

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060616.D
 Acq On : 19 Mar 2020 1:28
 Operator : JC/MD
 Sample : PB127624ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127624ZHE#10

Quant Time: Mar 19 05:07:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	352803	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	328460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133884	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	7.56	113	103938	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	10.08	98	435658	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	161724	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

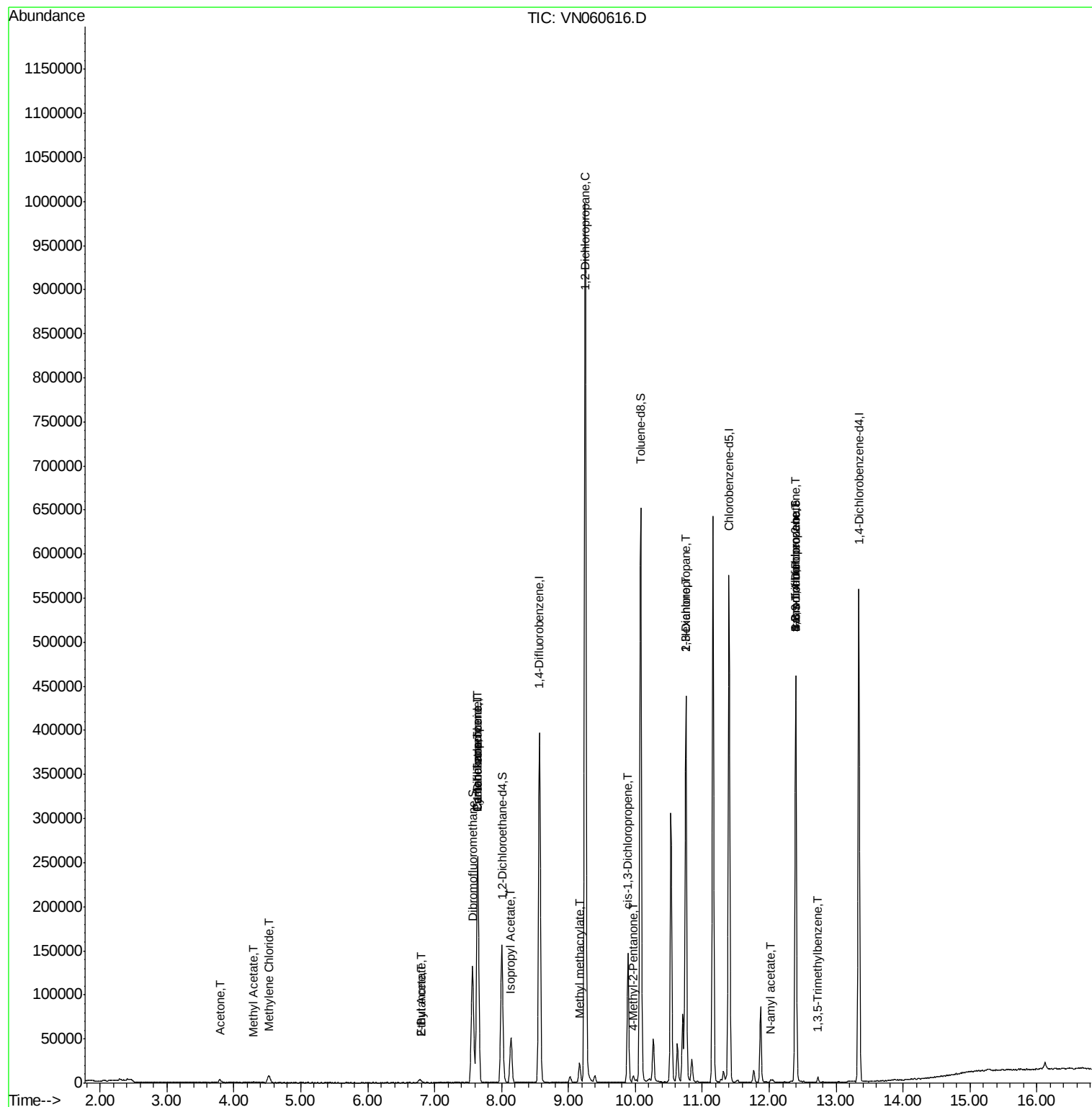
					Qvalue	
16) Acetone	3.79	43	6009	5.882	ug/l	89
18) Methyl Acetate	4.29	43	1783	0.620	ug/l #	54
20) Methylene Chloride	4.52	84	6172	2.456	ug/l	91
25) 2-Butanone	6.81	43	1228	0.743	ug/l #	50
31) Cyclohexane	7.64	56	4619	0.994	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16151	4.728	ug/l #	50
37) Ethyl Acetate	6.81	43	1228	0.333	ug/l #	70
38) Carbon Tetrachloride	7.64	117	20034	6.543	ug/l #	15
43) Isopropyl Acetate	8.14	43	61270	10.065	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1084	0.398	ug/l #	43
48) Methyl methacrylate	9.16	41	3348	1.235	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5628	1.625	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	26341	6.114	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4395	1.057	ug/l #	42
59) 2-Hexanone	10.75	43	64274	25.757	ug/l #	52
71) Bromoform	12.39	173	446	1.900	ug/l #	1
74) N-amyl acetate	12.02	43	2456	0.482	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	81400	25.666	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3353	0.358	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	81400	65.918	ug/l #	13

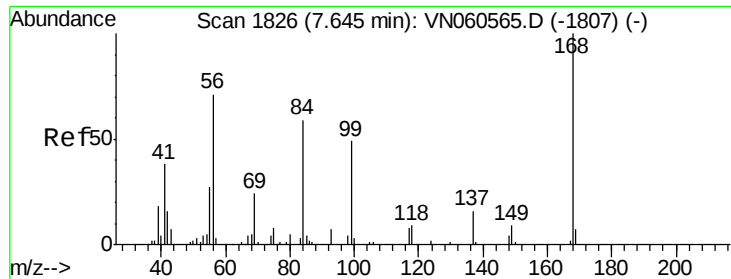
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

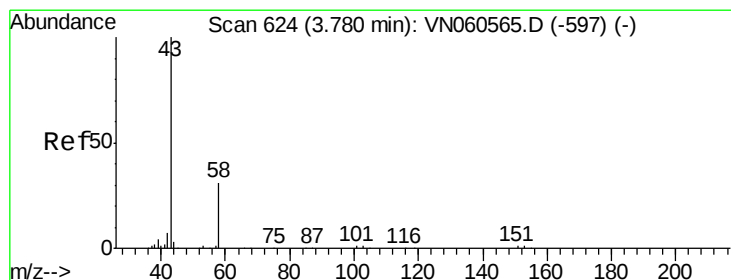
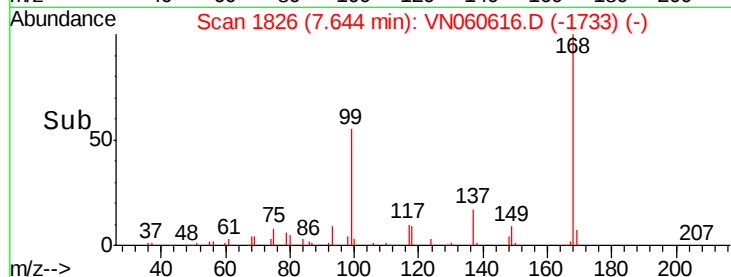
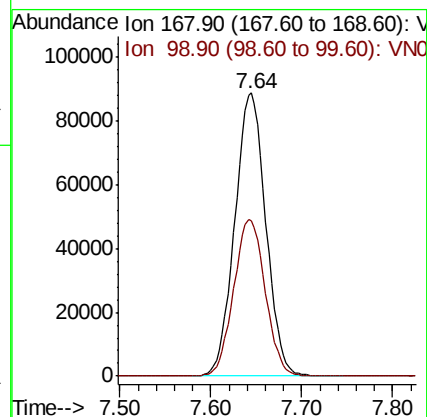
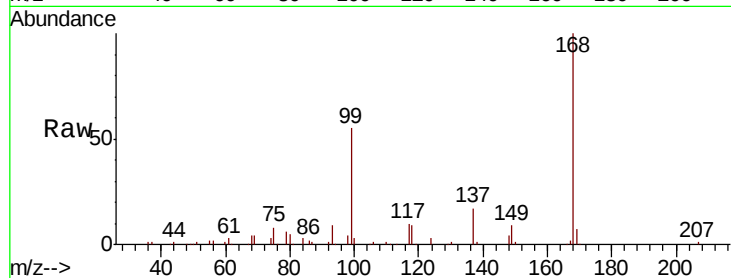




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

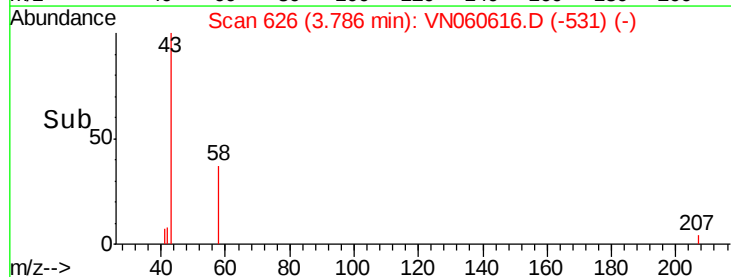
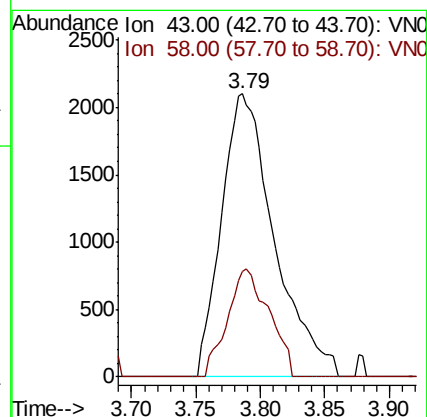
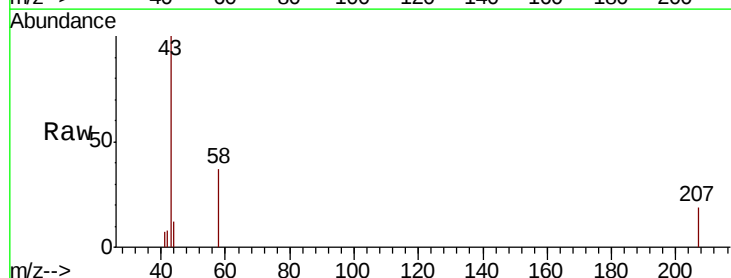
Instrument :
MSVOA_N
ClientSampleId :
PB127624ZHE#10

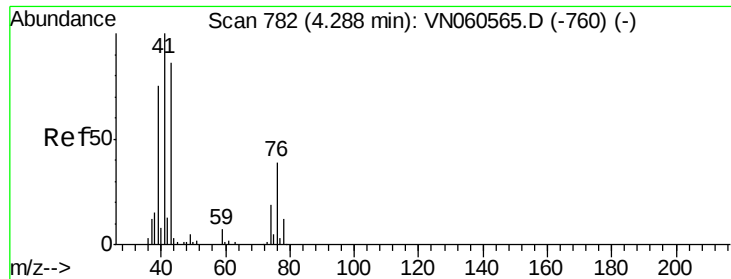
Tot Ion:168 Resp: 210076
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#16
Acetone
Concen: 5.882 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

Tgt Ion: 43 Resp: 6009
Ion Ratio Lower Upper
43 100
58 37.2 25.1 37.7

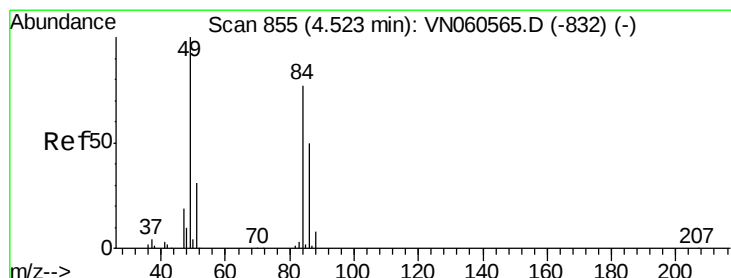
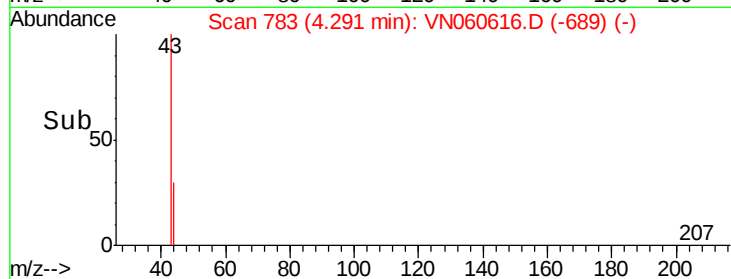
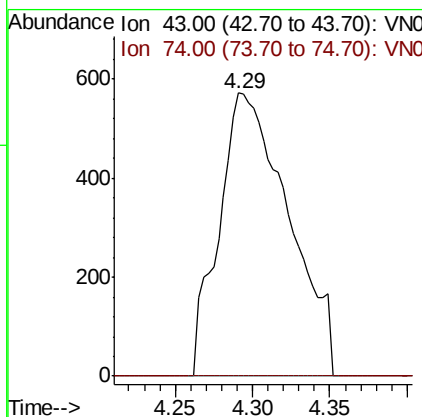
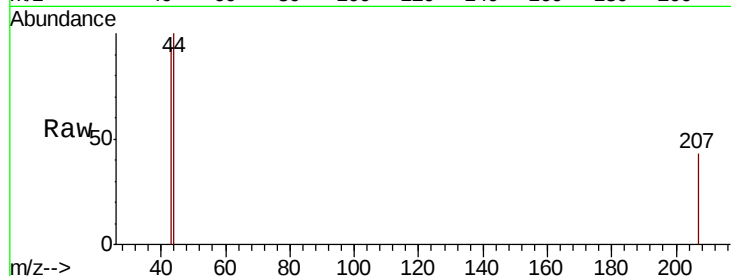




#18
Methyl Acetate
Concen: 0.620 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

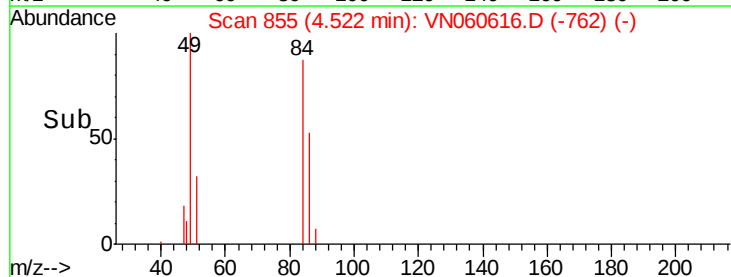
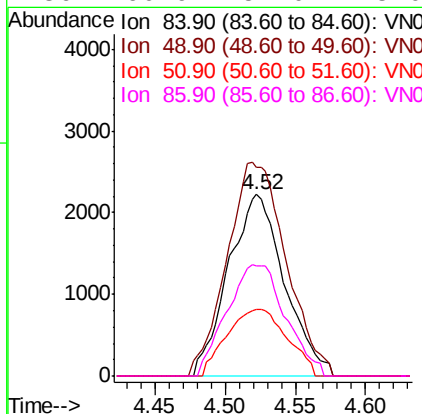
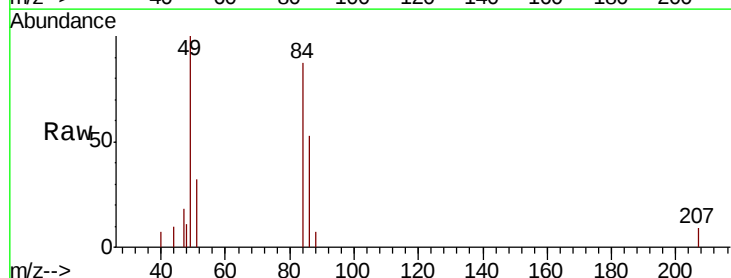
Instrument :
MSVOA_N
ClientSampleId :
PB127624ZHE#10

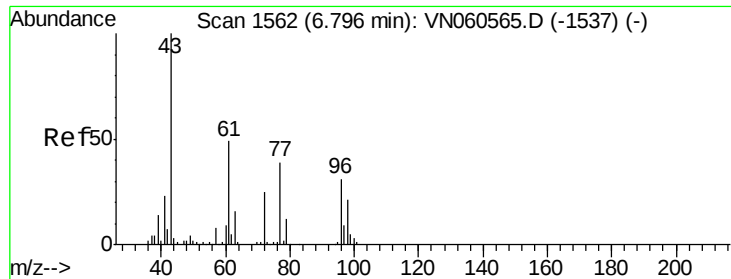
Tot Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.456 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

Tgt Ion: 84 Resp: 6172
Ion Ratio Lower Upper
84 100
49 115.5 103.3 154.9
51 36.6 31.6 47.4
86 60.9 52.0 78.0

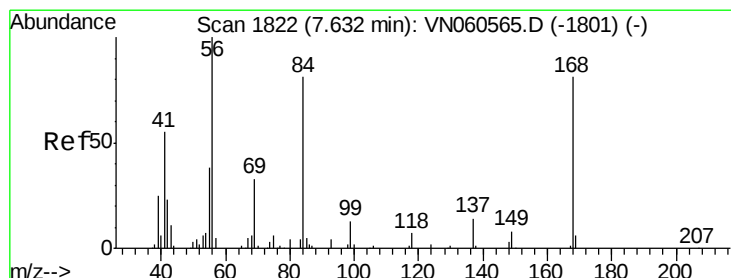
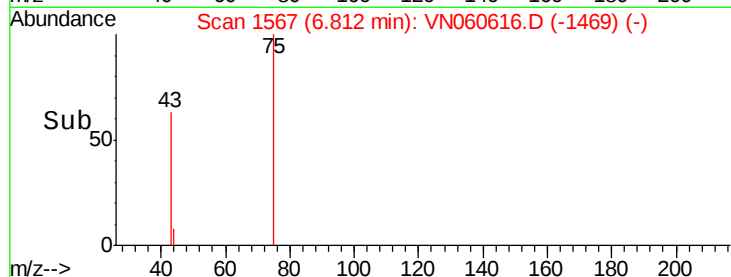
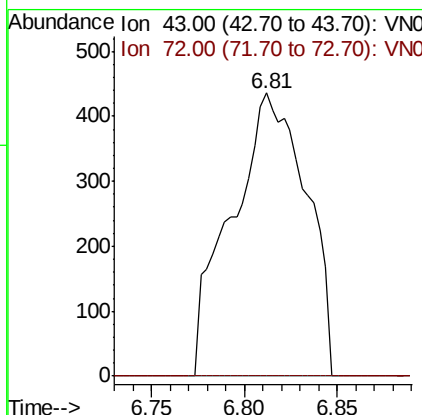
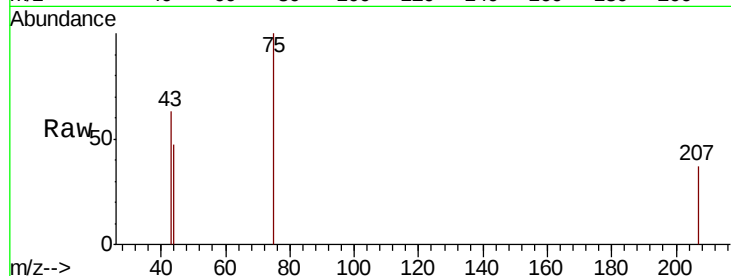




#25
2-Butanone
Concen: 0.743 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.02 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

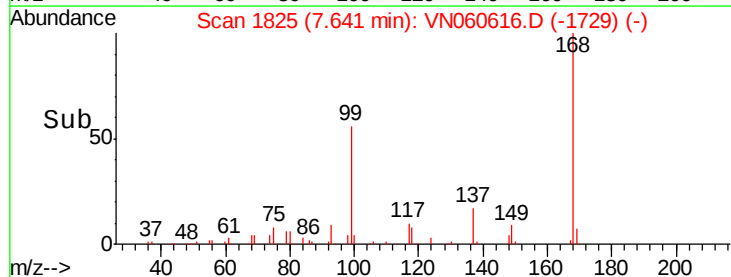
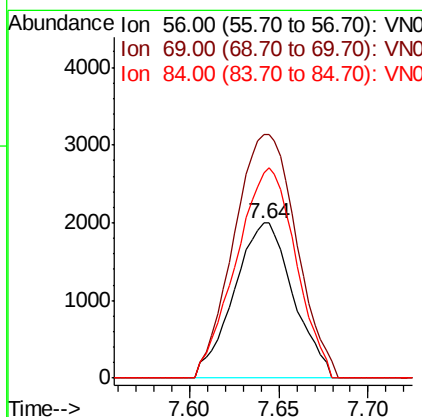
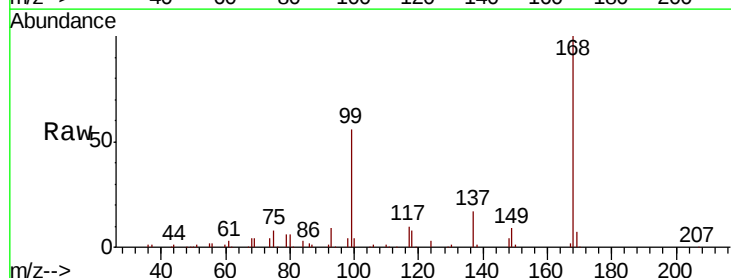
Instrument :
MSVOA_N
ClientSampleId :
PB127624ZHE#10

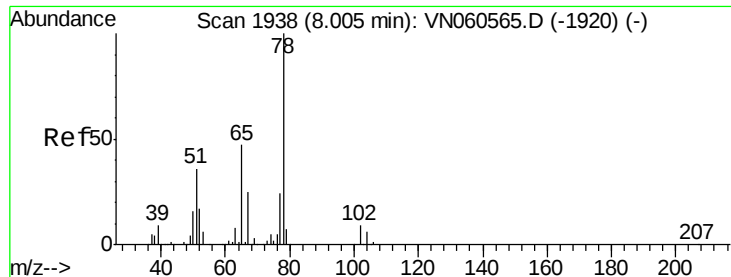
Tot Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.994 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

Tgt Ion: 56 Resp: 4619
Ion Ratio Lower Upper
56 100
69 157.0 26.6 40.0#
84 132.4 64.3 96.5#

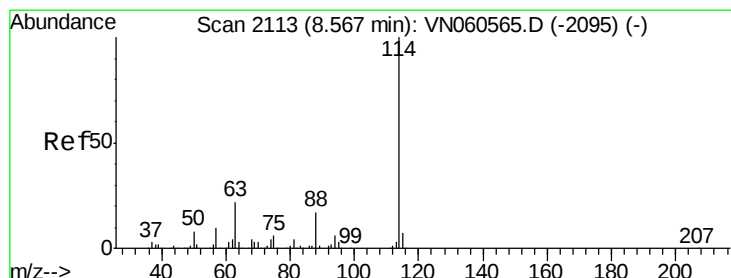
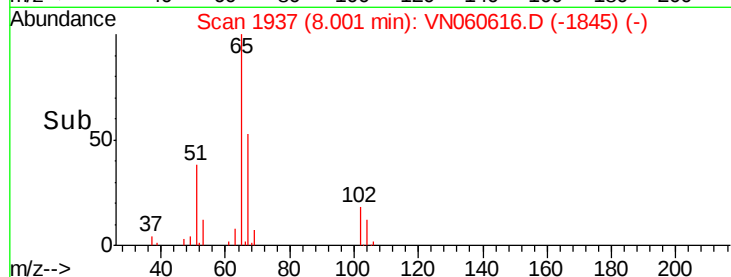
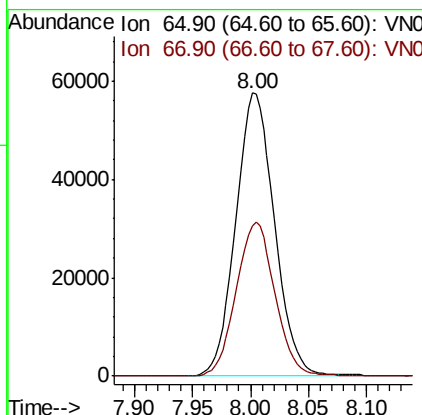
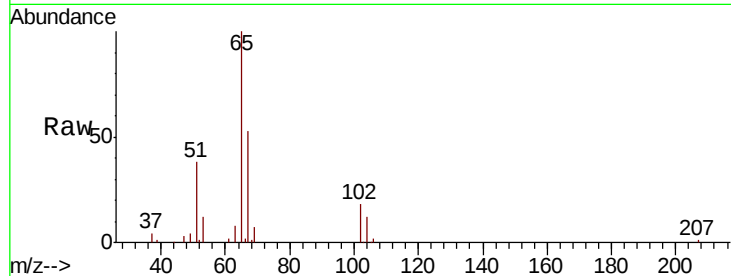




#33
 1,2-Dichloroethane-d4
 Concen: 46.425 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060616.D
 Acq: 19 Mar 2020 1:28

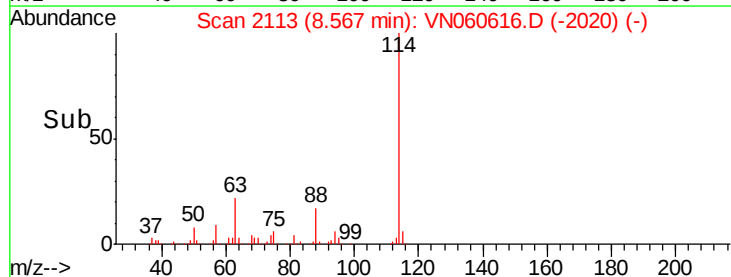
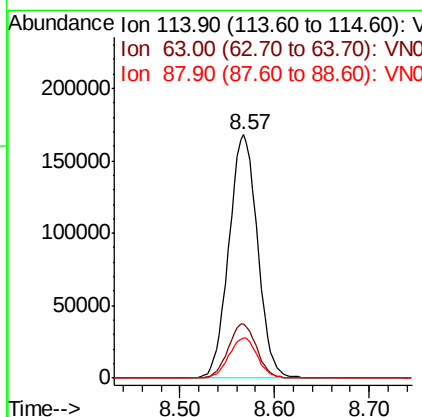
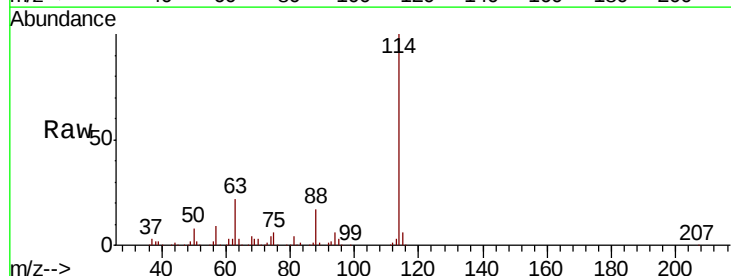
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127624ZHE#10

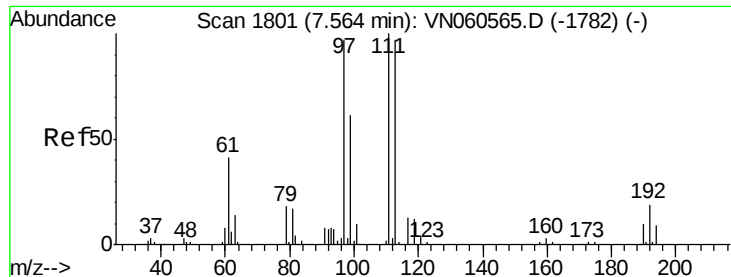
Tot Ion: 65 Resp: 133884
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060616.D
 Acq: 19 Mar 2020 1:28

Tgt Ion: 114 Resp: 352803
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.7 0.0 33.0

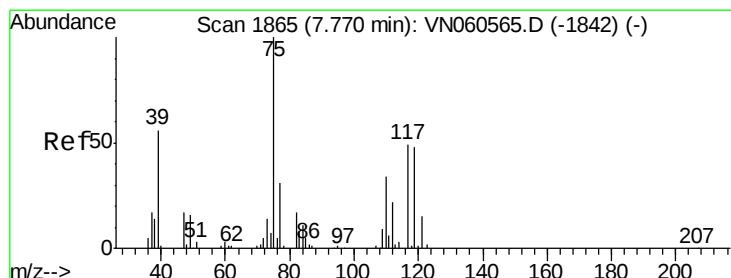
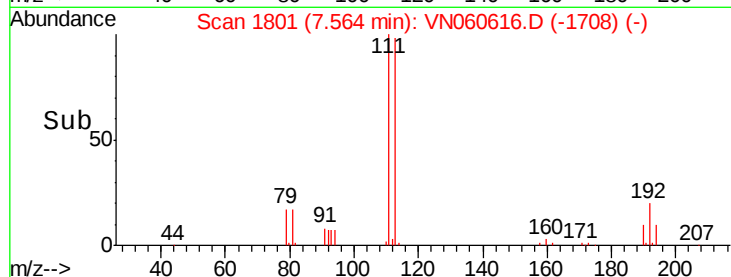
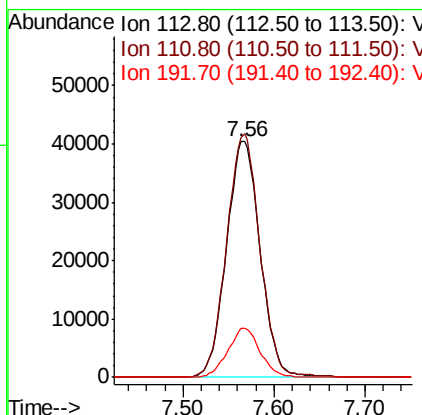
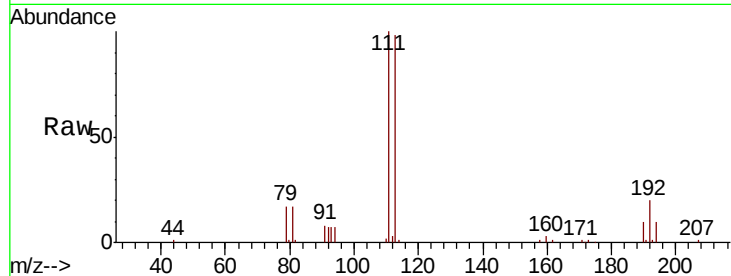




#35
 Dibromofluoromethane
 Concen: 48.722 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060616.D
 Acq: 19 Mar 2020 1:28

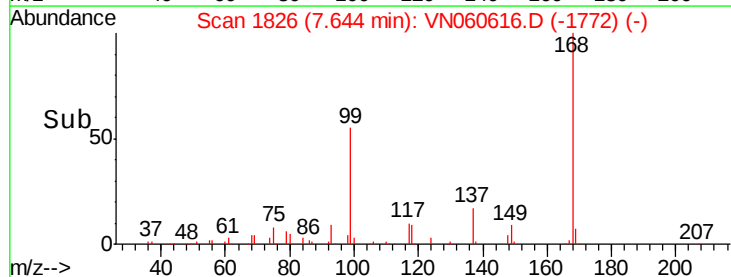
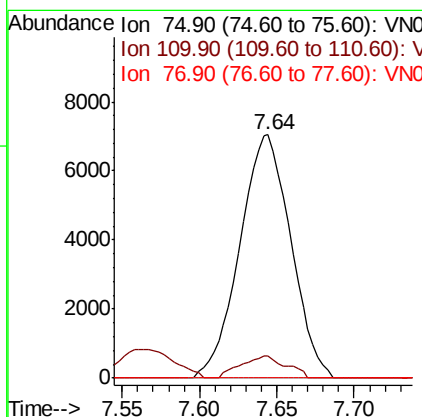
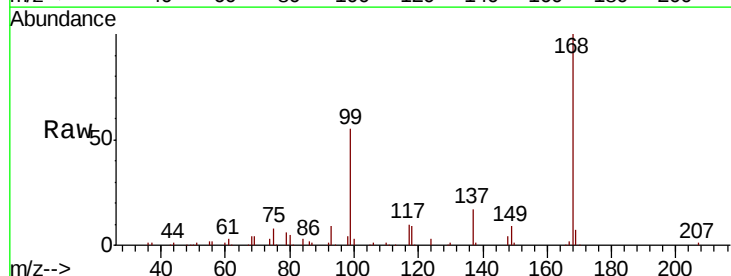
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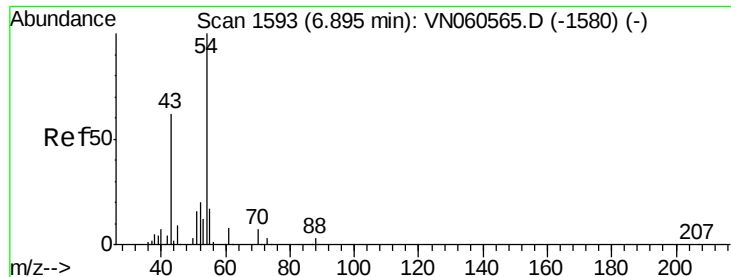
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	19.8	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.728 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060616.D
 Acq: 19 Mar 2020 1:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.9	50.6#
77	0.0	24.6	36.8#

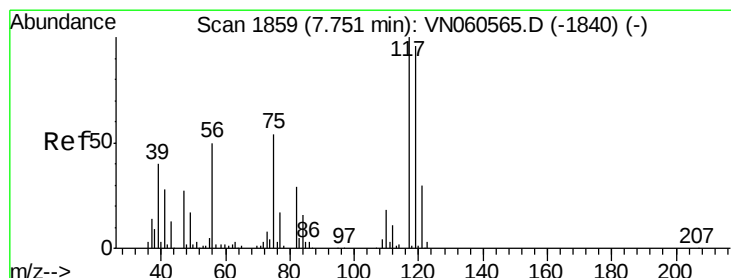
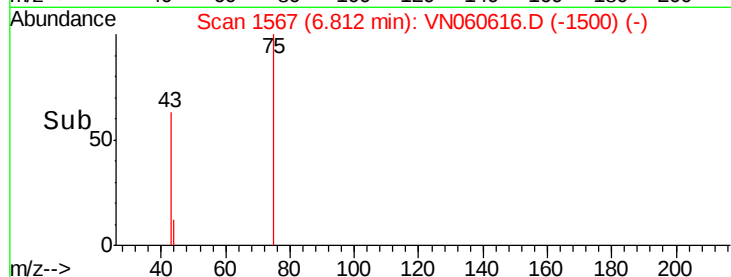
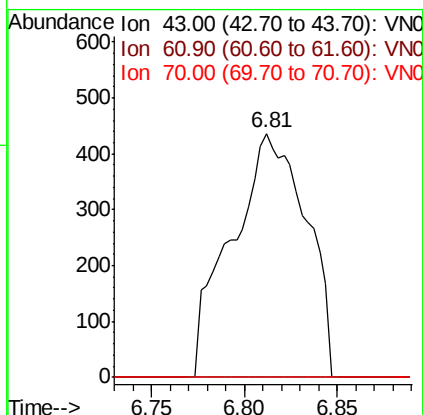
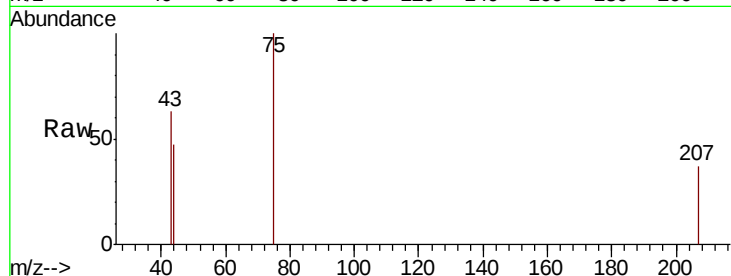




#37
Ethyl Acetate
Concen: 0.333 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.08 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

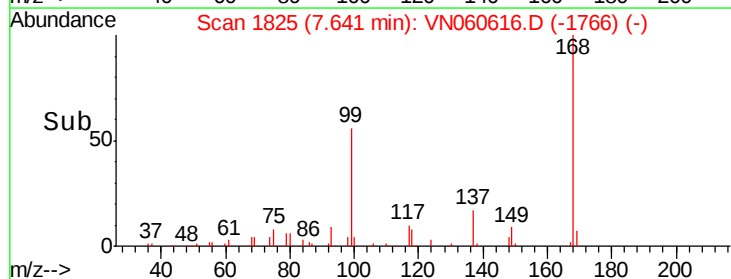
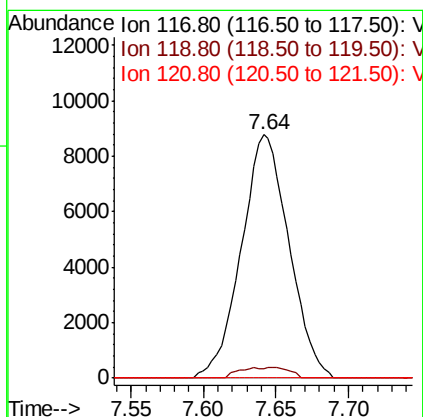
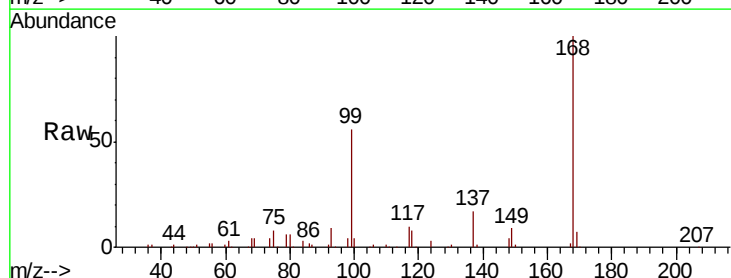
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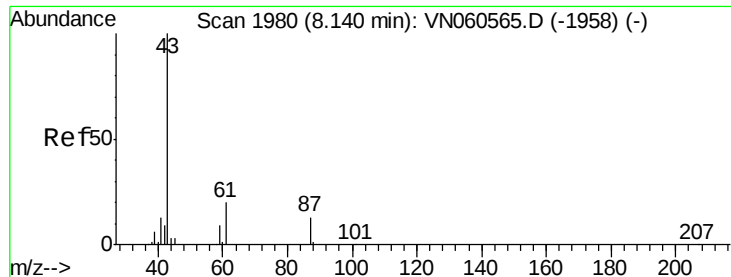
Tot Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.543 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

Tgt Ion: 117 Resp: 20034
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 10.065 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060616.D

Acq: 19 Mar 2020 1:28

Instrument :

MSVOA_N

ClientSampleId :

PB127624ZHE#10

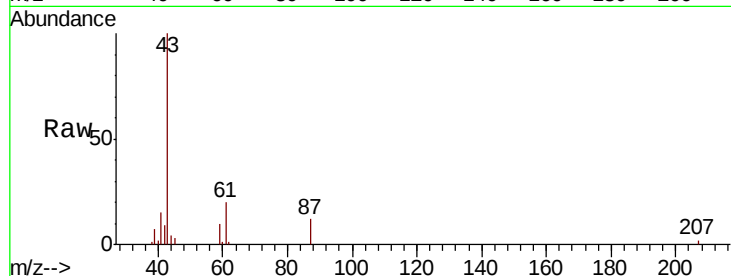
Tot Ion: 43 Resp: 61270

Ion Ratio Lower Upper

43 100

61 19.6 20.7 31.1#

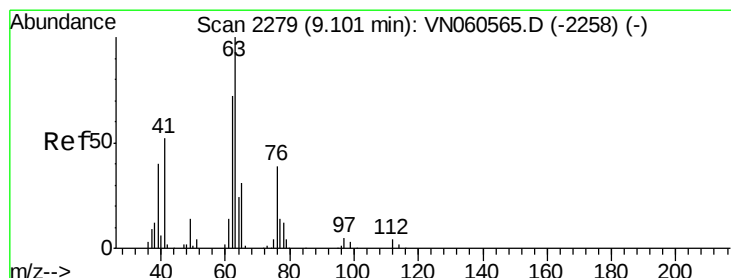
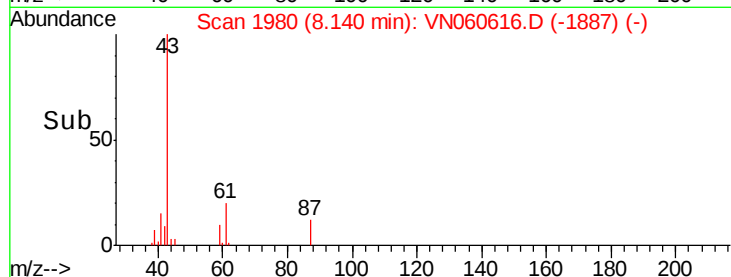
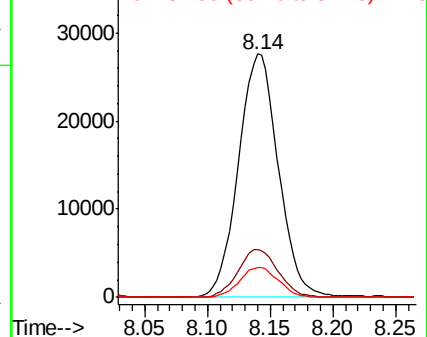
87 11.9 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.398 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060616.D

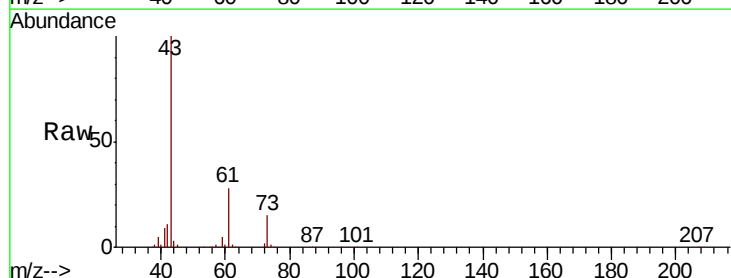
Acq: 19 Mar 2020 1:28

Tgt Ion: 63 Resp: 1084

Ion Ratio Lower Upper

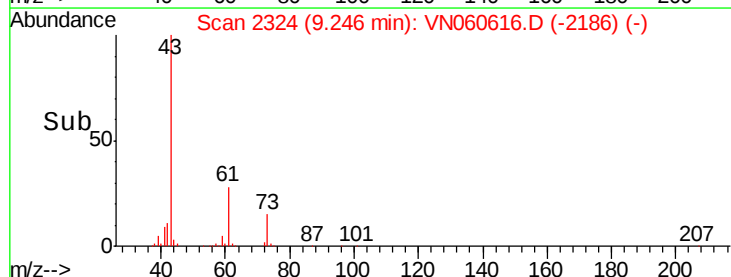
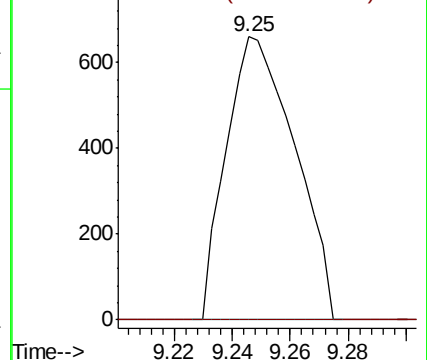
63 100

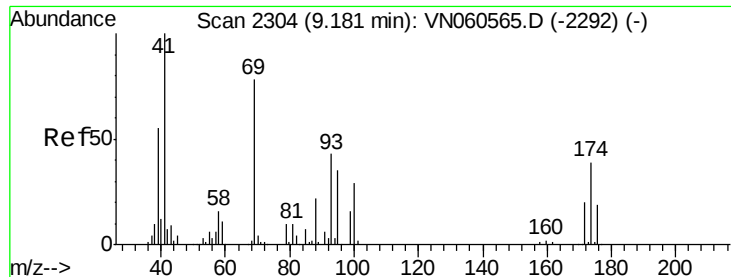
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

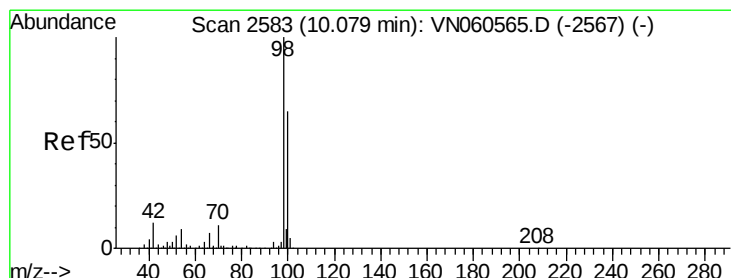
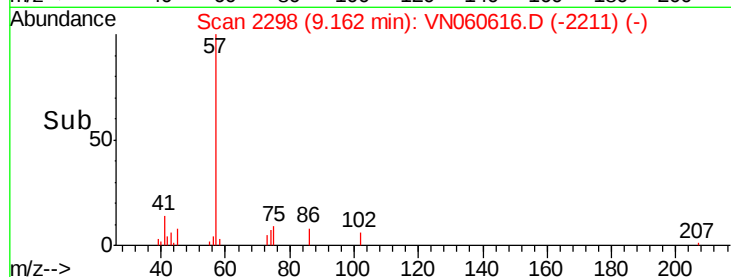
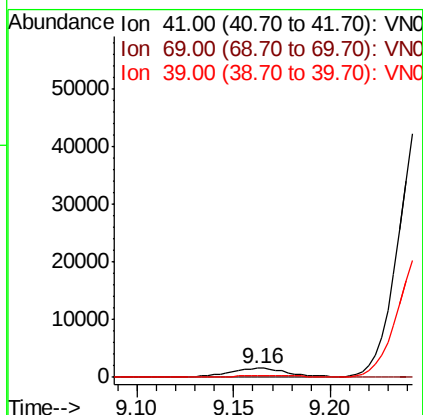
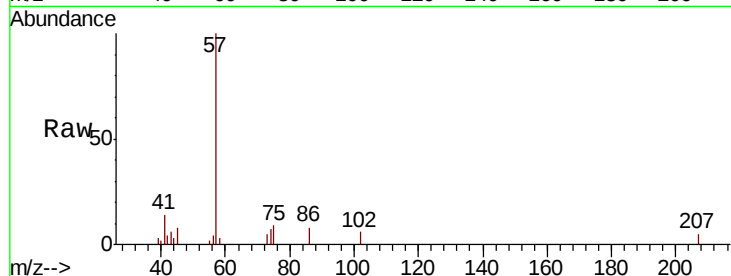




#48
Methvl methacrylate
Concen: 1.235 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

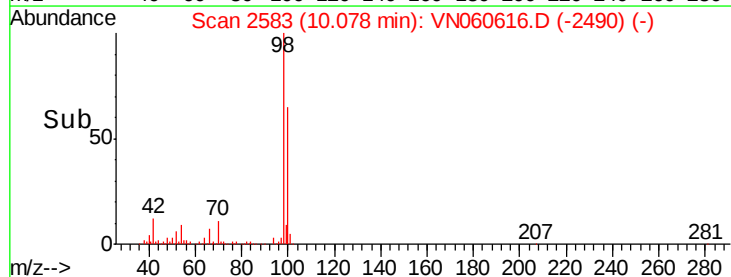
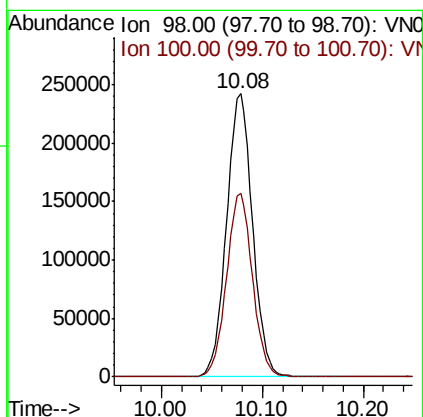
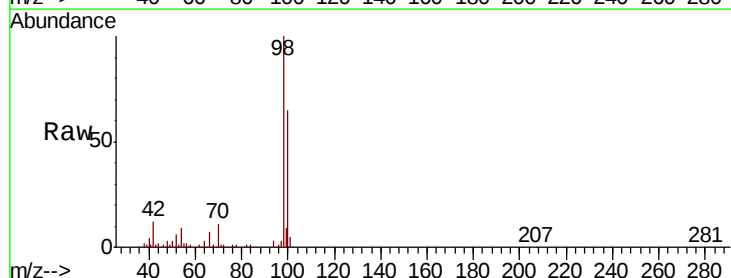
Instrument :
MSVOA_N
ClientSampleId :
PB127624ZHE#10

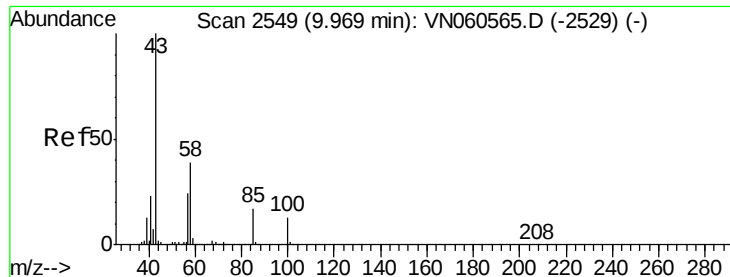
Tot Ion: 41 Resp: 3348
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 49.997 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

Tgt Ion: 98 Resp: 435658
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.625 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060616.D

Acq: 19 Mar 2020 1:28

Instrument :

MSVOA_N

ClientSampleId :

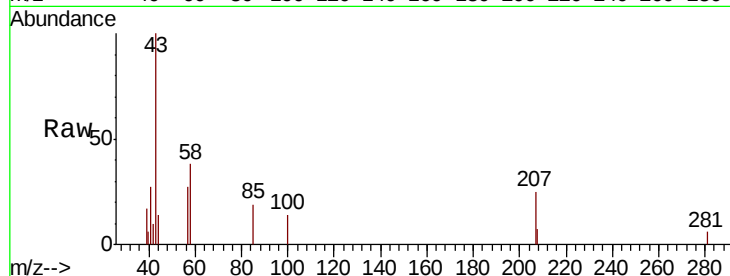
PB127624ZHE#10

Tot Ion: 43 Resp: 5628

Ion Ratio Lower Upper

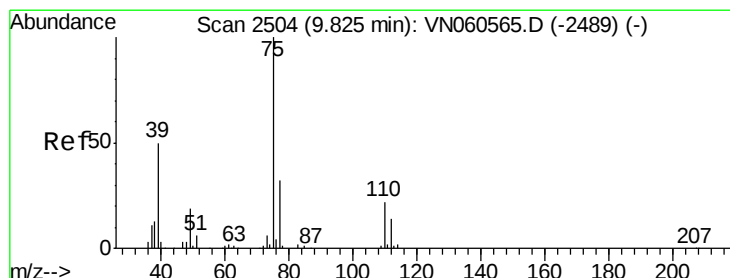
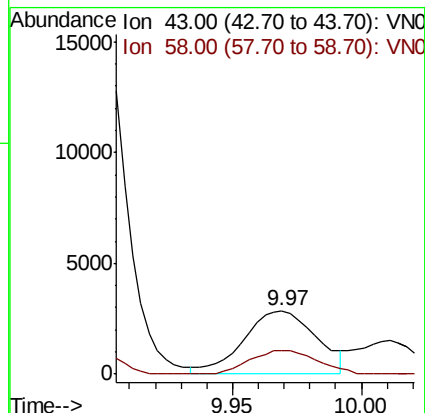
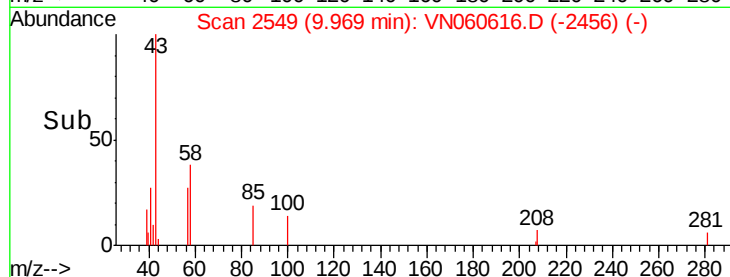
43 100

58 34.7 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.114 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060616.D

Acq: 19 Mar 2020 1:28

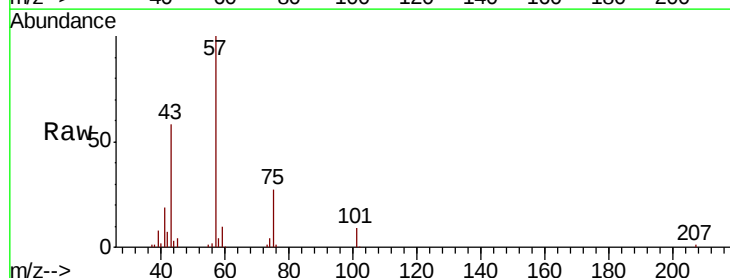
Tgt Ion: 75 Resp: 26341

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

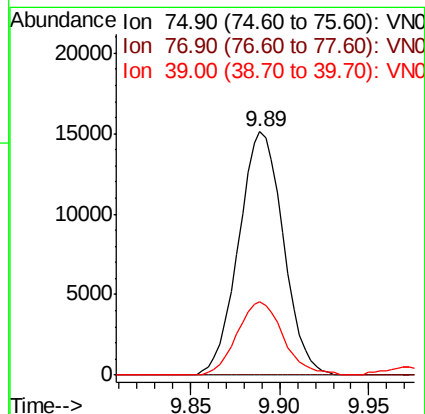
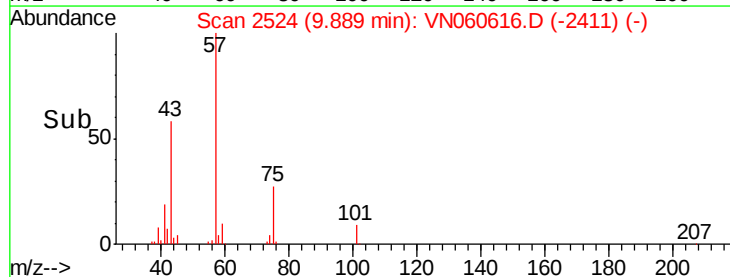
39 29.9 40.2 60.4#

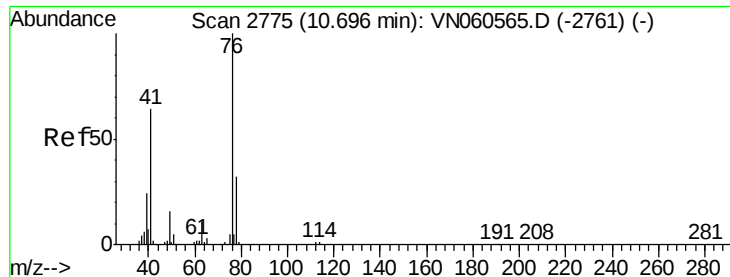


Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060565.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2489) (-)

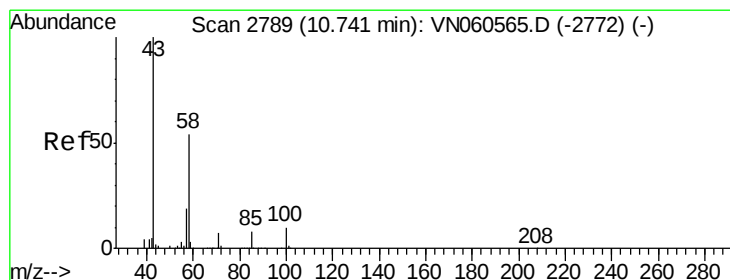
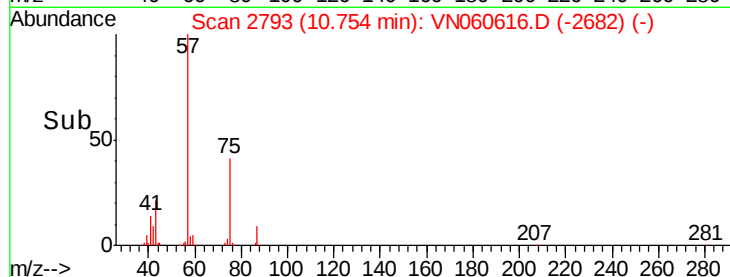
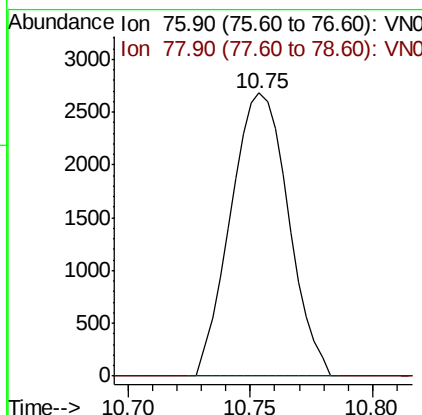
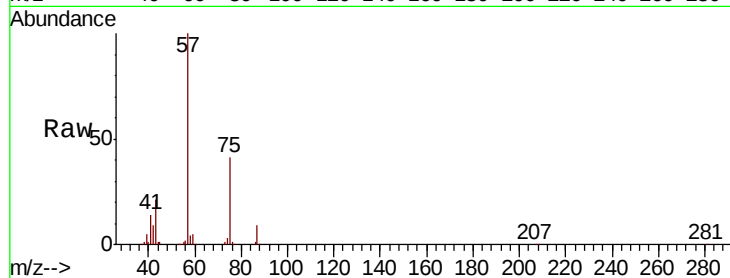




#57
 1,3-Dichloropropane
 Concen: 1.057 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060616.D
 Acq: 19 Mar 2020 1:28

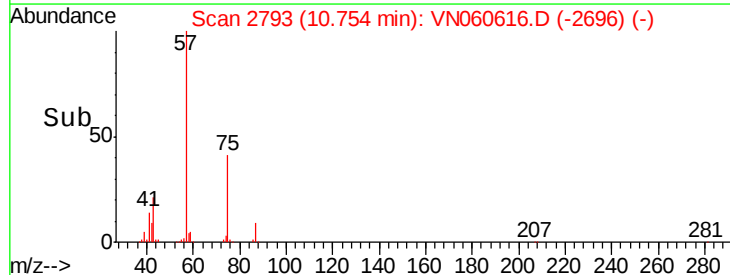
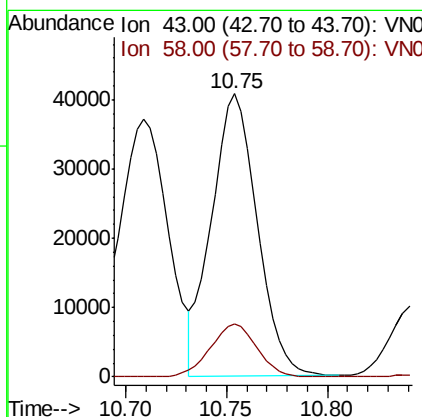
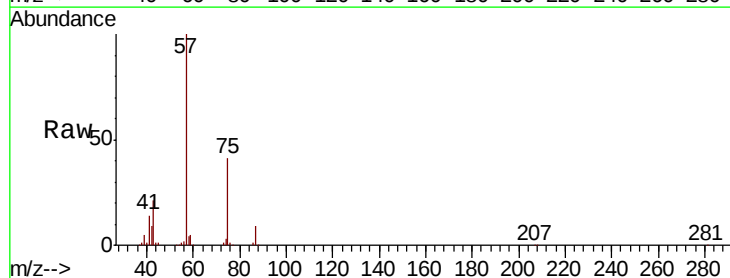
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127624ZHE#10

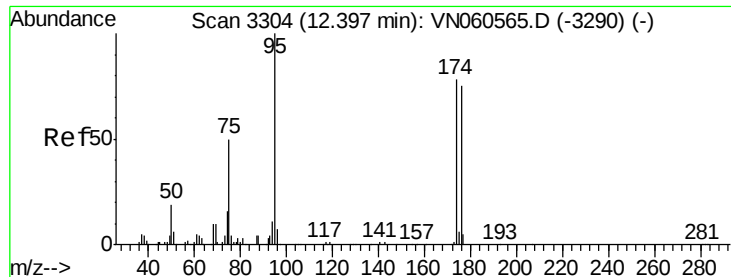
Tot Ion: 76 Resp: 4395
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 25.757 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060616.D
 Acq: 19 Mar 2020 1:28

Tgt Ion: 43 Resp: 64274
 Ion Ratio Lower Upper
 43 100
 58 18.9 26.7 80.1#

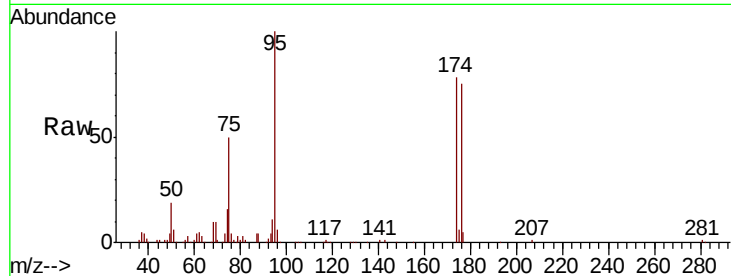




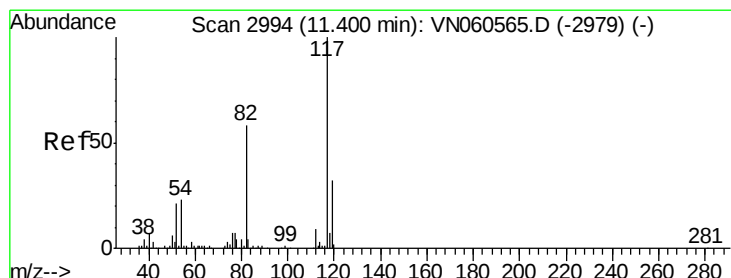
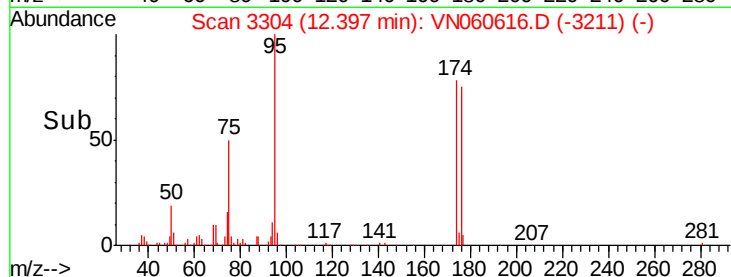
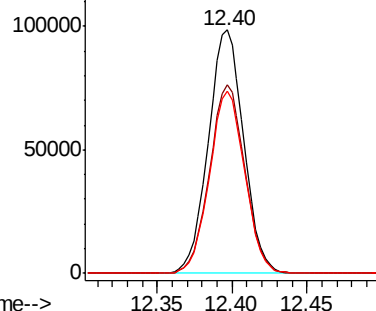
#62
4-Bromofluorobenzene
Concen: 50.643 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

Instrument :
MSVOA_N
ClientSampleId :
PB127624ZHE#10

Tot Ion: 95 Resp: 161724
Ion Ratio Lower Upper
95 100
174 77.5 0.0 157.6
176 74.7 0.0 150.6

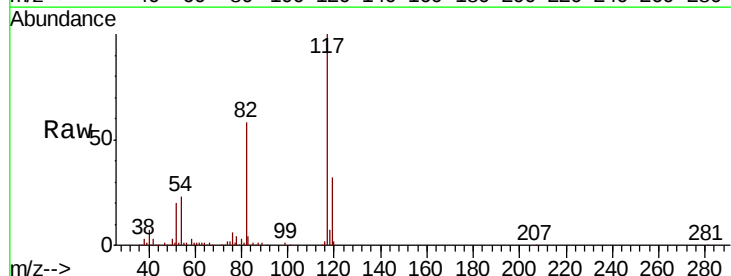


Abundance Ion 94.90 (94.60 to 95.60): VN060616.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN060616.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN060616.D (-3290) (-)

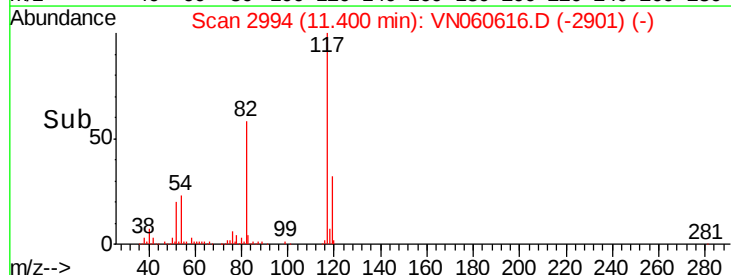
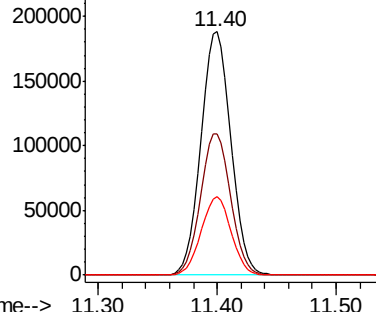


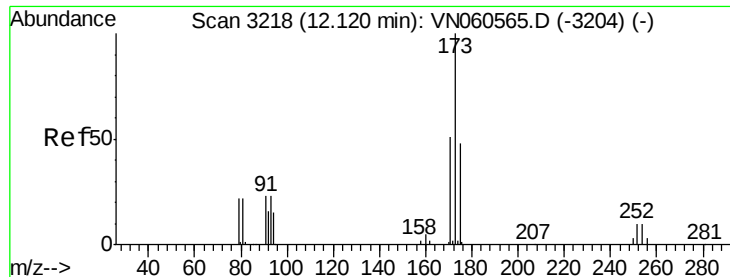
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060616.D
Acq: 19 Mar 2020 1:28

Tgt Ion: 117 Resp: 328460
Ion Ratio Lower Upper
117 100
82 58.2 46.7 70.1
119 32.3 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN060616.D (-2979) (-)
Ion 82.00 (81.70 to 82.70): VN060616.D (-2979) (-)
Ion 118.90 (118.60 to 119.60): VN060616.D (-2979) (-)





#71

Bromoform

Concen: 1.900 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060616.D

Acq: 19 Mar 2020 1:28

Instrument :

MSVOA_N

ClientSampleId :

PB127624ZHE#10

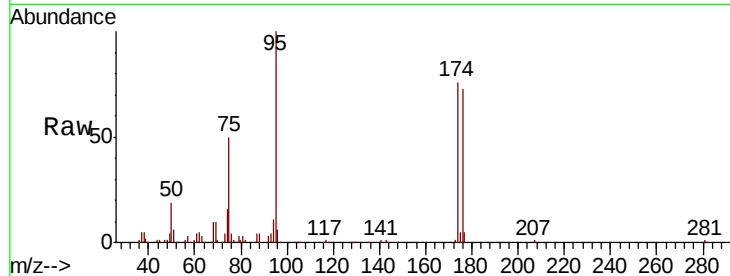
Tot Ion:173 Resp: 446

Ion Ratio Lower Upper

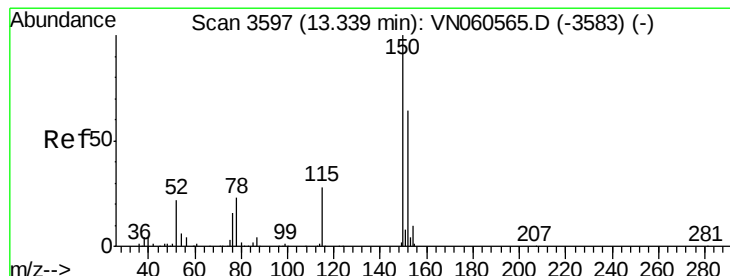
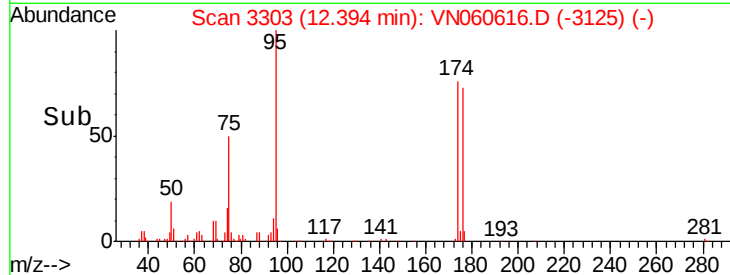
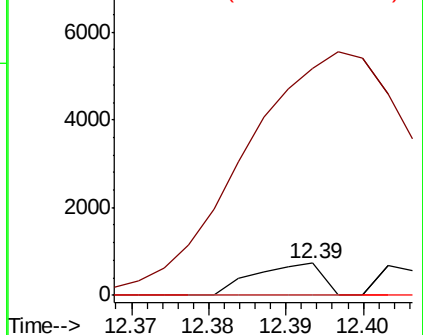
173 100

175 1747.5 24.1 72.4#

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060616.D

Acq: 19 Mar 2020 1:28

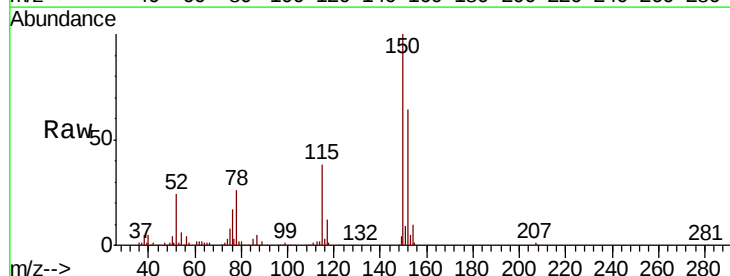
Tgt Ion:152 Resp: 146980

Ion Ratio Lower Upper

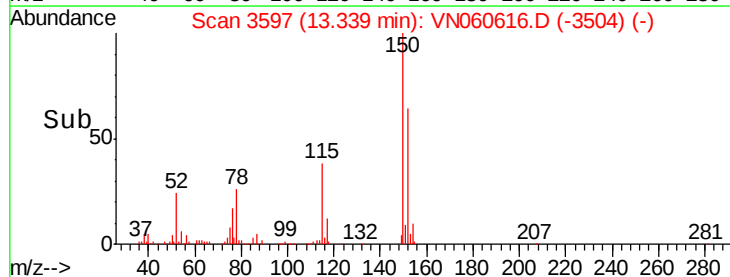
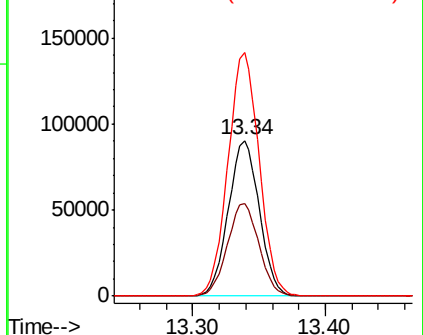
152 100

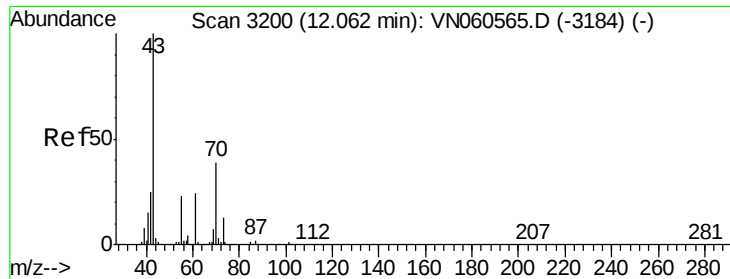
115 60.4 30.2 90.6

150 157.4 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 0.482 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060616.D

Acq: 19 Mar 2020 1:28

Instrument :

MSVOA_N

ClientSampleId :

PB127624ZHE#10

Tot Ion: 43 Resp: 2456

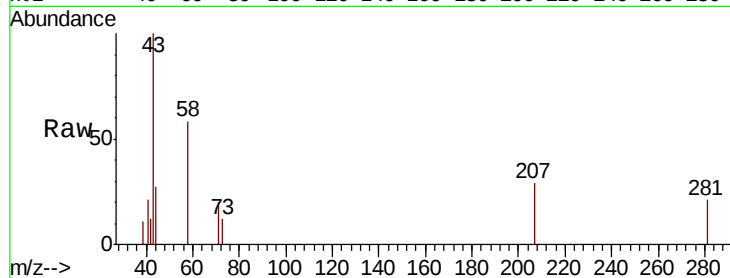
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

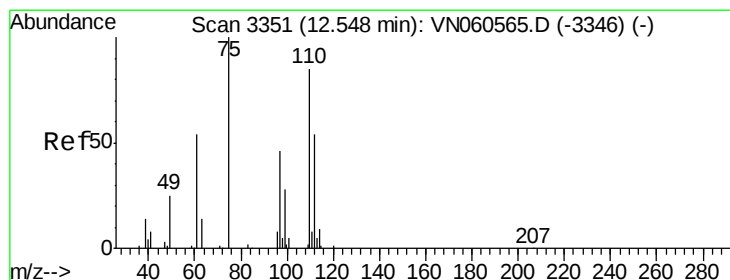
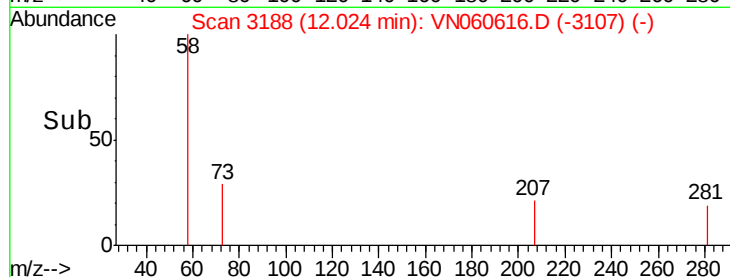
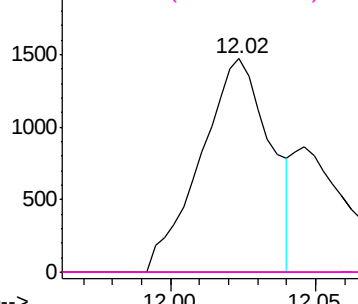


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 25.666 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060616.D

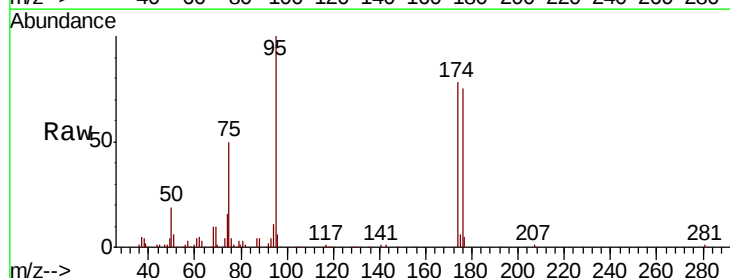
Acq: 19 Mar 2020 1:28

Tgt Ion: 75 Resp: 81400

Ion Ratio Lower Upper

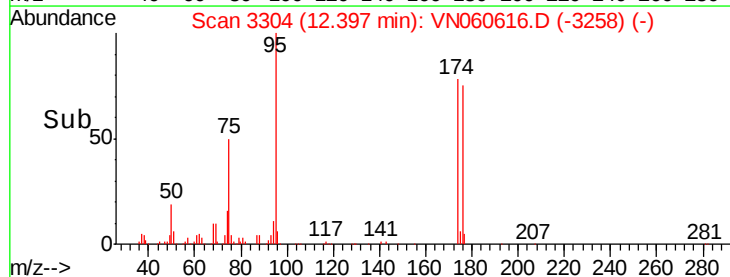
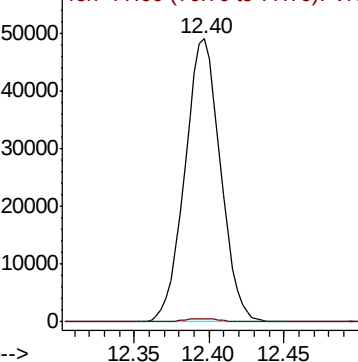
75 100

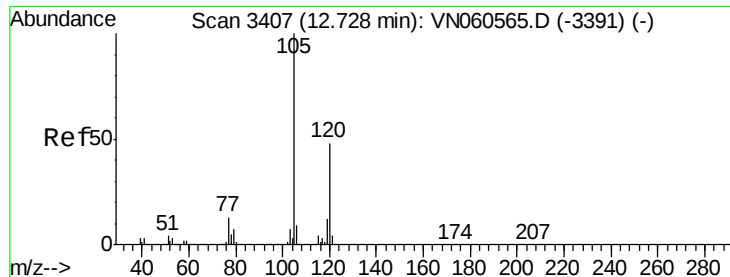
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.358 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060616.D

Acq: 19 Mar 2020 1:28

Instrument :

MSVOA_N

ClientSampleId :

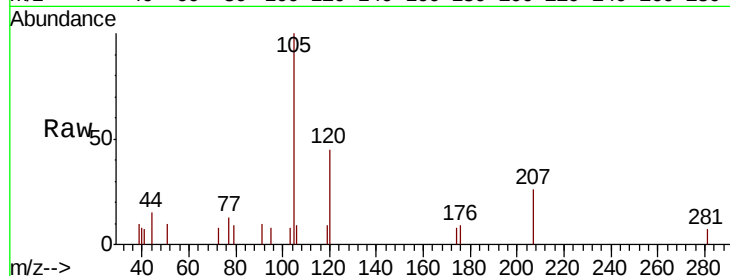
PB127624ZHE#10

Tot Ion:105 Resp: 3353

Ion Ratio Lower Upper

105 100

120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500

2000

1500

1000

500

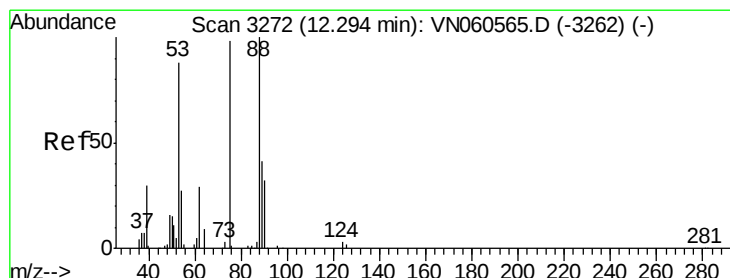
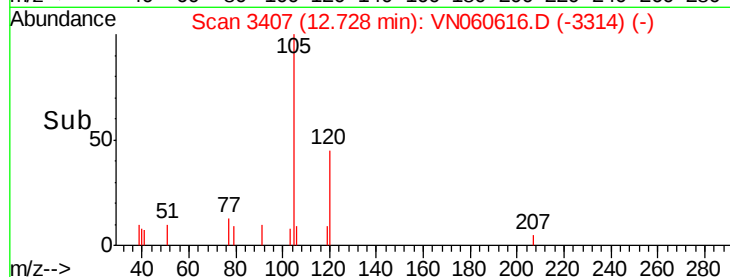
0

12.70

12.73

12.75

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 65.918 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060616.D

Acq: 19 Mar 2020 1:28

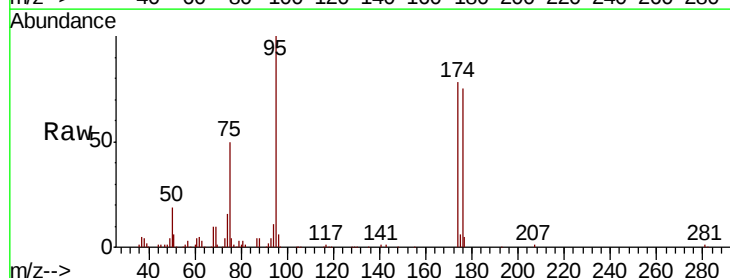
Tgt Ion: 75 Resp: 81400

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V

60000

40000

20000

0

12.35

12.40

12.45

Time-->

