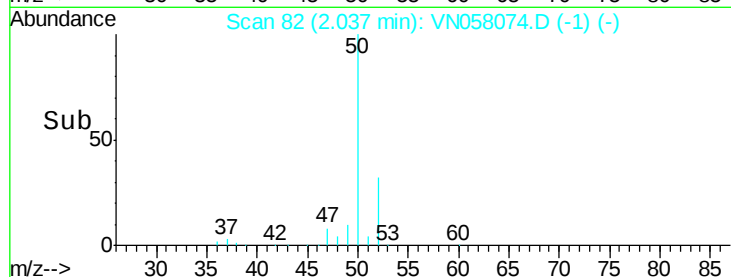
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 42.471 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058074.D

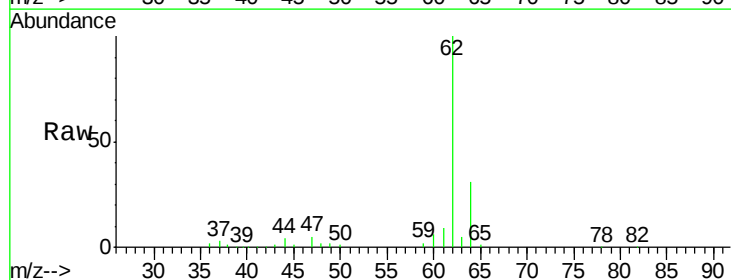
Acq: 14 Sep 2019 13:39

Tgt Ion: 62 Resp: 206090

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

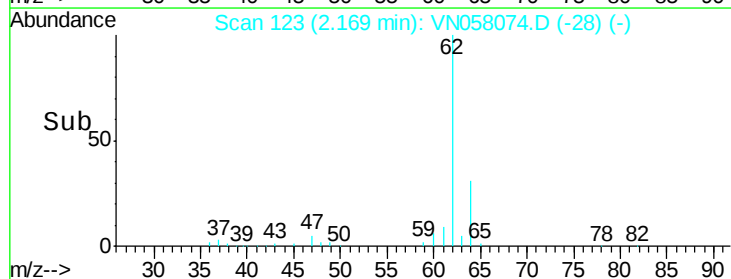
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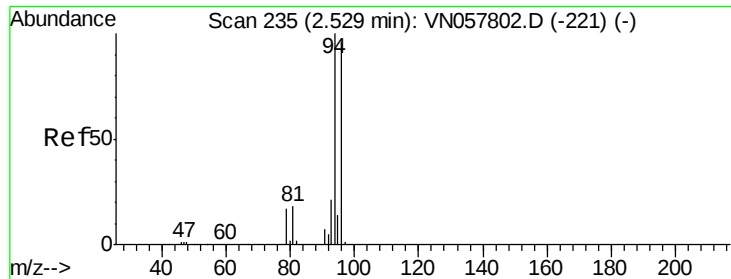
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 47.542 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 126974

Ion Ratio Lower Upper

94 100

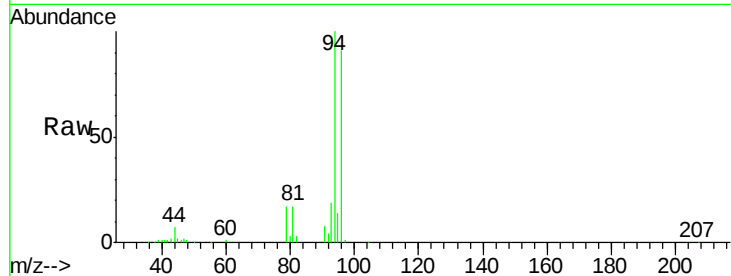
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Manual Integrations

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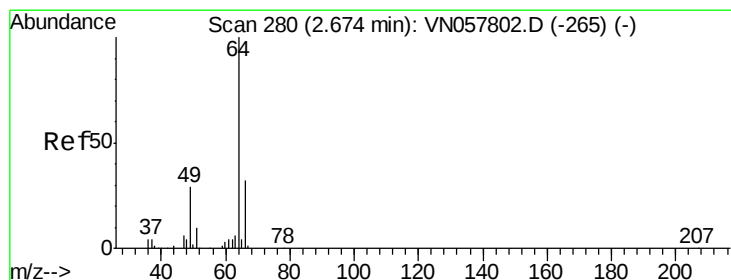
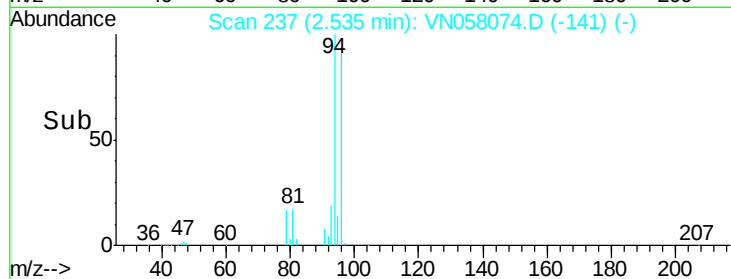
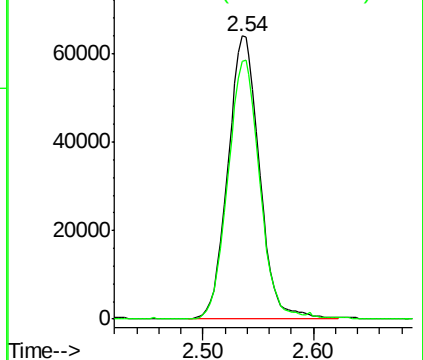
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.480 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058074.D

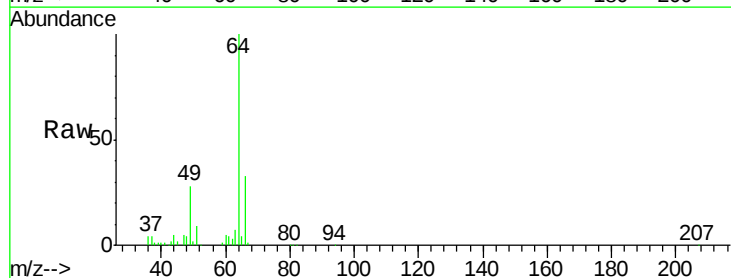
Acq: 14 Sep 2019 13:39

Tgt Ion: 64 Resp: 134445

Ion Ratio Lower Upper

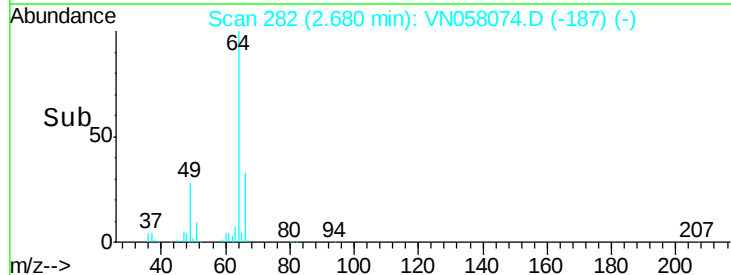
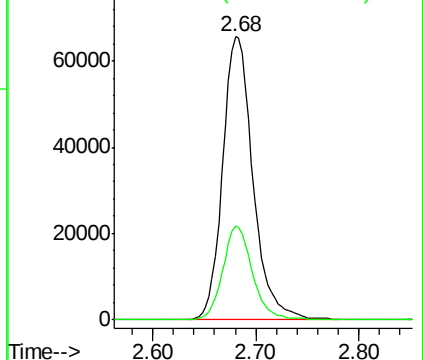
64 100

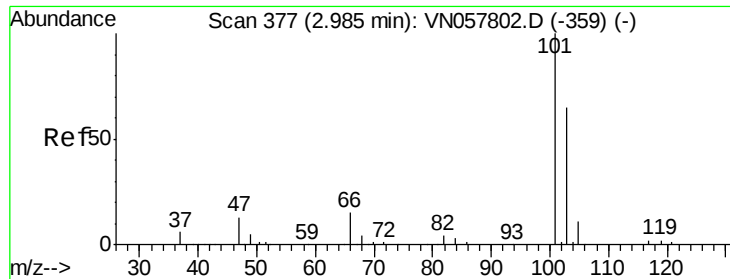
66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

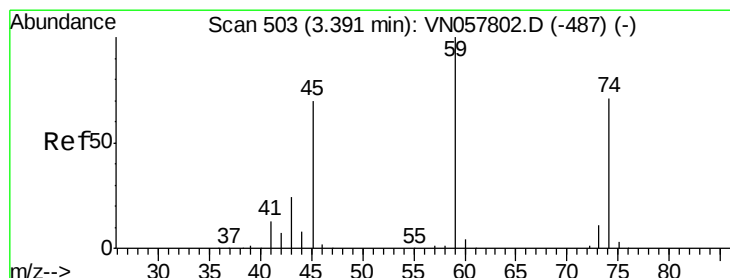
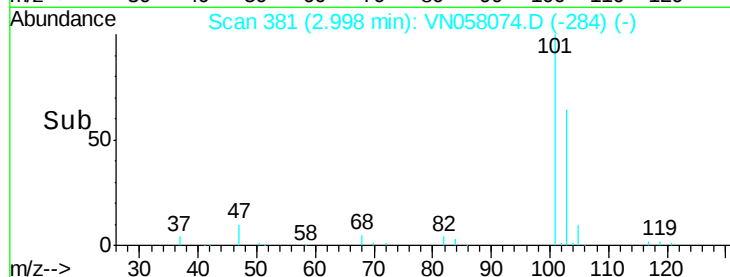
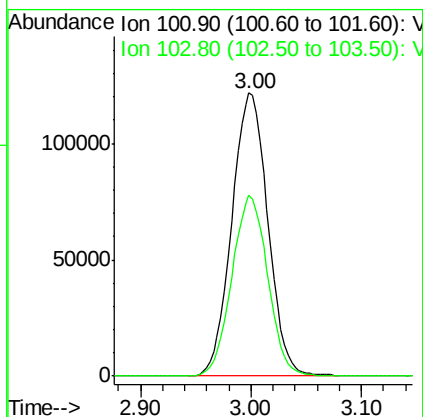
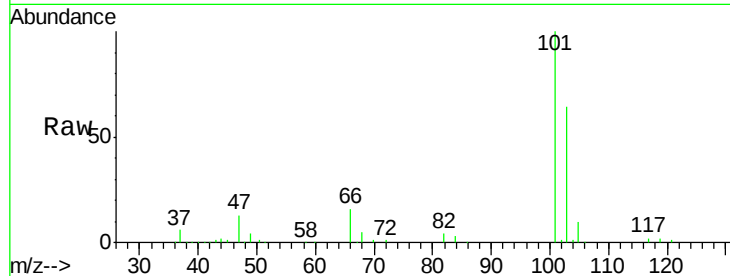
Trichlorofluoromethane
Concen: 45.180 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.9	77.9

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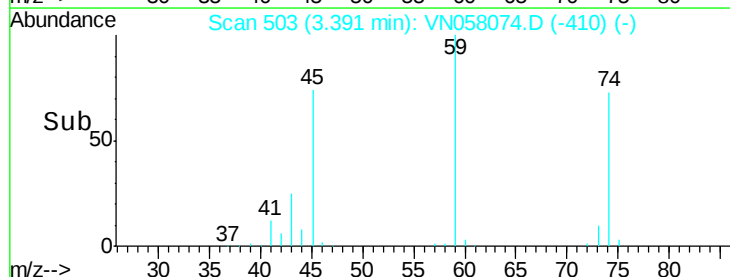
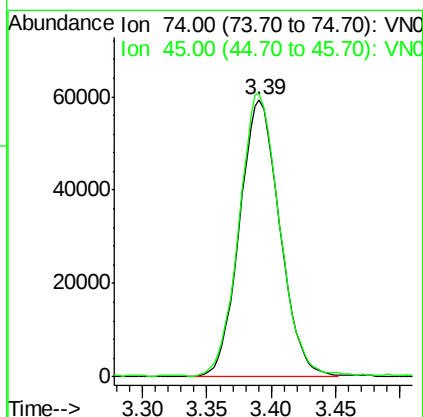
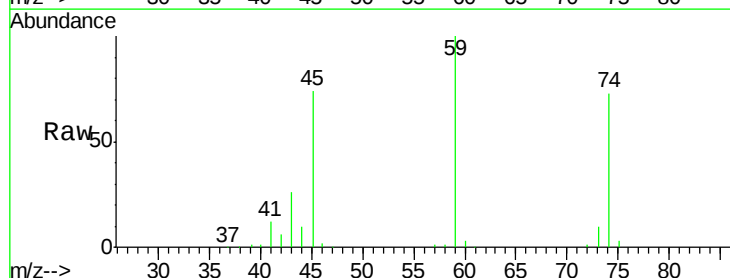
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9/16/2019 2:11:00 PM

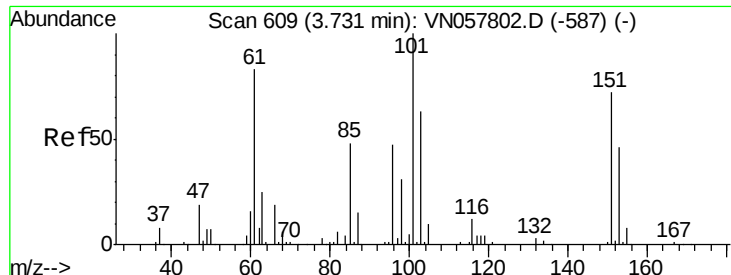


#8

Diethyl Ether
Concen: 50.703 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.262 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

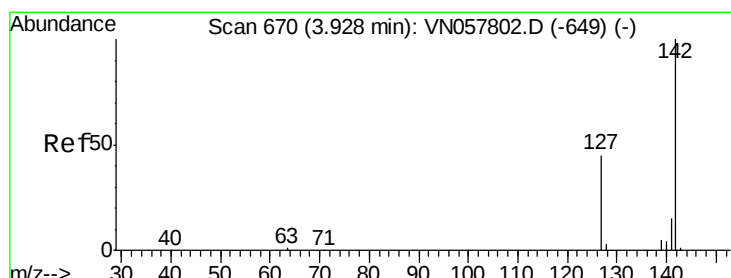
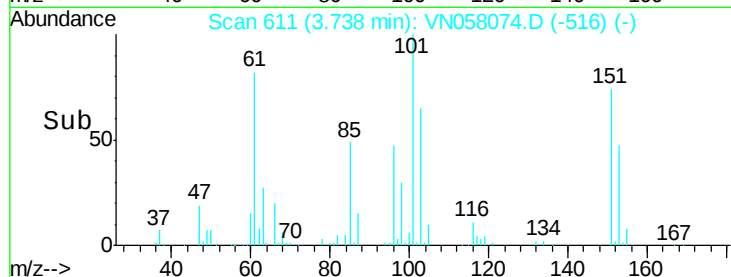
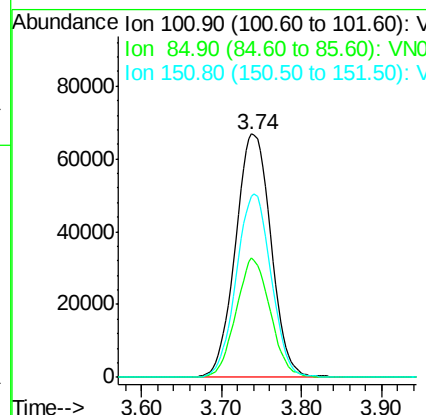
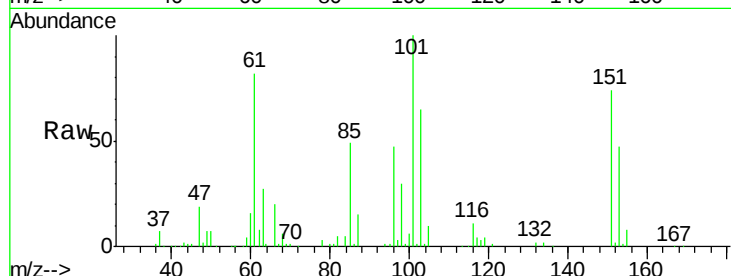
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	201326
Ion Ratio	Lower	Upper	
101	100		
85	47.1	38.1	57.1
151	73.8	58.4	87.6

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#10

Methyl Iodide

Concen: 48.394 ug/l

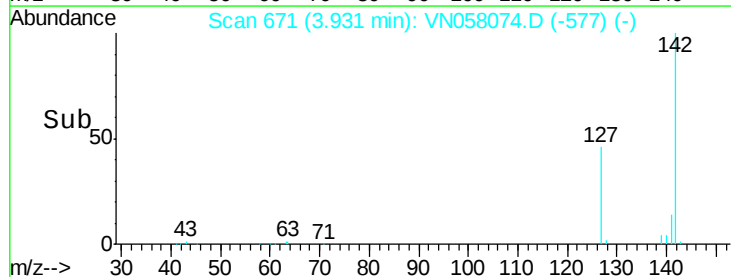
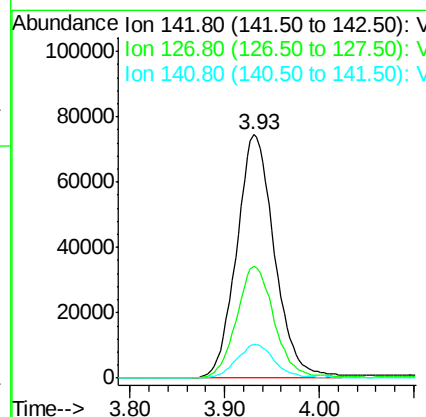
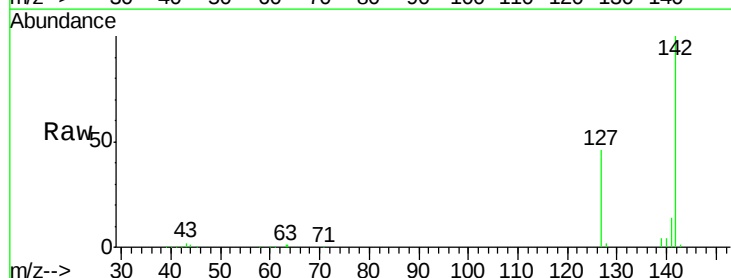
RT: 3.93 min Scan# 671

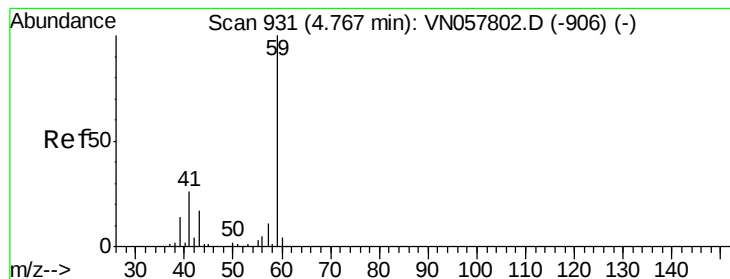
Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tgt Ion:	142	Resp:	207457
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.7	55.1
141	13.9	11.4	17.0





#11

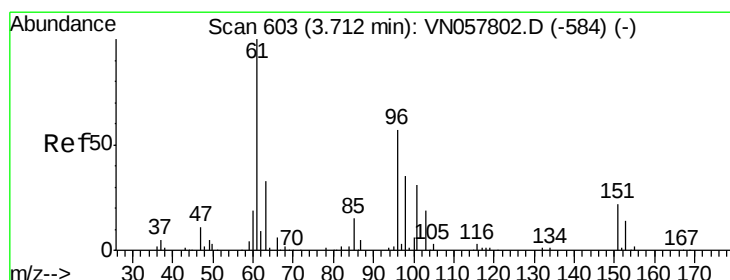
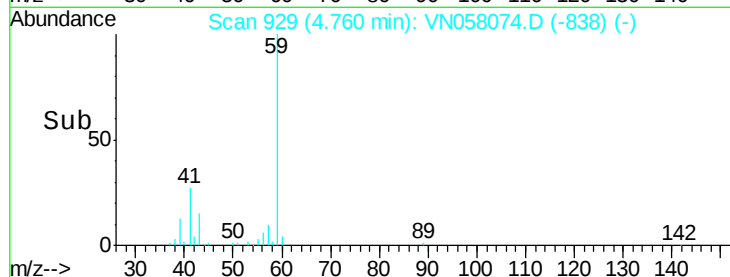
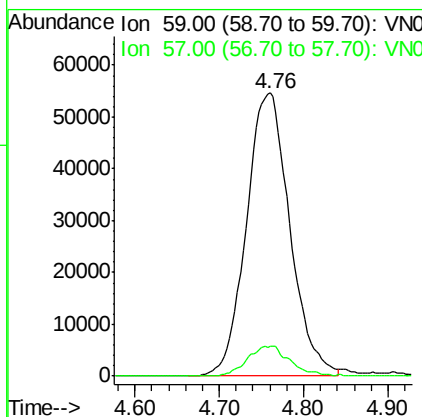
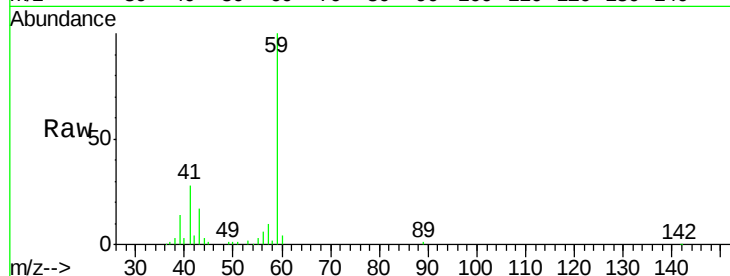
Tert butyl alcohol
Concen: 245.178 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.01 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

Manual Integrations
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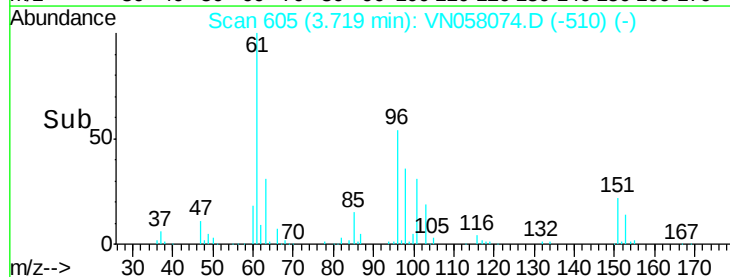
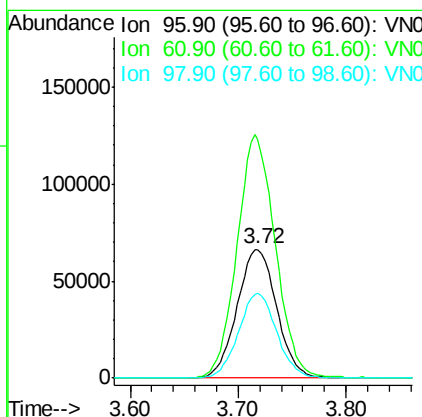
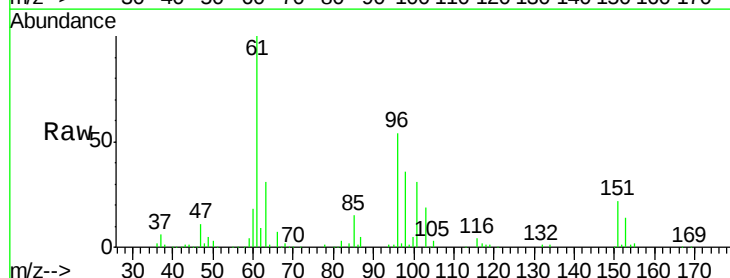
MMDadoda
9/16/2019 2:11:00 PM

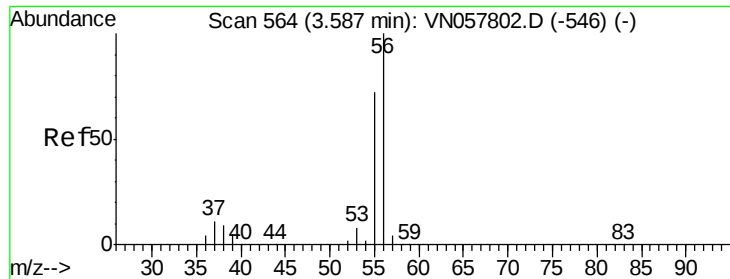


#12

1,1-Dichloroethene
Concen: 48.941 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.6	141.2	211.8
98	65.6	49.9	74.9





#13

Acrolein

Concen: 204.672 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 138461

Ion Ratio Lower Upper

56 100

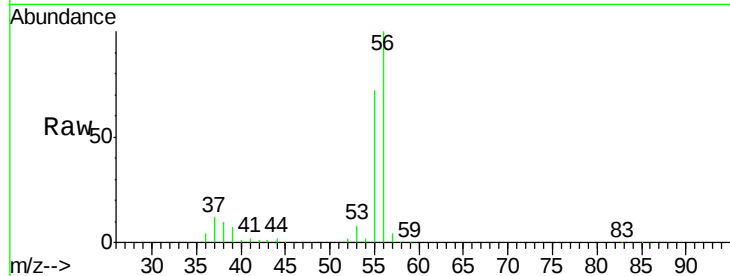
55 71.7 57.3 85.9

Manual Integrations

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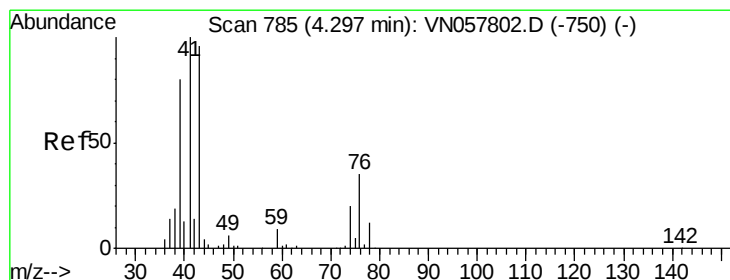
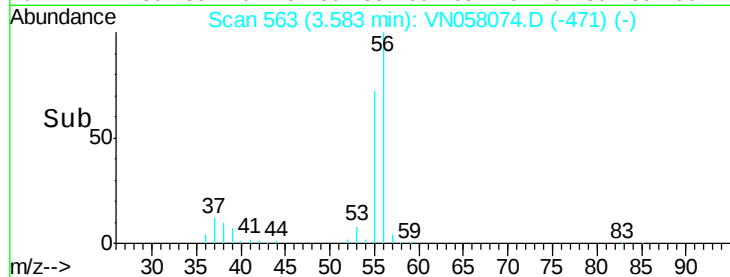
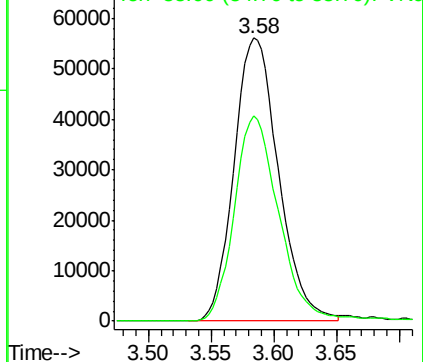
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.457 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

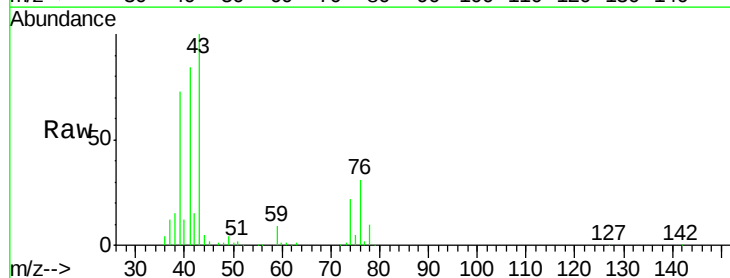
Tgt Ion: 41 Resp: 287785

Ion Ratio Lower Upper

41 100

39 84.4 59.4 89.2

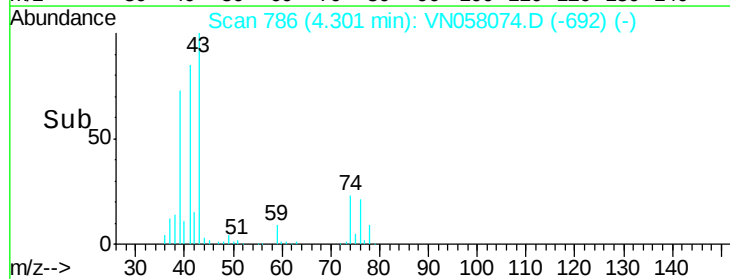
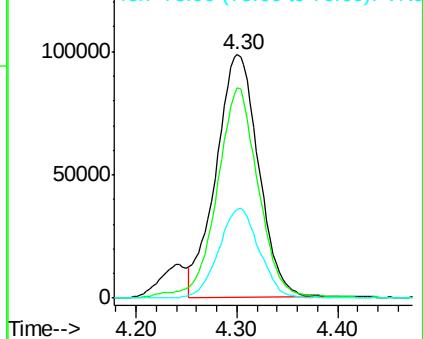
76 35.3 26.0 39.0



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: 270.383 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

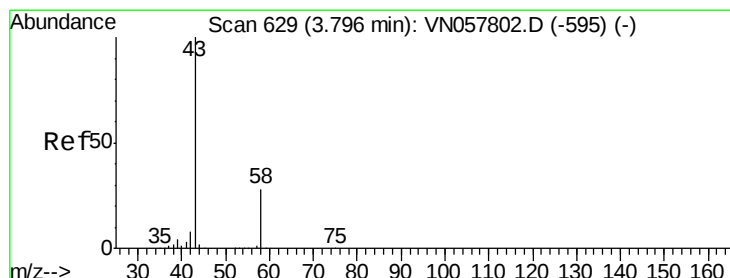
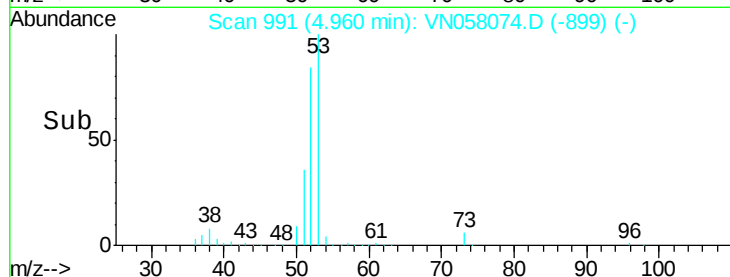
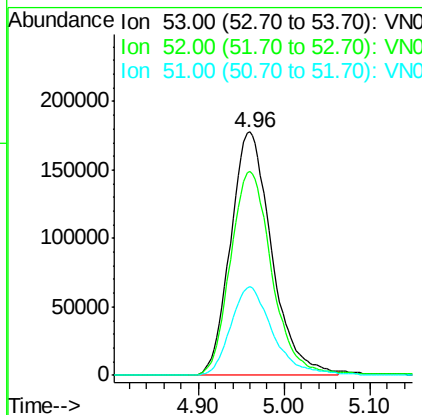
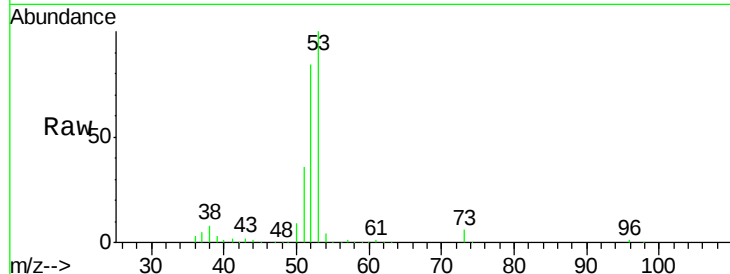
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	592597
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.6	100.0
51	37.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 232.793 ug/l

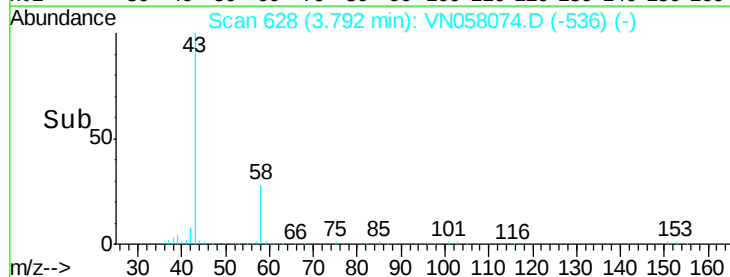
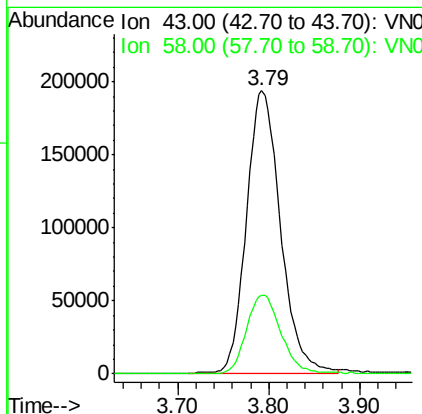
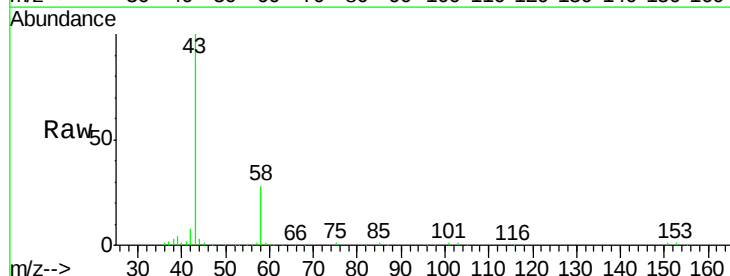
RT: 3.79 min Scan# 628

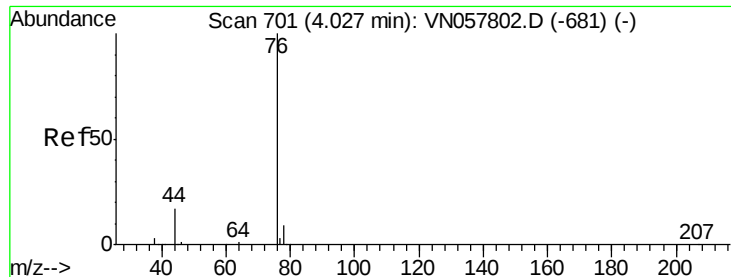
Delta R.T. -0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tgt Ion:	43	Resp:	502774
Ion Ratio	Lower	Upper	
43	100		
58	27.5	22.2	33.2





#17

Carbon Disulfide

Concen: 43.035 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tot Ion: 76 Resp: 231871

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

Instrument :

MSVOA_N

ClientSampleId :

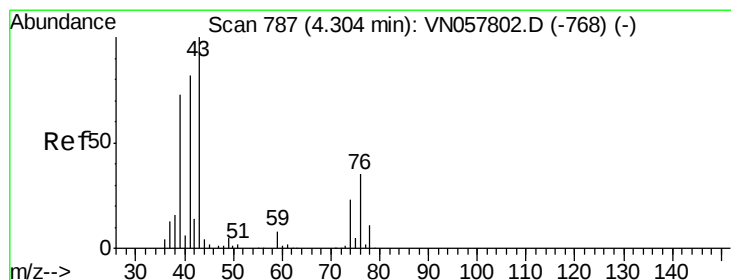
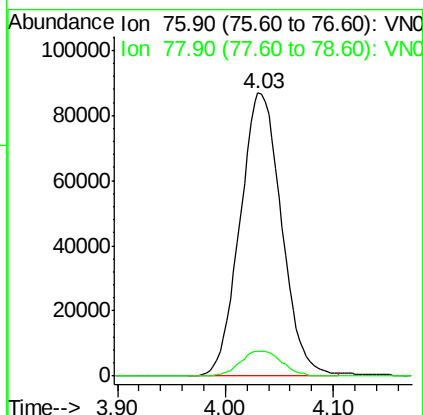
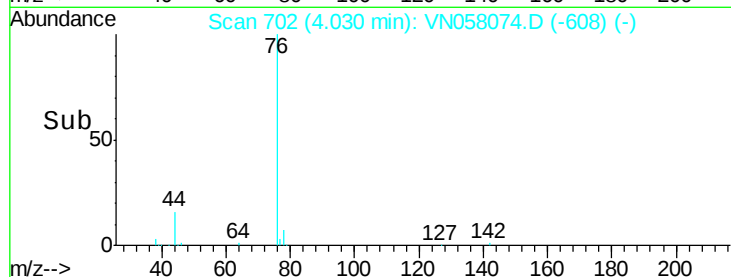
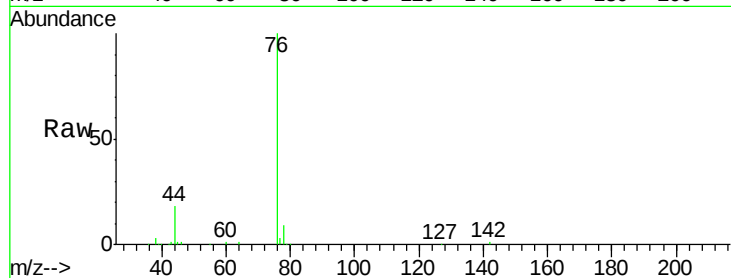
VSTDCCC050EC

Manual Integrations

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#18

Methyl Acetate

Concen: 58.072 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058074.D

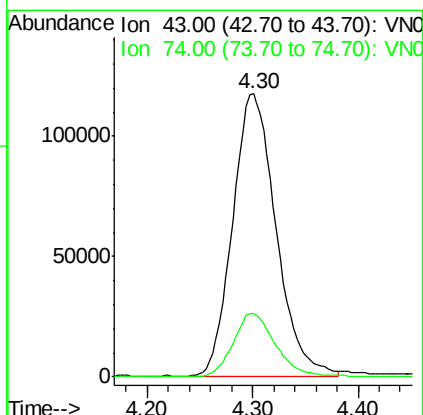
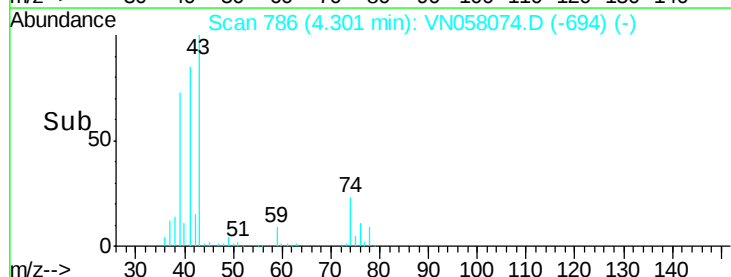
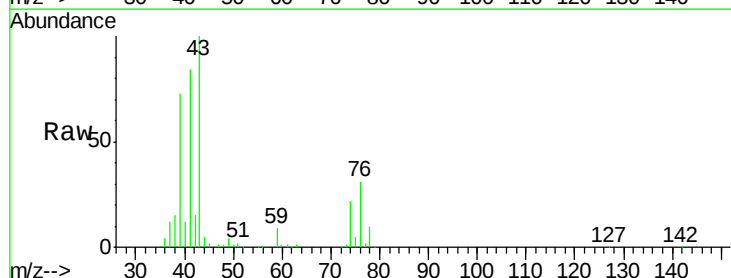
Acq: 14 Sep 2019 13:39

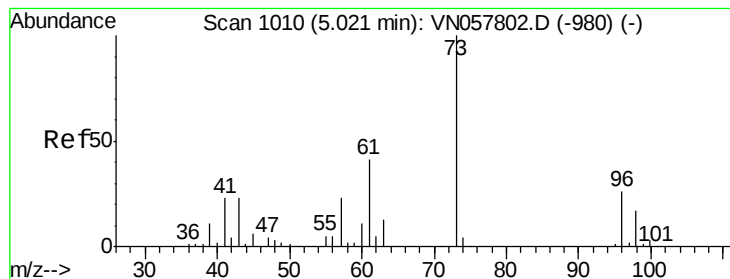
Tgt Ion: 43 Resp: 334408

Ion Ratio Lower Upper

43 100

74 21.9 17.9 26.9





#19

Methyl tert-butyl Ether

Concen: 55.302 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tot Ion: 73 Resp: 797138

Ion Ratio Lower Upper

73 100

57 21.5 18.2 27.2

Instrument :

MSVOA_N

ClientSampleId :

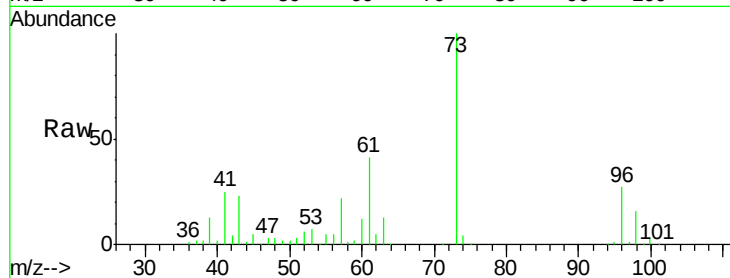
VSTDCCC050EC

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VN057802.D (-980) (-)

Ion 57.00 (56.70 to 57.70): VN057802.D (-980) (-)

250000

200000

150000

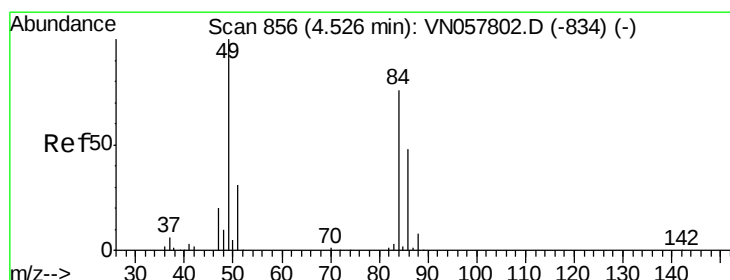
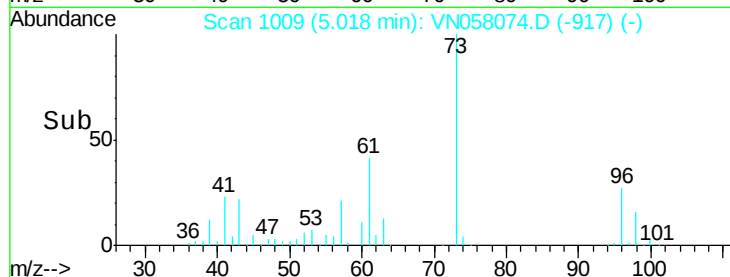
100000

50000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 56.621 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tgt Ion: 84 Resp: 232132

Ion Ratio Lower Upper

84 100

49 139.2 104.8 157.2

51 42.2 33.0 49.4

86 65.0 50.5 75.7

Abundance Ion 83.90 (83.60 to 84.60): VN057802.D (-834) (-)

Ion 48.90 (48.60 to 49.60): VN057802.D (-834) (-)

Ion 50.90 (50.60 to 51.60): VN057802.D (-834) (-)

Ion 85.90 (85.60 to 86.60): VN057802.D (-834) (-)

150000

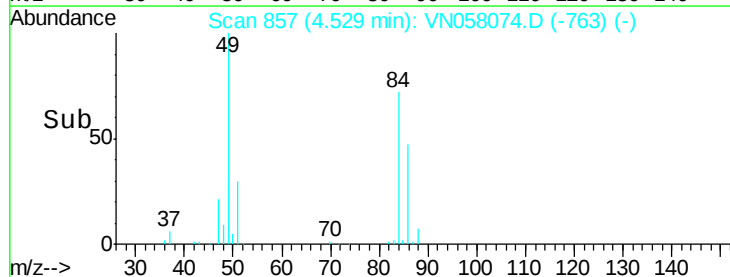
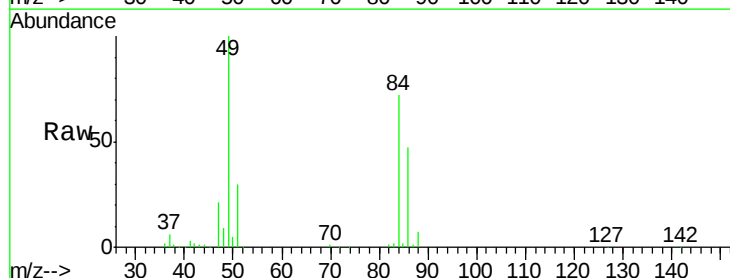
100000

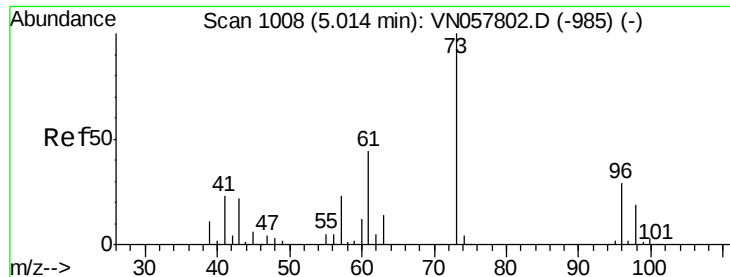
50000

0

4.40 4.50 4.60

Time-->





#21

trans-1,2-Dichloroethene

Concen: 49.771 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

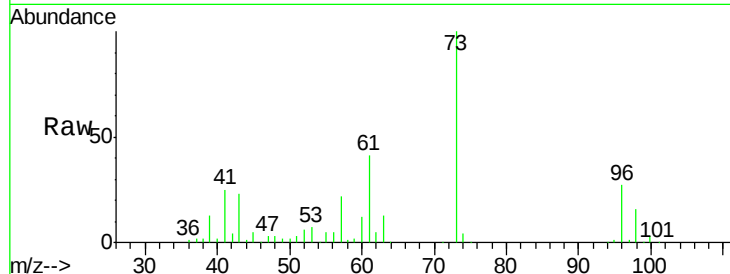
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	186353
Ion	Ratio	Lower	Upper
96	100		
61	152.8	121.9	182.9
98	61.6	52.2	78.4

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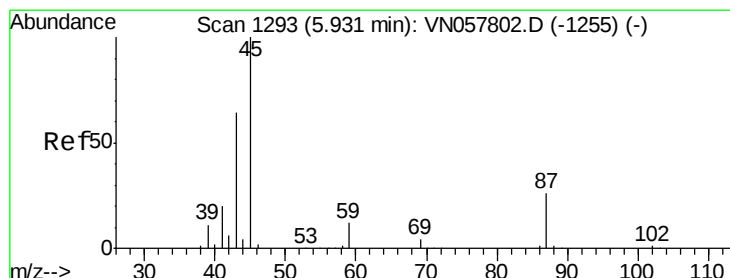
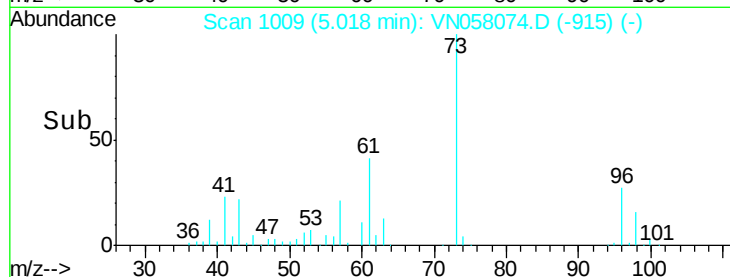
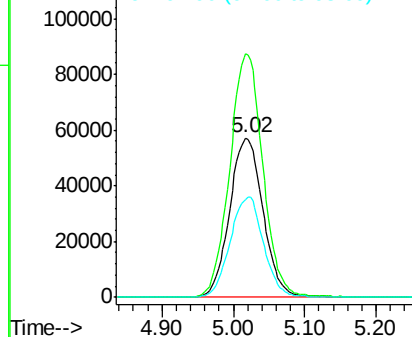


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 55.652 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tgt Ion:	45	Resp:	884642
Ion	Ratio	Lower	Upper
45	100		
43	66.2	51.4	77.2
87	26.3	21.3	31.9
59	11.2	9.3	13.9

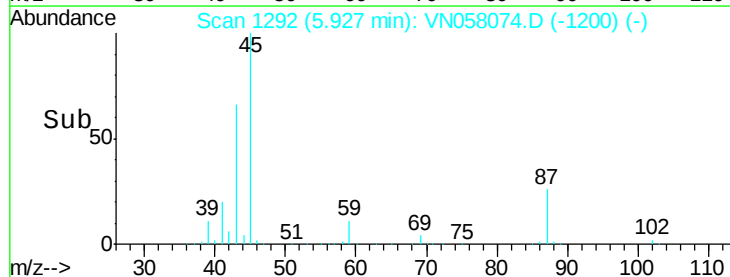
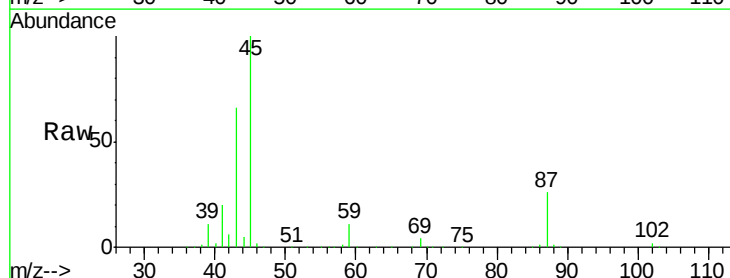
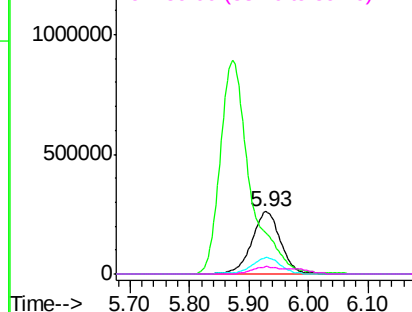
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





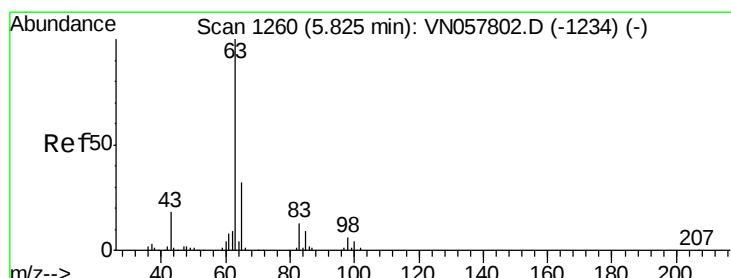
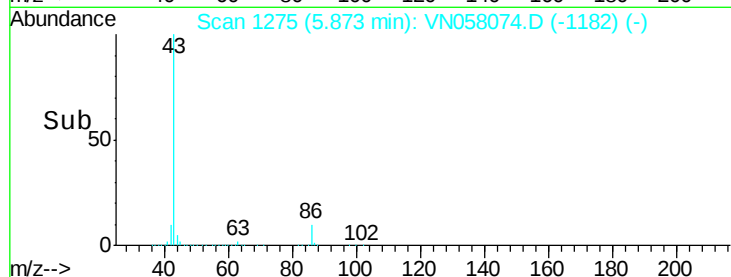
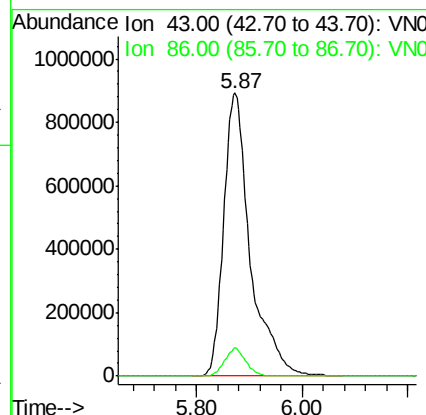
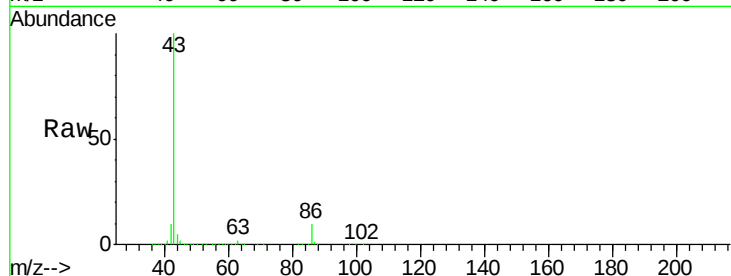
#23
 Vinyl Acetate
 Concen: 276.246 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3112033
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.7 11.5

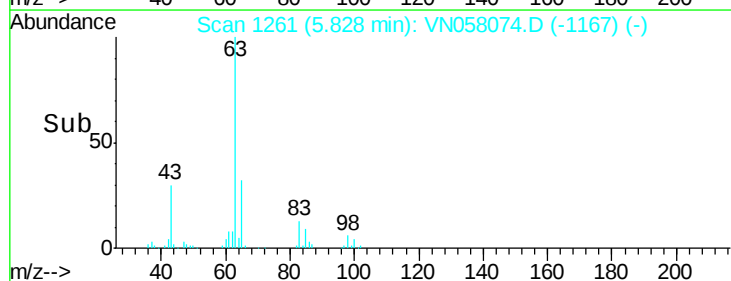
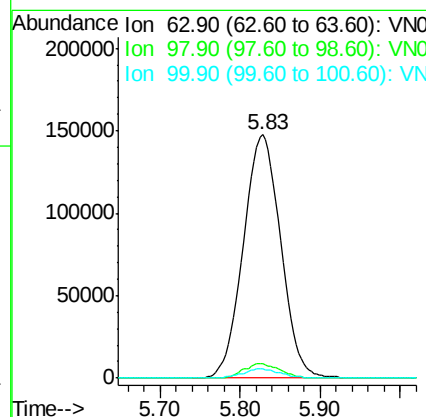
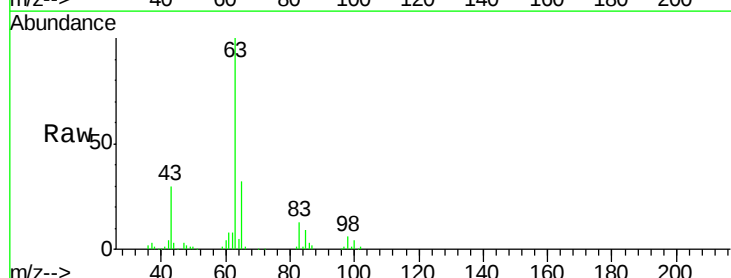
Manual Integrations
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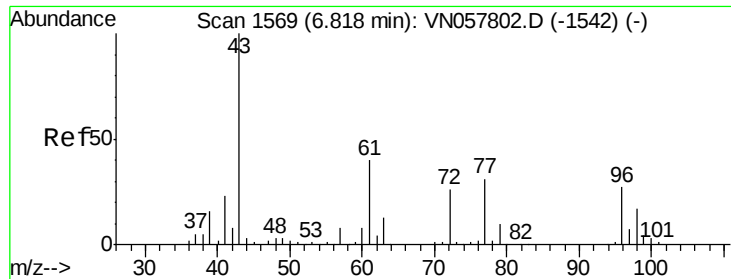
MMDadoda
 9/16/2019 2:11:00 PM



#24
 1,1-Dichloroethane
 Concen: 53.825 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion: 63 Resp: 467606
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.2
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 256.891 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 803019

Ion Ratio Lower Upper

43 100

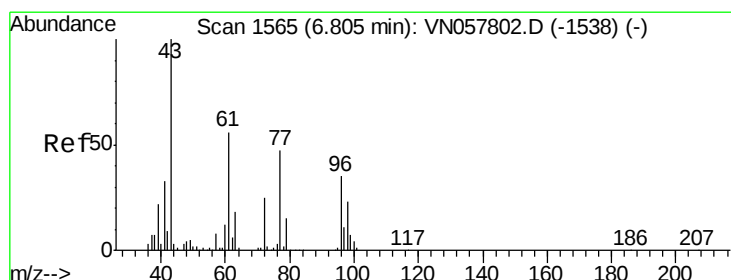
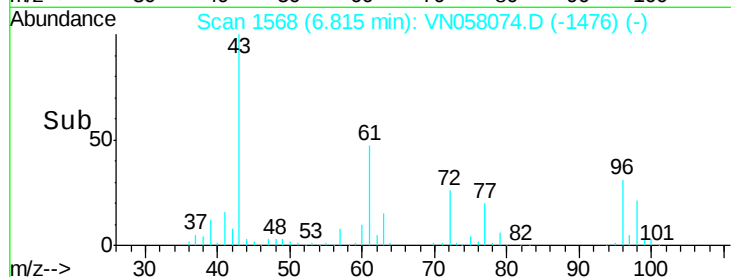
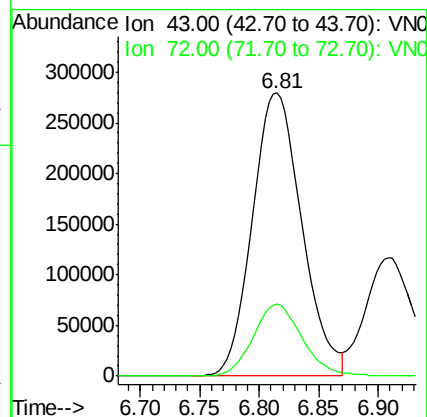
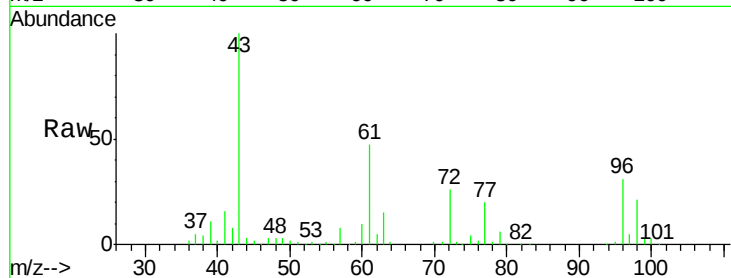
72 25.6 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 29.092 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058074.D

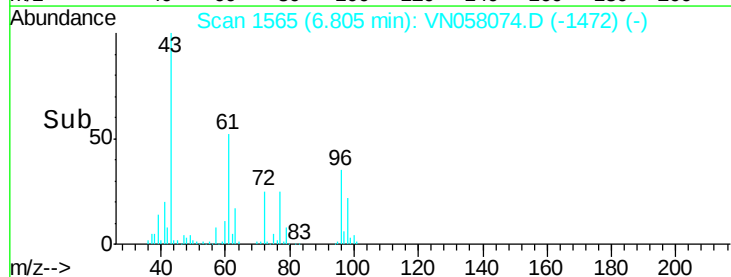
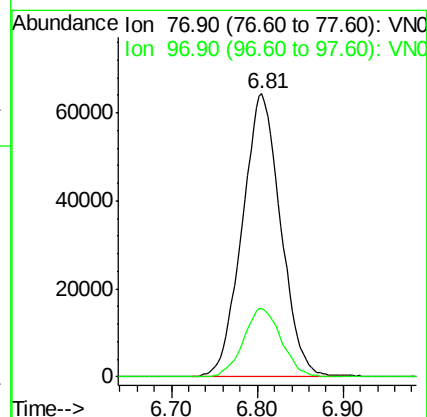
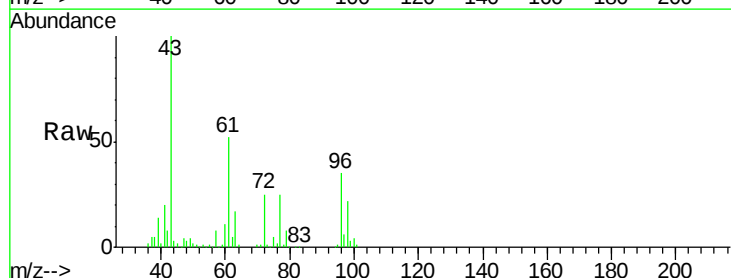
Acq: 14 Sep 2019 13:39

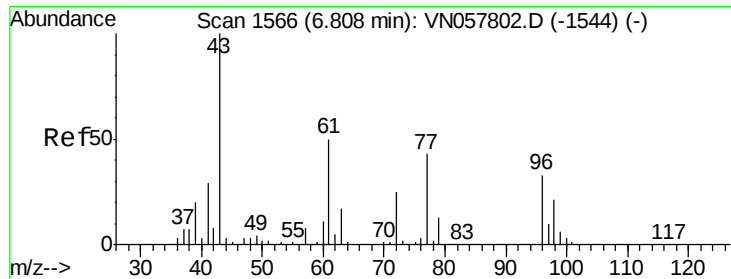
Tgt Ion: 77 Resp: 200013

Ion Ratio Lower Upper

77 100

97 23.8 11.1 33.3





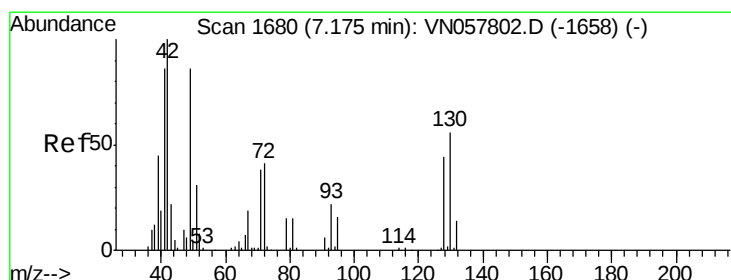
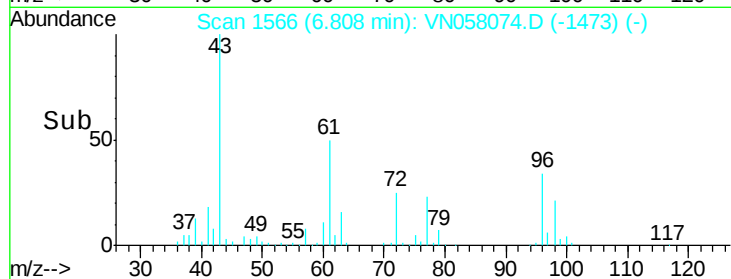
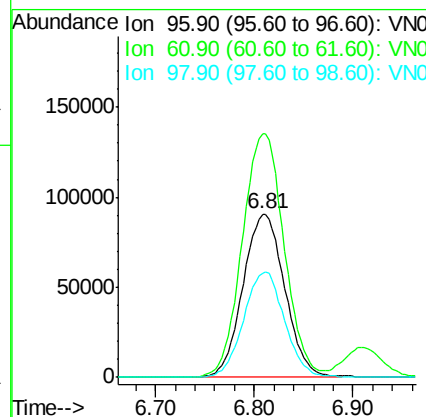
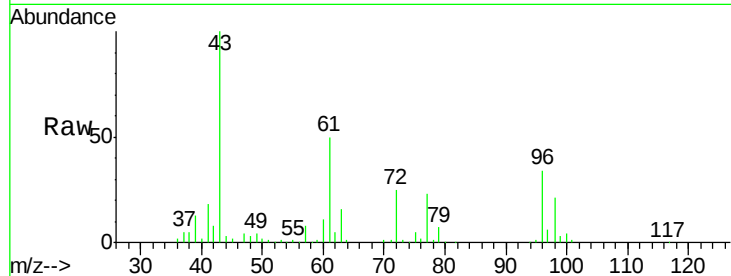
#27
 cis-1,2-Dichloroethene
 Concen: 52.953 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	265700		
61	149.4	0.0	314.0	
98	63.5	0.0	128.6	

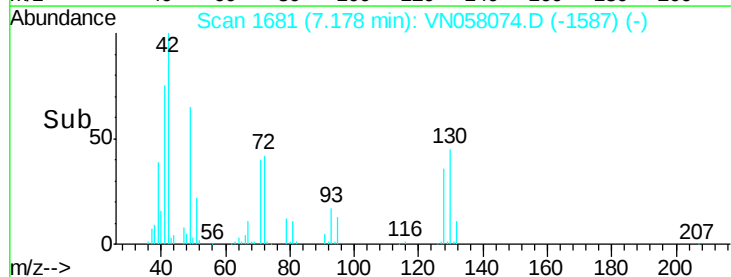
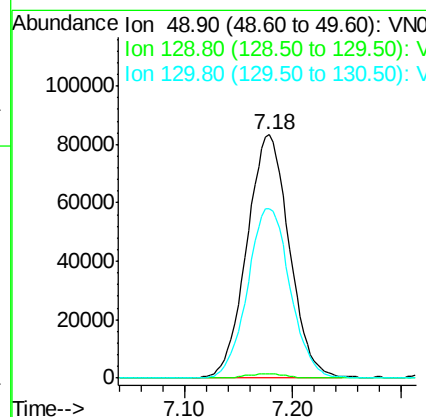
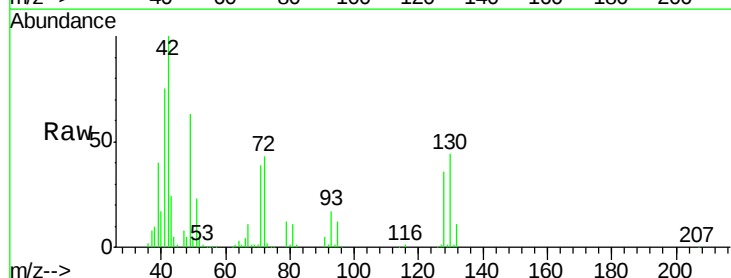
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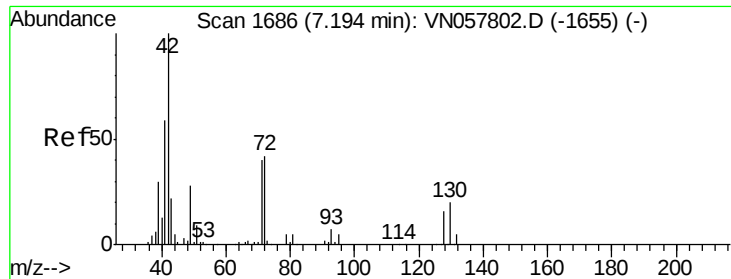
MMDadoda
 9/16/2019 2:11:00 PM



#28
 Bromochloromethane
 Concen: 52.425 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	227535		
129	1.7	0.0	3.8	
130	69.9	53.0	79.6	





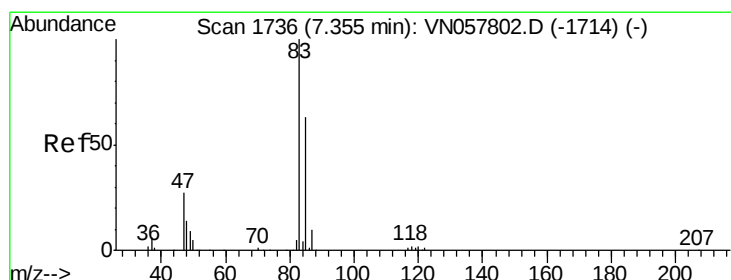
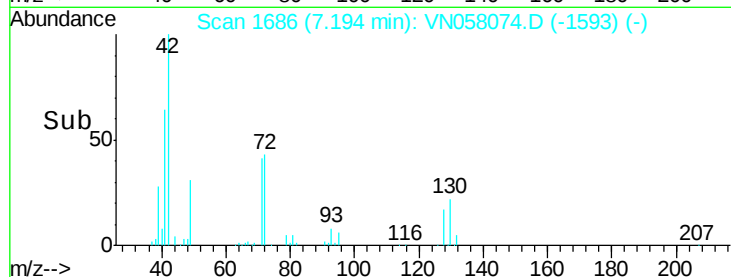
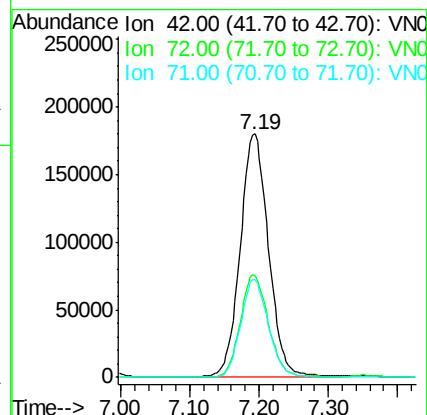
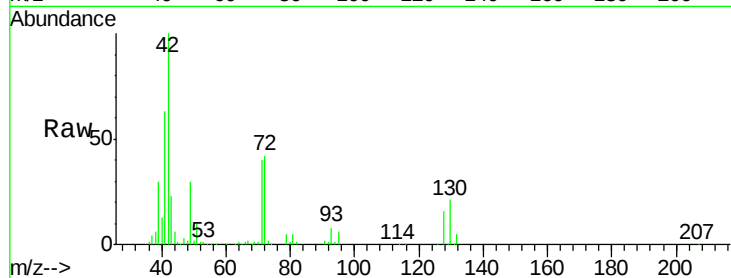
#29
Tetrahydrofuran
Concen: 266.021 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	39.4	31.9	47.9

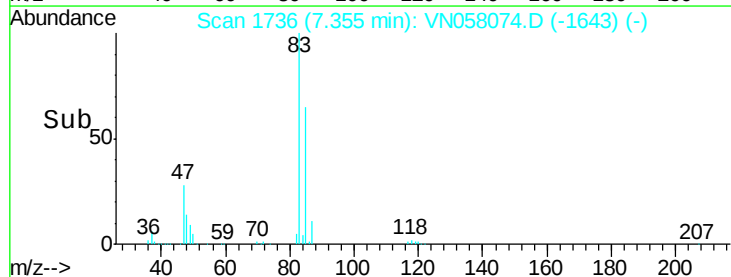
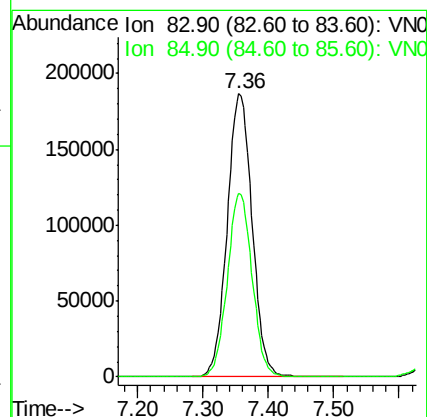
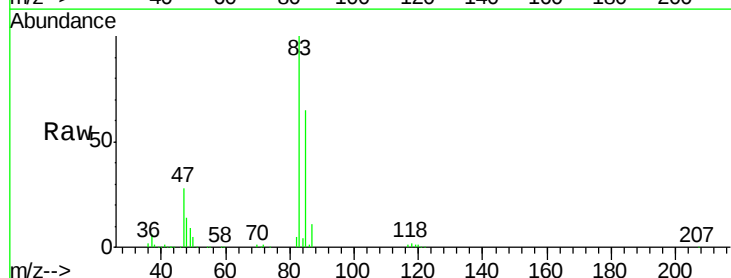
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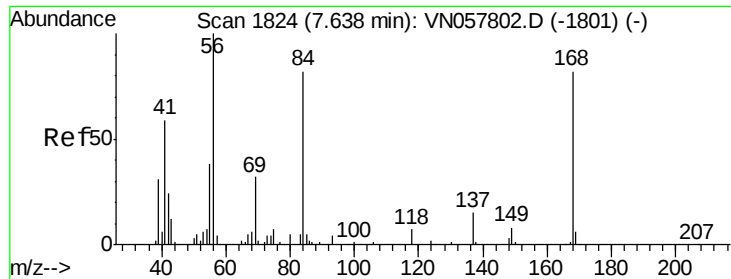
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#30
Chloroform
Concen: 54.287 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.6	75.8





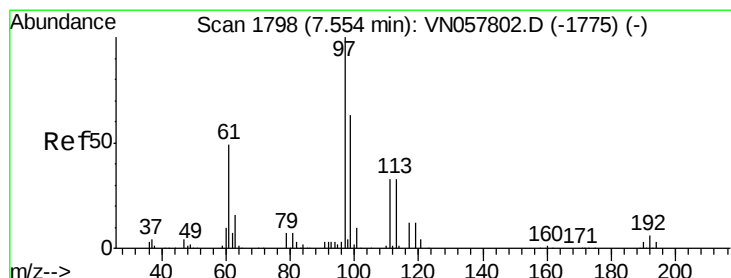
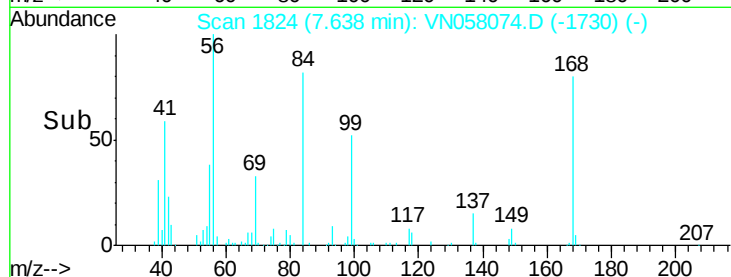
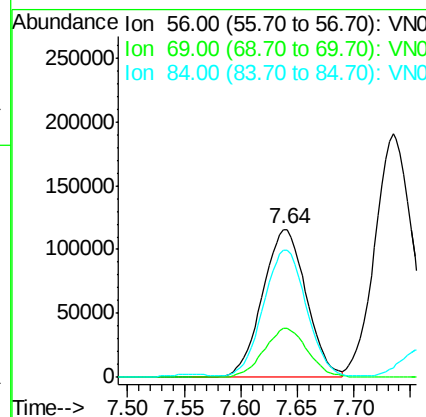
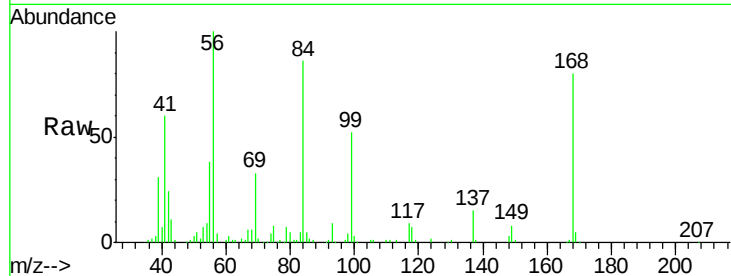
#31
Cyclohexane
Concen: 52.716 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	311371		
69	32.6		25.9	38.9
84	83.6		65.6	98.4

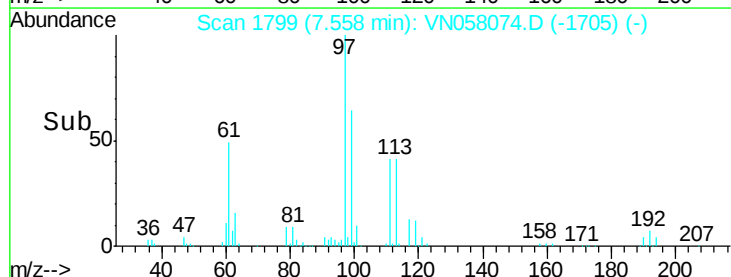
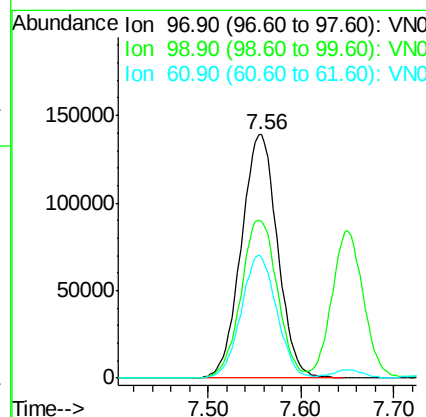
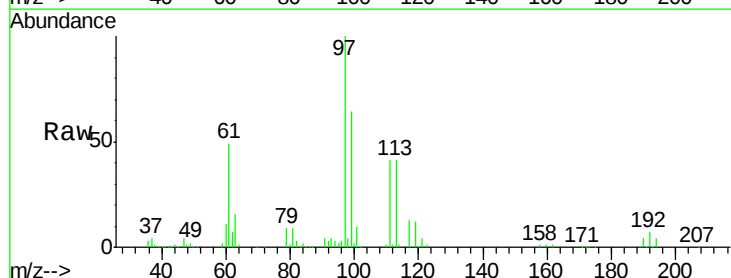
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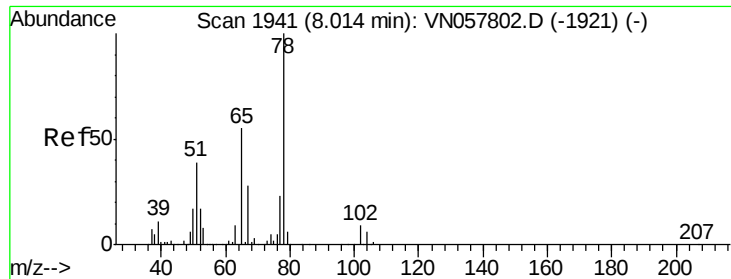
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#32
1,1,1-Trichloroethane
Concen: 52.369 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	377277		
99	65.0		51.0	76.4
61	49.4		39.0	58.6





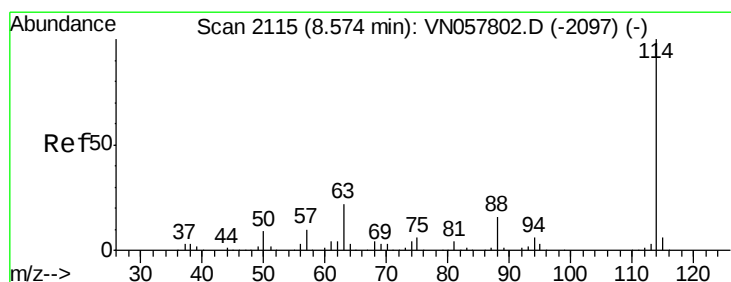
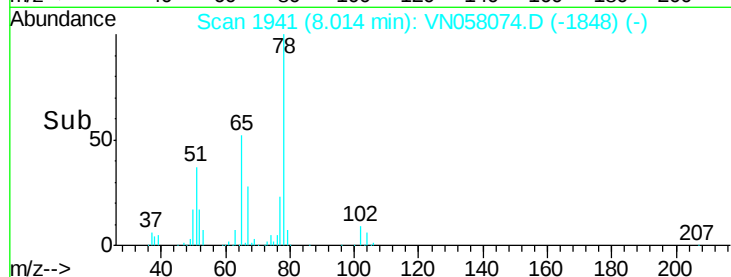
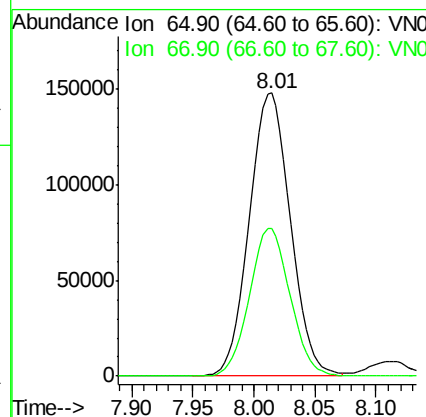
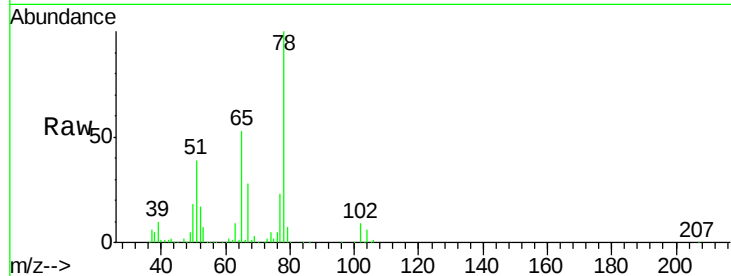
#33
 1,2-Dichloroethane-d4
 Concen: 52.334 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	344791		
67	51.8	0.0	104.0	

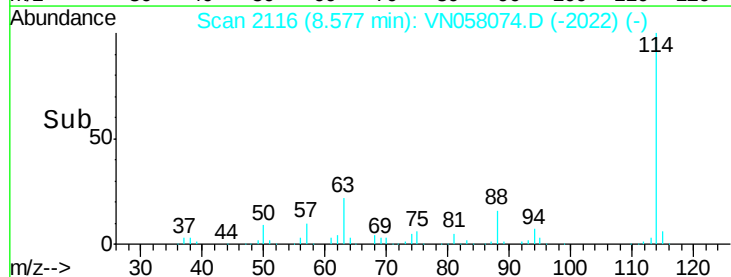
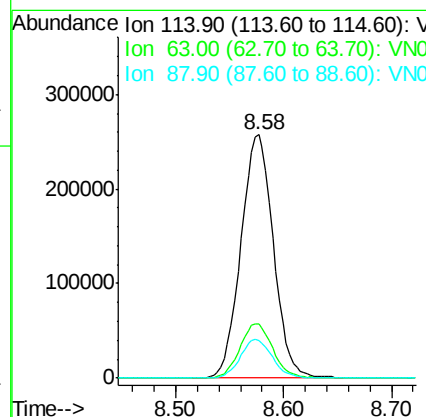
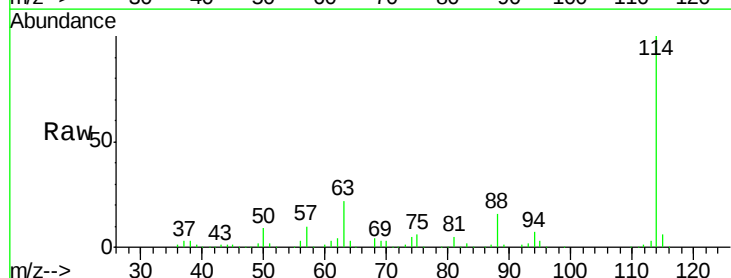
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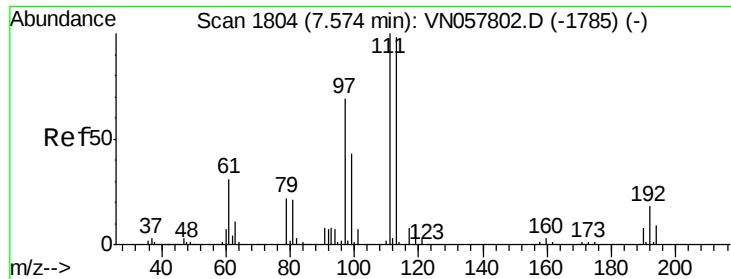
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	540279		
63	22.0	0.0	44.0	
88	15.5	0.0	31.4	





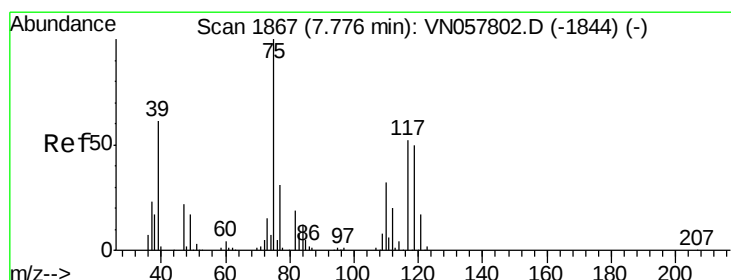
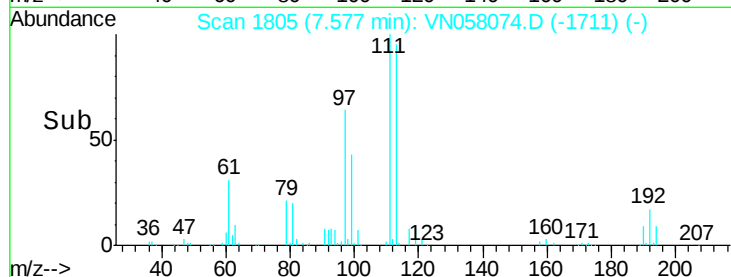
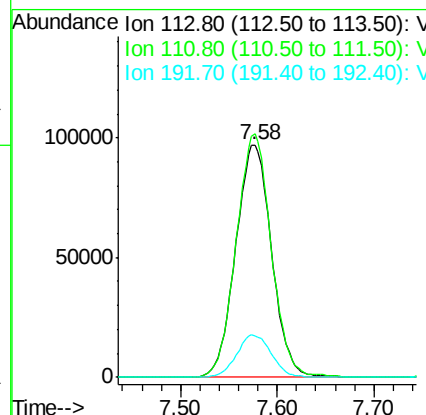
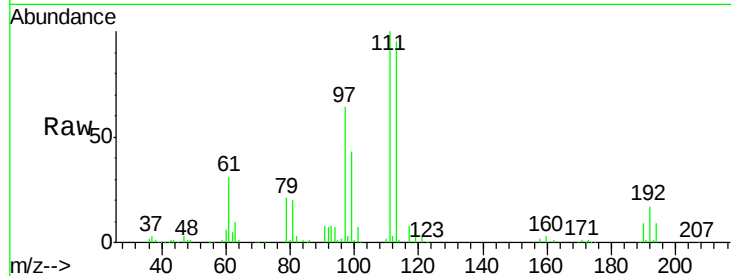
#35
 Dibromofluoromethane
 Concen: 50.111 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	249881		
111	102.7	81.3	121.9	
192	17.6	14.6	22.0	

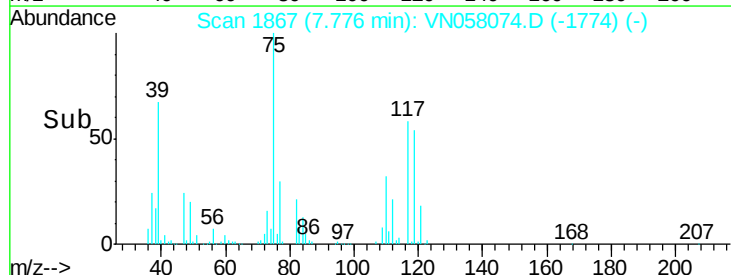
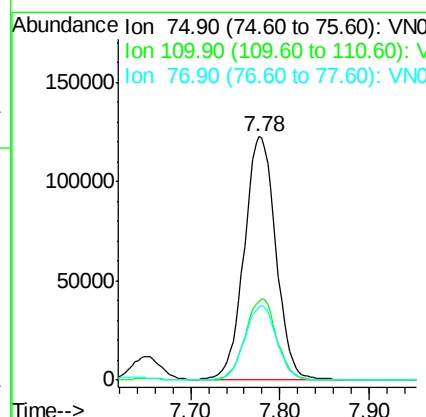
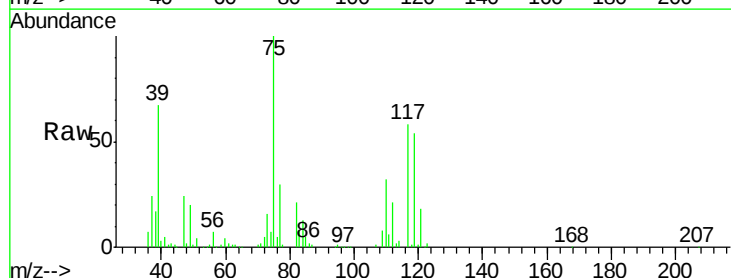
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#36
 1,1-Dichloropropene
 Concen: 48.074 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	301224		
110	33.2	16.3	48.9	
77	31.3	25.0	37.4	





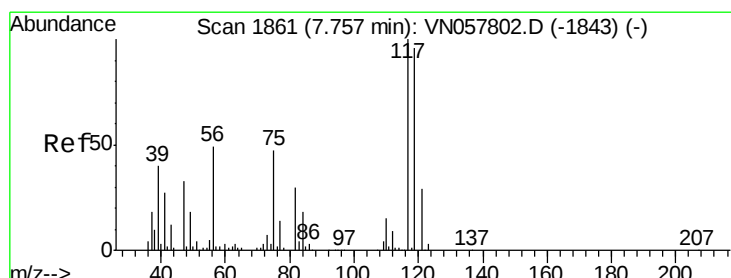
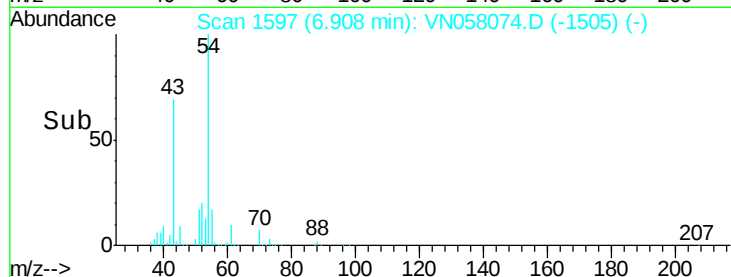
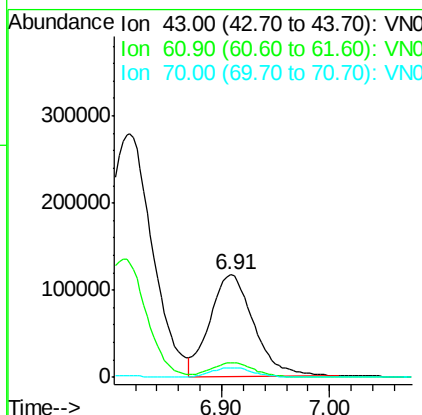
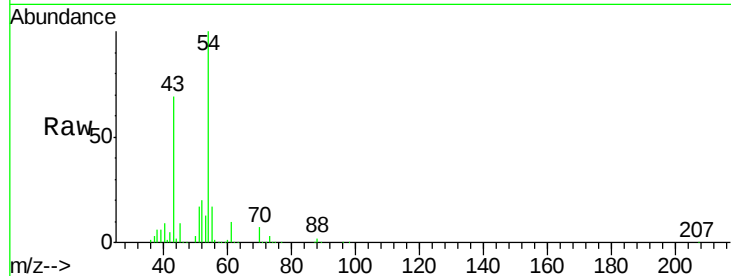
#37
Ethyl Acetate
Concen: 50.949 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.5	7.4	11.0

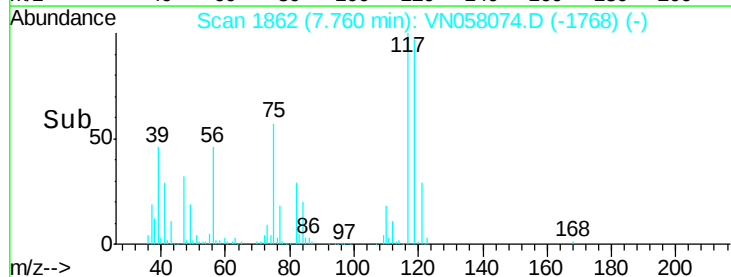
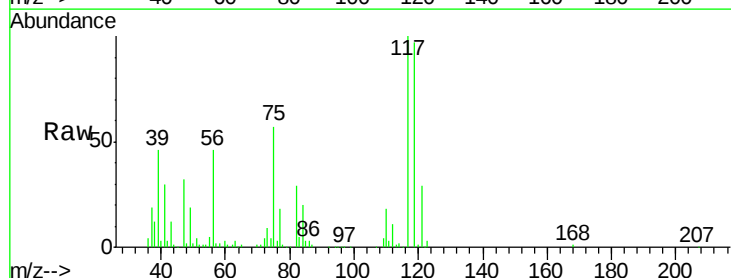
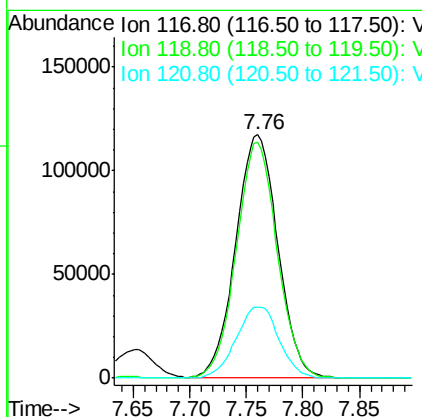
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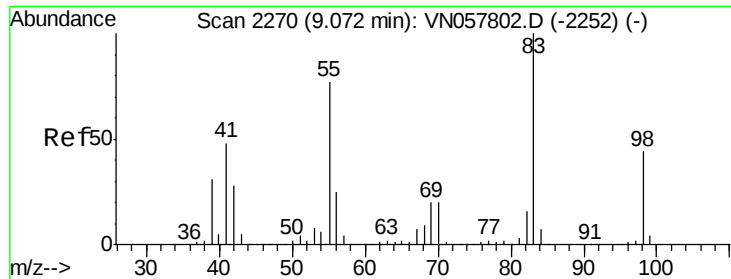
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#38
Carbon Tetrachloride
Concen: 52.809 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.9	115.3
121	29.0	23.4	35.2





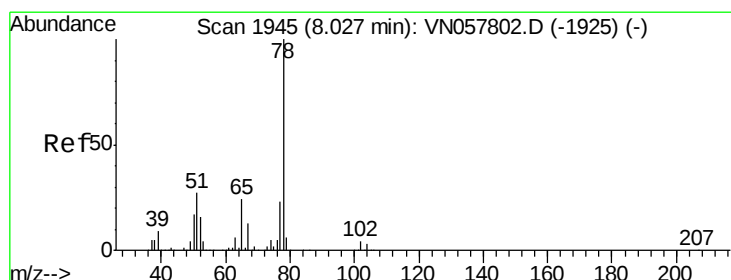
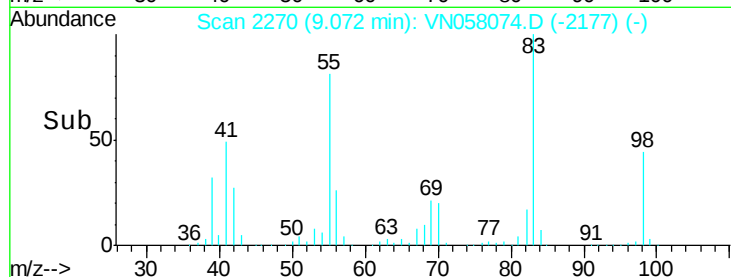
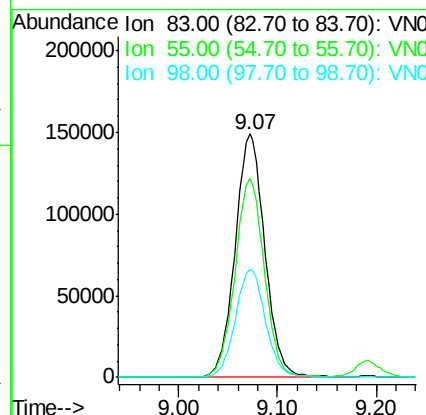
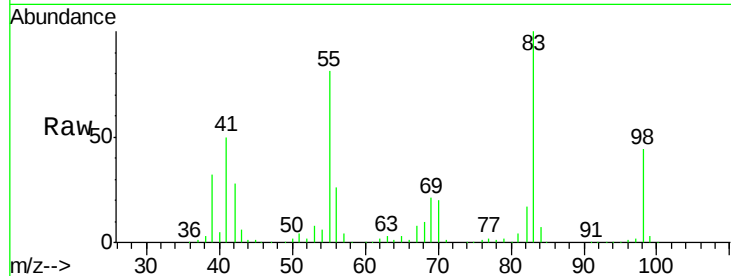
#39
Methvlcvclohexane
Concen: 47.397 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	312191		
55	81.4	61.6	92.4	
98	44.4	34.9	52.3	

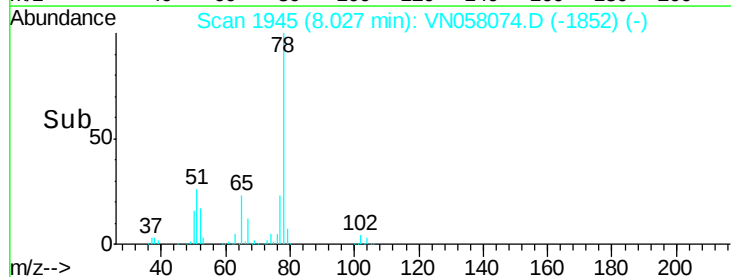
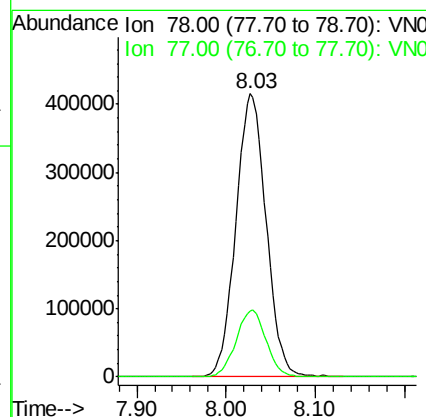
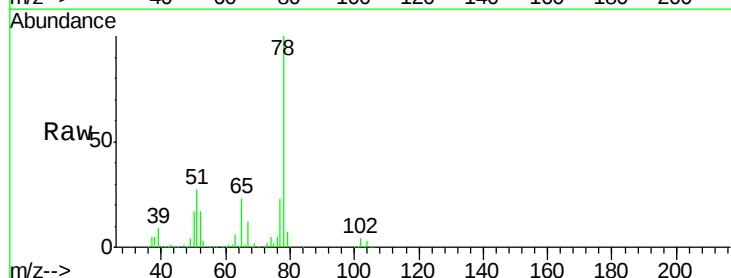
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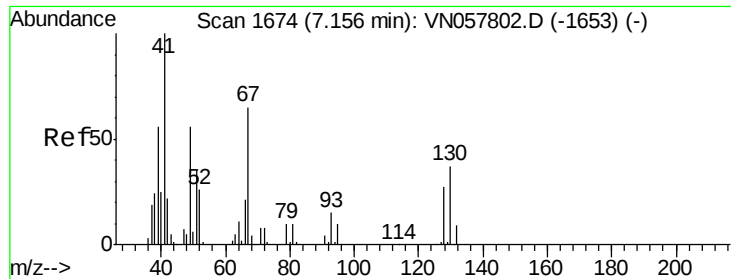
MMDadoda
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#40
Benzene
Concen: 51.845 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	978022		
77	23.3	18.3	27.5	





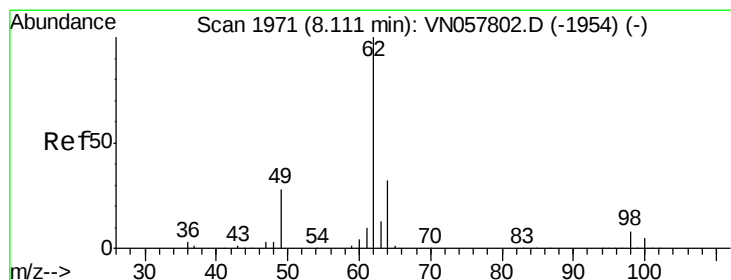
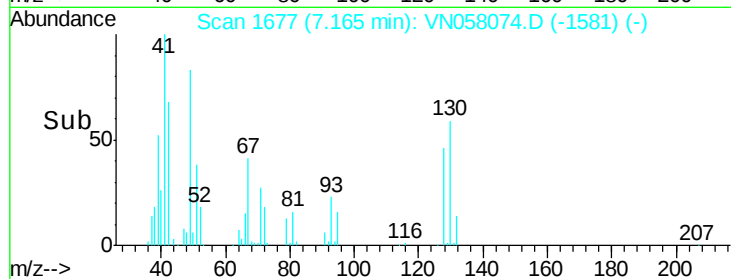
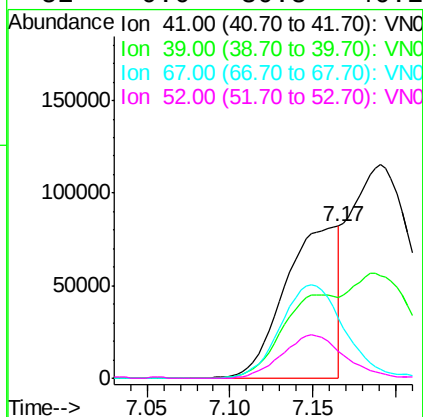
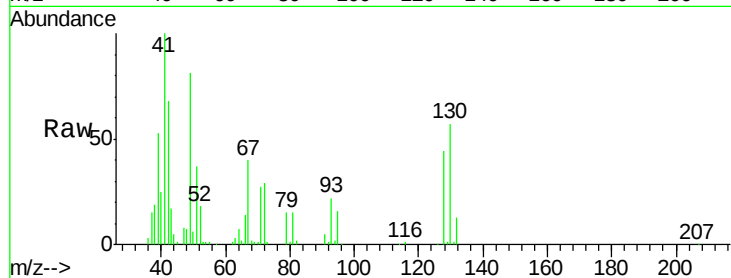
#41
Methacrylonitrile
Concen: 62.660 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	184135
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#

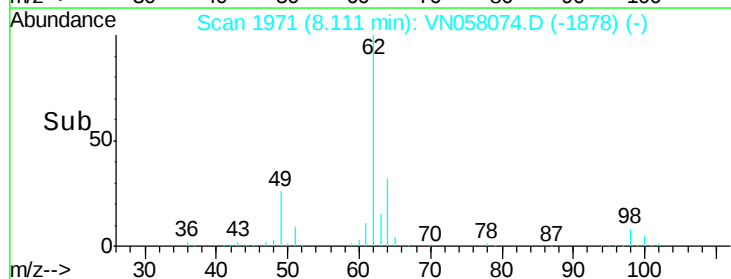
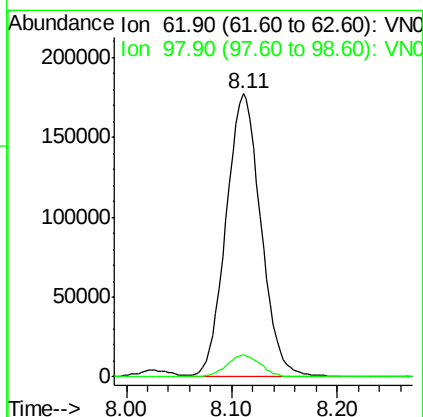
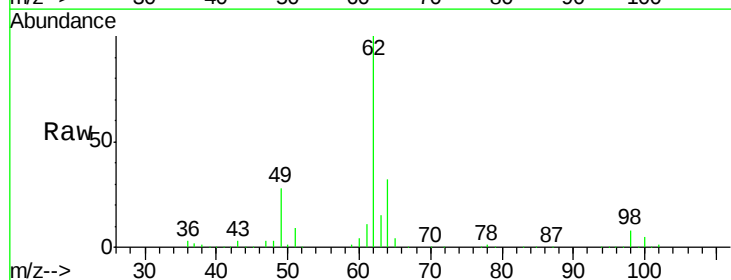
Manual Integrations
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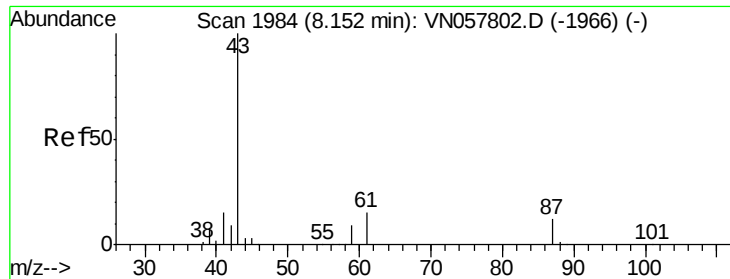
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#42
1,2-Dichloroethane
Concen: 53.372 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	62	Resp	402660
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 57.265 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

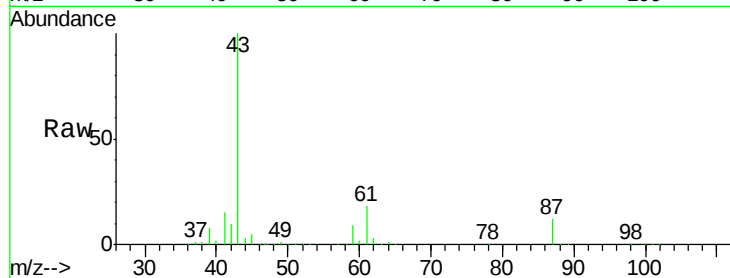
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	623427
Ion	Ratio	Lower	Upper
43	100		
61	23.3	20.1	30.1
87	11.5	9.5	14.3

Manual Integrations
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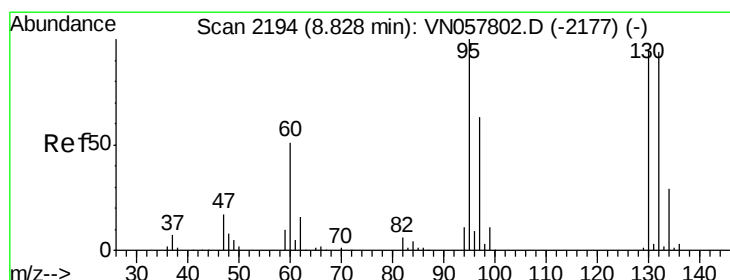
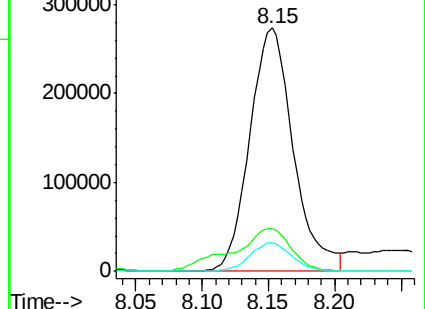
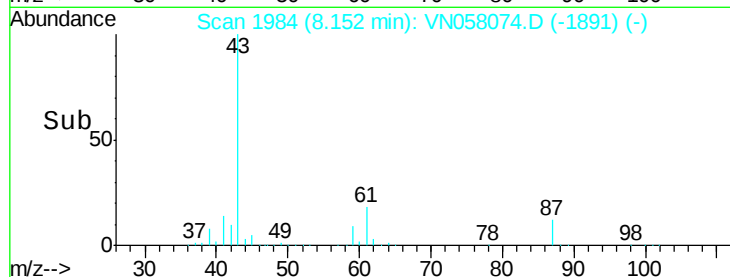


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 51.126 ug/l

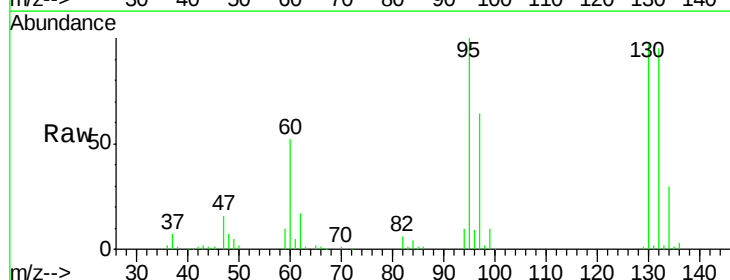
RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

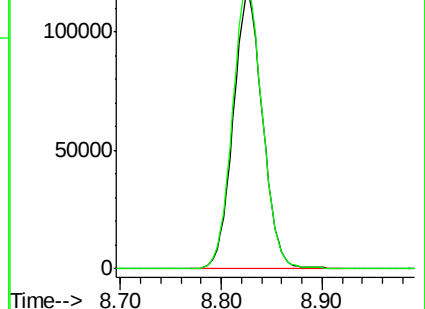
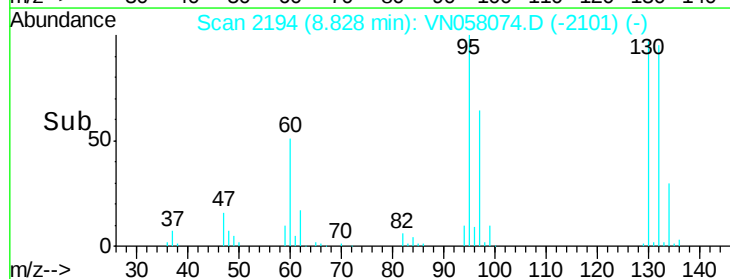
Tgt Ion:	130	Resp:	236550
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	211.4

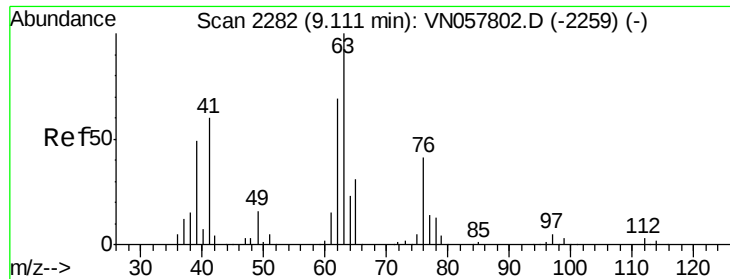


Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

Time-->





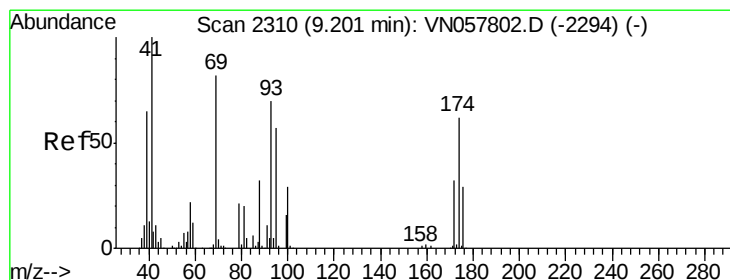
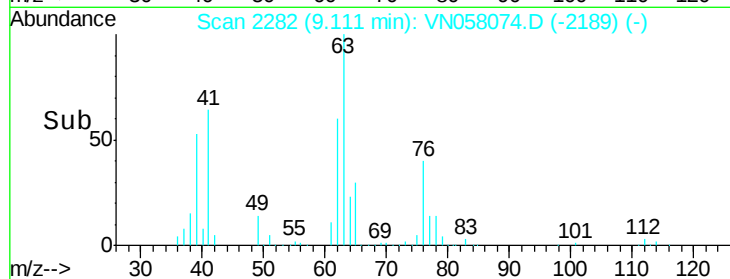
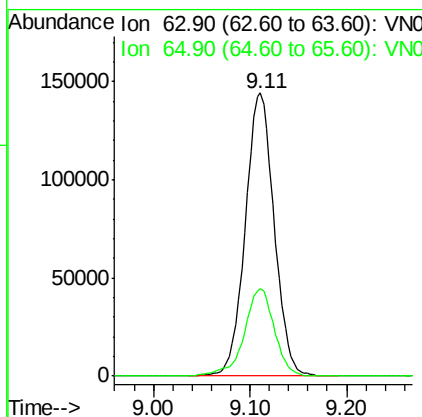
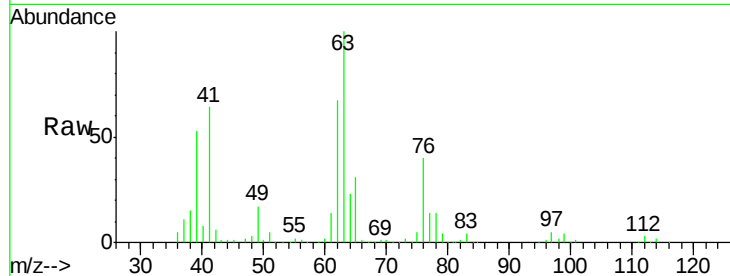
#45
 1,2-Dichloropropane
 Concen: 54.428 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

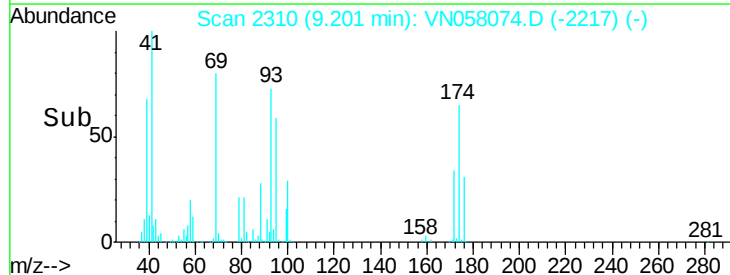
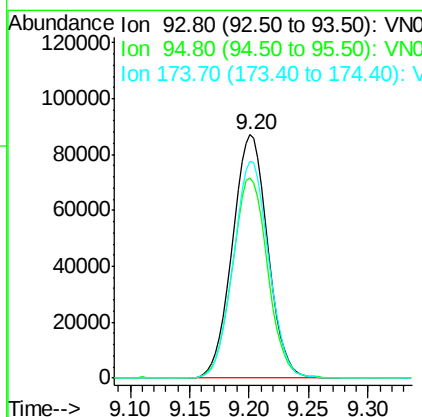
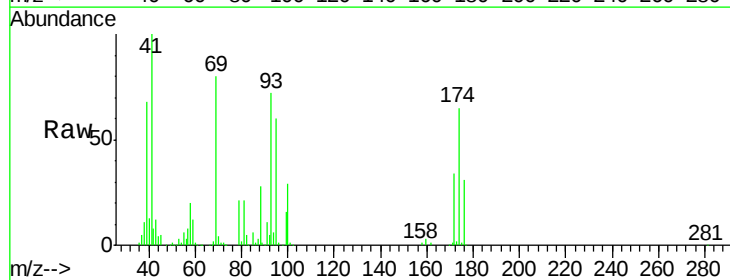
Manual Integrations
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 9/16/2019 2:11:00 PM



#46
 Dibromomethane
 Concen: 54.068 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.9	98.9
174	89.2	71.8	107.6





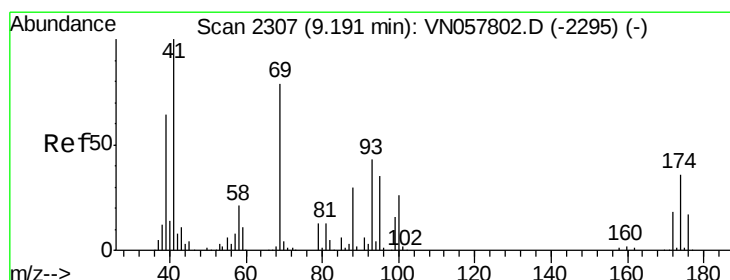
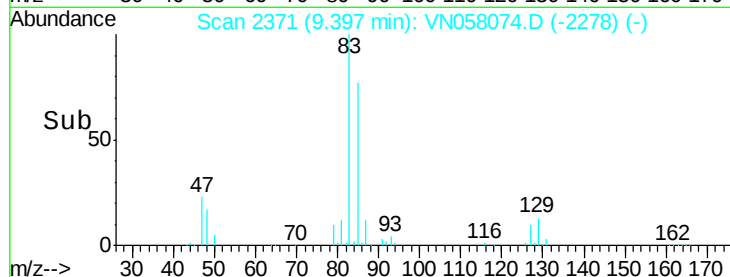
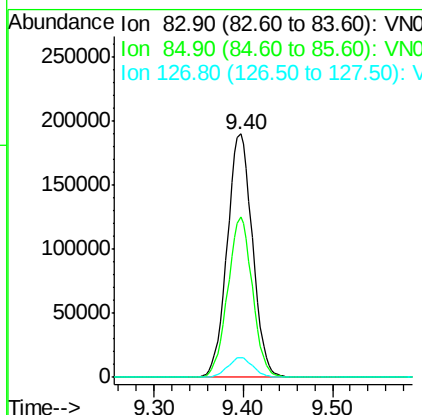
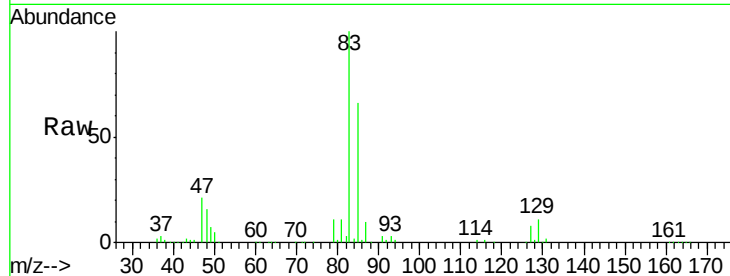
#47
Bromodichloromethane
Concen: 56.169 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	372048		
85	65.8	49.9	74.9	
127	8.3	6.5	9.7	

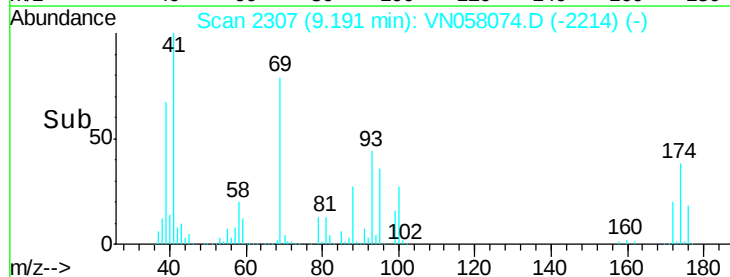
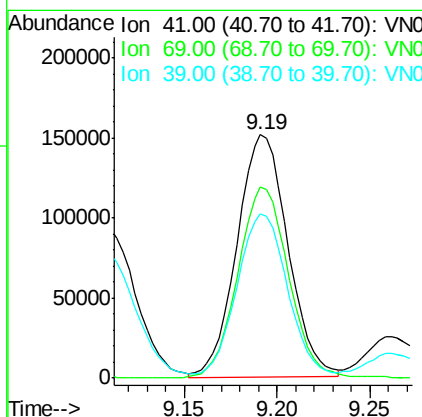
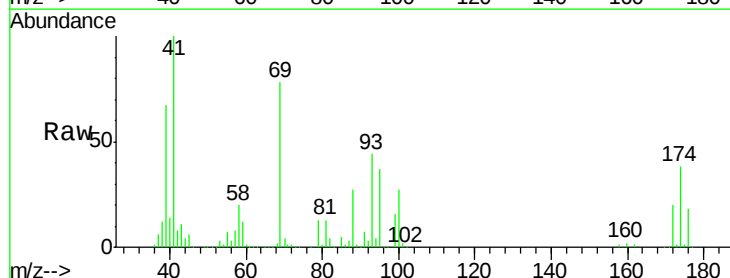
Manual Integrations
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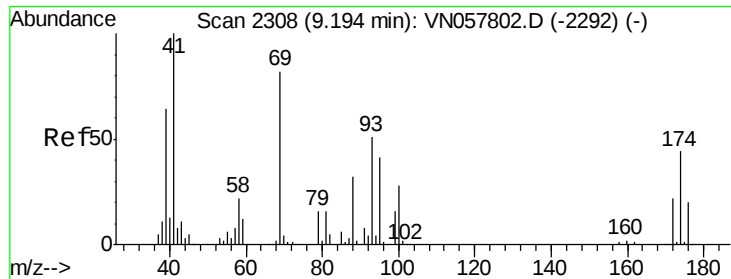
MMDadoda
9/16/2019 2:11:00 PM



#48
Methyl methacrylate
Concen: 52.486 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	289851		
69	78.8	62.7	94.1	
39	67.6	52.7	79.1	





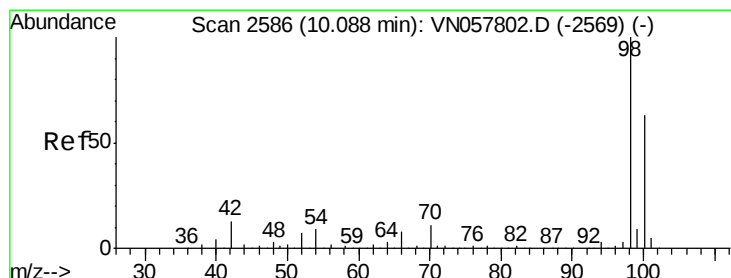
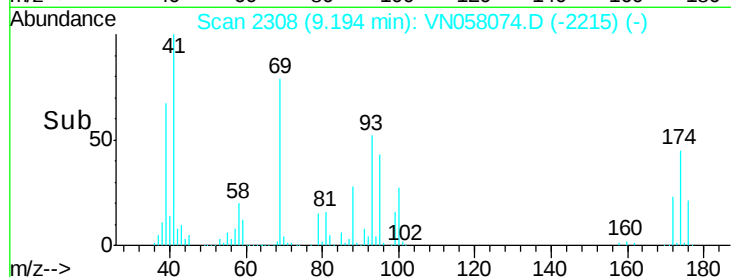
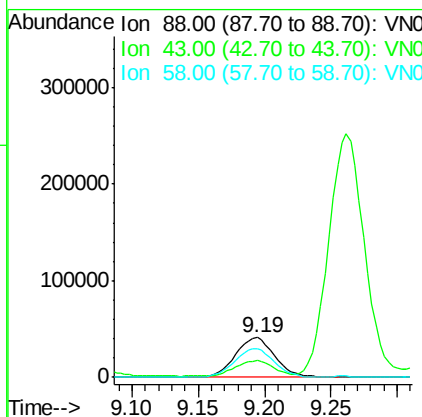
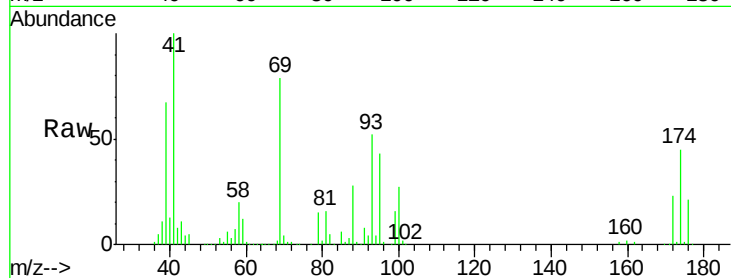
#49
1,4-Dioxane
Concen: 915.690 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	28.5	42.7
58	72.2	55.8	83.6

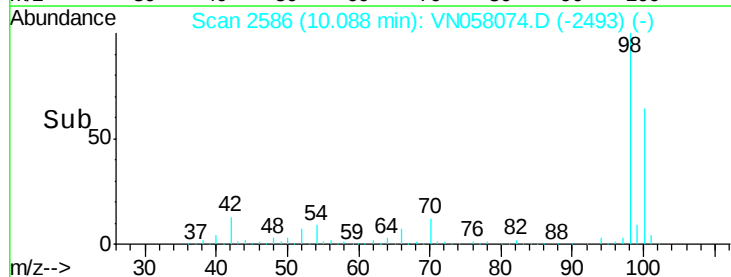
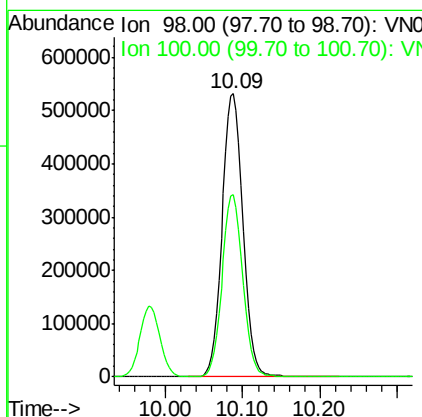
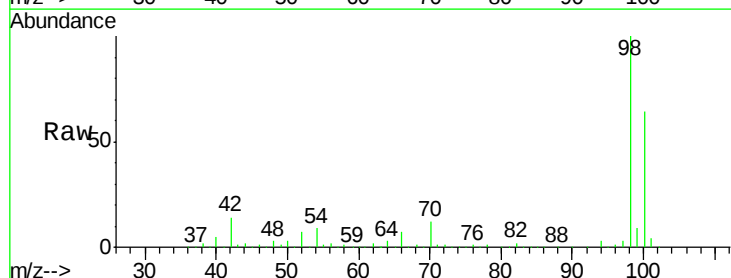
Manual Integrations
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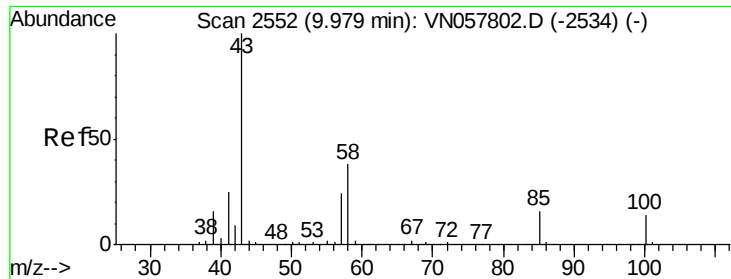
MMDadoda
9/16/2019 2:11:00 PM



#50
Toluene-d8
Concen: 51.446 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 281.556 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1813908

Ion Ratio Lower Upper

43 100

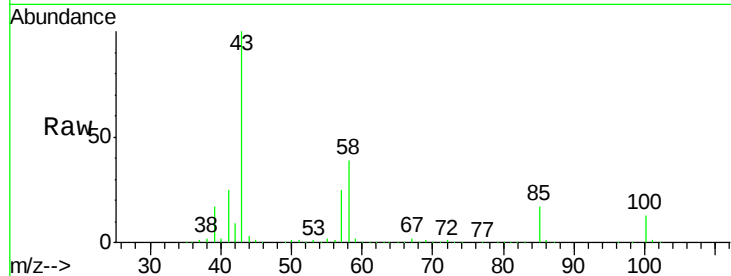
58 37.7 29.8 44.6

Manual Integrations

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MMDadoda

9/16/2019 2:11:00 PM



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

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

9.98

1000000

800000

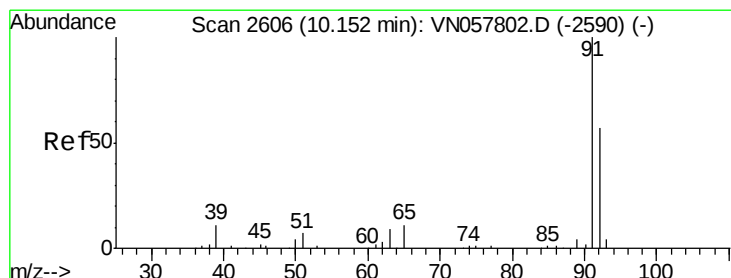
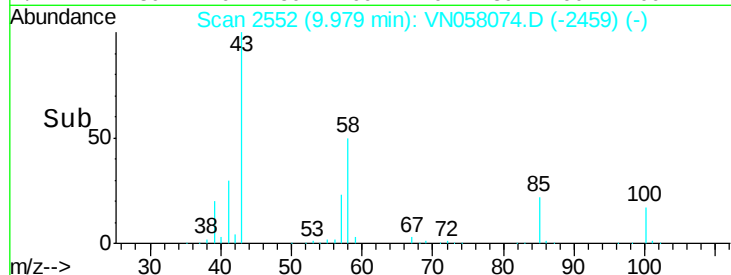
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.275 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058074.D

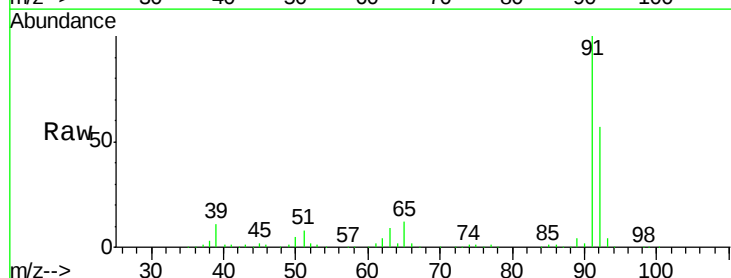
Acq: 14 Sep 2019 13:39

Tgt Ion: 92 Resp: 621098

Ion Ratio Lower Upper

92 100

91 176.5 141.0 211.6



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

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

10.15

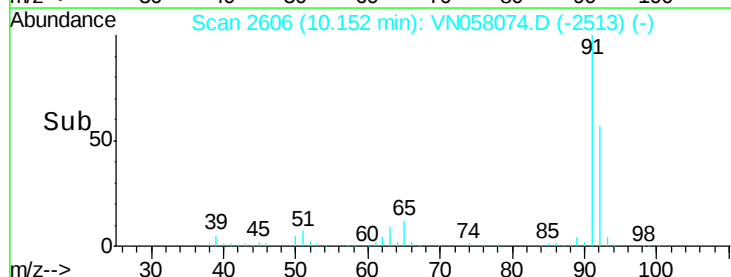
600000

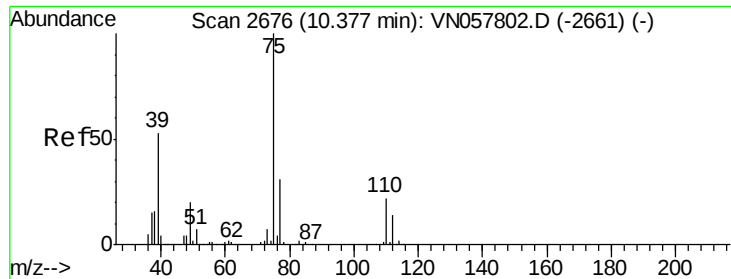
400000

200000

0

Time-->





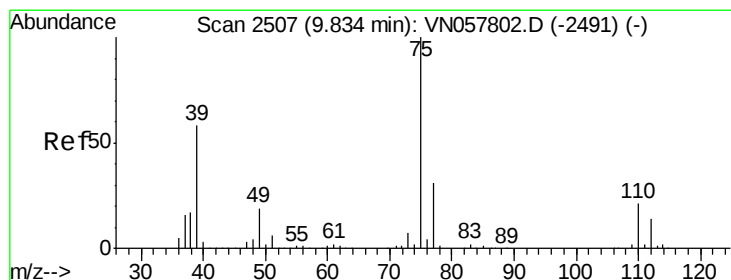
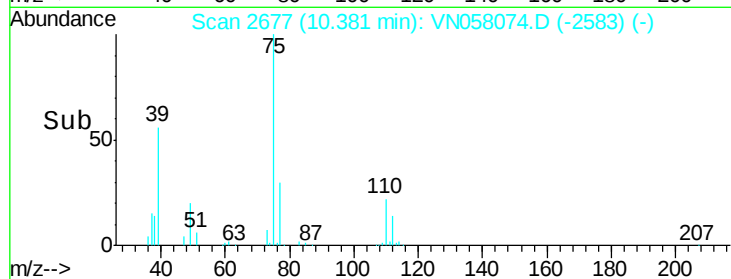
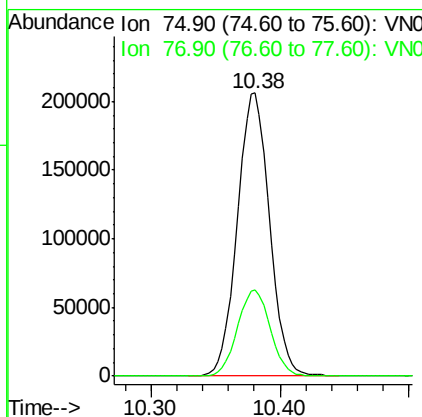
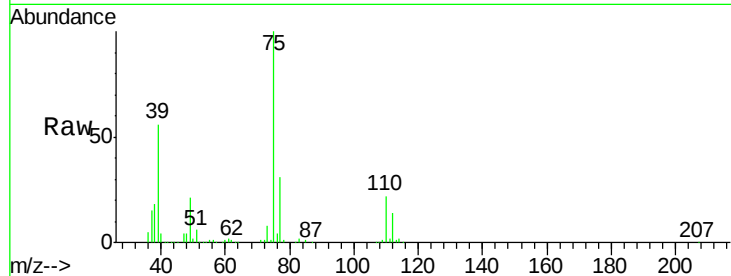
#53
t-1,3-Dichloropropene
Concen: 51.315 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 357934
Ion Ratio Lower Upper
75 100
77 30.5 24.5 36.7

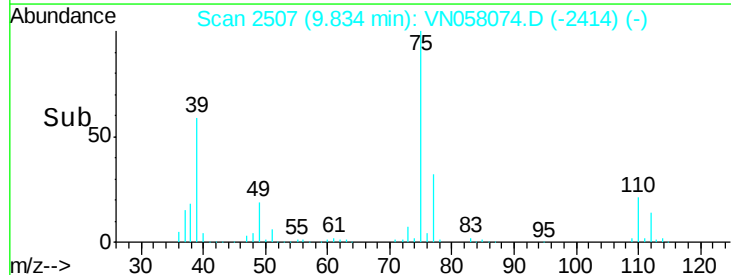
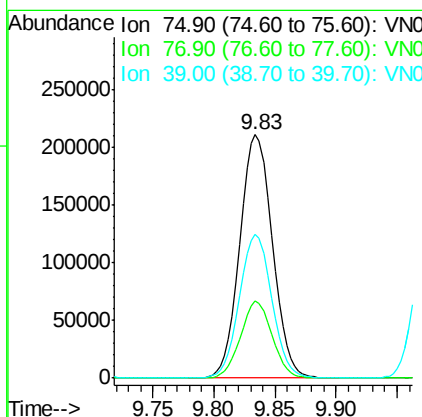
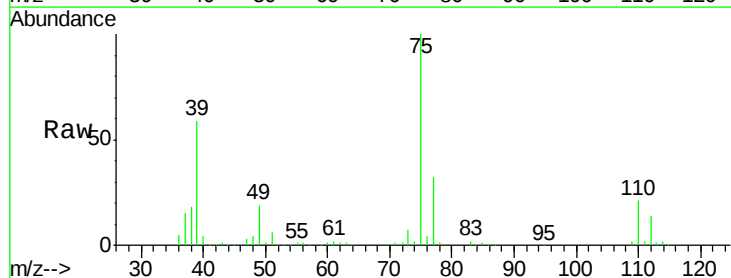
Manual Integrations
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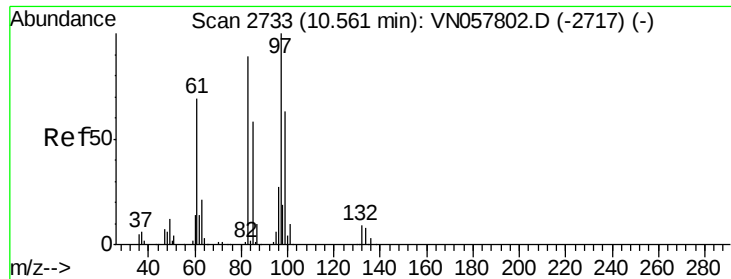
MMDadoda
9/16/2019 2:11:00 PM



#54
cis-1,3-Dichloropropene
Concen: 50.676 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 75 Resp: 390259
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2
39 59.0 46.2 69.4





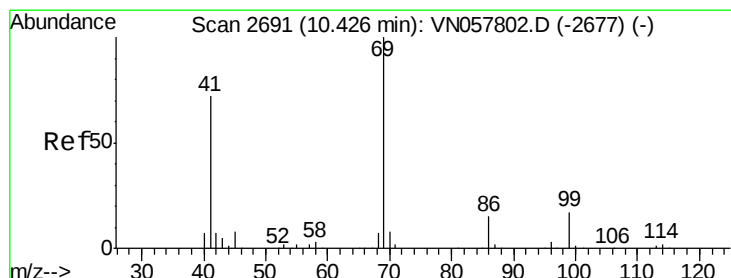
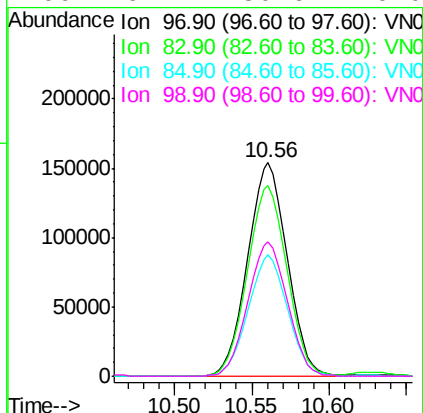
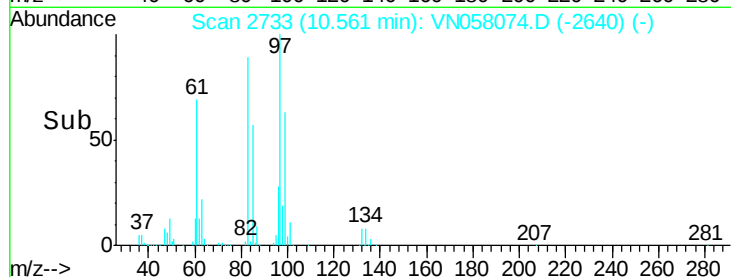
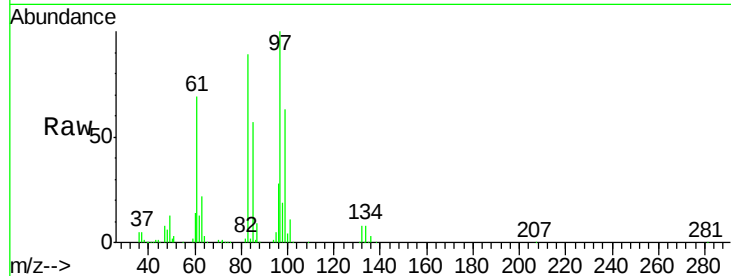
#55
 1,1,2-Trichloroethane
 Concen: 54.416 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	273866
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.8	106.2
85	57.0	46.0	69.0
99	62.7	50.6	76.0

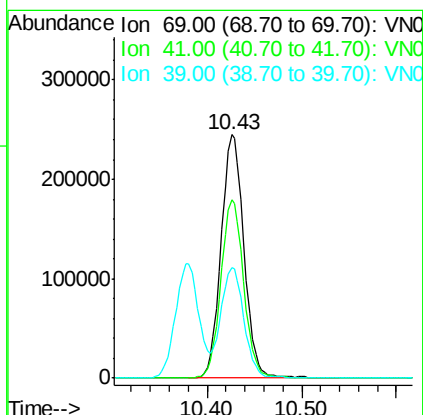
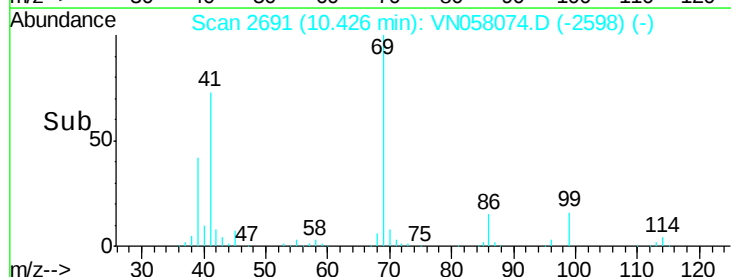
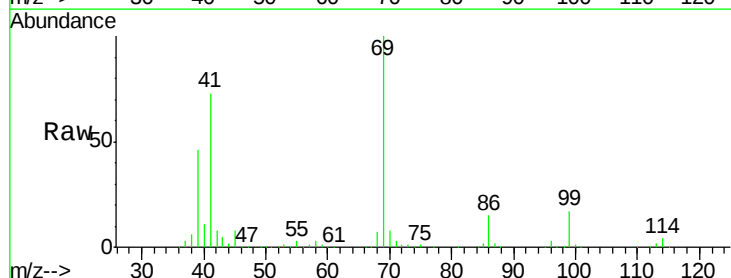
Manual Integrations
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 9/16/2019 2:11:00 PM



#56
 Ethyl methacrylate
 Concen: 54.247 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion:	69	Resp:	411131
Ion	Ratio	Lower	Upper
69	100		
41	72.1	56.7	85.1
39	45.6	36.3	54.5





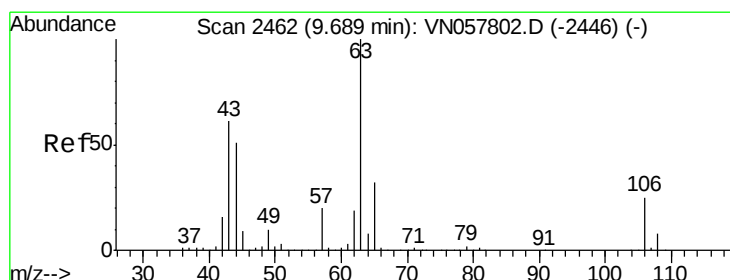
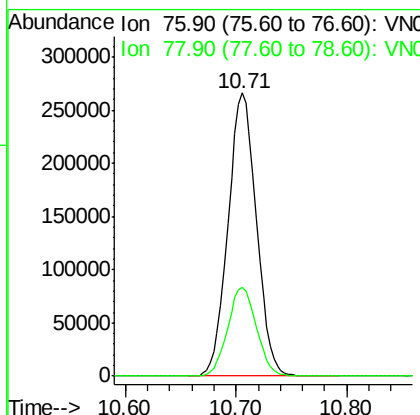
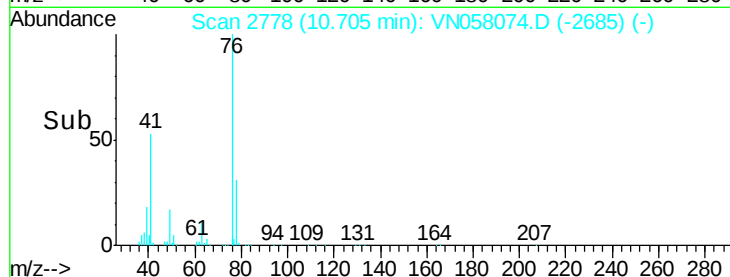
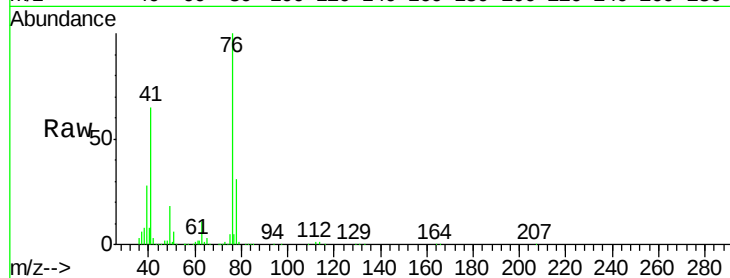
#57
 1,3-Dichloropropane
 Concen: 54.686 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 474311
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.4 38.2

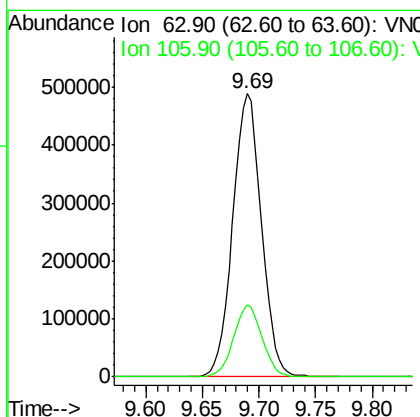
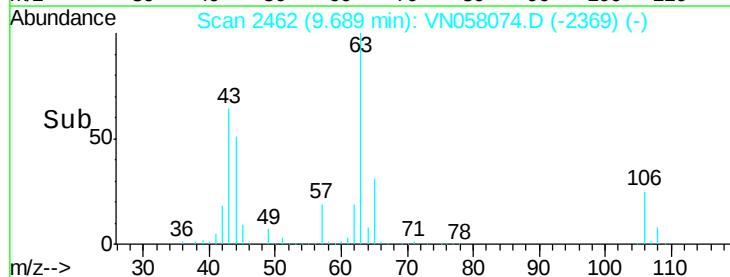
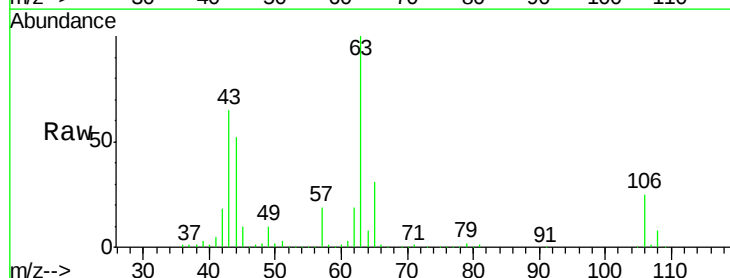
Manual Integrations
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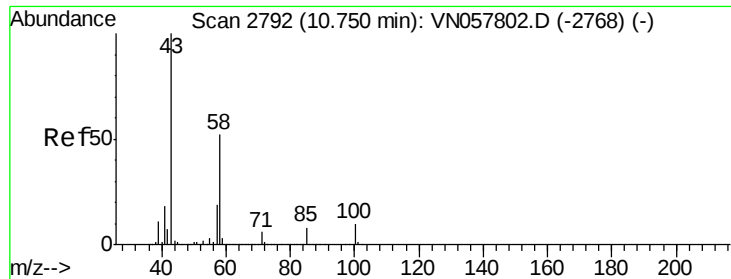
MMDadoda
 9/16/2019 2:11:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.685 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion: 63 Resp: 862717
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.0 30.0





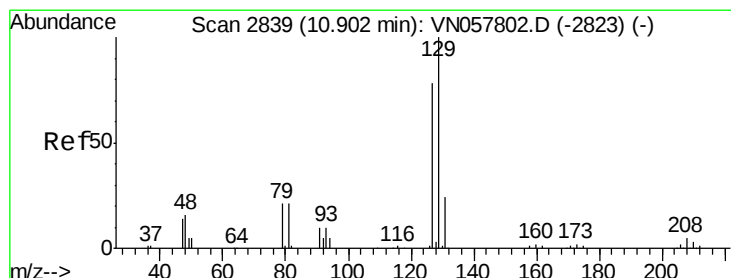
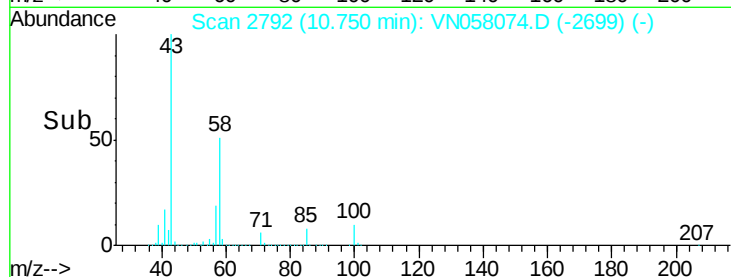
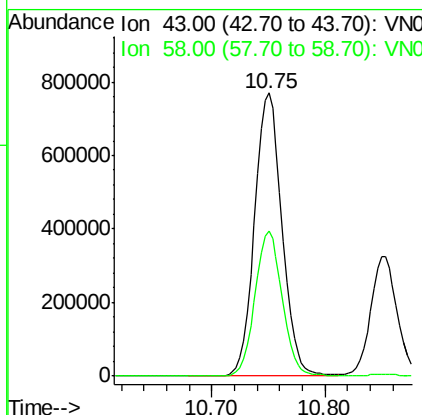
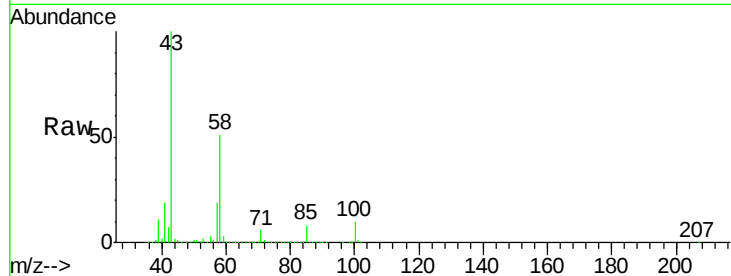
#59
2-Hexanone
Concen: 268.169 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 1294949
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8

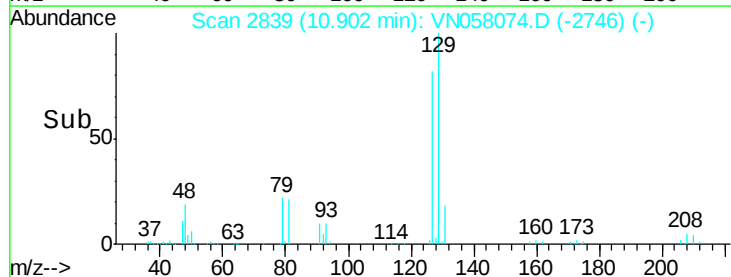
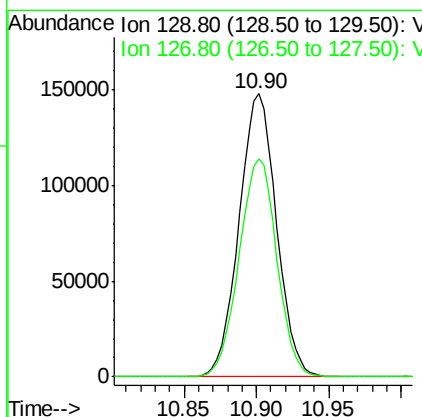
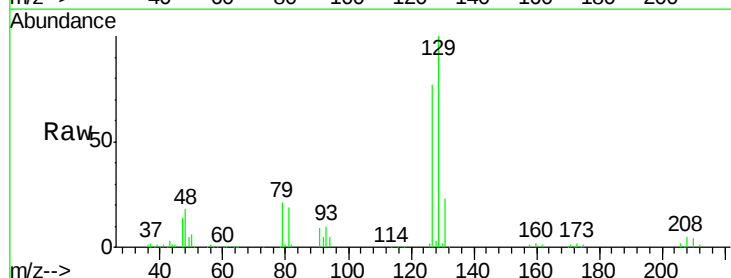
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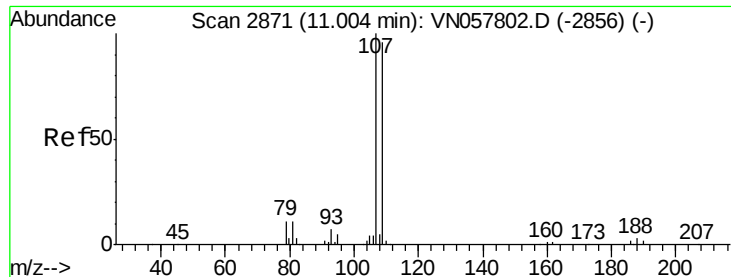
MMDadoda
9/16/2019 2:11:00 PM



#60
Dibromochloromethane
Concen: 56.914 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 129 Resp: 265985
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0





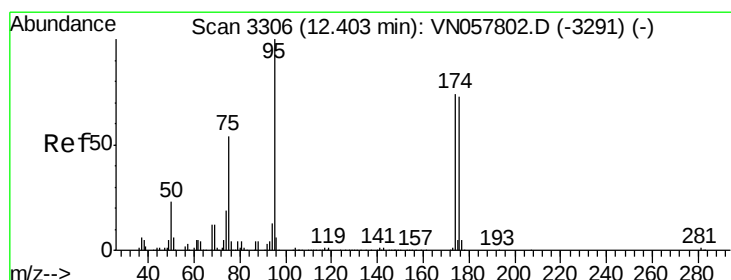
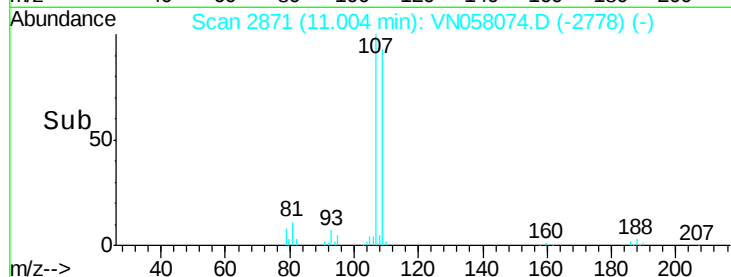
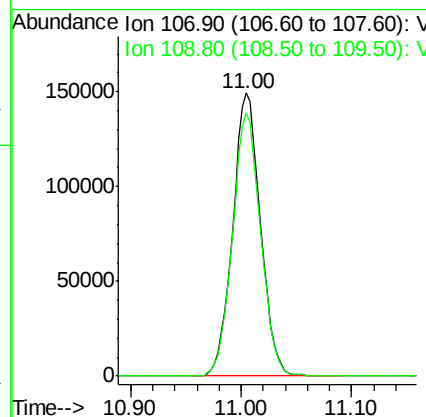
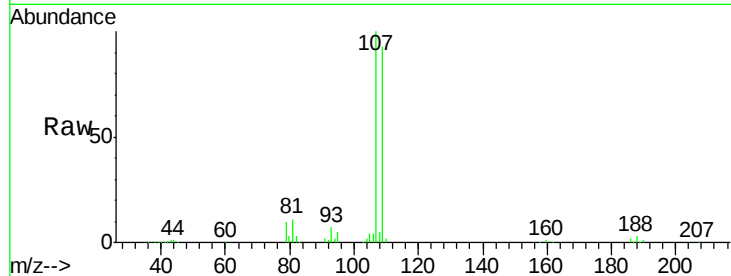
#61
 1,2-Dibromoethane
 Concen: 54.619 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.3	112.9

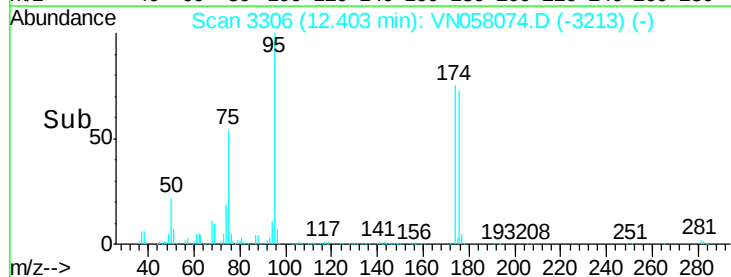
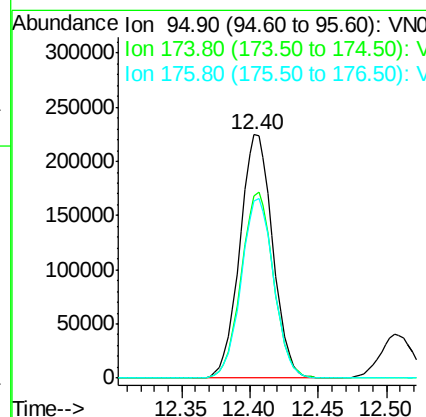
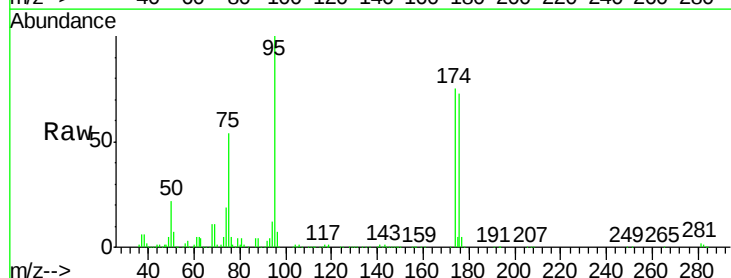
Manual Integrations
 APPROVED

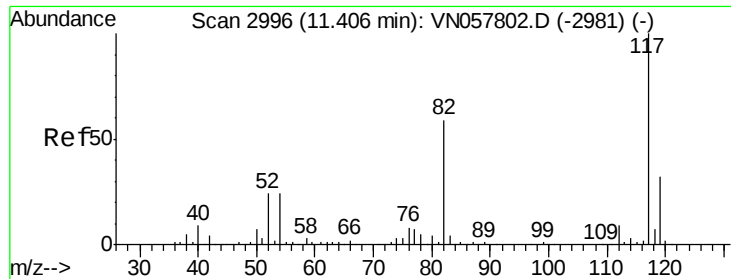
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.908 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.2
176	73.2	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: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

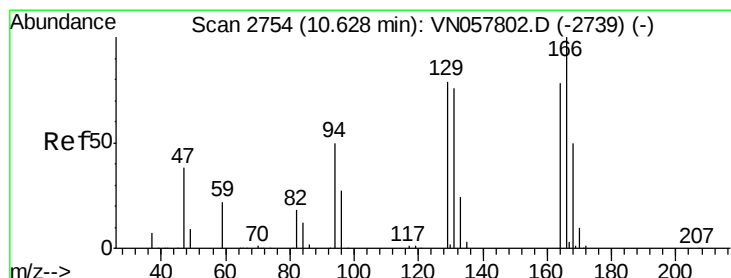
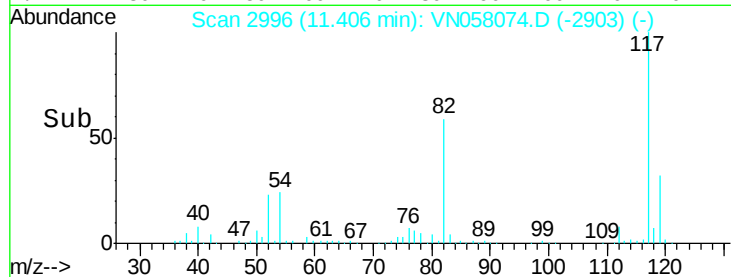
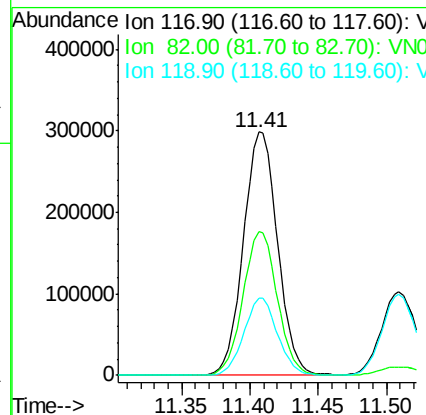
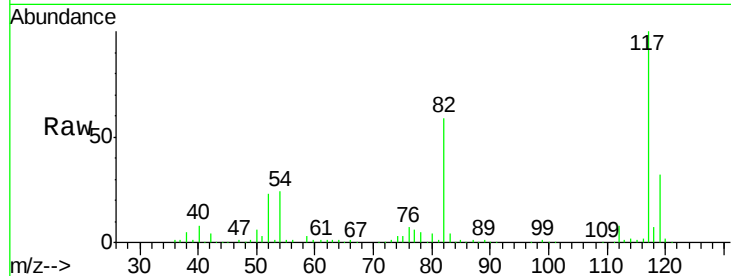
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	520121
Ion Ratio	Lower	Upper	
117	100		
82	59.2	47.2	70.8
119	31.9	25.3	37.9

Manual Integrations
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#64

Tetrachloroethene

Concen: 54.819 ug/l

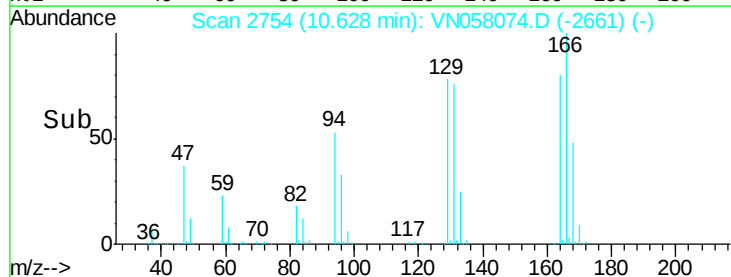
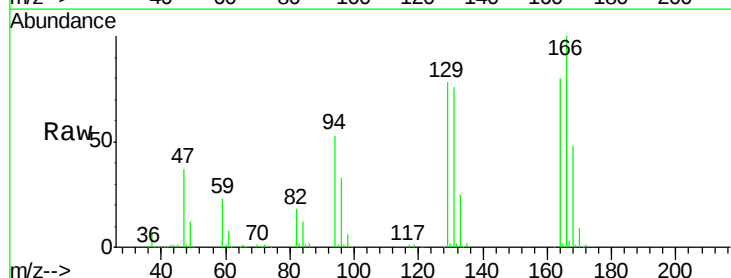
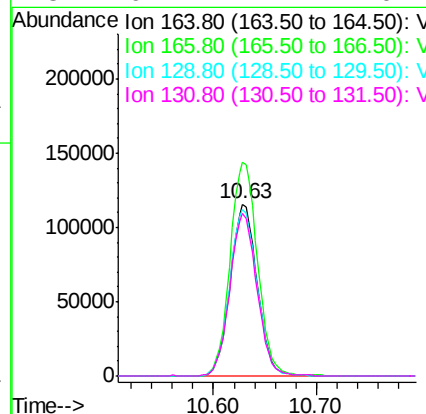
RT: 10.63 min Scan# 2754

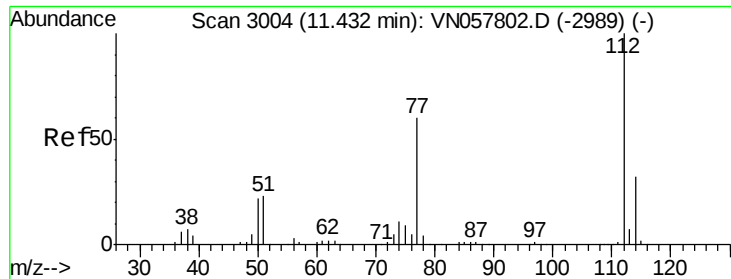
Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tgt Ion:	164	Resp:	210524
Ion Ratio	Lower	Upper	
164	100		
166	124.3	102.2	153.2
129	97.0	80.8	121.2
131	94.4	77.4	116.2





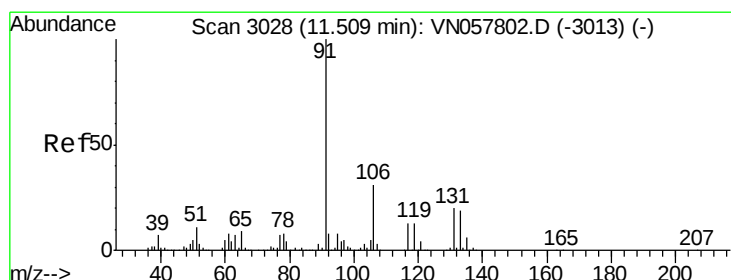
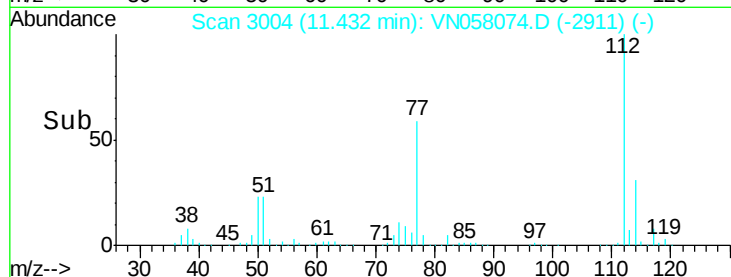
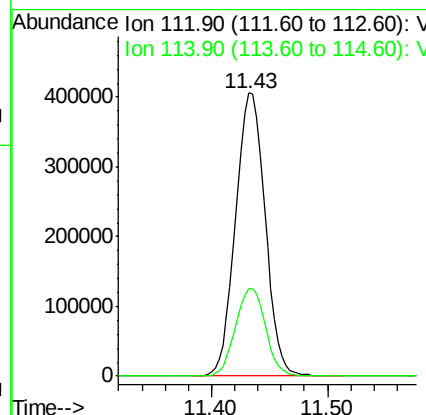
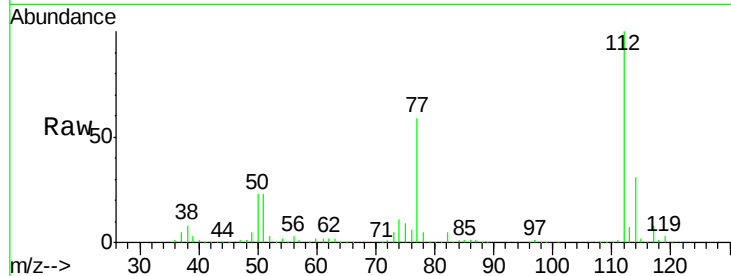
#65
Chlorobenzene
Concen: 52.538 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 715140
Ion Ratio Lower Upper
112 100
114 30.9 25.2 37.8

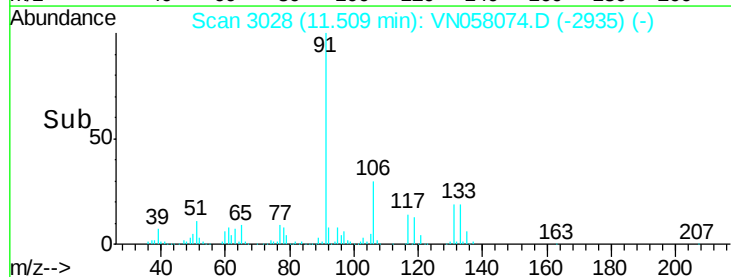
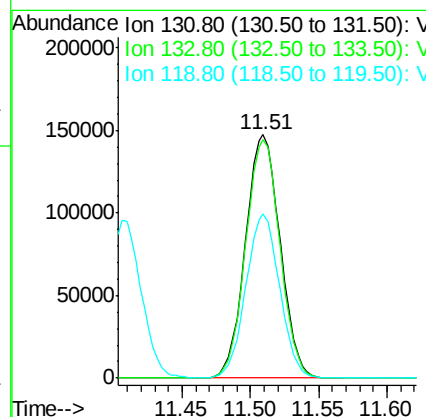
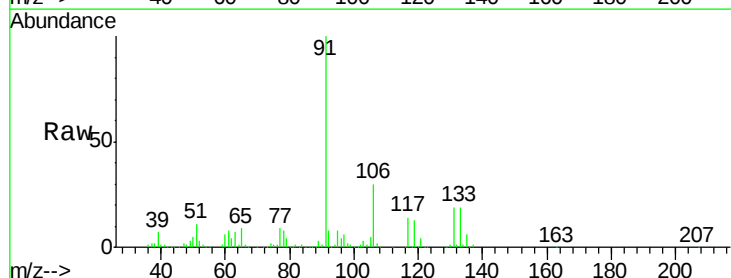
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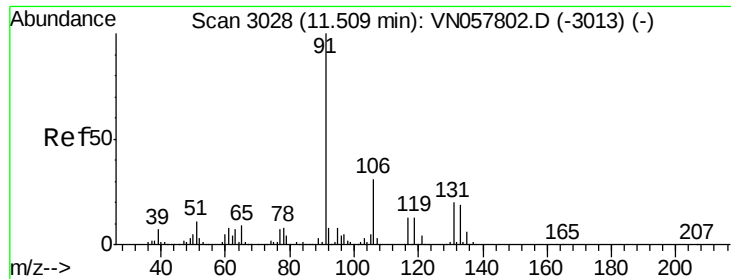
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.127 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion:131 Resp: 260381
Ion Ratio Lower Upper
131 100
133 96.8 47.1 141.3
119 65.7 33.3 99.8





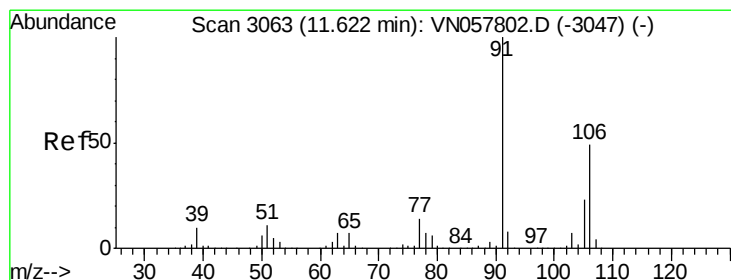
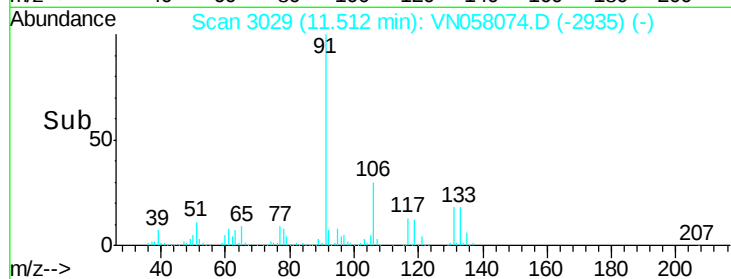
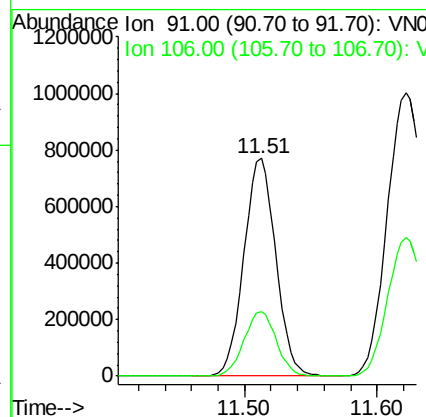
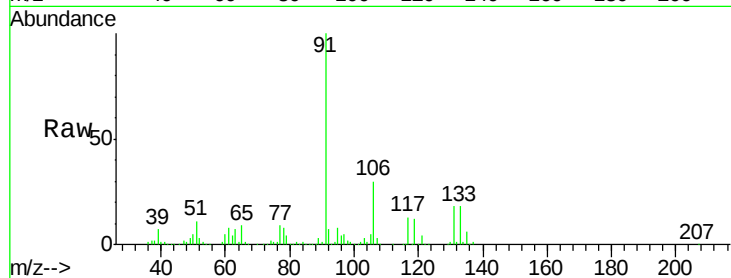
#67
Ethyl Benzene
Concen: 54.042 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1289199
Ion Ratio Lower Upper
91 100
106 29.9 24.4 36.6

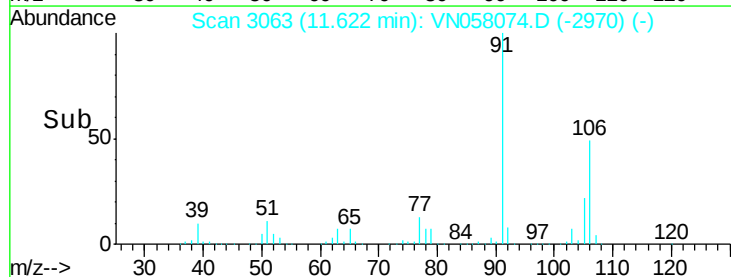
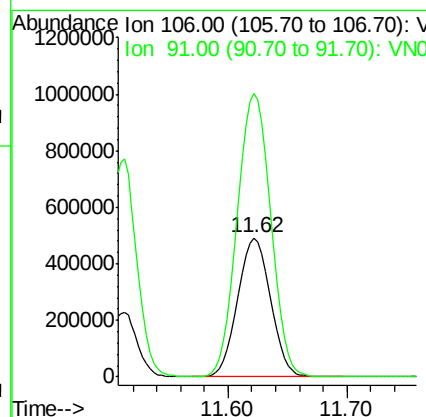
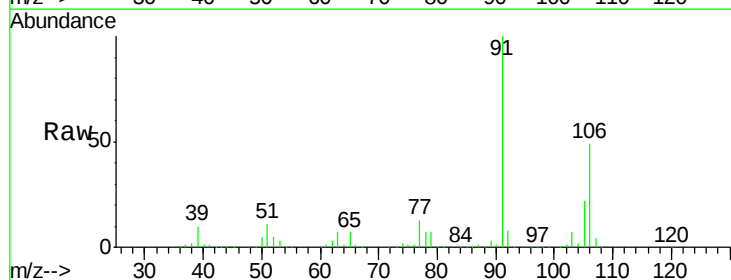
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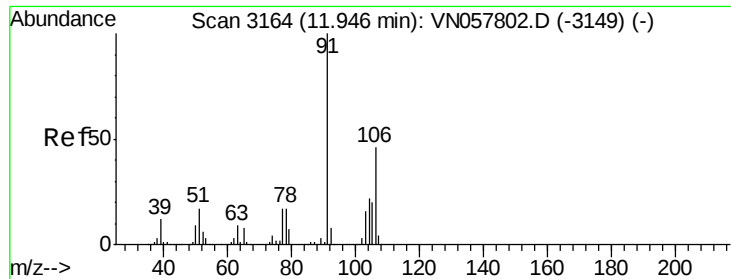
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#68
m/p-Xylenes
Concen: 108.118 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 106 Resp: 944759
Ion Ratio Lower Upper
106 100
91 208.0 165.8 248.6





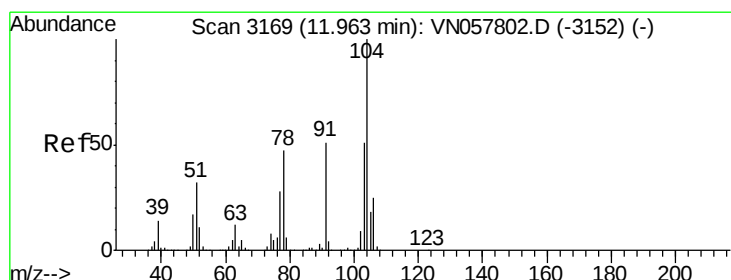
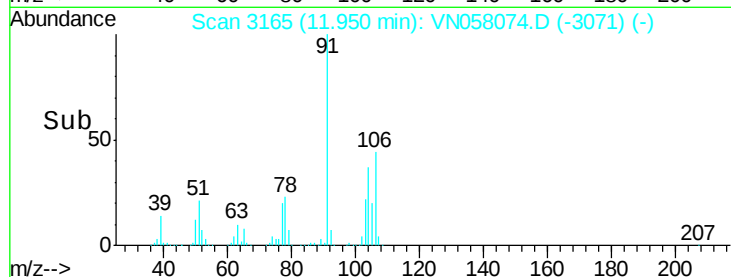
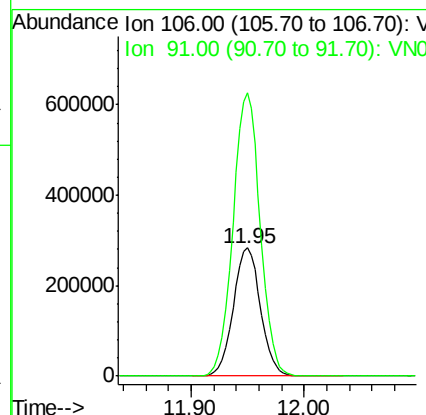
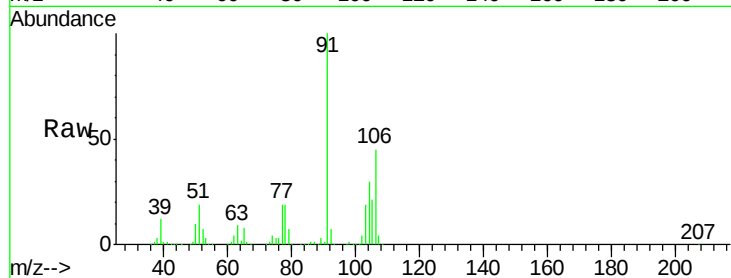
#69
o-Xylene
Concen: 54.300 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 471714
Ion Ratio Lower Upper
106 100
91 220.8 108.7 326.1

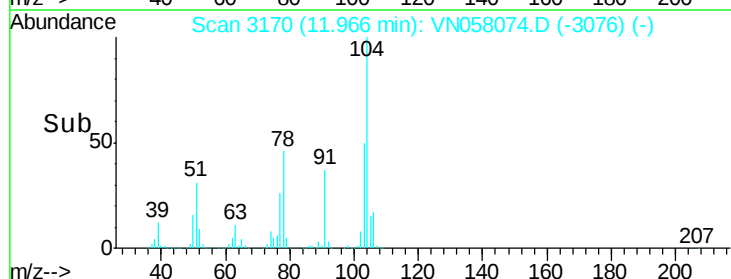
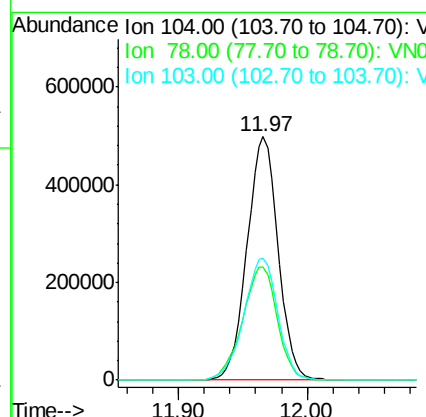
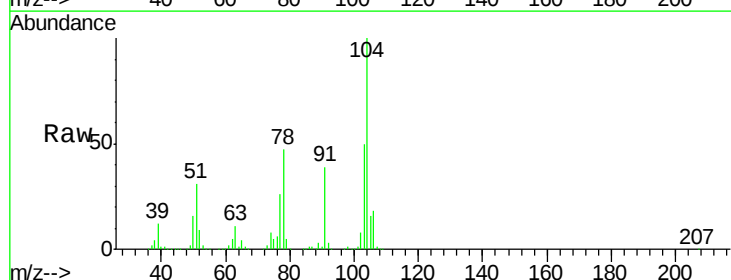
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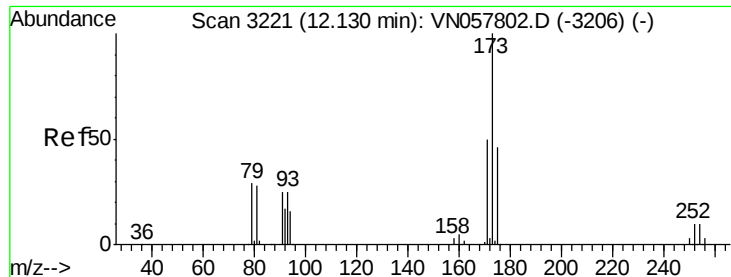
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#70
Styrene
Concen: 55.985 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion:104 Resp: 836995
Ion Ratio Lower Upper
104 100
78 52.0 41.3 61.9
103 54.7 43.7 65.5





#71

Bromoform

Concen: 56.603 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 166683

Ion Ratio Lower Upper

173 100

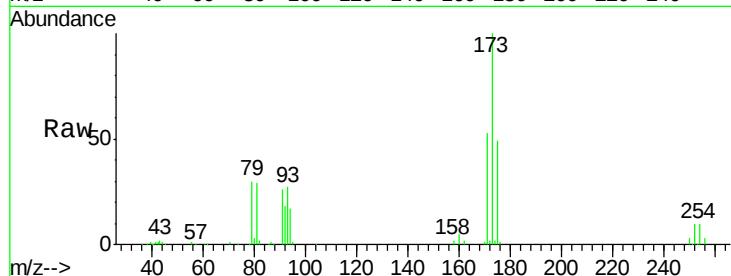
175 48.4 23.5 70.6

254 0.0 0.1 0.1#

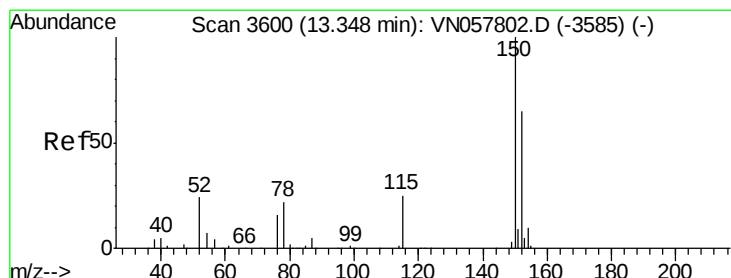
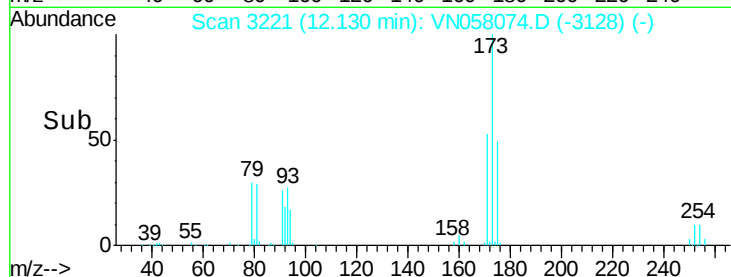
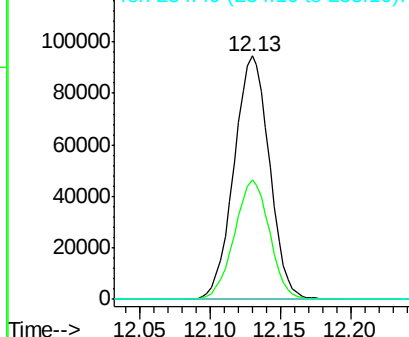
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

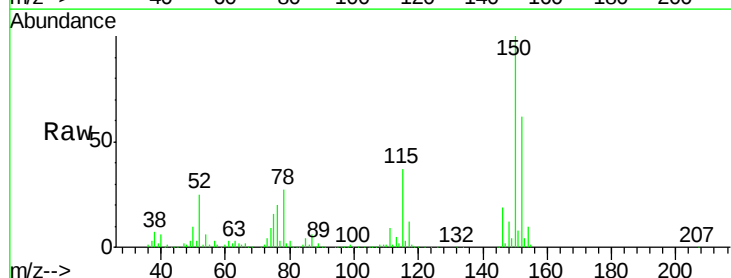
Tgt Ion:152 Resp: 324534

Ion Ratio Lower Upper

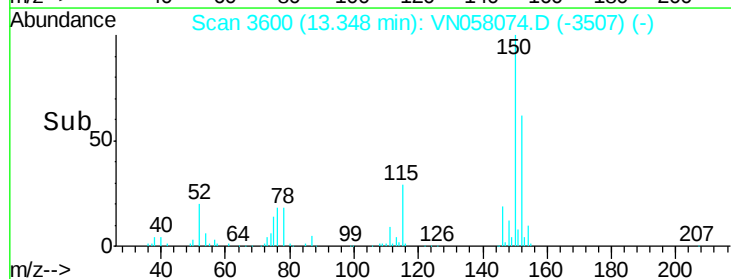
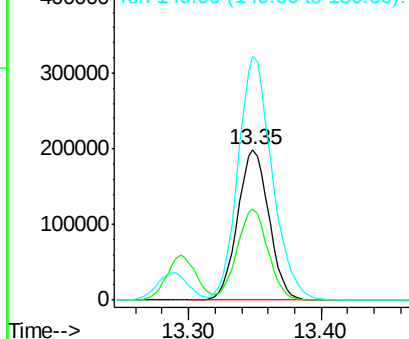
152 100

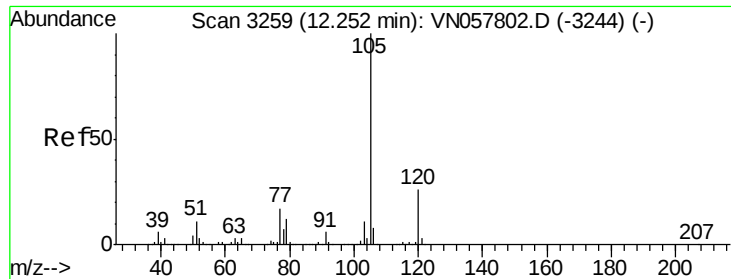
115 59.9 30.3 91.0

150 176.7 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: 52.961 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1333721

Ion Ratio Lower Upper

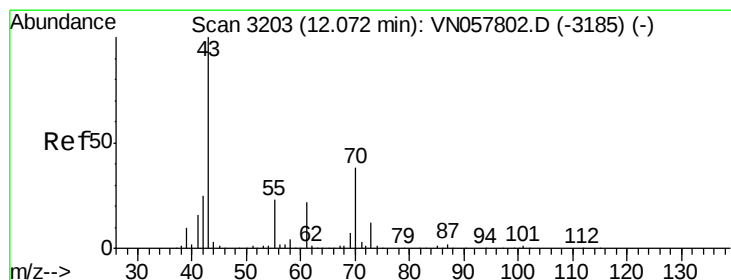
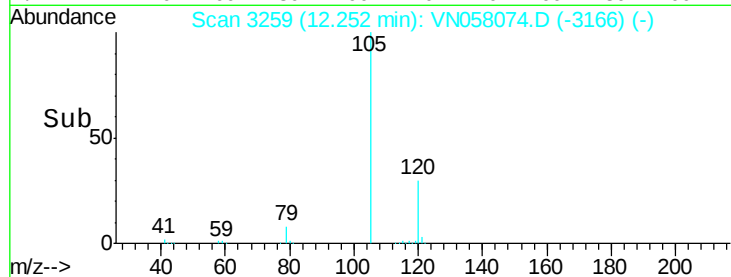
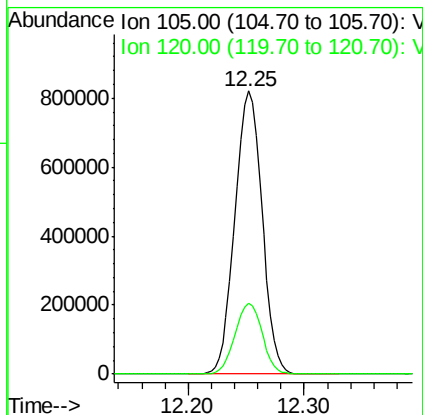
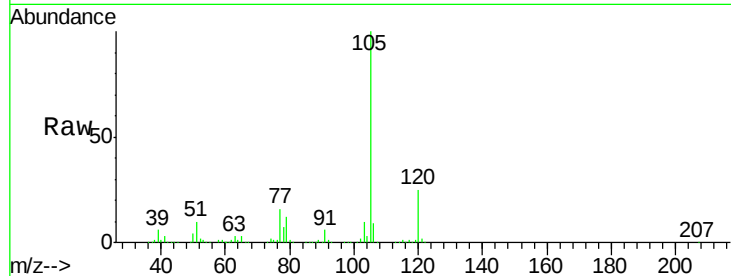
105 100

120 25.2 12.8 38.4

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#74

N-ethyl acetate

Concen: 50.997 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tgt Ion: 43 Resp: 558904

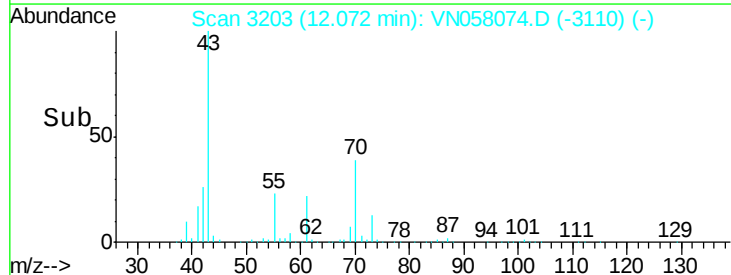
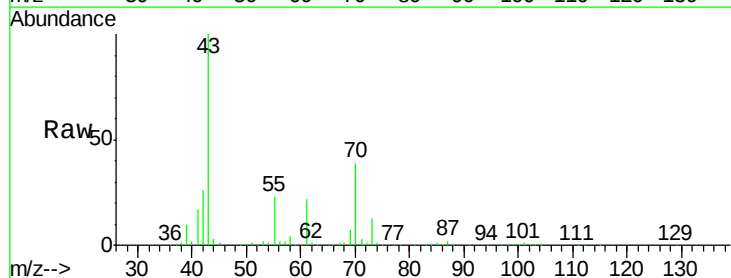
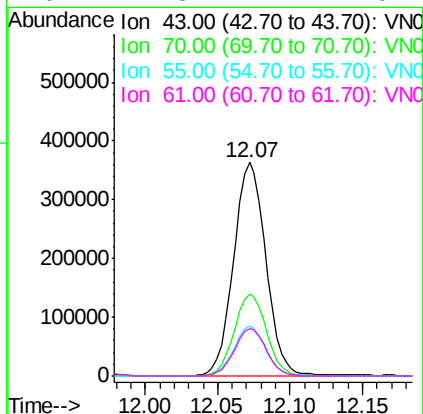
Ion Ratio Lower Upper

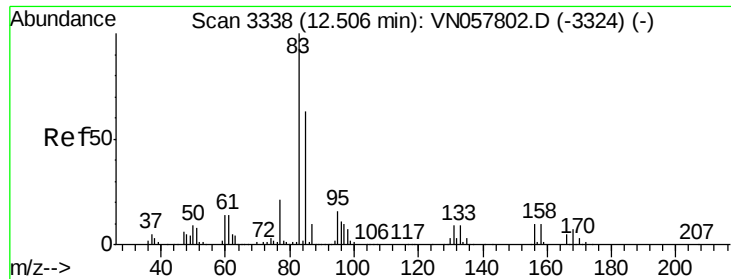
43 100

70 38.7 30.6 45.8

55 23.5 18.6 27.8

61 22.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.585 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

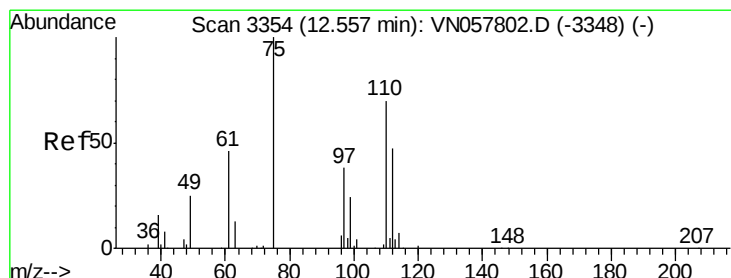
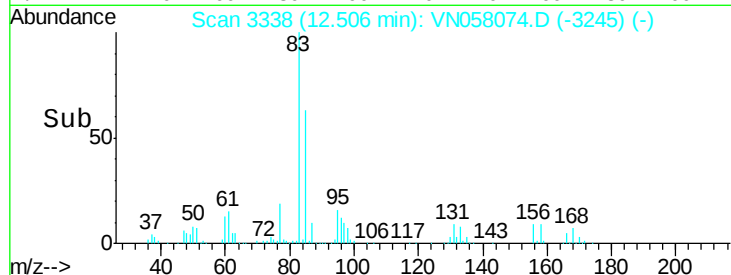
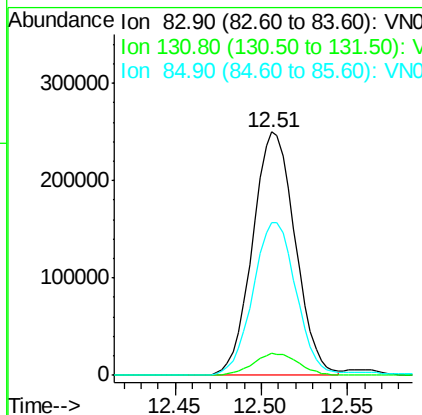
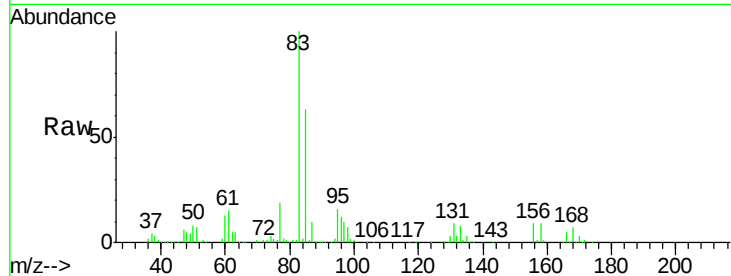
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	428914
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	63.6	31.6	94.7

Manual Integrations
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9/16/2019 2:11:00 PM



#76

1,2,3-Trichloropropane

Concen: 52.007 ug/l m

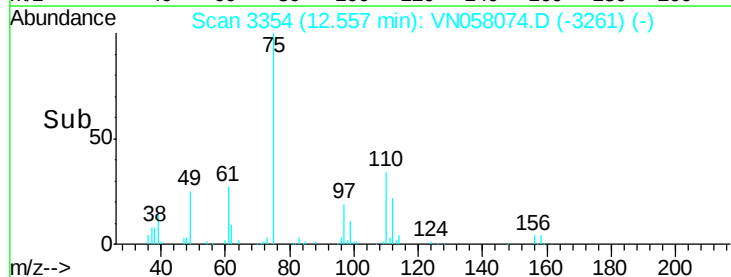
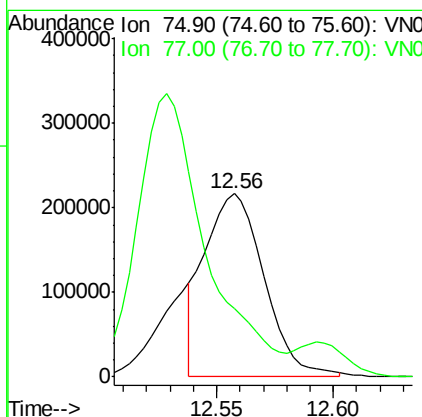
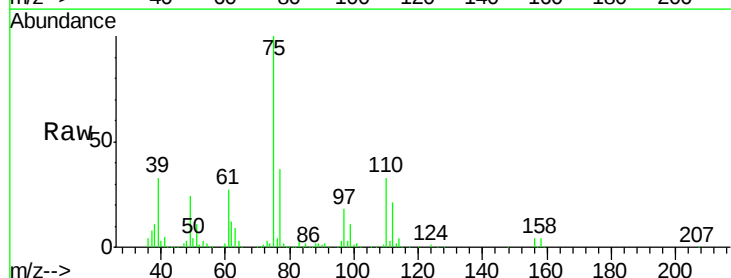
RT: 12.56 min Scan# 3354

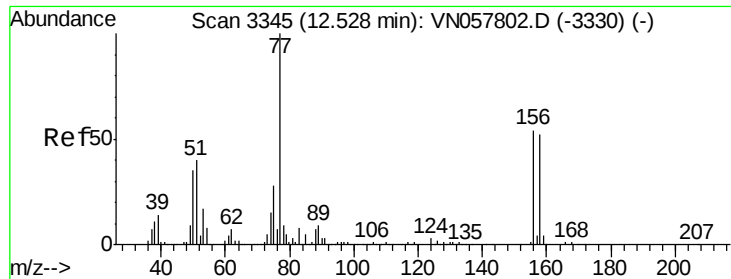
Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Tgt Ion:	75	Resp:	381810
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.818 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058074.D

Acq: 14 Sep 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 312786

Ion Ratio Lower Upper

156 100

77 220.2 113.7 341.1

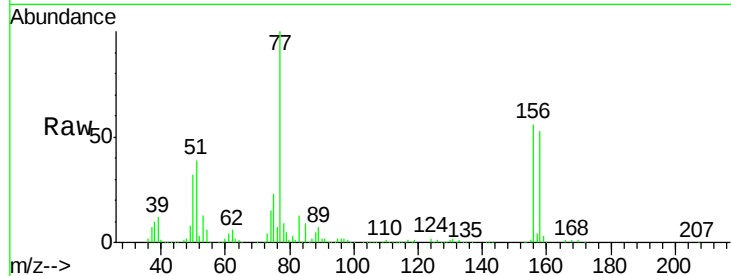
158 96.8 48.5 145.6

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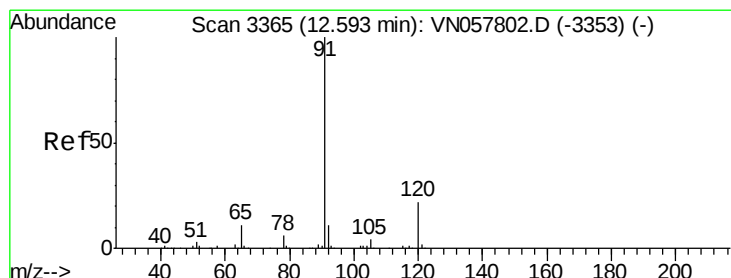
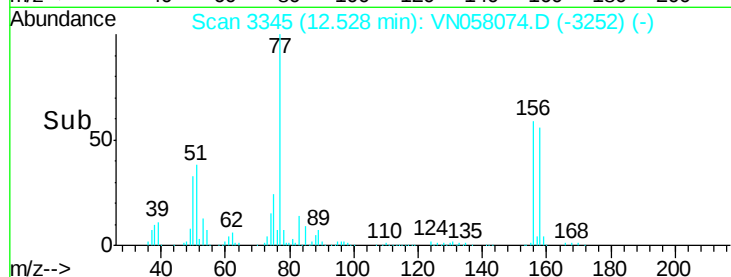
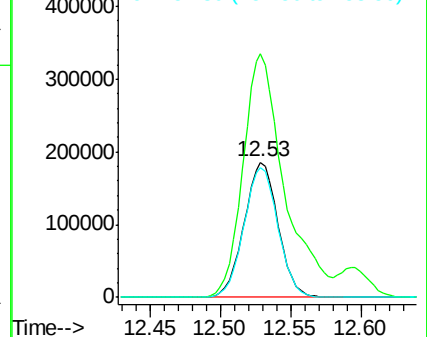
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.433 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058074.D

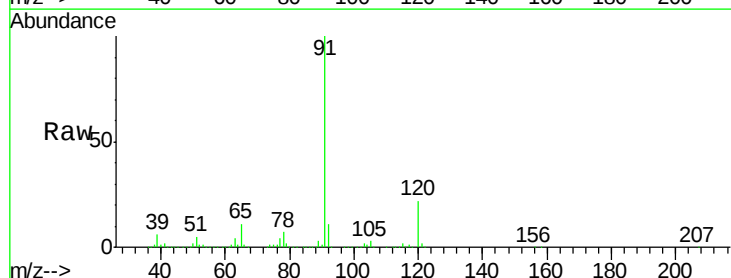
Acq: 14 Sep 2019 13:39

Tgt Ion: 91 Resp: 1545145

Ion Ratio Lower Upper

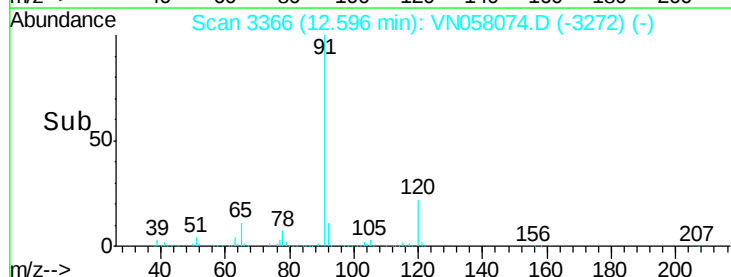
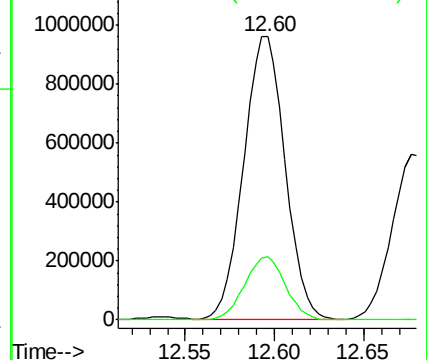
91 100

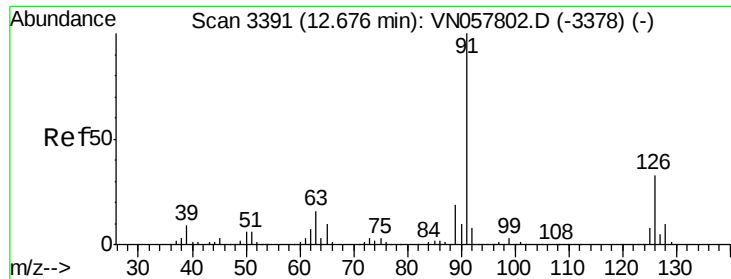
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





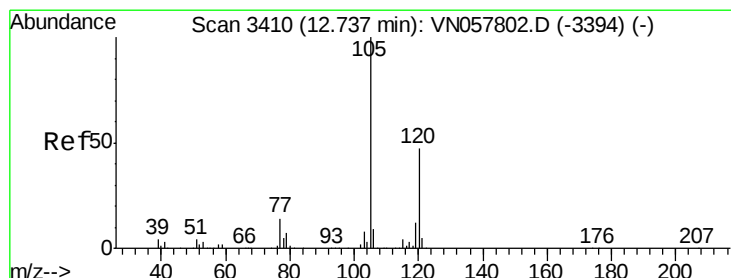
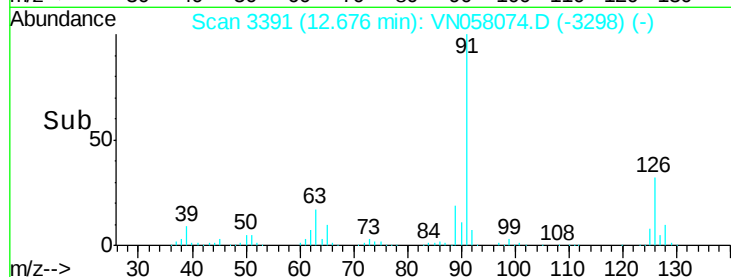
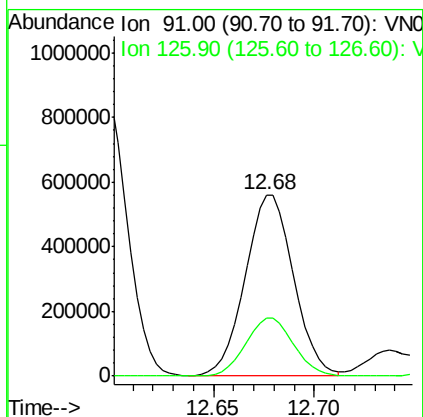
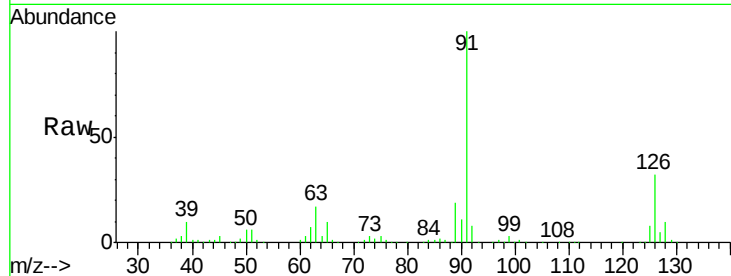
#79
 2-Chlorotoluene
 Concen: 51.132 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 91 Resp: 934540
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.4 49.2

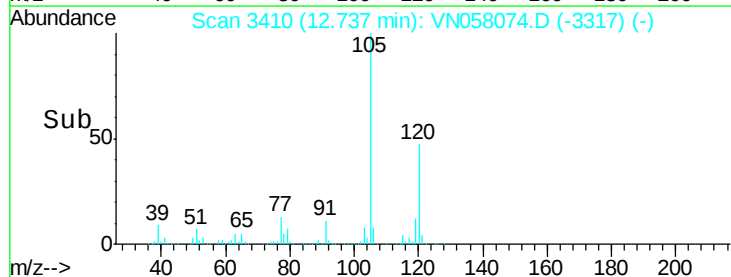
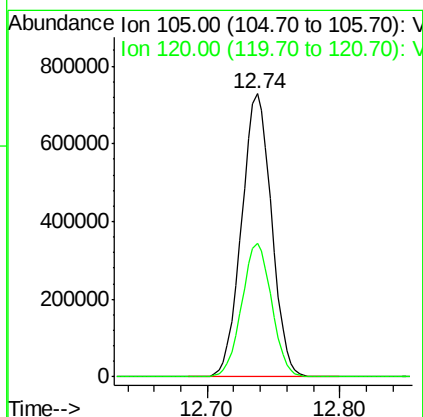
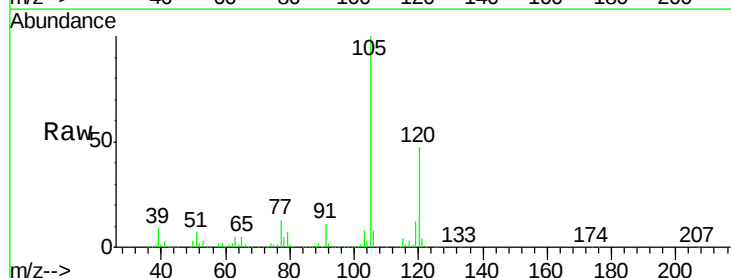
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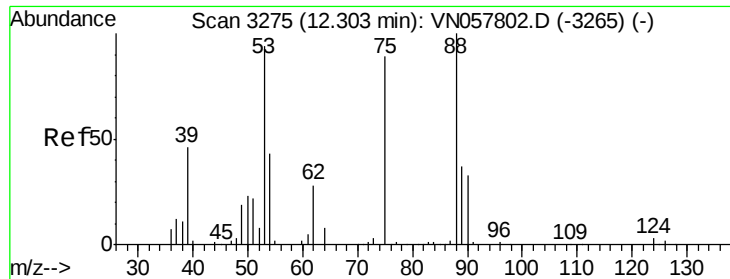
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.688 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion: 105 Resp: 1142379
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.7 71.1





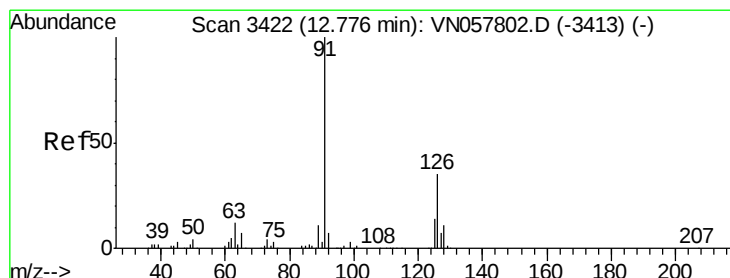
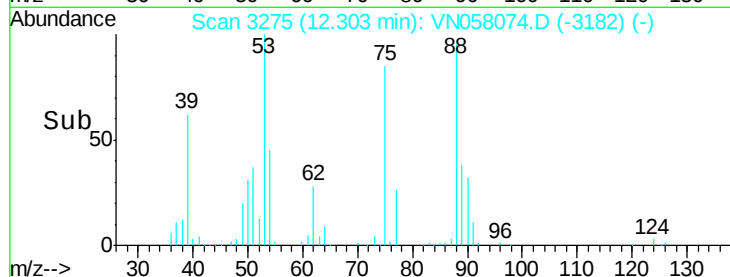
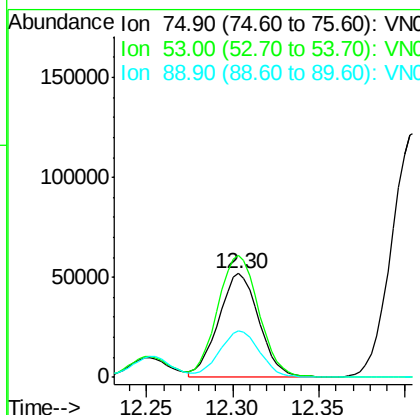
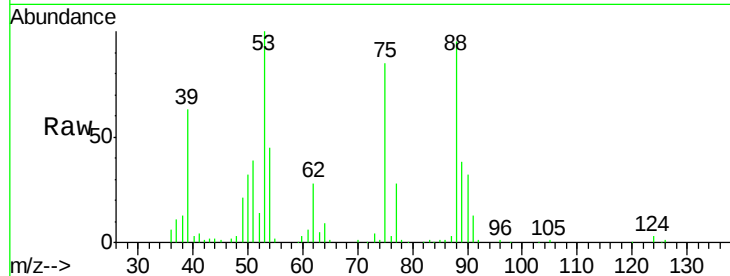
#81
trans-1,4-Dichloro-2-butene
Concen: 40.505 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.4	88.4	132.6
89	45.5	35.3	52.9

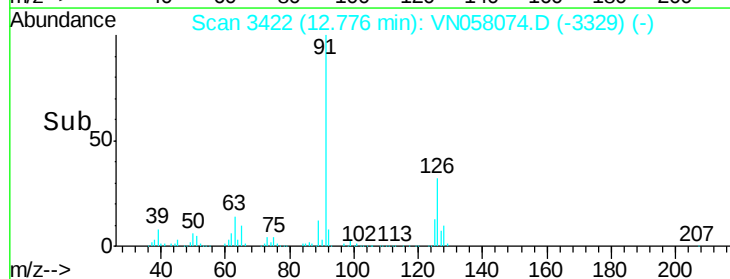
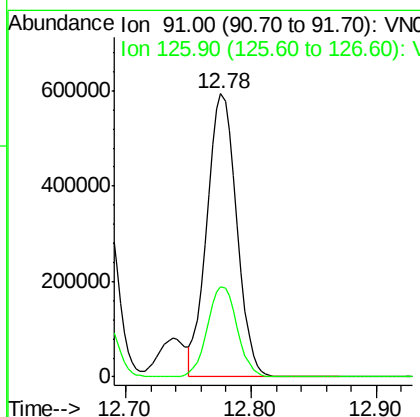
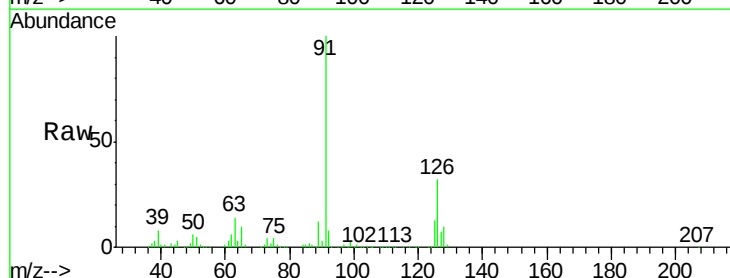
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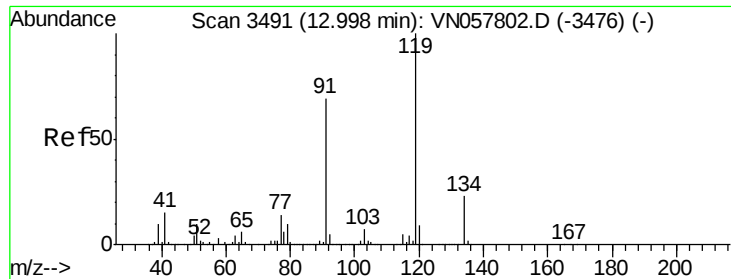
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#82
4-Chlorotoluene
Concen: 51.905 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	48.0





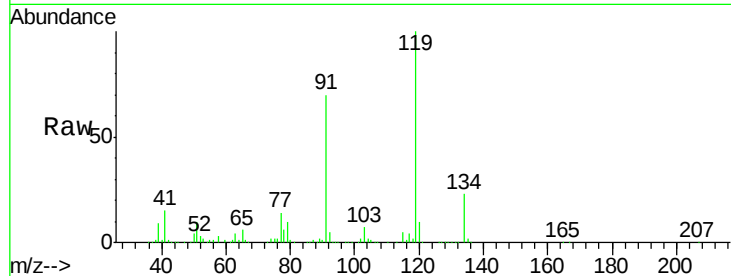
#83
tert-Butylbenzene
Concen: 52.226 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

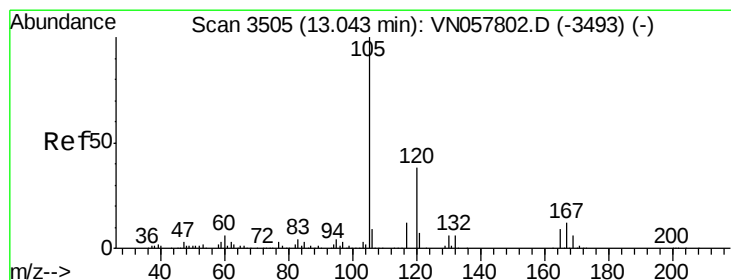
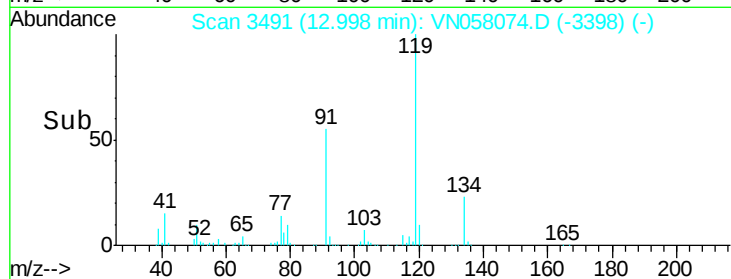
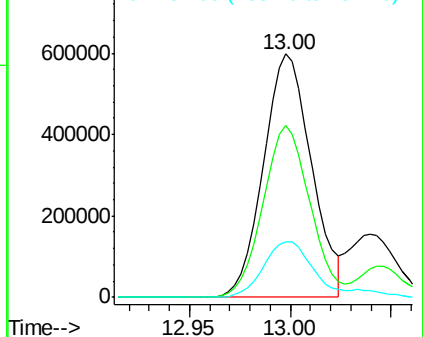
Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	33.6	100.8
134	23.3	11.7	35.0

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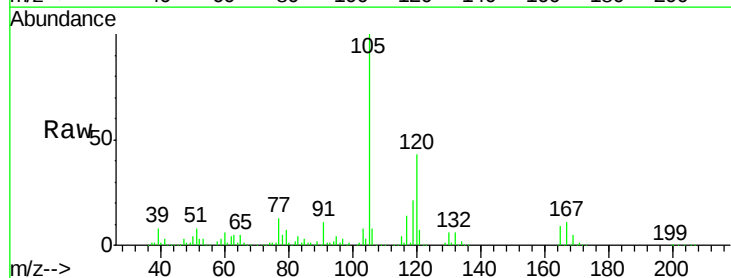


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

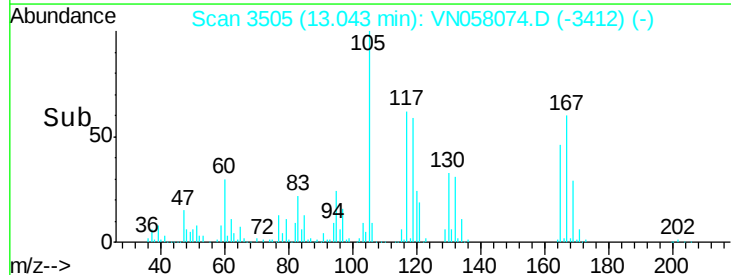
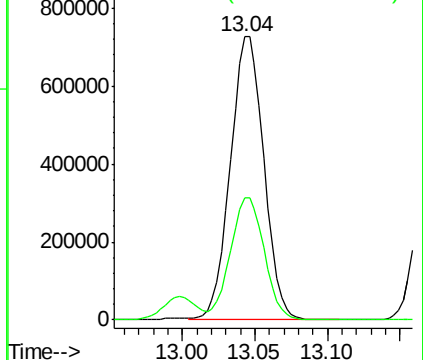


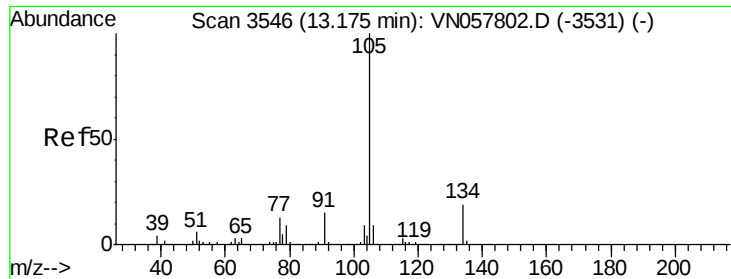
#84
1,2,4-Trimethylbenzene
Concen: 53.668 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.4	67.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





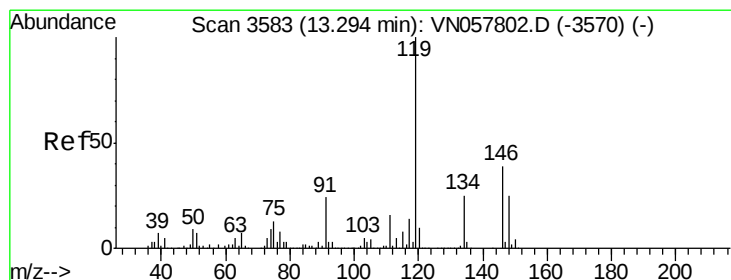
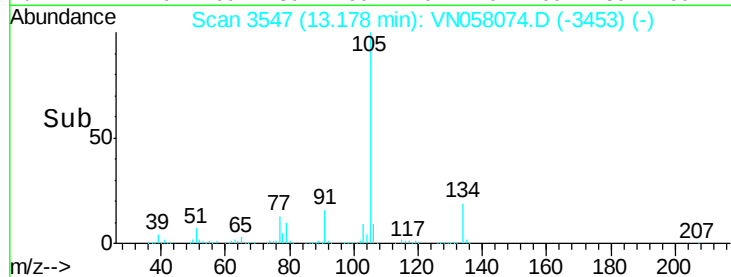
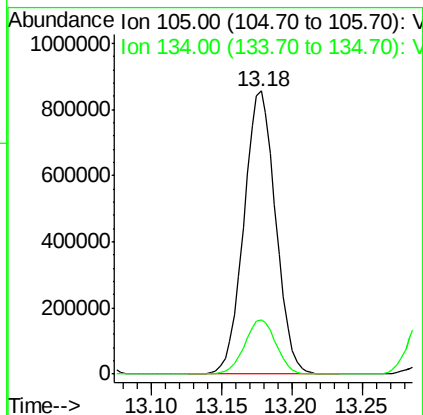
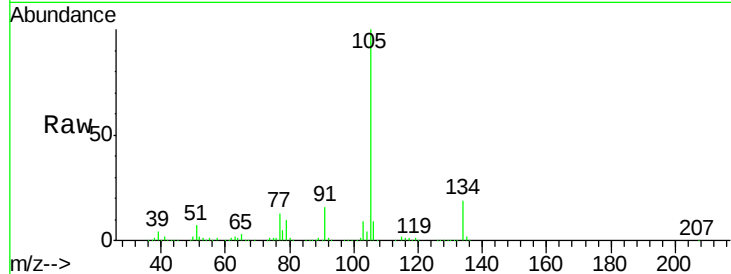
#85
 sec-Butylbenzene
 Concen: 53.723 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1346792
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.6

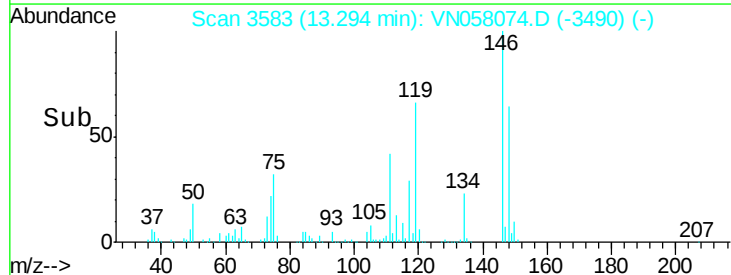
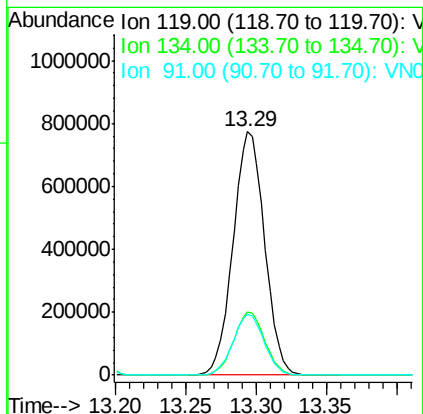
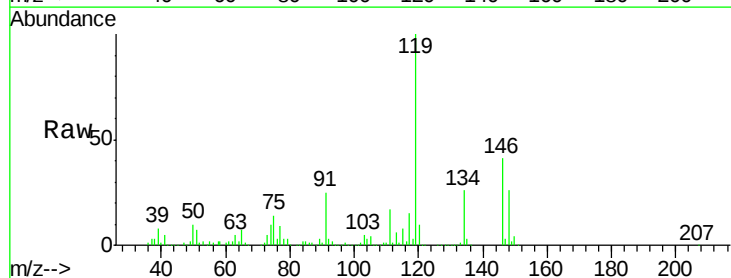
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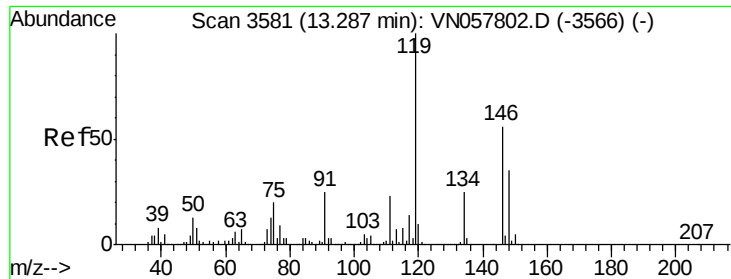
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#86
 p-Isopropyltoluene
 Concen: 54.537 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion:119 Resp: 1204642
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.5 37.5
 91 24.8 12.3 36.8





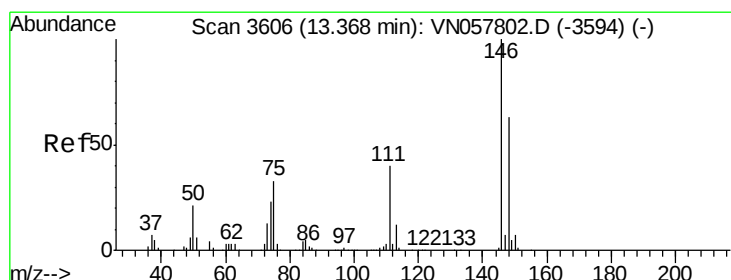
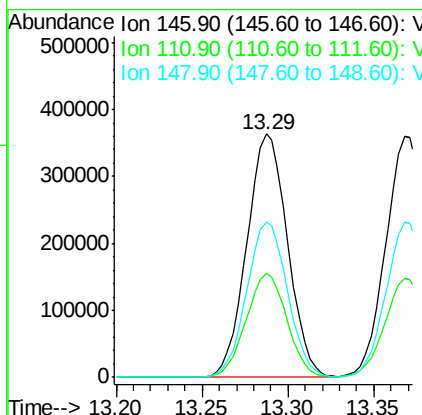
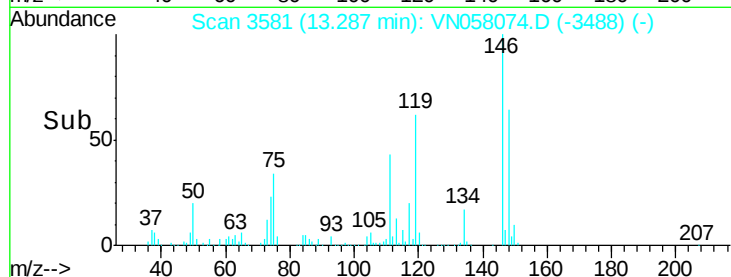
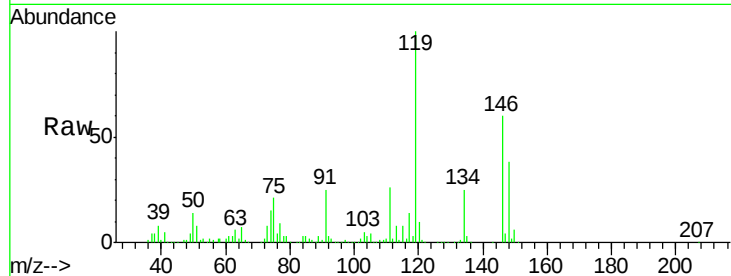
#87
 1,3-Dichlorobenzene
 Concen: 51.639 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	595115		
111	42.7	20.5	61.6	
148	64.2	31.5	94.5	

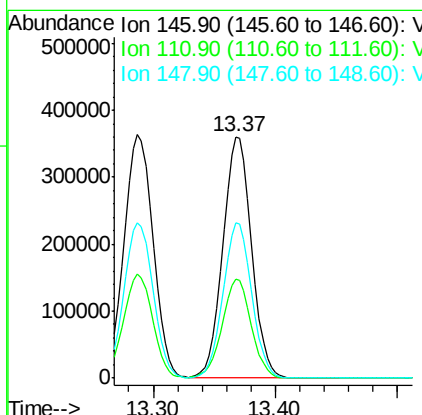
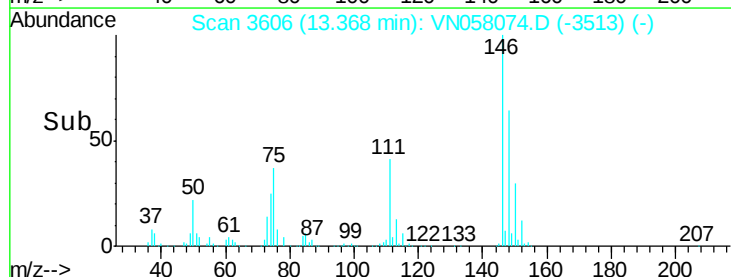
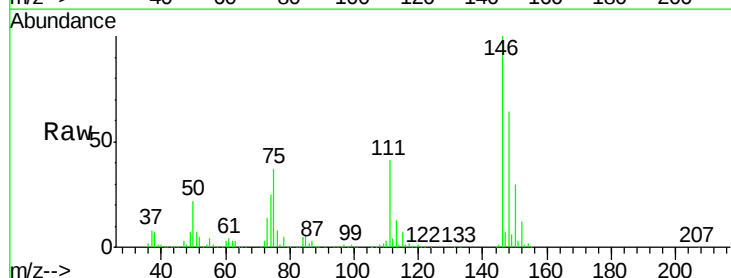
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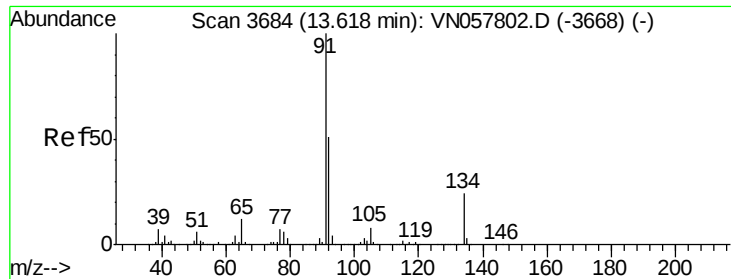
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#88
 1,4-Dichlorobenzene
 Concen: 50.776 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	593980		
111	41.3	20.4	61.2	
148	64.3	31.8	95.4	





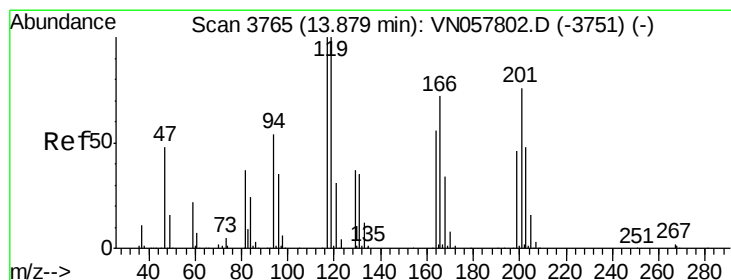
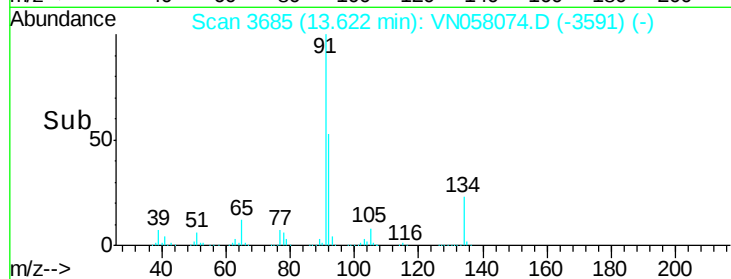
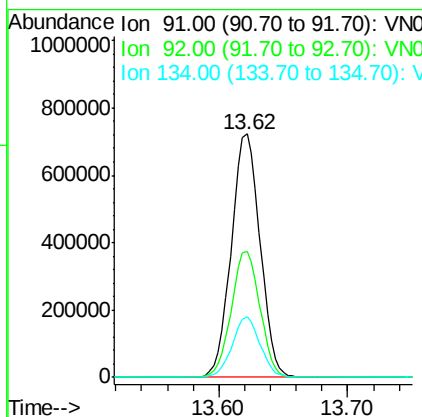
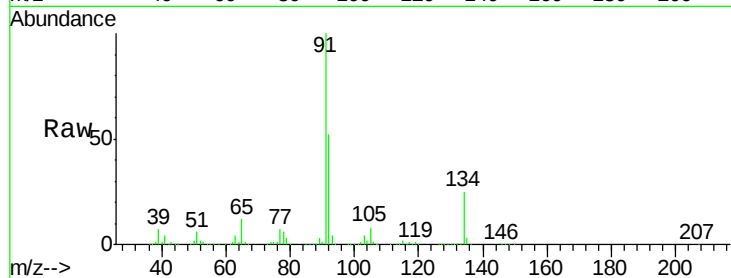
#89
n-Butylbenzene
Concen: 53.689 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1119925
Ion Ratio Lower Upper
91 100
92 51.6 25.7 77.0
134 24.1 11.9 35.7

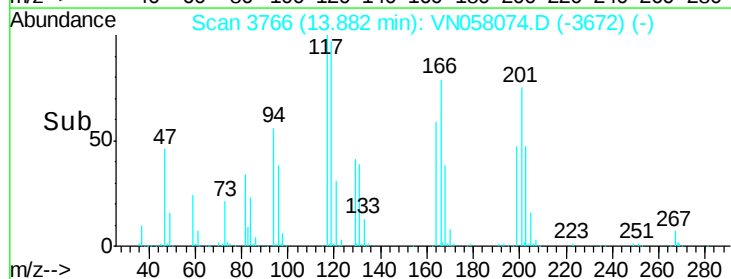
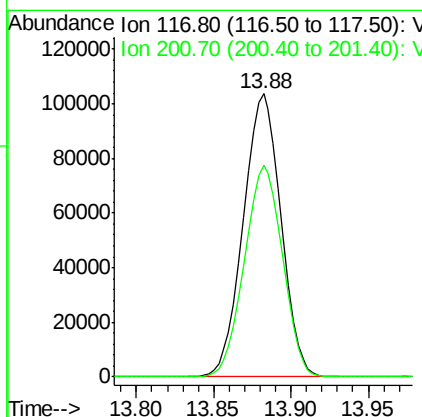
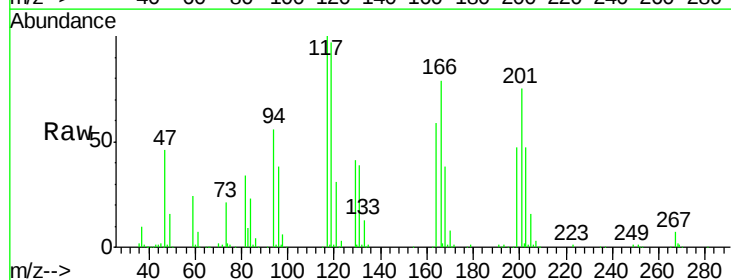
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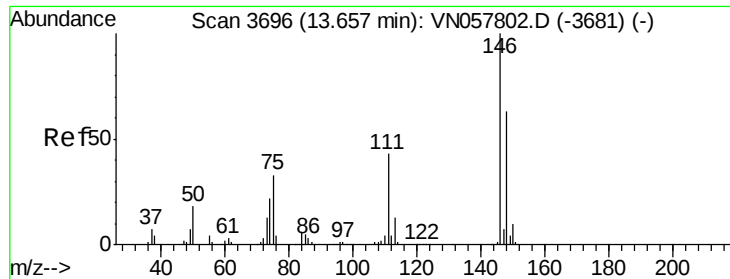
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#90
Hexachloroethane
Concen: 53.585 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion: 117 Resp: 176029
Ion Ratio Lower Upper
117 100
201 75.5 37.5 112.7





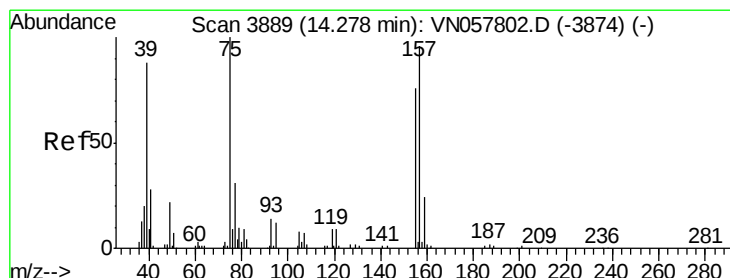
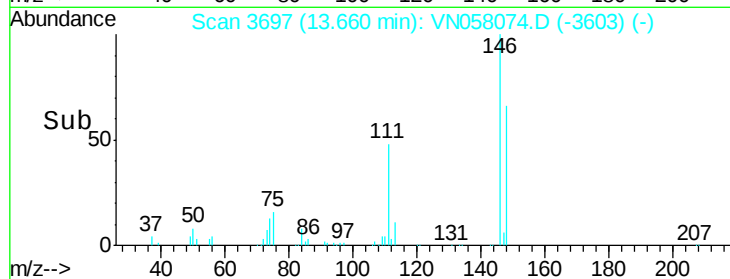
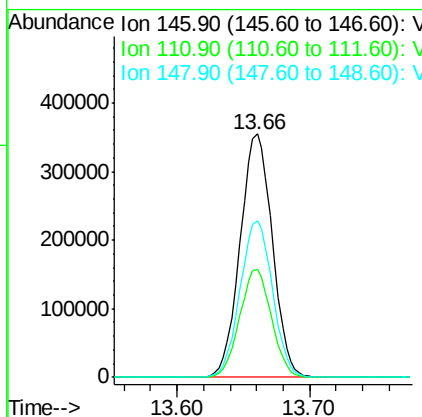
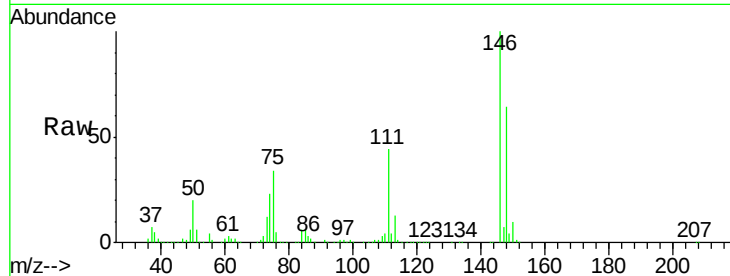
#91
 1,2-Dichlorobenzene
 Concen: 52.173 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	600688		
111	43.6	21.3	63.9	
148	64.7	31.4	94.3	

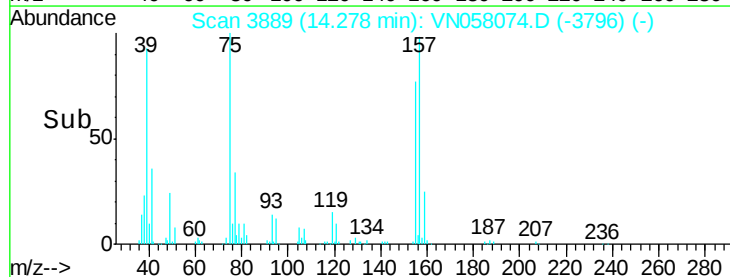
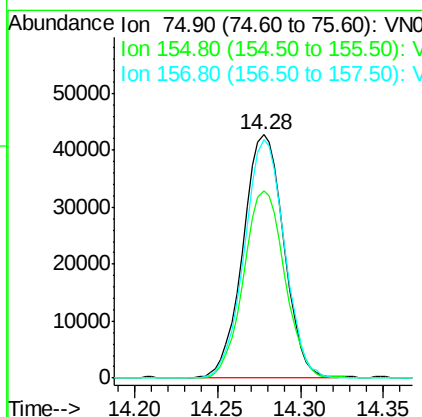
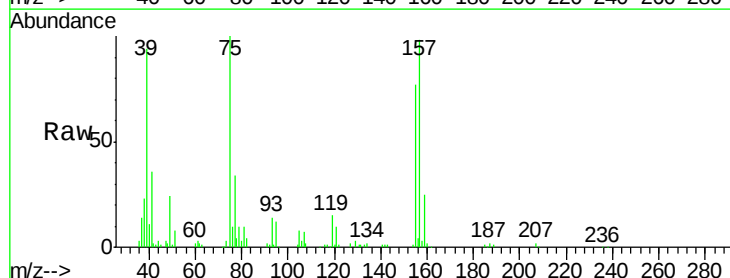
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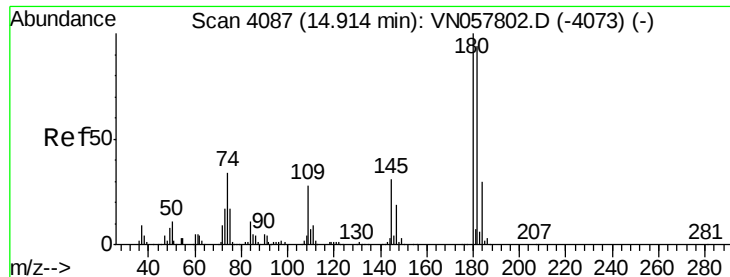
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.332 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73279		
155	77.4	37.3	111.8	
157	96.0	47.9	143.8	





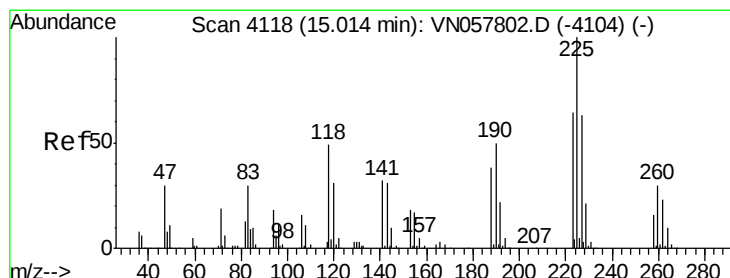
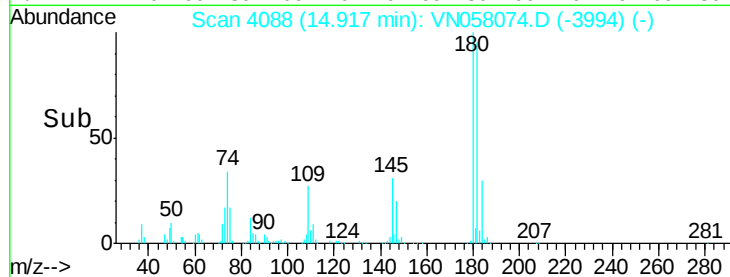
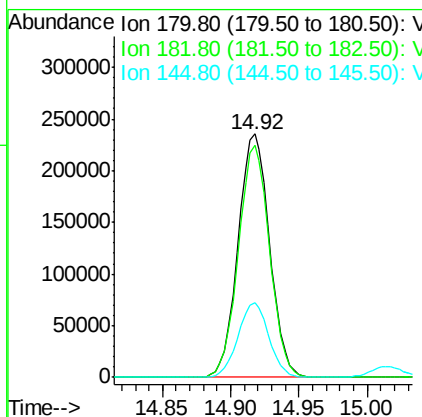
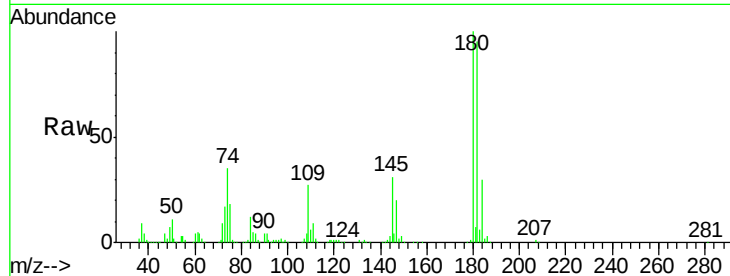
#93
 1,2,4-Trichlorobenzene
 Concen: 50.045 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	376610
Ion Ratio	Lower	Upper	
180	100		
182	94.5	46.9	140.8
145	30.2	14.9	44.7

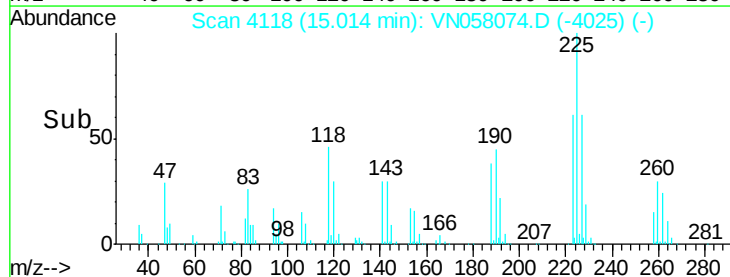
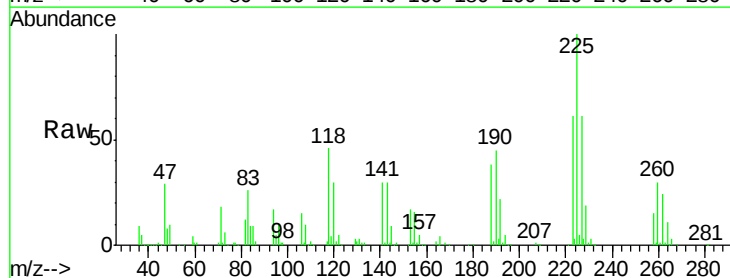
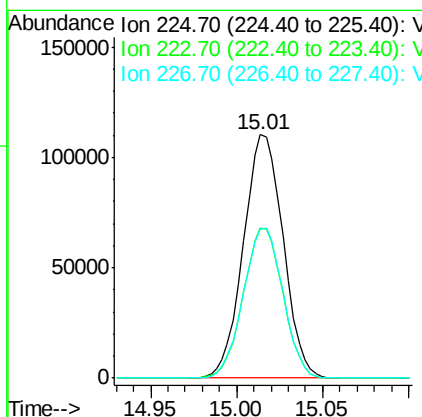
Manual Integrations
 APPROVED

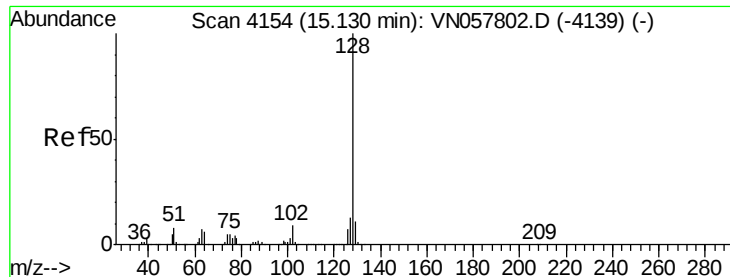
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 55.271 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058074.D
 Acq: 14 Sep 2019 13:39

Tgt Ion:	225	Resp:	176316
Ion Ratio	Lower	Upper	
225	100		
223	61.5	32.4	97.2
227	61.8	31.8	95.4





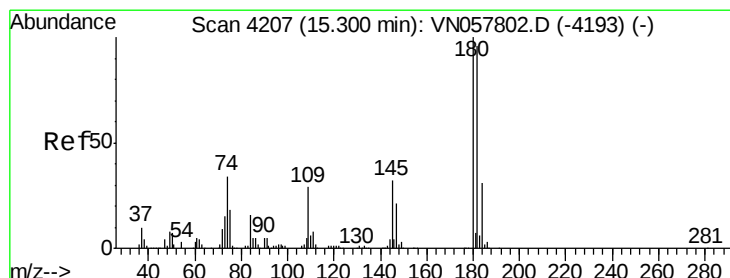
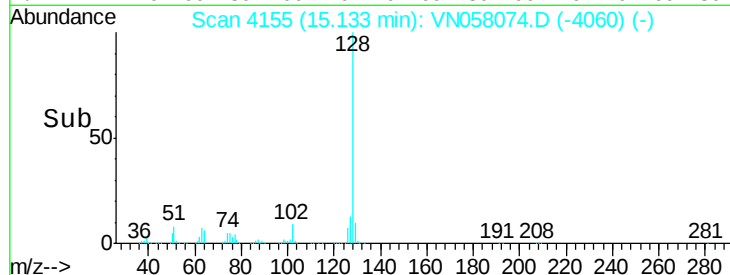
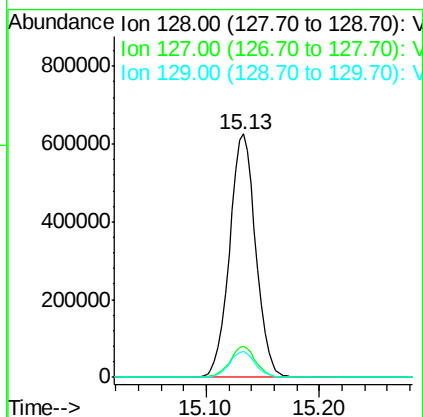
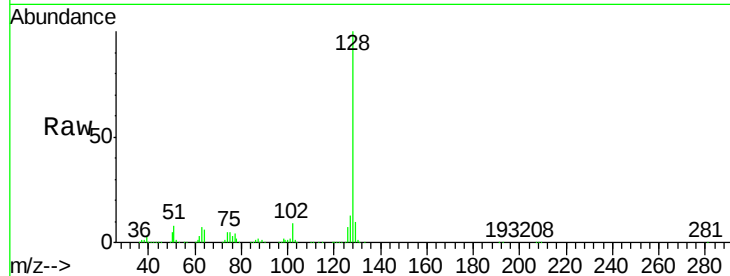
#95
Naphthalene
Concen: 53.049 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.5	8.6	12.8

Manual Integrations
APPROVED

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9/16/2019 2:11:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.222 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058074.D
Acq: 14 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.3	144.8
145	33.3	16.3	48.8

