

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082419\
 Data File : VN057477.D
 Acq On : 23 Aug 2019 17:29
 Operator : JC/SP
 Sample : VN0824WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:13:06 PM

Quant Time: Aug 26 05:28:46 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	346313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	634865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	547528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	172811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	333972	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.57	113	223367	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.09	98	843375	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	264753	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	80278	19.644	ug/l	94
3) Chloromethane	2.05	50	115367	19.765	ug/l	99
4) Vinyl Chloride	2.17	62	142525	20.061	ug/l	98
5) Bromomethane	2.55	94	92814	21.199	ug/l	96
6) Chloroethane	2.69	64	92326	20.203	ug/l	98
7) Trichlorofluoromethane	3.00	101	219201	19.877	ug/l	97
8) Diethyl Ether	3.39	74	82104	21.298	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	121189	21.458	ug/l	99
10) Methyl Iodide	3.92	142	86887	19.296	ug/l #	96
11) Tert butyl alcohol	4.78	59	67267	88.869	ug/l #	82
12) 1,1-Dichloroethene	3.71	96	117486	19.931	ug/l	96
13) Acrolein	3.58	56	60257	90.534	ug/l	99
14) Allyl chloride	4.29	41	154829	19.853	ug/l	98
15) Acrylonitrile	4.97	53	203282	99.586	ug/l	96
16) Acetone	3.80	43	338736	121.076	ug/l	94
17) Carbon Disulfide	4.02	76	203082	18.061	ug/l	99
18) Methyl Acetate	4.30	43	122183	19.658	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	267866	18.825	ug/l	96
20) Methylene Chloride	4.52	84	85020	20.452	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	76519	18.395	ug/l	95
22) Diisopropyl ether	5.93	45	335234	20.044	ug/l	98
23) Vinyl Acetate	5.87	43	1247599	95.506	ug/l	100
24) 1,1-Dichloroethane	5.82	63	173803	19.609	ug/l	97
25) 2-Butanone	6.82	43	287233	94.548	ug/l	97
26) 2,2-Dichloropropane	6.81	77	144918	18.880	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94556	19.176	ug/l	100
28) Bromochloromethane	7.18	49	103462	21.676	ug/l	93
29) Tetrahydrofuran	7.20	42	193481	96.585	ug/l	98
30) Chloroform	7.36	83	167095	20.362	ug/l	99
31) Cyclohexane	7.63	56	171728	20.067	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	142532	18.746	ug/l	98
36) 1,1-Dichloropropene	7.78	75	122229	18.842	ug/l	99
37) Ethyl Acetate	6.91	43	121387	18.937	ug/l	99
38) Carbon Tetrachloride	7.75	117	114694	17.797	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151441	19.656	ug/l	97
40) Benzene	8.03	78	371310	19.070	ug/l	97
41) Methacrylonitrile	7.16	41	55058	18.013	ug/l	99
42) 1,2-Dichloroethane	8.11	62	146711	19.570	ug/l	99
43) Isopropyl Acetate	8.16	43	216835	18.448	ug/l	100
44) Trichloroethene	8.82	130	83616	19.239	ug/l	99
45) 1,2-Dichloropropane	9.11	63	105128	19.172	ug/l	96
46) Dibromomethane	9.20	93	61859	19.014	ug/l	99
47) Bromodichloromethane	9.40	83	130074	17.980	ug/l	99
48) Methyl methacrylate	9.19	41	107435	19.222	ug/l	100
49) 1,4-Dioxane	9.19	88	26248	363.168	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	619783	94.616	ug/l	99
52) Toluene	10.15	92	217577	19.389	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	134526	17.753	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	153939	18.246	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	83498	18.399	ug/l	96
56) Ethyl methacrylate	10.43	69	132443	18.553	ug/l	97
57) 1,3-Dichloropropane	10.70	76	151041	19.123	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	236010	127.667	ug/l	97
59) 2-Hexanone	10.75	43	426268	94.876	ug/l	98
60) Dibromochloromethane	10.90	129	86679	18.074	ug/l	98
61) 1,2-Dibromoethane	11.00	107	83736	18.813	ug/l	100
64) Tetrachloroethene	10.63	164	76179	19.887	ug/l	93
65) Chlorobenzene	11.43	112	209200	18.901	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	79319	18.686	ug/l	98
67) Ethyl Benzene	11.51	91	406826	18.990	ug/l	99
68) m/p-Xylenes	11.62	106	274716	37.707	ug/l	100
69) o-Xylene	11.95	106	139476	19.325	ug/l	99
70) Styrene	11.96	104	215025	18.815	ug/l	98
71) Bromoform	12.13	173	47466	16.542	ug/l #	99
73) Isopropylbenzene	12.25	105	367220	21.711	ug/l	99
74) N-amyl acetate	12.07	43	172703	22.024	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	111297	23.136	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	105052m	25.644	ug/l	
77) Bromobenzene	12.53	156	74168	21.668	ug/l	99
78) n-propylbenzene	12.59	91	398390	21.244	ug/l	97
79) 2-Chlorotoluene	12.67	91	238580	21.310	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	298869	21.785	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32255	18.815	ug/l	97
82) 4-Chlorotoluene	12.77	91	221024	20.343	ug/l	99
83) tert-Butylbenzene	12.99	119	257202	22.138	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	286566	21.330	ug/l	97
85) sec-Butylbenzene	13.17	105	327425	21.419	ug/l	100
86) p-Isopropyltoluene	13.29	119	269629	19.961	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	110532	19.802	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	103674	18.965	ug/l	96
89) n-Butylbenzene	13.62	91	230974	20.206	ug/l	99
90) Hexachloroethane	13.88	117	53914	19.139	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	109016	20.459	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15140	18.015	ug/l	93

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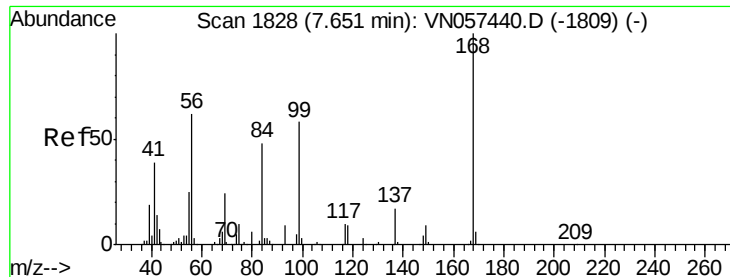
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	29259	17.485	ug/l	96
94) Hexachlorobutadiene	15.01	225	34269	23.537	ug/l	99
95) Naphthalene	15.13	128	96729	17.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	32194	18.531	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion:168 Resp: 346313

Ion Ratio Lower Upper

168 100

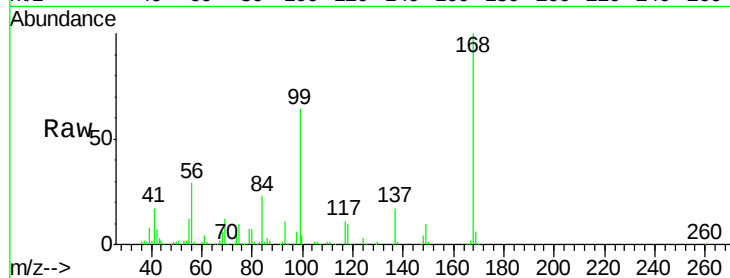
99 63.6 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

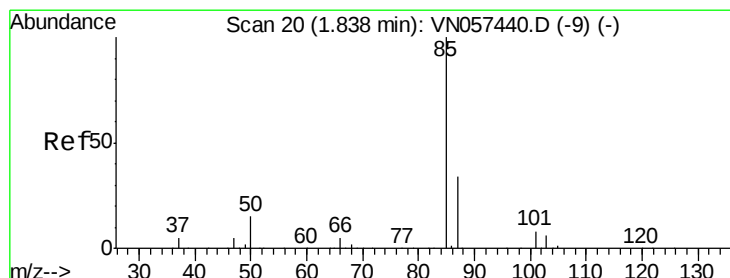
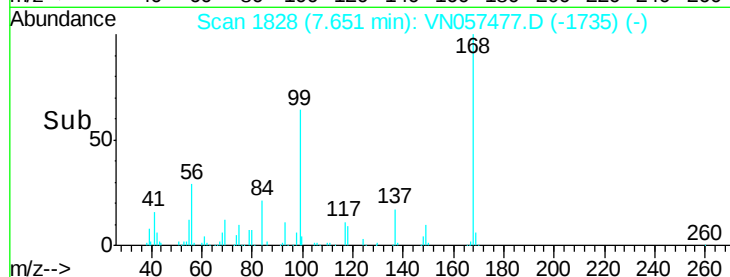
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.644 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057477.D

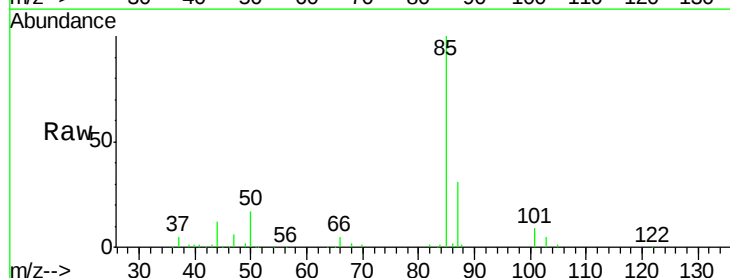
Acq: 23 Aug 2019 17:29

Tgt Ion: 85 Resp: 80278

Ion Ratio Lower Upper

85 100

87 30.9 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

60000

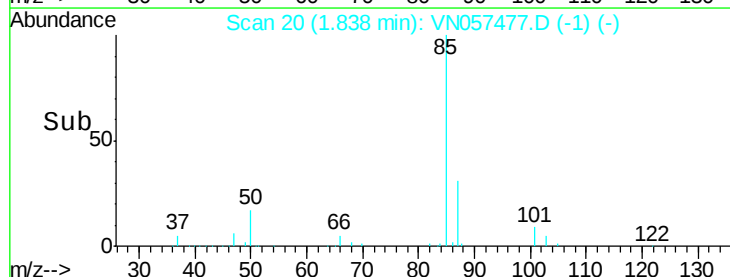
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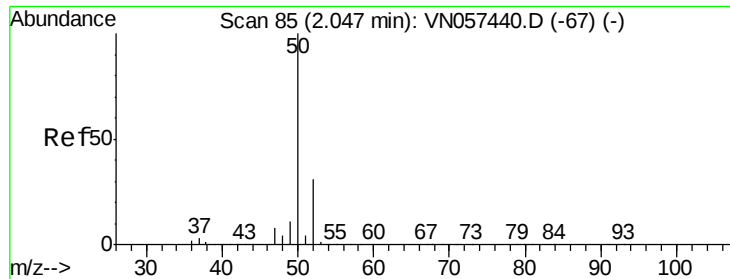
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.765 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 50 Resp: 115367

Ion Ratio Lower Upper

50 100

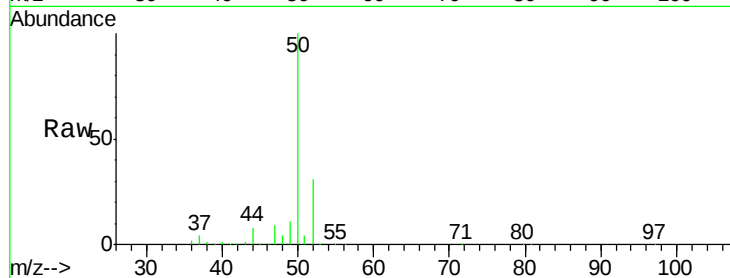
52 31.1 25.1 37.7

Manual Integrations

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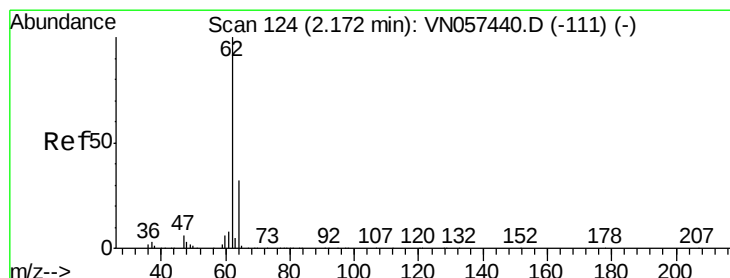
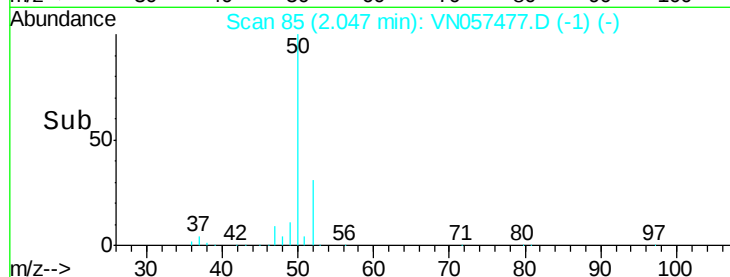
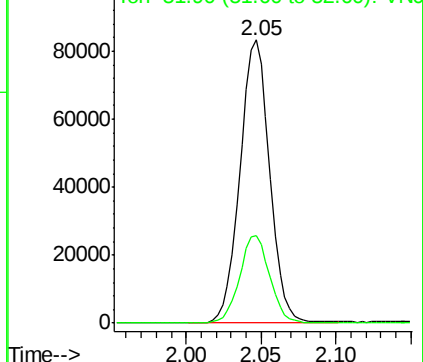
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.061 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057477.D

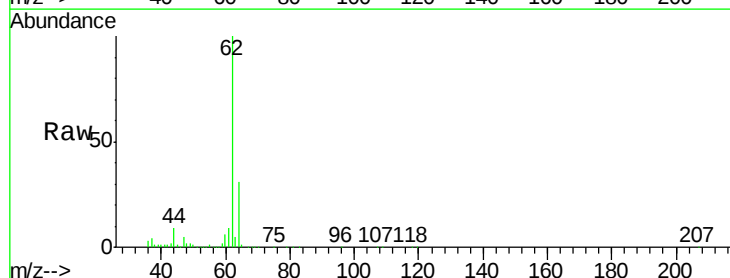
Acq: 23 Aug 2019 17:29

Tgt Ion: 62 Resp: 142525

Ion Ratio Lower Upper

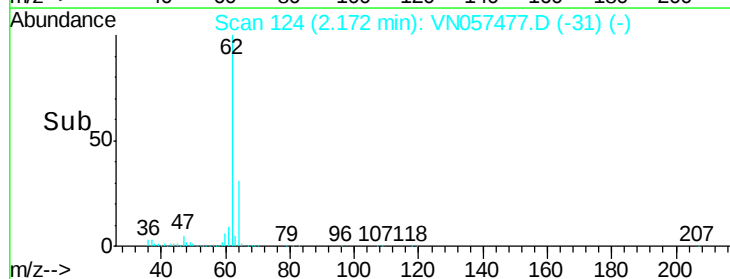
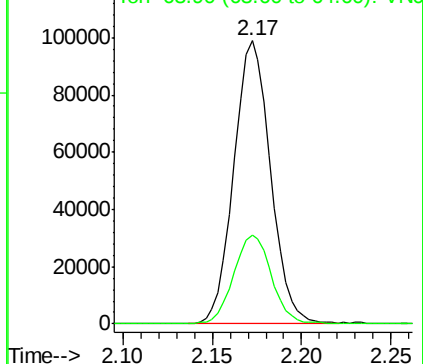
62 100

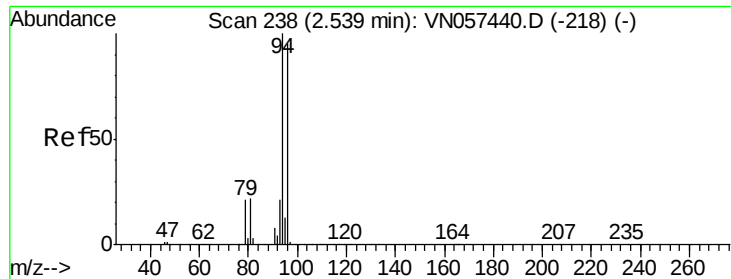
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.199 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 94 Resp: 92814

Ion Ratio Lower Upper

94 100

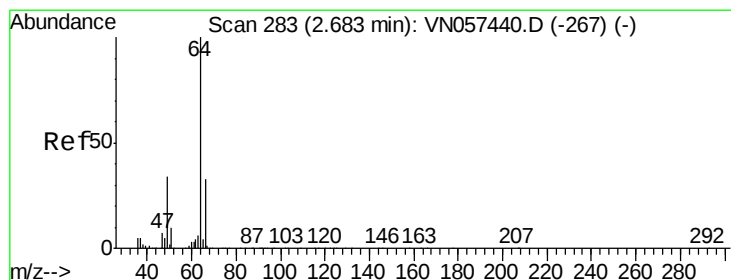
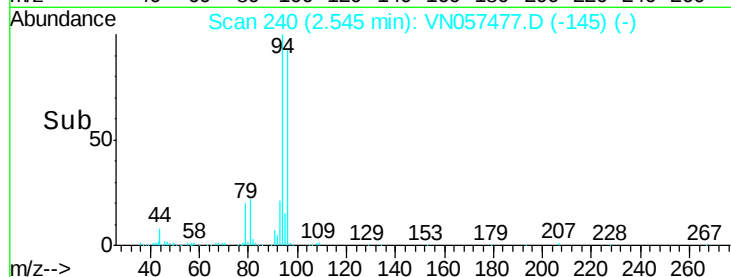
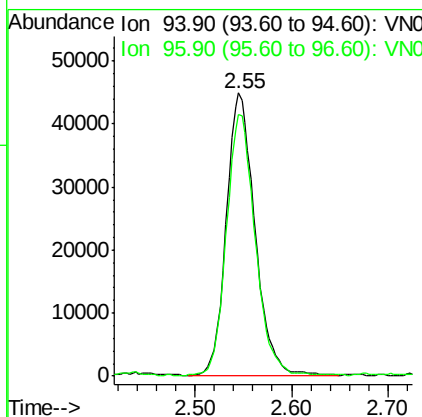
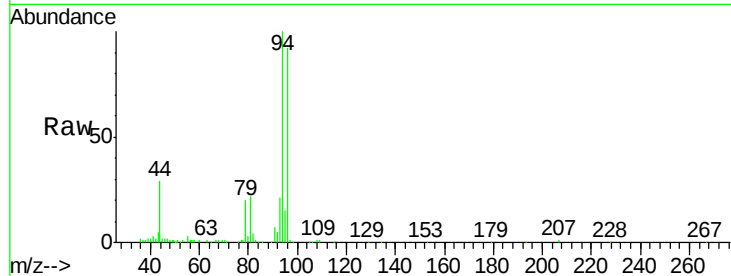
96 91.7 76.2 114.4

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#6

Chloroethane

Concen: 20.203 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057477.D

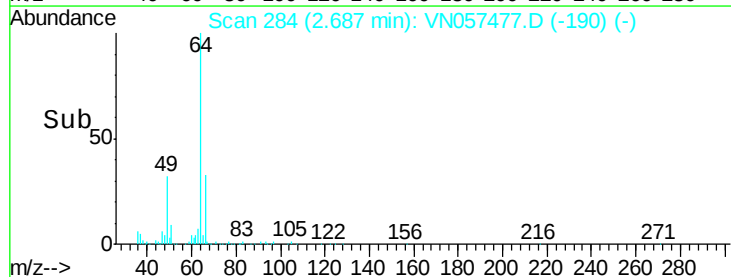
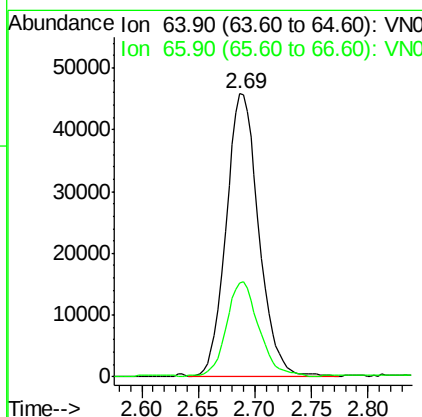
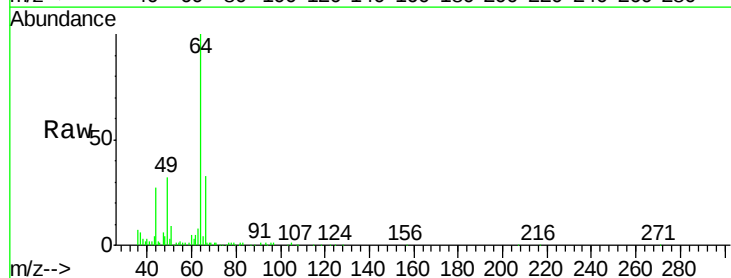
Acq: 23 Aug 2019 17:29

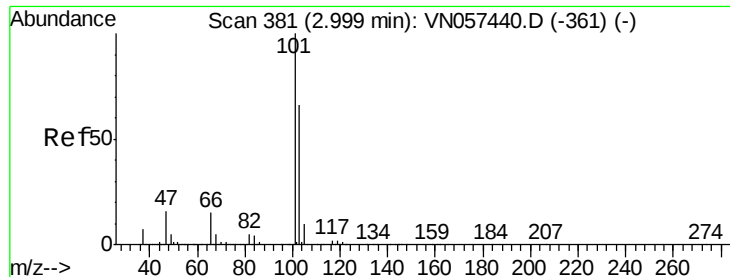
Tgt Ion: 64 Resp: 92326

Ion Ratio Lower Upper

64 100

66 32.4 26.8 40.2





#7

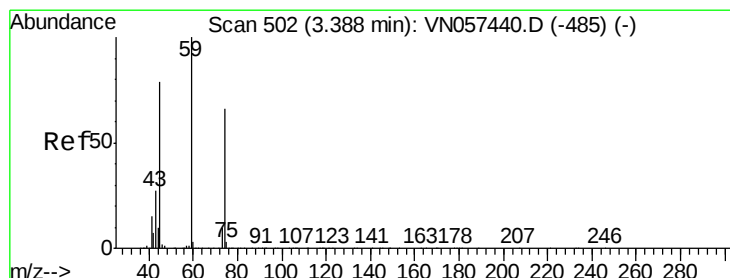
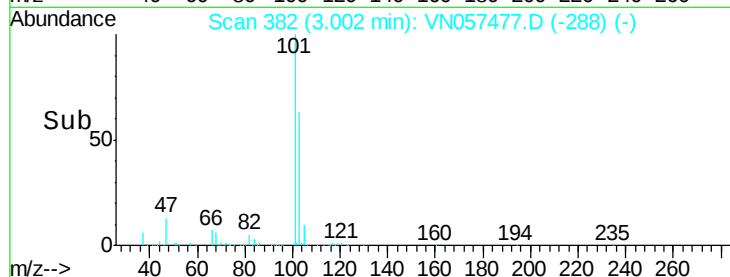
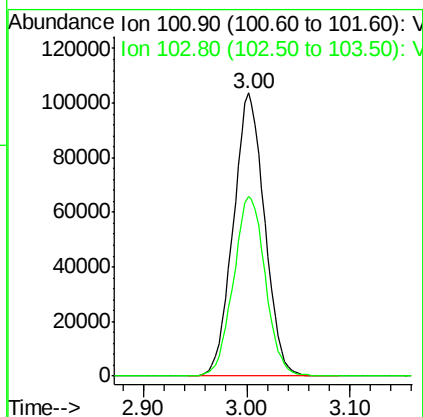
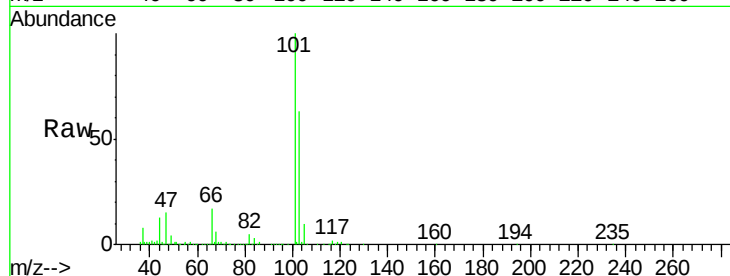
Trichlorofluoromethane
Concen: 19.877 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

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ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.6	78.8

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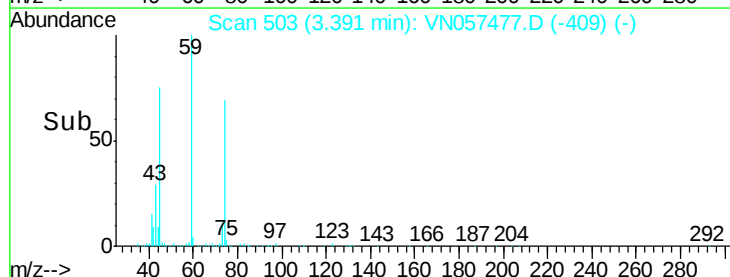
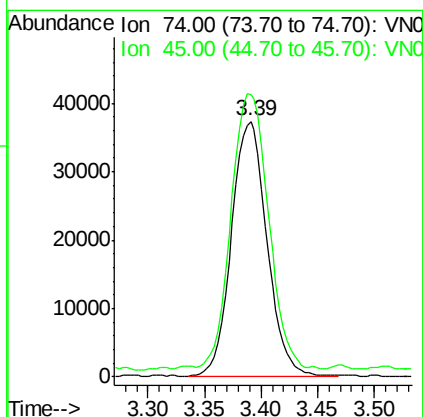
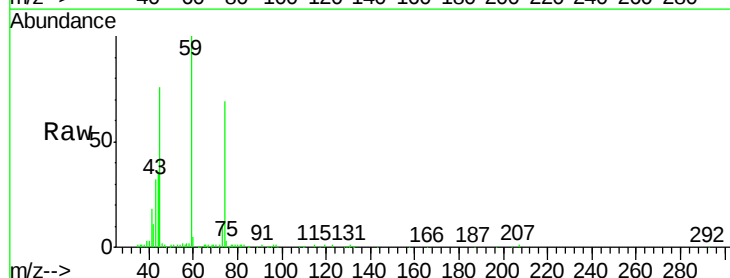
MMDadoda
8/26/2019 1:13:06 PM

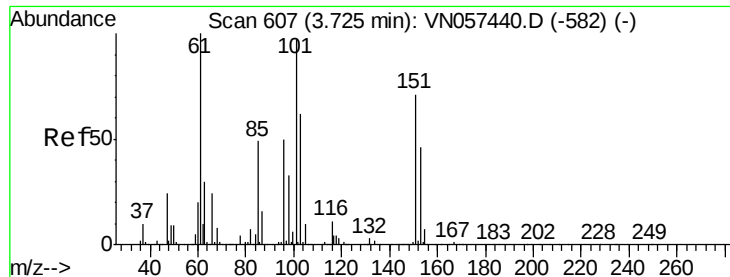


#8

Diethyl Ether
Concen: 21.298 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.1	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.458 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

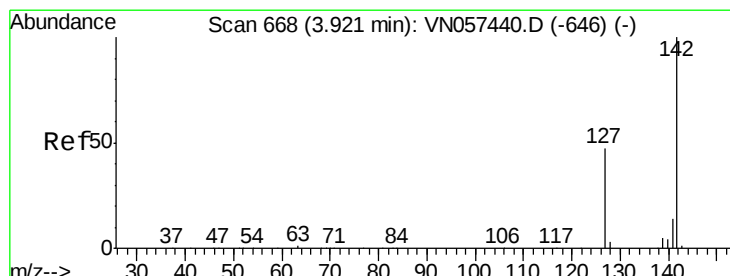
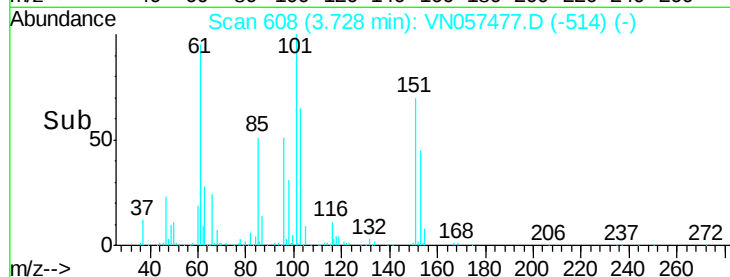
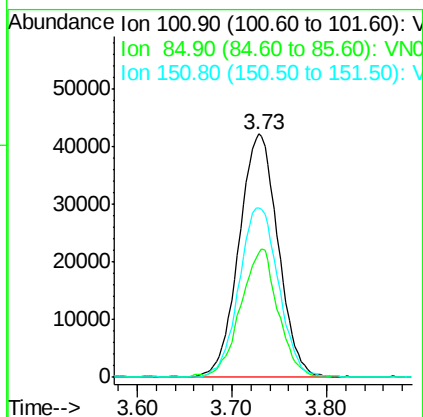
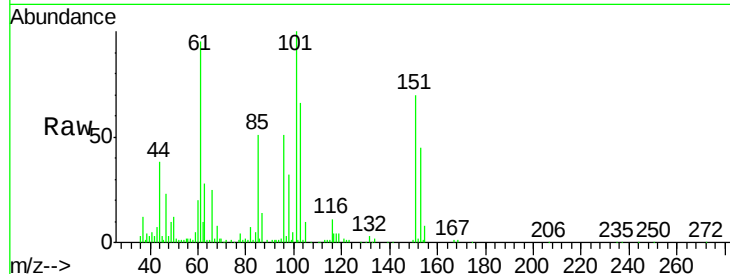
ClientSampleId :

VN0824WBS01

Tot Ion:	101	Resp:	121189
Ion Ratio	Lower	Upper	
101	100		
85	49.2	40.0	60.0
151	70.6	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.296 ug/l

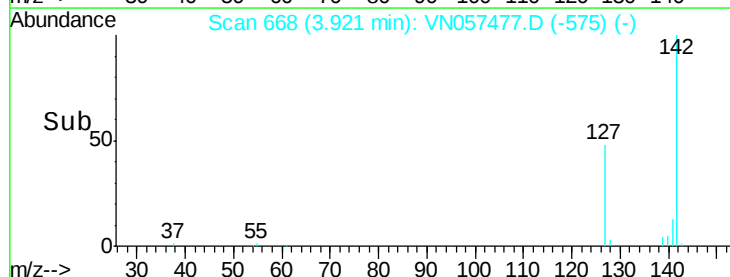
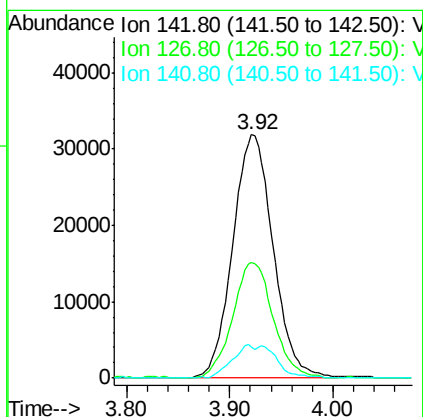
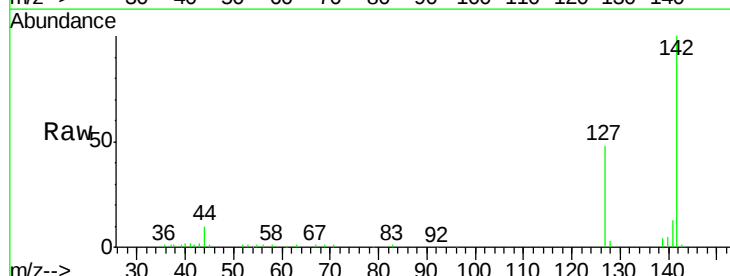
RT: 3.92 min Scan# 668

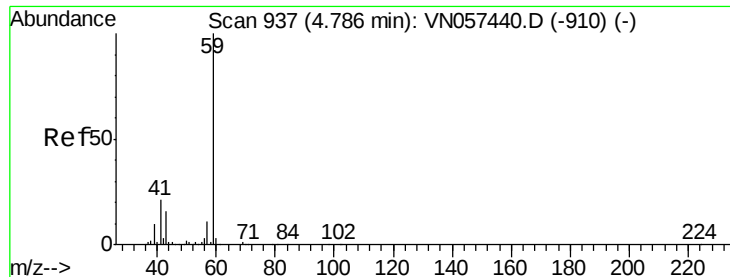
Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion:	142	Resp:	86887
Ion Ratio	Lower	Upper	
142	100		
127	47.5	37.8	56.8
141	7.7	11.9	17.9#





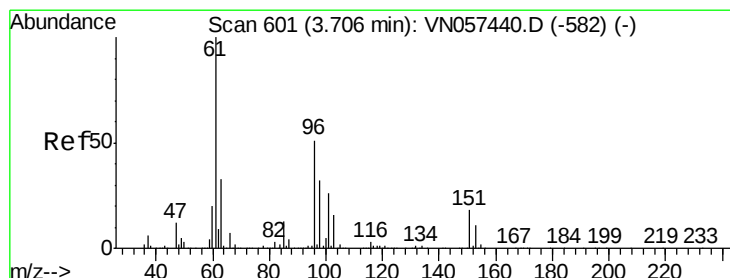
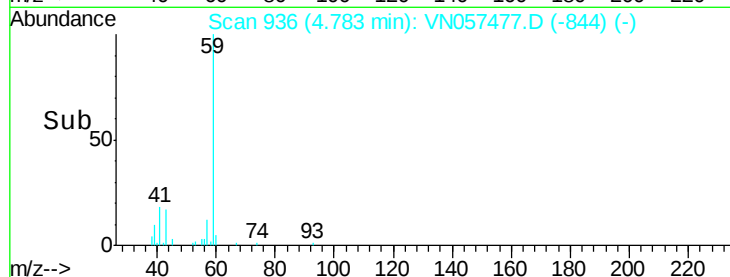
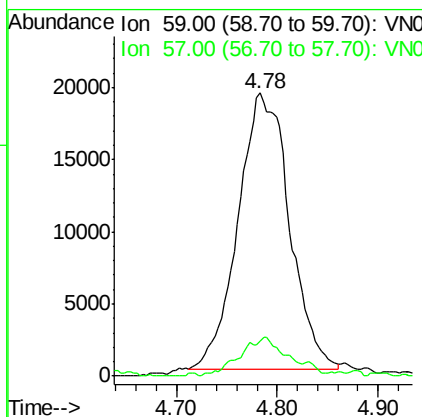
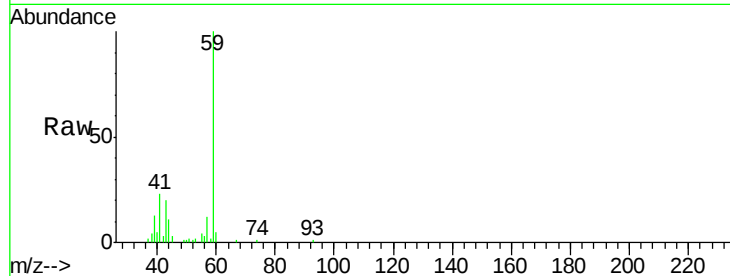
#11
Tert butyl alcohol
Concen: 88.869 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.4	9.1	13.7#

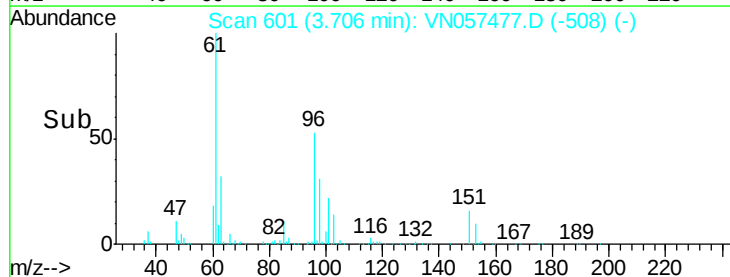
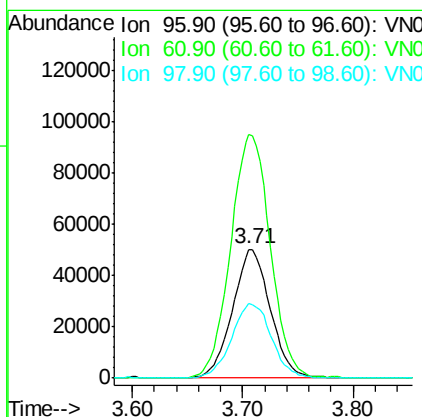
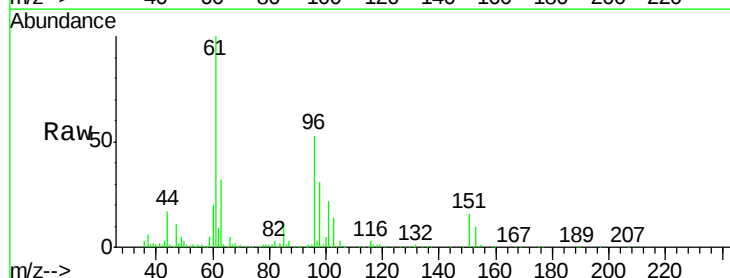
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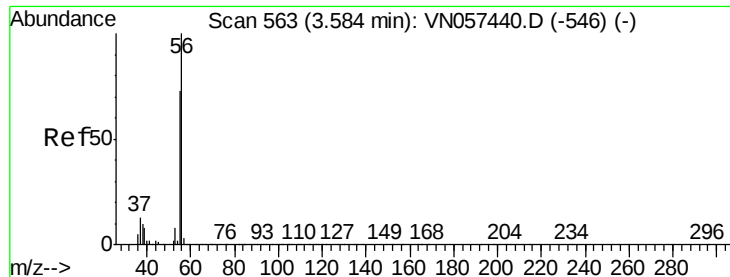
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.931 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.0	155.3	232.9
98	57.4	50.2	75.2





#13

Acrolein

Concen: 90.534 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 56 Resp: 60257

Ion Ratio Lower Upper

56 100

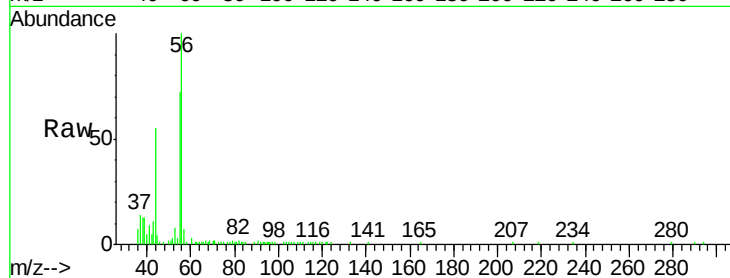
55 74.3 59.0 88.4

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

30000

25000

20000

15000

10000

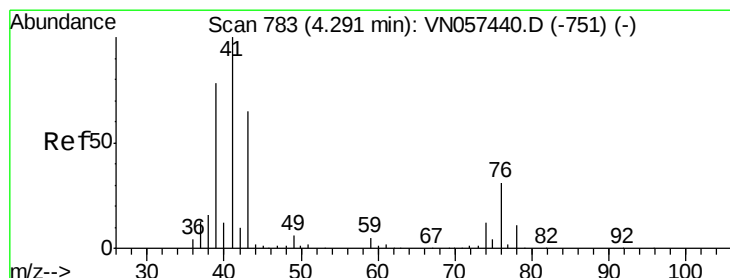
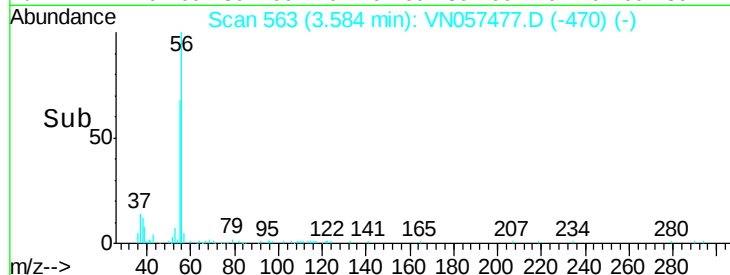
5000

0

Time-->

3.50 3.55 3.60 3.65

3.58



#14

Allyl chloride

Concen: 19.853 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

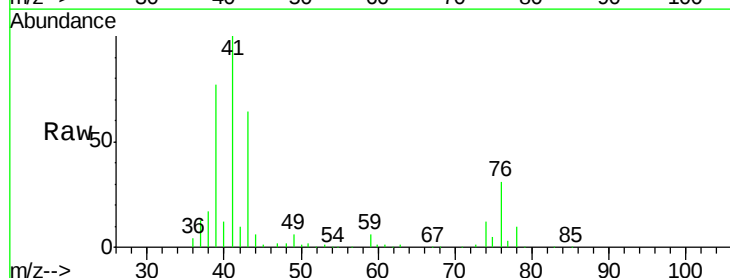
Tgt Ion: 41 Resp: 154829

Ion Ratio Lower Upper

41 100

39 73.0 57.4 86.2

76 30.1 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

60000

40000

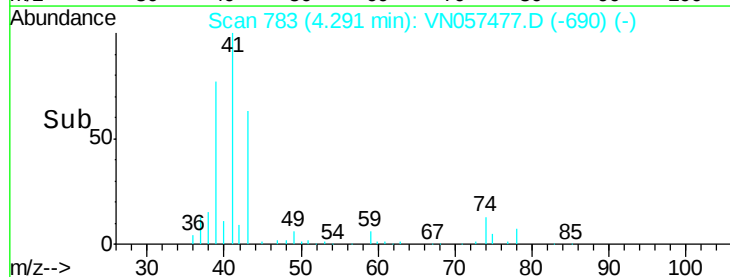
20000

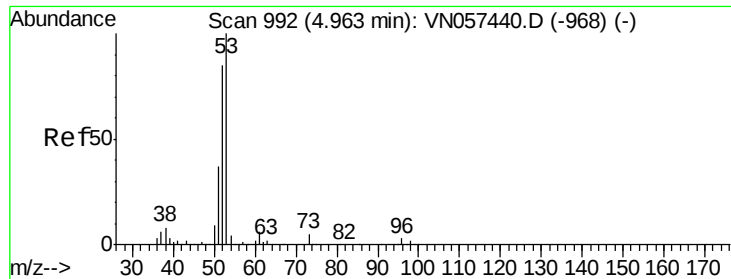
0

Time-->

4.20 4.30 4.40

4.29





#15

Acrylonitrile

Concen: 99.586 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

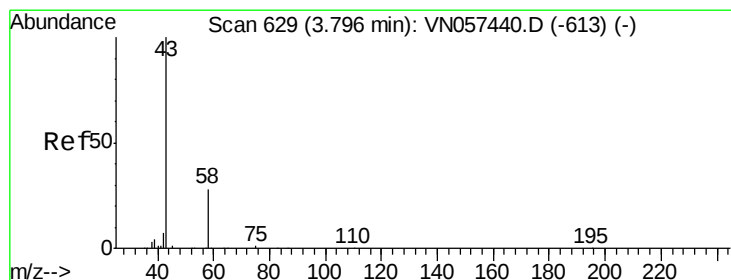
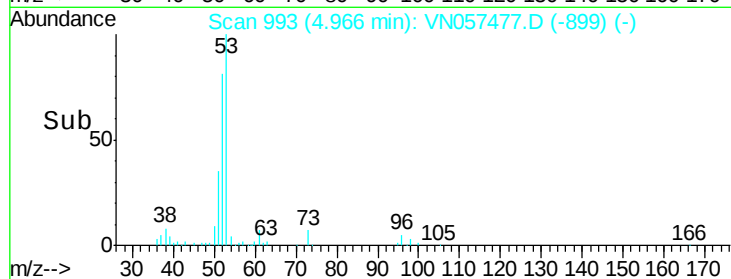
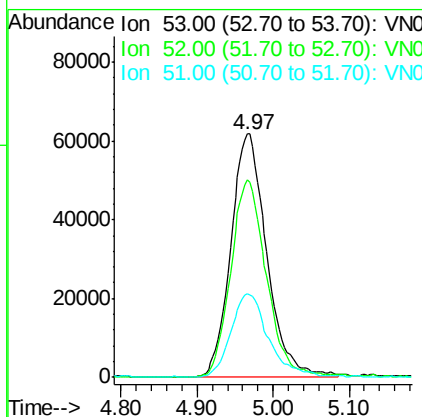
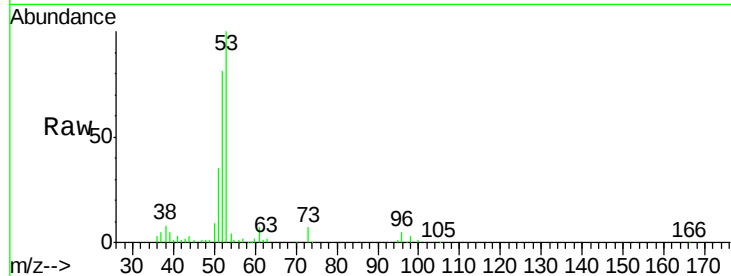
ClientSampleId :

VN0824WBS01

Tot Ion:	53	Resp:	203282
Ion	Ratio	Lower	Upper
53	100		
52	80.2	67.0	100.6
51	35.7	29.9	44.9

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#16

Acetone

Concen: 121.076 ug/l

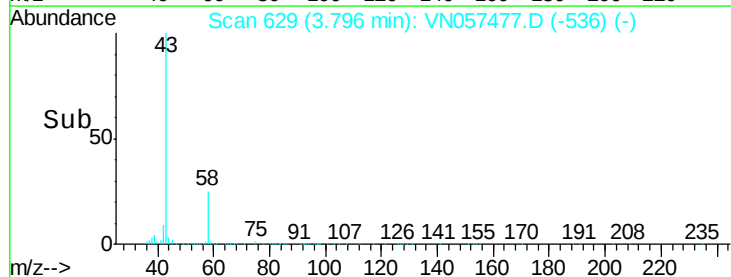
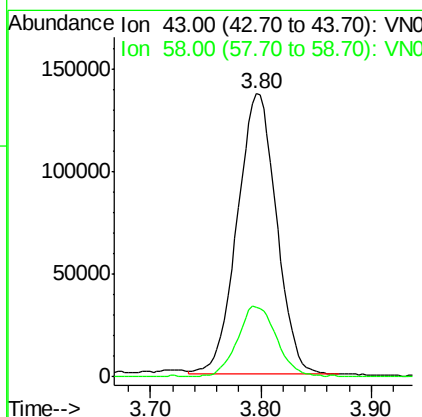
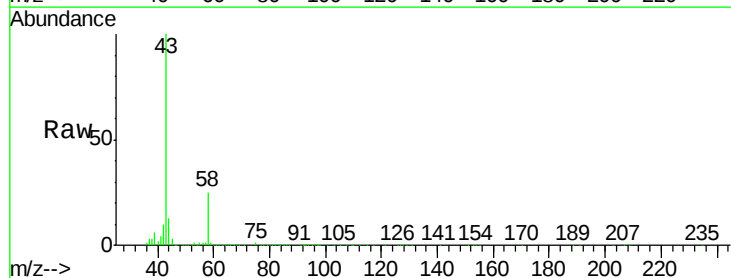
RT: 3.80 min Scan# 629

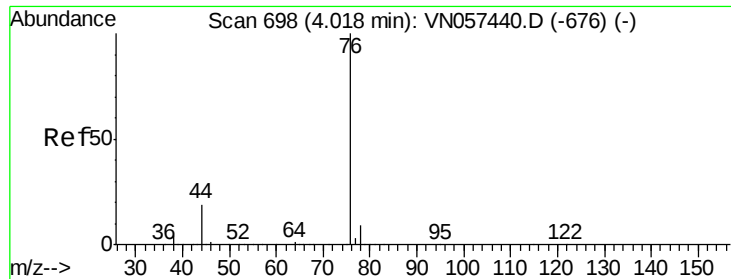
Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion:	43	Resp:	338736
Ion	Ratio	Lower	Upper
43	100		
58	24.5	22.1	33.1





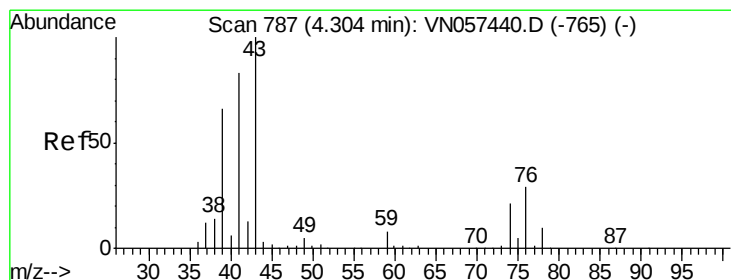
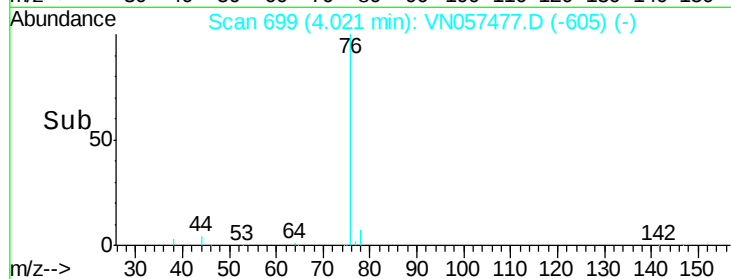
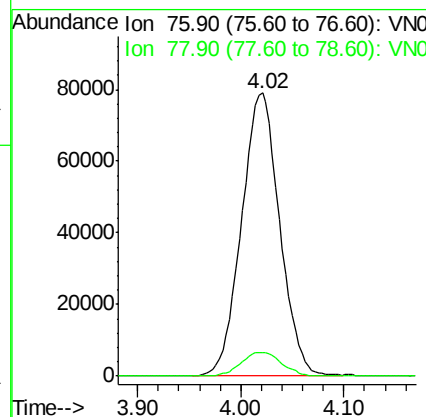
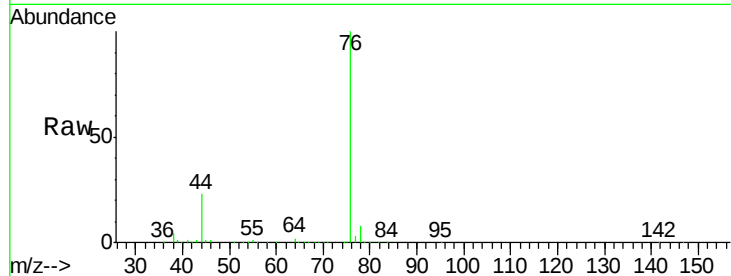
#17
Carbon Disulfide
Concen: 18.061 ug/l
RT: 4.02 min Scan# 699
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

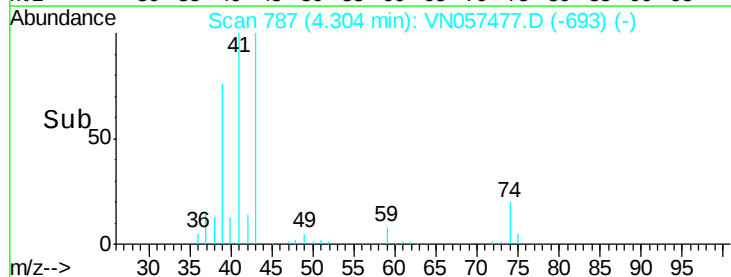
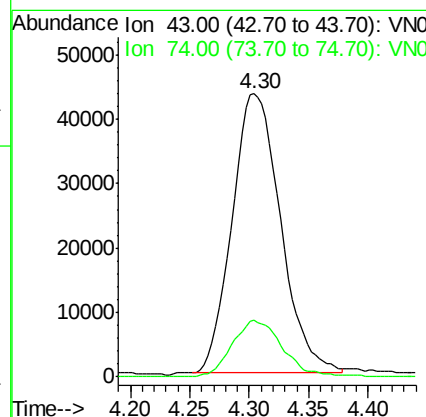
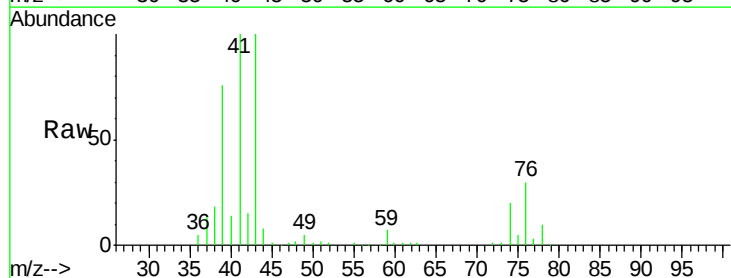
Manual Integrations
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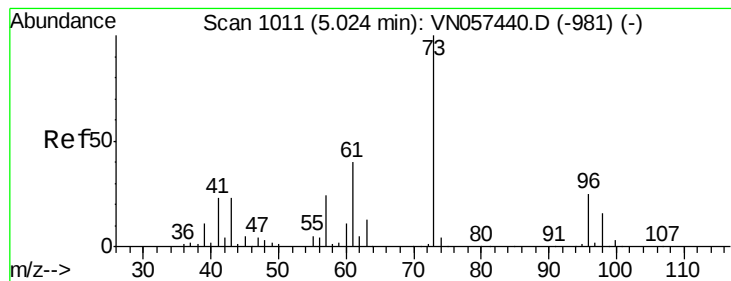
MMDadoda
8/26/2019 1:13:06 PM



#18
Methyl Acetate
Concen: 19.658 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	15.9	23.9





#19

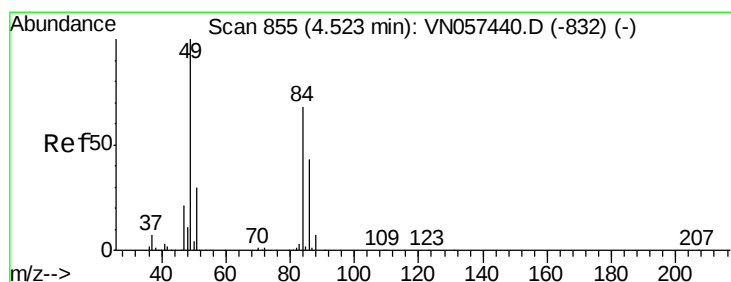
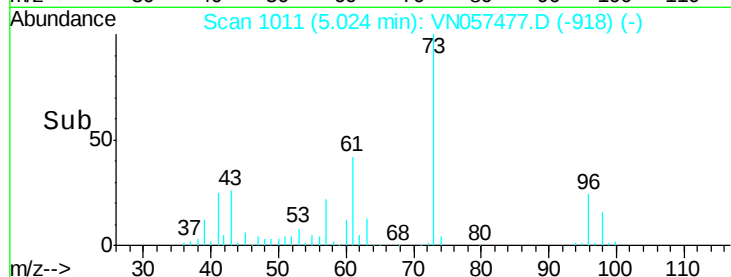
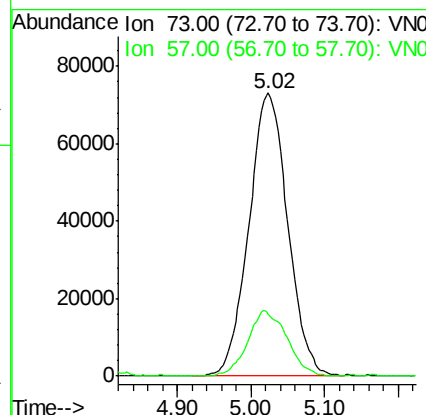
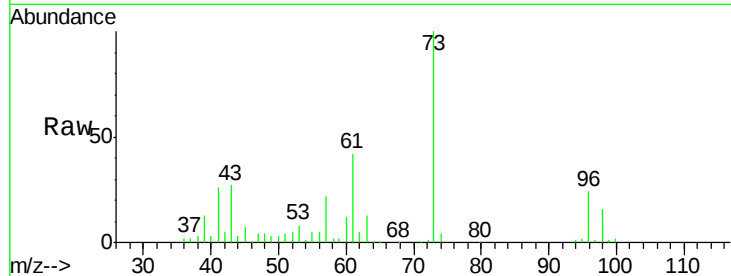
Methyl tert-butyl Ether
 Concen: 18.825 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	21.8	19.1	28.7

Manual Integrations
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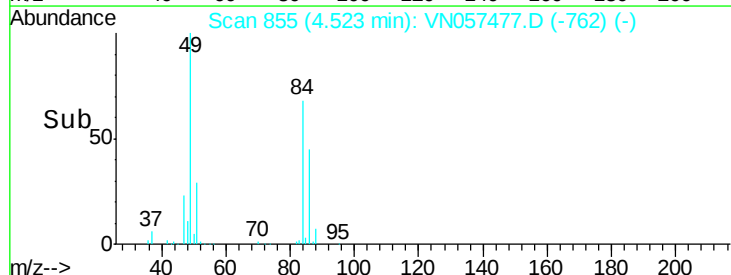
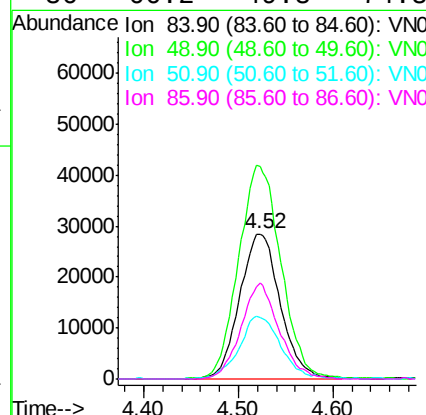
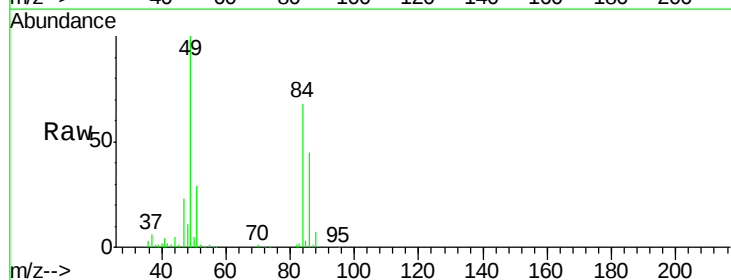
MMDadoda
 8/26/2019 1:13:06 PM

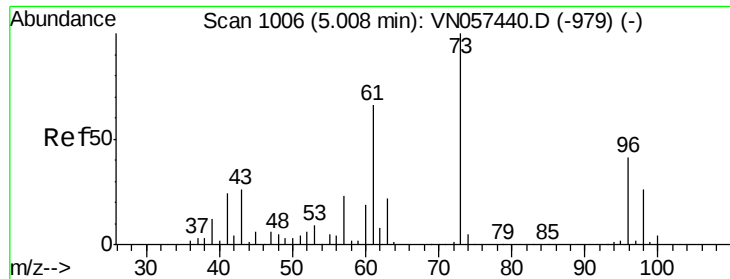


#20

Methylene Chloride
 Concen: 20.452 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	145.3	117.0	175.4
51	51	42.3	35.5	53.3
86	86	66.2	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.395 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

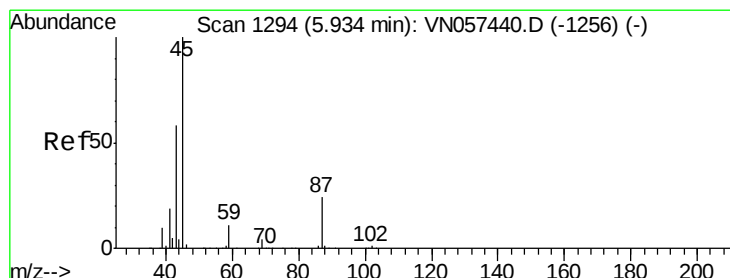
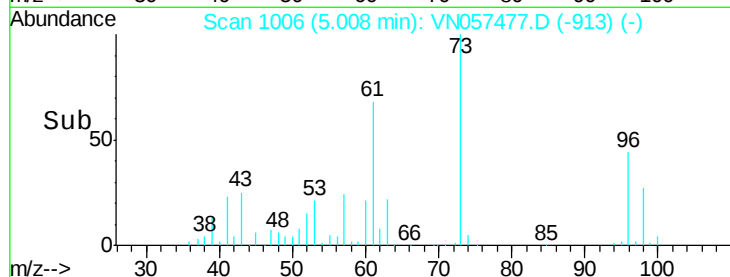
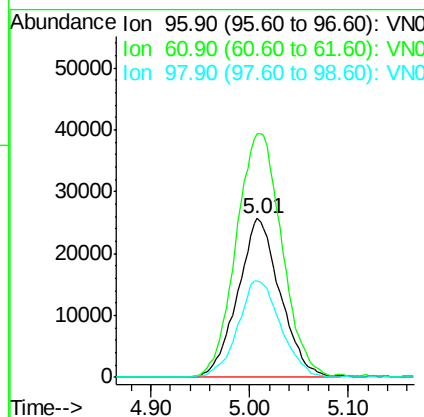
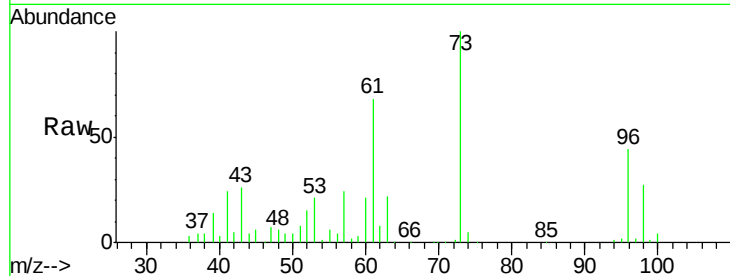
ClientSampled :

VN0824WBS01

Tot Ion:	96	Resp:	76519
Ion	Ratio	Lower	Upper
96	100		
61	152.7	127.9	191.9
98	60.7	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.044 ug/l

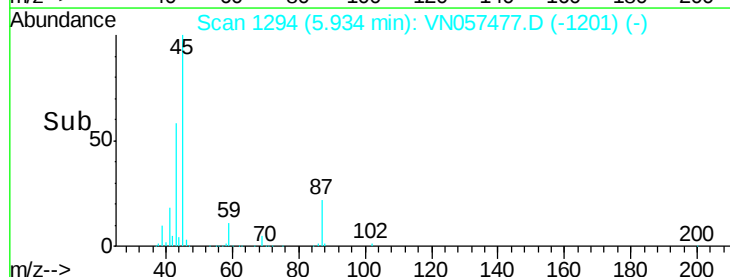
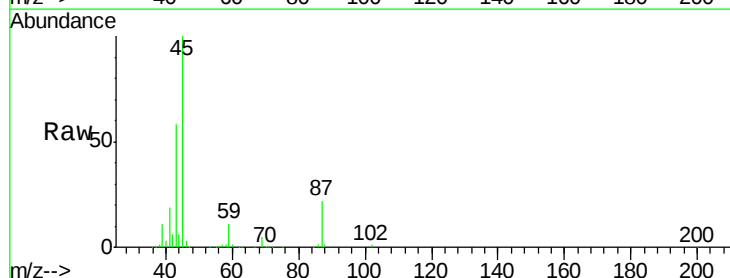
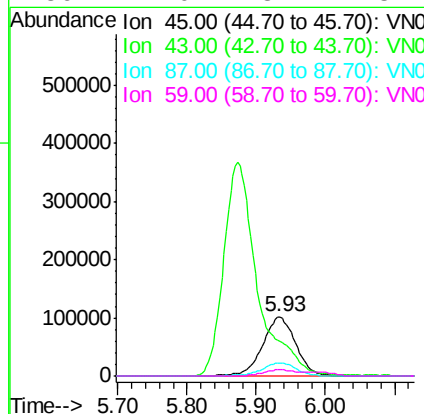
RT: 5.93 min Scan# 1294

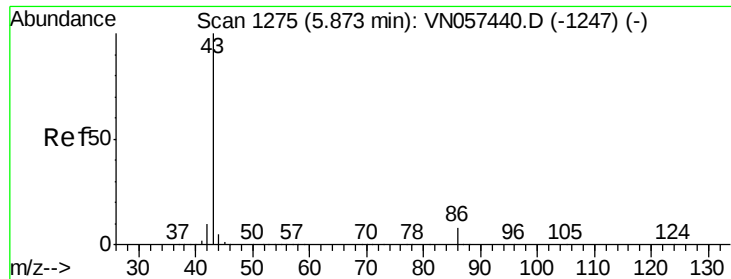
Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion:	45	Resp:	335234
Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.9	70.3
87	21.6	19.3	28.9
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 95.506 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 43 Resp: 1247599

Ion Ratio Lower Upper

43 100

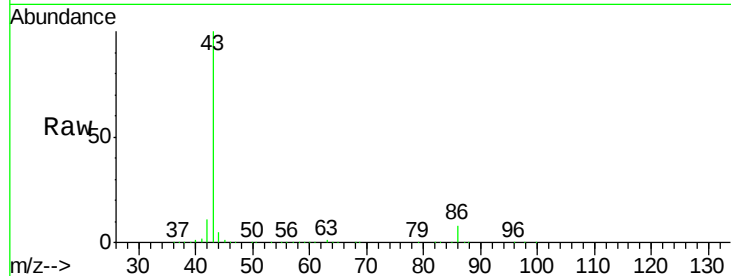
86 8.4 6.7 10.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

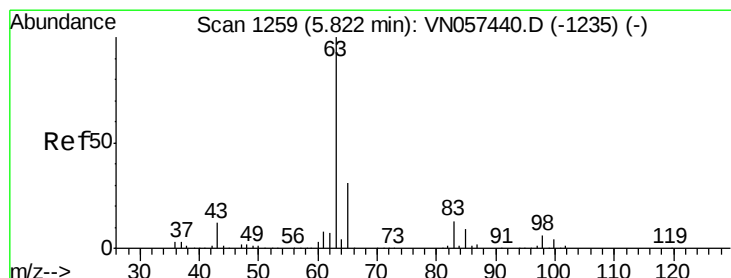
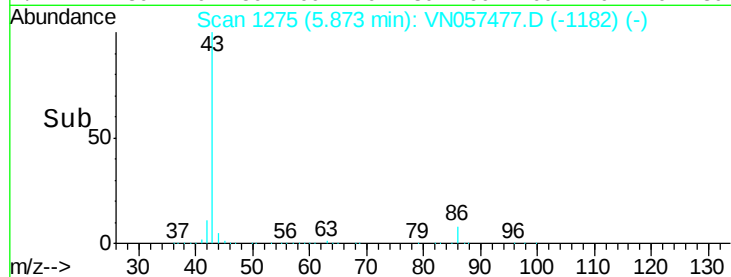
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.609 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

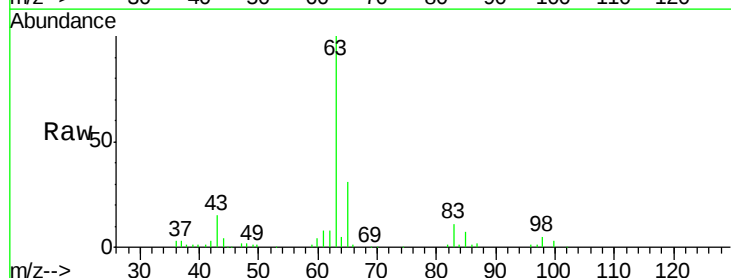
Tgt Ion: 63 Resp: 173803

Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.6

100 3.1 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

80000

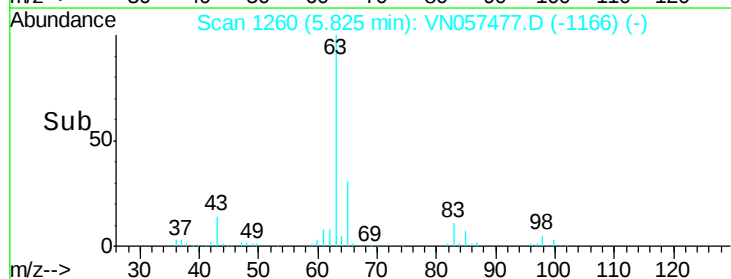
60000

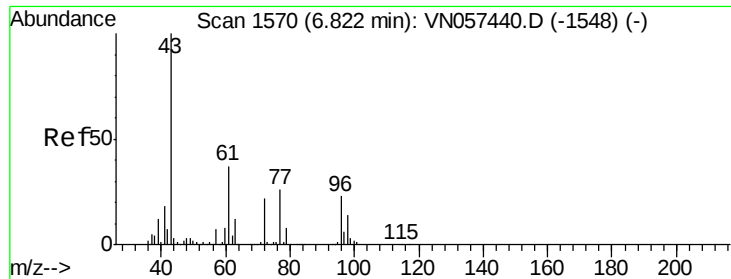
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 94.548 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 43 Resp: 287233

Ion Ratio Lower Upper

43 100

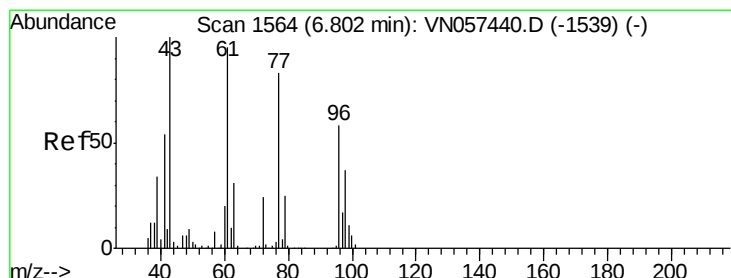
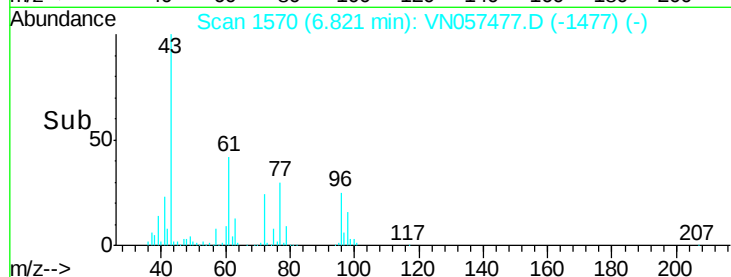
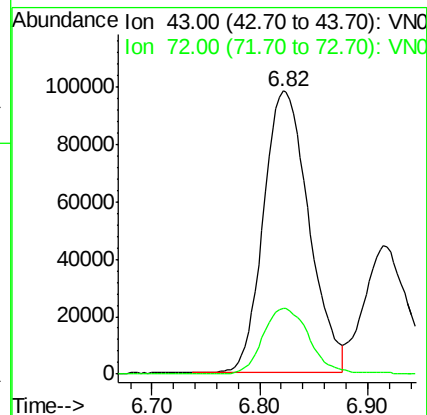
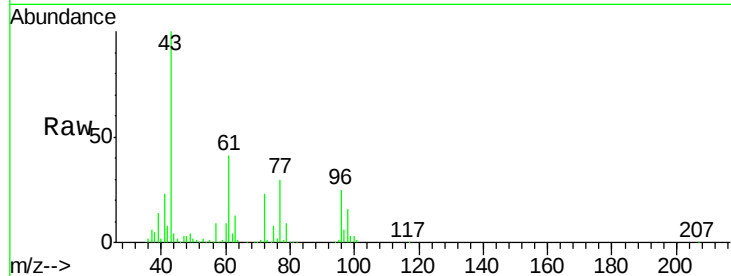
72 23.5 17.8 26.8

Manual Integrations

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8/26/2019 1:13:06 PM



#26

2,2-Dichloropropane

Concen: 18.880 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057477.D

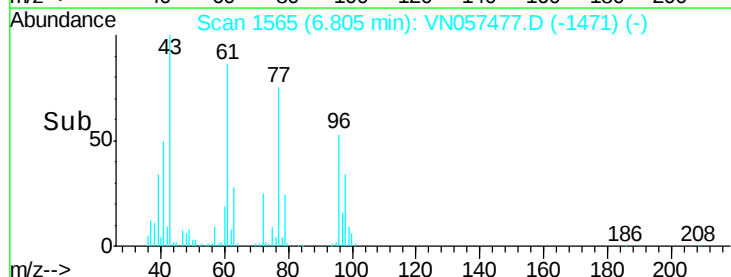
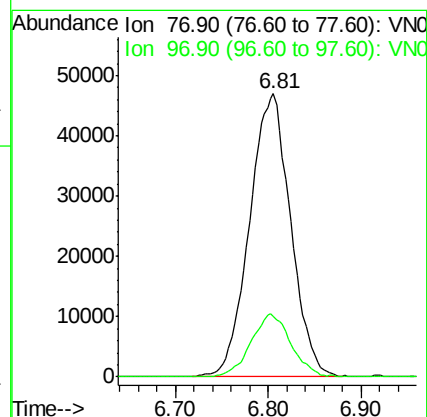
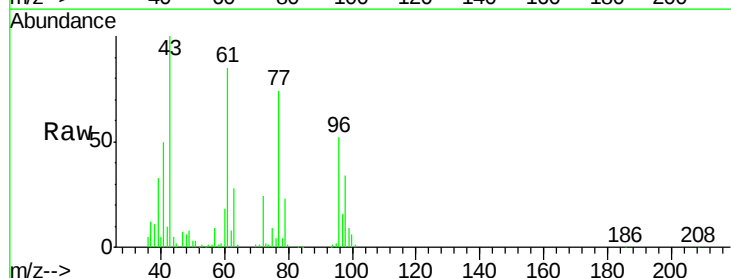
Acq: 23 Aug 2019 17:29

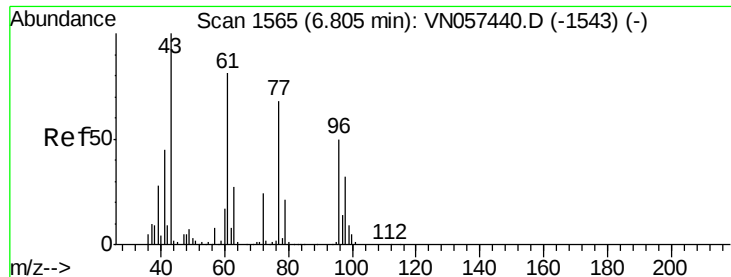
Tgt Ion: 77 Resp: 144918

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.176 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

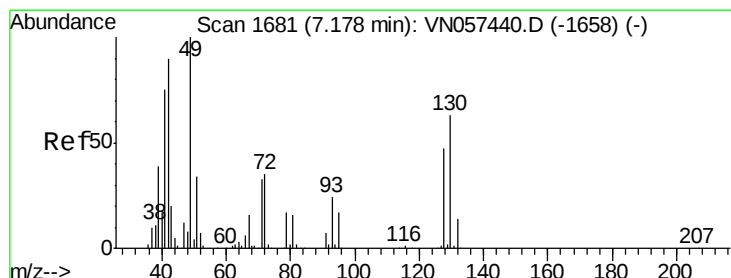
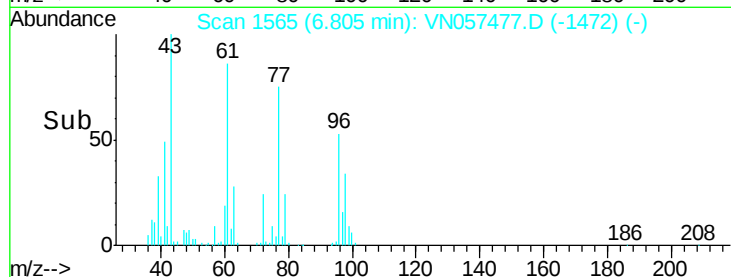
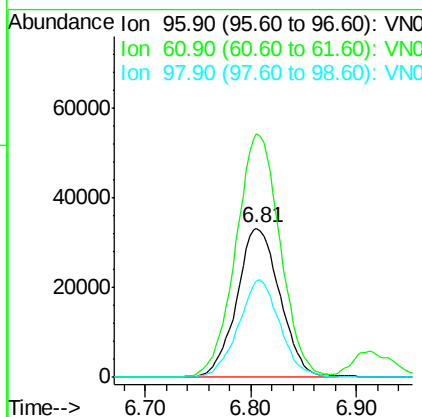
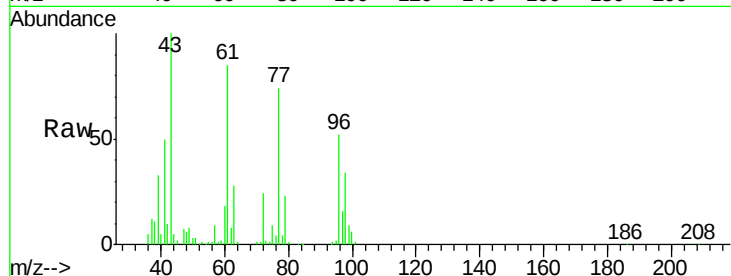
ClientSampleId :

VN0824WBS01

Tot Ion:	96	Resp:	94556
Ion	Ratio	Lower	Upper
96	100		
61	167.6	0.0	334.8
98	62.8	0.0	127.4

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#28

Bromochloromethane

Concen: 21.676 ug/l

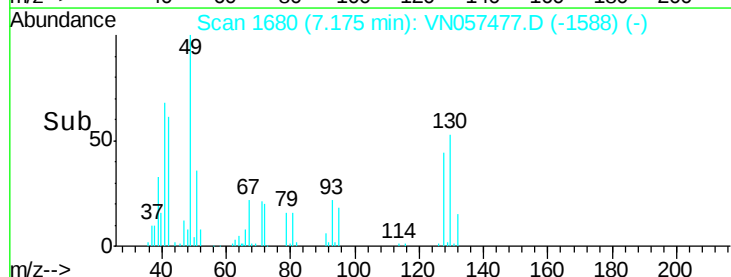
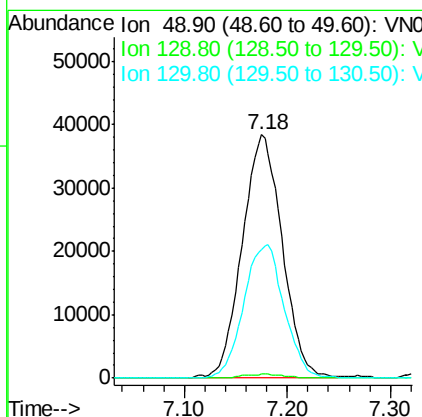
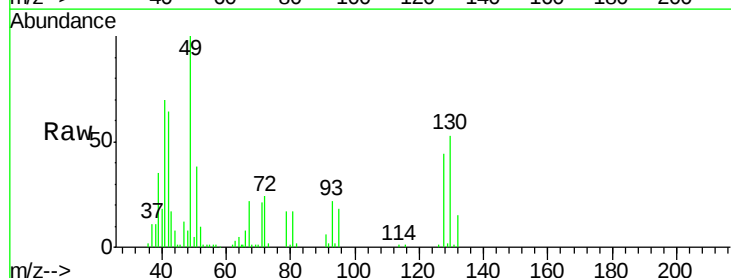
RT: 7.18 min Scan# 1680

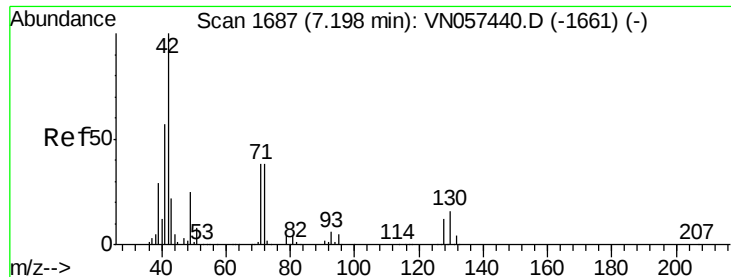
Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion:	49	Resp:	103462
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	55.2	48.6	72.8





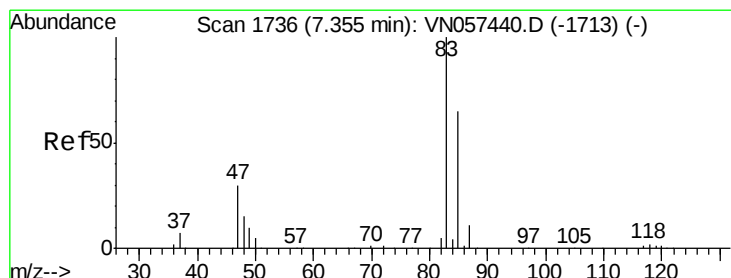
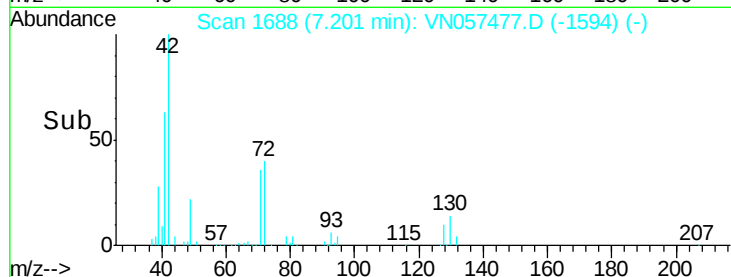
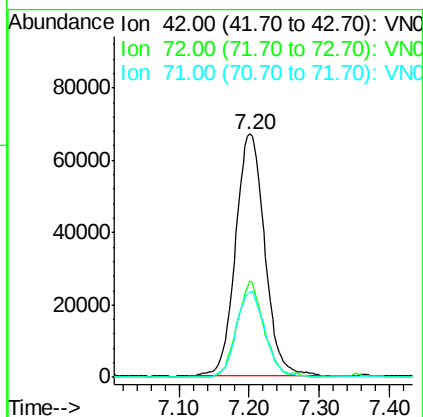
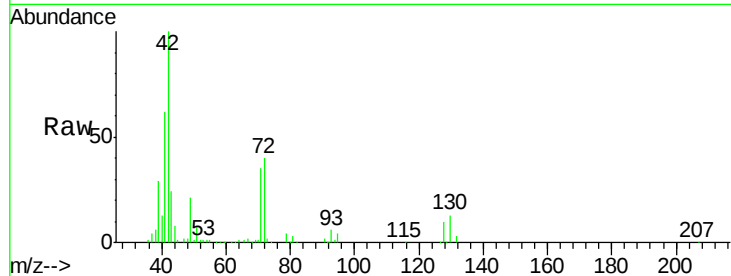
#29
Tetrahydrofuran
Concen: 96.585 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	30.1	45.1
71	35.3	28.8	43.2

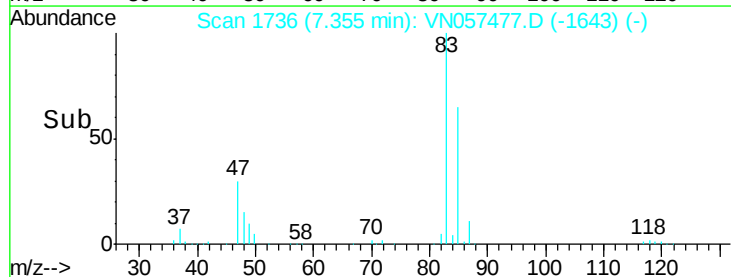
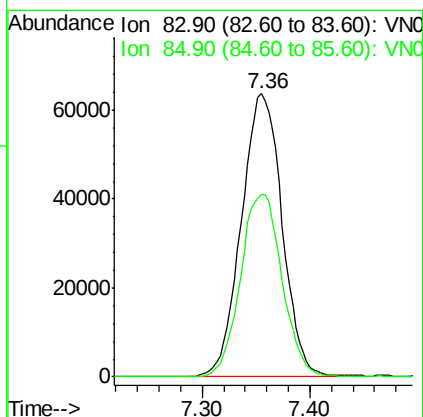
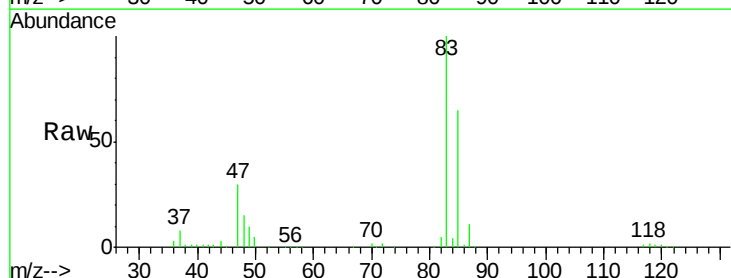
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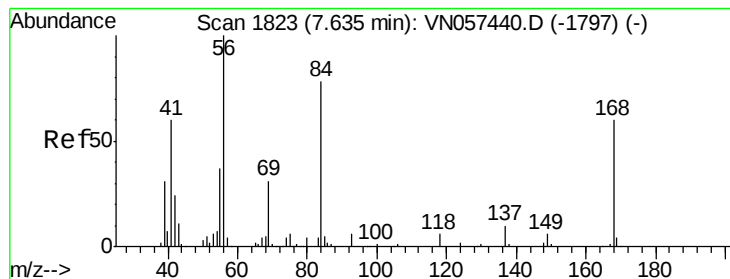
MMDadoda
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#30
Chloroform
Concen: 20.362 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9





#31

Cyclohexane

Concen: 20.067 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

Tot Ion: 56 Resp: 171728

Ion Ratio Lower Upper

56 100

69 35.1 25.0 37.6

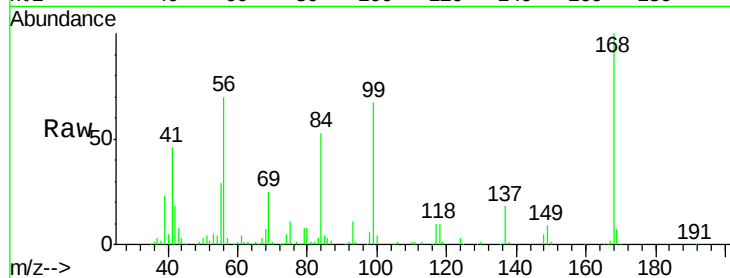
84 73.8 62.5 93.7

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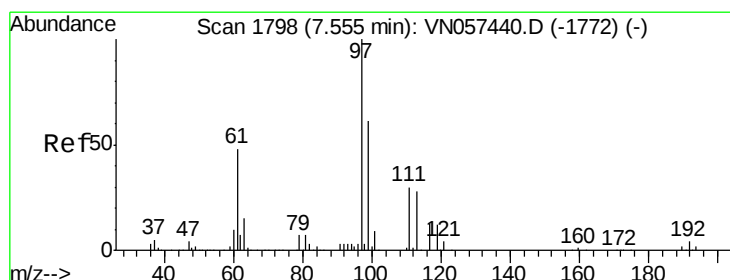
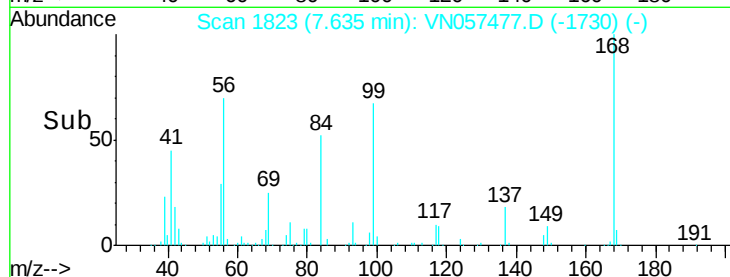
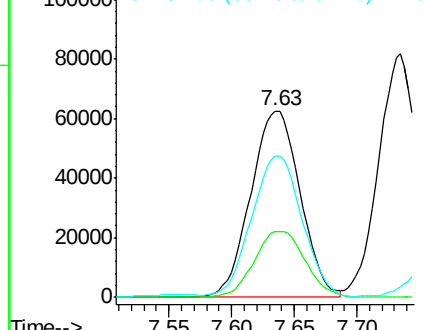
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.746 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

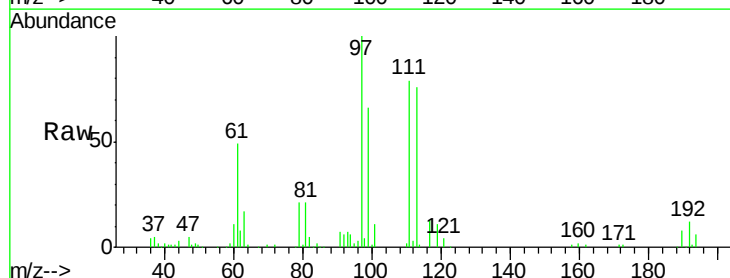
Tgt Ion: 97 Resp: 142532

Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.6

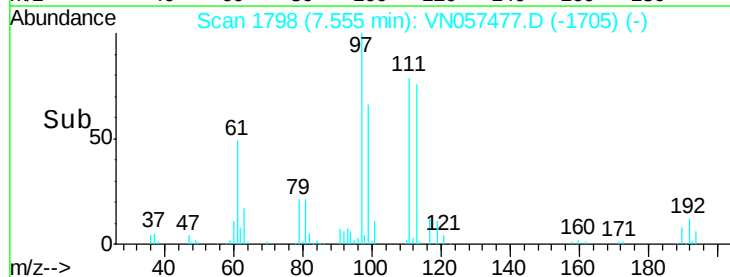
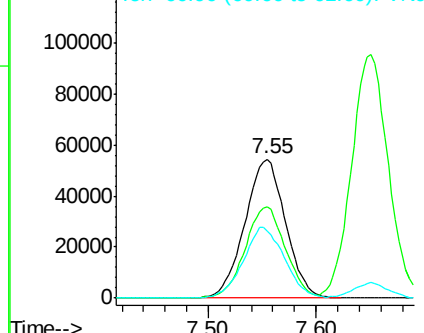
61 51.4 39.8 59.6

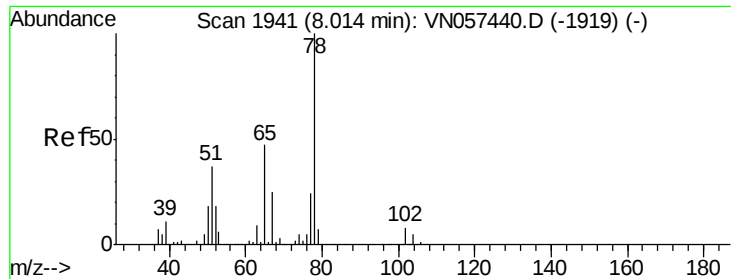


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 54.821 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 65 Resp: 333972

Ion Ratio Lower Upper

65 100

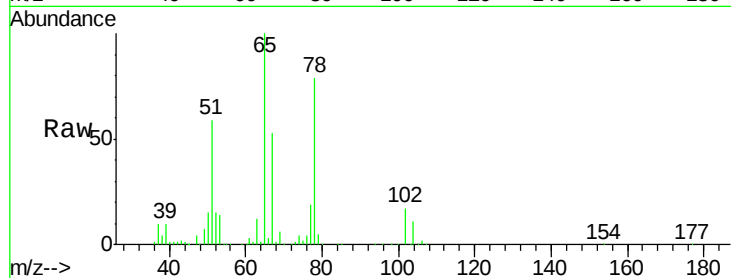
67 52.1 0.0 103.8

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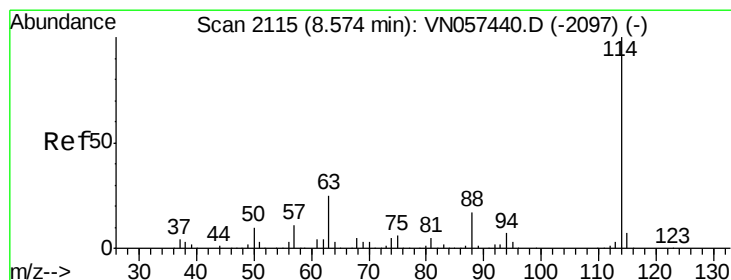
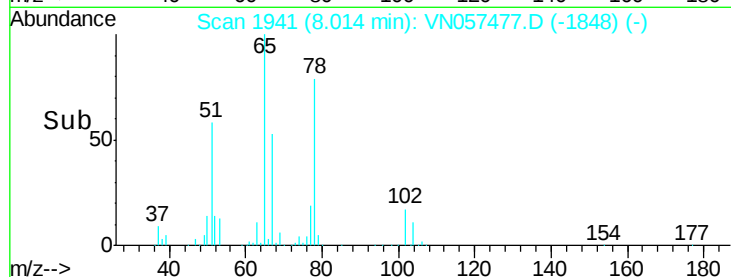
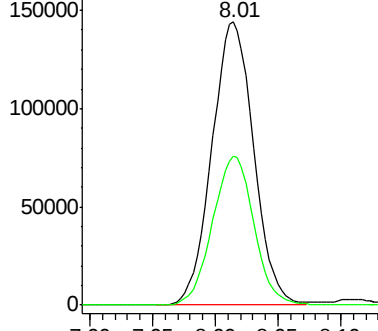
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

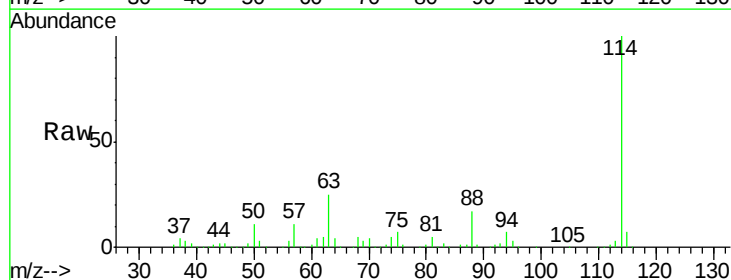
Tgt Ion: 114 Resp: 634865

Ion Ratio Lower Upper

114 100

63 25.0 0.0 50.2

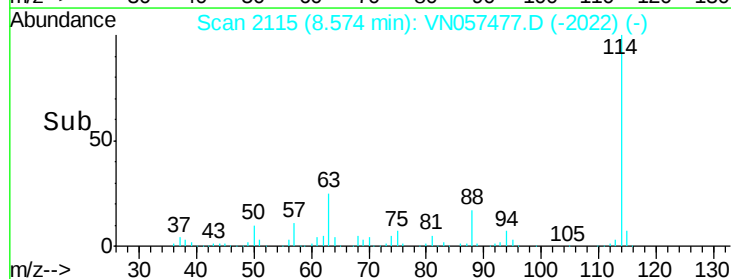
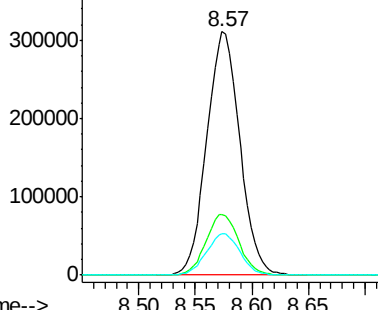
88 17.2 0.0 34.6

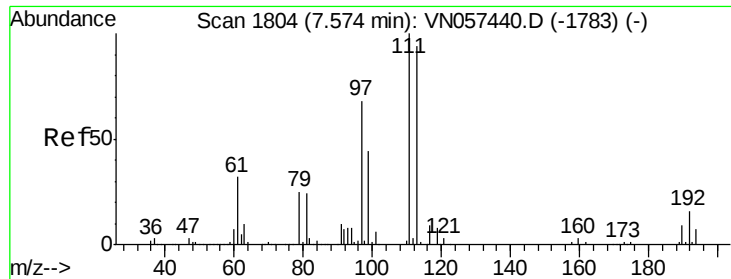


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 52.088 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

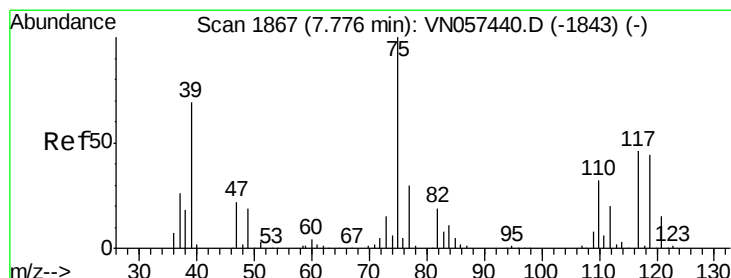
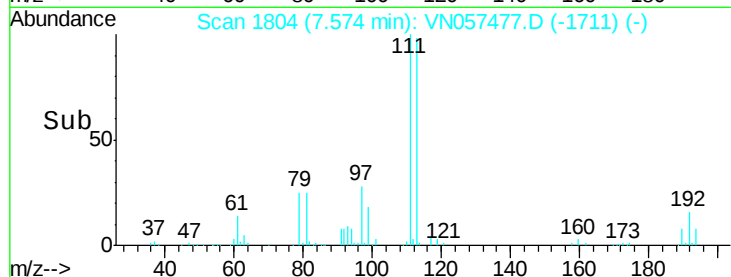
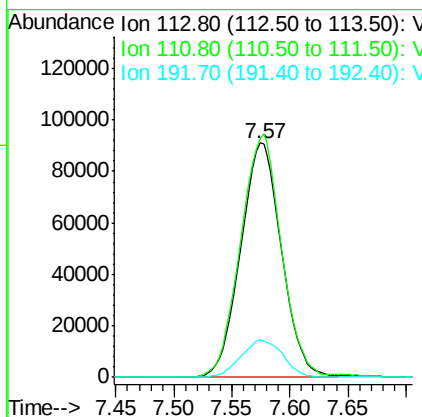
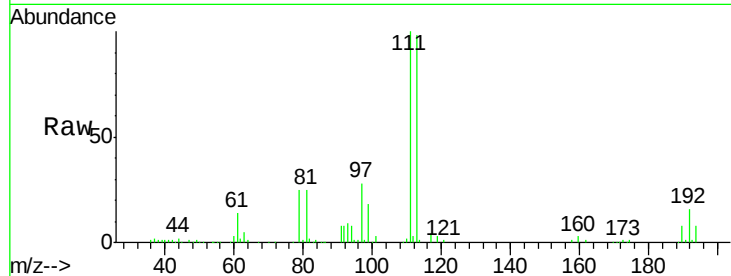
ClientSampleId :

VN0824WBS01

Tot Ion:	113	Resp:	223367
Ion Ratio	Lower	Upper	
113	100		
111	104.0	83.8	125.6
192	16.4	13.5	20.3

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#36

1,1-Dichloropropene

Concen: 18.842 ug/l

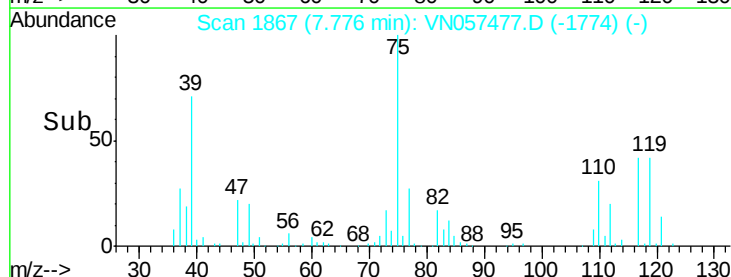
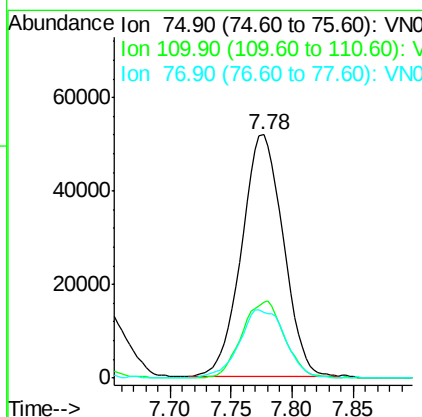
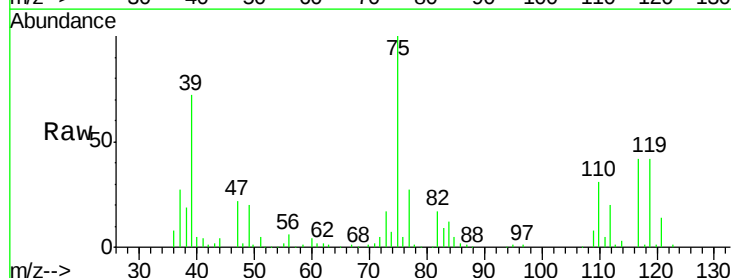
RT: 7.78 min Scan# 1867

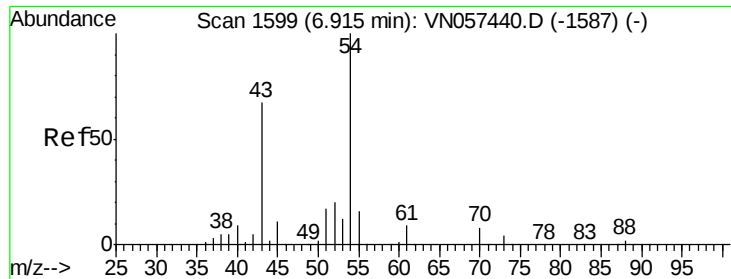
Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion:	75	Resp:	122229
Ion Ratio	Lower	Upper	
75	100		
110	32.6	16.1	48.3
77	31.2	24.8	37.2





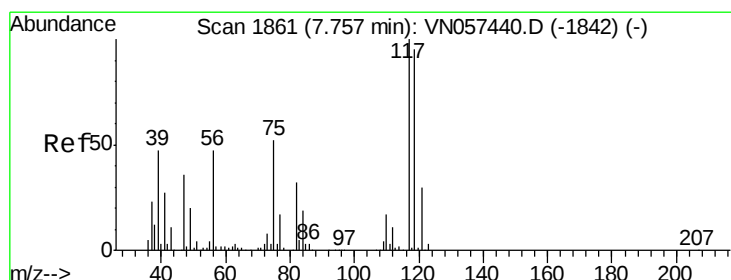
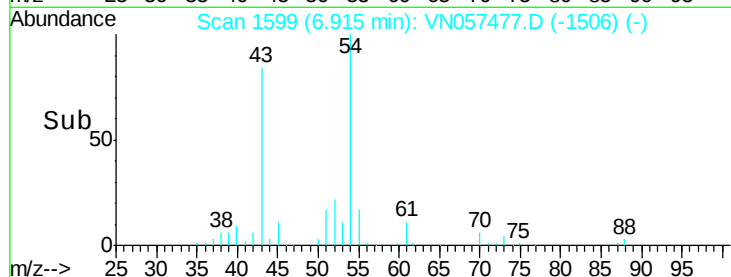
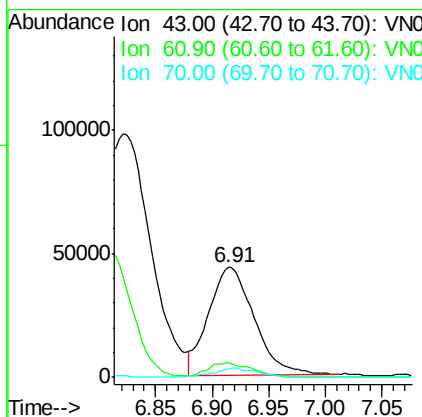
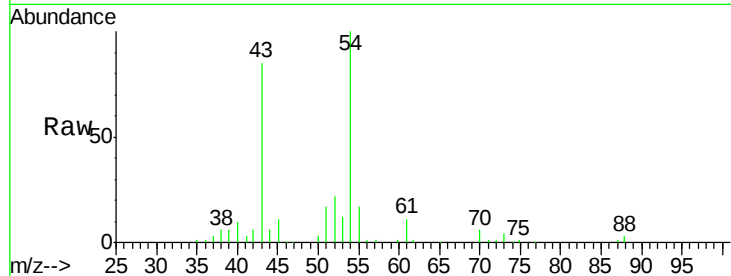
#37
Ethyl Acetate
Concen: 18.937 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampled :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	9.9	14.9
70	8.3	7.0	10.6

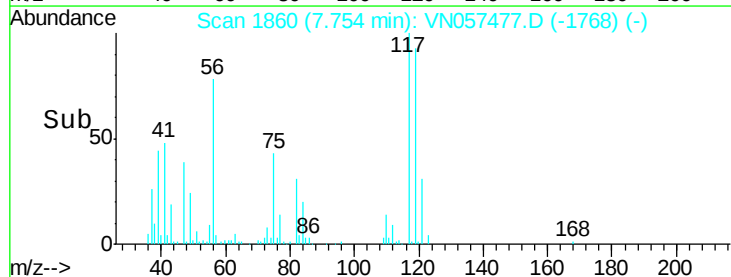
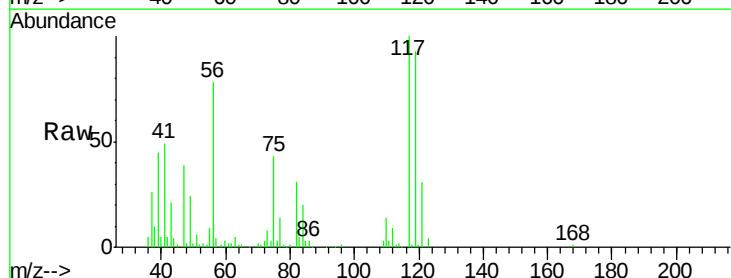
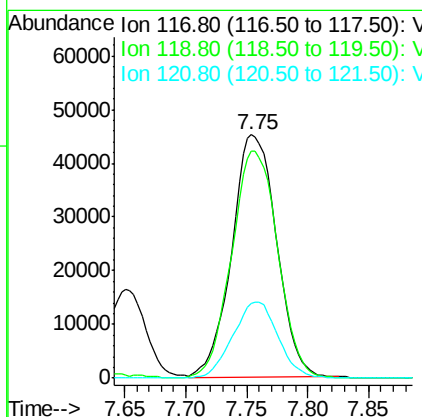
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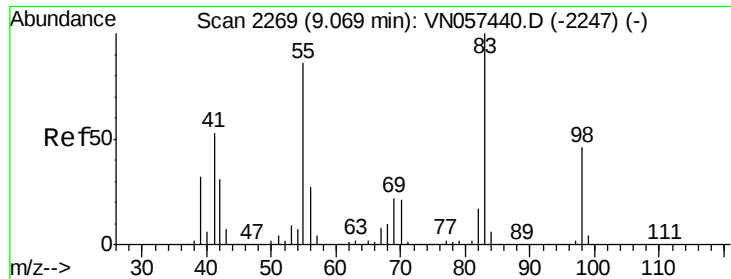
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#38
Carbon Tetrachloride
Concen: 17.797 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.2	114.4
121	30.9	23.8	35.6





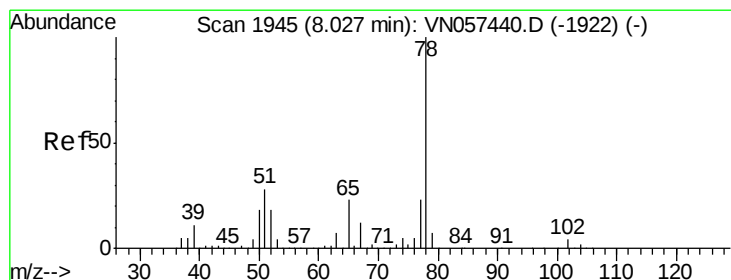
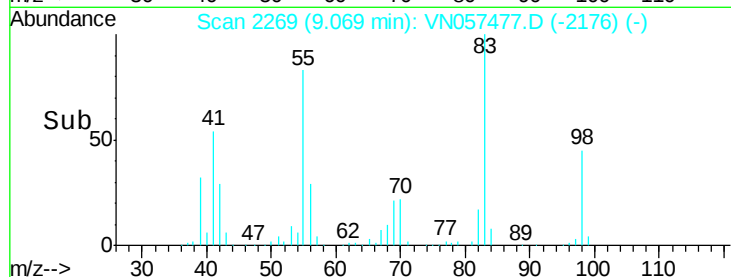
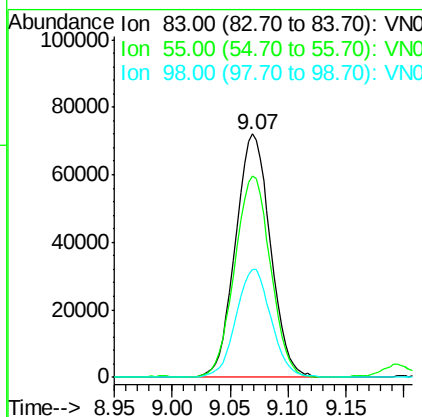
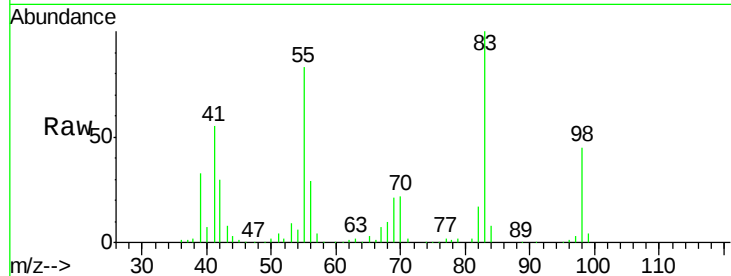
#39
Methvlcvclohexane
Concen: 19.656 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	68.6	102.8
98	44.5	36.6	54.8

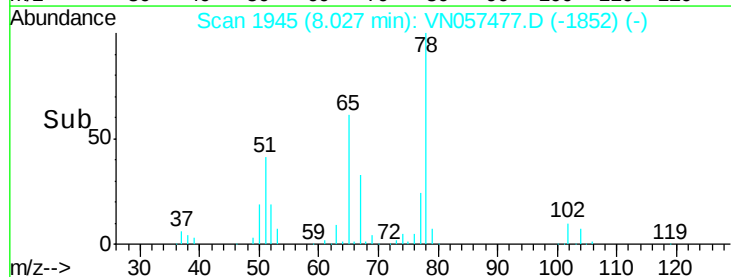
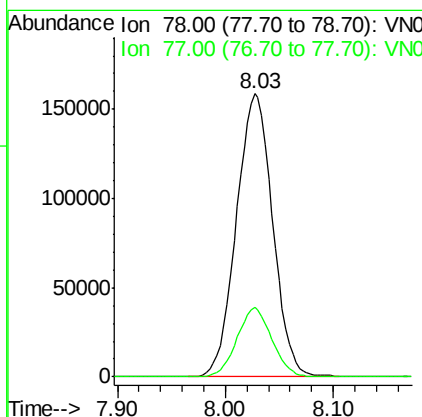
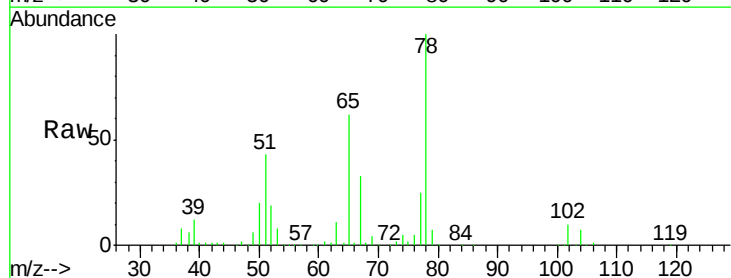
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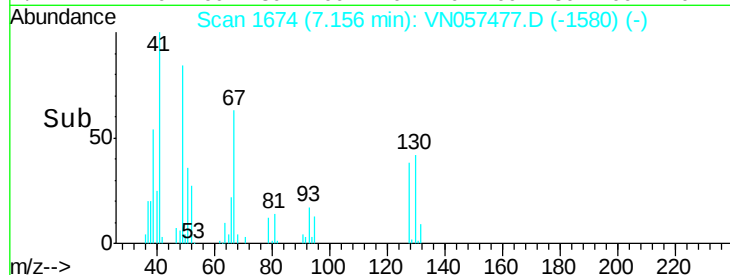
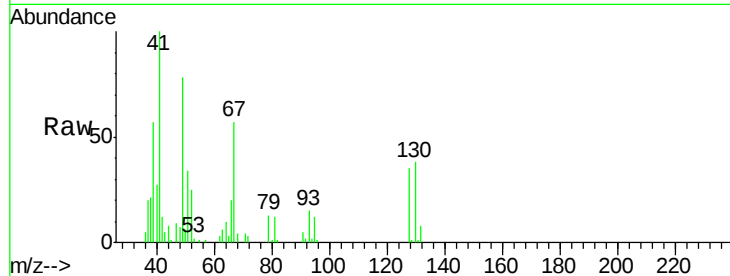
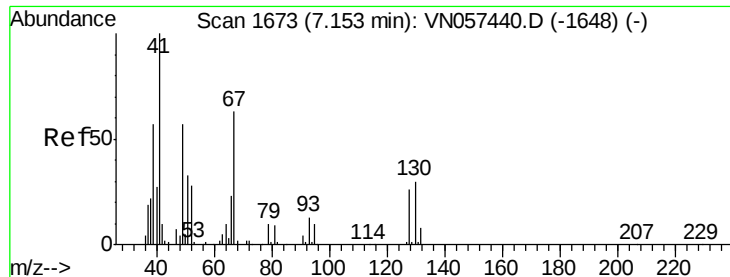
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#40
Benzene
Concen: 19.070 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.5	27.7





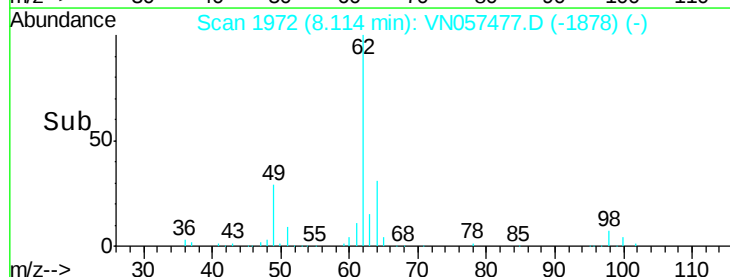
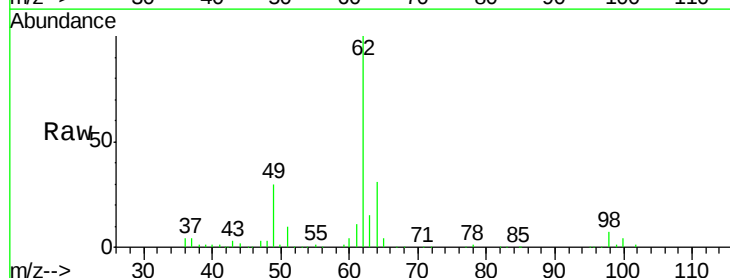
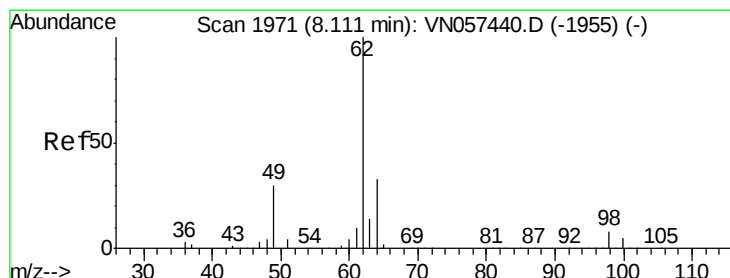
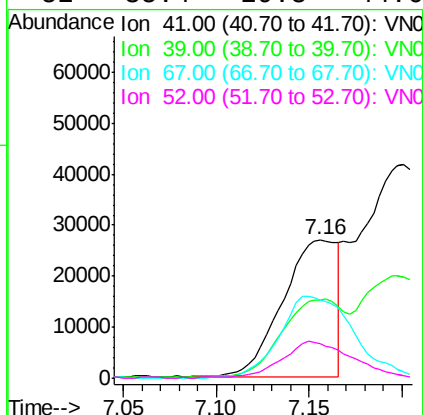
#41
Methacrylonitrile
Concen: 18.013 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tot Ion	41	Resp	55058
Ion	Ratio	Lower	Upper
41	100		
39	65.6	53.6	80.4
67	81.9	65.4	98.2
52	35.4	29.8	44.6

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

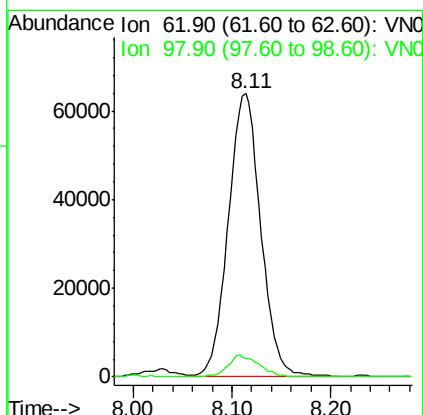
Manual Integrations
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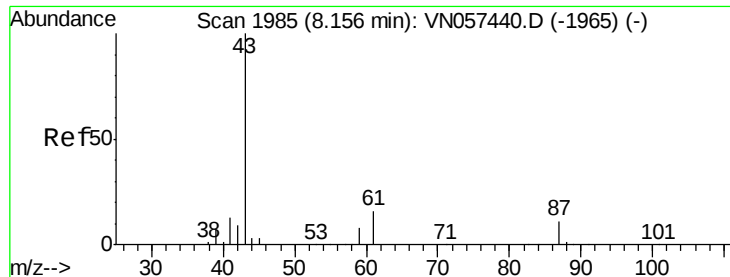
MMDadoda
8/26/2019 1:13:06 PM



#42
1,2-Dichloroethane
Concen: 19.570 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	62	Resp	146711
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.4





#43

Isopropyl Acetate

Concen: 18.448 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

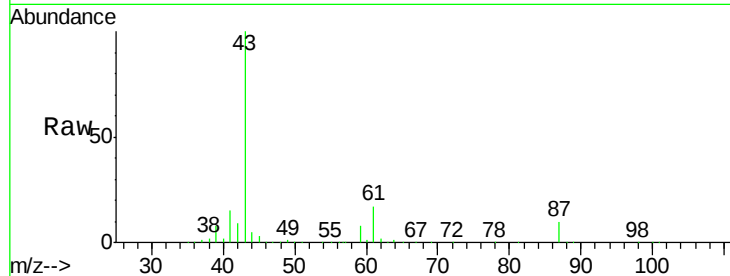
ClientSampled :

VN0824WBS01

Tot Ion:	43	Resp:	216835
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	10.8	8.6	12.8

Manual Integrations
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8/26/2019 1:13:06 PM

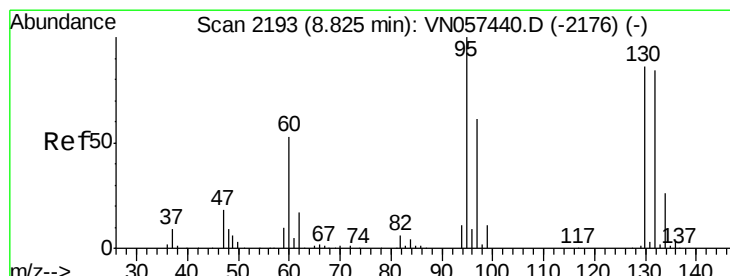
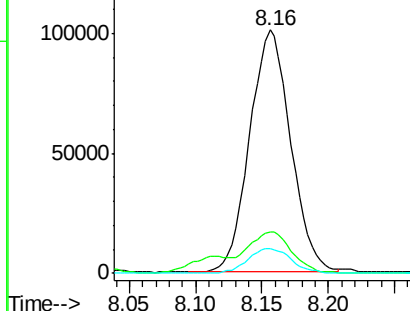
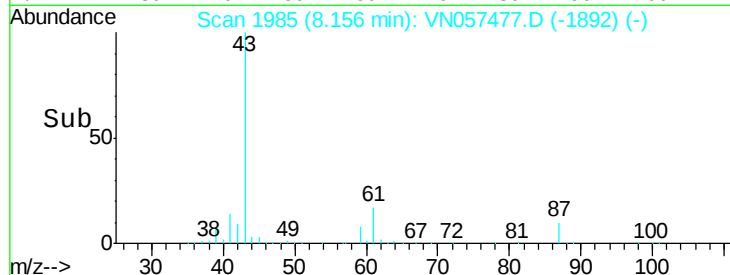


Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN057440.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN057440.D (-1965) (-)

Time-->



#44

Trichloroethene

Concen: 19.239 ug/l

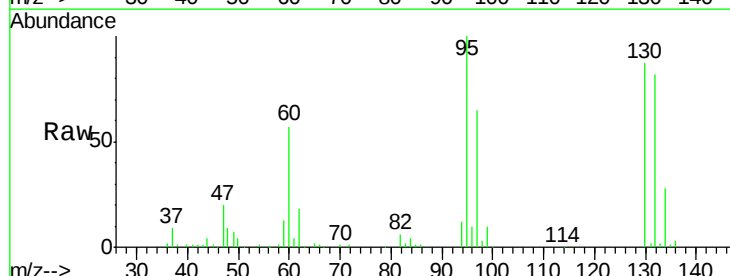
RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

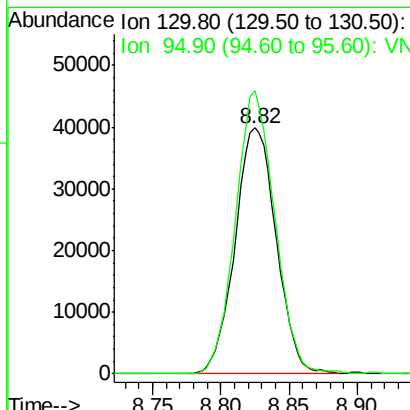
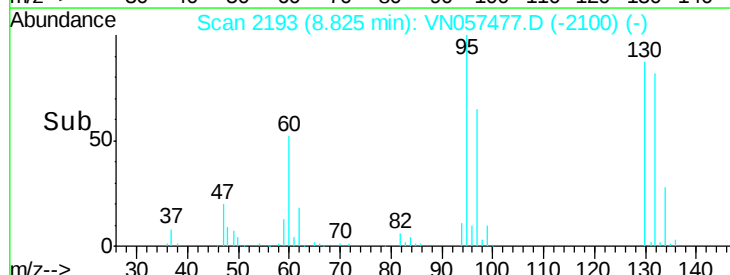
Tgt Ion:	130	Resp:	83616
Ion	Ratio	Lower	Upper
130	100		
95	115.2	0.0	231.6

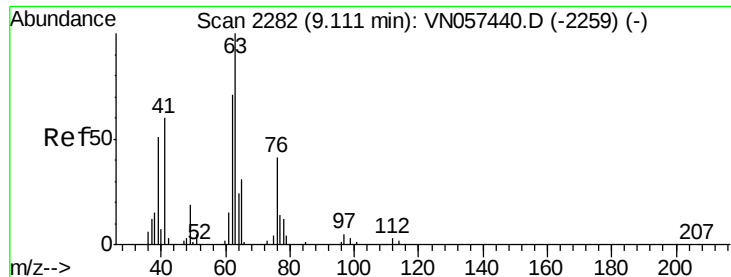


Abundance Ion 129.80 (129.50 to 130.50): VN057440.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN057440.D (-2176) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.172 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 63 Resp: 105128

Ion Ratio Lower Upper

63 100

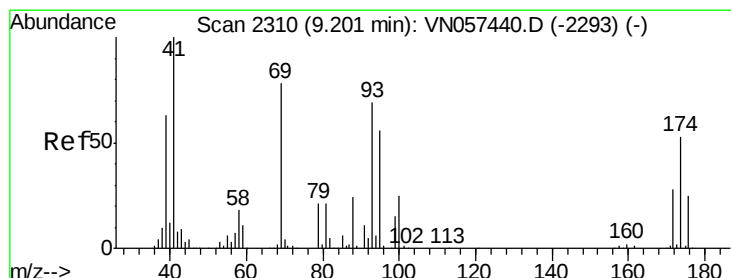
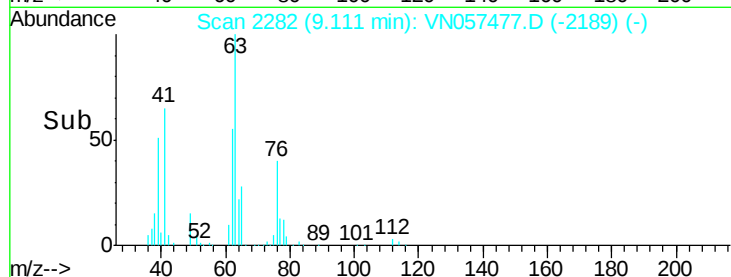
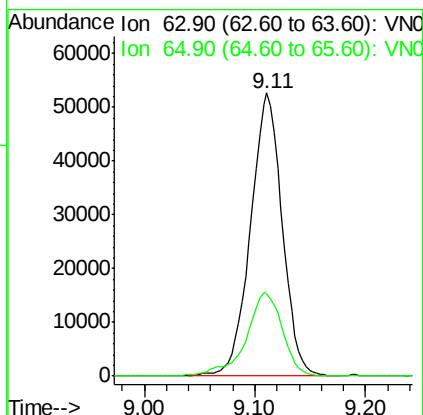
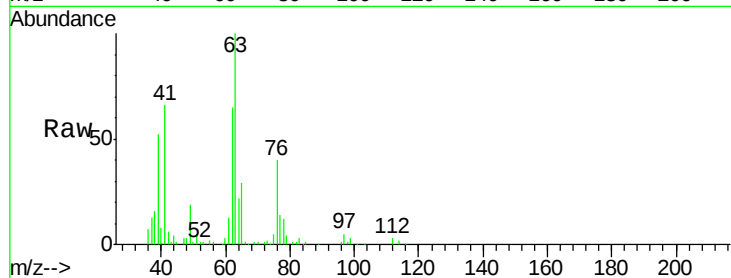
65 28.8 24.7 37.1

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#46

Dibromomethane

Concen: 19.014 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

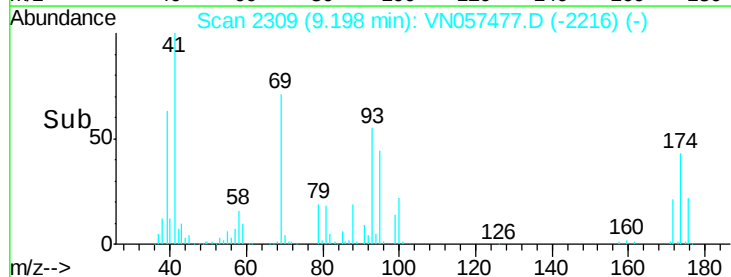
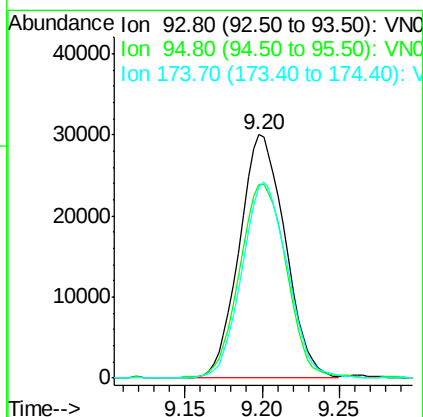
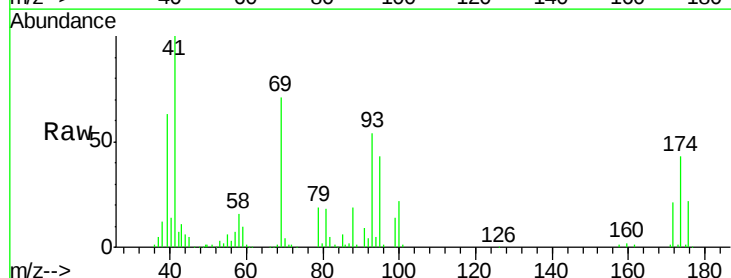
Tgt Ion: 93 Resp: 61859

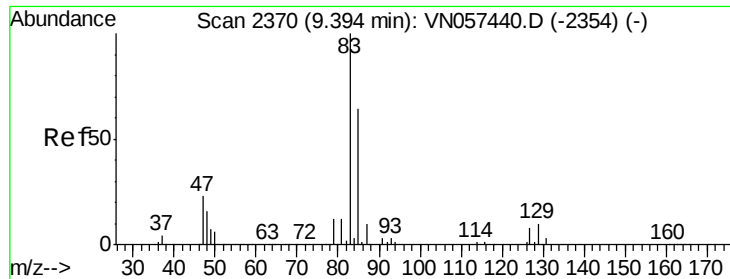
Ion Ratio Lower Upper

93 100

95 81.6 64.7 97.1

174 79.8 62.3 93.5





#47

Bromodichloromethane

Concen: 17.980 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

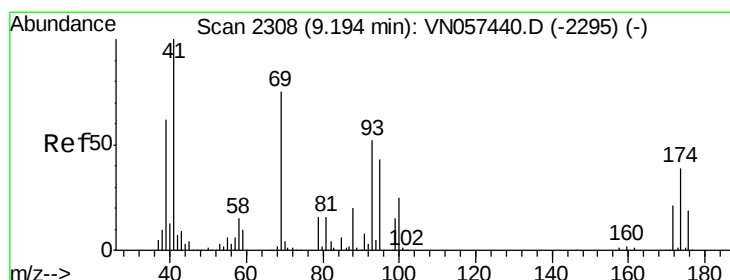
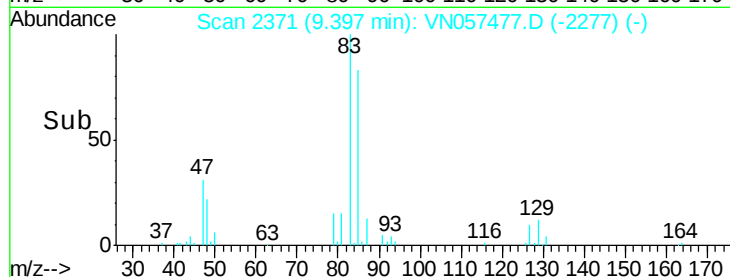
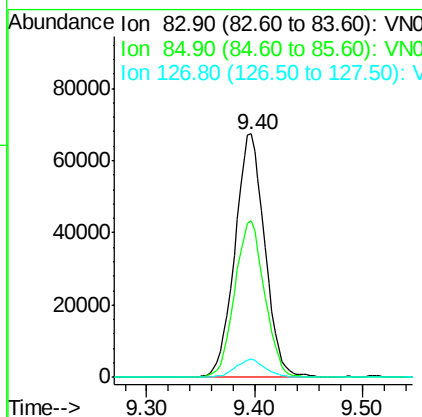
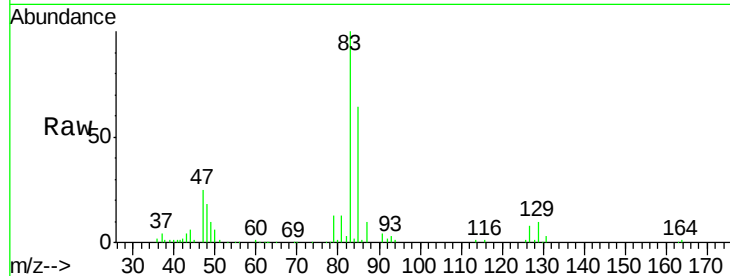
ClientSampleId :

VN0824WBS01

Tot Ion:	83	Resp:	130074
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.2	76.8
127	7.6	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.222 ug/l

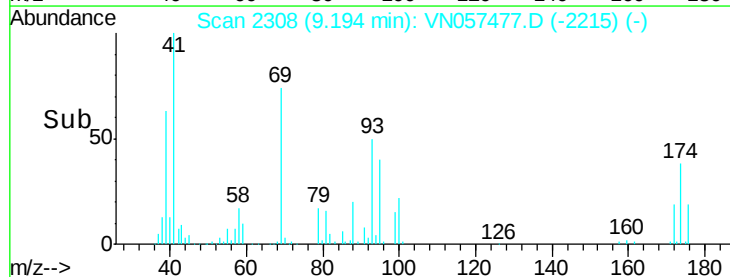
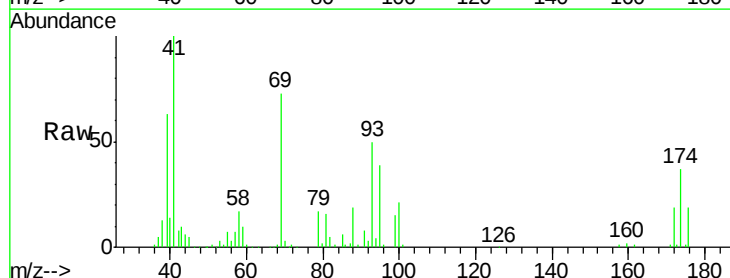
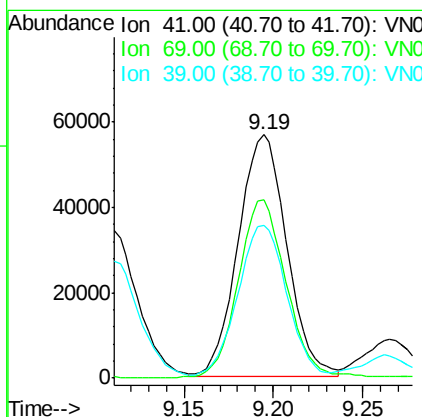
RT: 9.19 min Scan# 2308

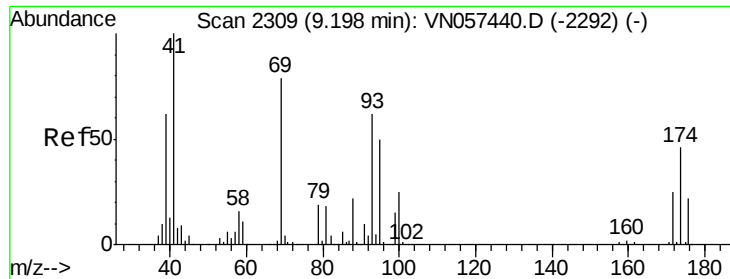
Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion:	41	Resp:	107435
Ion Ratio	Lower	Upper	
41	100		
69	74.2	59.3	88.9
39	63.2	50.6	75.8





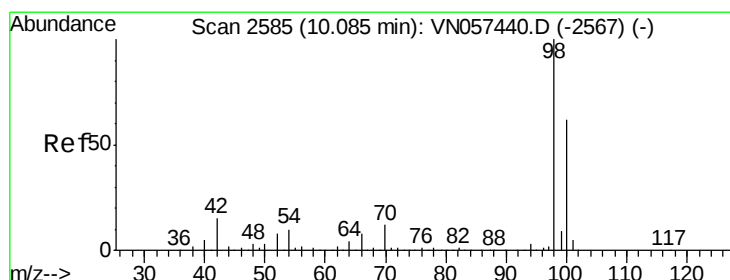
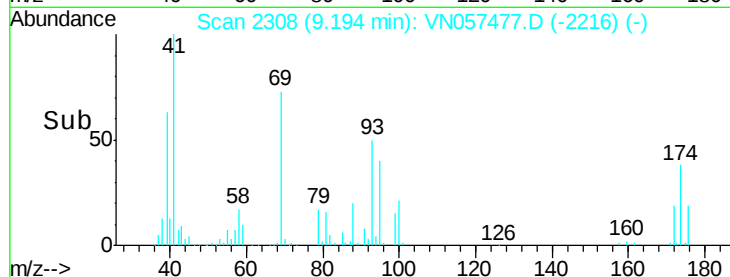
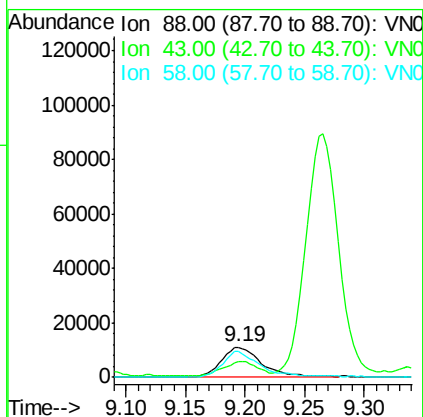
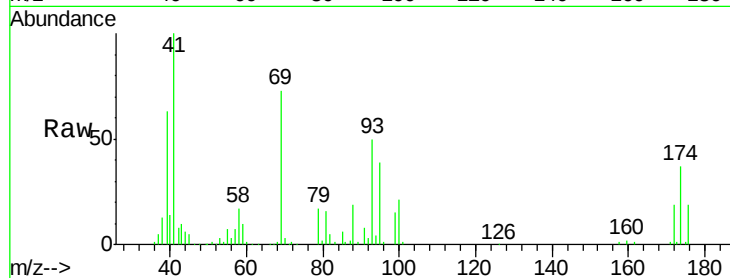
#49
1,4-Dioxane
Concen: 363.168 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.2	31.0	46.6
58	76.9	64.5	96.7

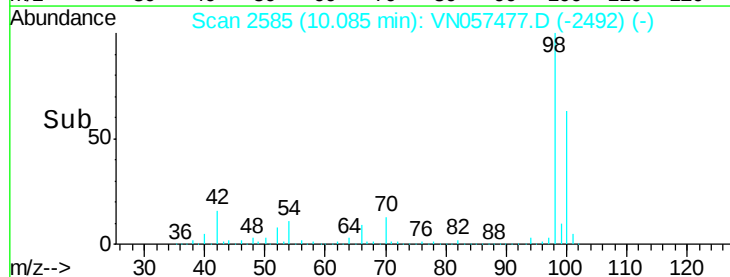
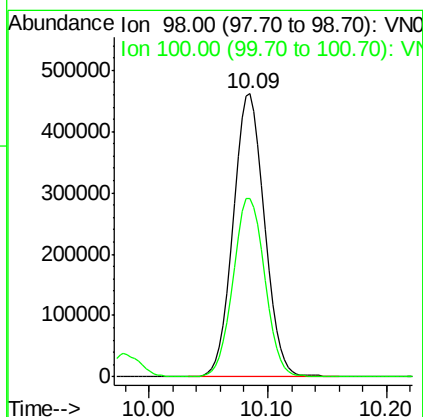
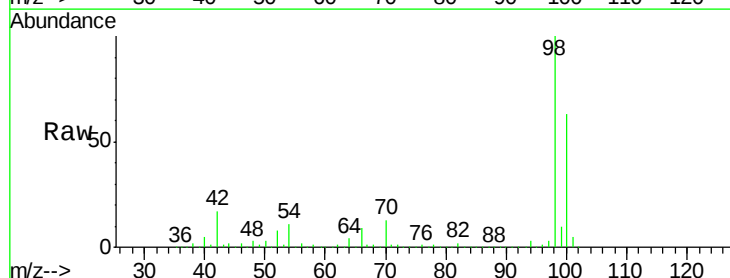
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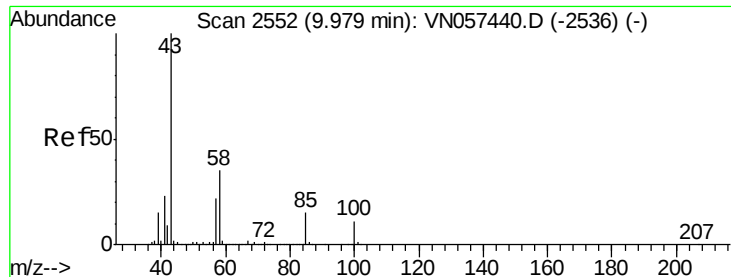
MMDadoda
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#50
Toluene-d8
Concen: 52.013 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 94.616 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 43 Resp: 619783

Ion Ratio Lower Upper

43 100

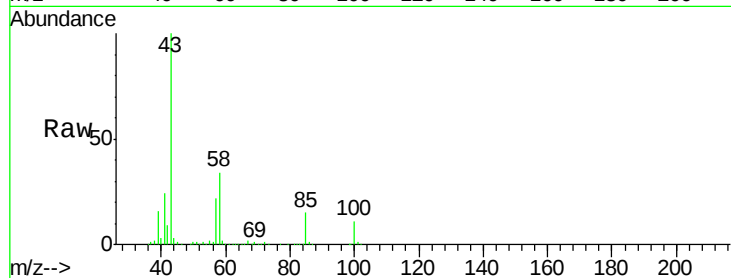
58 34.5 27.9 41.9

Manual Integrations

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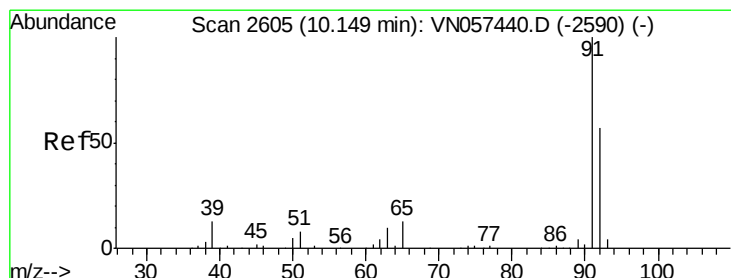
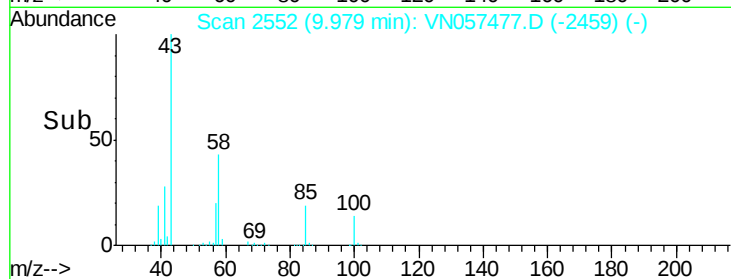
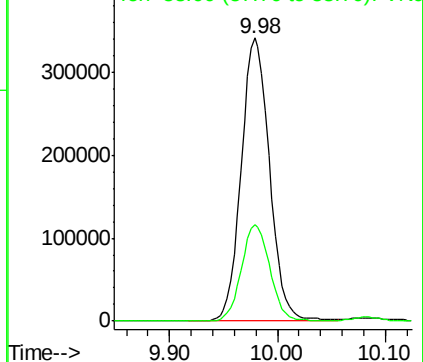
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.389 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057477.D

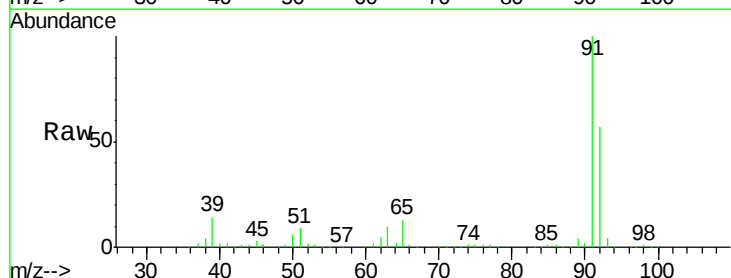
Acq: 23 Aug 2019 17:29

Tgt Ion: 92 Resp: 217577

Ion Ratio Lower Upper

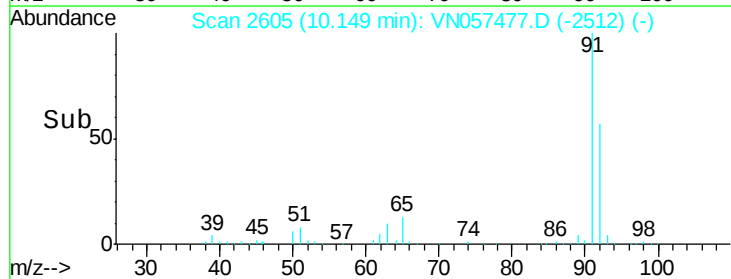
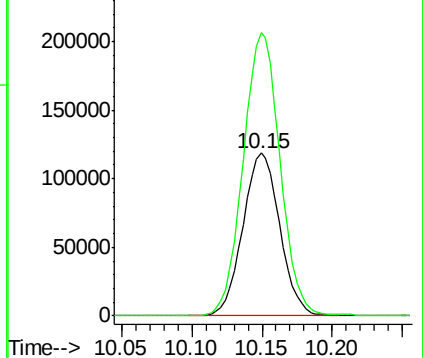
92 100

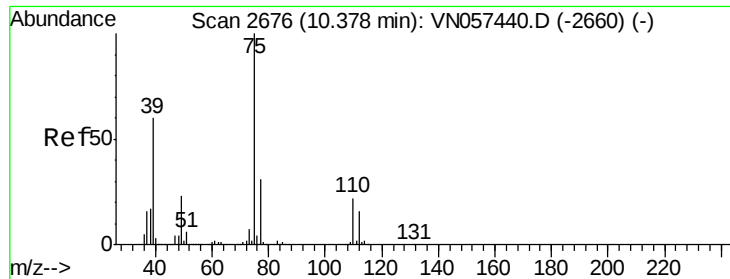
91 174.5 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





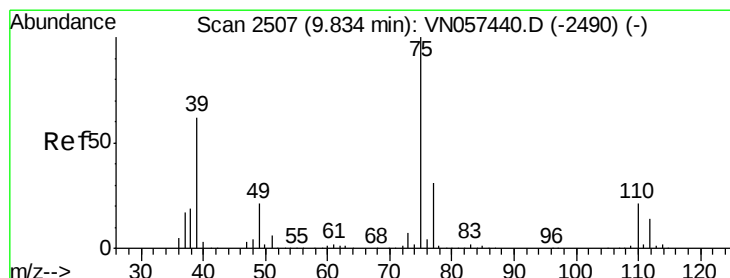
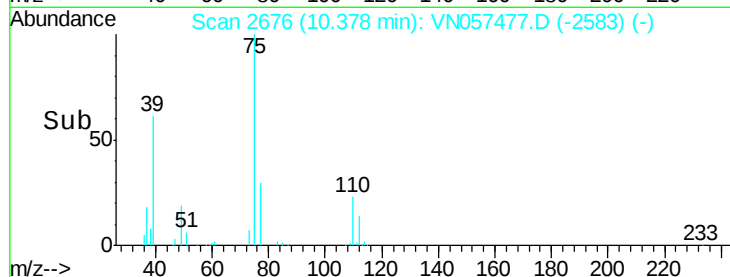
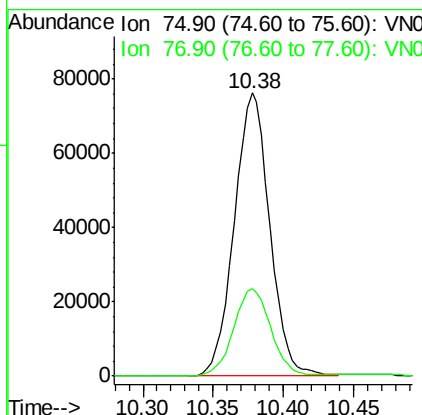
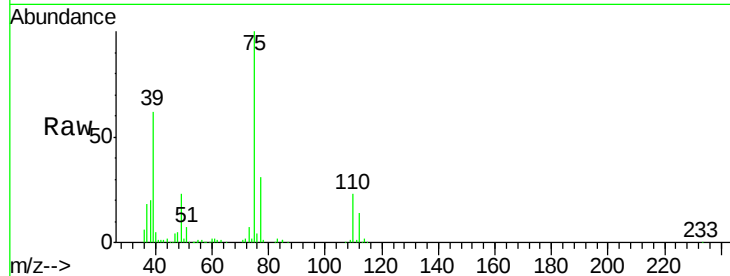
#53
 t-1,3-Dichloropropene
 Concen: 17.753 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion: 75 Resp: 134526
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.0 37.6

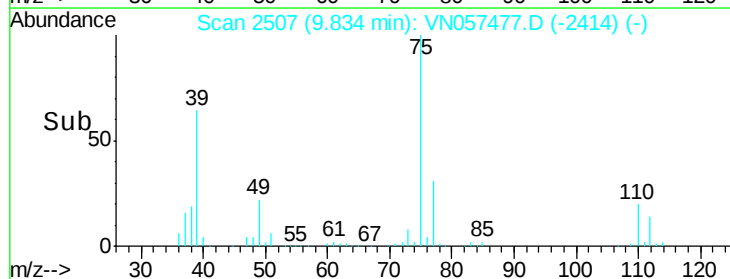
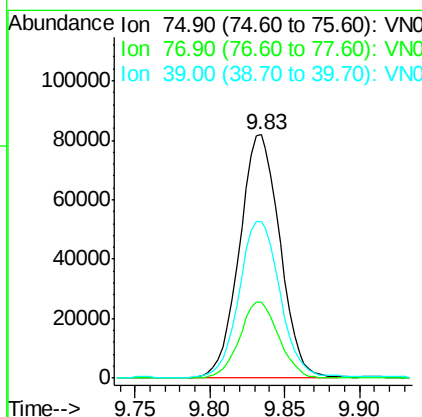
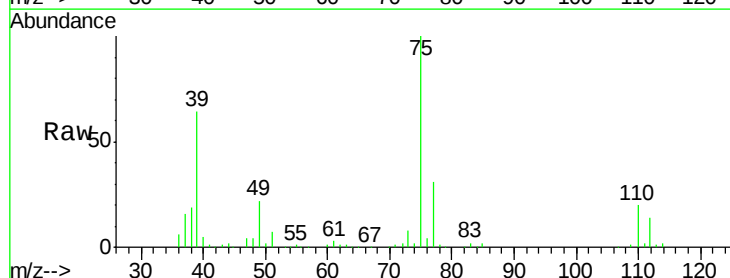
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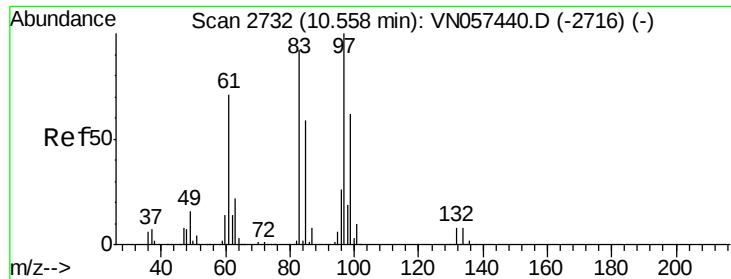
MMDadoda
 8/26/2019 1:13:06 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.246 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 75 Resp: 153939
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.6
 39 64.2 49.2 73.8





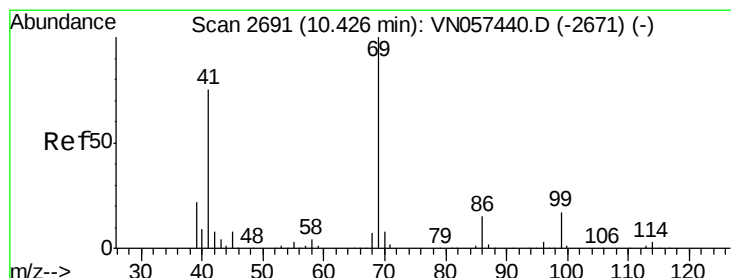
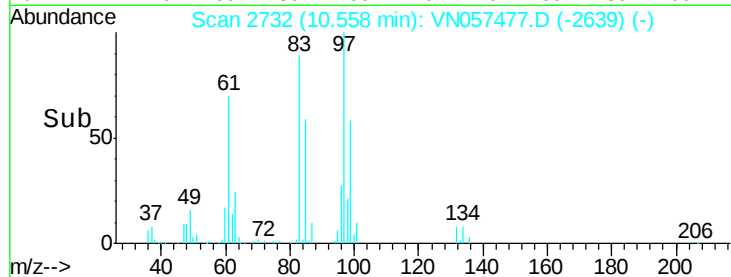
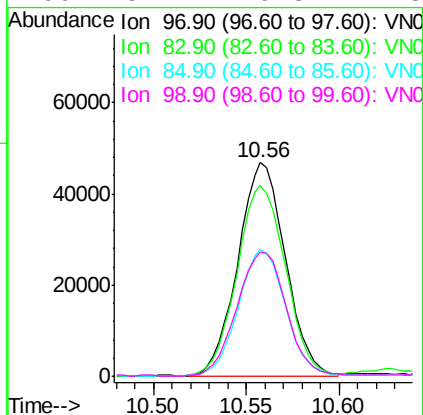
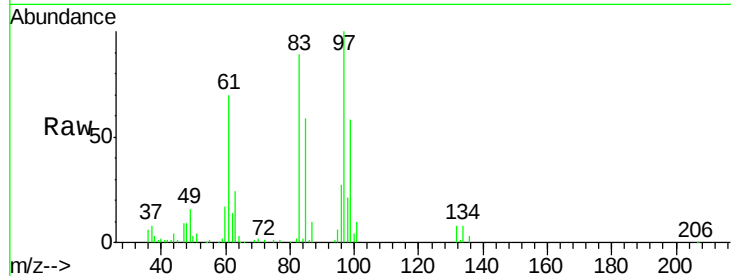
#55
 1,1,2-Trichloroethane
 Concen: 18.399 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion:	97	Resp:	83498
Ion	Ratio	Lower	Upper
97	100		
83	88.5	73.7	110.5
85	58.7	46.8	70.2
99	57.4	49.8	74.8

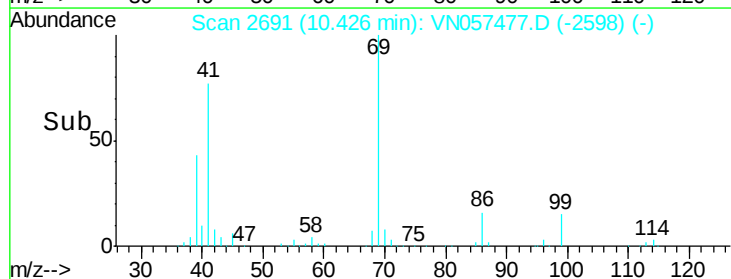
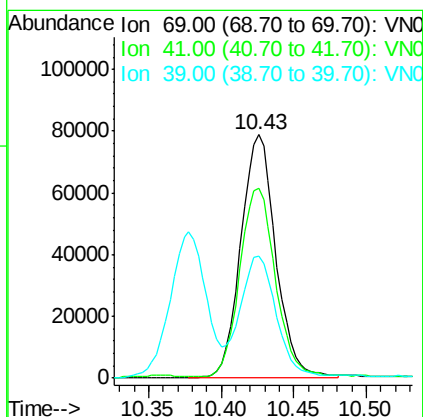
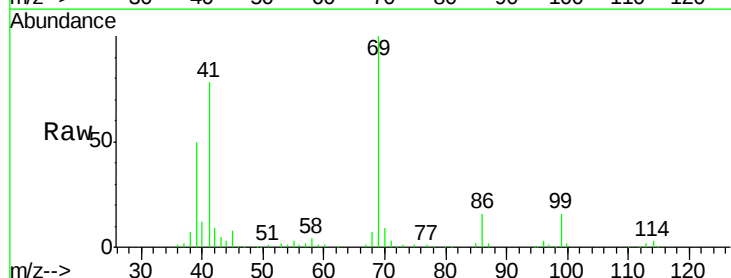
Manual Integrations
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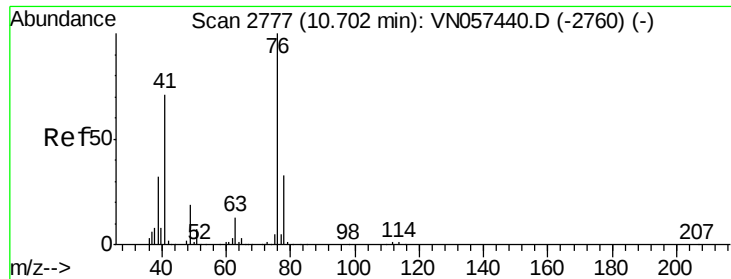
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 18.553 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion:	69	Resp:	132443
Ion	Ratio	Lower	Upper
69	100		
41	78.4	60.8	91.2
39	48.7	36.5	54.7





#57

1,3-Dichloropropane

Concen: 19.123 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 76 Resp: 151041

Ion Ratio Lower Upper

76 100

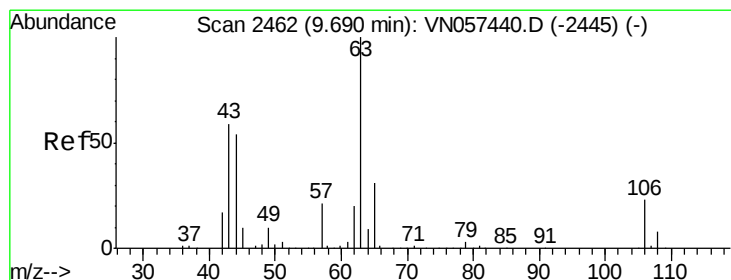
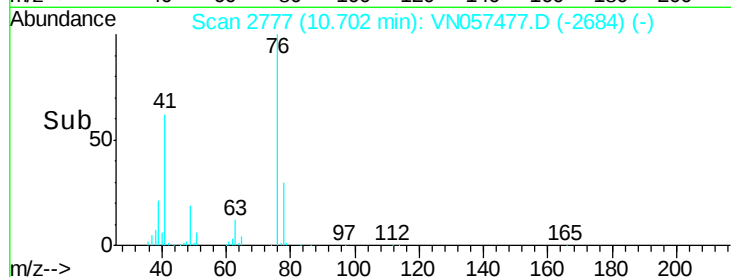
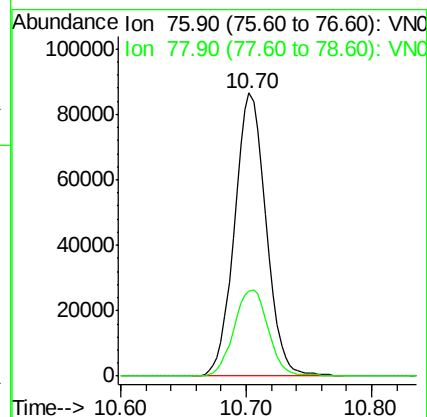
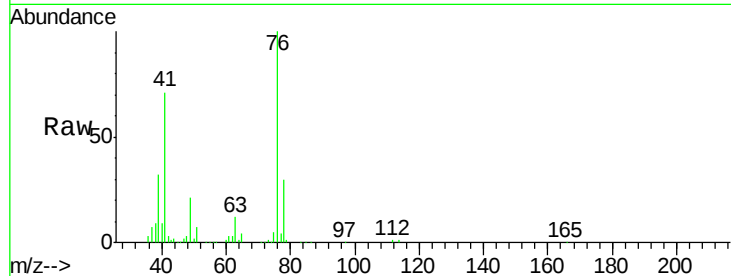
78 32.9 25.5 38.3

Manual Integrations

APPROVED

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8/26/2019 1:13:06 PM



#58

2-Chloroethyl Vinyl ether

Concen: 127.667 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057477.D

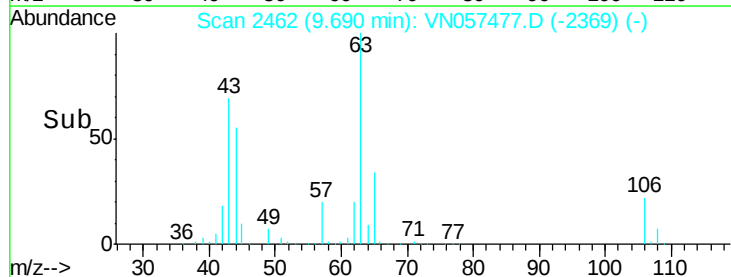
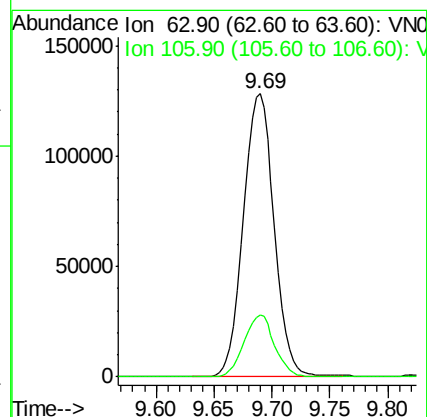
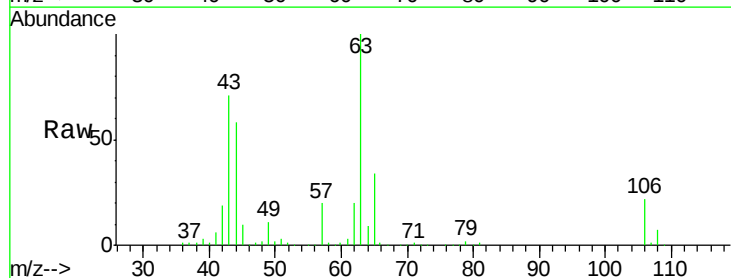
Acq: 23 Aug 2019 17:29

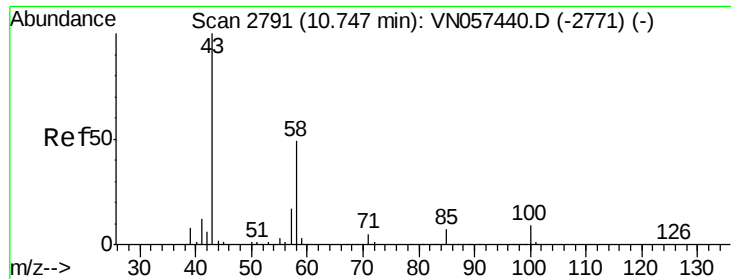
Tgt Ion: 63 Resp: 236010

Ion Ratio Lower Upper

63 100

106 21.8 18.6 27.8





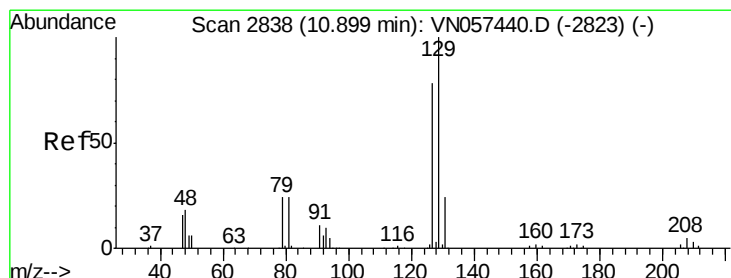
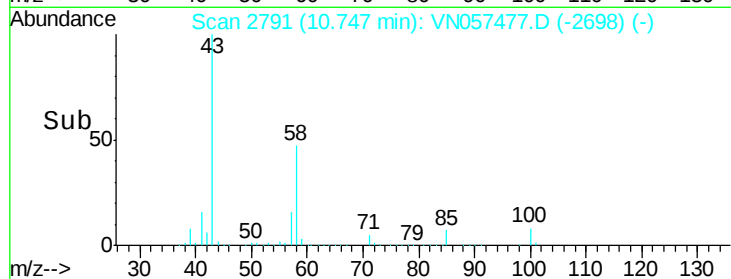
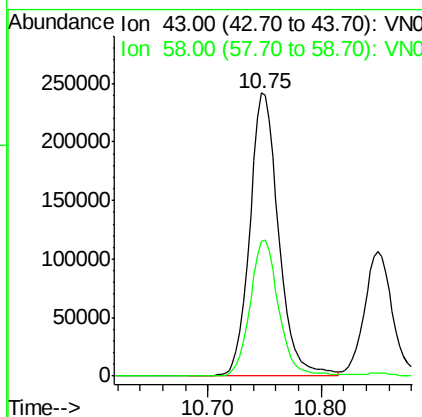
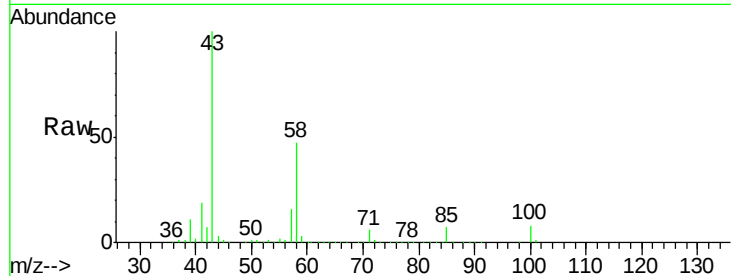
#59
2-Hexanone
Concen: 94.876 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.0	24.6	73.6

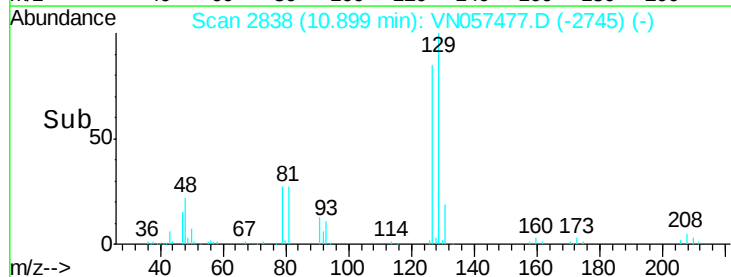
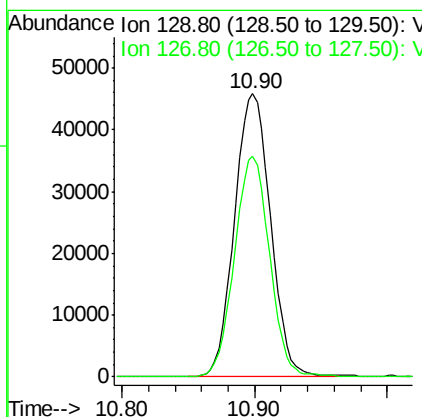
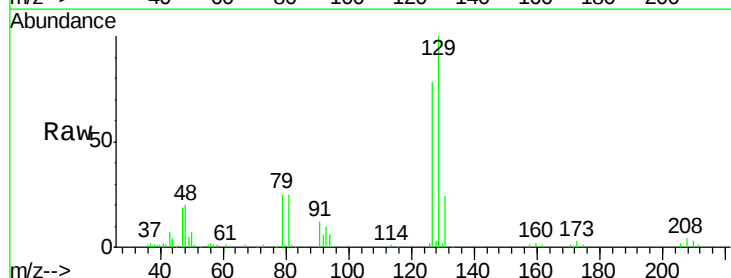
Manual Integrations
APPROVED

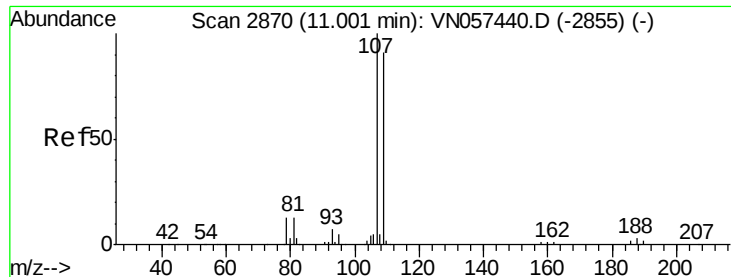
MMDadoda
8/26/2019 1:13:06 PM



#60
Dibromochloromethane
Concen: 18.074 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	39.0	116.9





#61

1,2-Dibromoethane

Concen: 18.813 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

Tot Ion: 107 Resp: 83736

Ion Ratio Lower Upper

107 100

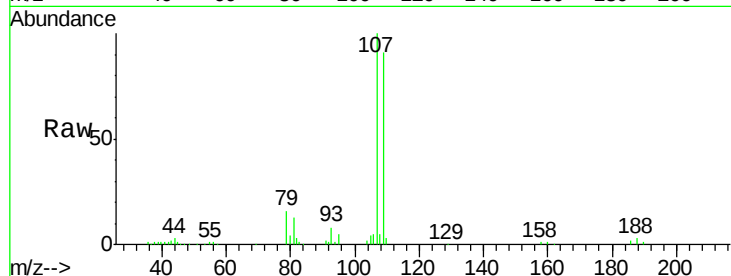
109 92.2 73.8 110.8

Manual Integrations

APPROVED

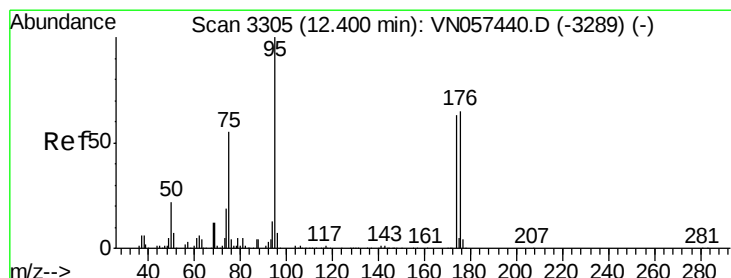
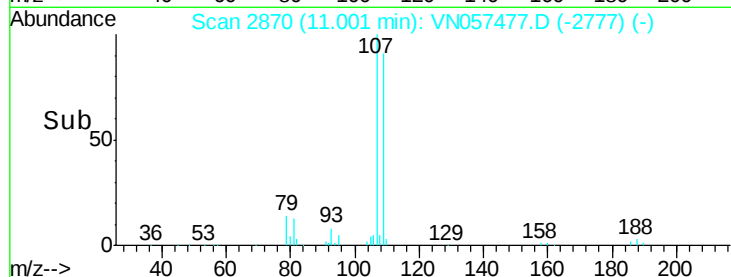
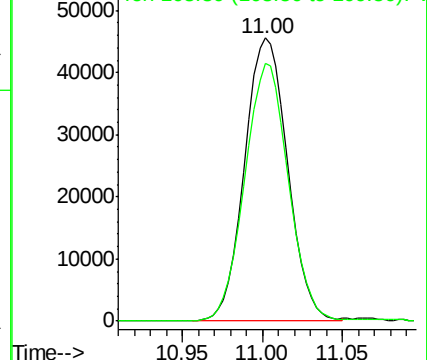
MMDadoda

8/26/2019 1:13:06 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.182 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

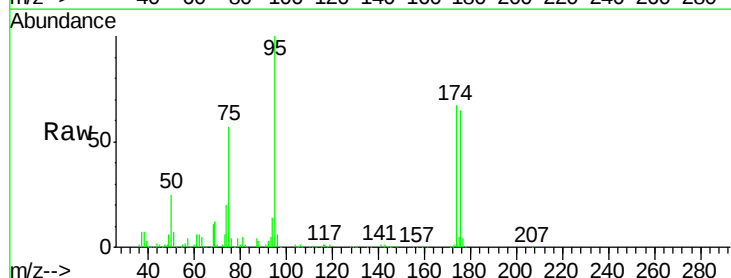
Tgt Ion: 95 Resp: 264753

Ion Ratio Lower Upper

95 100

174 68.2 0.0 133.0

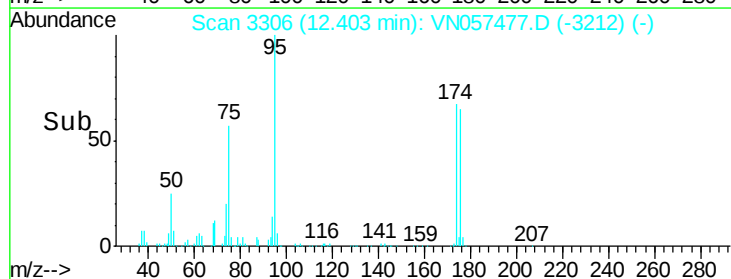
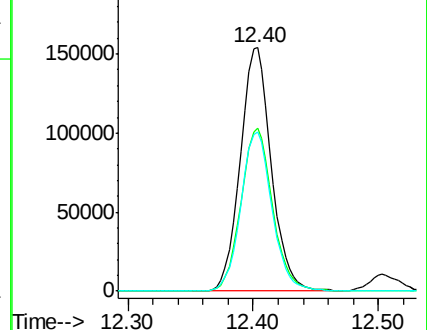
176 65.7 0.0 130.8

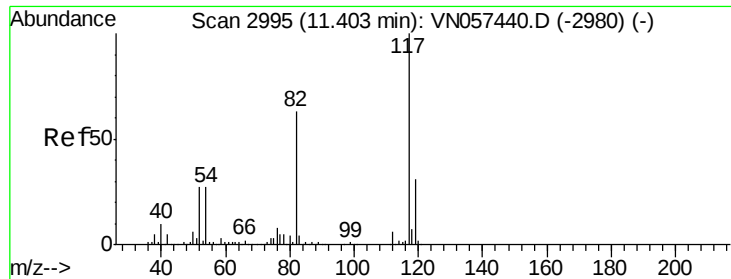


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





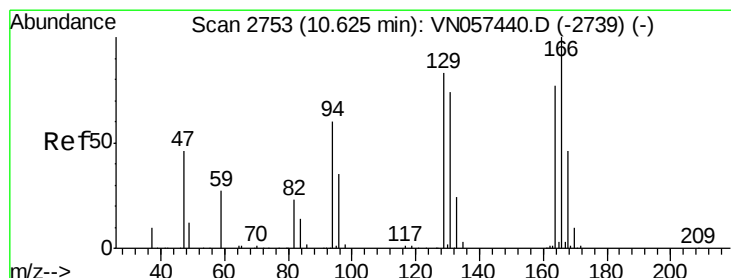
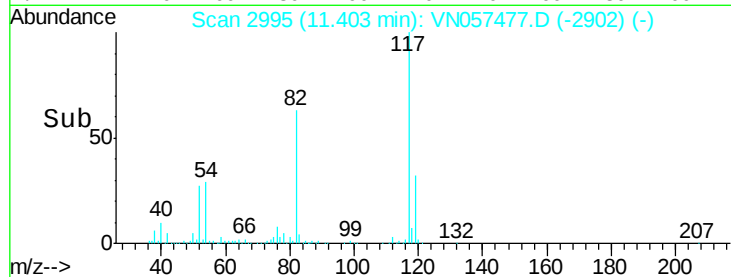
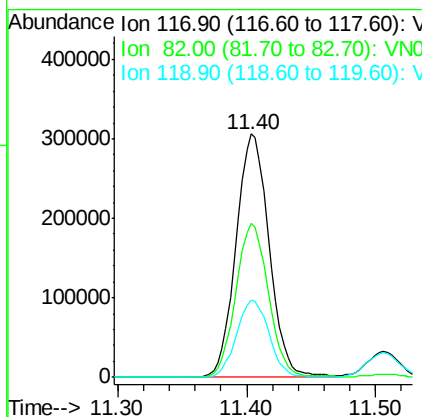
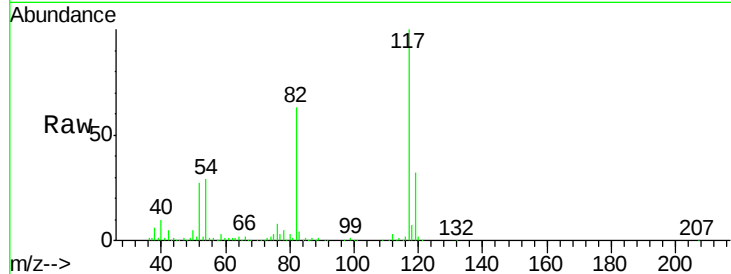
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	547528		
82	63.1		50.6	75.8
119	31.6		24.6	36.8

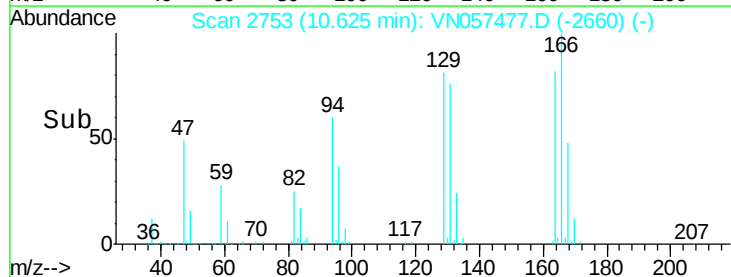
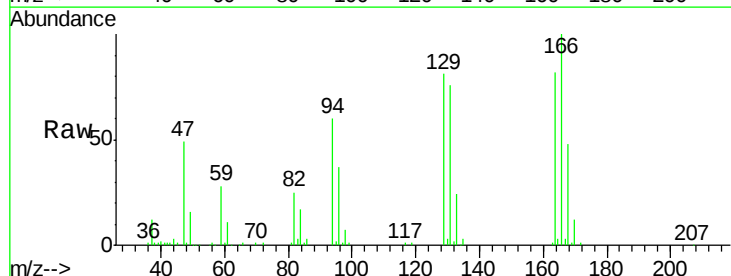
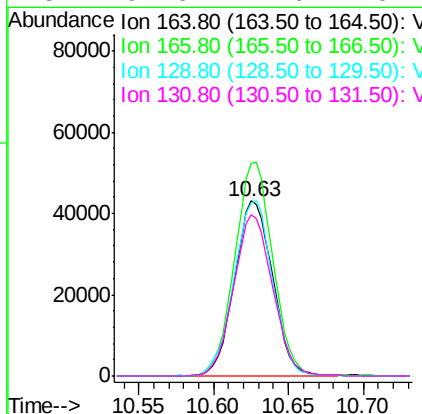
Manual Integrations
APPROVED

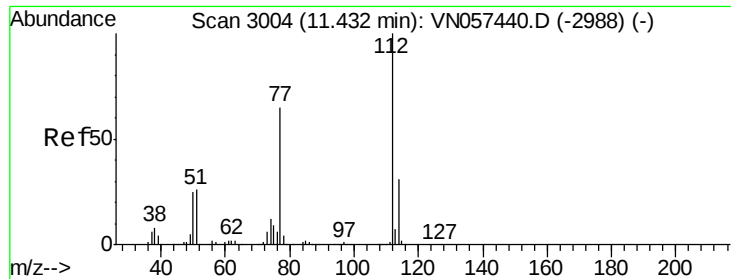
MMDadoda
8/26/2019 1:13:06 PM



#64
Tetrachloroethene
Concen: 19.887 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76179		
166	121.9		104.4	156.6
129	99.1		86.6	130.0
131	92.6		77.6	116.4





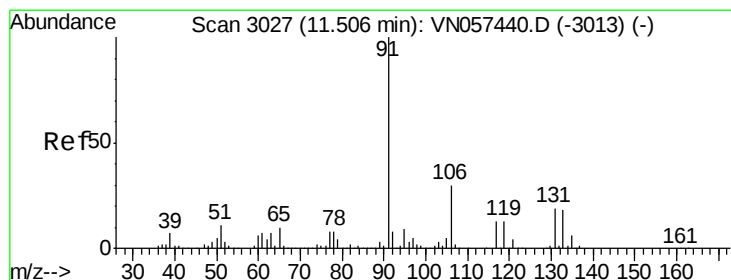
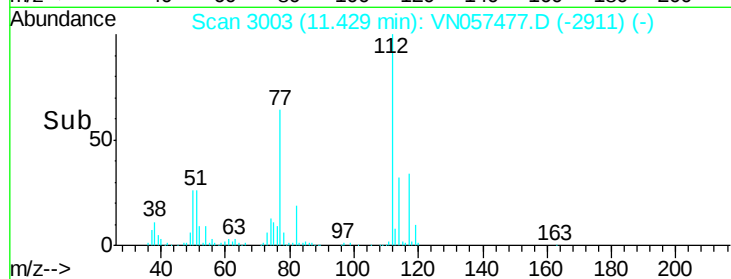
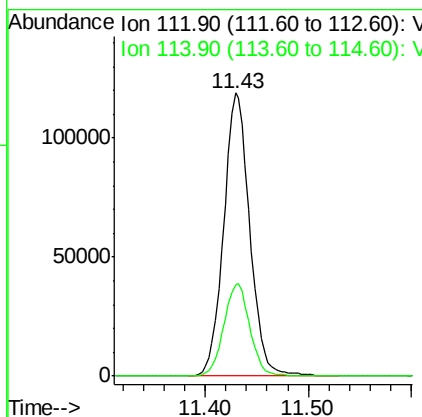
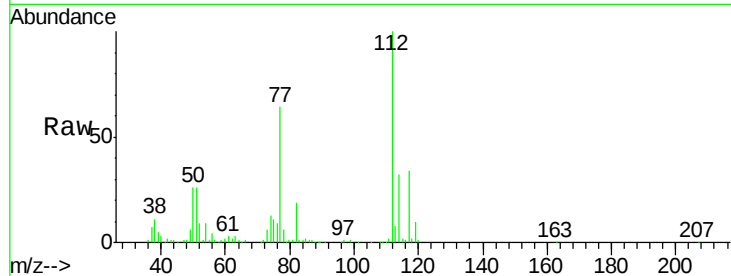
#65
Chlorobenzene
Concen: 18.901 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampled :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	24.8	37.2

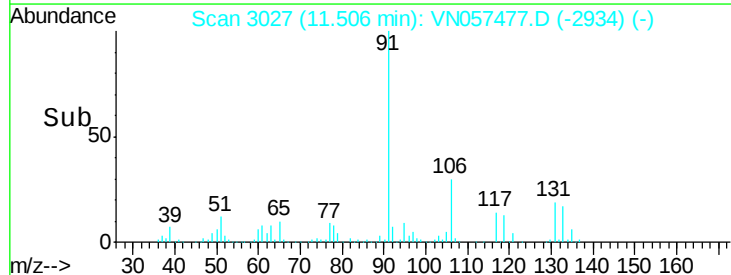
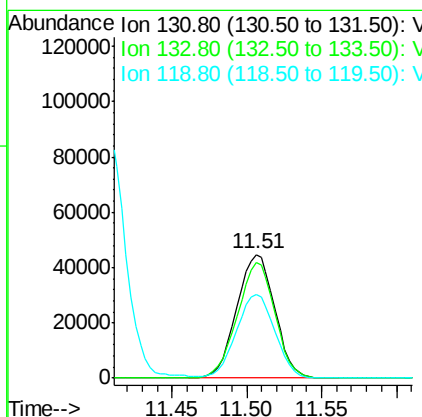
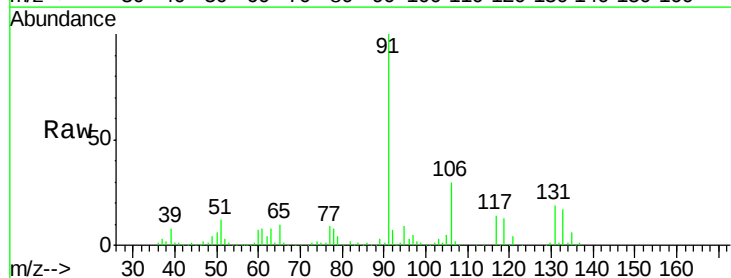
Manual Integrations
APPROVED

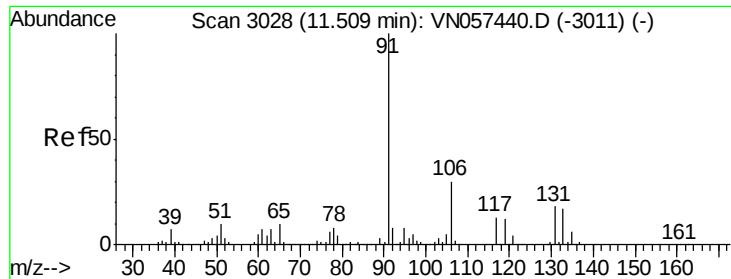
MMDadoda
8/26/2019 1:13:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.686 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.9	47.6	142.8
119	68.5	34.4	103.2





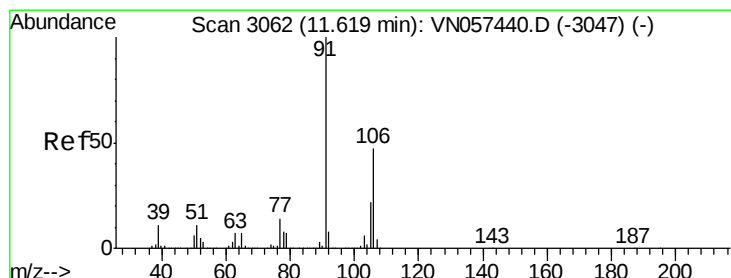
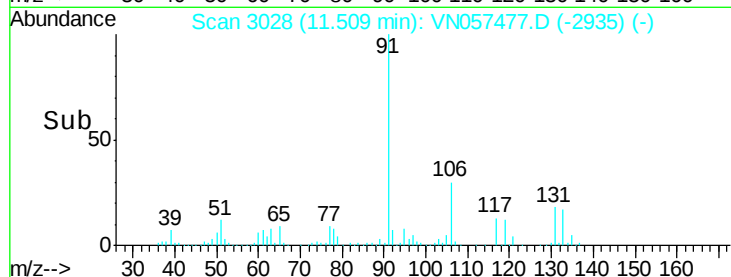
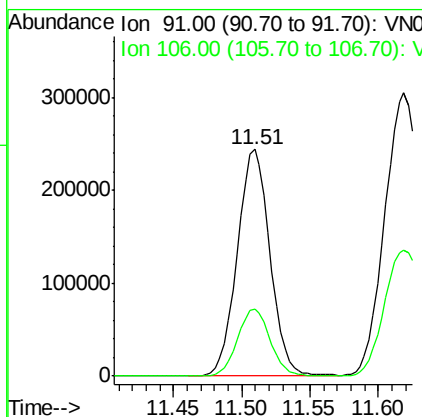
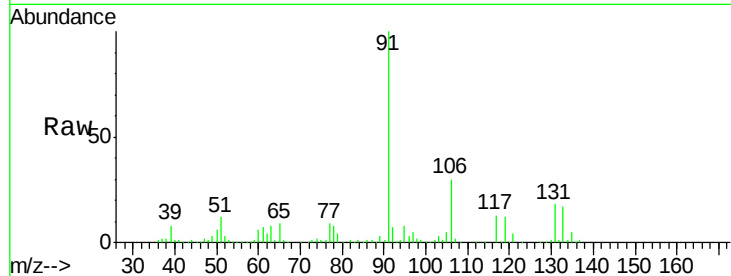
#67
Ethyl Benzene
Concen: 18.990 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion: 91 Resp: 406826
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1

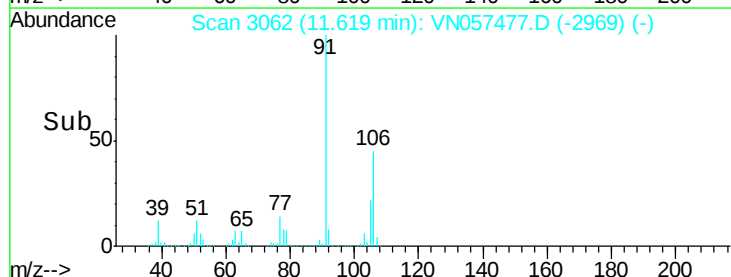
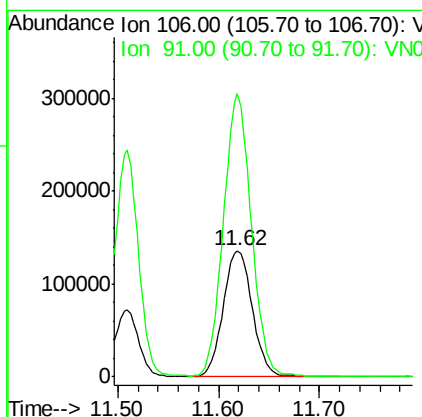
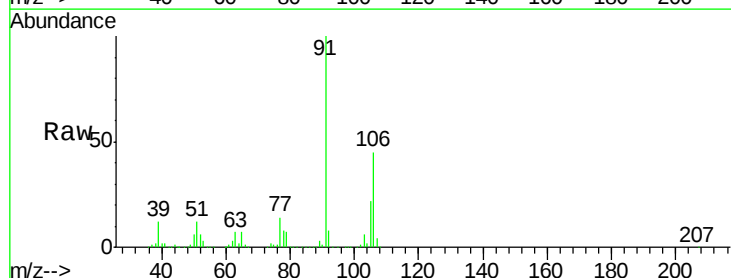
Manual Integrations
APPROVED

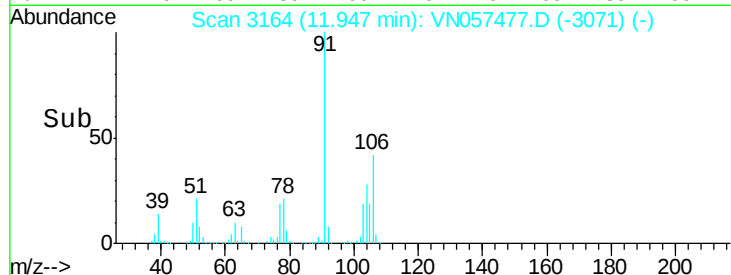
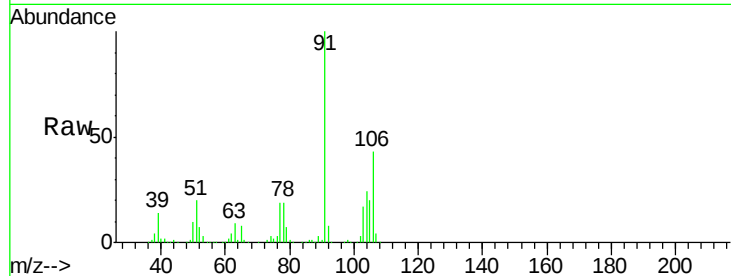
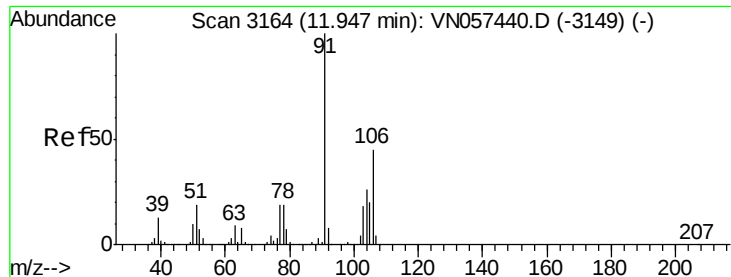
MMDadoda
8/26/2019 1:13:06 PM



#68
m/p-Xylenes
Concen: 37.707 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion: 106 Resp: 274716
Ion Ratio Lower Upper
106 100
91 214.9 171.8 257.6





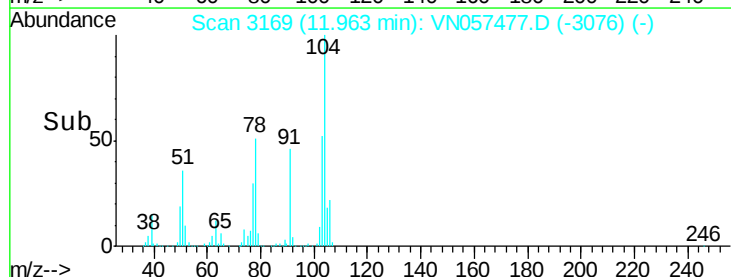
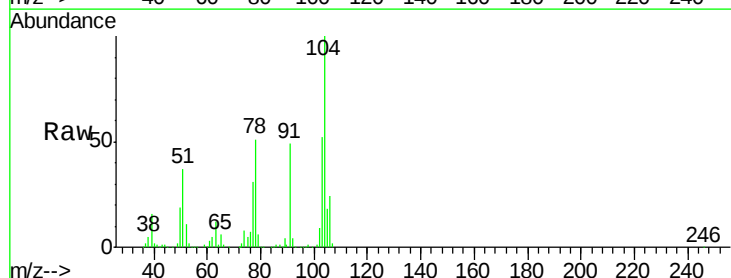
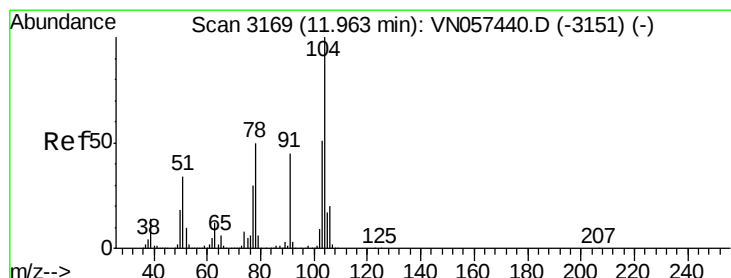
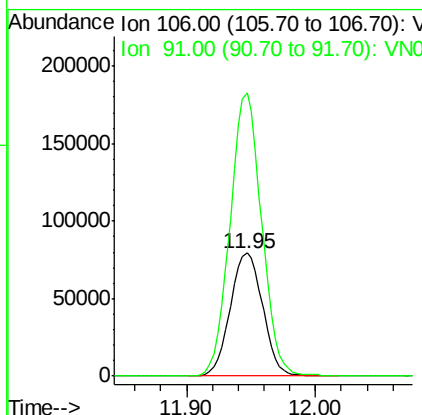
#69
o-Xylene
Concen: 19.325 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tot Ion	Ratio	Resp	Lower	Upper
106	100	139476		
91	222.7	112.3	336.9	

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

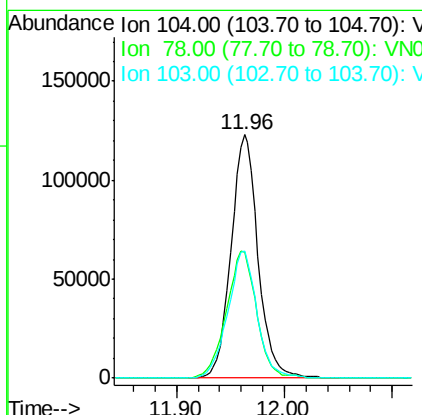
Manual Integrations
APPROVED

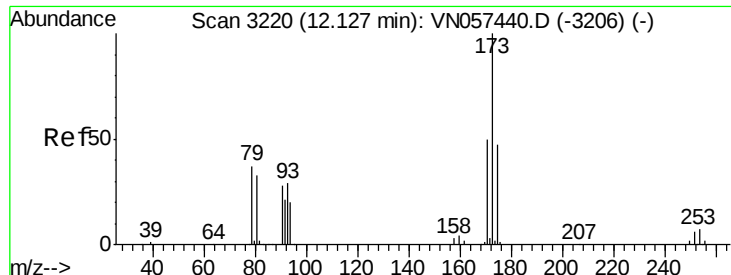
MMDadoda
8/26/2019 1:13:06 PM



#70
Styrene
Concen: 18.815 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	215025		
78	58.3	44.7	67.1	
103	56.5	44.4	66.6	





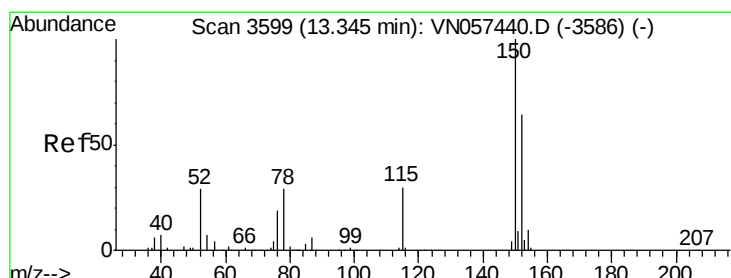
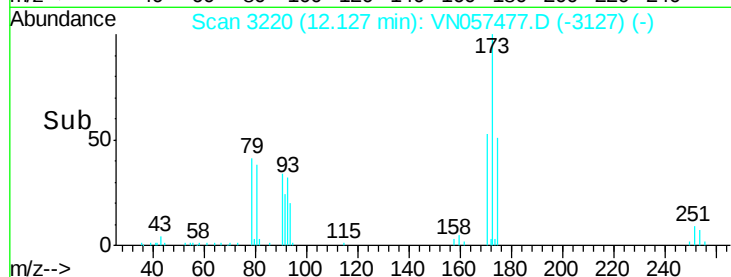
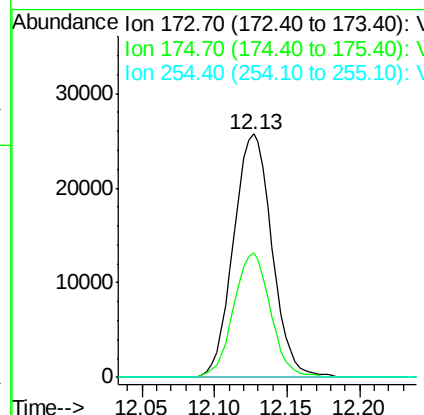
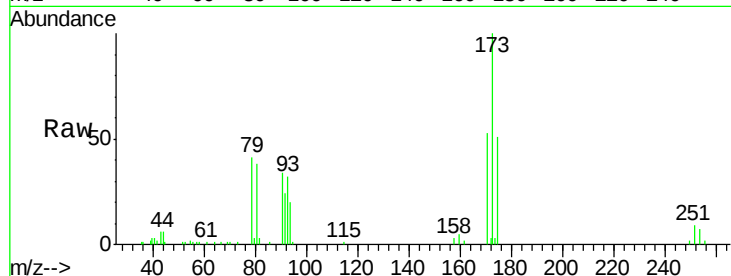
#71
Bromoform
Concen: 16.542 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.9	71.8
254	0.0	0.1	0.1#

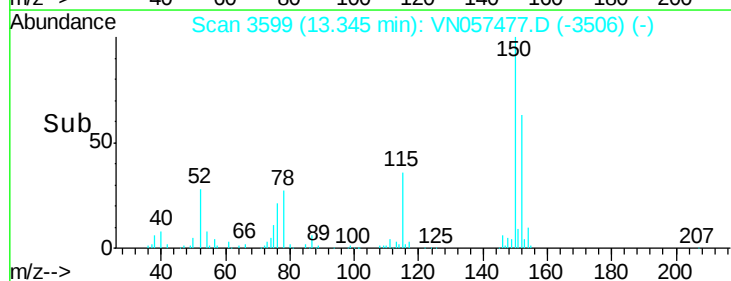
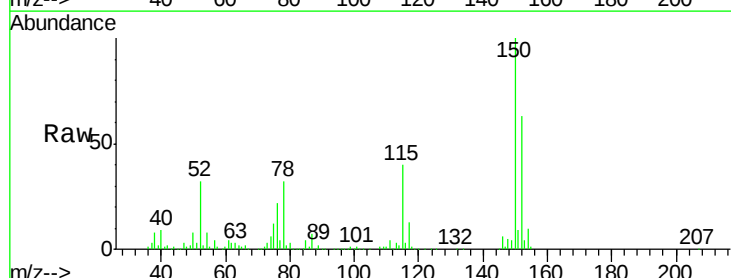
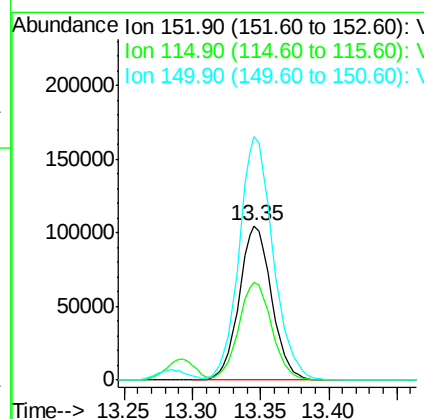
Manual Integrations
APPROVED

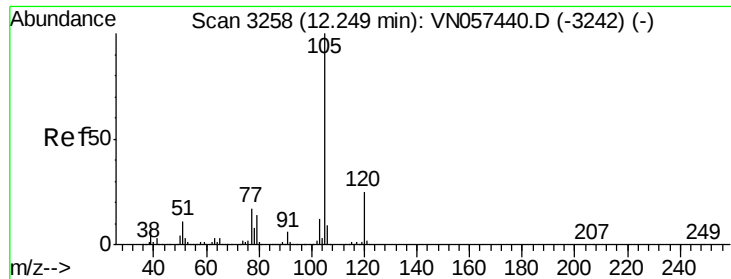
MMDadoda
8/26/2019 1:13:06 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	32.0	96.0
150	165.6	0.0	346.6





#73

Isopropylbenzene

Concen: 21.711 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

Tot Ion:105 Resp: 367220

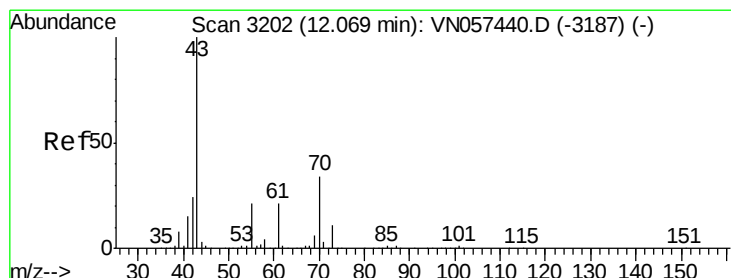
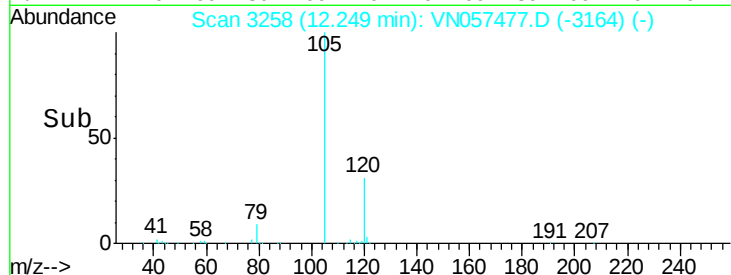
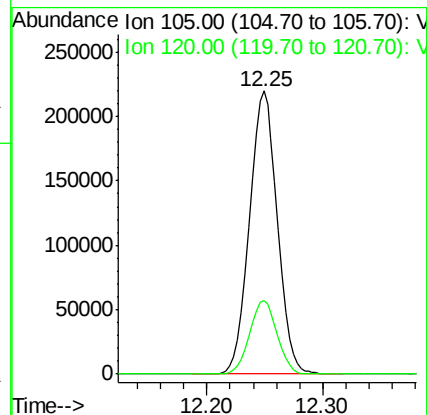
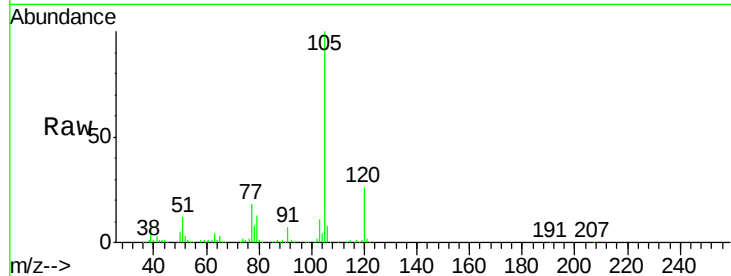
Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 1:13:06 PM



#74

N-ethyl acetate

Concen: 22.024 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion: 43 Resp: 172703

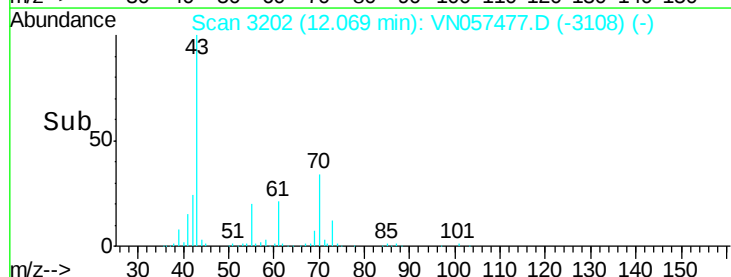
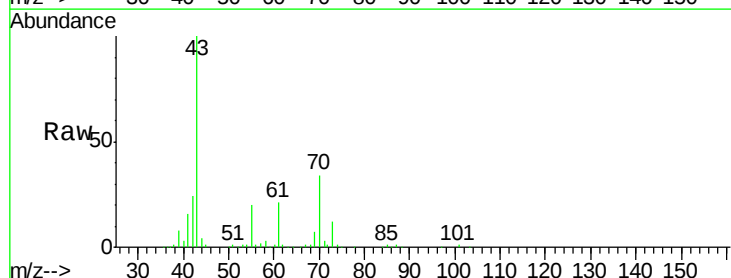
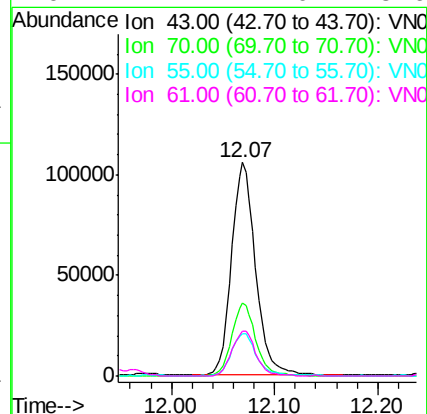
Ion Ratio Lower Upper

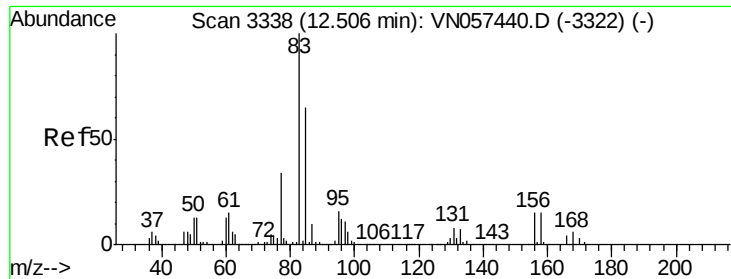
43 100

70 34.2 27.8 41.6

55 19.9 17.0 25.4

61 21.1 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.136 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 83 Resp: 111297
Ion Ratio Lower Upper

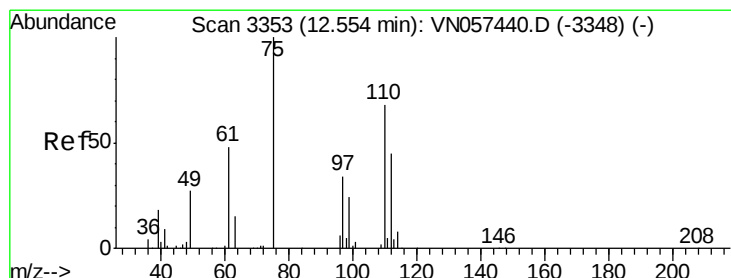
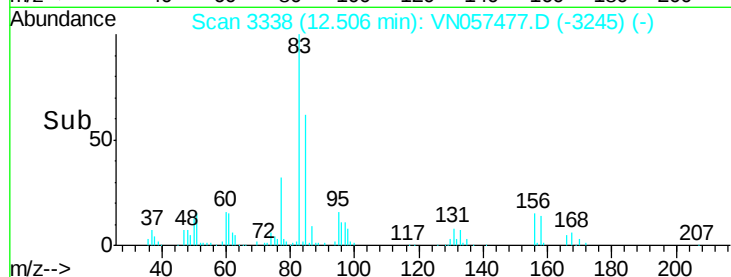
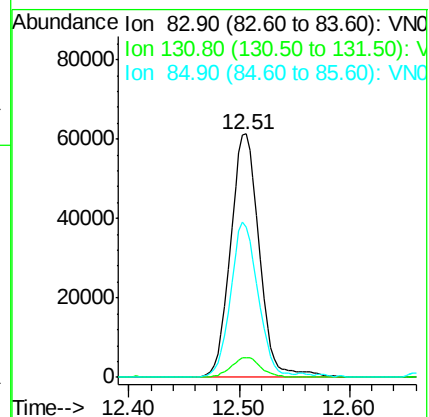
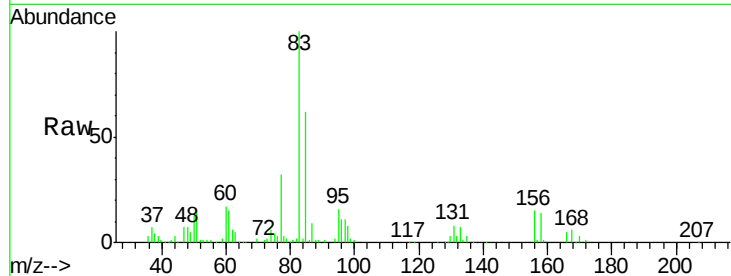
83 100

131 8.3 4.3 13.1

85 60.7 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 25.644 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

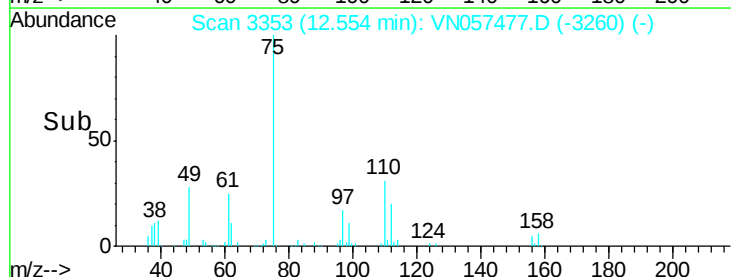
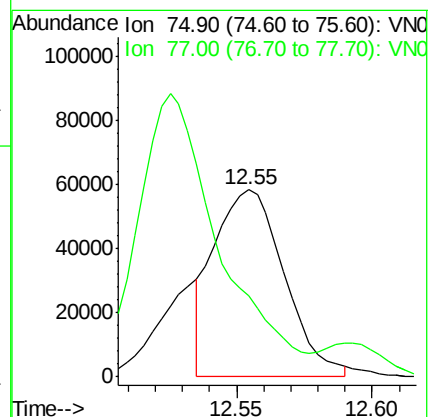
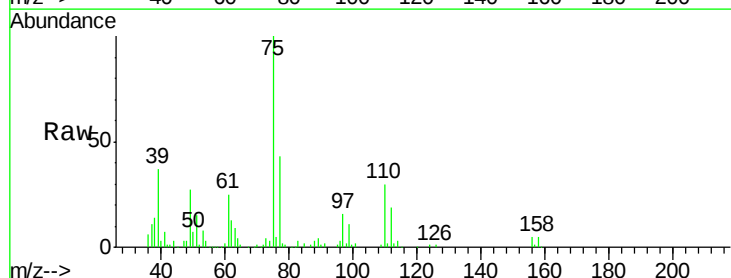
Lab File: VN057477.D

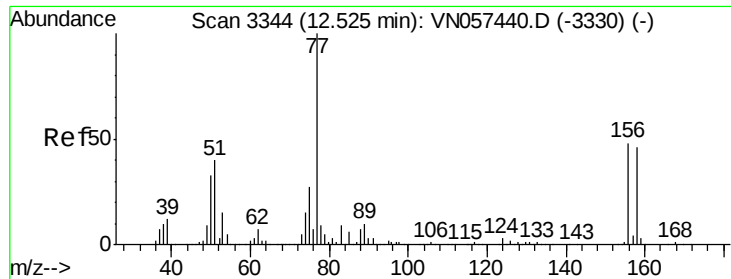
Acq: 23 Aug 2019 17:29

Tgt Ion: 75 Resp: 105052
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.668 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

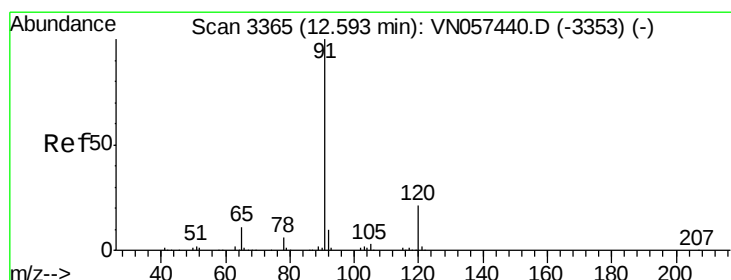
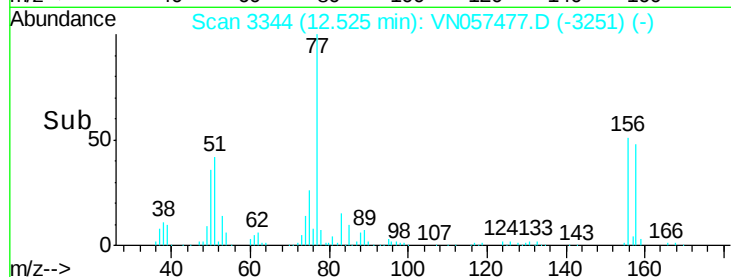
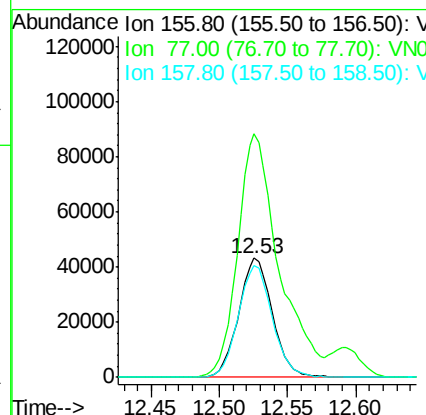
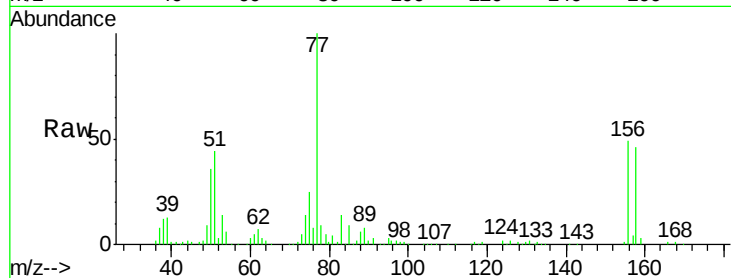
ClientSampleId :

VN0824WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	249.8	124.4	373.3
158	95.0	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.244 ug/l

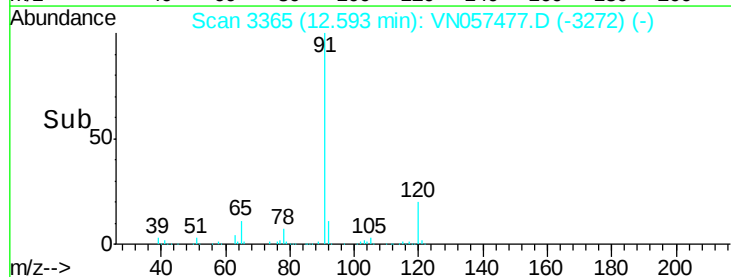
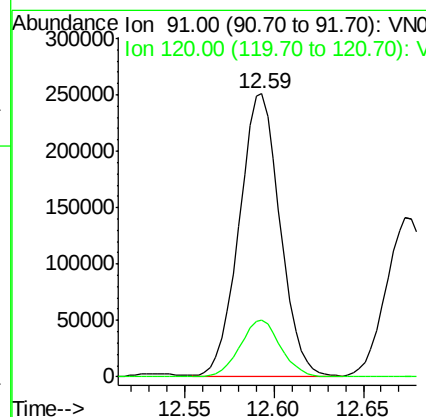
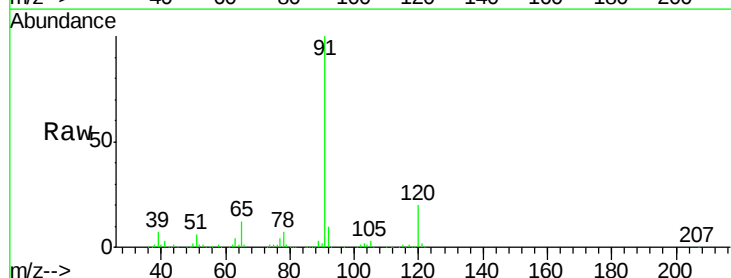
RT: 12.59 min Scan# 3365

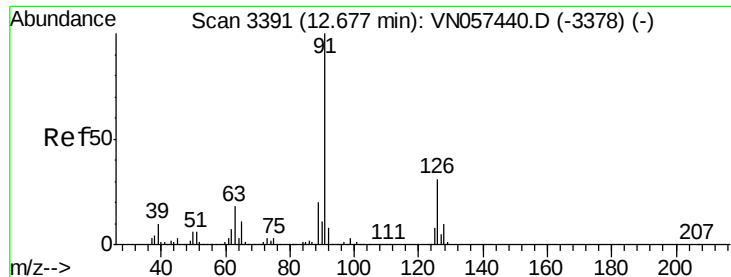
Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.7	32.1





#79

2-Chlorotoluene

Concen: 21.310 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion: 91 Resp: 238580

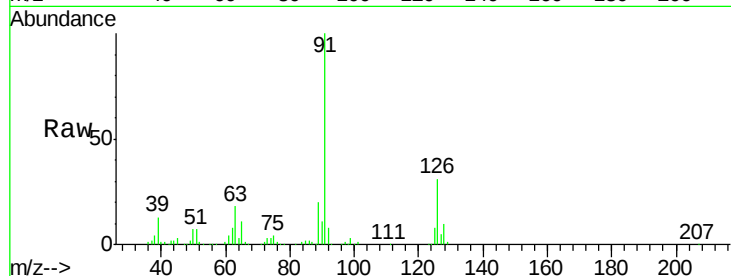
Ion Ratio Lower Upper

91 100

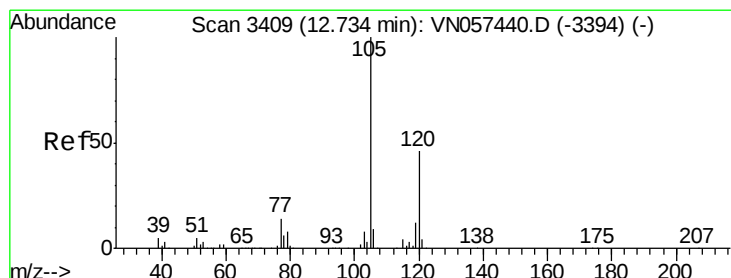
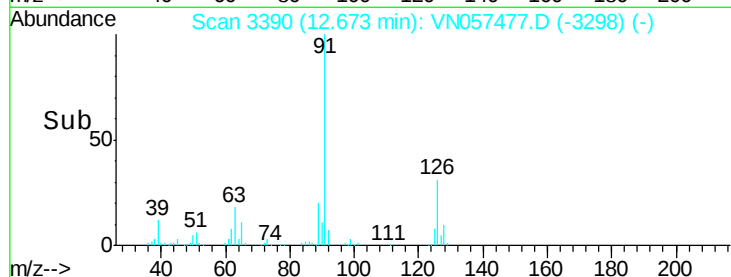
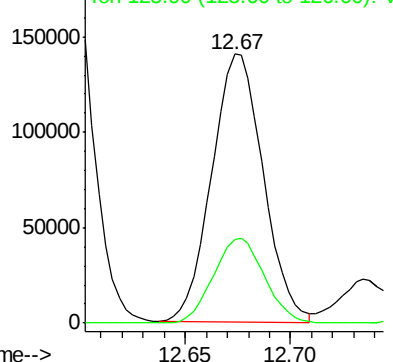
126 31.5 15.3 45.8

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



#80

1,3,5-Trimethylbenzene

Concen: 21.785 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057477.D

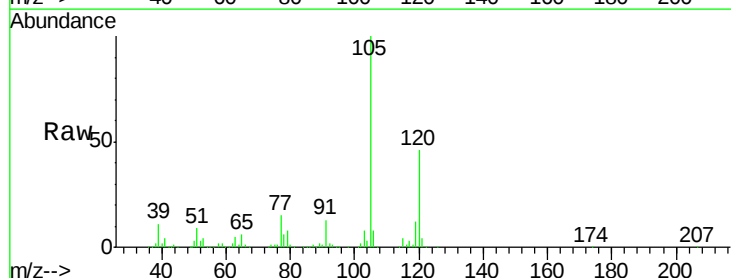
Acq: 23 Aug 2019 17:29

Tgt Ion: 105 Resp: 298869

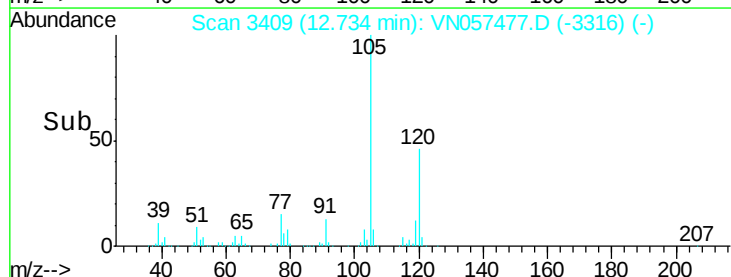
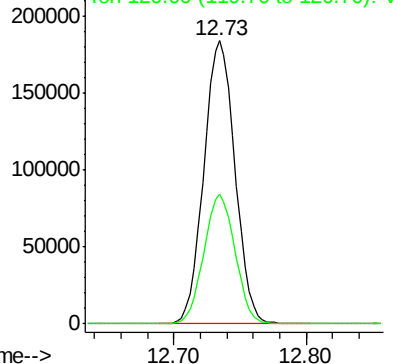
Ion Ratio Lower Upper

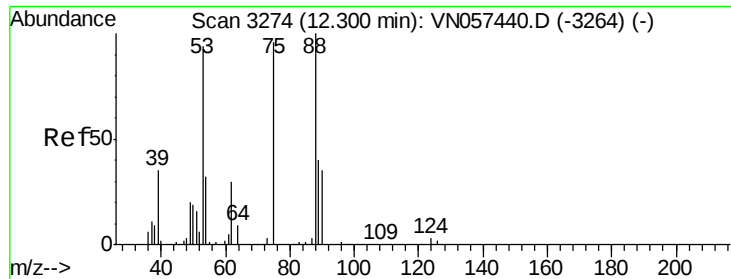
105 100

120 46.0 23.3 69.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.815 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

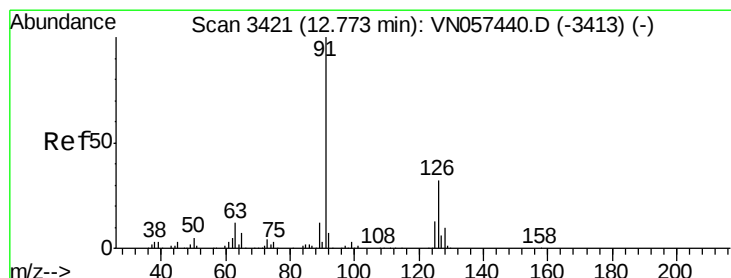
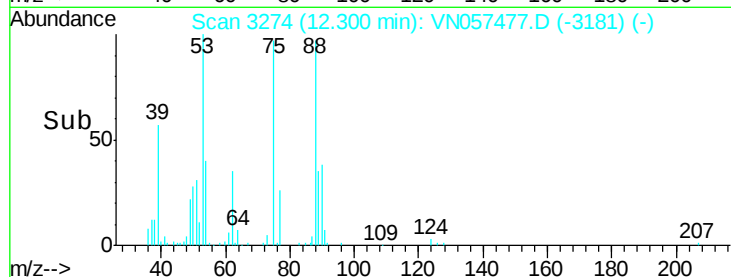
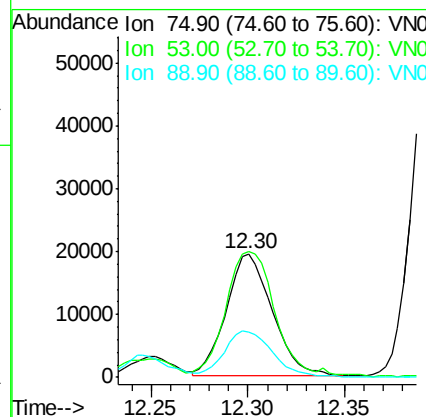
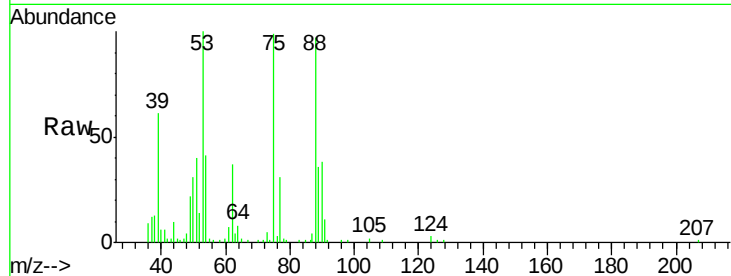
ClientSampleId :

VN0824WBS01

Tot Ion:	75	Resp:	32255
Ion	Ratio	Lower	Upper
75	100		
53	102.2	82.7	124.1
89	40.0	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.343 ug/l

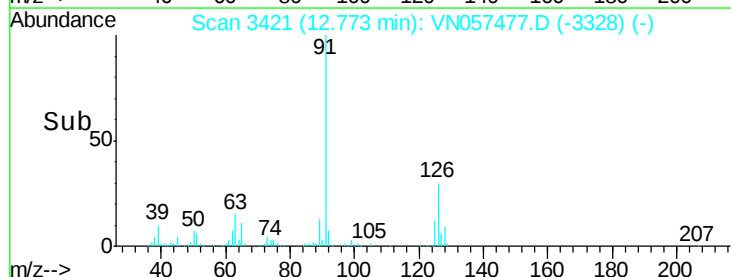
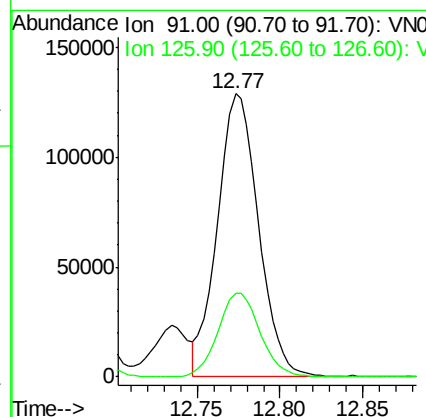
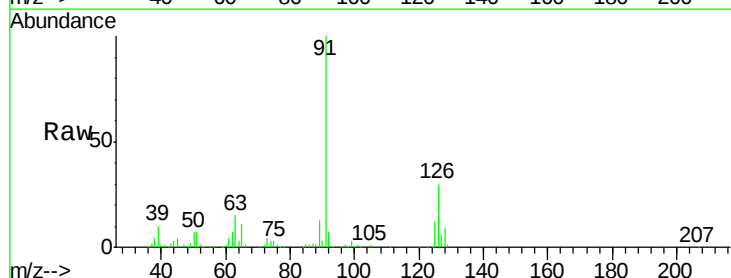
RT: 12.77 min Scan# 3421

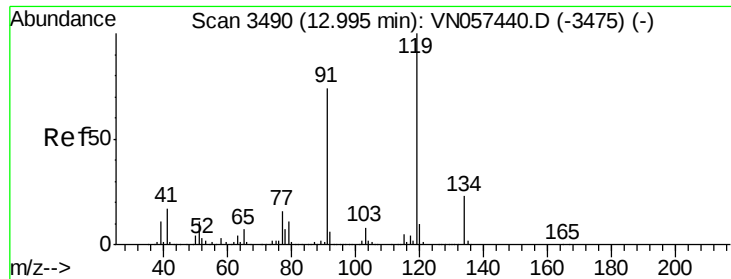
Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion:	91	Resp:	221024
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.0	45.0





#83

tert-Butylbenzene

Concen: 22.138 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

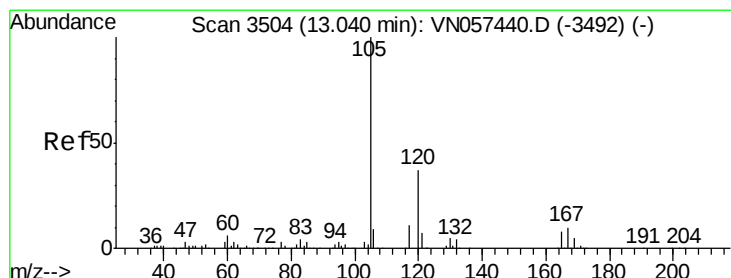
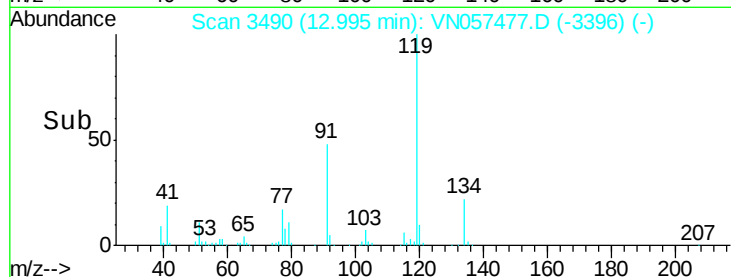
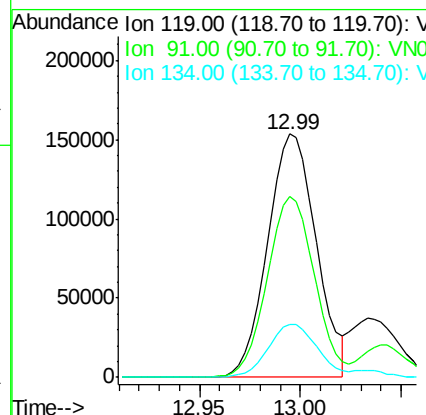
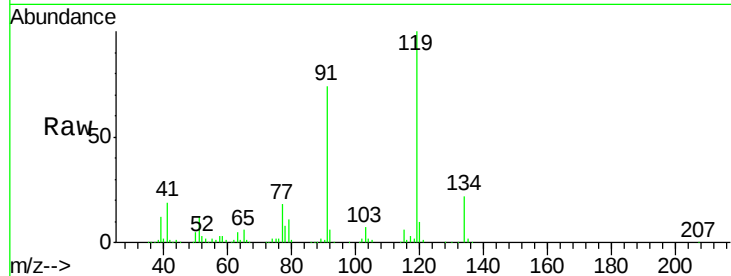
ClientSampleId :

VN0824WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		257202		
91	72.7	37.0	111.0		
134	22.0	12.2	36.6		

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.330 ug/l

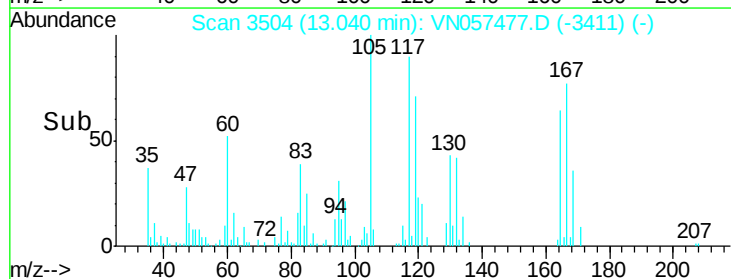
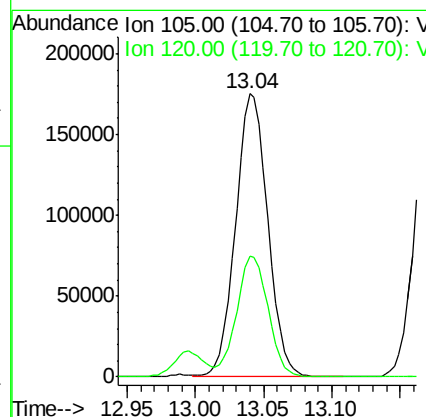
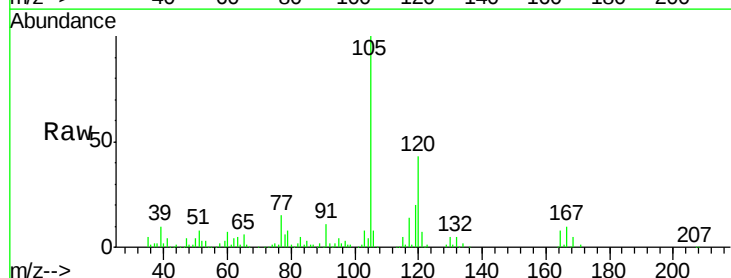
RT: 13.04 min Scan# 3504

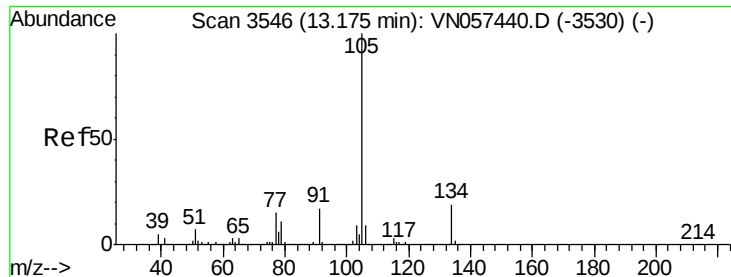
Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		286566		
120	42.0	21.9	65.7		





#85

sec-Butylbenzene

Concen: 21.419 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tot Ion:105 Resp: 327425

Ion Ratio Lower Upper

105 100

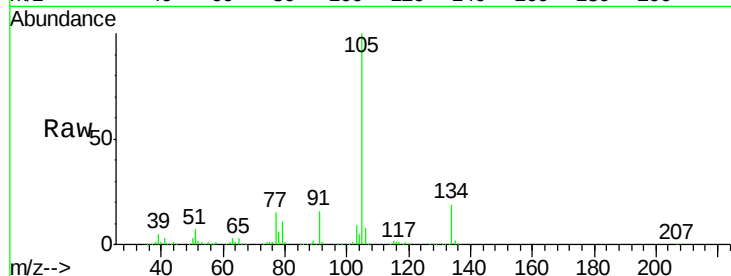
134 18.5 9.3 27.9

Manual Integrations

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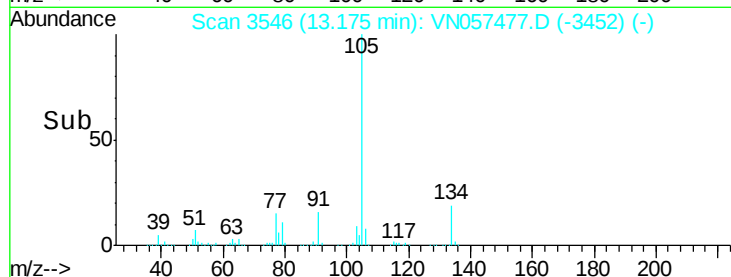
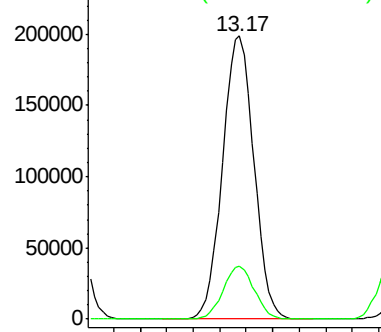
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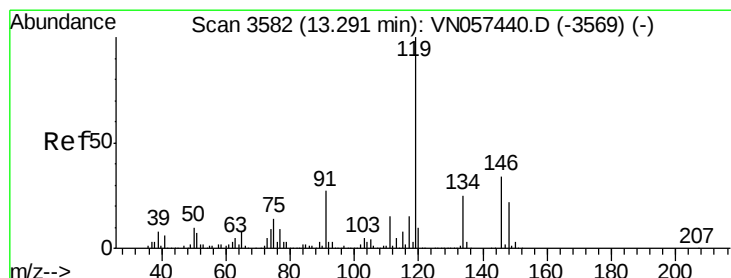


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.961 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

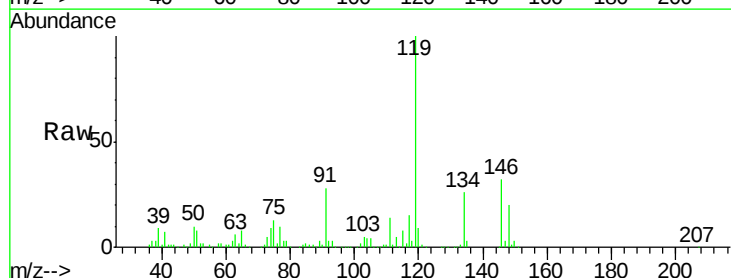
Tgt Ion:119 Resp: 269629

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

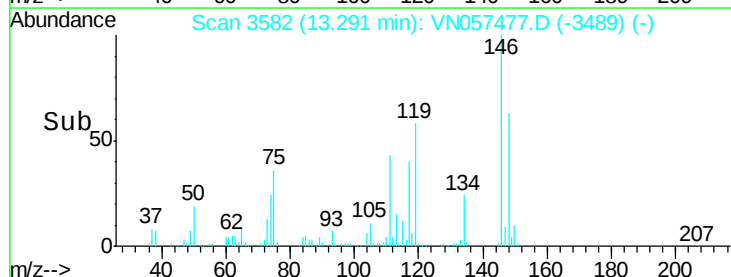
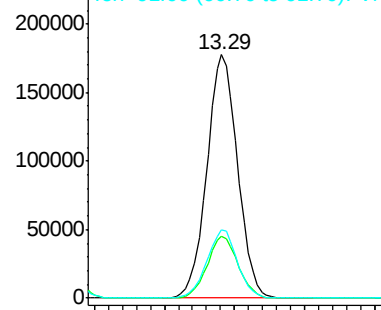
91 27.9 13.9 41.6



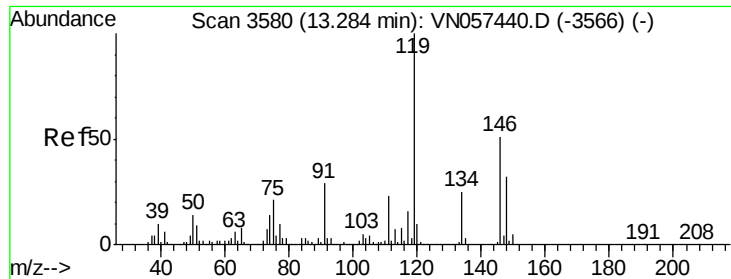
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->



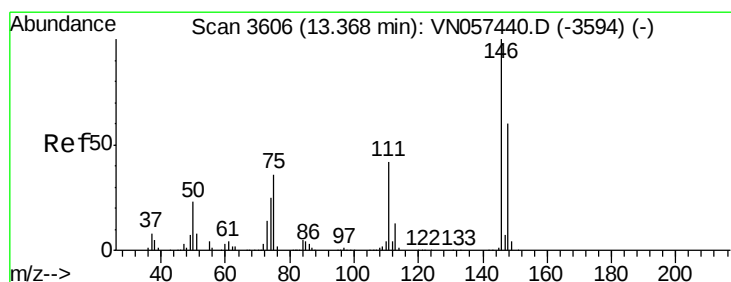
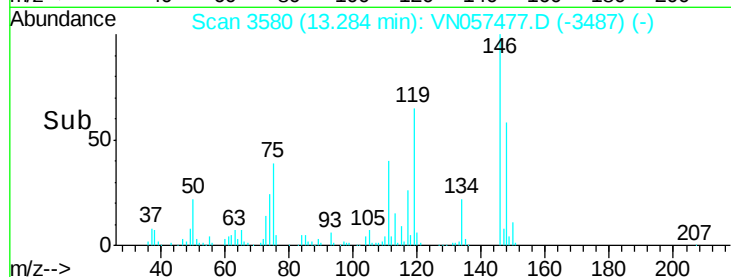
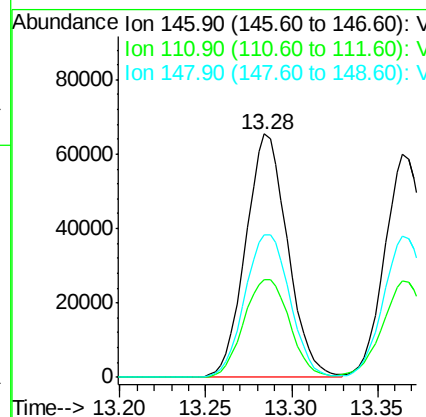
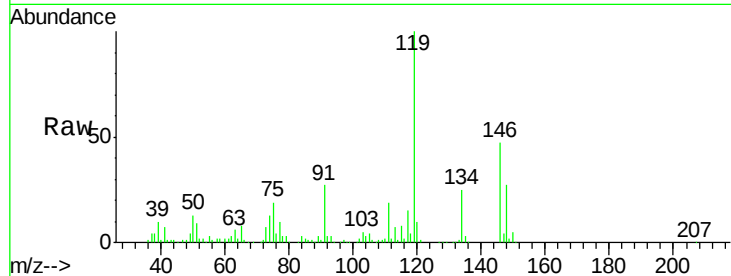
#87
 1,3-Dichlorobenzene
 Concen: 19.802 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.7	22.1	66.1	
148	63.0	31.9	95.9	

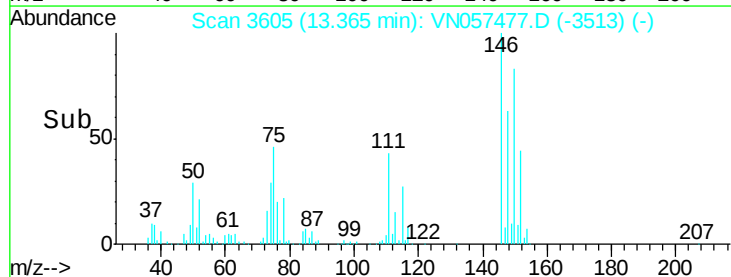
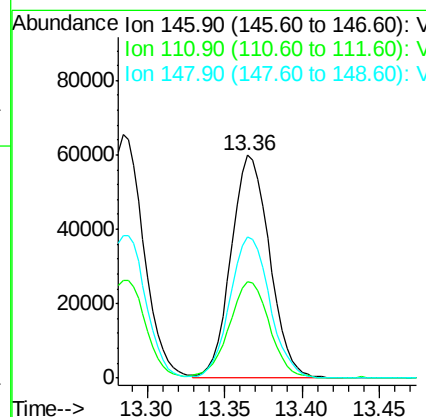
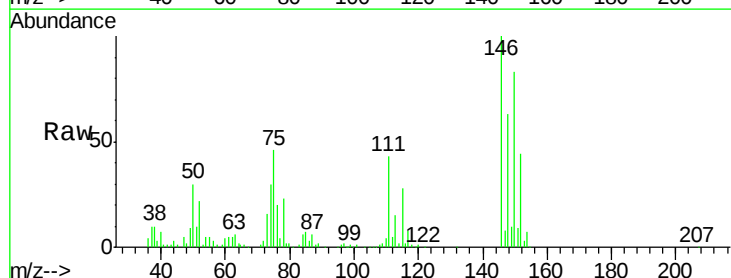
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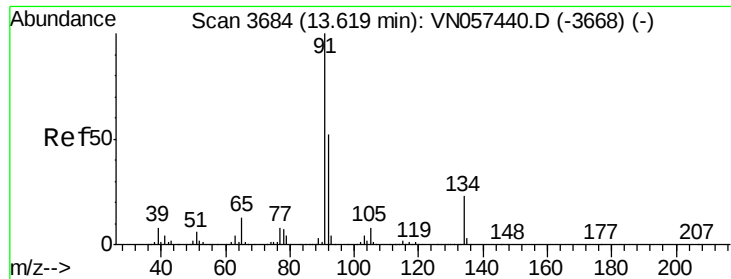
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 8/26/2019 1:13:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.965 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	45.5	21.9	65.5	
148	65.3	31.1	93.2	





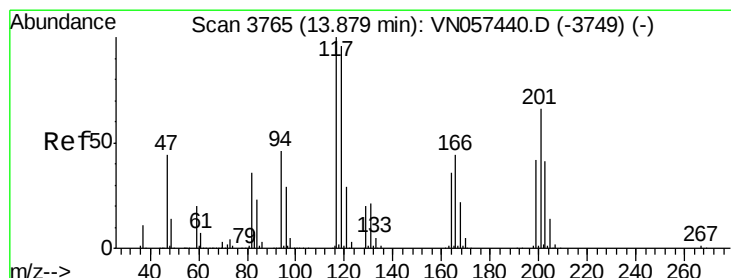
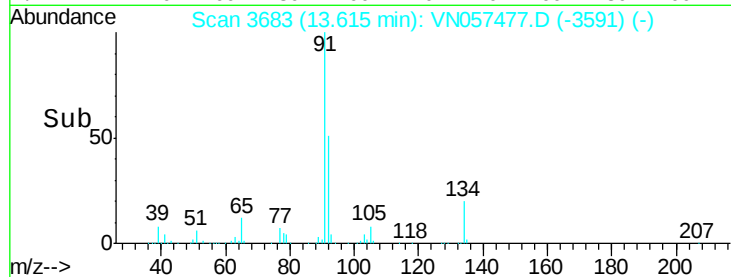
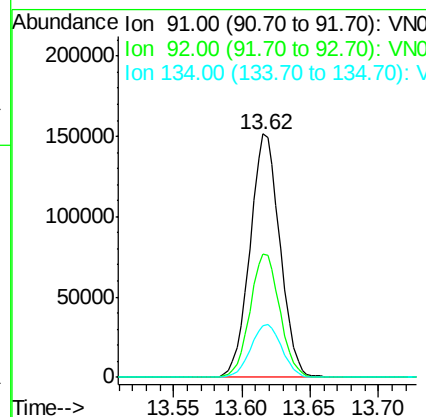
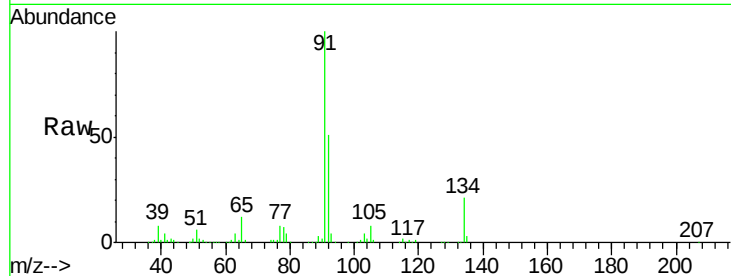
#89
n-Butylbenzene
Concen: 20.206 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	25.7	77.0
134	22.4	11.4	34.1

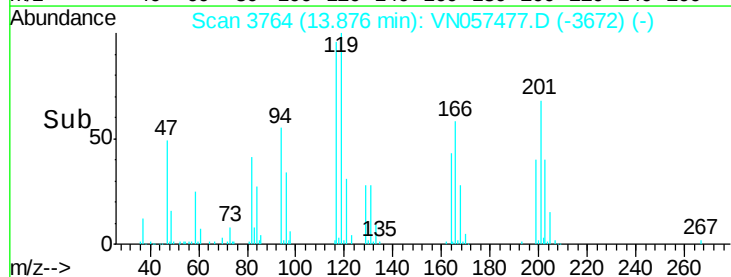
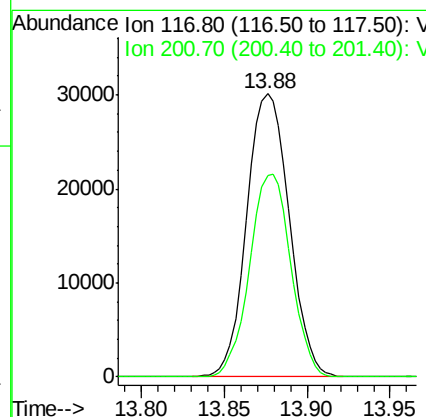
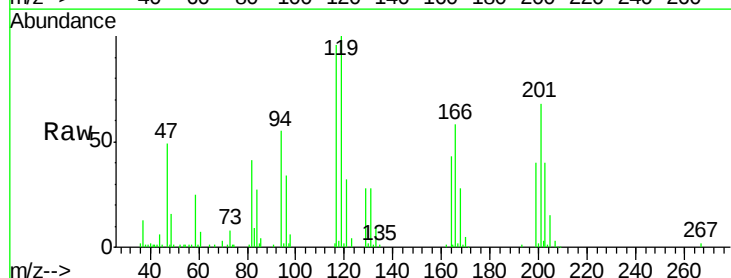
Manual Integrations
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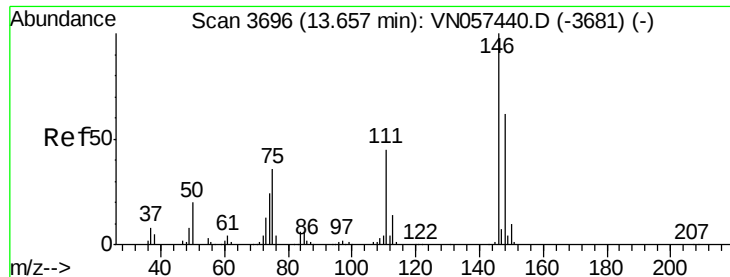
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#90
Hexachloroethane
Concen: 19.139 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	33.1	99.3





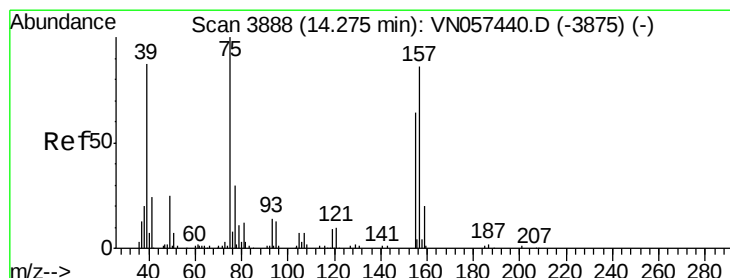
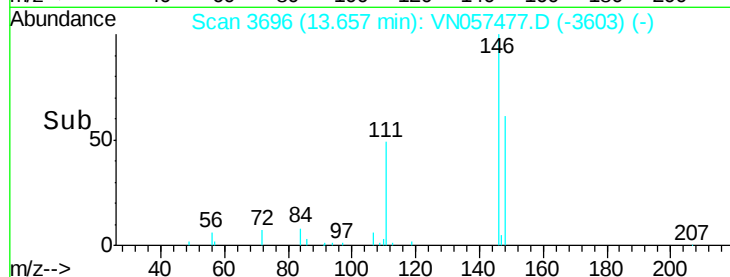
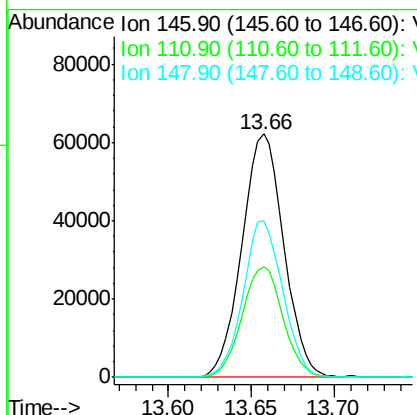
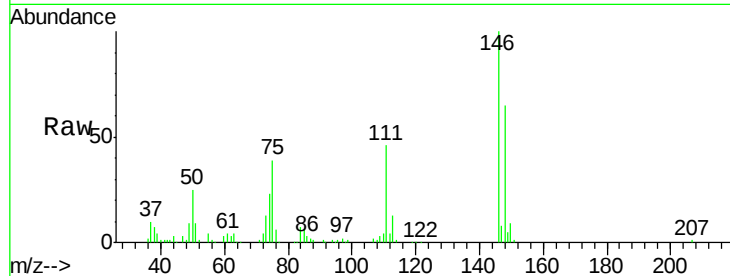
#91
 1,2-Dichlorobenzene
 Concen: 20.459 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	109016		
111	44.6	23.1	69.2	
148	61.0	31.8	95.4	

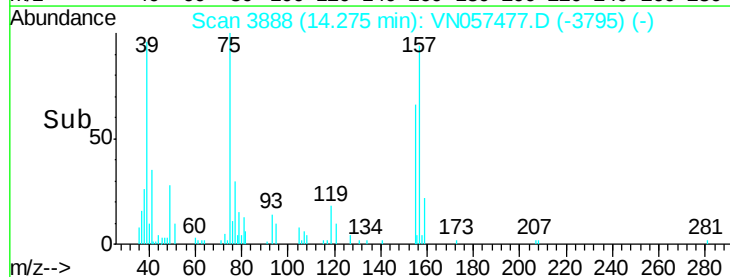
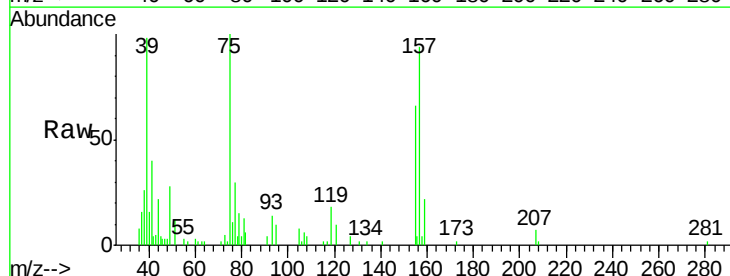
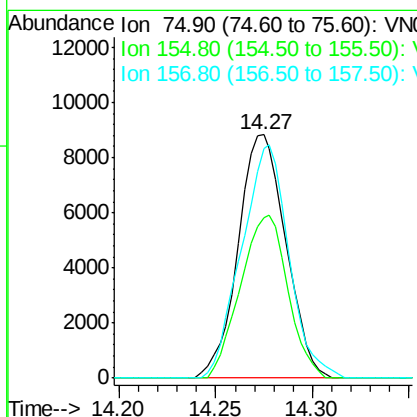
Manual Integrations
 APPROVED

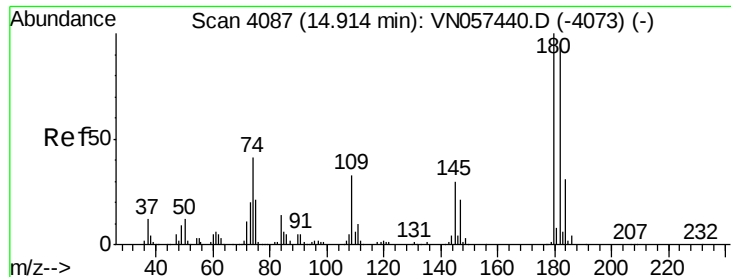
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.015 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15140		
155	66.4	31.6	94.7	
157	95.4	43.3	129.8	





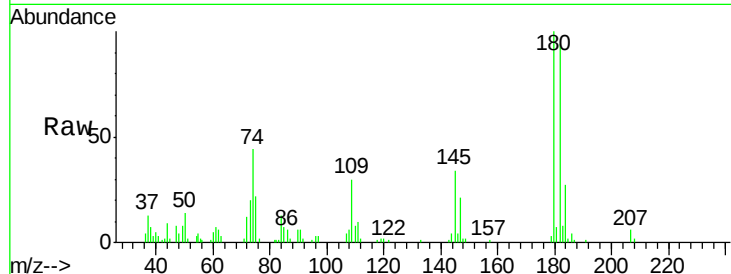
#93
 1,2,4-Trichlorobenzene
 Concen: 17.485 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

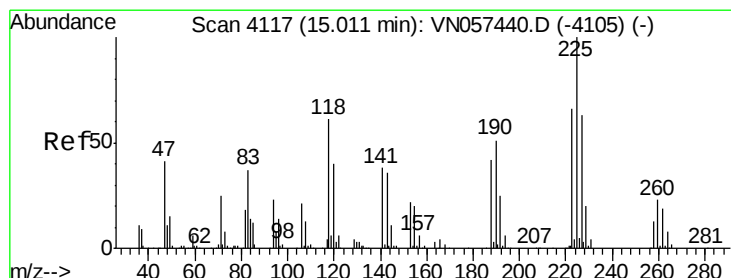
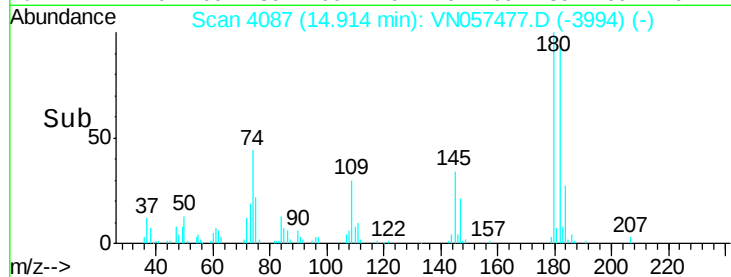
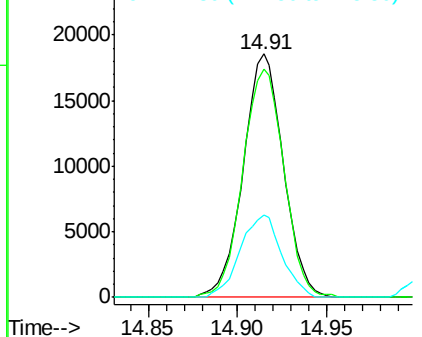
Tot Ion	Ratio	Resp	Lower	Upper
180	100	29259		
182	96.2	46.7	140.1	
145	34.7	15.6	46.8	

Manual Integrations
 APPROVED

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 8/26/2019 1:13:06 PM

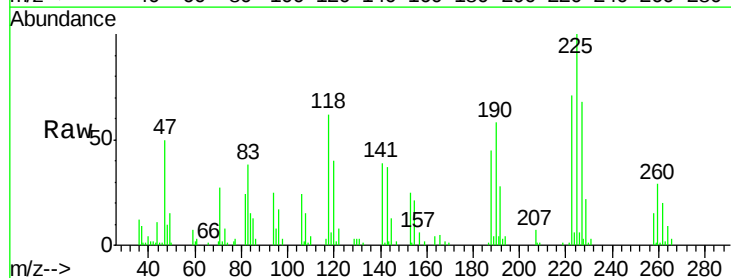


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

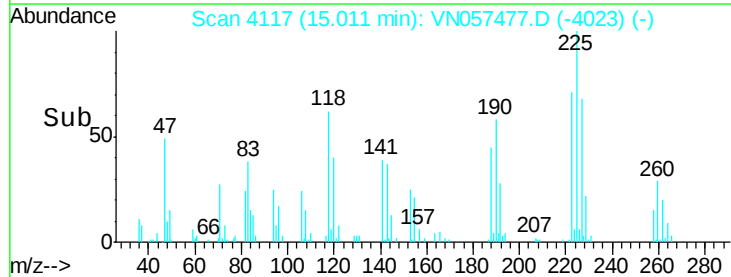
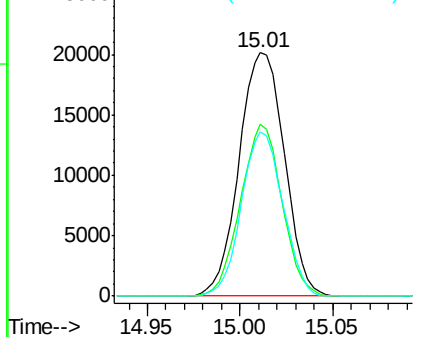


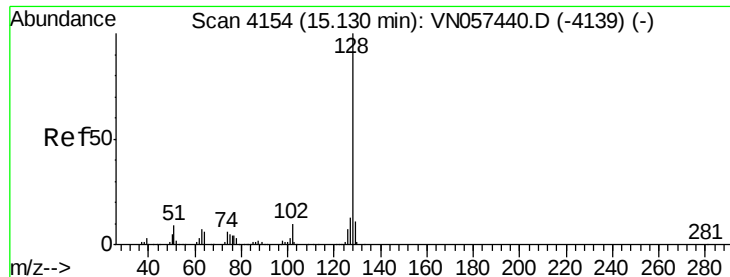
#94
 Hexachlorobutadiene
 Concen: 23.537 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34269		
223	64.4	32.0	96.2	
227	61.4	31.5	94.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.188 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

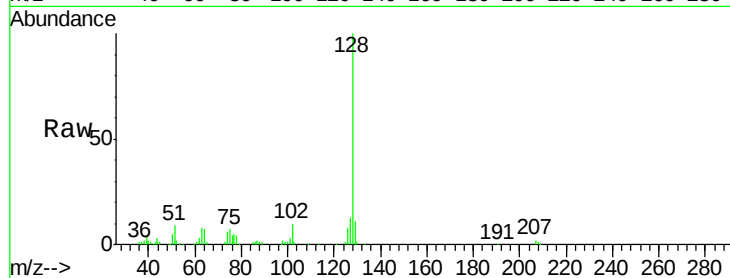
ClientSampleId :

VN0824WBS01

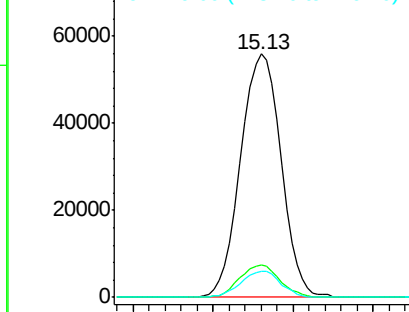
Tot Ion:	128	Resp:	96729
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.4	8.6	13.0

Manual Integrations
APPROVED

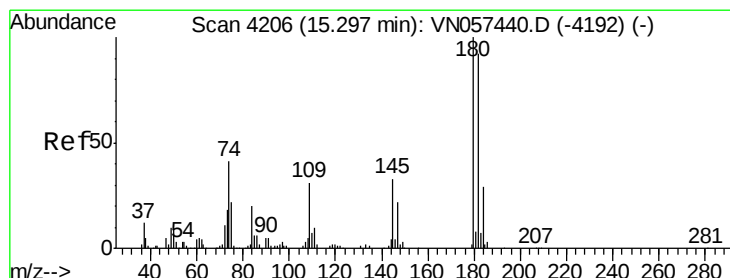
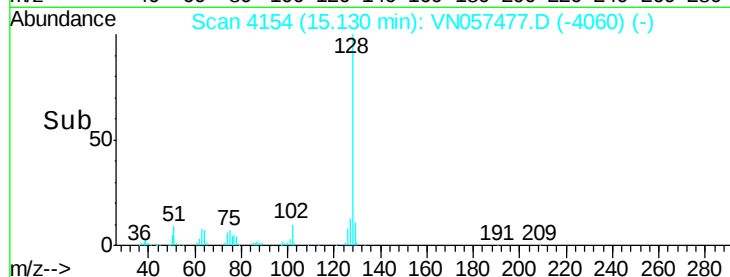
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 18.531 ug/l

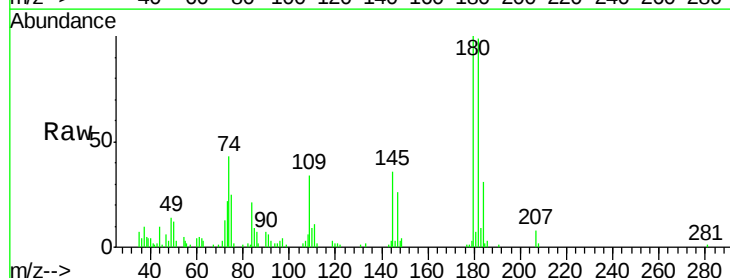
RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

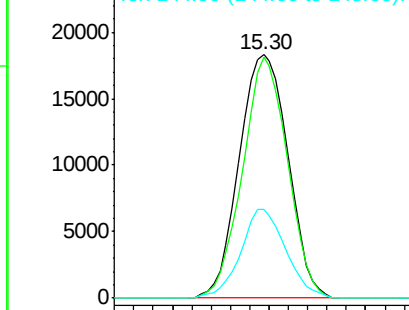
Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion:	180	Resp:	32194
Ion Ratio	Lower	Upper	
180	100		
182	91.0	46.7	140.1
145	33.6	16.8	50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

