

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082419\
 Data File : VN057475.D
 Acq On : 23 Aug 2019 16:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:13:02 PM

Quant Time: Aug 26 05:21:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	361092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	653979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	568586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	224459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	313110	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.57	113	213626	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.09	98	813791	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.40	95	293381	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	193235	45.349	ug/l	95
3) Chloromethane	2.05	50	270525	44.451	ug/l	98
4) Vinyl Chloride	2.17	62	340166	45.921	ug/l	98
5) Bromomethane	2.54	94	222181	48.670	ug/l	98
6) Chloroethane	2.68	64	222384	46.672	ug/l	95
7) Trichlorofluoromethane	3.00	101	532759	46.334	ug/l	96
8) Diethyl Ether	3.39	74	193183	49.952	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	294585	51.198	ug/l	98
10) Methyl Iodide	3.91	142	252995	53.885	ug/l	95
11) Tert butyl alcohol	4.79	59	176990	224.258	ug/l	97
12) 1,1-Dichloroethene	3.71	96	284659	46.314	ug/l	100
13) Acrolein	3.58	56	155008	223.361	ug/l	100
14) Allyl chloride	4.29	41	372828	45.800	ug/l	97
15) Acrylonitrile	4.96	53	506249	237.857	ug/l	98
16) Acetone	3.80	43	919735	315.289	ug/l	95
17) Carbon Disulfide	4.02	76	490995	41.878	ug/l	100
18) Methyl Acetate	4.30	43	297109	47.141	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	641447	43.234	ug/l	99
20) Methylene Chloride	4.52	84	203455	47.037	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	189995	43.806	ug/l	95
22) Diisopropyl ether	5.93	45	807801	46.323	ug/l	98
23) Vinyl Acetate	5.87	43	3162655	232.198	ug/l	99
24) 1,1-Dichloroethane	5.82	63	416924	45.113	ug/l	98
25) 2-Butanone	6.82	43	749188	236.515	ug/l	99
26) 2,2-Dichloropropane	6.80	77	359566	44.928	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	229594	44.657	ug/l	98
28) Bromochloromethane	7.18	49	253049	50.845	ug/l	98
29) Tetrahydrofuran	7.20	42	490981	235.065	ug/l	99
30) Chloroform	7.35	83	413099	48.182	ug/l	97
31) Cyclohexane	7.63	56	408778	45.812	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	353671	44.612	ug/l	99
36) 1,1-Dichloropropene	7.78	75	307355	45.995	ug/l	99
37) Ethyl Acetate	6.91	43	313852	47.531	ug/l	99
38) Carbon Tetrachloride	7.75	117	289170	43.559	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	379470	47.814	ug/l	99
40) Benzene	8.02	78	906378	45.191	ug/l	98
41) Methacrylonitrile	7.16	41	143808	45.673	ug/l	98
42) 1,2-Dichloroethane	8.11	62	350874	45.435	ug/l	99
43) Isopropyl Acetate	8.16	43	554788	45.822	ug/l	99
44) Trichloroethene	8.82	130	209083	46.700	ug/l	97
45) 1,2-Dichloropropane	9.11	63	257646	45.613	ug/l	100
46) Dibromomethane	9.20	93	159784	48.264	ug/l	99
47) Bromodichloromethane	9.40	83	333689	44.778	ug/l	98
48) Methyl methacrylate	9.19	41	273643	47.530	ug/l	98
49) 1,4-Dioxane	9.20	88	67820	910.934	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	1589274	235.528	ug/l	99
52) Toluene	10.15	92	539542	46.674	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	356133	45.625	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	385371	44.342	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	208690	44.642	ug/l	99
56) Ethyl methacrylate	10.43	69	346964	47.182	ug/l	96
57) 1,3-Dichloropropane	10.70	76	376526	46.279	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	715234	342.451	ug/l	99
59) 2-Hexanone	10.75	43	1124301	242.926	ug/l	100
60) Dibromochloromethane	10.90	129	218606	44.250	ug/l	99
61) 1,2-Dibromoethane	11.00	107	210730	45.960	ug/l	99
64) Tetrachloroethene	10.63	164	183913	46.234	ug/l	94
65) Chlorobenzene	11.43	112	538100	46.817	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	202238	45.880	ug/l	97
67) Ethyl Benzene	11.51	91	1103382	49.596	ug/l	99
68) m/p-Xylenes	11.62	106	782042	103.365	ug/l	99
69) o-Xylene	11.95	106	375650	50.121	ug/l	98
70) Styrene	11.96	104	630846	53.157	ug/l	99
71) Bromoform	12.13	173	136909	45.946	ug/l #	98
73) Isopropylbenzene	12.25	105	1037028	52.242	ug/l	99
74) N-amyl acetate	12.07	43	467838	49.879	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	291439	50.883	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	260937m	52.725	ug/l	
77) Bromobenzene	12.53	156	211134	51.350	ug/l	100
78) n-propylbenzene	12.59	91	1187876	52.129	ug/l	100
79) 2-Chlorotoluene	12.67	91	698722	52.323	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	857562	52.573	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	95056	46.777	ug/l	95
82) 4-Chlorotoluene	12.77	91	692646	51.876	ug/l	100
83) tert-Butylbenzene	12.99	119	705407	51.698	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	835898	47.902	ug/l	99
85) sec-Butylbenzene	13.17	105	964169	52.094	ug/l	100
86) p-Isopropyltoluene	13.29	119	821807	46.840	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	345479	47.651	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	340260	47.922	ug/l	99
89) n-Butylbenzene	13.62	91	741096	49.915	ug/l	99
90) Hexachloroethane	13.88	117	165888	50.583	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	335107	48.418	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49066	45.694	ug/l	96

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VSTDCCC050

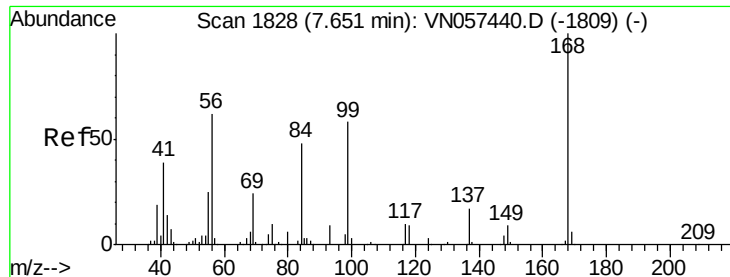
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	114746	41.945	ug/l	97
94) Hexachlorobutadiene	15.01	225	95063	54.188	ug/l	96
95) Naphthalene	15.13	128	369342	42.112	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	120318	43.716	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 361092

Ion Ratio Lower Upper

168 100

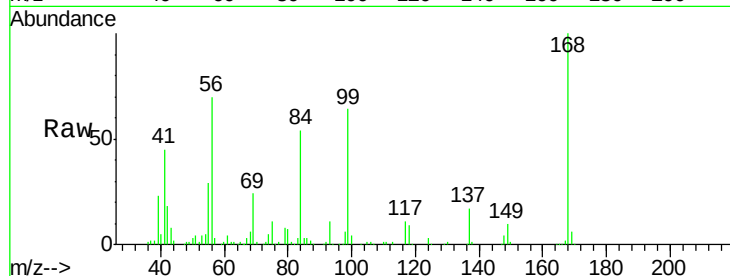
99 64.2 50.6 76.0

Manual Integrations

APPROVED

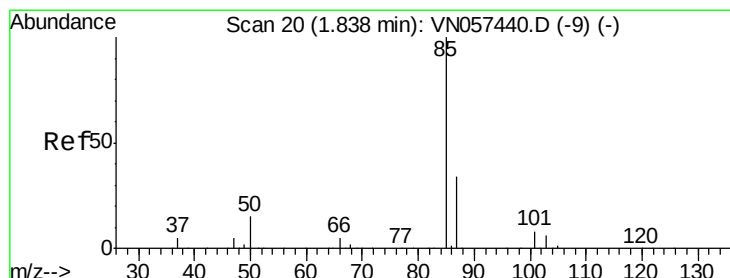
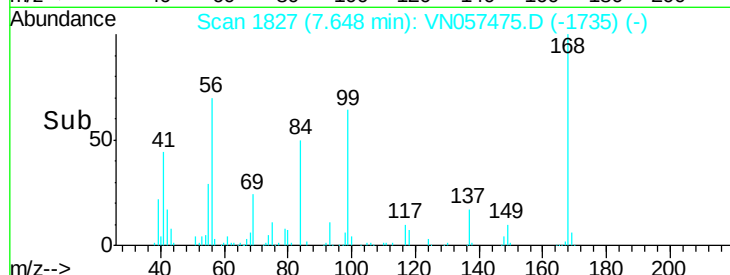
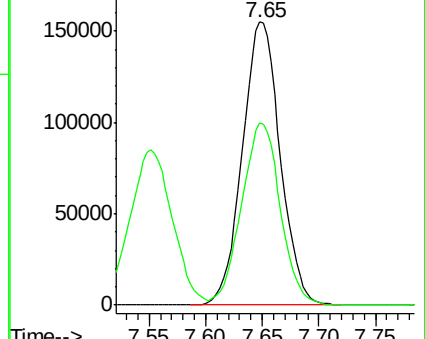
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8/26/2019 1:13:02 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.349 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057475.D

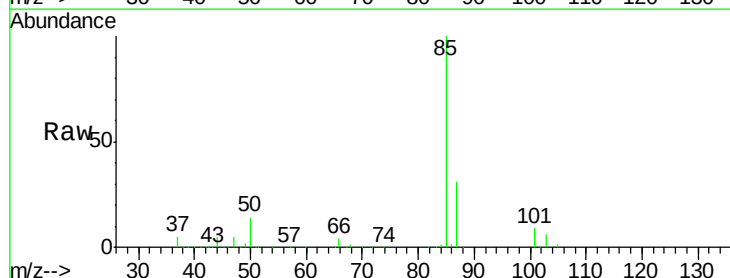
Acq: 23 Aug 2019 16:13

Tgt Ion: 85 Resp: 193235

Ion Ratio Lower Upper

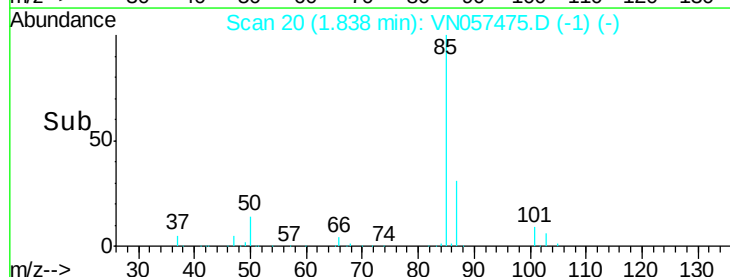
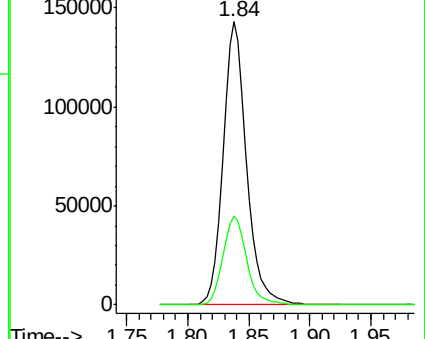
85 100

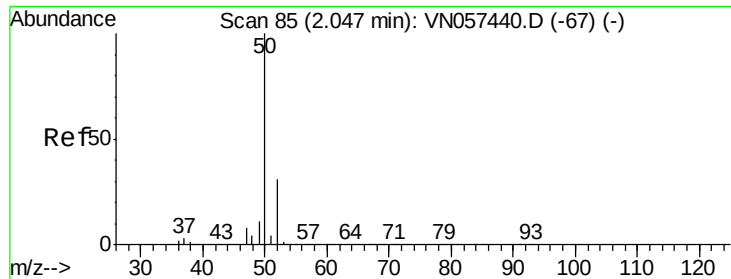
87 31.2 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.451 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 270525

Ion Ratio Lower Upper

50 100

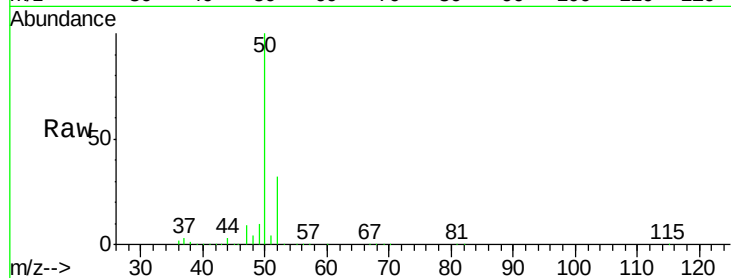
52 32.5 25.1 37.7

Manual Integrations

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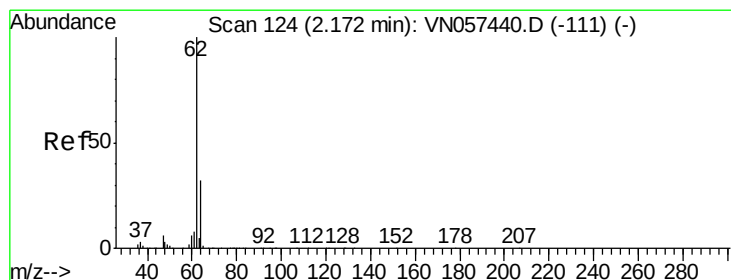
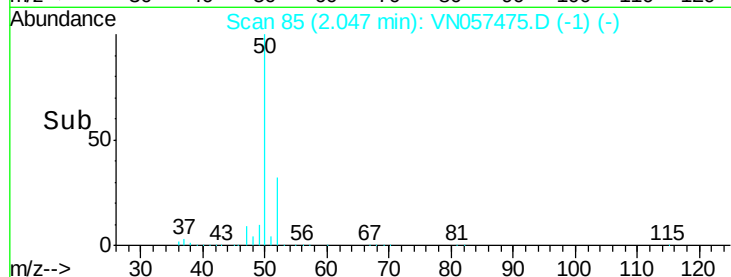
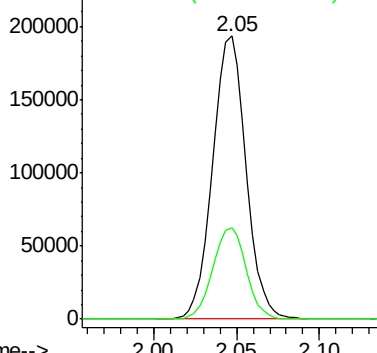
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.921 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057475.D

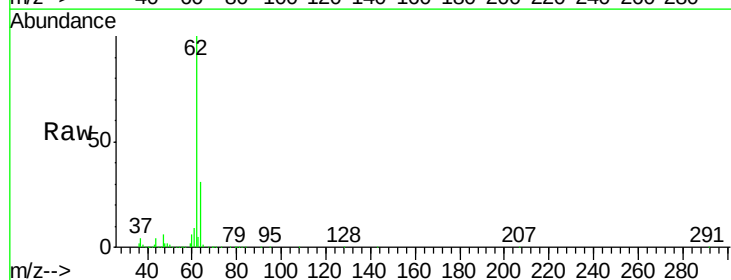
Acq: 23 Aug 2019 16:13

Tgt Ion: 62 Resp: 340166

Ion Ratio Lower Upper

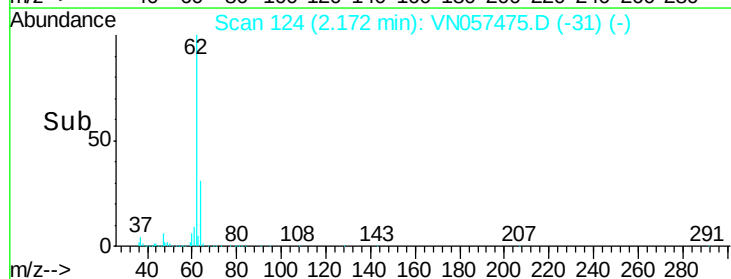
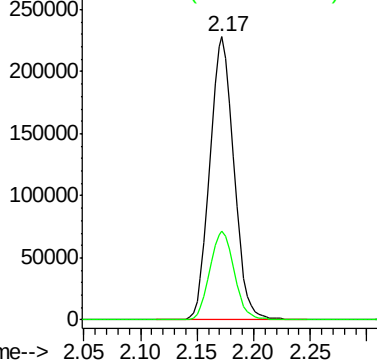
62 100

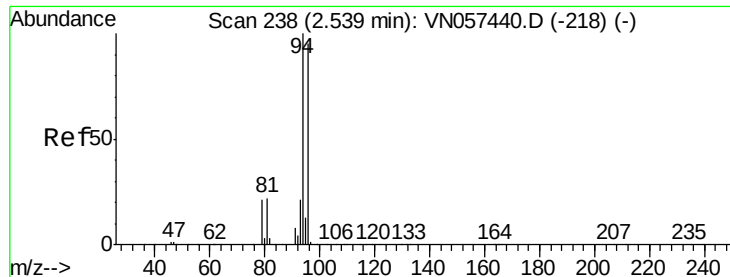
64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 48.670 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 222181

Ion Ratio Lower Upper

94 100

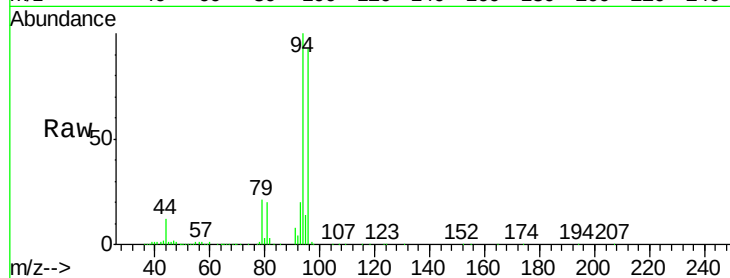
96 93.2 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

120000

100000

80000

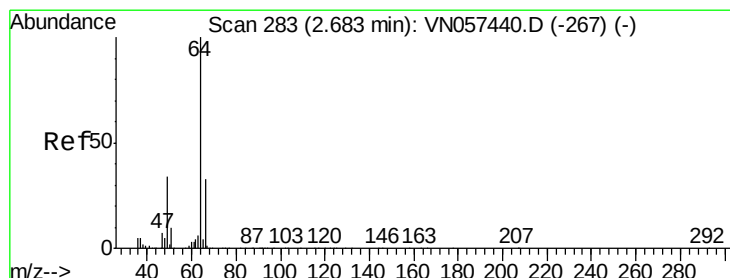
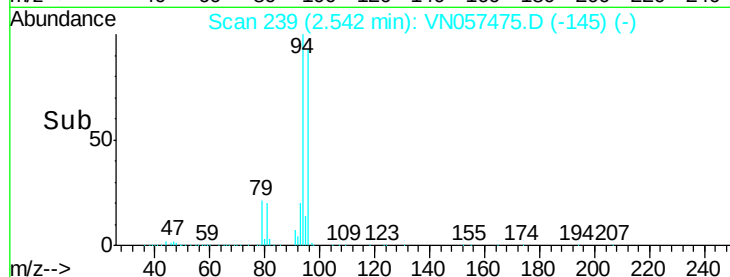
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.672 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN057475.D

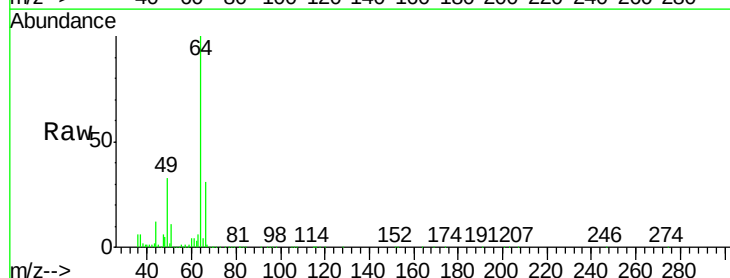
Acq: 23 Aug 2019 16:13

Tgt Ion: 64 Resp: 222384

Ion Ratio Lower Upper

64 100

66 30.8 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

120000

100000

80000

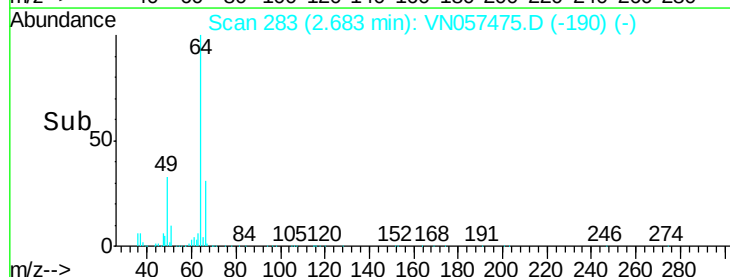
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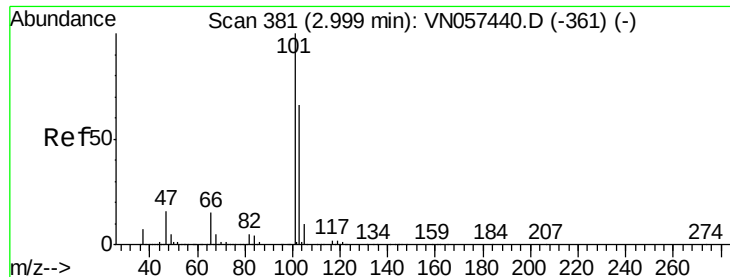
40000

20000

0

Time-->





#7

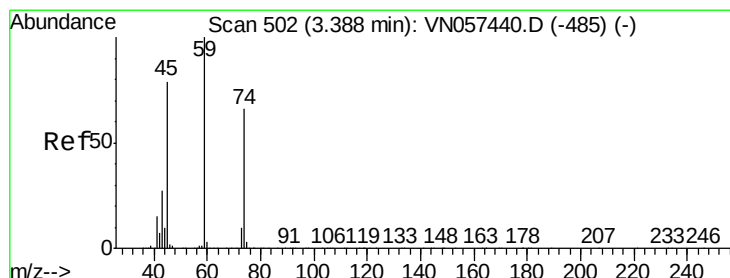
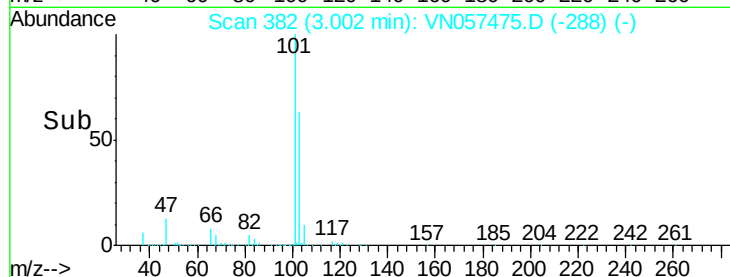
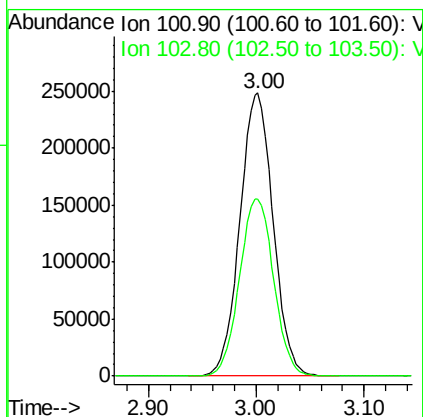
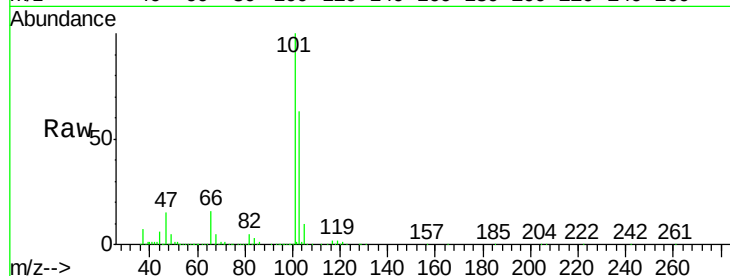
Trichlorofluoromethane
Concen: 46.334 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

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MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.6	78.8

Manual Integrations
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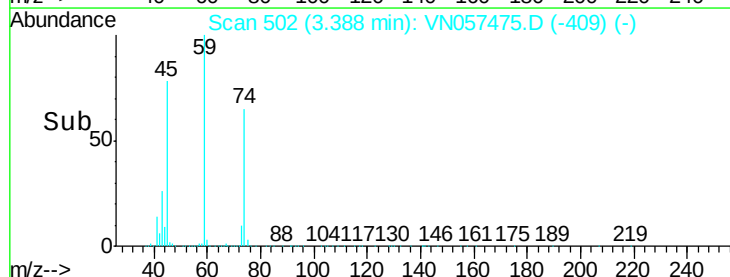
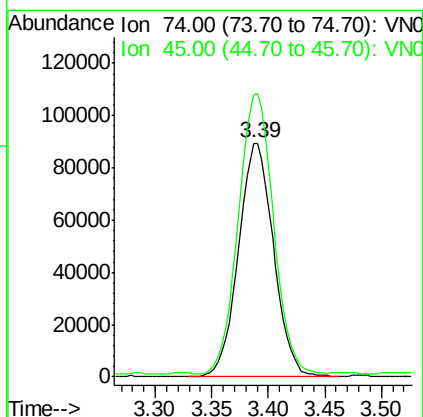
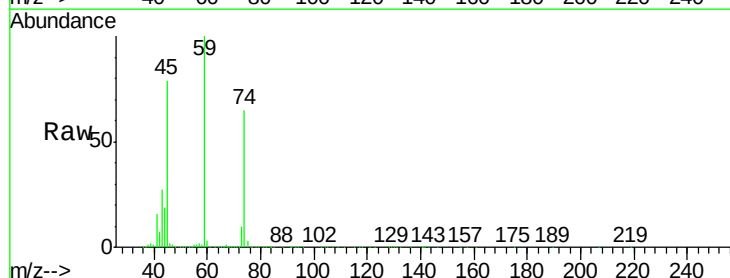
MMDadoda
8/26/2019 1:13:02 PM

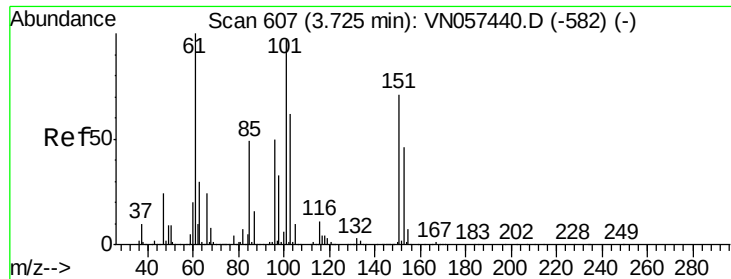


#8

Diethyl Ether
Concen: 49.952 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.6	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.198 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

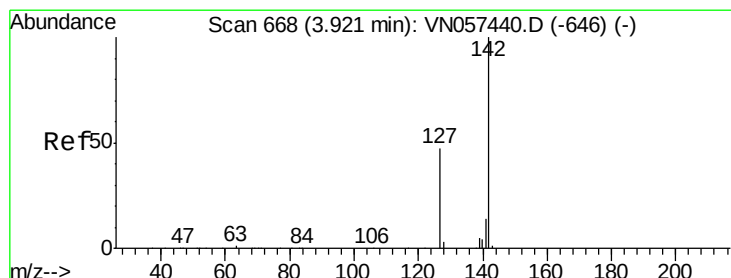
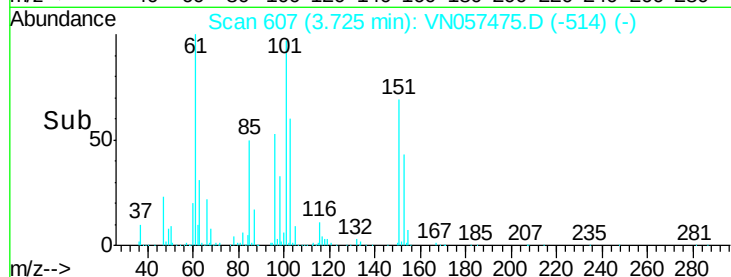
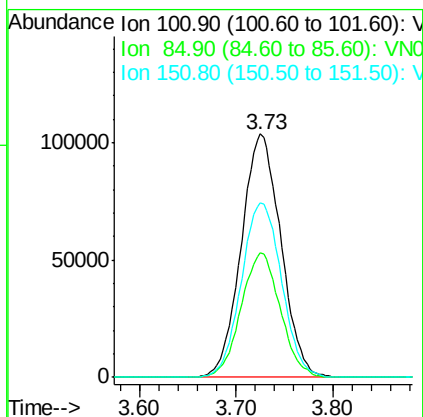
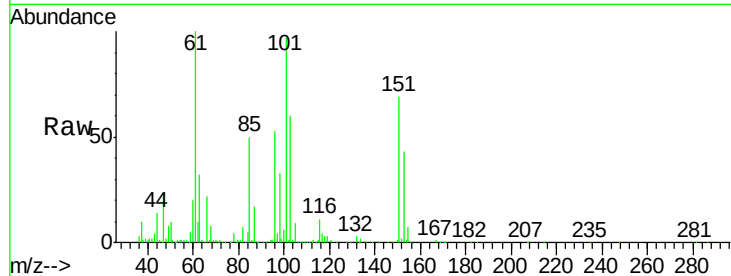
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	294585
Ion Ratio	Lower	Upper	
101	100		
85	50.9	40.0	60.0
151	72.9	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 53.885 ug/l

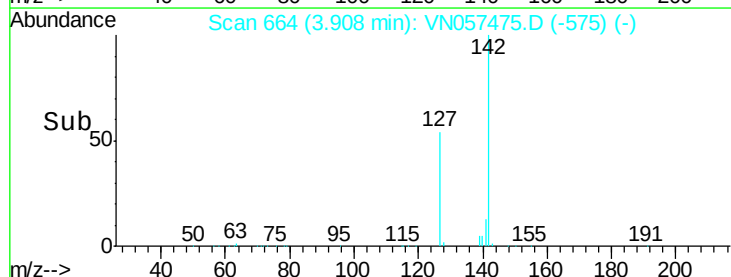
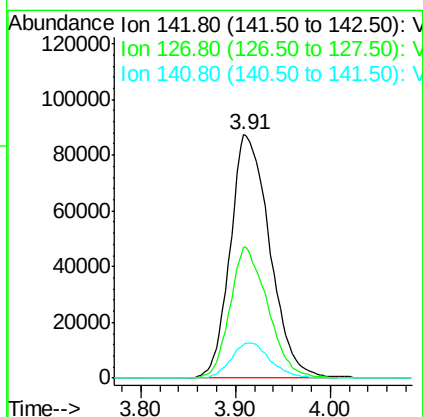
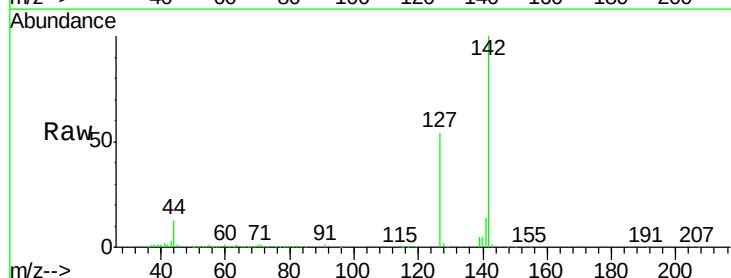
RT: 3.91 min Scan# 664

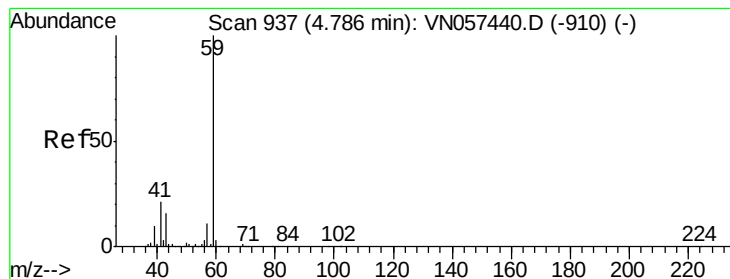
Delta R.T. -0.01 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion:	142	Resp:	252995
Ion Ratio	Lower	Upper	
142	100		
127	51.5	37.8	56.8
141	14.5	11.9	17.9





#11

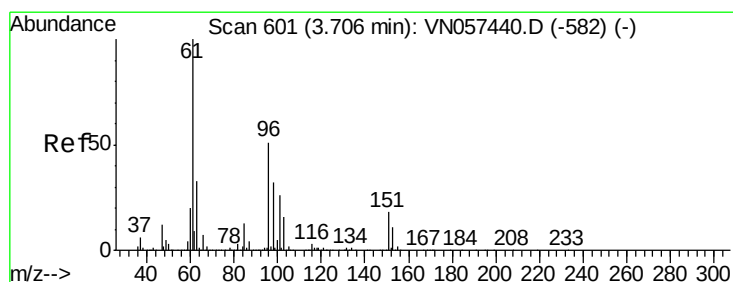
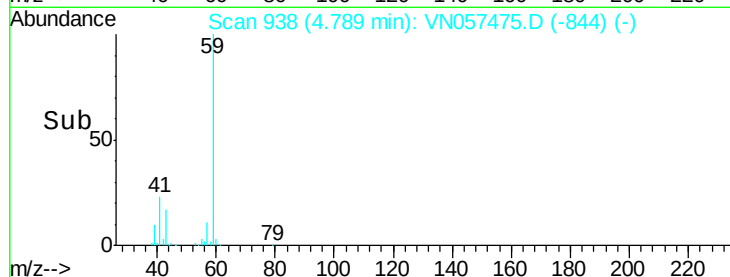
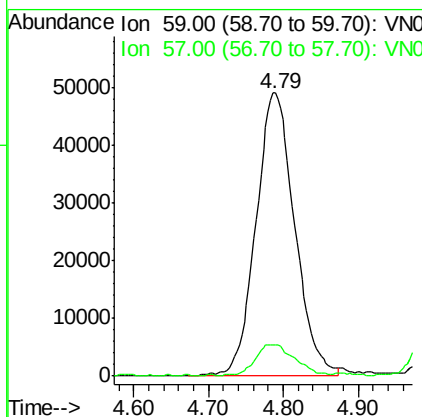
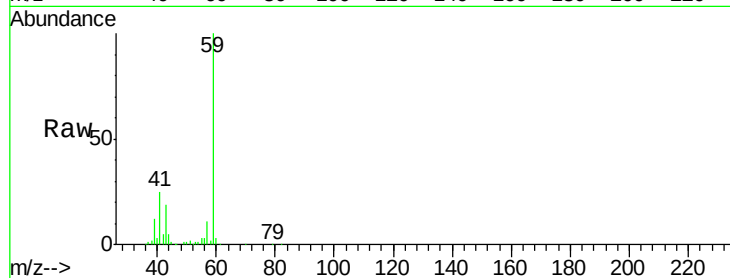
Tert butyl alcohol
 Concen: 224.258 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	9.1	13.7

Manual Integrations
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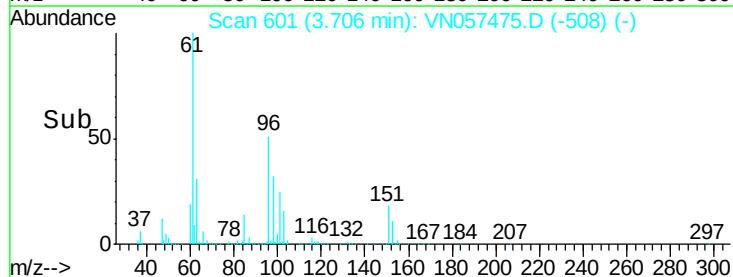
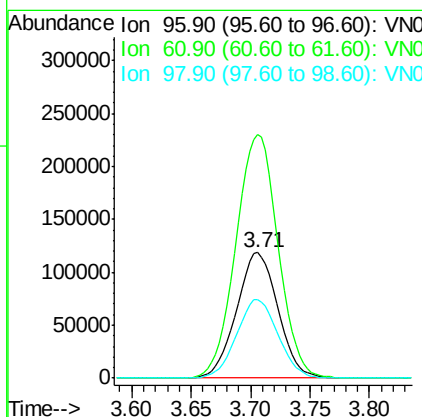
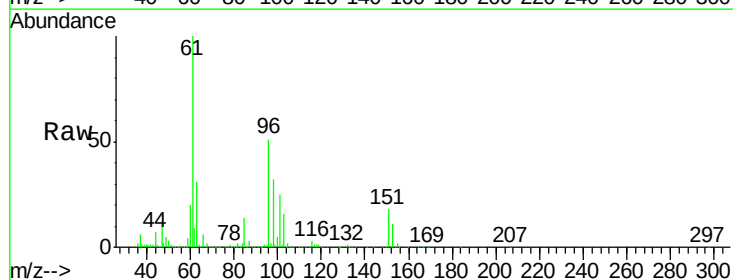
MMDadoda
 8/26/2019 1:13:02 PM

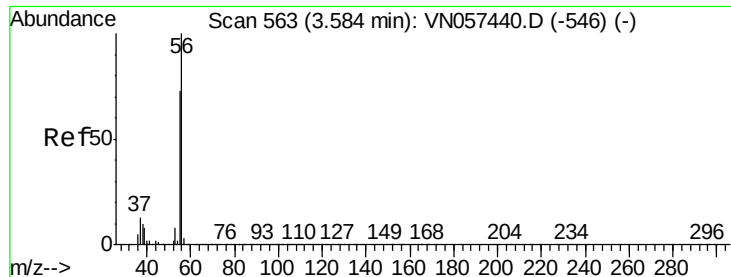


#12

1,1-Dichloroethene
 Concen: 46.314 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.1	155.3	232.9
98	62.6	50.2	75.2





#13

Acrolein

Concen: 223.361 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 155008

Ion Ratio Lower Upper

56 100

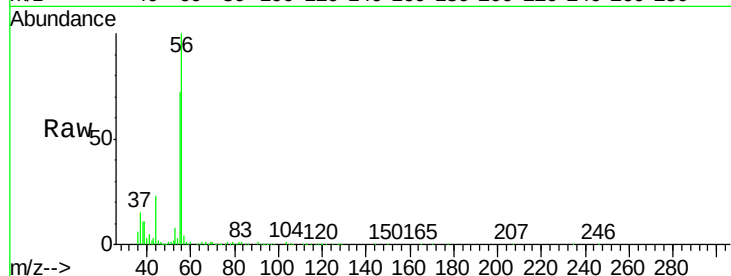
55 73.4 59.0 88.4

Manual Integrations

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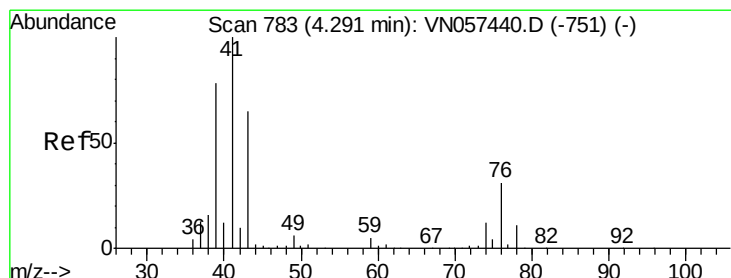
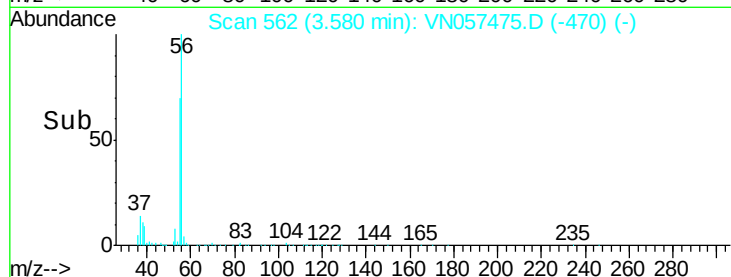
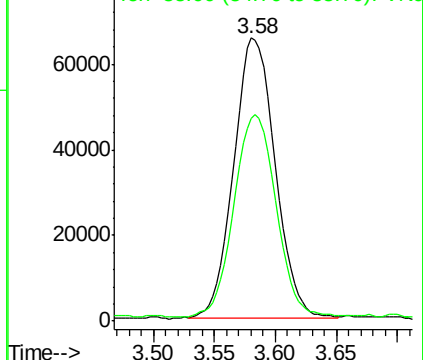
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.800 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

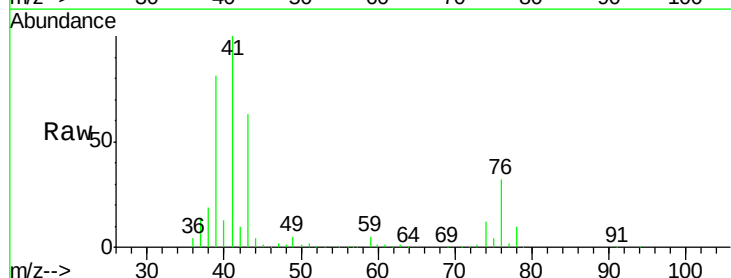
Tgt Ion: 41 Resp: 372828

Ion Ratio Lower Upper

41 100

39 75.2 57.4 86.2

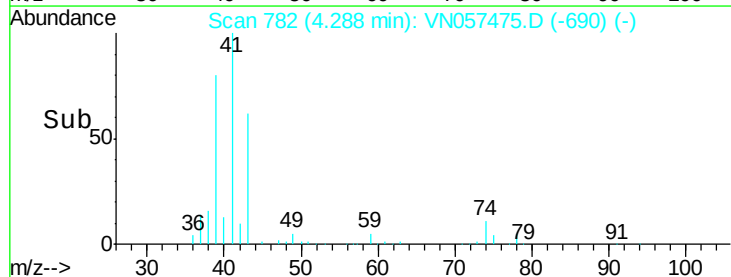
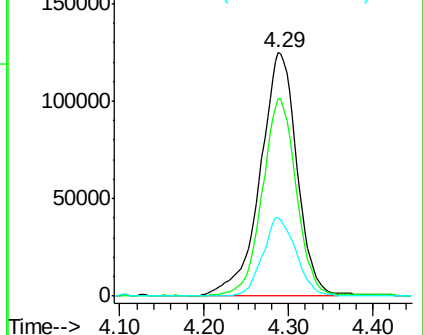
76 29.7 22.9 34.3

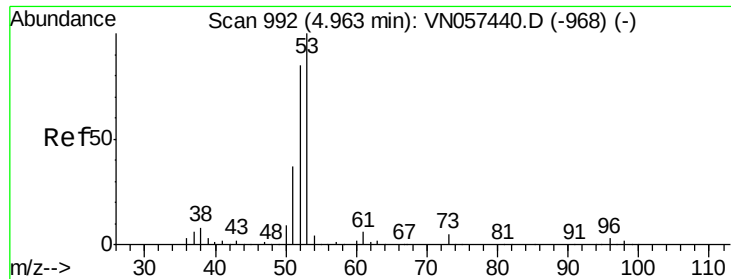


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 237.857 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

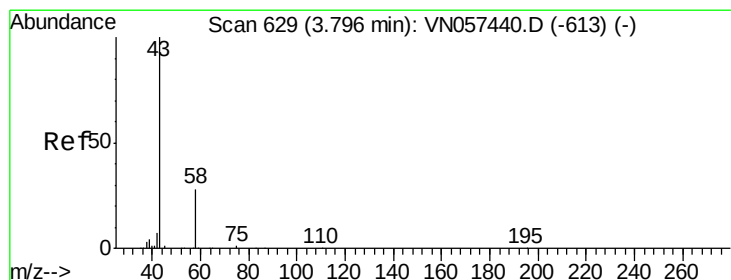
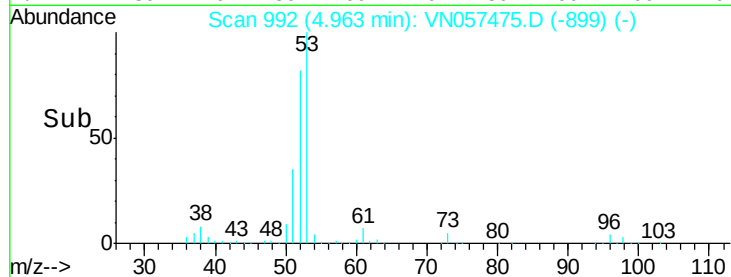
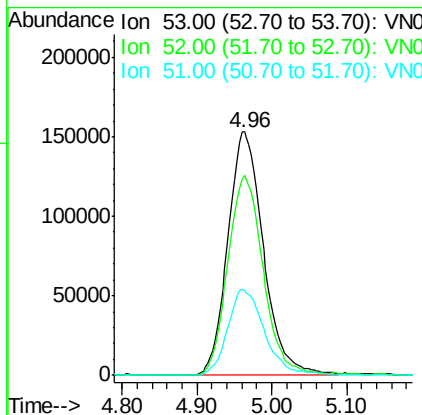
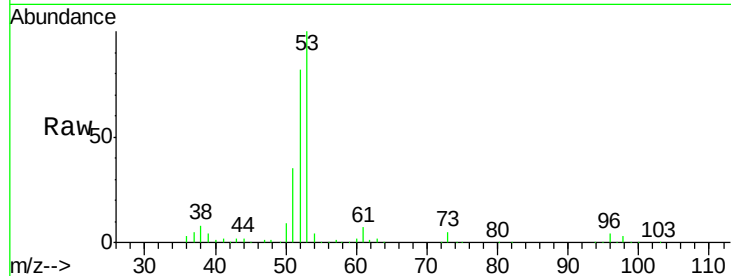
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	506249
Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.0	100.6
51	36.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 315.289 ug/l

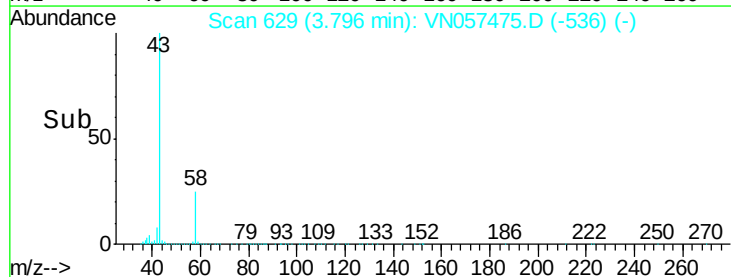
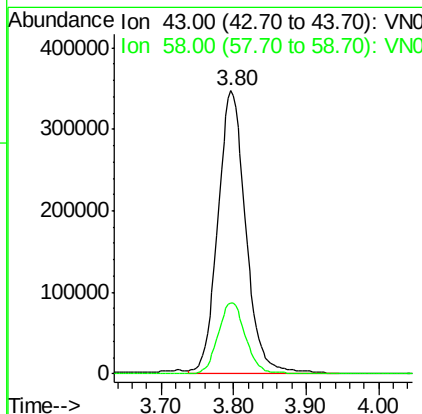
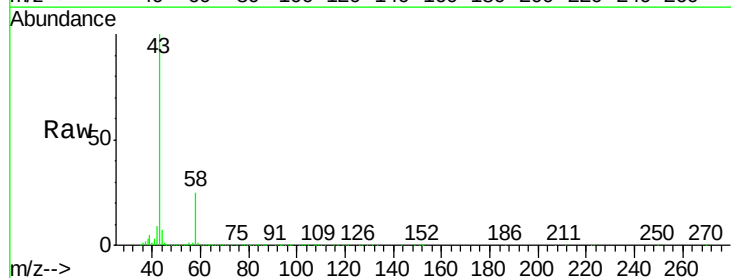
RT: 3.80 min Scan# 629

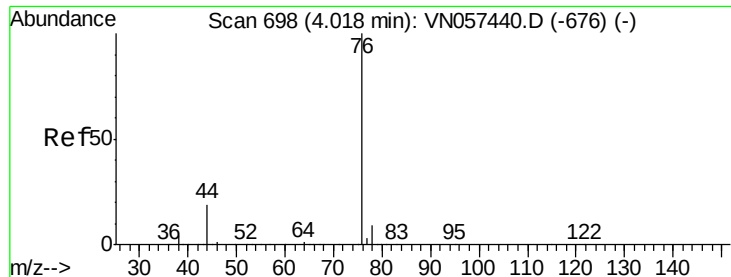
Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion:	43	Resp:	919735
Ion	Ratio	Lower	Upper
43	100		
58	25.1	22.1	33.1





#17

Carbon Disulfide

Concen: 41.878 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 490995

Ion Ratio Lower Upper

76 100

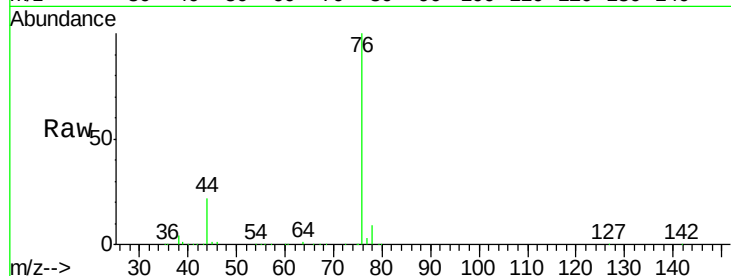
78 8.8 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

200000

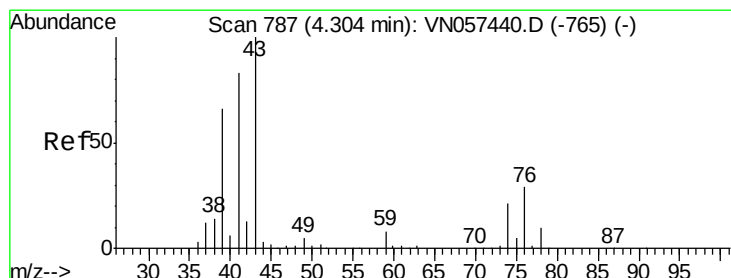
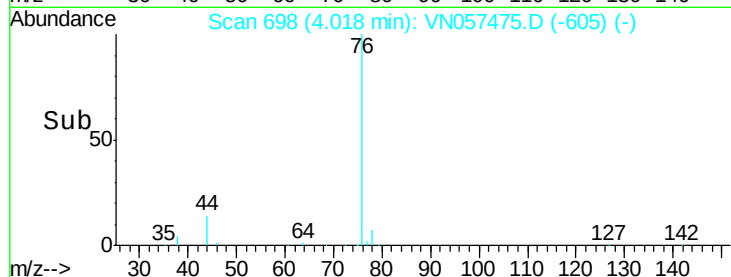
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.141 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057475.D

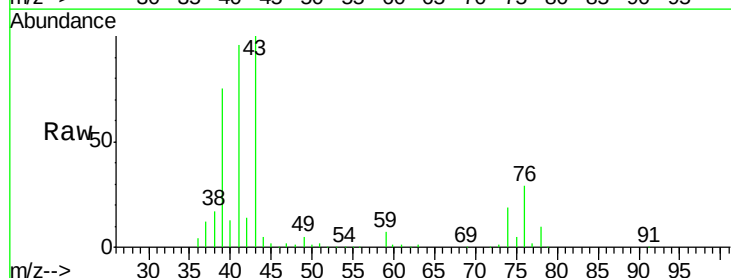
Acq: 23 Aug 2019 16:13

Tgt Ion: 43 Resp: 297109

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

120000

100000

80000

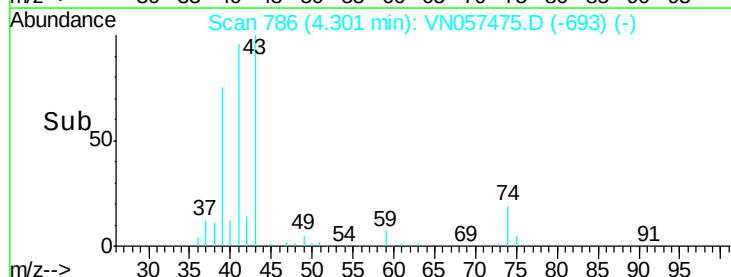
60000

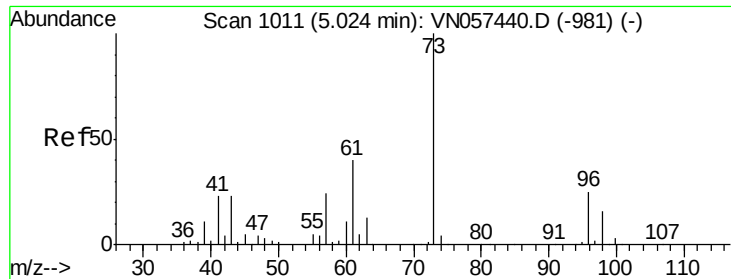
40000

20000

0

Time-->





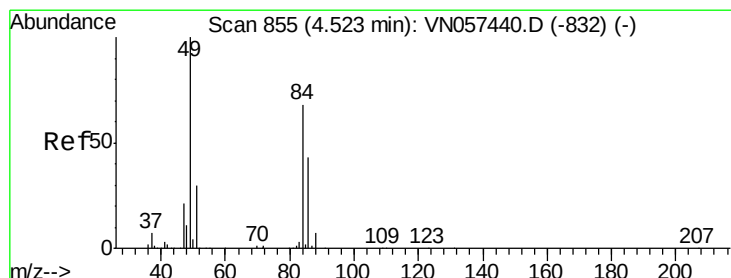
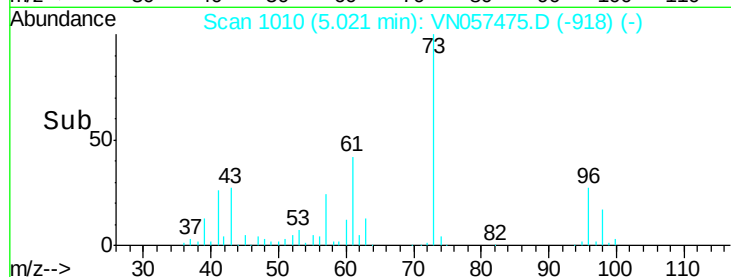
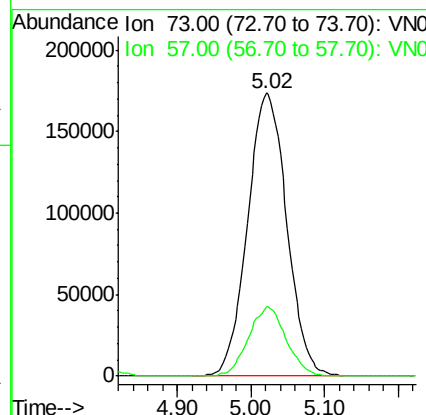
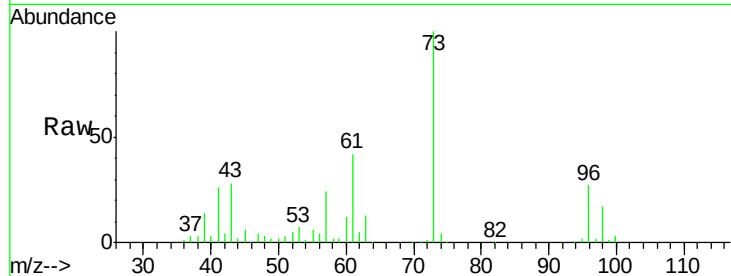
#19
Methyl tert-butyl Ether
Concen: 43.234 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 641447
Ion Ratio Lower Upper
73 100
57 24.3 19.1 28.7

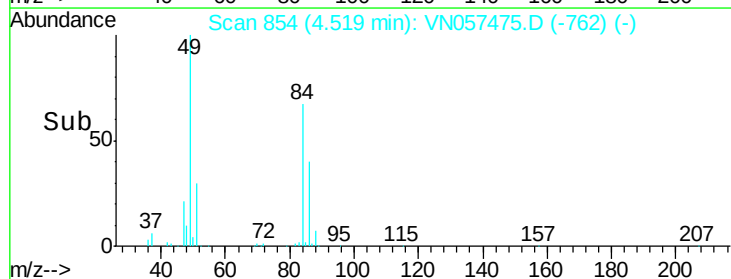
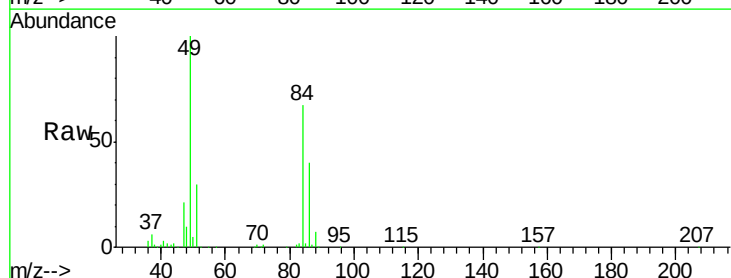
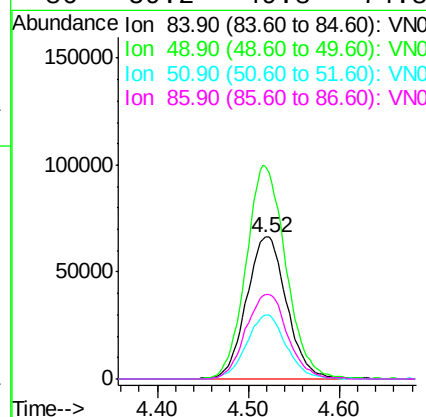
Manual Integrations
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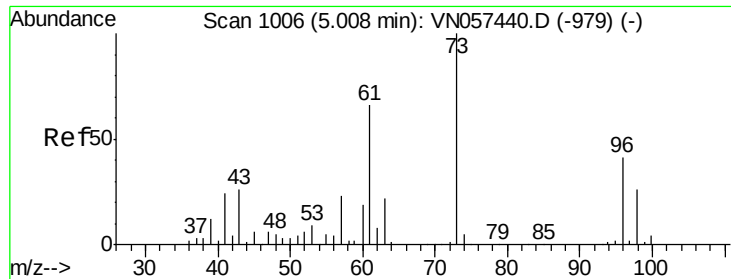
MMDadoda
8/26/2019 1:13:02 PM



#20
Methylene Chloride
Concen: 47.037 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion: 84 Resp: 203455
Ion Ratio Lower Upper
84 100
49 149.4 117.0 175.4
51 45.1 35.5 53.3
86 59.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 43.806 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

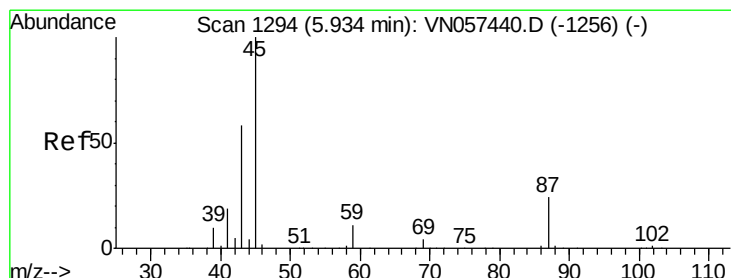
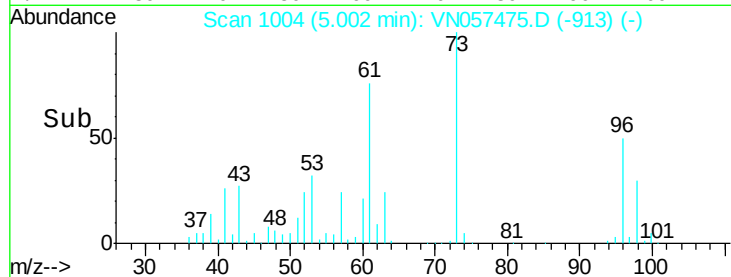
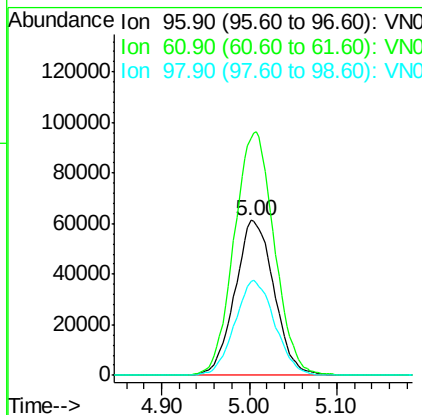
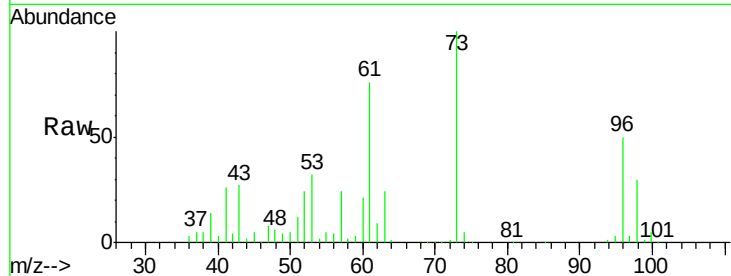
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	189995
Ion	Ratio	Lower	Upper
96	100		
61	153.1	127.9	191.9
98	60.2	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.323 ug/l

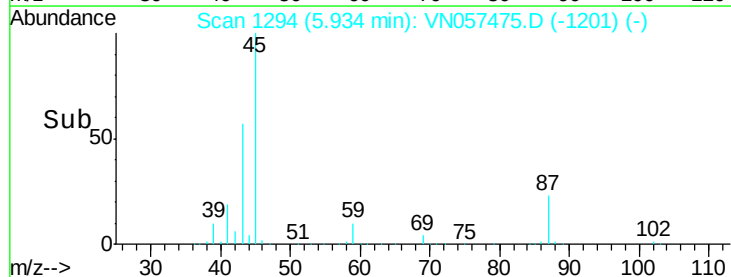
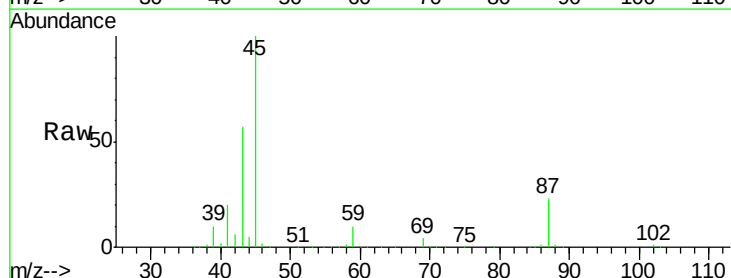
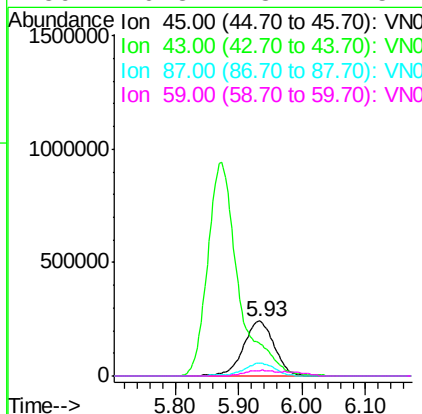
RT: 5.93 min Scan# 1294

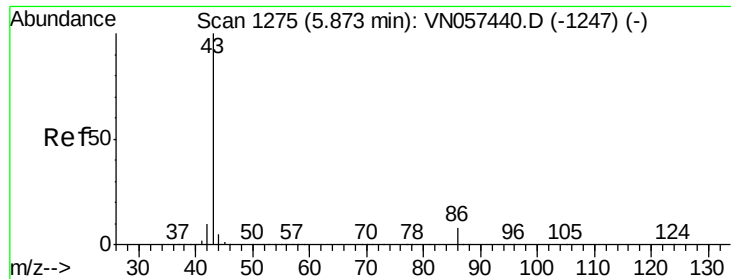
Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion:	45	Resp:	807801
Ion	Ratio	Lower	Upper
45	100		
43	56.6	46.9	70.3
87	23.4	19.3	28.9
59	10.3	8.7	13.1





#23

Vinyl Acetate

Concen: 232.198 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3162655

Ion Ratio Lower Upper

43 100

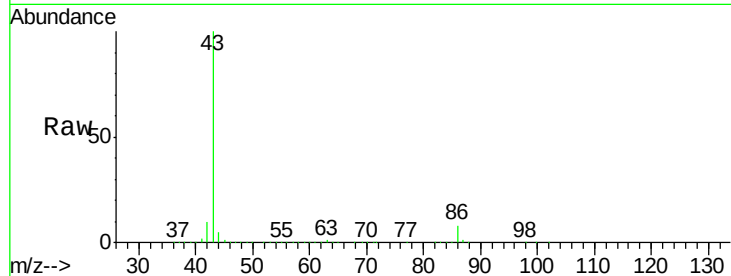
86 8.2 6.7 10.1

Manual Integrations

APPROVED

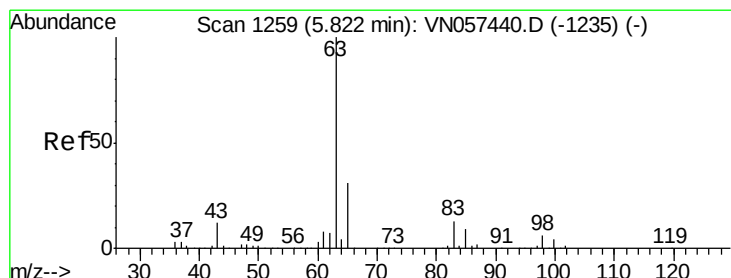
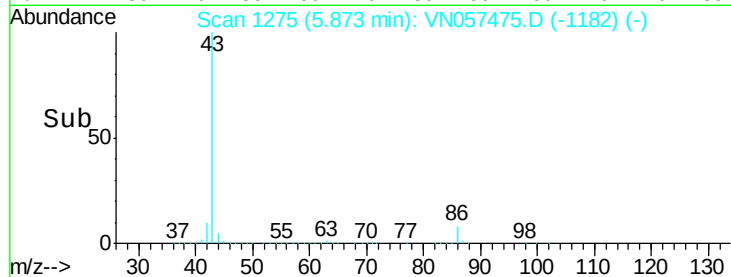
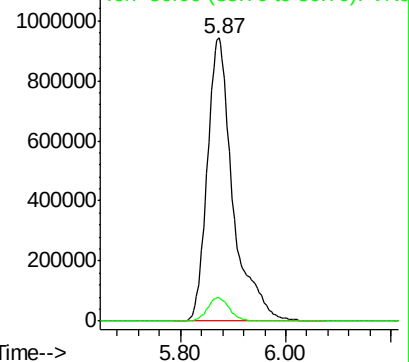
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.113 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

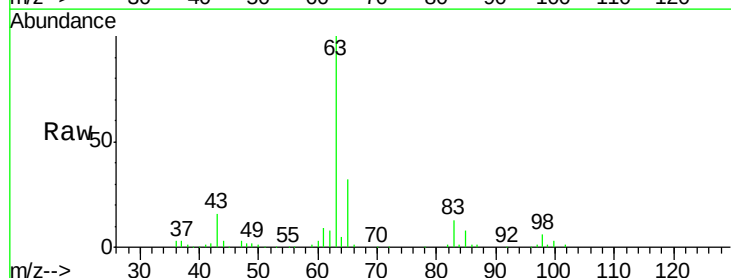
Tgt Ion: 63 Resp: 416924

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

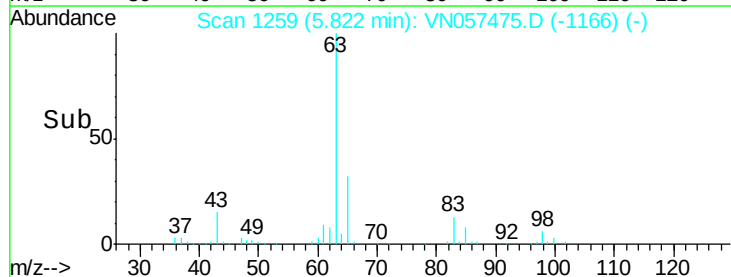
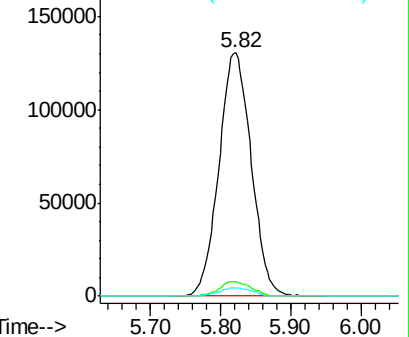
100 3.5 2.1 6.3

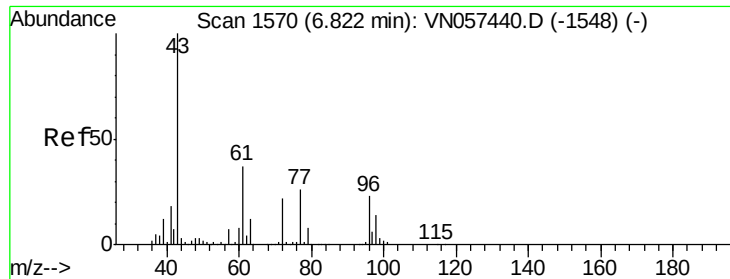


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 236.515 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 749188

Ion Ratio Lower Upper

43 100

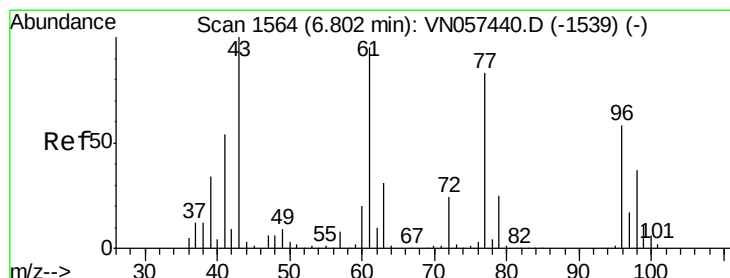
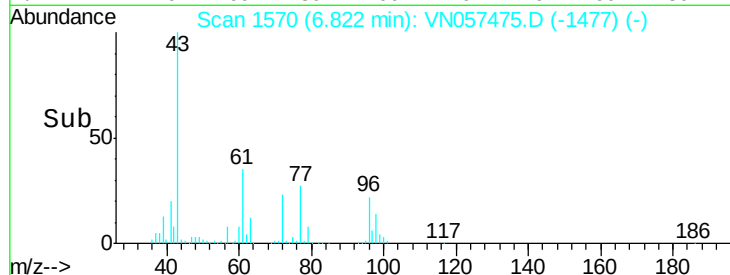
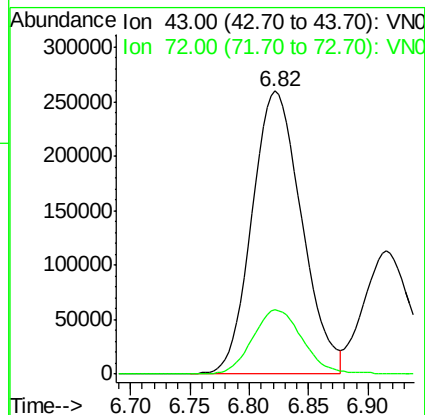
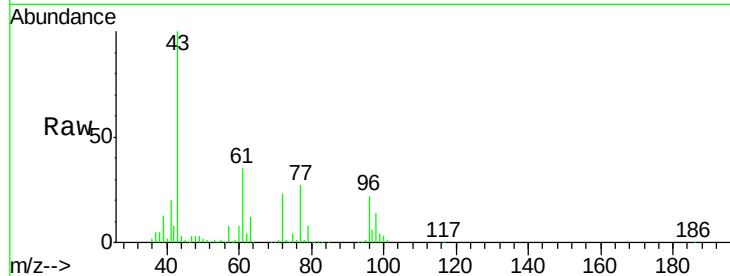
72 22.6 17.8 26.8

Manual Integrations

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8/26/2019 1:13:02 PM



#26

2,2-Dichloropropane

Concen: 44.928 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN057475.D

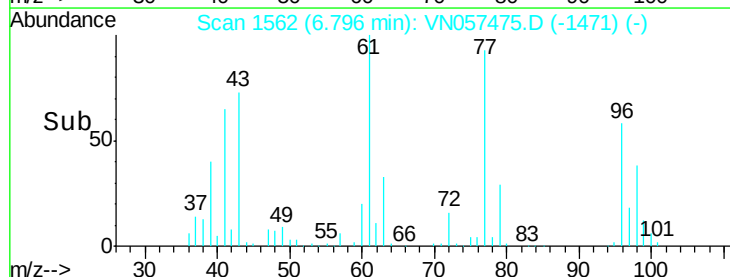
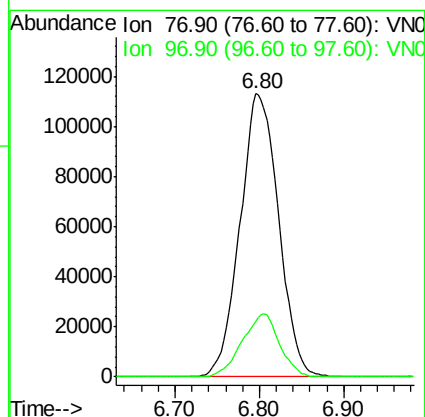
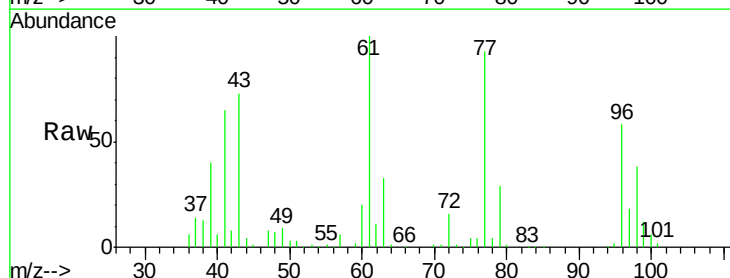
Acq: 23 Aug 2019 16:13

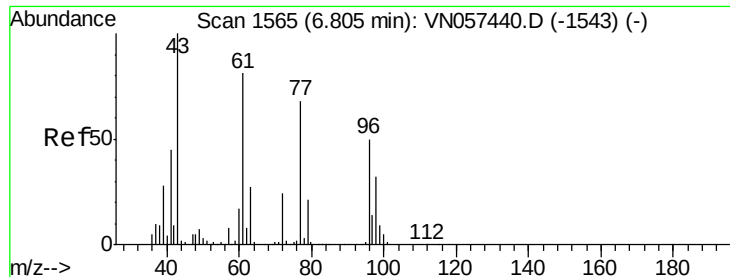
Tgt Ion: 77 Resp: 359566

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 44.657 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

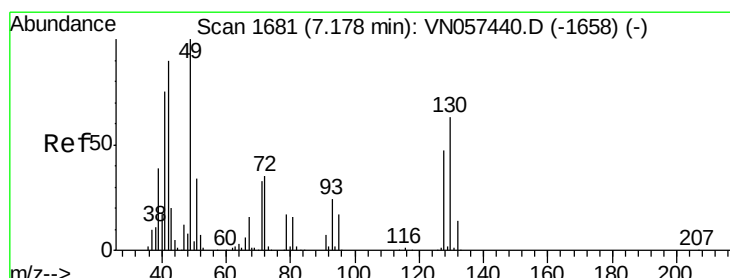
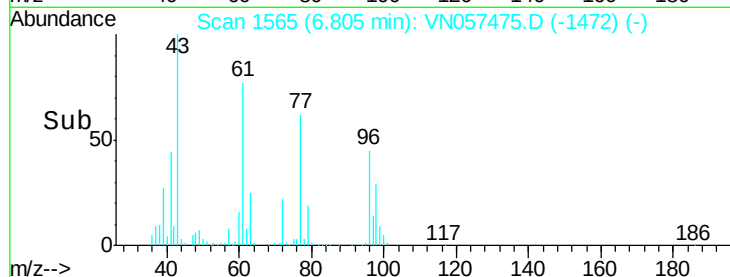
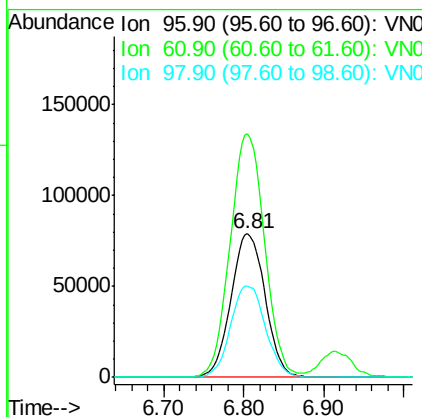
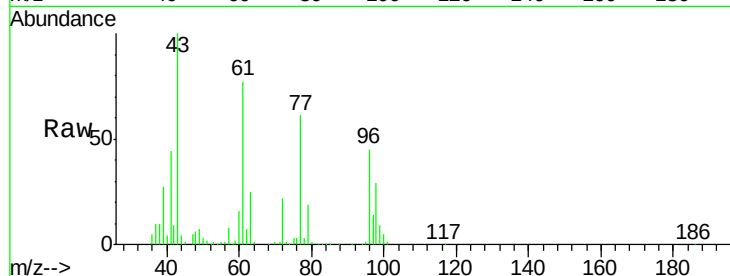
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	229594
Ion	Ratio	Lower	Upper
96	100		
61	170.1	0.0	334.8
98	64.9	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 50.845 ug/l

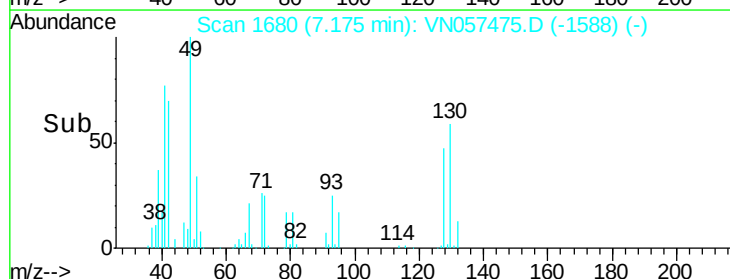
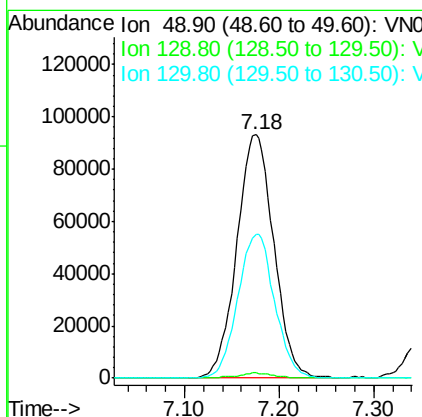
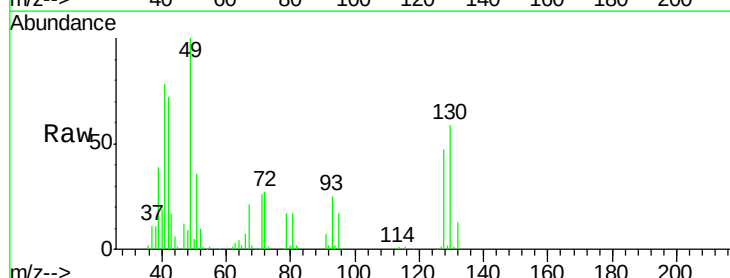
RT: 7.18 min Scan# 1680

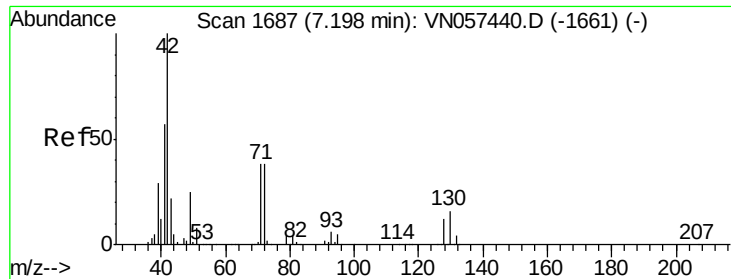
Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion:	49	Resp:	253049
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	58.8	48.6	72.8





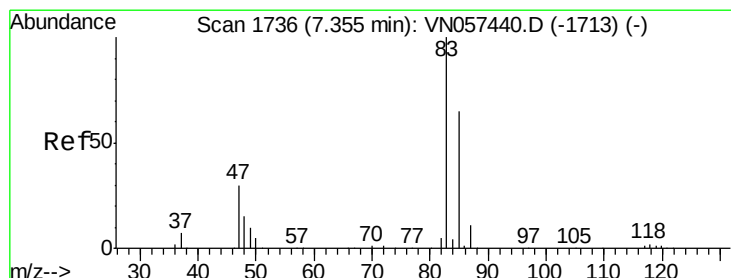
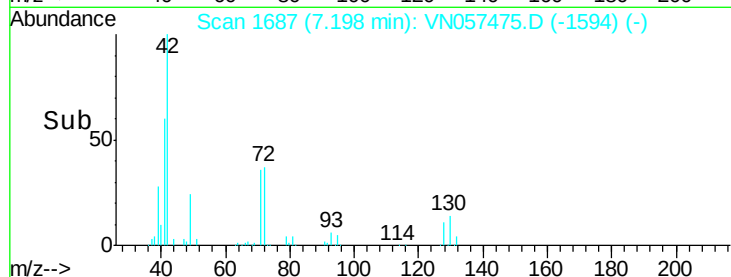
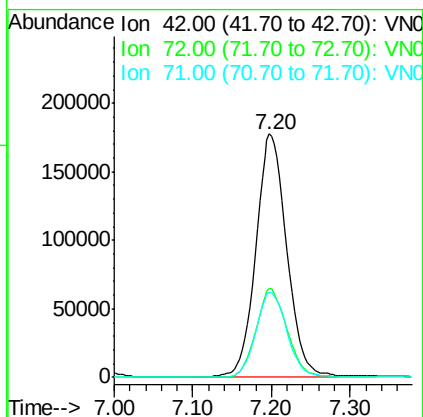
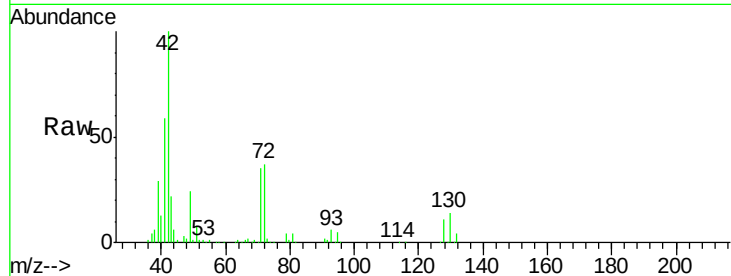
#29
Tetrahydrofuran
Concen: 235.065 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.1	45.1
71	35.4	28.8	43.2

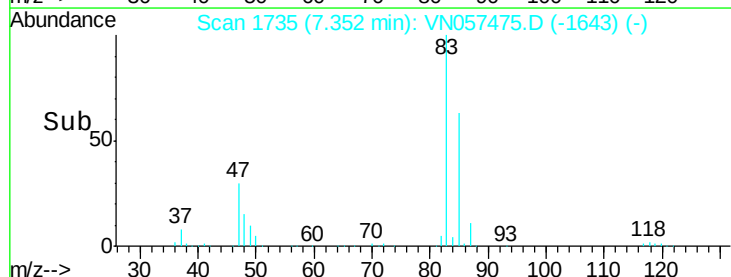
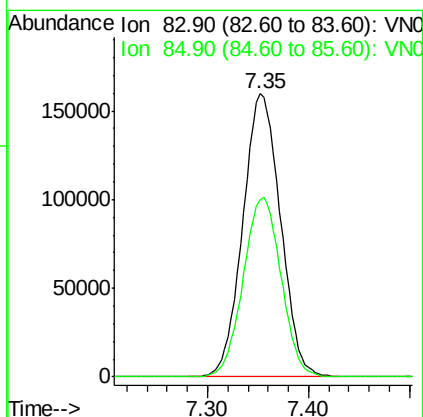
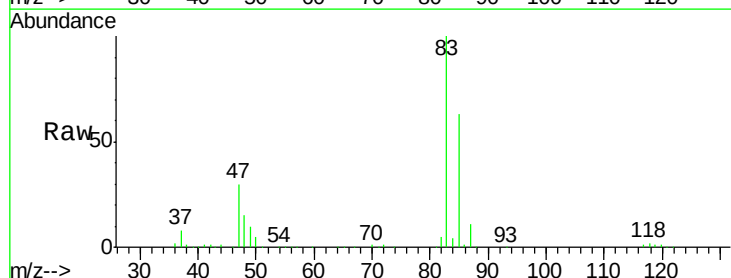
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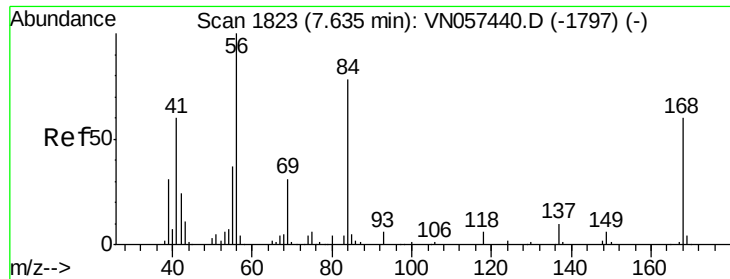
MMDadoda
8/26/2019 1:13:02 PM



#30
Chloroform
Concen: 48.182 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.9	77.9





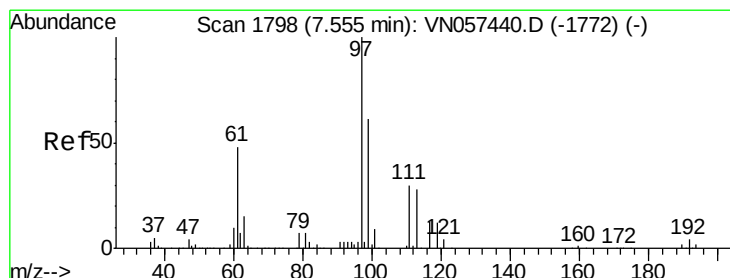
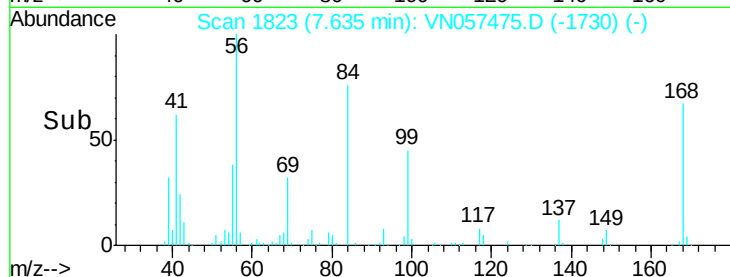
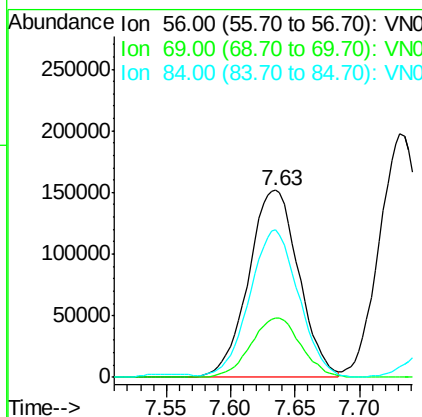
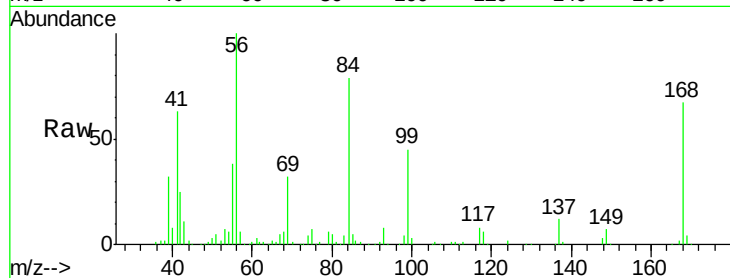
#31
Cyclohexane
Concen: 45.812 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.0	37.6
84	77.8	62.5	93.7

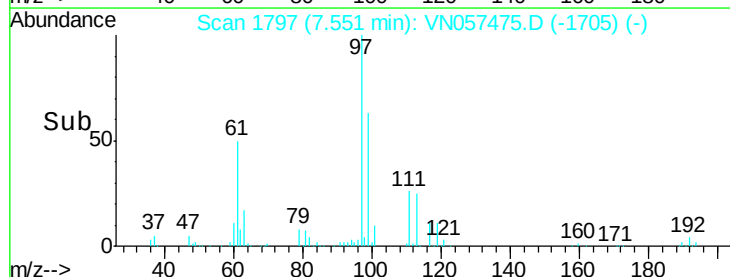
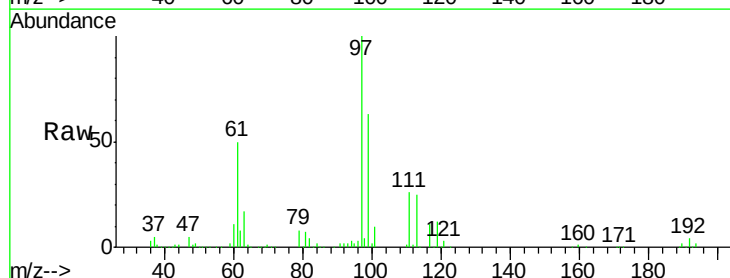
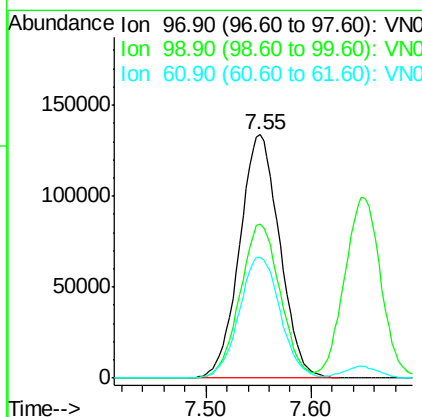
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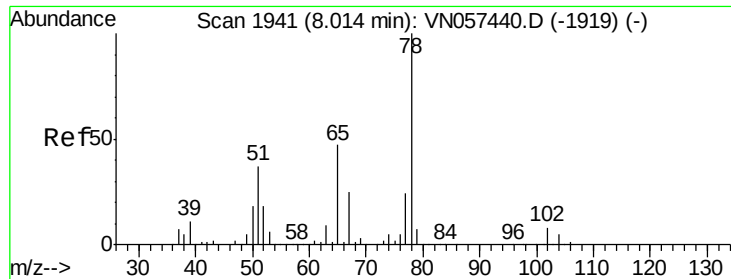
MMDadoda
8/26/2019 1:13:02 PM



#32
1,1,1-Trichloroethane
Concen: 44.612 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	50.9	39.8	59.6





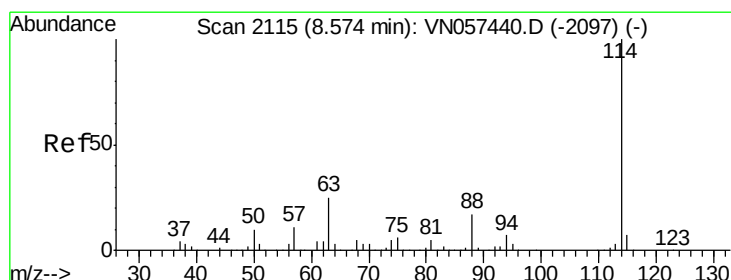
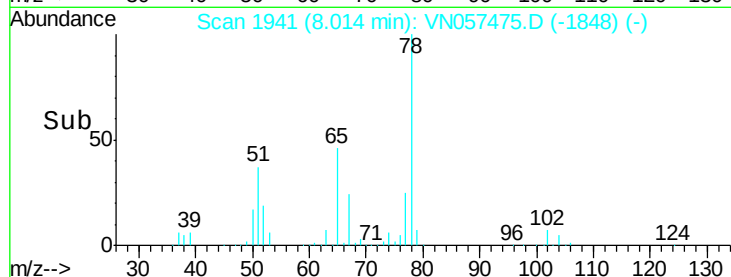
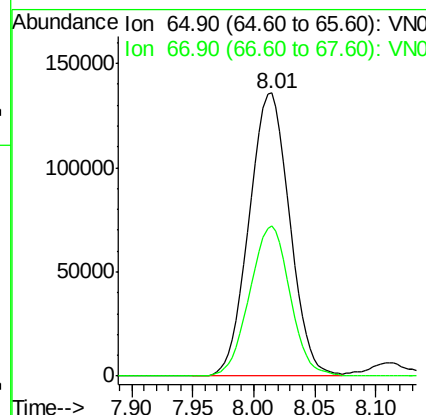
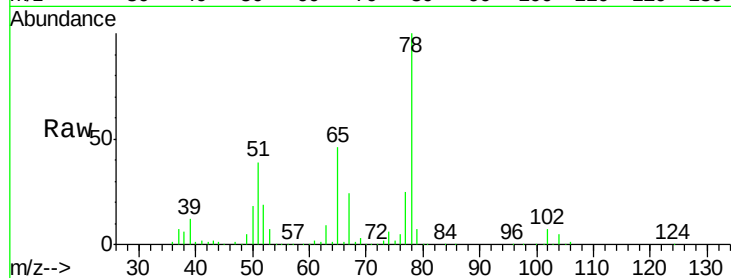
#33
 1,2-Dichloroethane-d4
 Concen: 49.293 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	103.8	

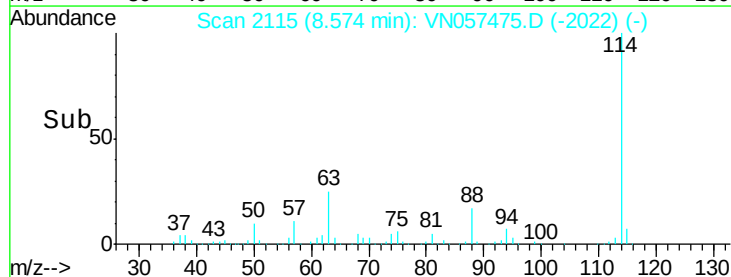
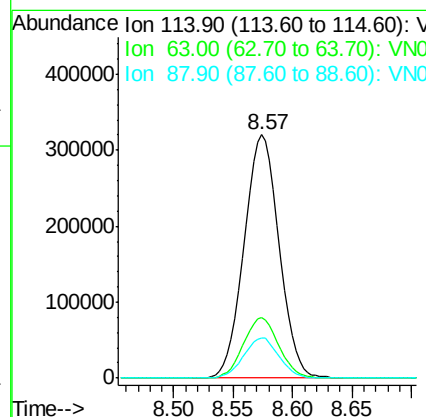
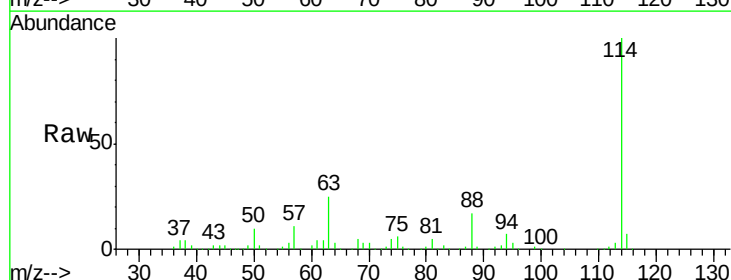
Manual Integrations
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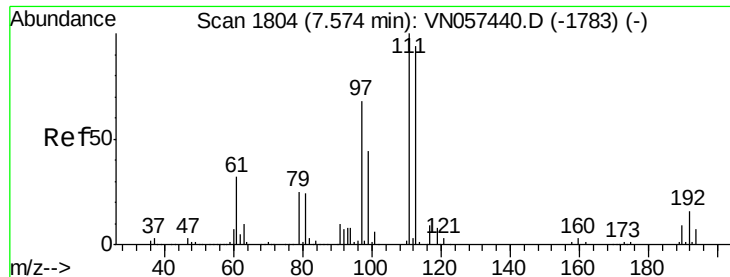
MMDadoda
 8/26/2019 1:13:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.1	0.0	50.2	
88	16.7	0.0	34.6	





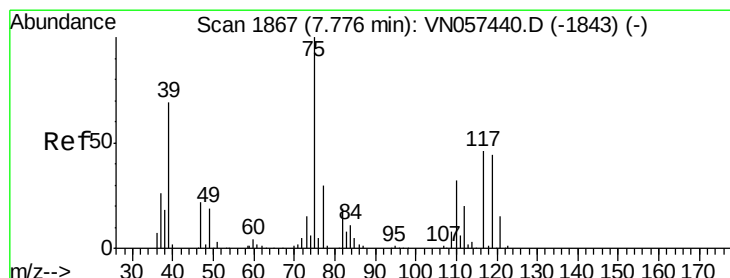
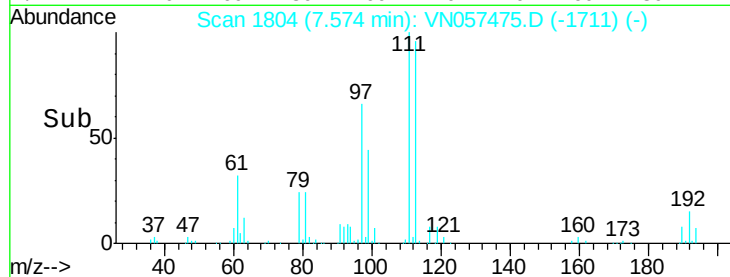
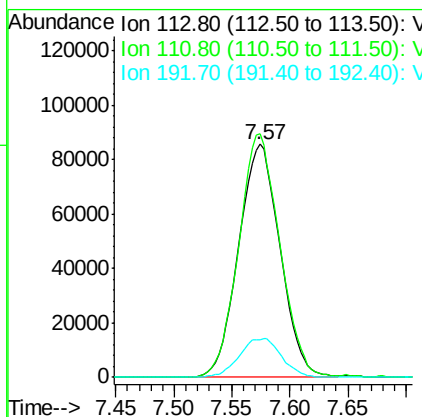
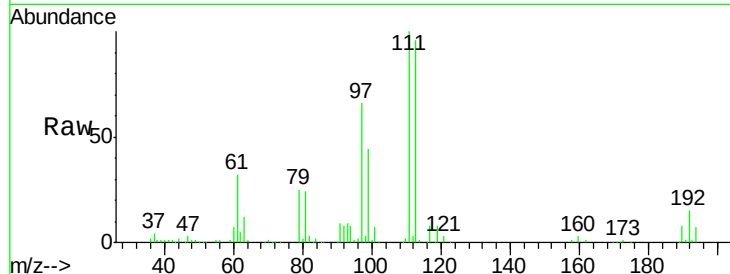
#35
 Dibromofluoromethane
 Concen: 48.361 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	83.8	125.6	
192	17.0	13.5	20.3	

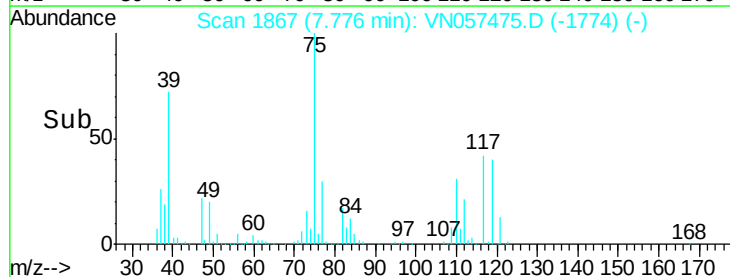
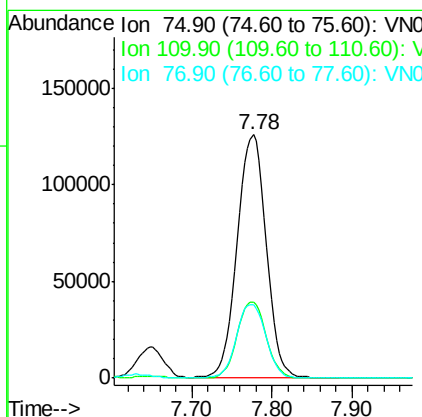
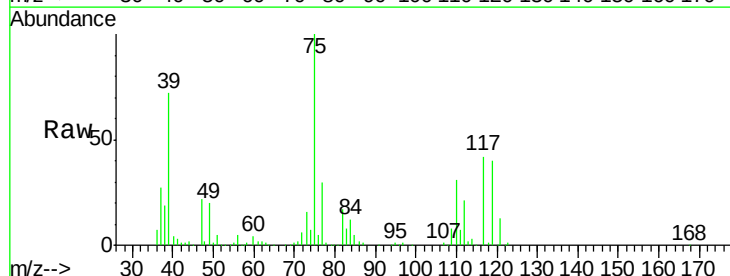
Manual Integrations
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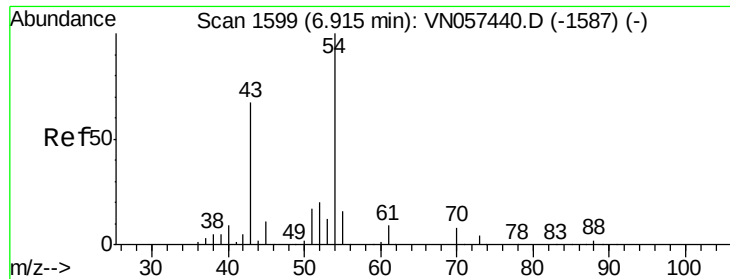
MMDadoda
 8/26/2019 1:13:02 PM



#36
 1,1-Dichloropropene
 Concen: 45.995 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.2	16.1	48.3	
77	31.0	24.8	37.2	





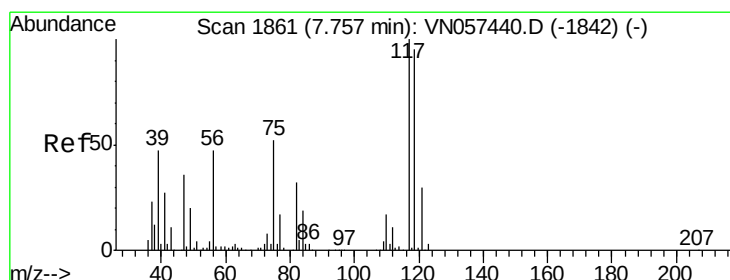
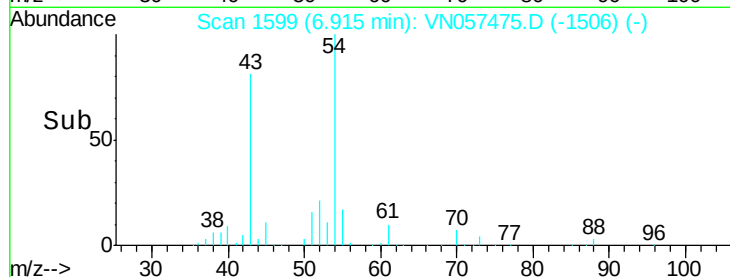
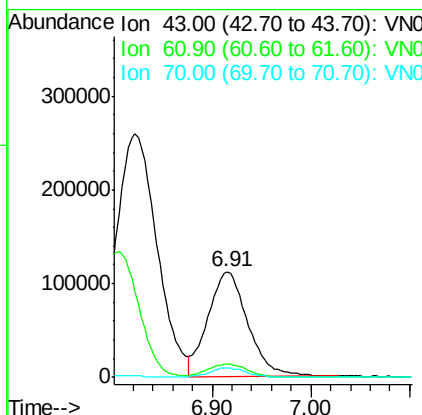
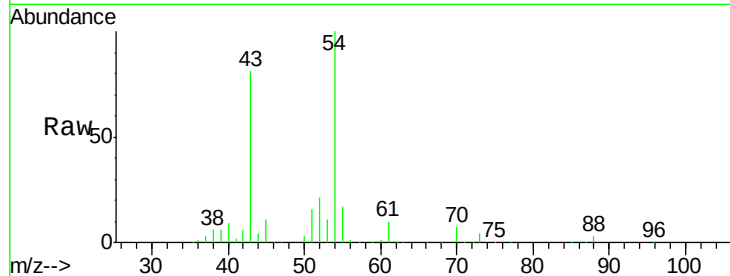
#37
Ethyl Acetate
Concen: 47.531 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	313852		
61	12.8		9.9	14.9
70	8.4		7.0	10.6

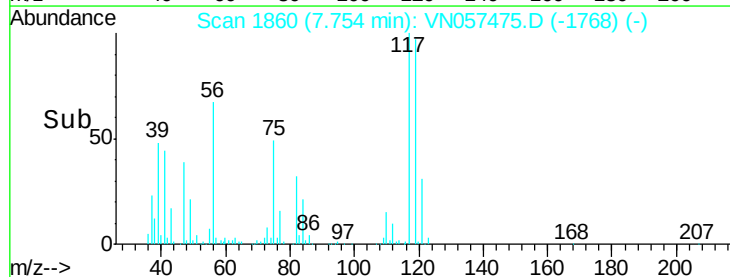
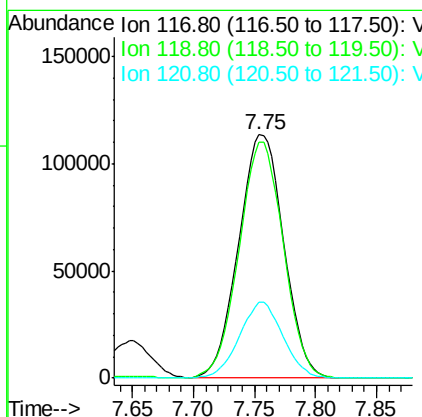
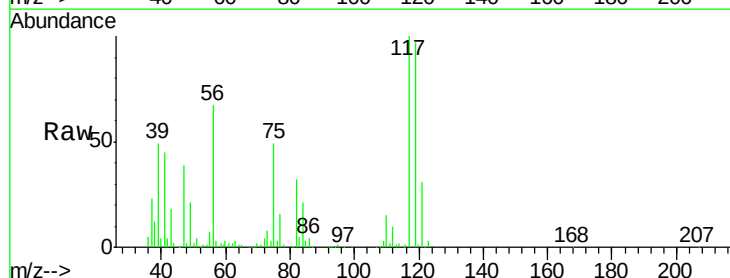
Manual Integrations
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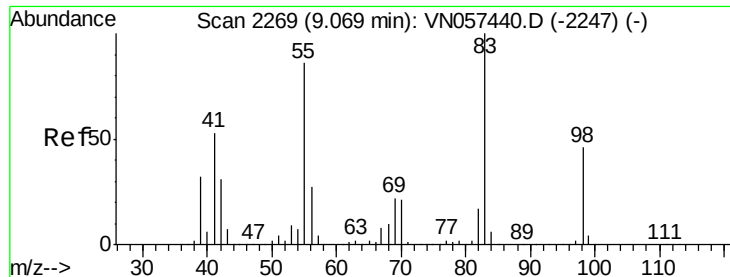
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8/26/2019 1:13:02 PM



#38
Carbon Tetrachloride
Concen: 43.559 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	289170		
119	96.8		76.2	114.4
121	31.0		23.8	35.6





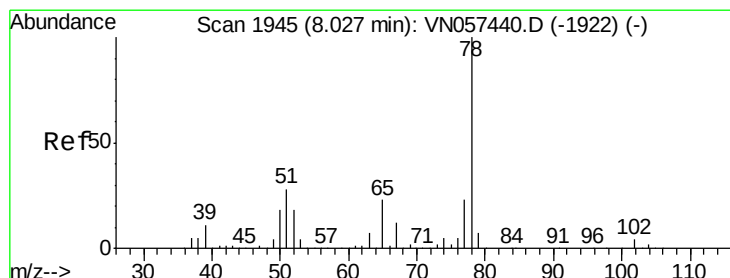
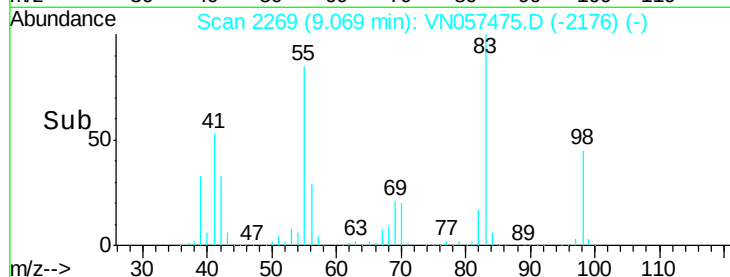
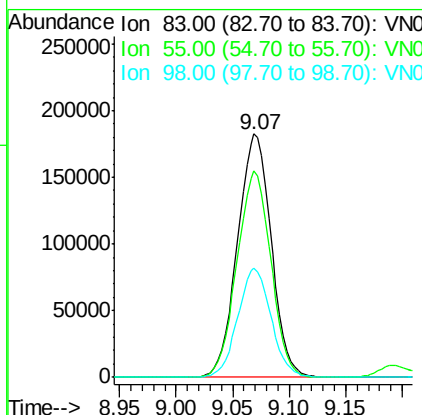
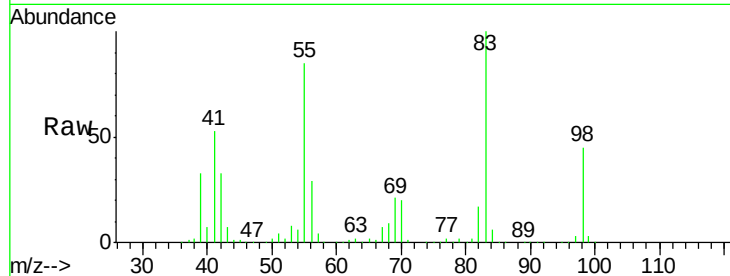
#39
Methylvlcyclohexane
Concen: 47.814 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	68.6	102.8
98	44.6	36.6	54.8

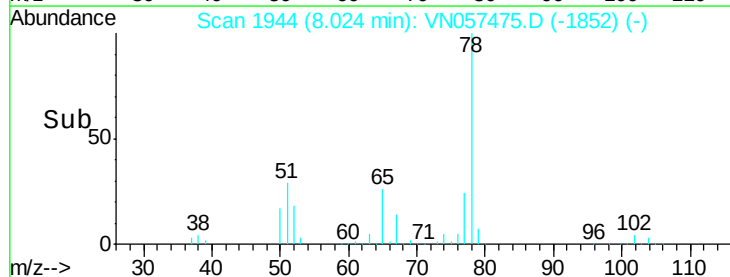
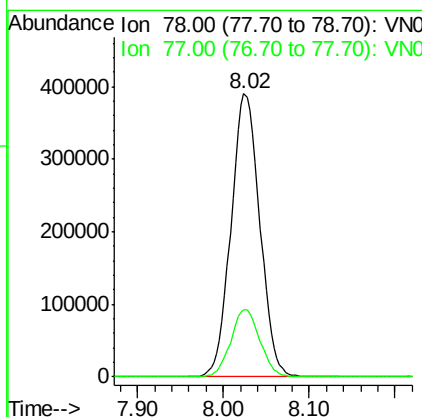
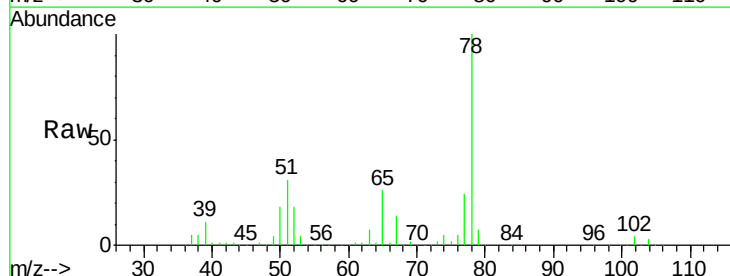
Manual Integrations
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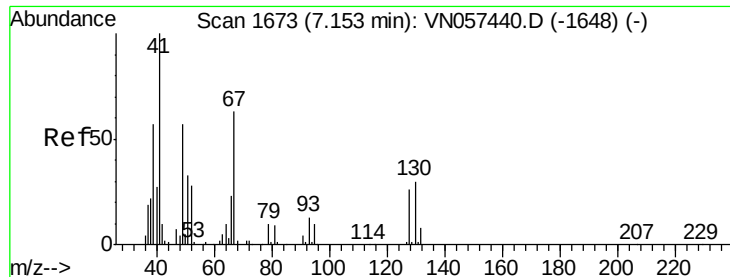
MMDadoda
8/26/2019 1:13:02 PM



#40
Benzene
Concen: 45.191 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7





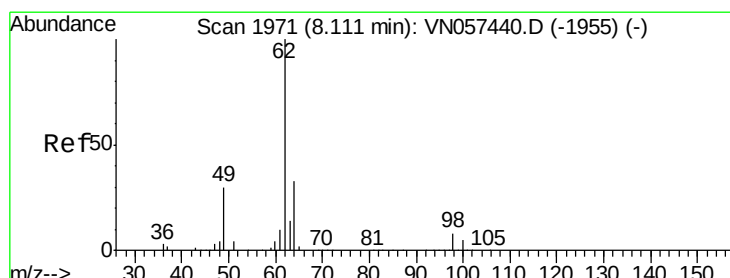
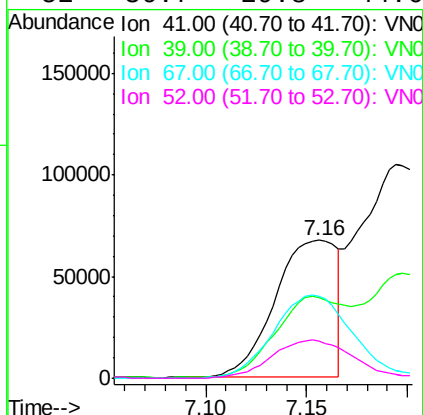
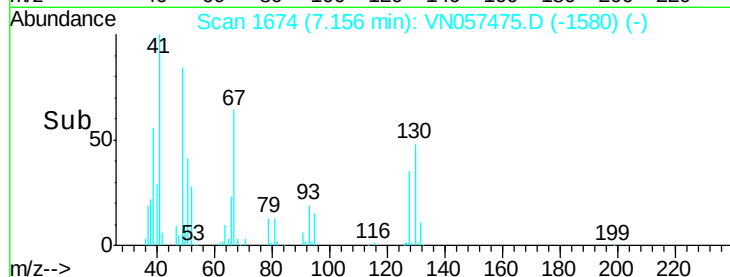
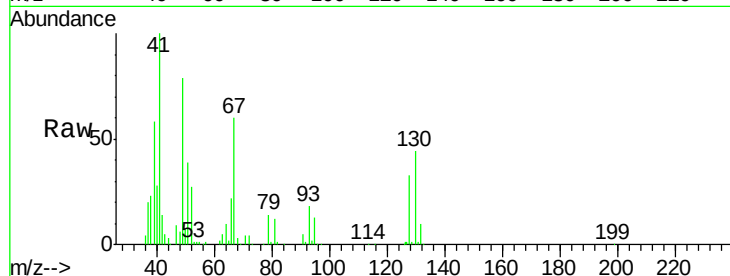
#41
Methacrylonitrile
Concen: 45.673 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.5	53.6	80.4	
67	78.6	65.4	98.2	
52	36.7	29.8	44.6	

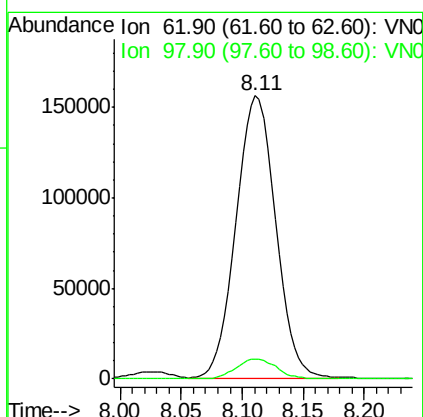
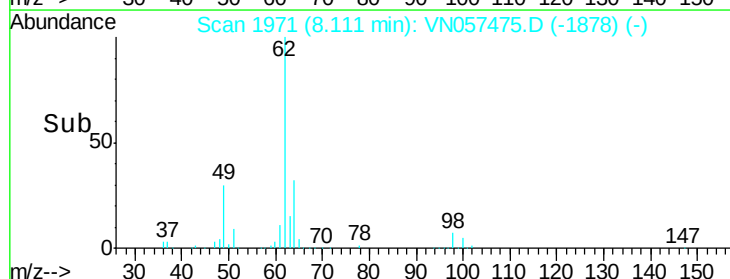
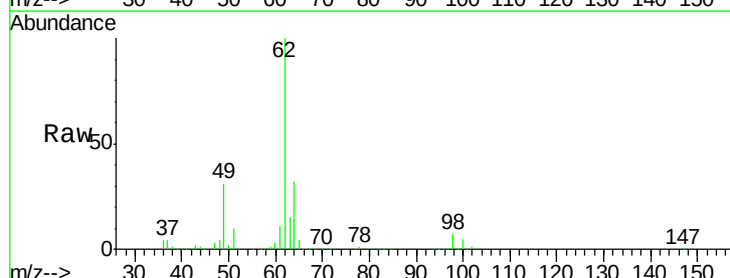
Manual Integrations
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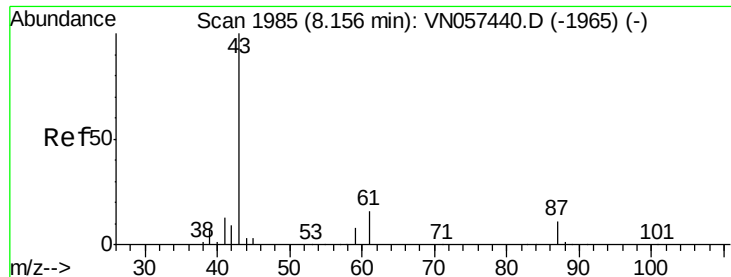
MMDadoda
8/26/2019 1:13:02 PM



#42
1,2-Dichloroethane
Concen: 45.435 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.3	0.0	15.4	





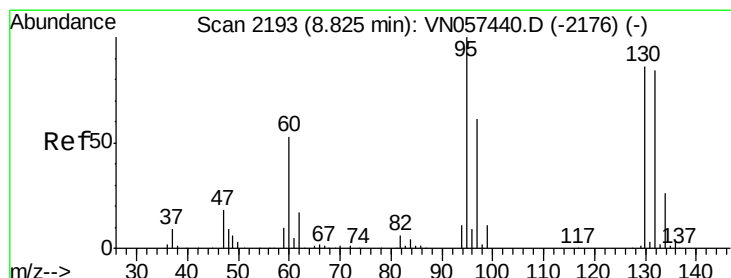
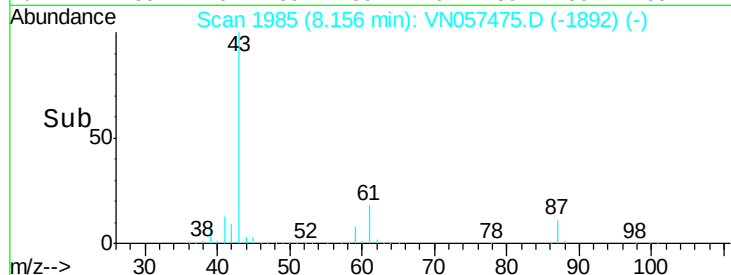
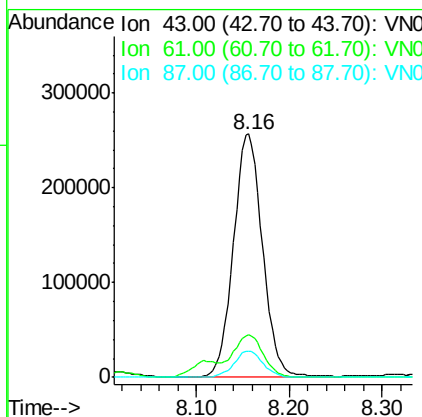
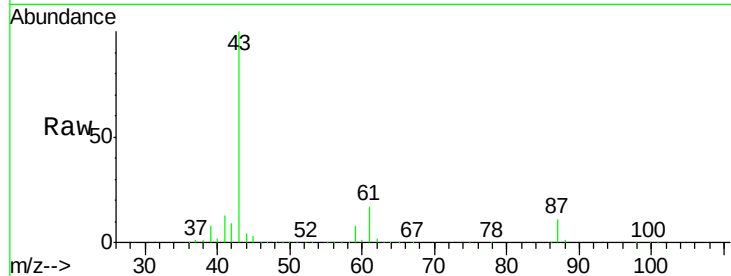
#43
Isopropyl Acetate
Concen: 45.822 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	14.5	21.7
87	10.8	8.6	12.8

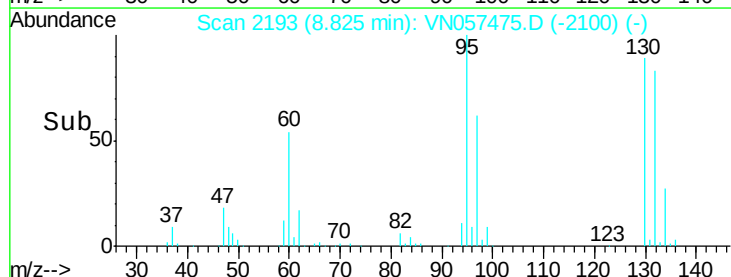
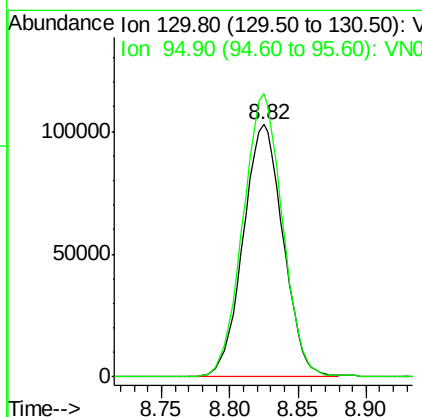
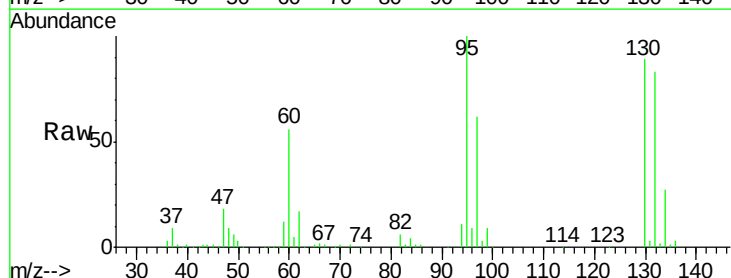
Manual Integrations
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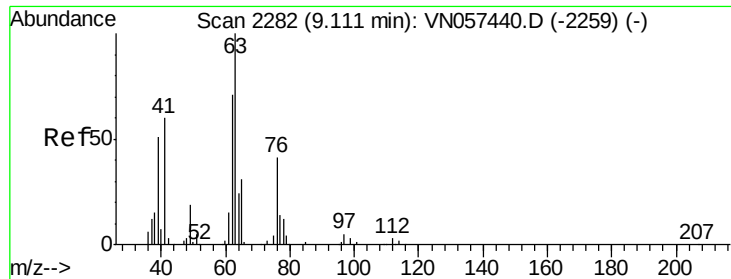
MMDadoda
8/26/2019 1:13:02 PM



#44
Trichloroethene
Concen: 46.700 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.2	0.0	231.6





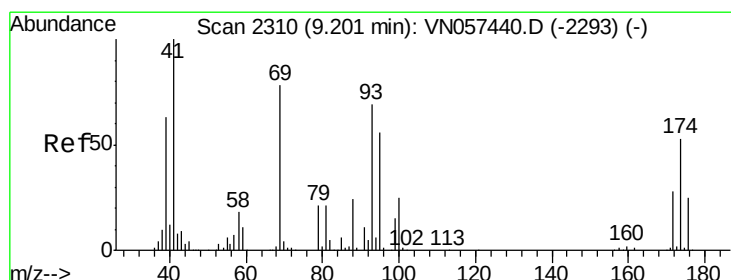
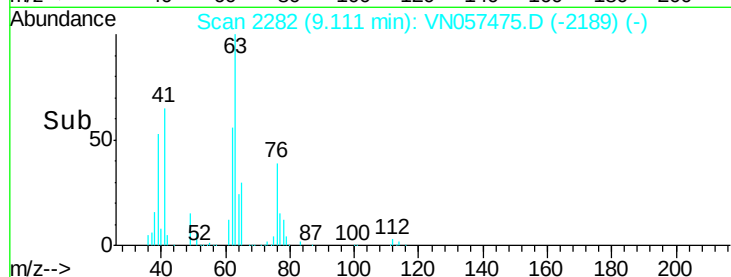
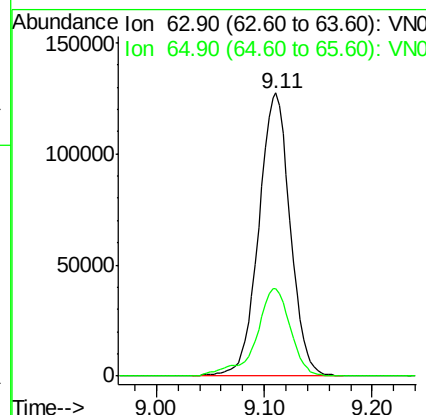
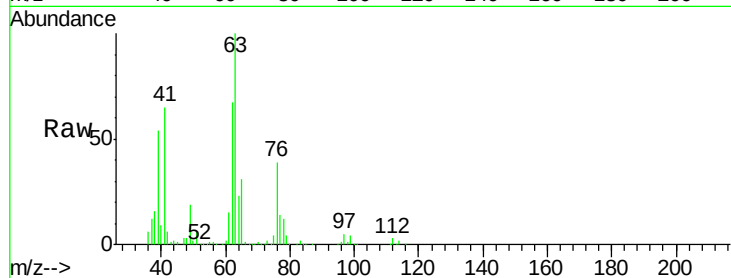
#45
 1,2-Dichloropropane
 Concen: 45.613 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 257646
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1

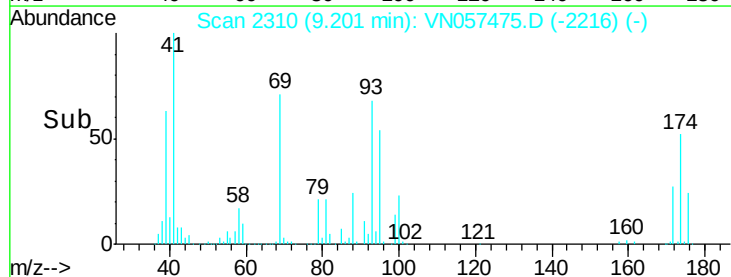
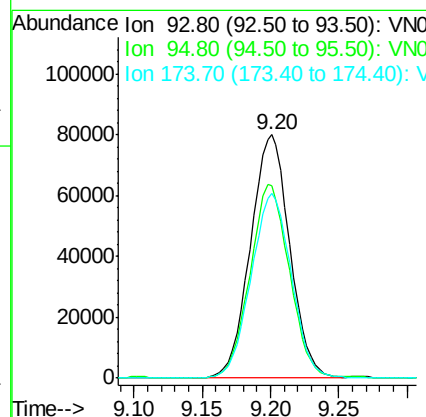
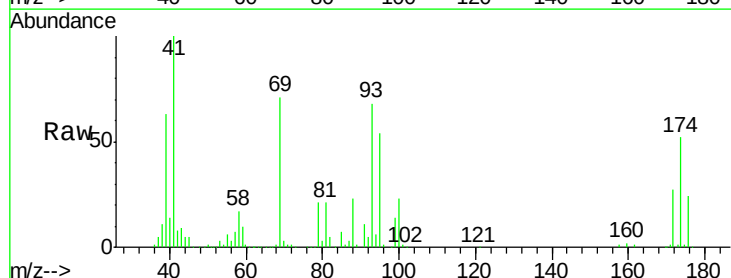
Manual Integrations
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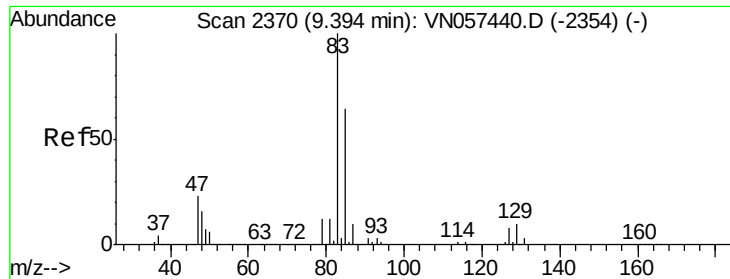
MMDadoda
 8/26/2019 1:13:02 PM



#46
 Dibromomethane
 Concen: 48.264 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Tgt Ion: 93 Resp: 159784
 Ion Ratio Lower Upper
 93 100
 95 80.1 64.7 97.1
 174 77.8 62.3 93.5





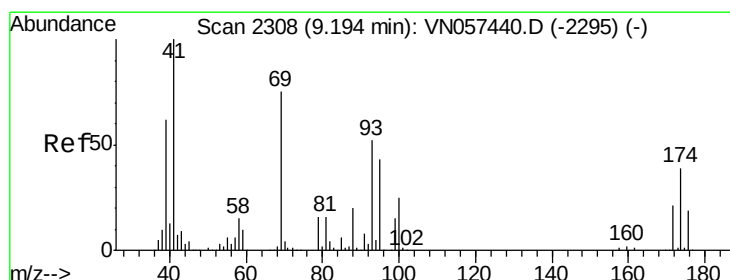
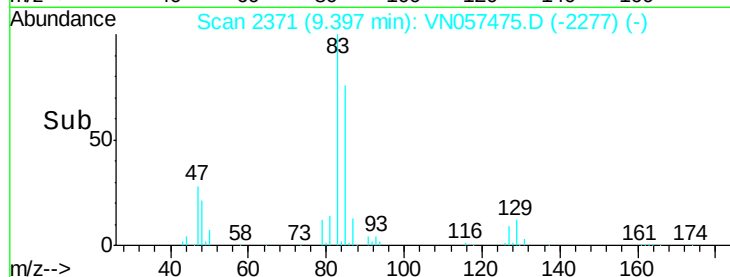
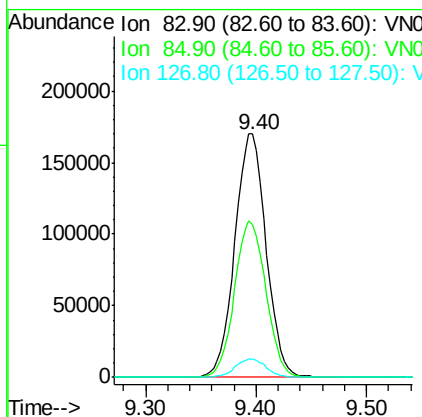
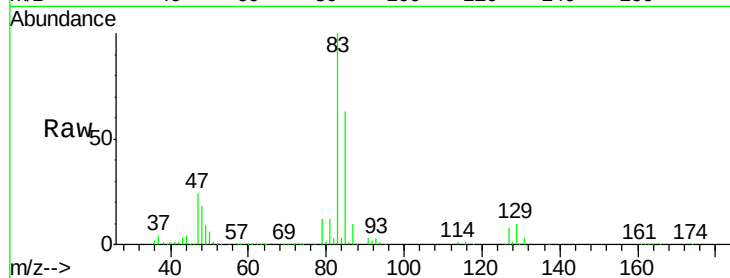
#47
Bromodichloromethane
Concen: 44.778 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	333689		
85	62.8		51.2	76.8
127	7.6		6.6	10.0

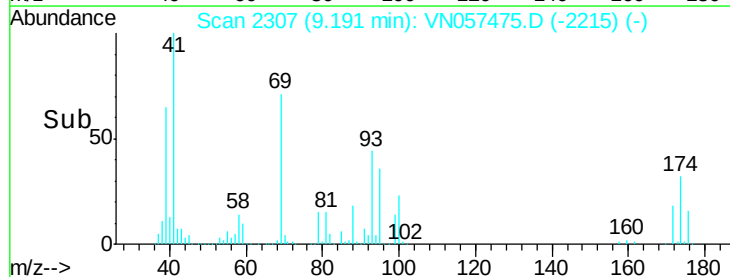
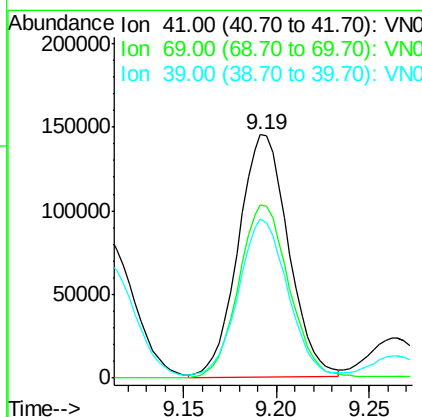
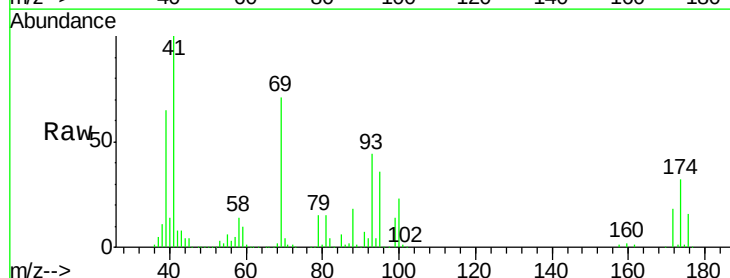
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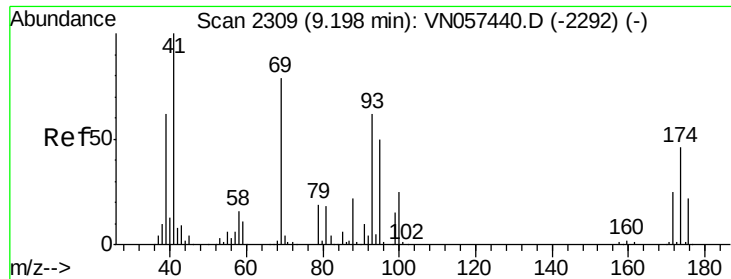
MMDadoda
8/26/2019 1:13:02 PM



#48
Methyl methacrylate
Concen: 47.530 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	273643		
69	72.0		59.3	88.9
39	64.0		50.6	75.8





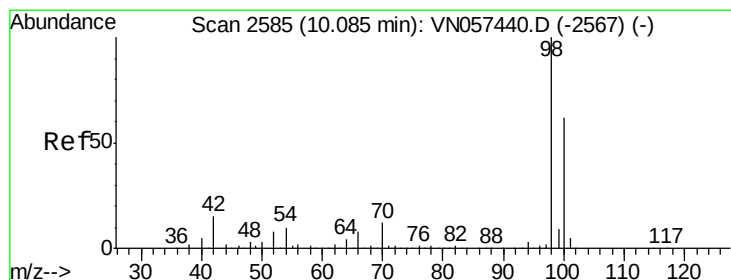
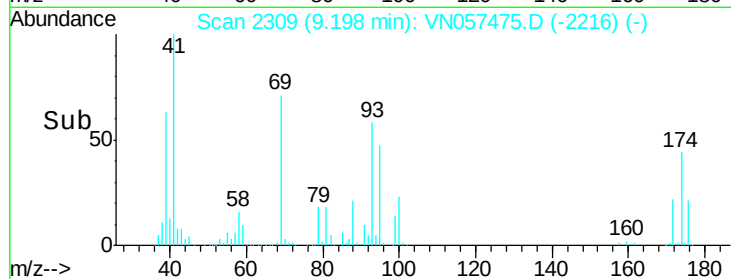
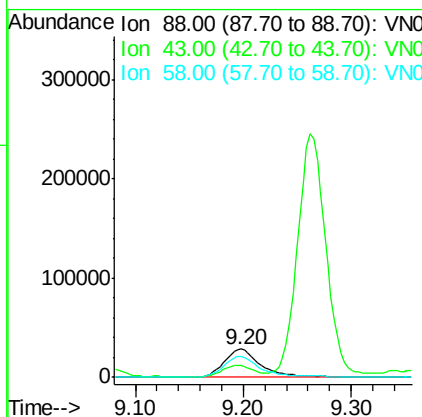
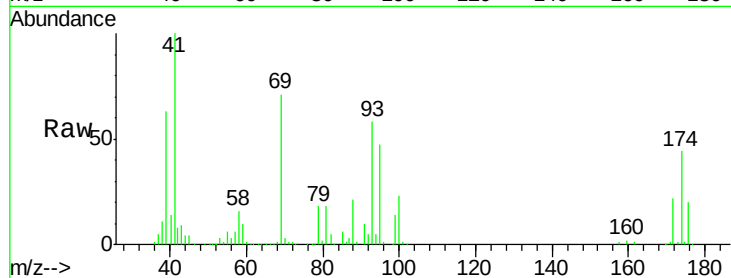
#49
 1,4-Dioxane
 Concen: 910.934 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	31.0	46.6
58	72.9	64.5	96.7

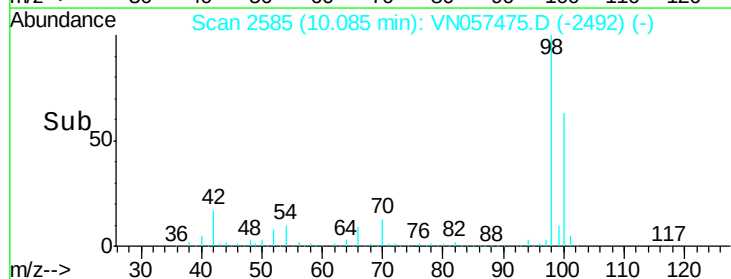
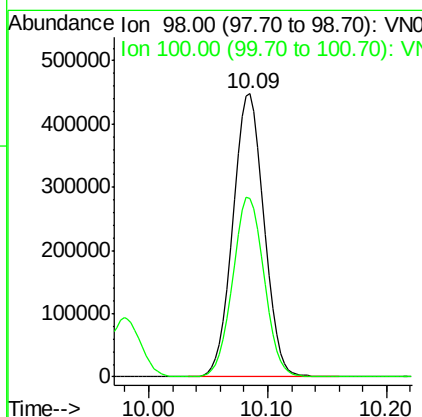
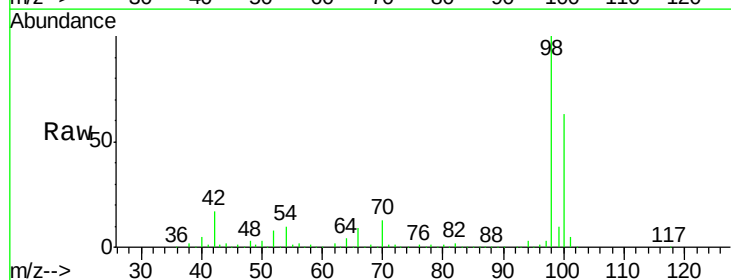
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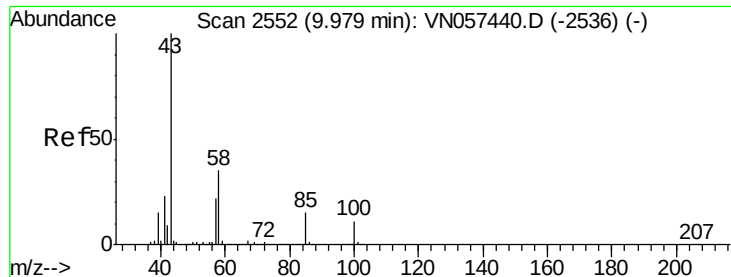
MMDadoda
 8/26/2019 1:13:02 PM



#50
 Toluene-d8
 Concen: 48.721 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.4	75.6





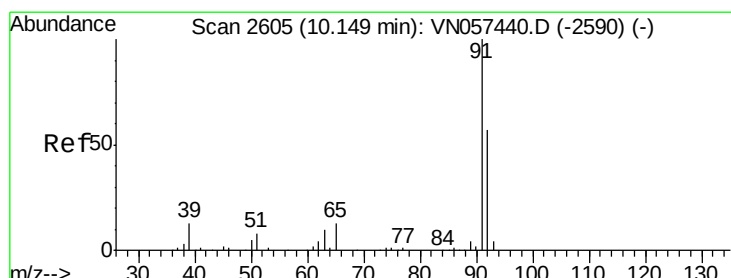
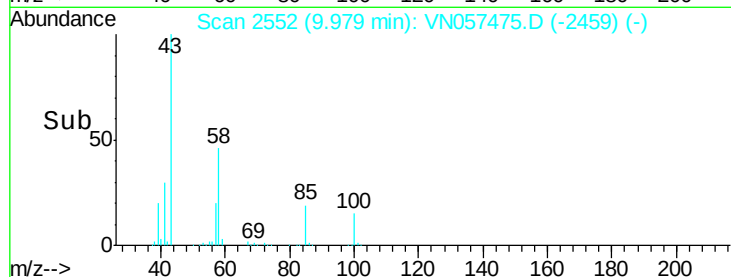
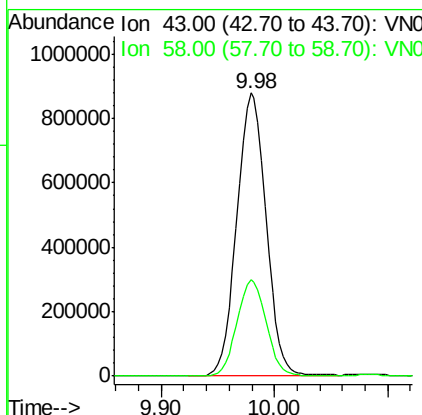
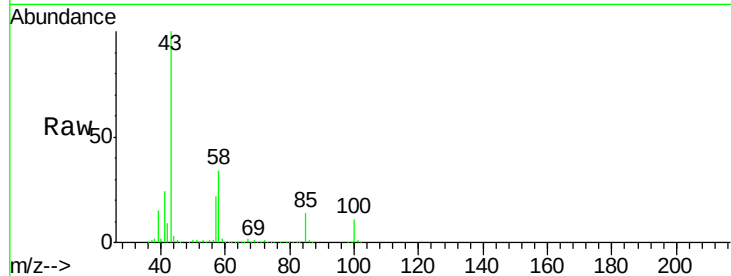
#51
 4-Methyl-2-Pentanone
 Concen: 235.528 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1589274
 Ion Ratio Lower Upper
 43 100
 58 34.0 27.9 41.9

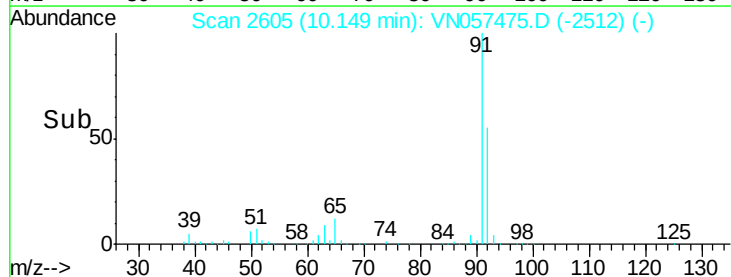
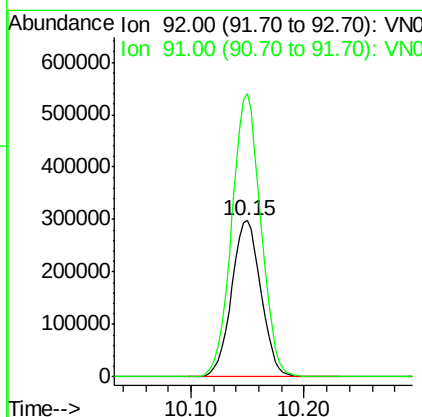
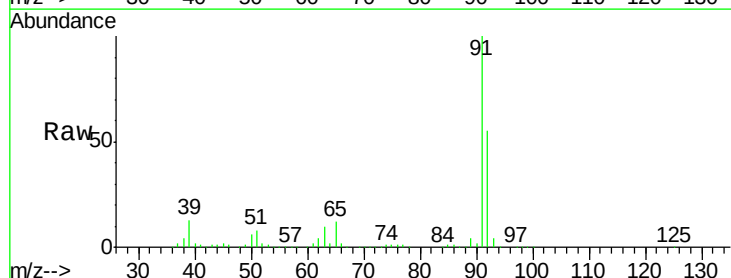
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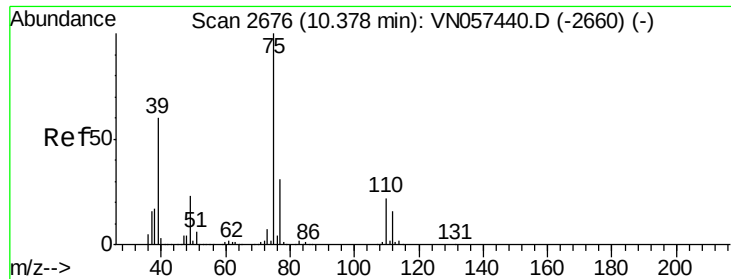
MMDadoda
 8/26/2019 1:13:02 PM



#52
 Toluene
 Concen: 46.674 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Tgt Ion: 92 Resp: 539542
 Ion Ratio Lower Upper
 92 100
 91 178.7 140.9 211.3





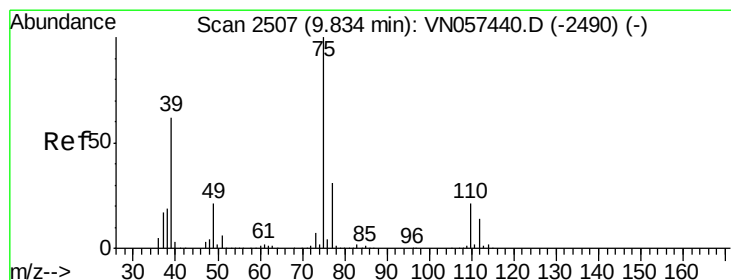
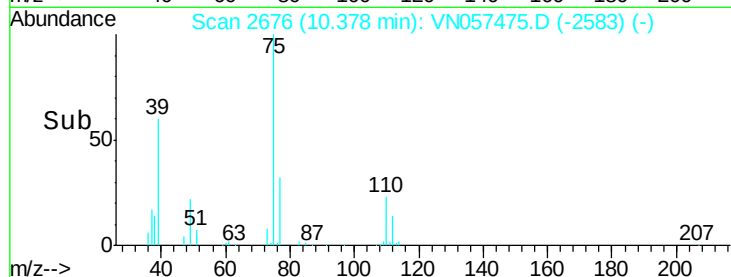
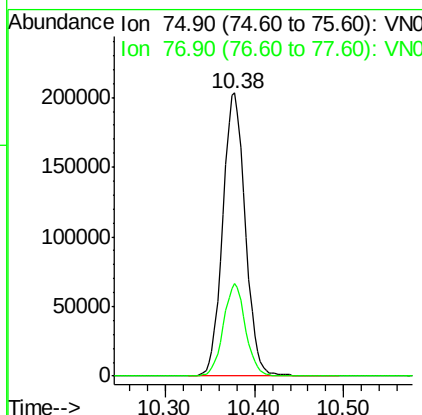
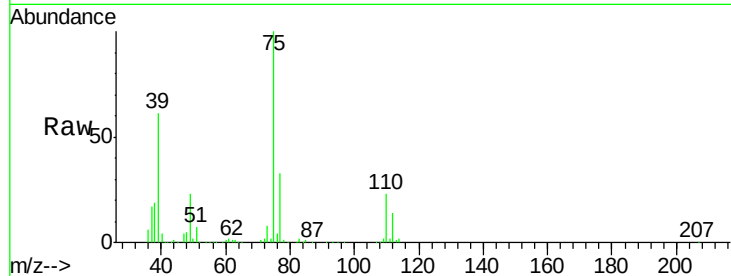
#53
t-1,3-Dichloropropene
Concen: 45.625 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.6

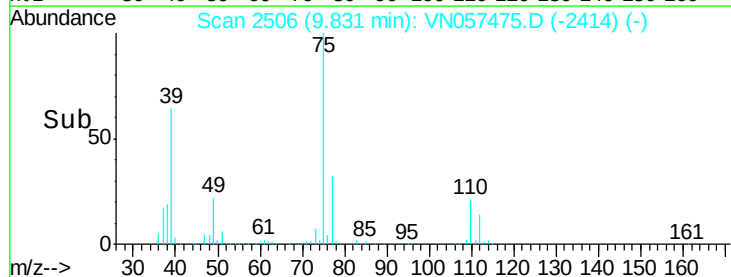
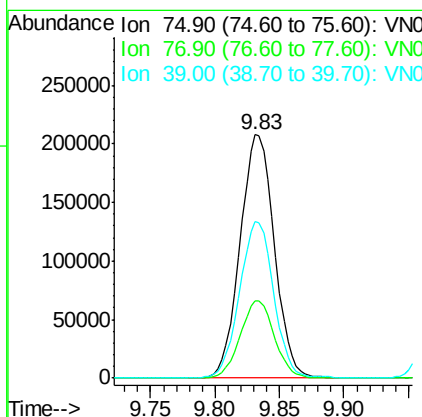
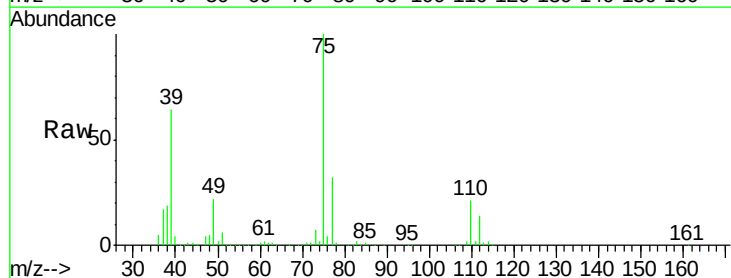
Manual Integrations
APPROVED

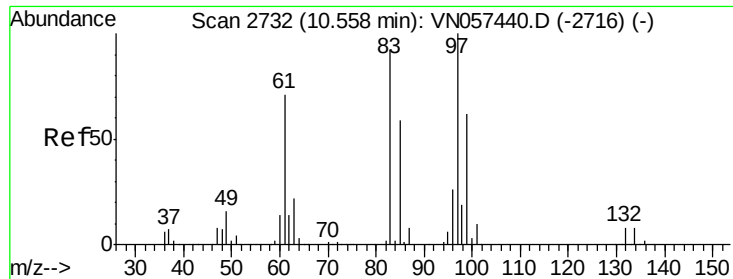
MMDadoda
8/26/2019 1:13:02 PM



#54
cis-1,3-Dichloropropene
Concen: 44.342 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6
39	64.1	49.2	73.8





#55

1,1,2-Trichloroethane

Concen: 44.642 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

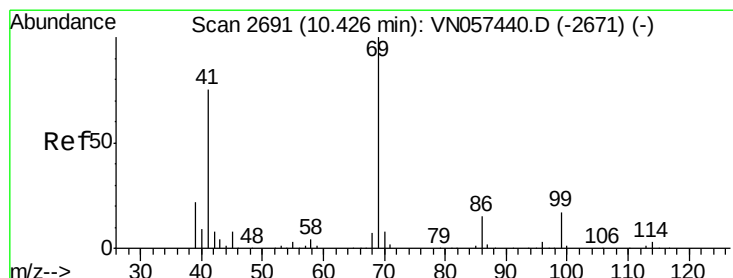
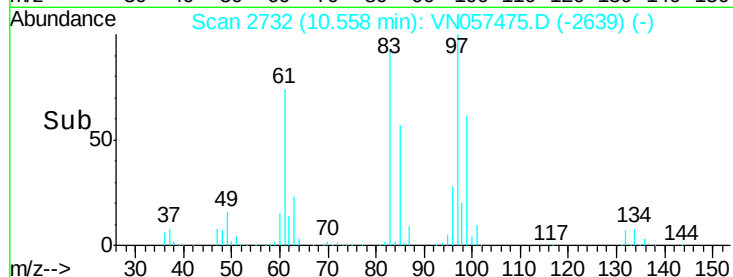
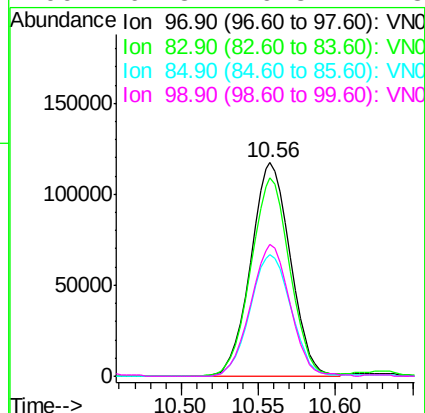
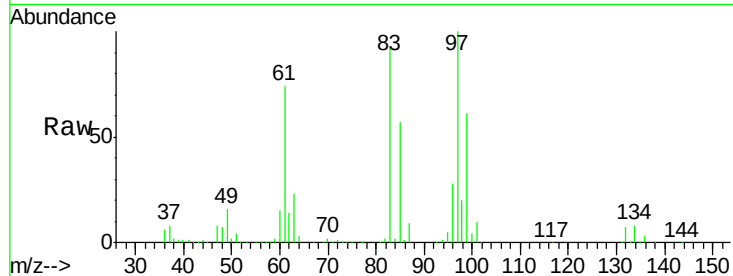
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	208690
Ion	Ratio	Lower	Upper
97	100		
83	93.0	73.7	110.5
85	56.8	46.8	70.2
99	61.3	49.8	74.8

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#56

Ethyl methacrylate

Concen: 47.182 ug/l

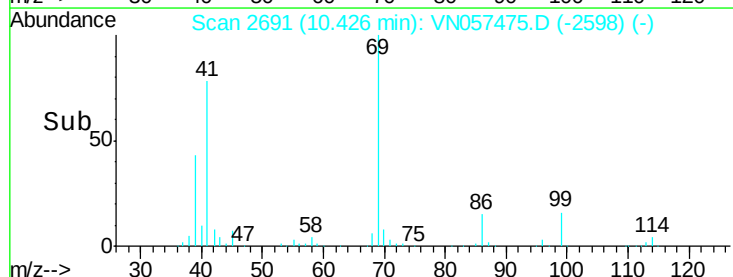
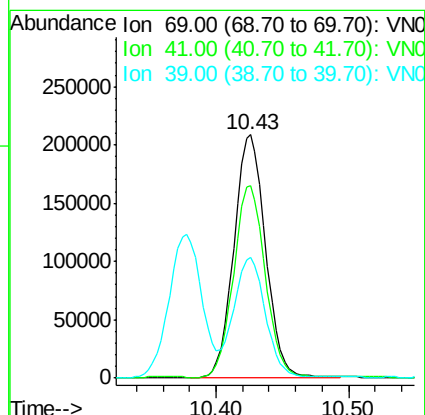
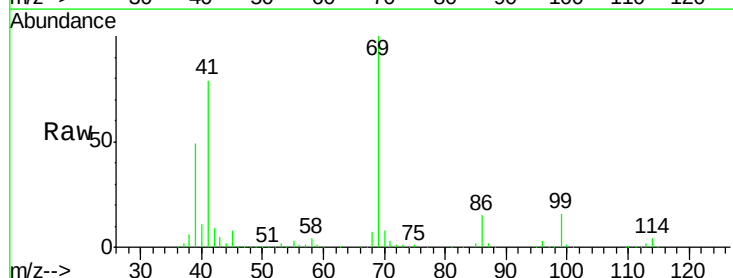
RT: 10.43 min Scan# 2691

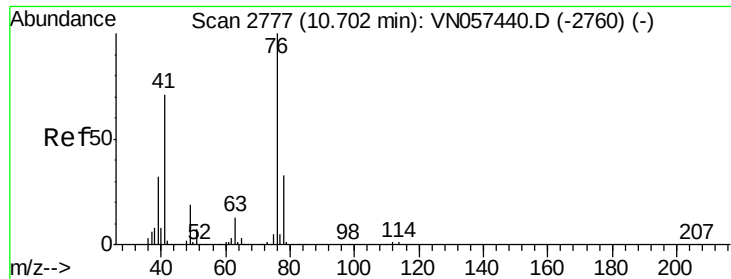
Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion:	69	Resp:	346964
Ion	Ratio	Lower	Upper
69	100		
41	78.5	60.8	91.2
39	49.6	36.5	54.7





#57

1,3-Dichloropropane

Concen: 46.279 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 376526

Ion Ratio Lower Upper

76 100

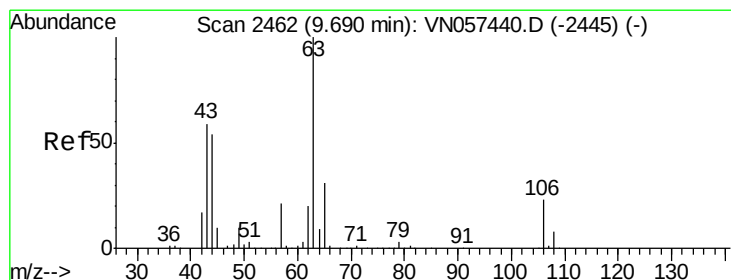
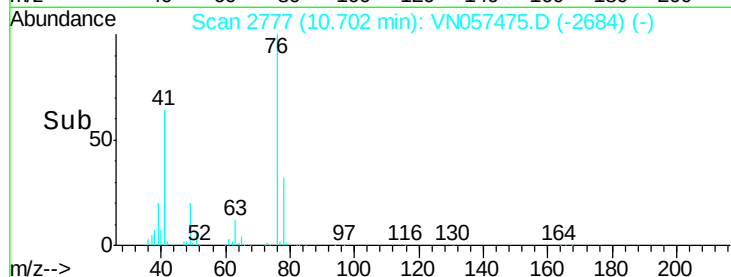
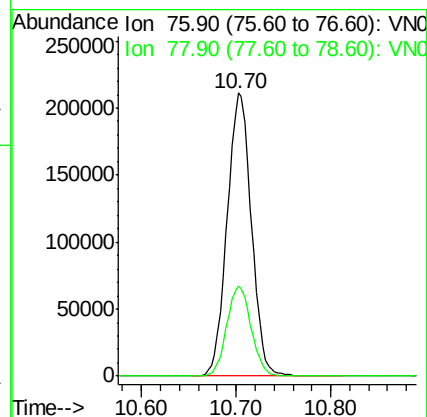
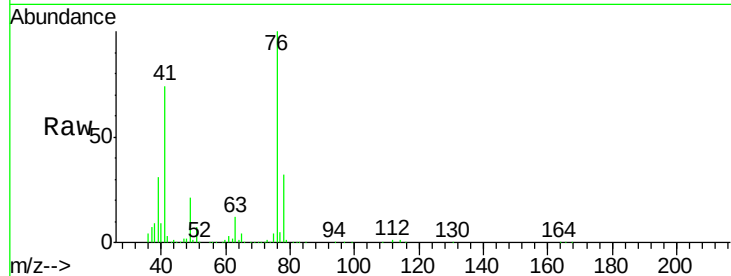
78 32.0 25.5 38.3

Manual Integrations

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8/26/2019 1:13:02 PM



#58

2-Chloroethyl Vinyl ether

Concen: 342.451 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN057475.D

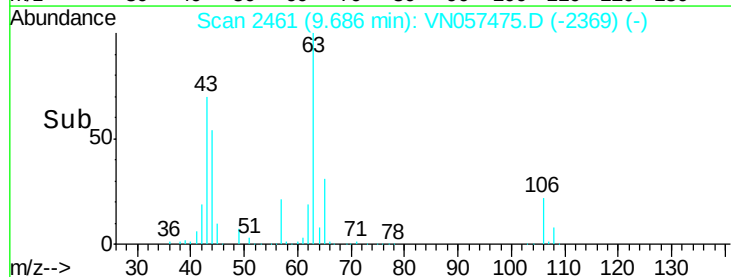
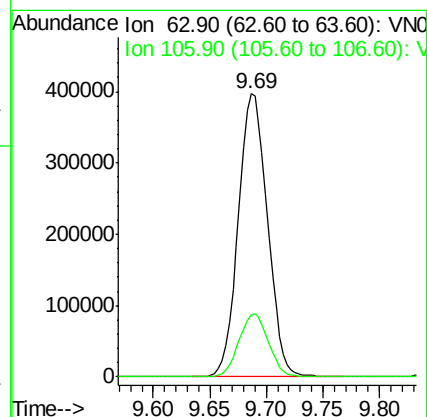
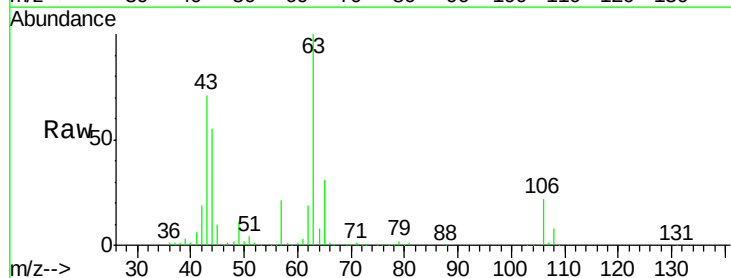
Acq: 23 Aug 2019 16:13

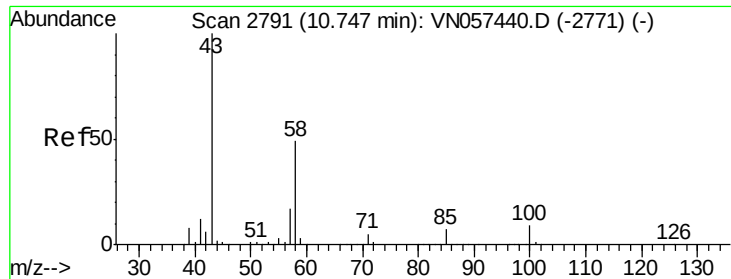
Tgt Ion: 63 Resp: 715234

Ion Ratio Lower Upper

63 100

106 22.6 18.6 27.8





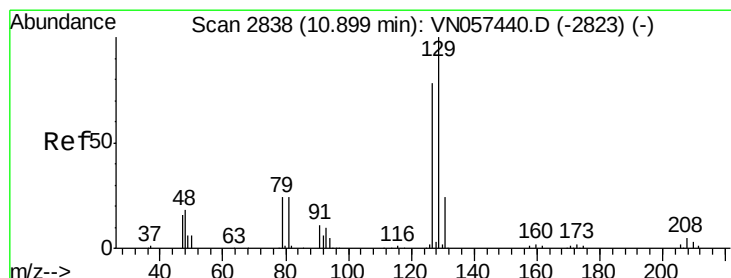
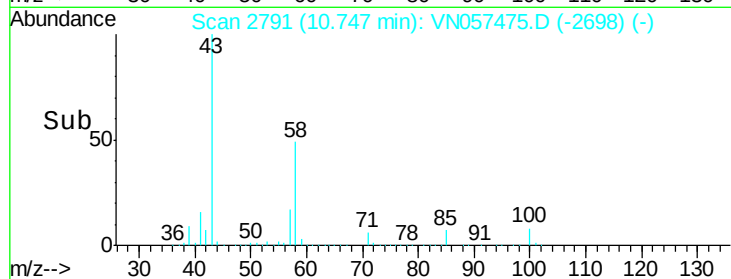
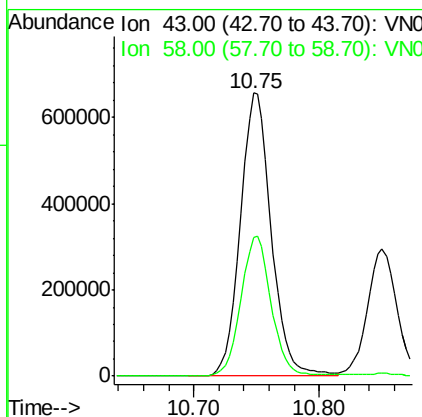
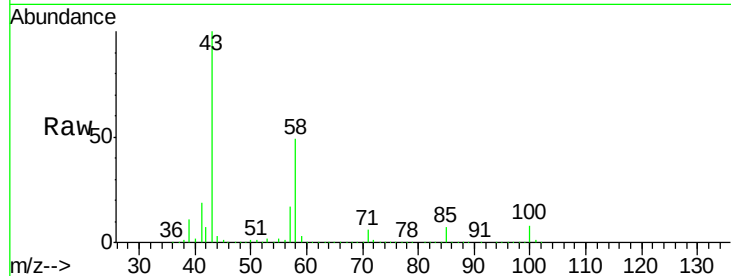
#59
2-Hexanone
Concen: 242.926 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1124301
Ion Ratio Lower Upper
43 100
58 48.9 24.6 73.6

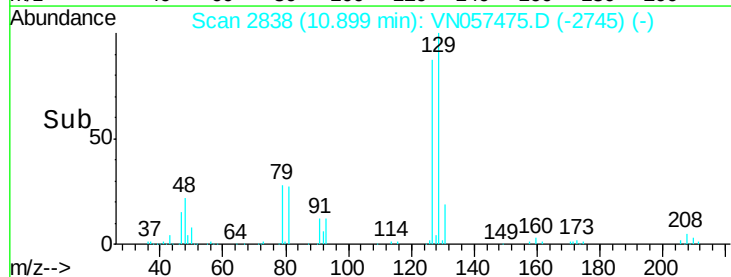
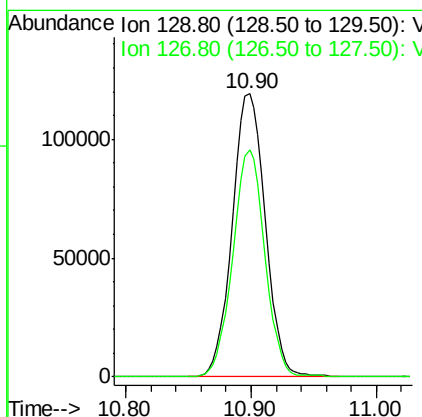
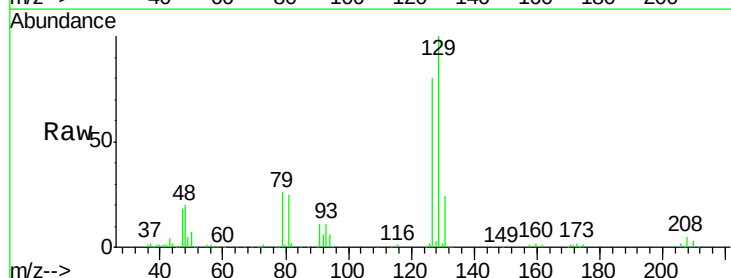
Manual Integrations
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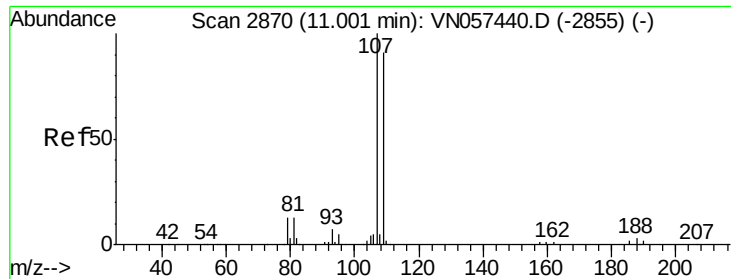
MMDadoda
8/26/2019 1:13:02 PM



#60
Dibromochloromethane
Concen: 44.250 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion: 129 Resp: 218606
Ion Ratio Lower Upper
129 100
127 77.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 45.960 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 107 Resp: 210730

Ion Ratio Lower Upper

107 100

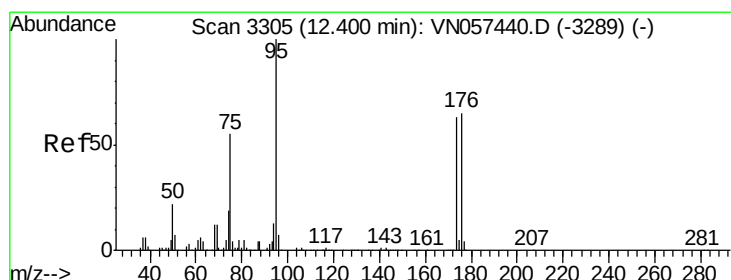
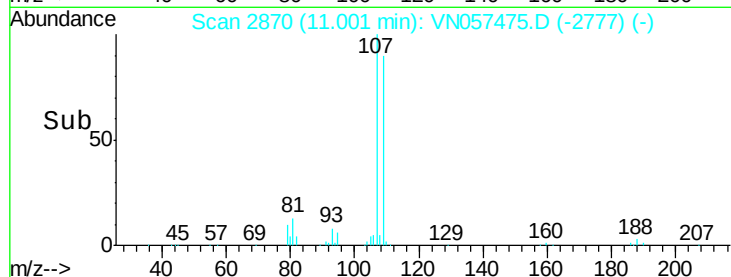
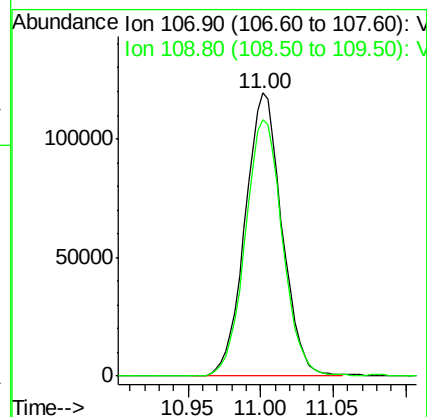
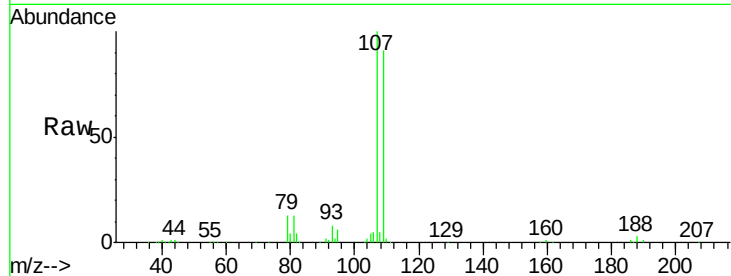
109 91.7 73.8 110.8

Manual Integrations

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8/26/2019 1:13:02 PM



#62

4-Bromofluorobenzene

Concen: 51.831 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

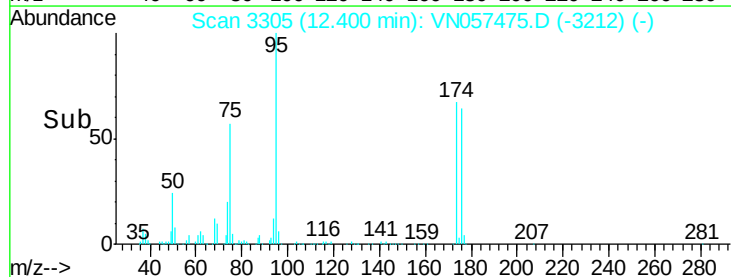
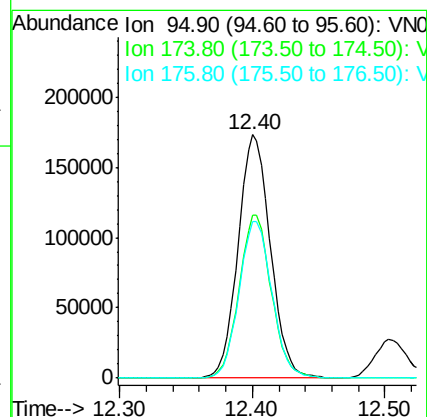
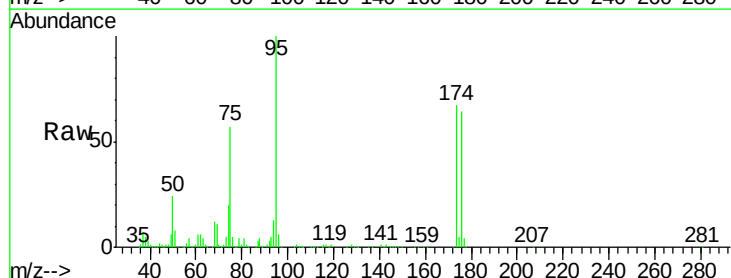
Tgt Ion: 95 Resp: 293381

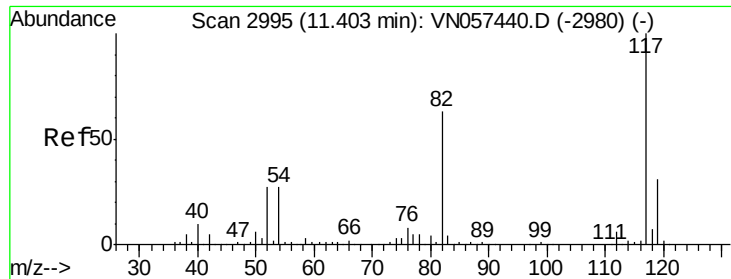
Ion Ratio Lower Upper

95 100

174 67.0 0.0 133.0

176 65.5 0.0 130.8





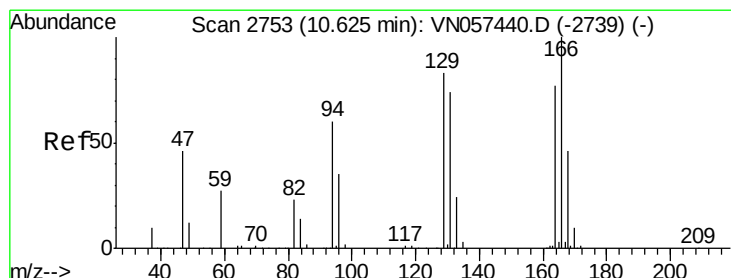
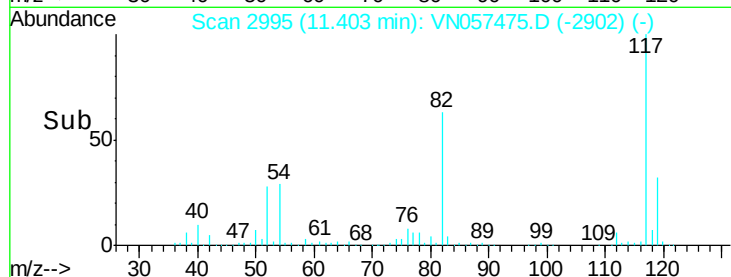
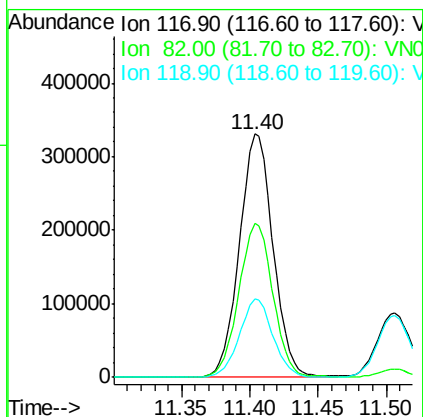
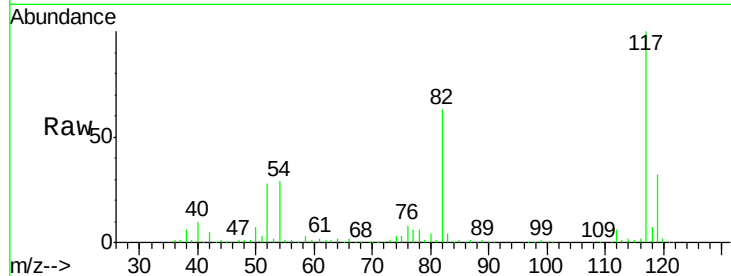
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.6	75.8
119	32.4	24.6	36.8

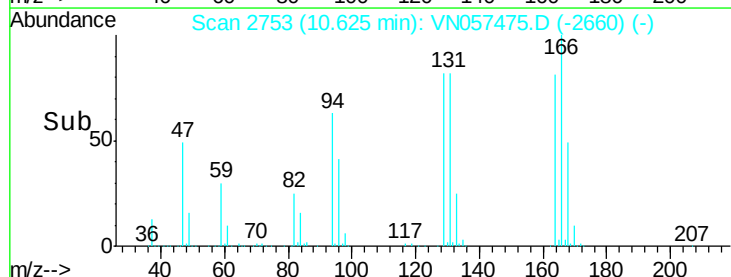
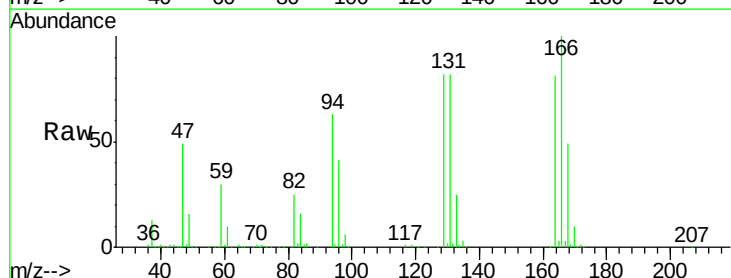
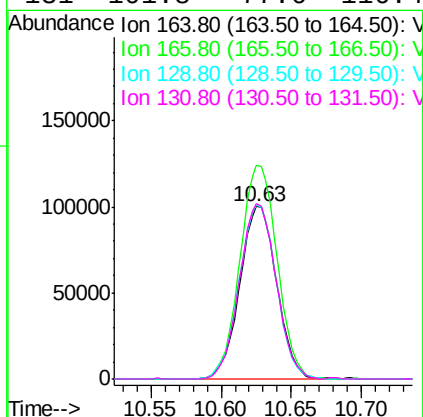
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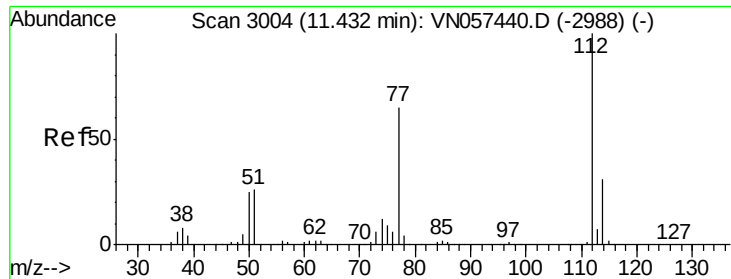
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#64
Tetrachloroethene
Concen: 46.234 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	104.4	156.6
129	101.2	86.6	130.0
131	101.8	77.6	116.4





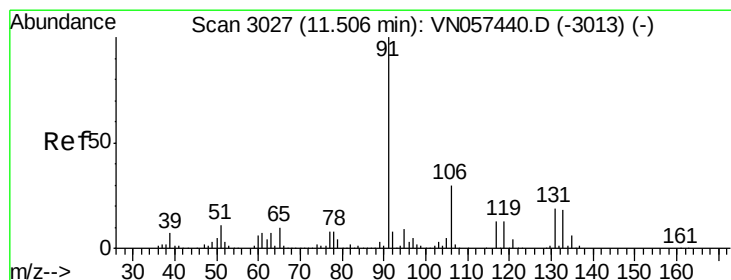
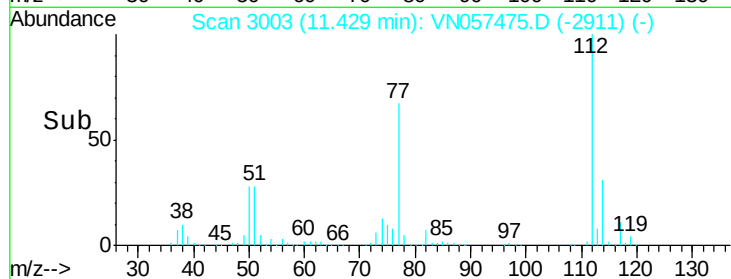
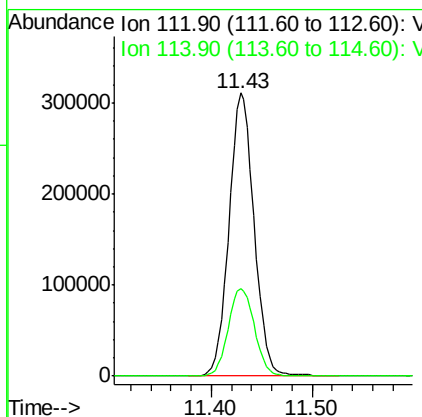
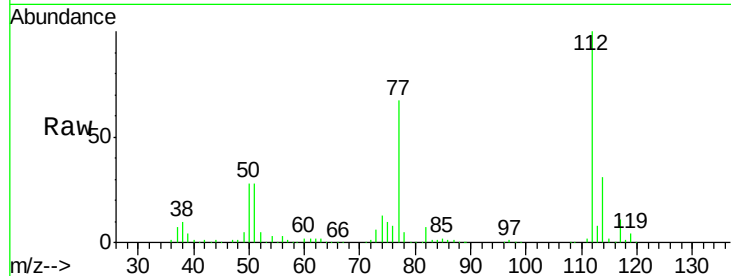
#65
Chlorobenzene
Concen: 46.817 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.8	37.2

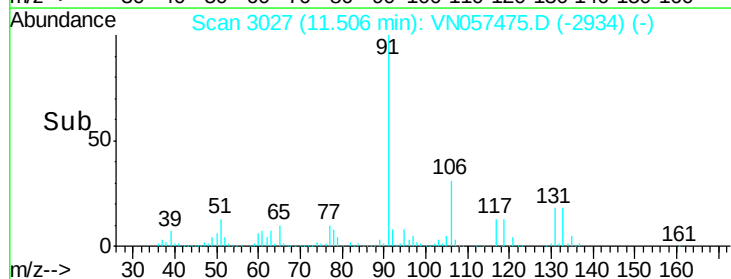
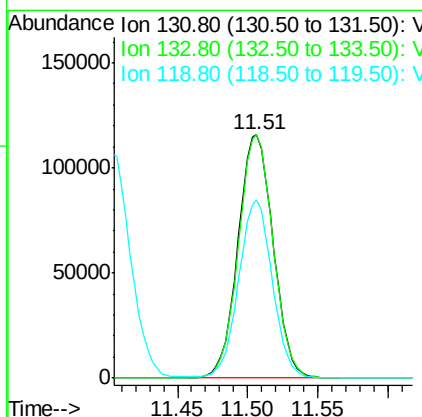
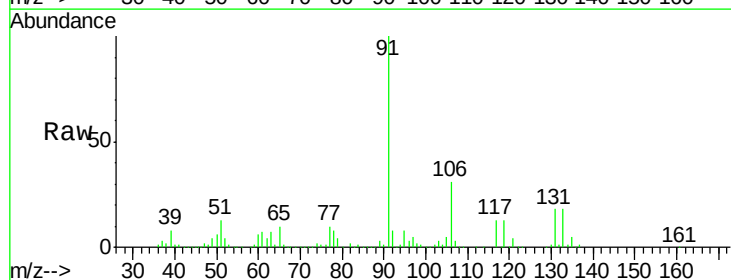
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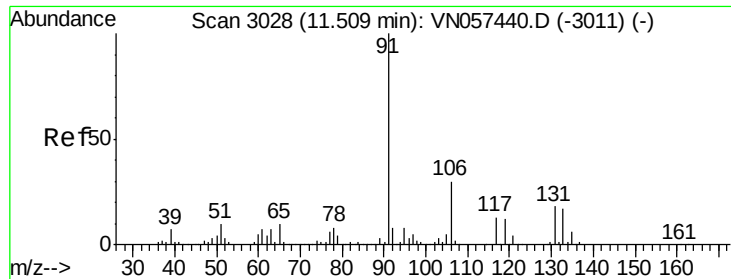
MMDadoda
8/26/2019 1:13:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.880 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.5	47.6	142.8
119	69.9	34.4	103.2





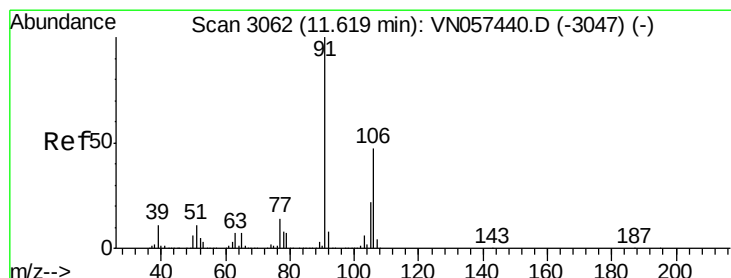
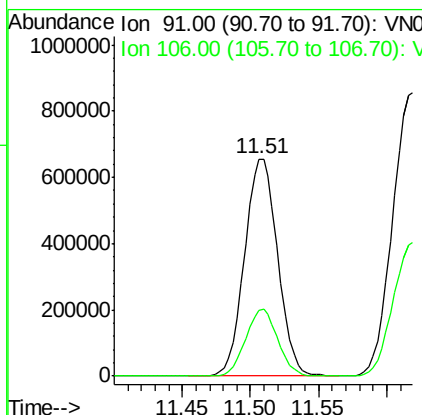
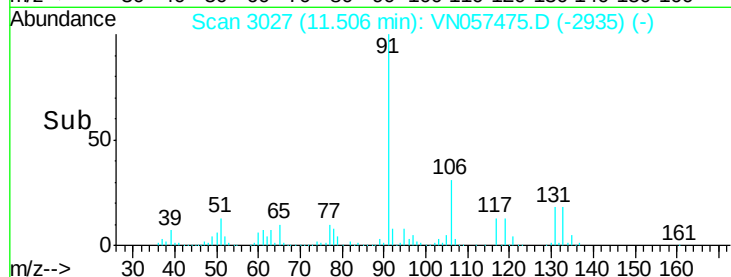
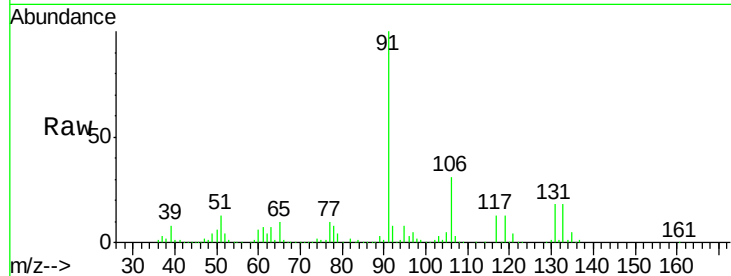
#67
Ethyl Benzene
Concen: 49.596 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1103382
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1

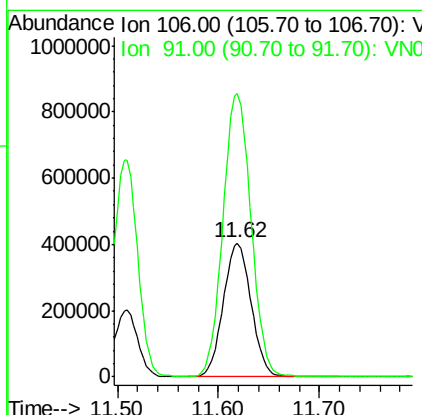
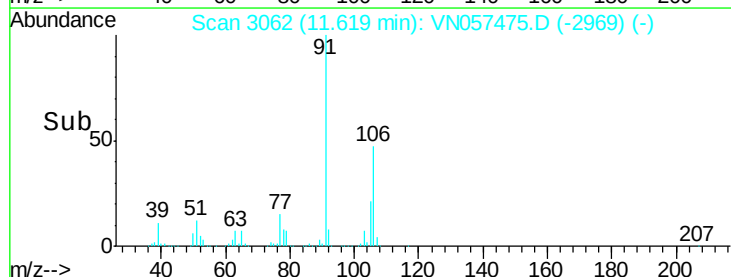
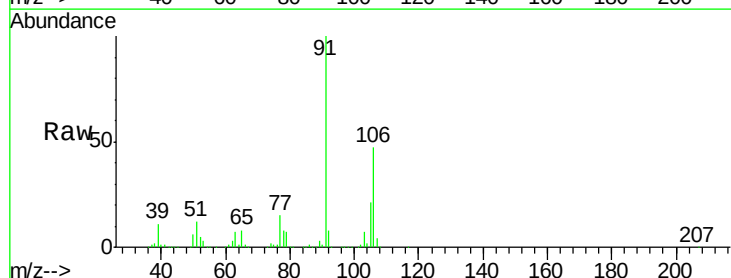
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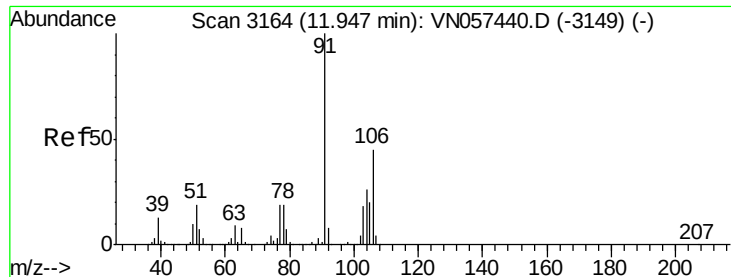
MMDadoda
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#68
m/p-Xylenes
Concen: 103.365 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion: 106 Resp: 782042
Ion Ratio Lower Upper
106 100
91 212.9 171.8 257.6





#69

o-Xylene

Concen: 50.121 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 375650

Ion Ratio Lower Upper

106 100

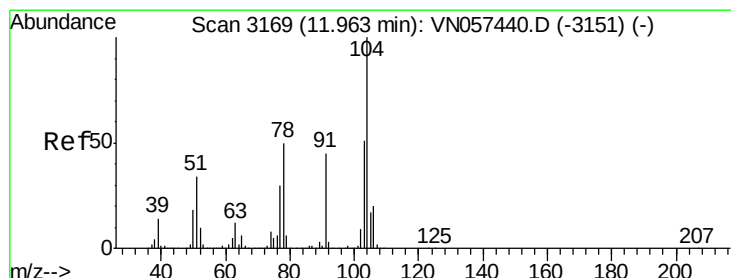
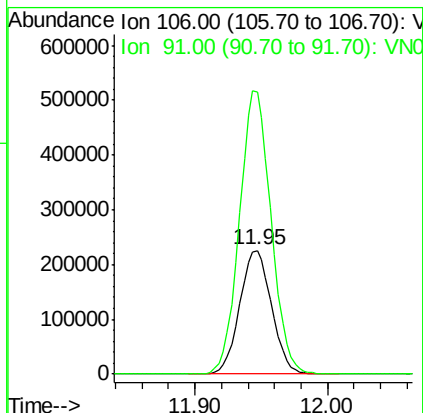
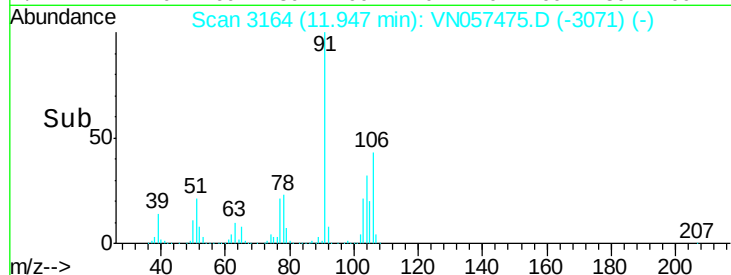
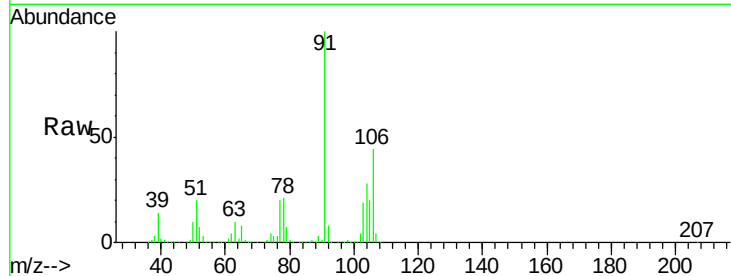
91 227.7 112.3 336.9

Manual Integrations

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8/26/2019 1:13:02 PM



#70

Styrene

Concen: 53.157 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

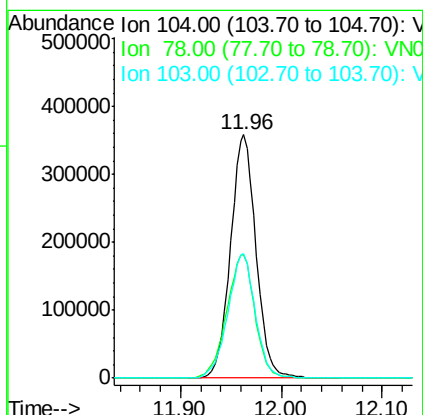
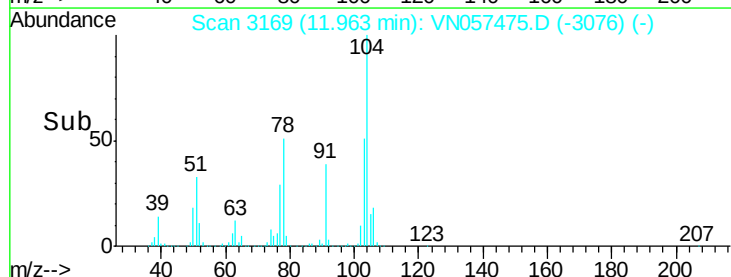
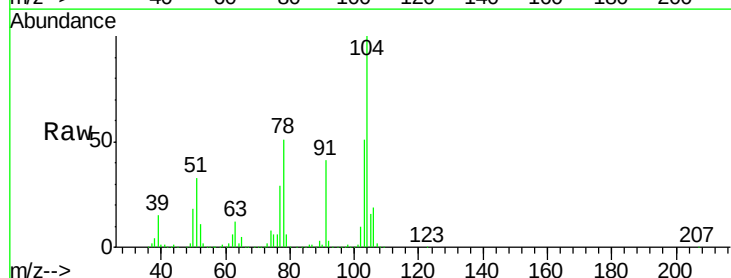
Tgt Ion:104 Resp: 630846

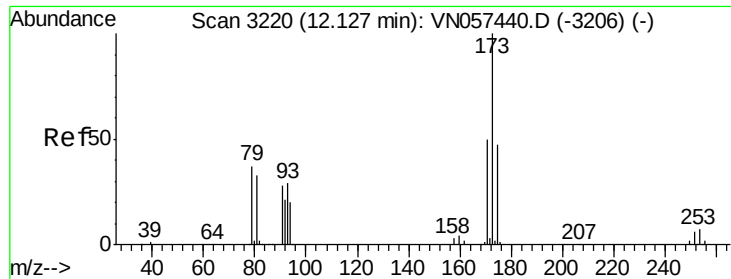
Ion Ratio Lower Upper

104 100

78 56.4 44.7 67.1

103 54.9 44.4 66.6





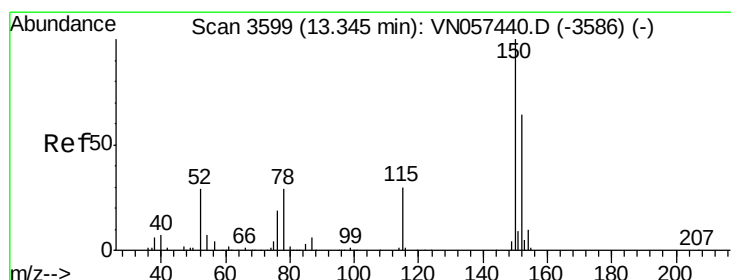
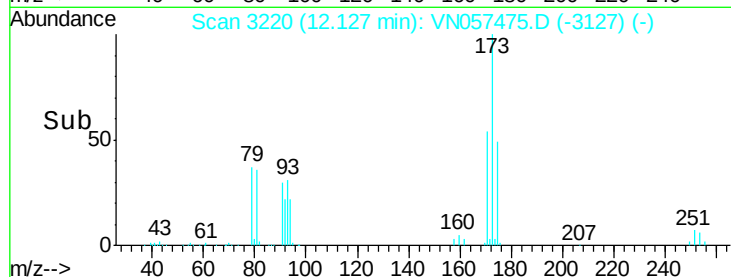
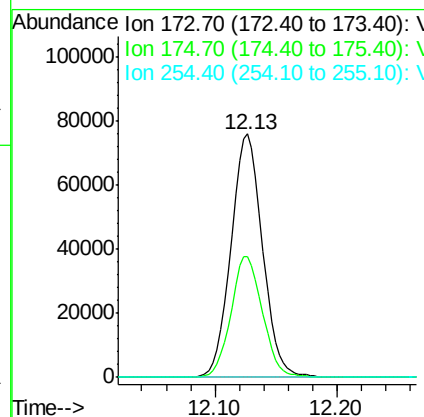
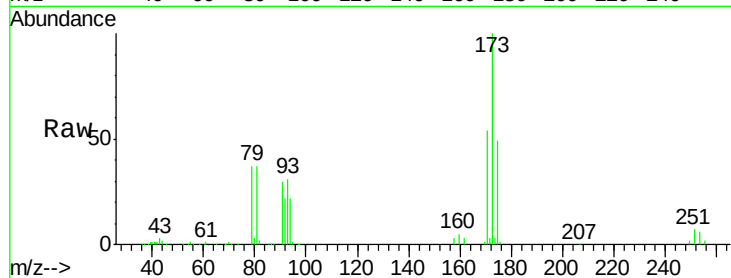
#71
Bromoform
Concen: 45.946 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.9	71.8
254	0.1	0.1	0.1#

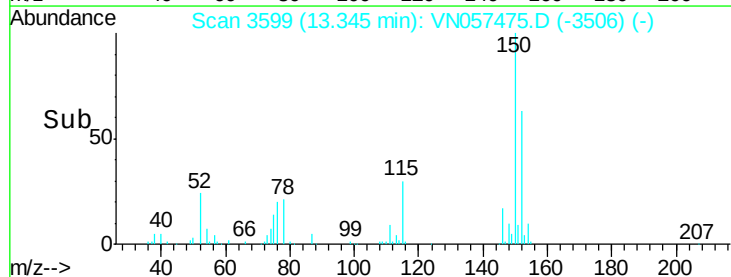
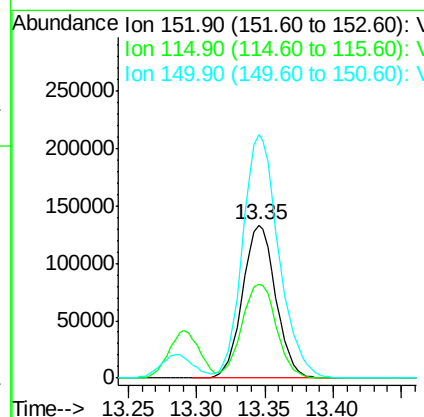
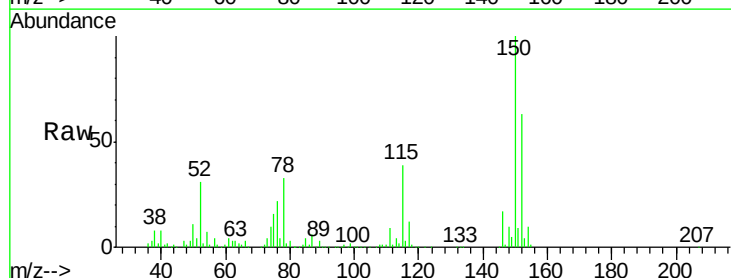
Manual Integrations
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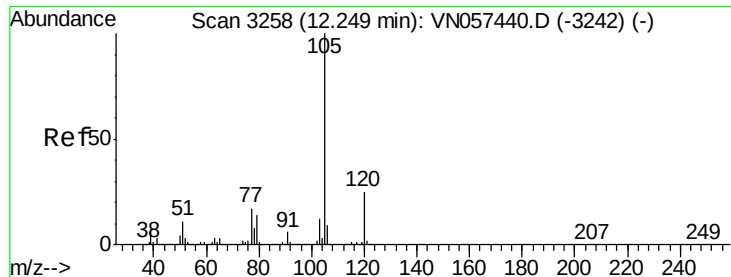
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	32.0	96.0
150	173.8	0.0	346.6





#73

Isopropylbenzene

Concen: 52.242 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1037028

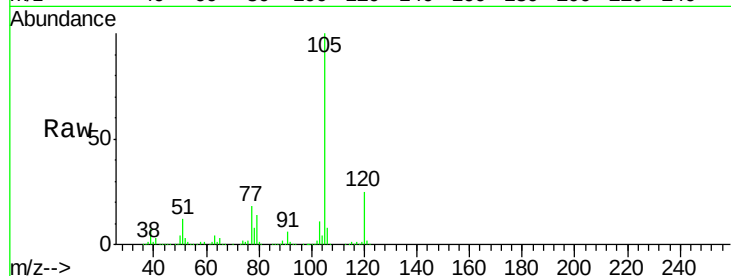
Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0

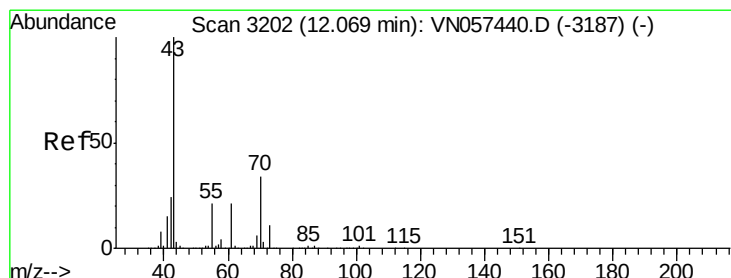
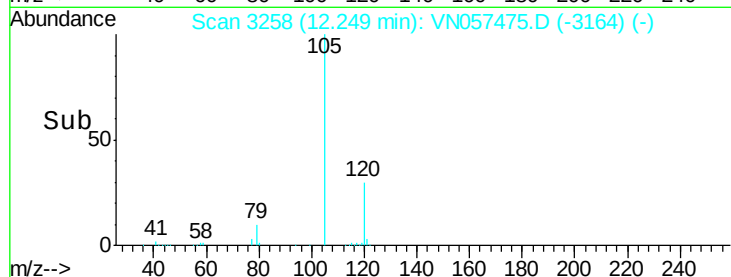
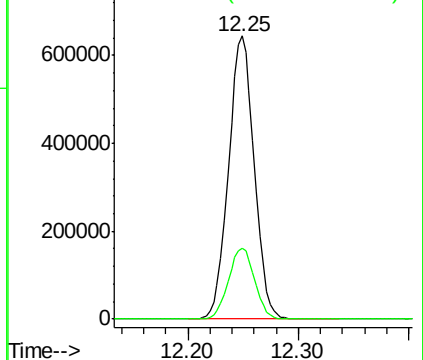
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.879 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion: 43 Resp: 467838

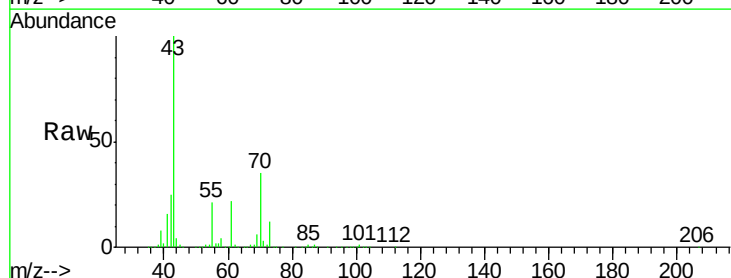
Ion Ratio Lower Upper

43 100

70 34.6 27.8 41.6

55 21.4 17.0 25.4

61 21.5 17.0 25.6

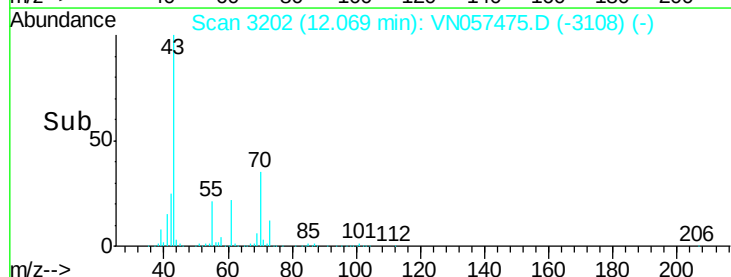
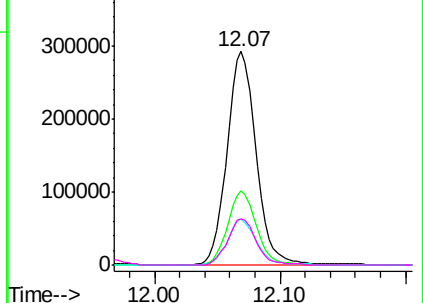


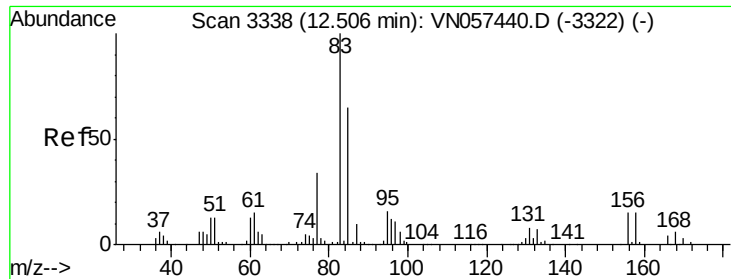
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.883 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

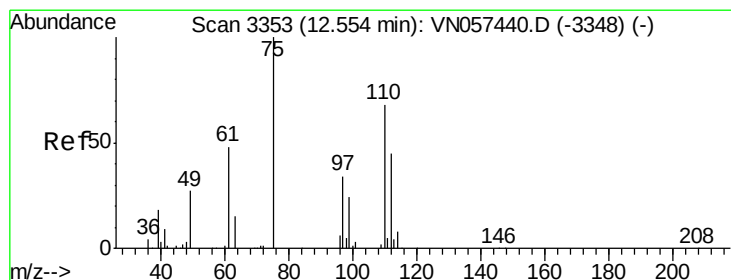
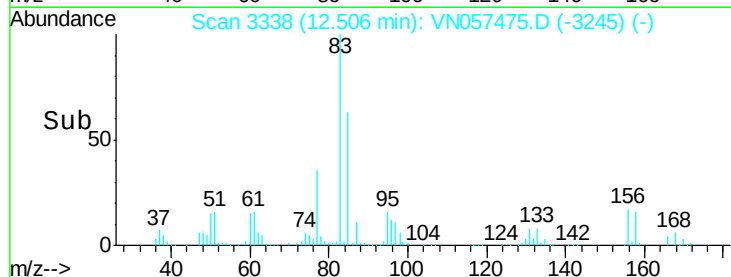
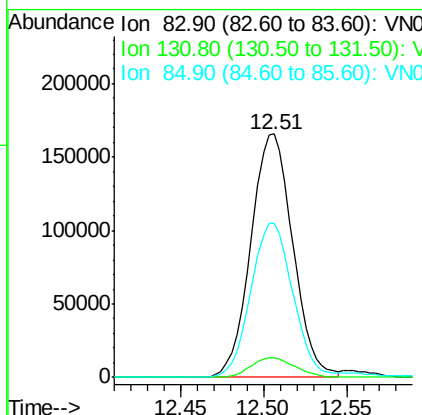
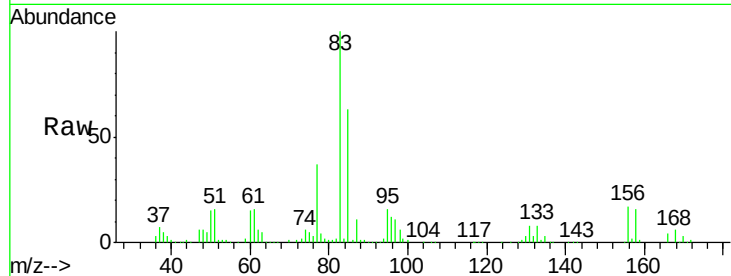
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	291439
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.3	13.1
85	63.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.725 ug/l m

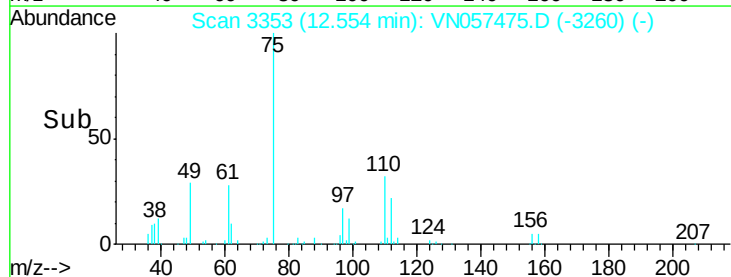
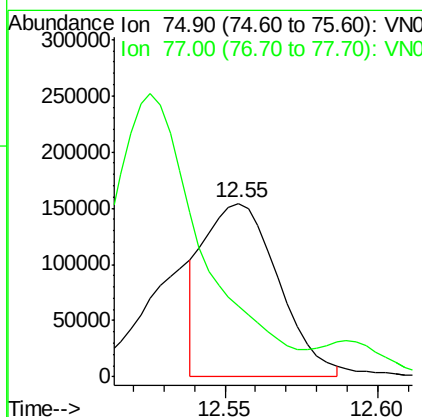
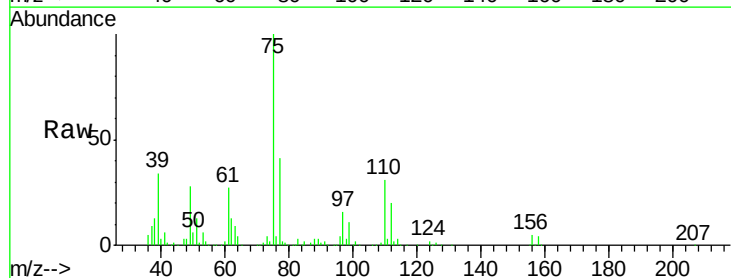
RT: 12.55 min Scan# 3353

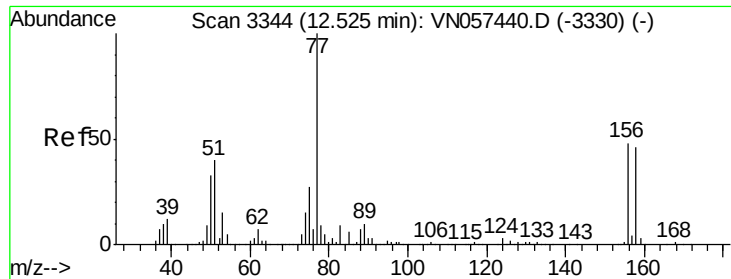
Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion:	75	Resp:	260937
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.350 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

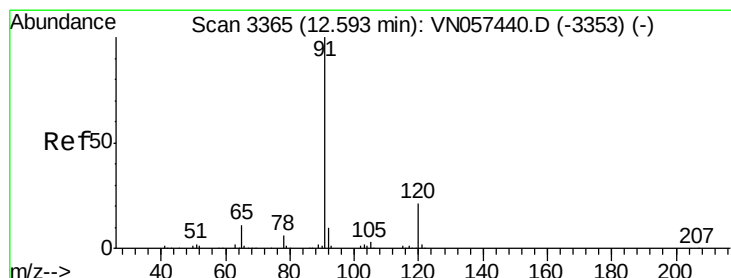
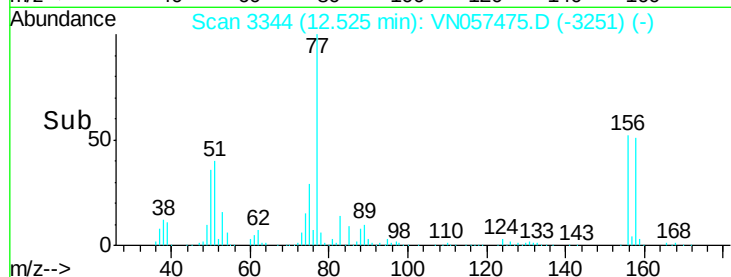
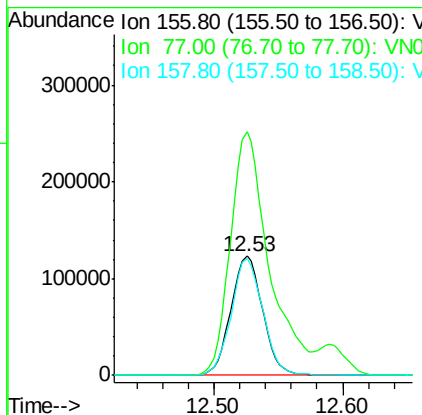
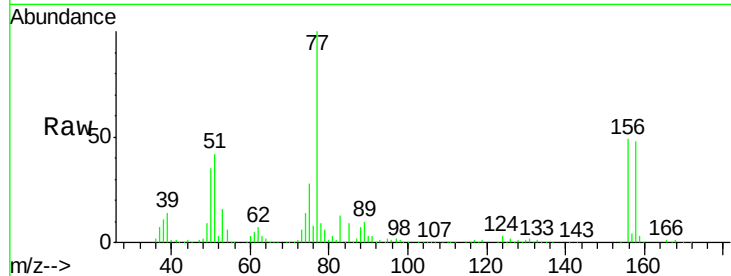
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	248.7	124.4	373.3
158	97.4	48.3	144.8

Manual Integrations
APPROVED

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#78

n-propylbenzene

Concen: 52.129 ug/l

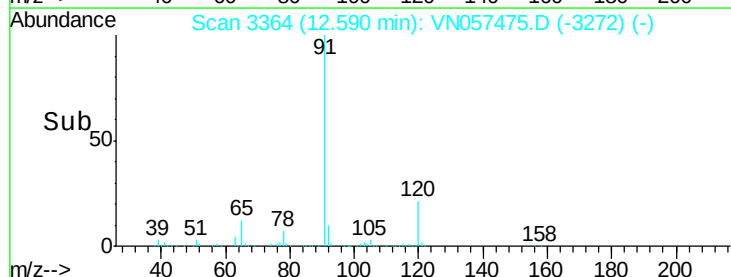
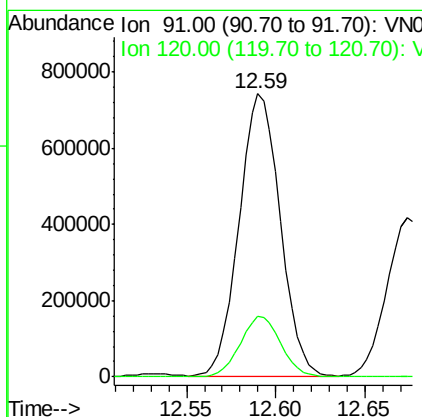
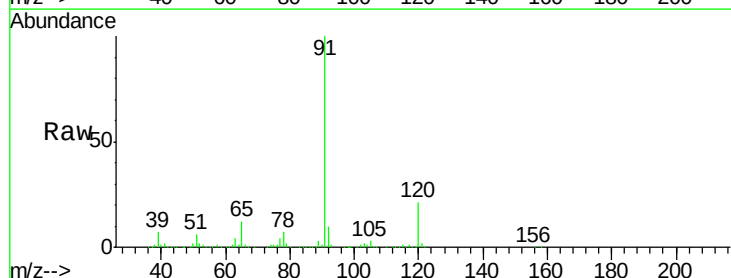
RT: 12.59 min Scan# 3364

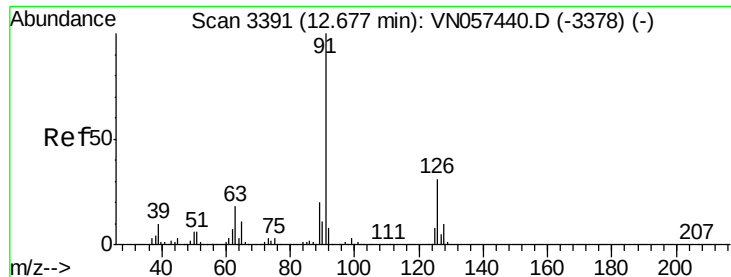
Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.7	32.1





#79

2-Chlorotoluene

Concen: 52.323 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 698722

Ion Ratio Lower Upper

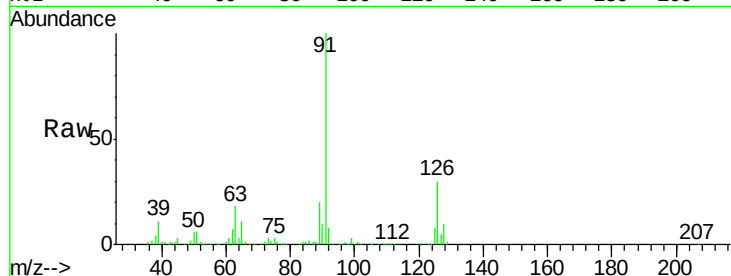
91 100

126 30.7 15.3 45.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057440.D (-3378) (-)

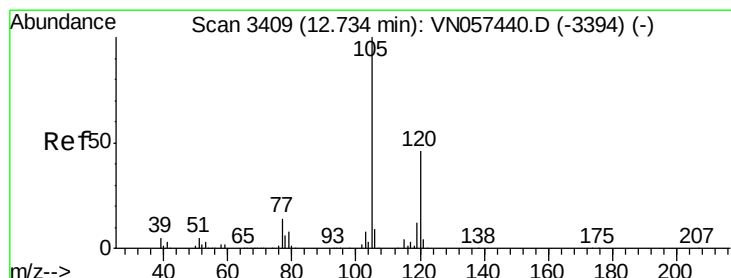
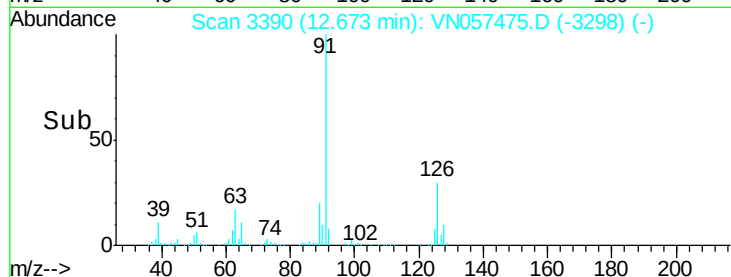
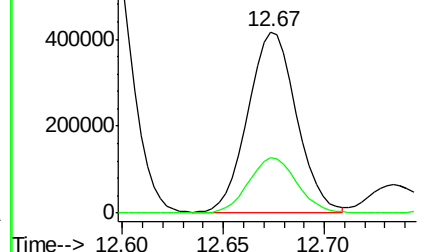
600000

400000

200000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 52.573 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057475.D

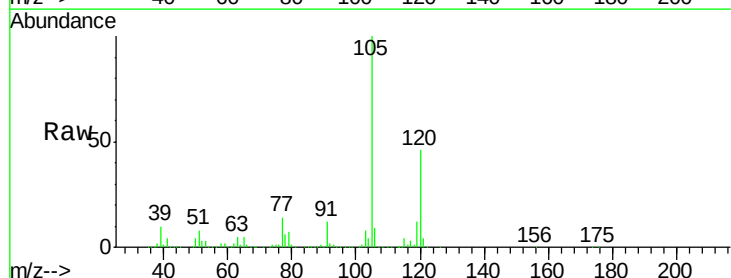
Acq: 23 Aug 2019 16:13

Tgt Ion: 105 Resp: 857562

Ion Ratio Lower Upper

105 100

120 46.3 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): VN057440.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN057440.D (-3394) (-)

600000

500000

400000

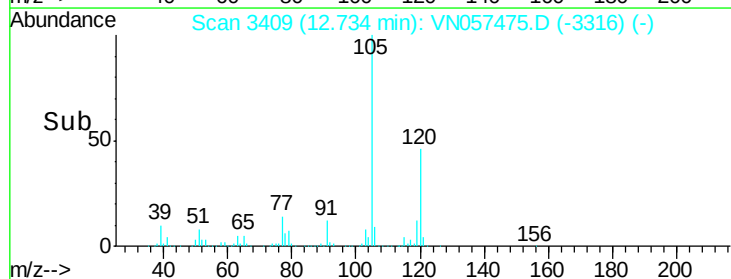
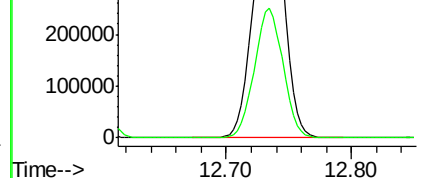
300000

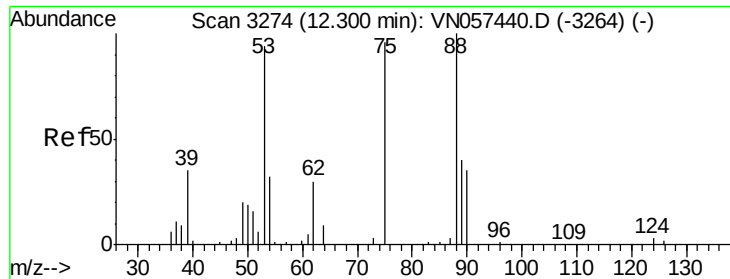
200000

100000

0

12.70 12.75 12.80





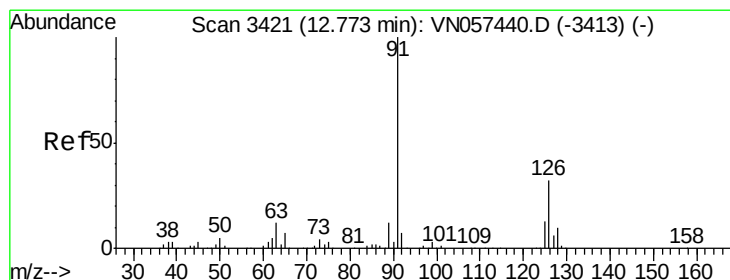
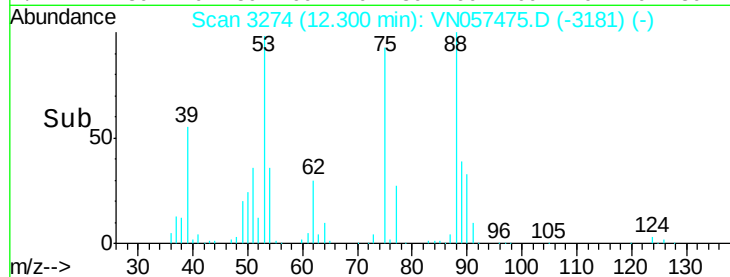
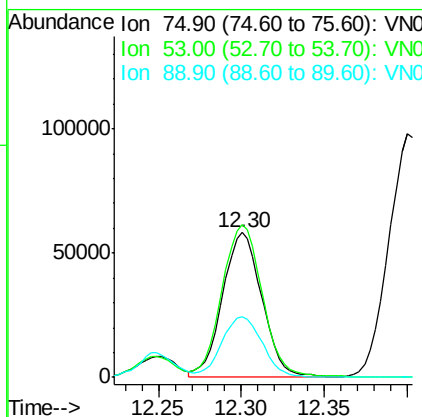
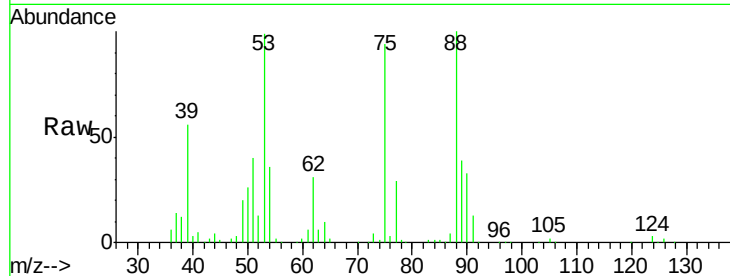
#81
trans-1,4-Dichloro-2-butene
Concen: 46.777 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.8	82.7	124.1
89	43.3	35.8	53.8

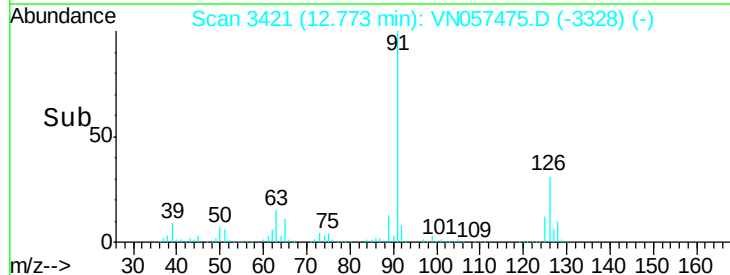
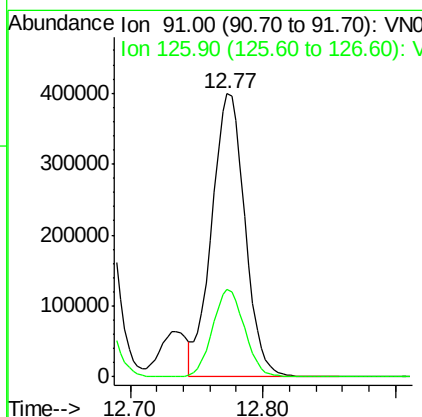
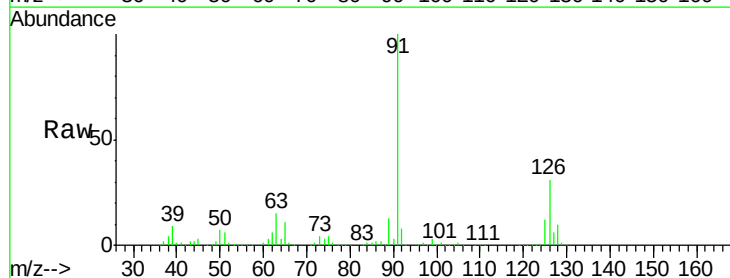
Manual Integrations
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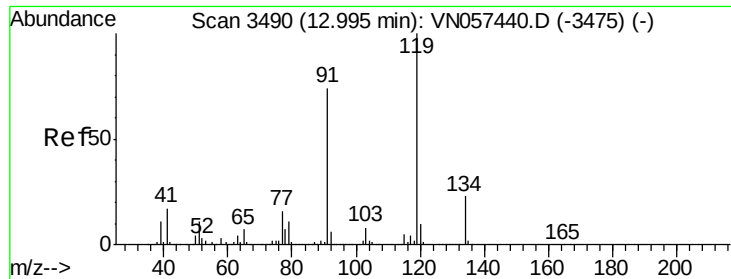
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.876 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057475.D
Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.0	45.0





#83

tert-Butylbenzene

Concen: 51.698 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

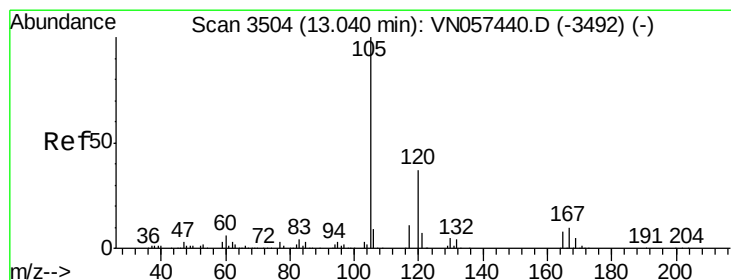
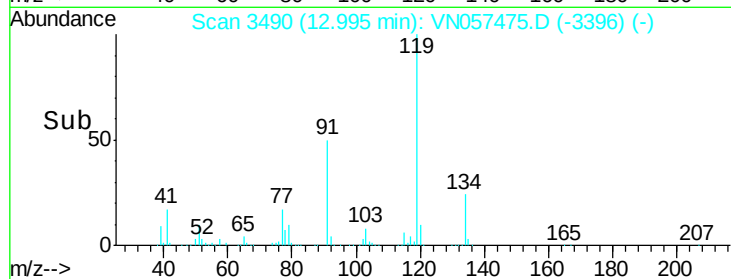
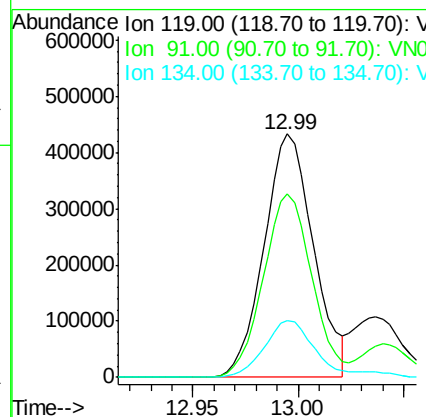
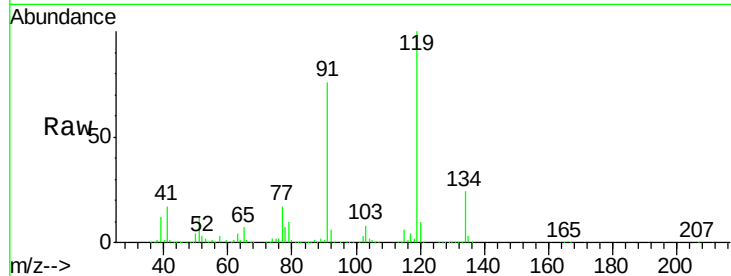
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	705407
Ion Ratio	Lower	Upper	
119	100		
91	74.6	37.0	111.0
134	25.0	12.2	36.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.902 ug/l

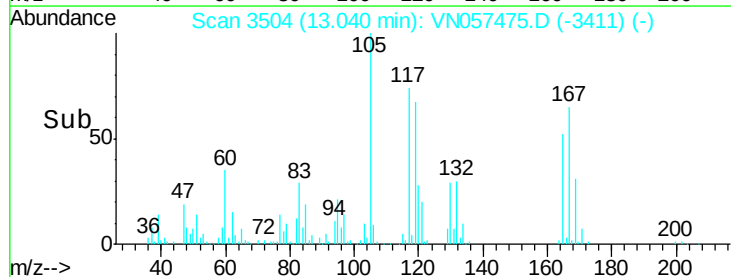
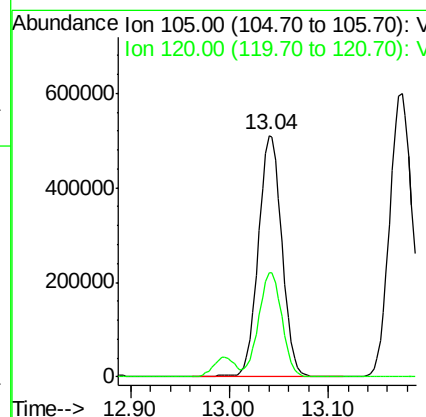
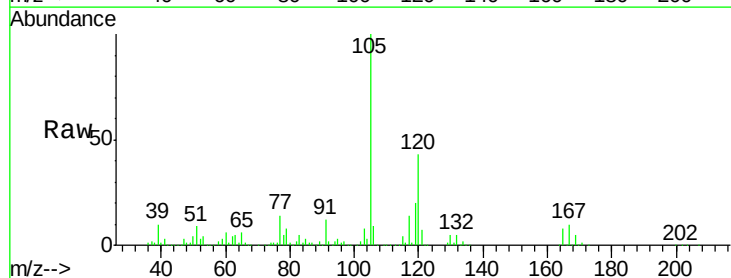
RT: 13.04 min Scan# 3504

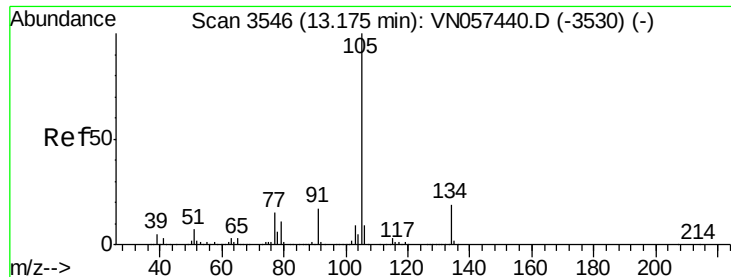
Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion:	105	Resp:	835898
Ion Ratio	Lower	Upper	
105	100		
120	43.0	21.9	65.7





#85

sec-Butylbenzene

Concen: 52.094 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 964169

Ion Ratio Lower Upper

105 100

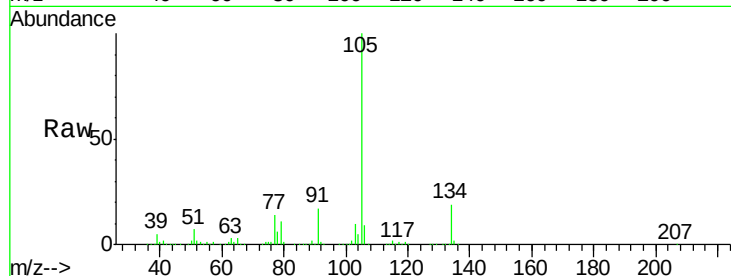
134 18.4 9.3 27.9

Manual Integrations

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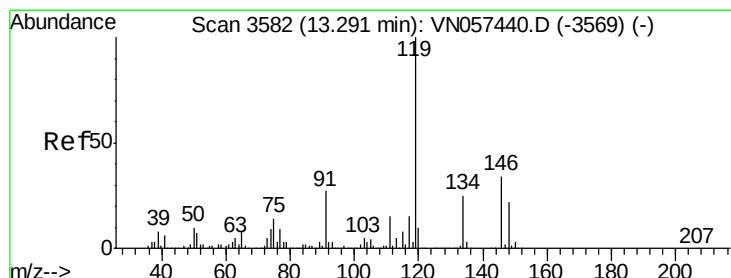
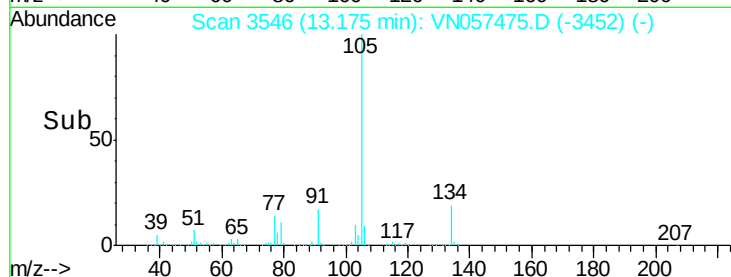
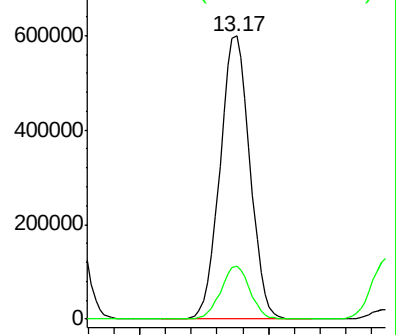
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.840 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

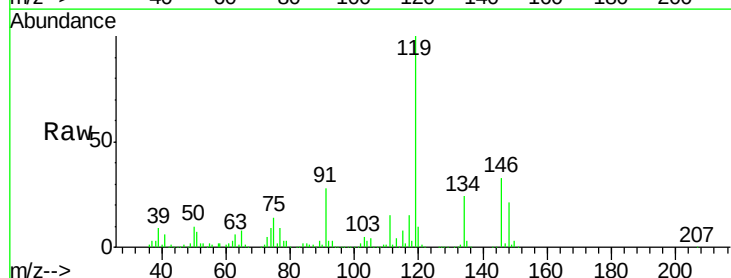
Tgt Ion:119 Resp: 821807

Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

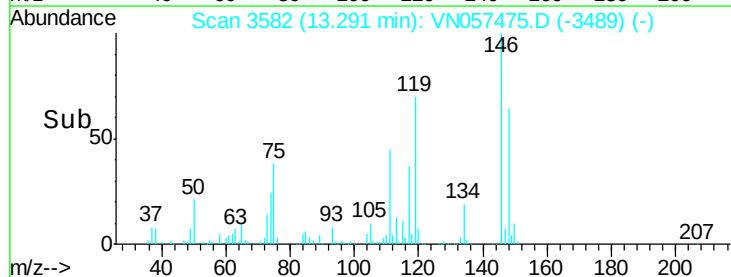
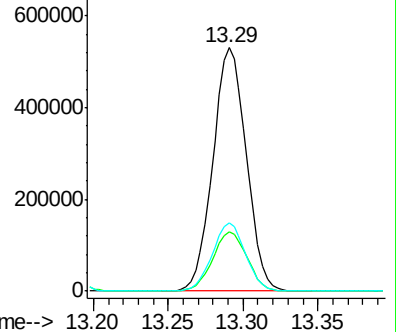
91 27.6 13.9 41.6

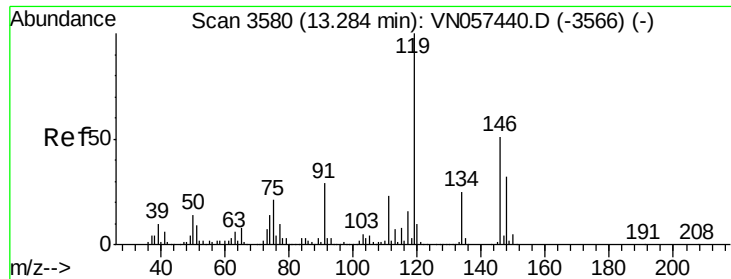


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.651 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

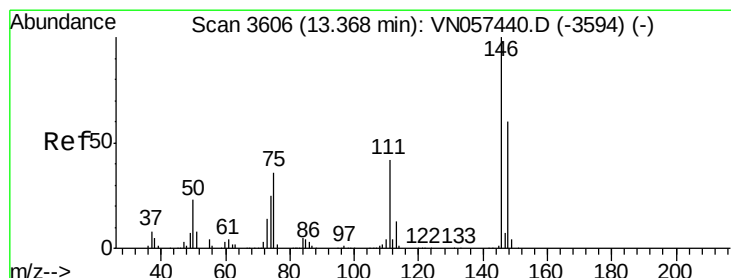
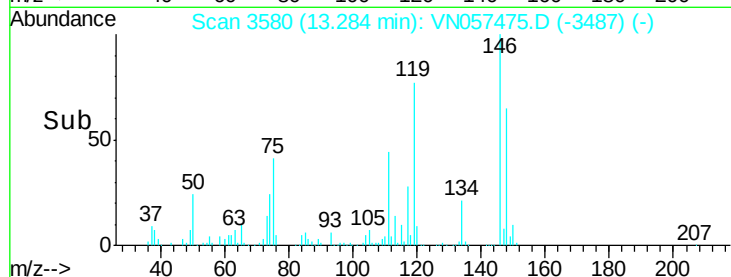
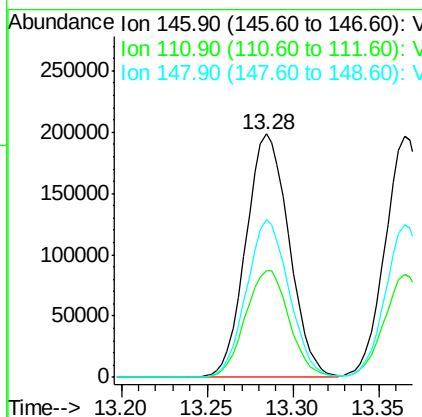
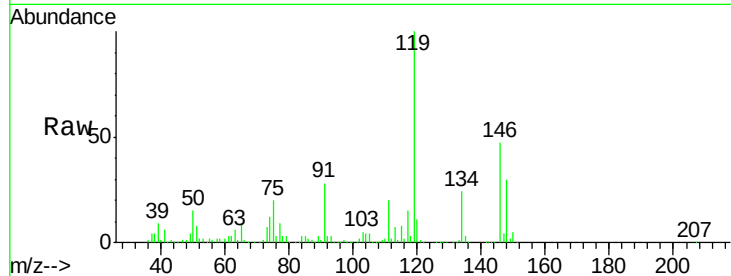
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	345479
Ion Ratio	Lower	Upper	
146	100		
111	44.4	22.1	66.1
148	63.9	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.922 ug/l

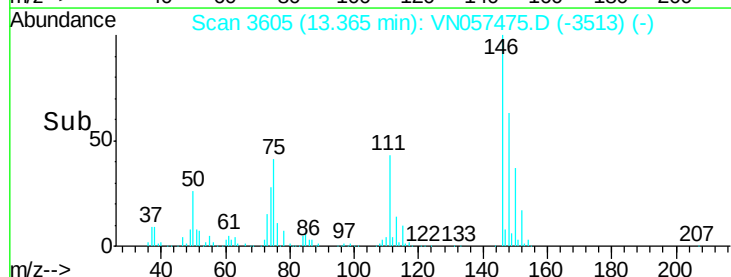
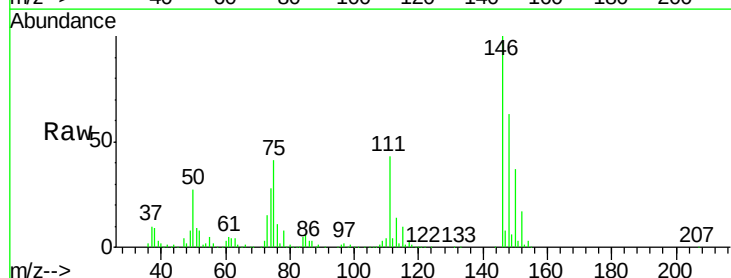
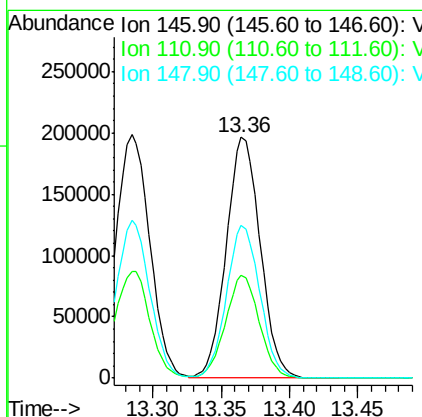
RT: 13.36 min Scan# 3605

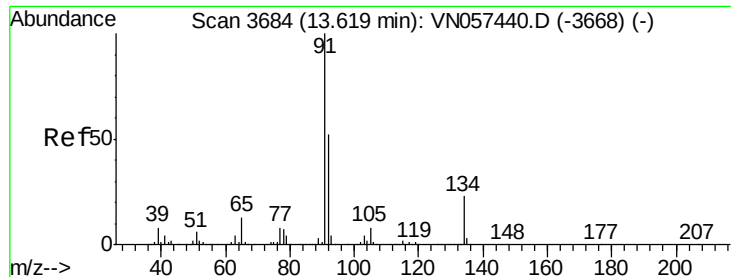
Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion:	146	Resp:	340260
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.9	65.5
148	62.4	31.1	93.2





#89

n-Butylbenzene

Concen: 49.915 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

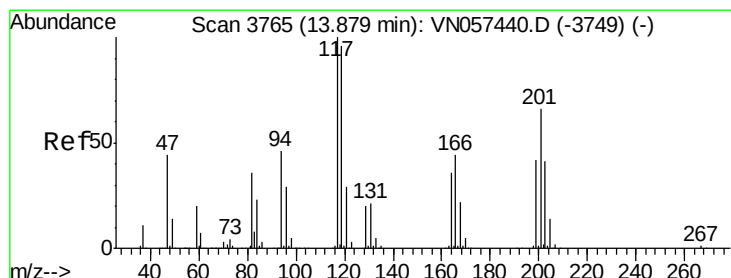
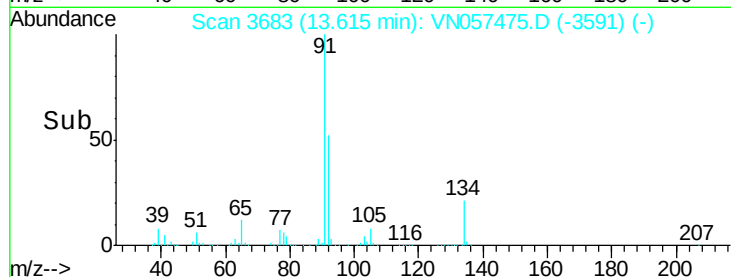
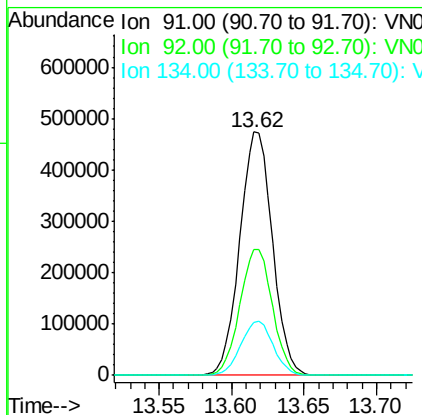
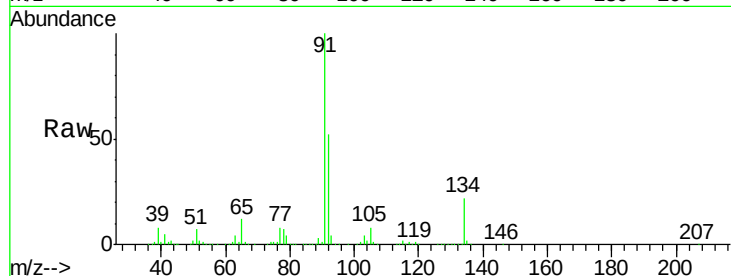
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	741096
Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.7	77.0
134	22.1	11.4	34.1

Manual Integrations
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#90

Hexachloroethane

Concen: 50.583 ug/l

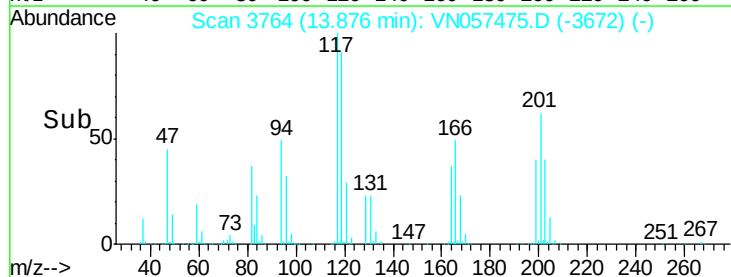
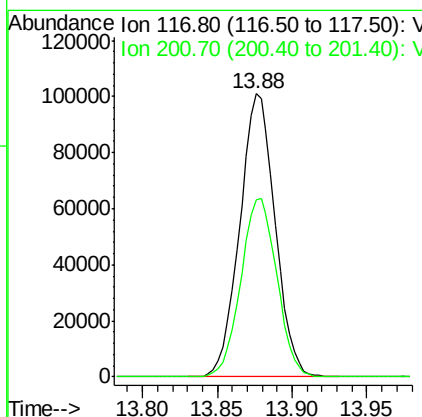
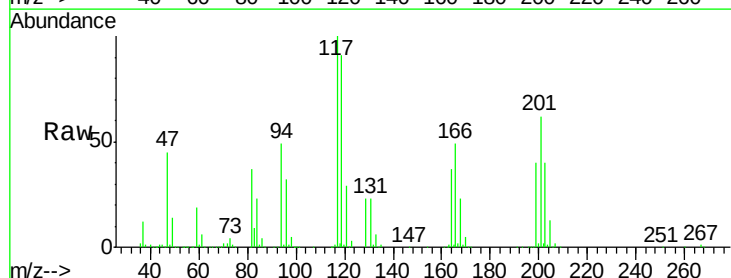
RT: 13.88 min Scan# 3764

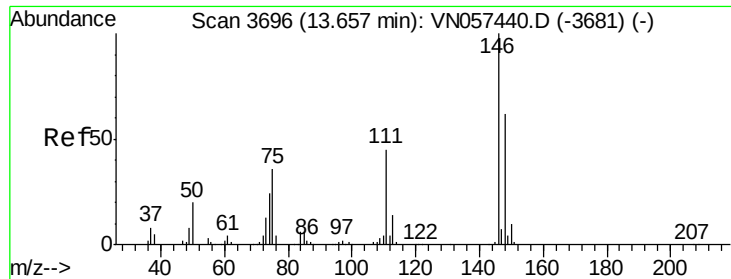
Delta R.T. -0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion:	117	Resp:	165888
Ion	Ratio	Lower	Upper
117	100		
201	64.0	33.1	99.3





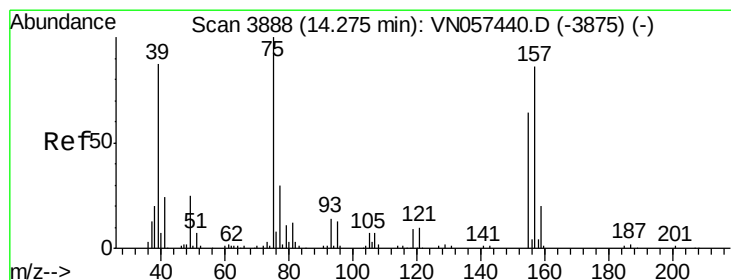
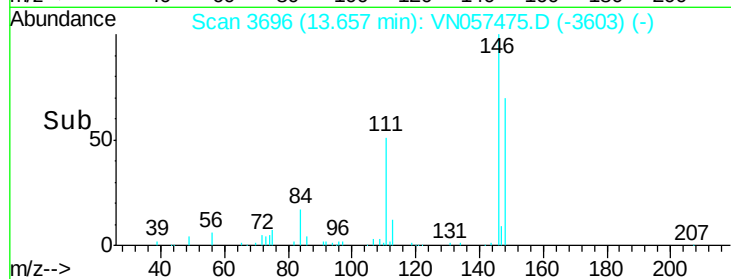
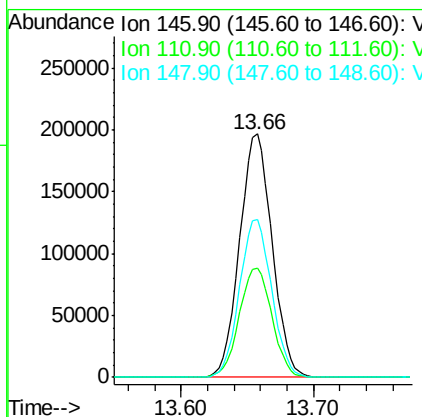
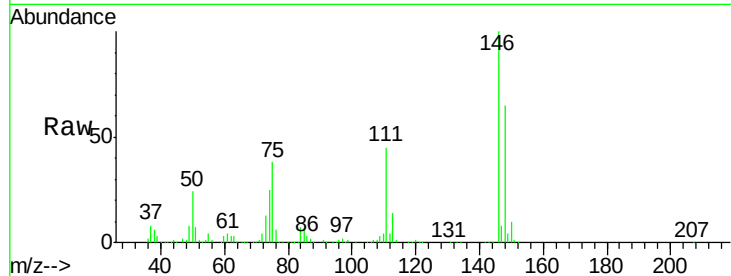
#91
 1,2-Dichlorobenzene
 Concen: 48.418 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	23.1	69.2
148	64.2	31.8	95.4

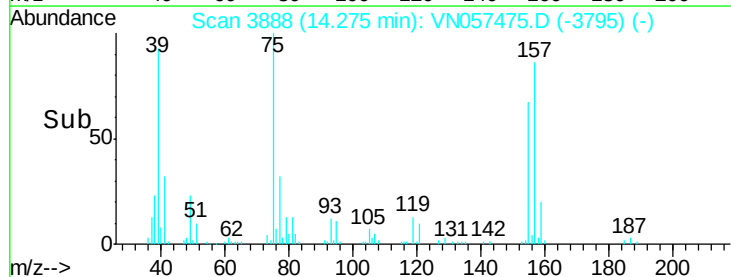
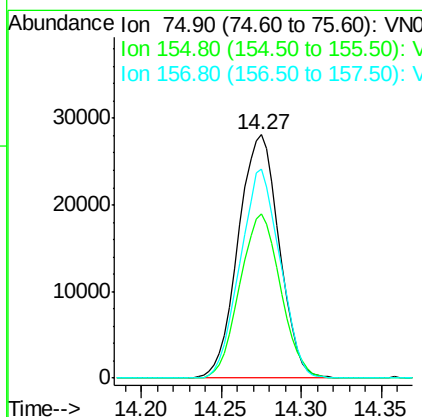
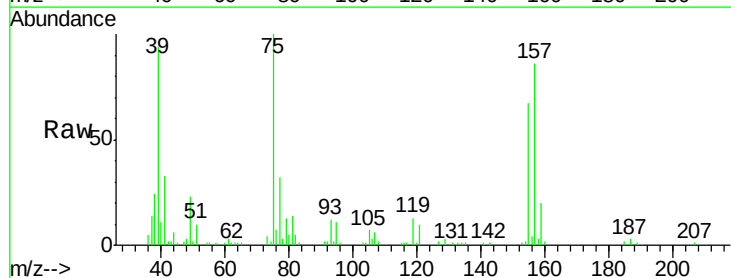
Manual Integrations
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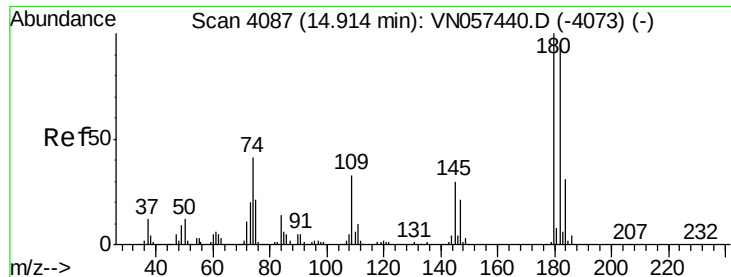
MMDadoda
 8/26/2019 1:13:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.694 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.4	31.6	94.7
157	84.1	43.3	129.8





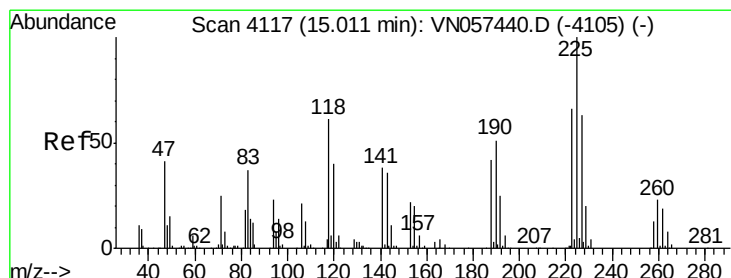
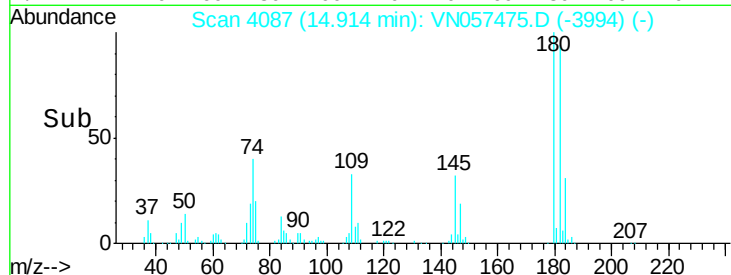
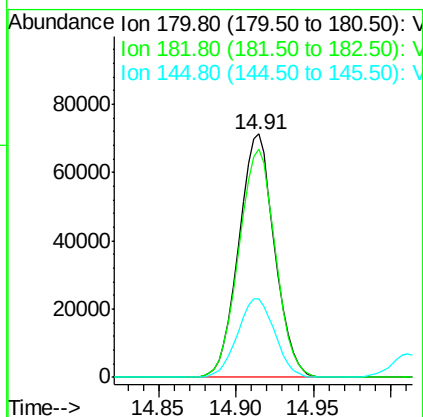
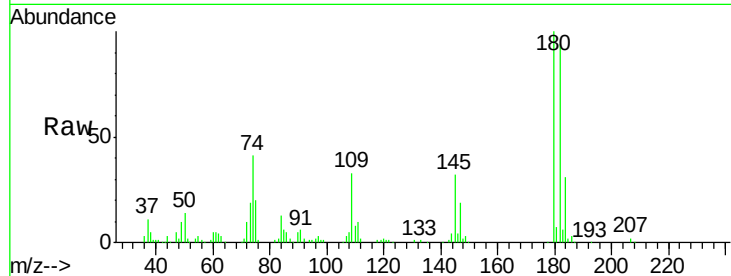
#93
 1,2,4-Trichlorobenzene
 Concen: 41.945 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114746		
182	95.8	46.7	140.1	
145	33.6	15.6	46.8	

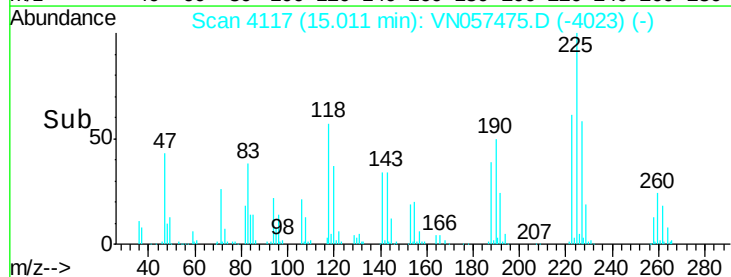
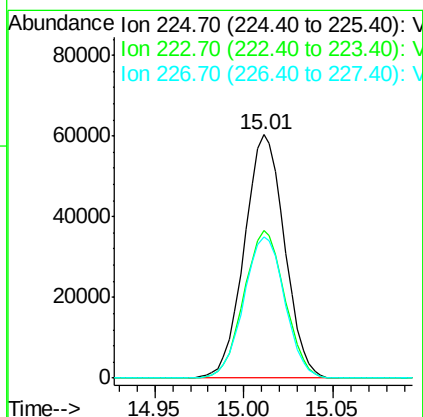
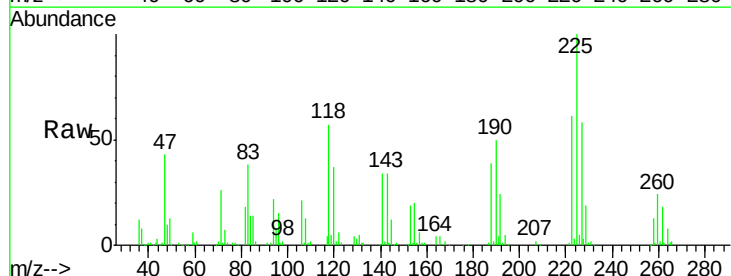
Manual Integrations
 APPROVED

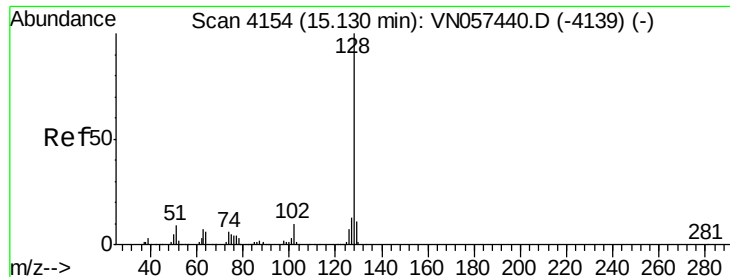
MMDadoda
 8/26/2019 1:13:02 PM



#94
 Hexachlorobutadiene
 Concen: 54.188 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057475.D
 Acq: 23 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95063		
223	61.6	32.0	96.2	
227	59.0	31.5	94.5	





#95

Naphthalene

Concen: 42.112 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Instrument :

MSVOA_N

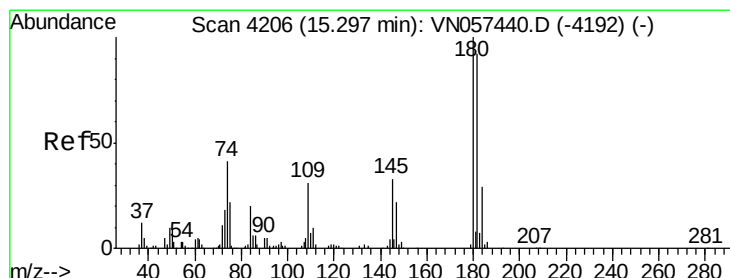
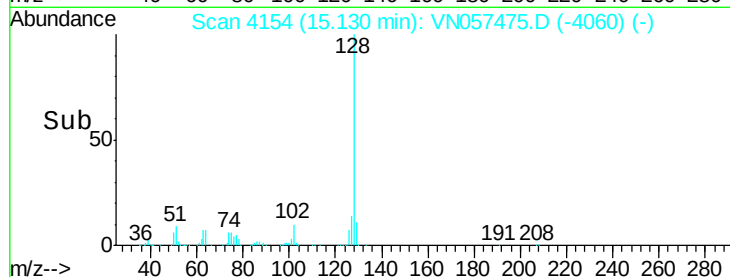
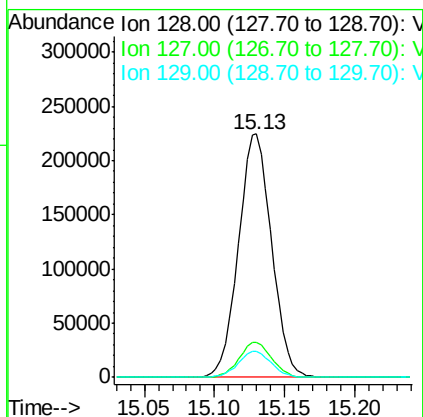
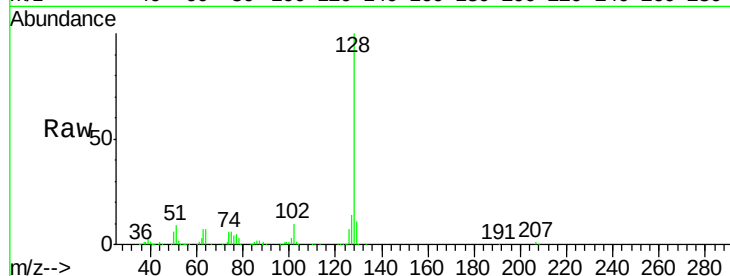
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	369342
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.5	15.7
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 1:13:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 43.716 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057475.D

Acq: 23 Aug 2019 16:13

Tgt Ion:	180	Resp:	120318
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.7	140.1
145	34.7	16.8	50.3

