

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103020\
 Data File : VN064405.D
 Acq On : 30 Oct 2020 17:16
 Operator : JC/MD
 Sample : PB132725ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132725ZHE#09

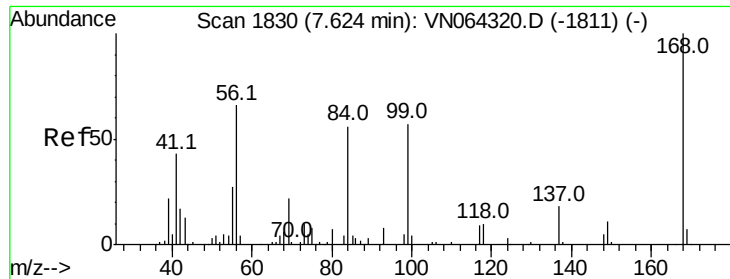
Quant Time: Nov 02 02:07:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	209099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	367047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	372583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	150219	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	172445	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
35) Dibromofluoromethane	7.55	113	122614	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
50) Toluene-d8	10.06	98	468096	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.38	95	195024	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	30	17.943	ug/l #	10
16) Acetone	3.78	43	13542	4.611	ug/l	93
18) Methyl Acetate	4.27	43	1368	0.542	ug/l #	55
20) Methylene Chloride	4.50	84	6300	2.644	ug/l #	89
25) 2-Butanone	6.78	43	417	0.247	ug/l #	52
29) Tetrahydrofuran	7.17	42	257	0.235	ug/l #	85
31) Cyclohexane	7.62	56	5545	1.422	ug/l #	31
36) 1,1-Dichloropropene	7.63	75	17649	4.764	ug/l #	43
38) Carbon Tetrachloride	7.63	117	22462	5.230	ug/l #	17
43) Isopropyl Acetate	8.12	43	77613	12.134	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	1553	0.562	ug/l #	44
48) Methyl methacrylate	9.14	41	4124	1.250	ug/l #	15
49) 1,4-Dioxane	9.24	88	70	1.439	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	5251	1.412	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	30339	6.511	ug/l #	64
56) Ethyl methacrylate	10.50	69	1813	0.466	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5557	1.268	ug/l #	42
59) 2-Hexanone	10.74	43	87016	31.777	ug/l #	52
74) N-amyl acetate	12.00	43	2336	0.472	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	108539	30.172	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1990	0.209	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.38	75	108539	86.911	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

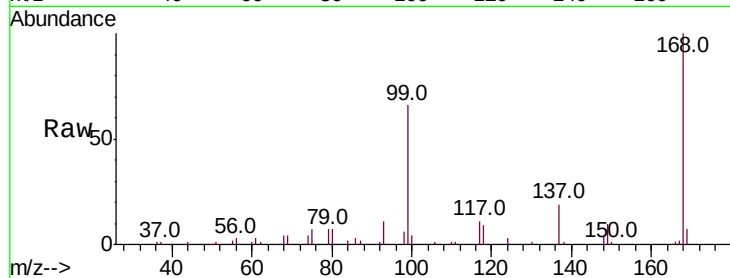
PB132725ZHE#09

Tot Ion:168 Resp: 209099

Ion Ratio Lower Upper

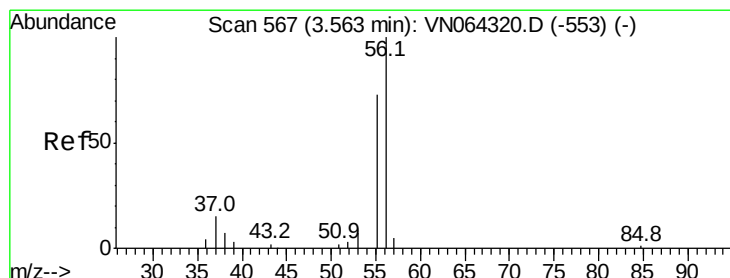
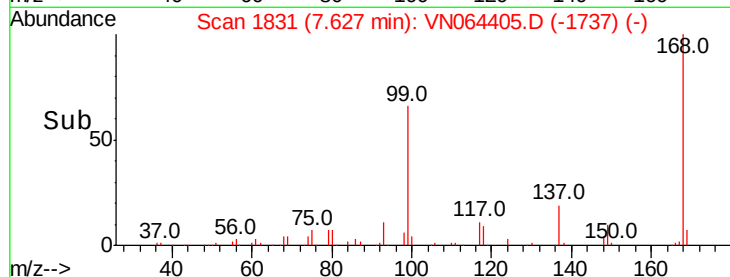
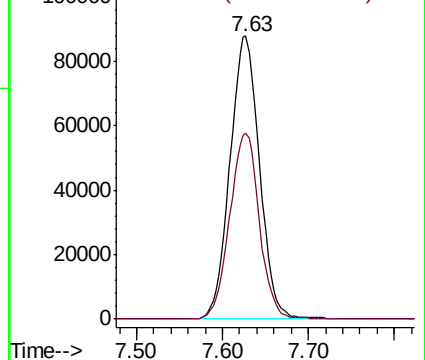
168 100

99 65.7 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): VN064405.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064405.D (-1737) (-)



#13

Acrolein

Concen: 17.943 ug/l

RT: 3.59 min Scan# 574

Delta R.T. 0.02 min

Lab File: VN064405.D

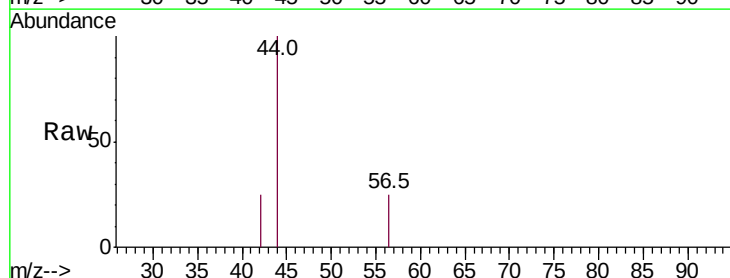
Acq: 30 Oct 2020 17:16

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

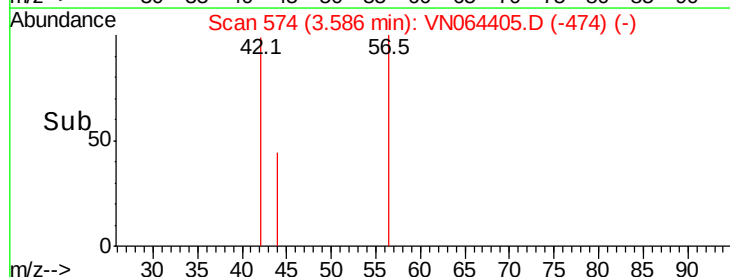
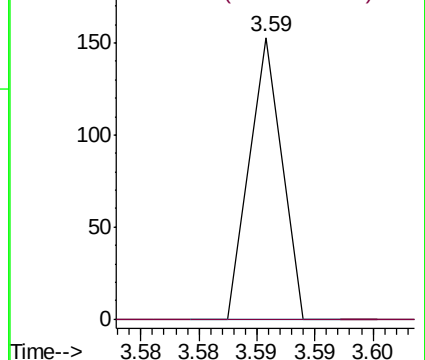
56 100

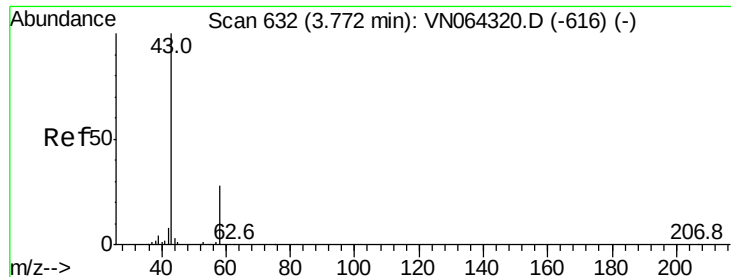
55 0.0 62.6 94.0#



Abundance Ion 56.00 (55.70 to 56.70): VN064405.D (-474) (-)

Ion 55.00 (54.70 to 55.70): VN064405.D (-474) (-)





#16

Acetone

Concen: 4.611 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

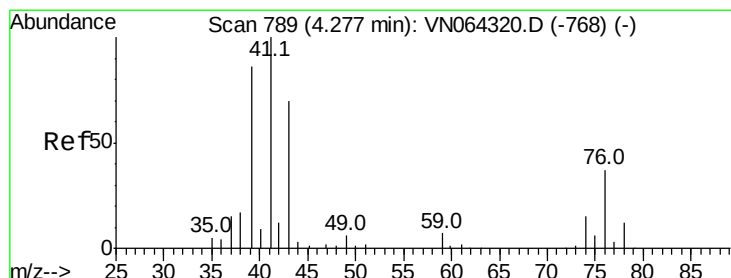
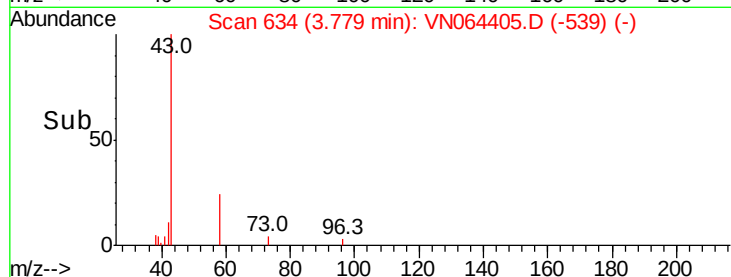
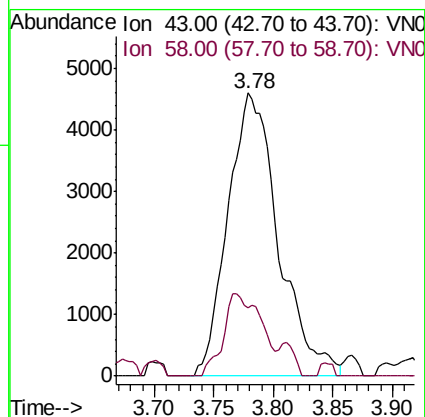
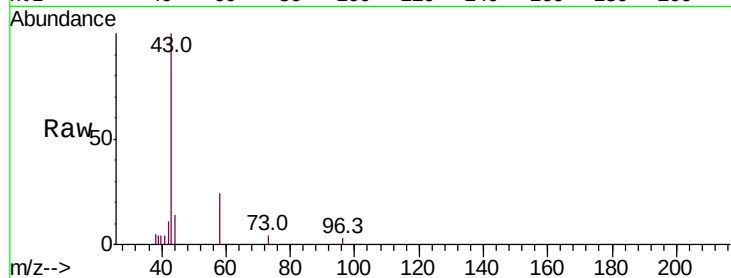
PB132725ZHE#09

Tot Ion: 43 Resp: 13542

Ion Ratio Lower Upper

43 100

58 24.1 22.1 33.1



#18

Methyl Acetate

Concen: 0.542 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.01 min

Lab File: VN064405.D

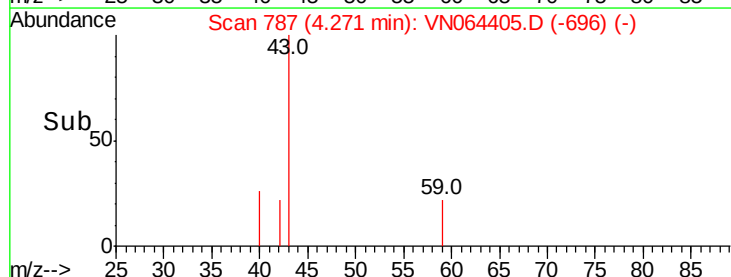
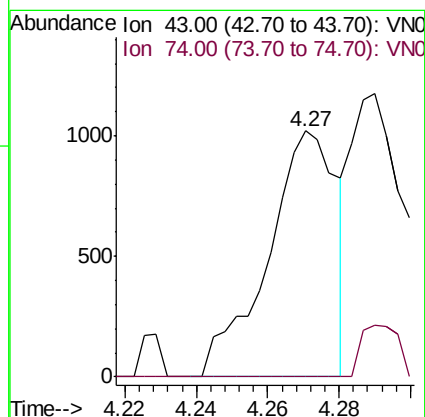
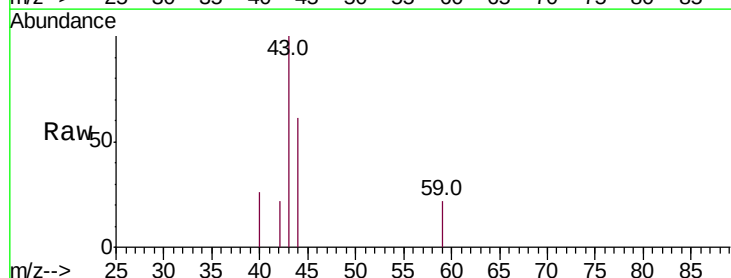
Acq: 30 Oct 2020 17:16

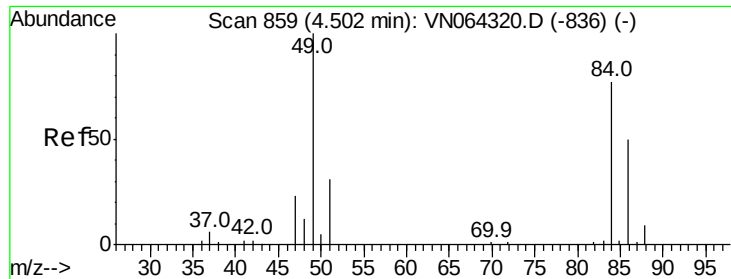
Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#

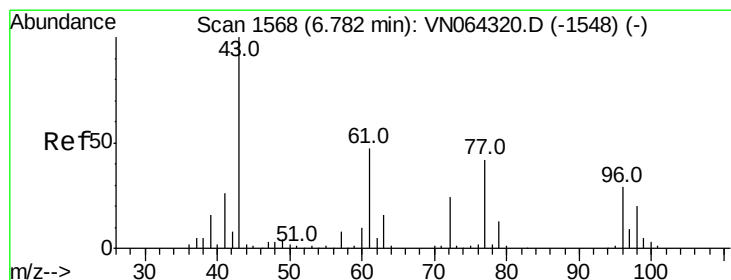
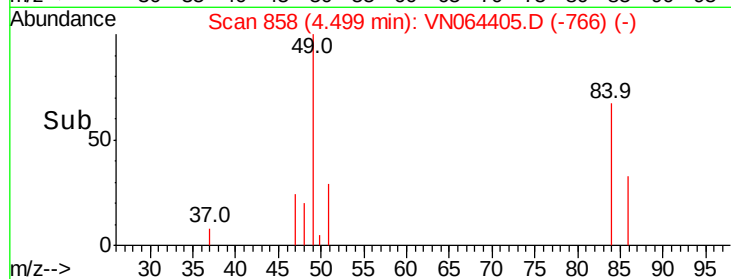
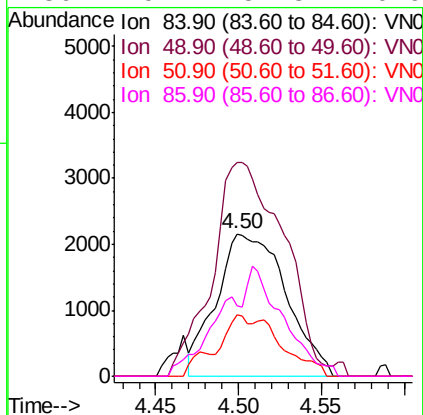
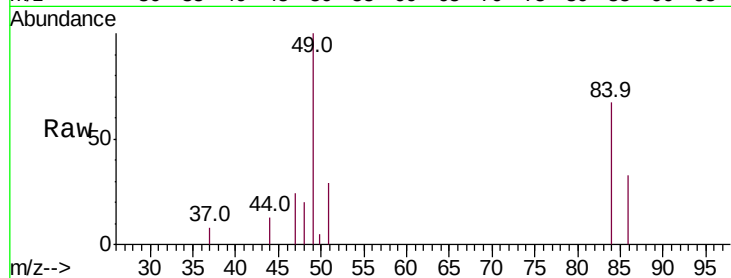




#20
Methvlene Chloride
Concen: 2.644 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064405.D
Acq: 30 Oct 2020 17:16

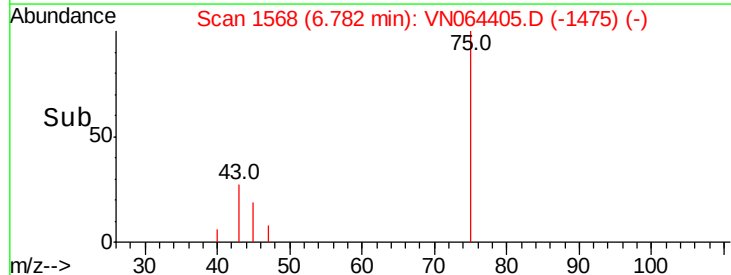
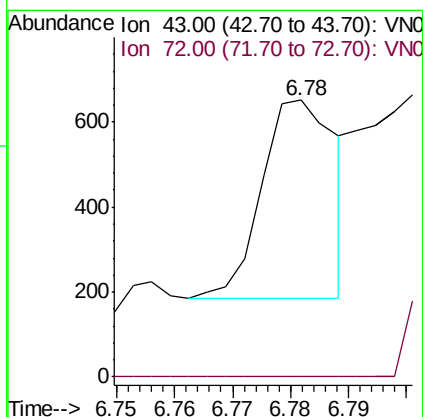
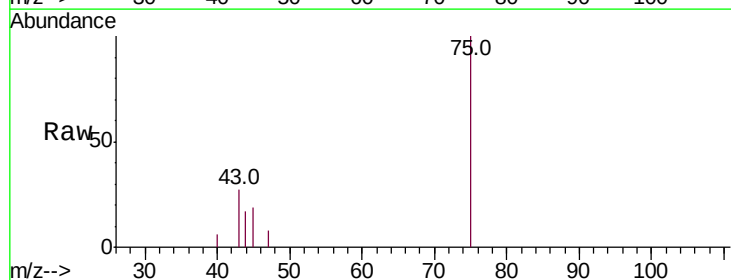
Instrument :
MSVOA_N
ClientSampleId :
PB132725ZHE#09

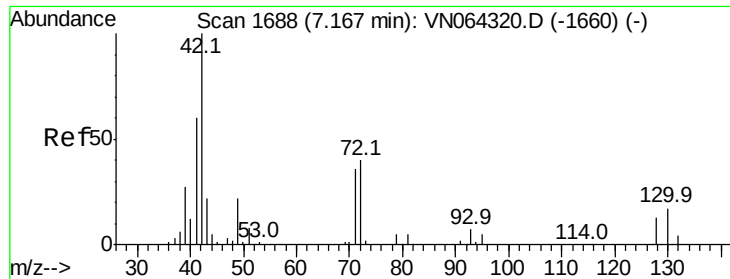
Tot Ion: 84 Resp: 6300
Ion Ratio Lower Upper
84 100
49 139.3 103.6 155.4
51 42.7 31.8 47.8
86 49.4 51.3 76.9#



#25
2-Butanone
Concen: 0.247 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN064405.D
Acq: 30 Oct 2020 17:16

Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#





#29

Tetrahydrofuran

Concen: 0.235 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

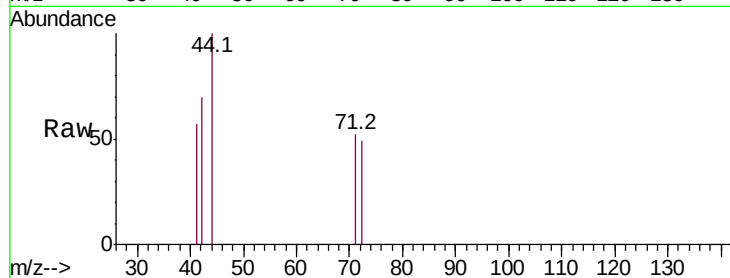
MSVOA_N

ClientSampleId :

PB132725ZHE#09

Tot Ion: 42 Resp: 257

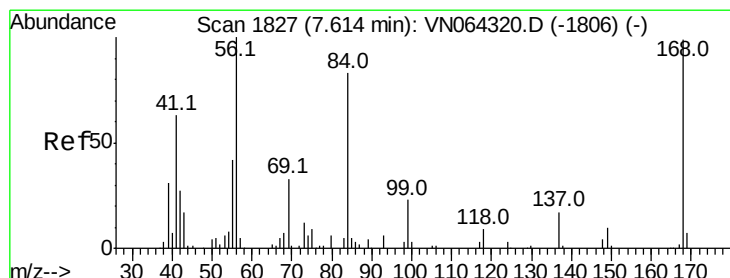
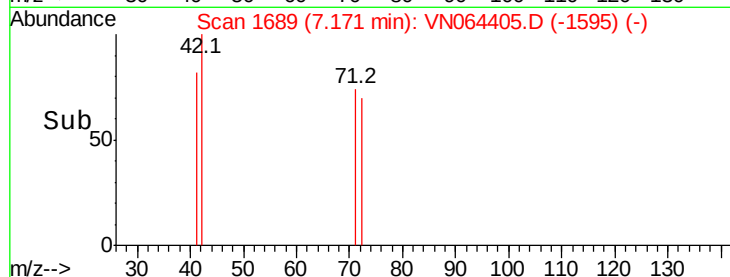
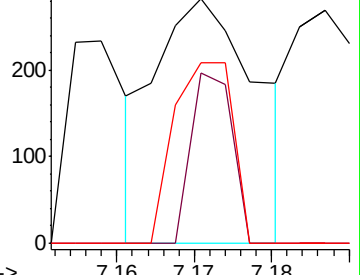
Ion	Ratio	Lower	Upper
42	100		
72	28.4	31.6	47.4#
71	43.2	29.4	44.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.422 ug/l

RT: 7.62 min Scan# 1830

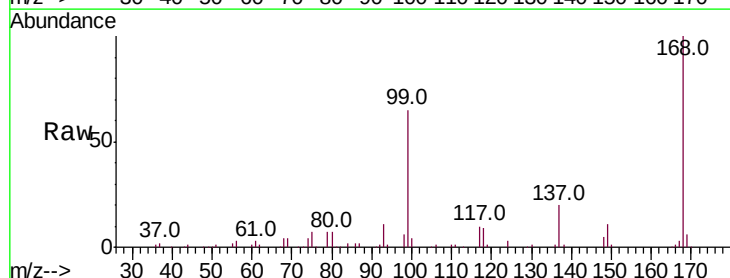
Delta R.T. 0.01 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Tgt Ion: 56 Resp: 5545

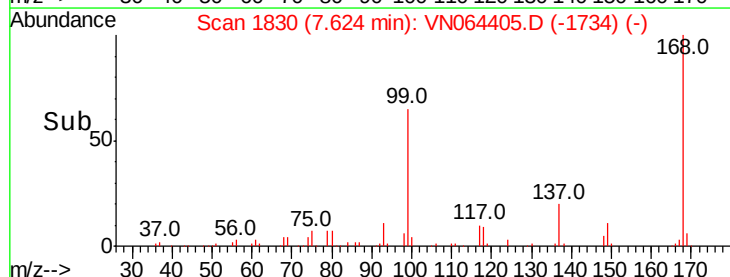
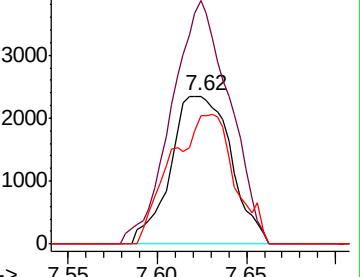
Ion	Ratio	Lower	Upper
56	100		
69	164.6	25.8	38.8#
84	86.5	66.3	99.5

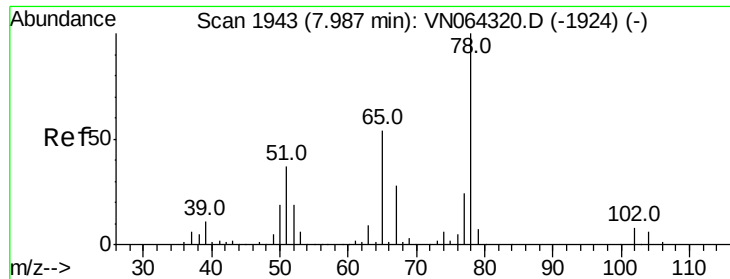


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

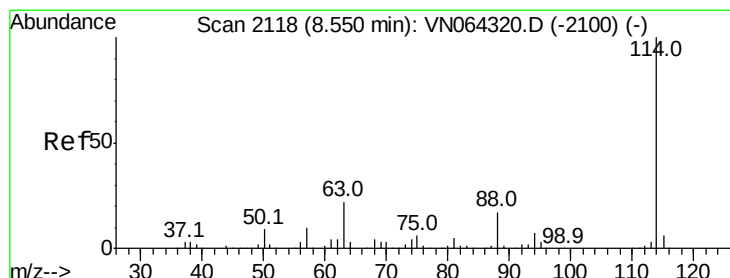
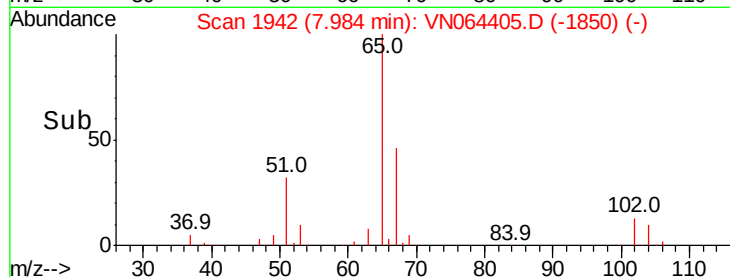
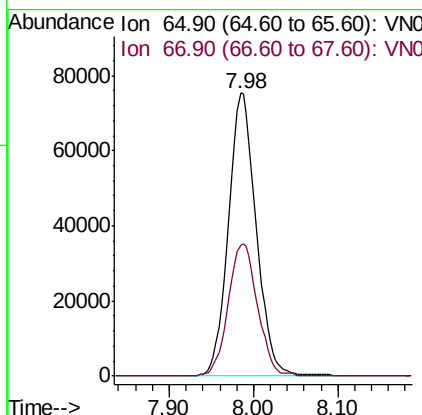
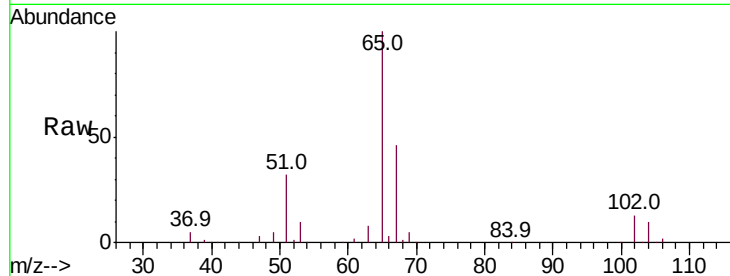




#33
 1,2-Dichloroethane-d4
 Concen: 51.320 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064405.D
 Acq: 30 Oct 2020 17:16

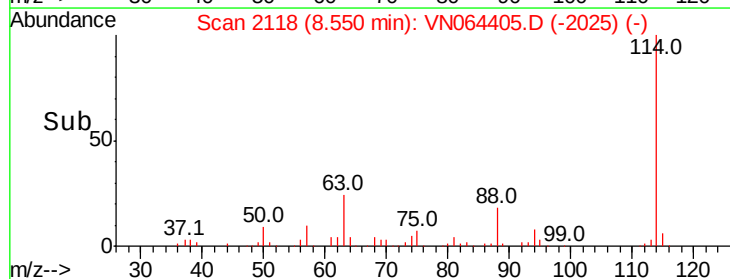
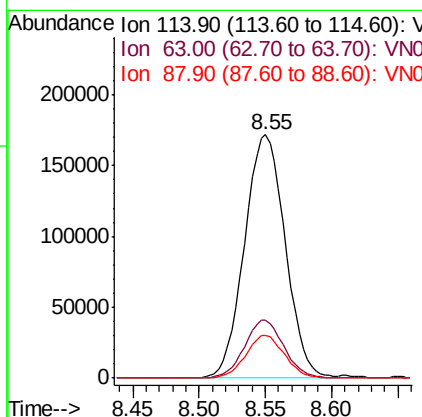
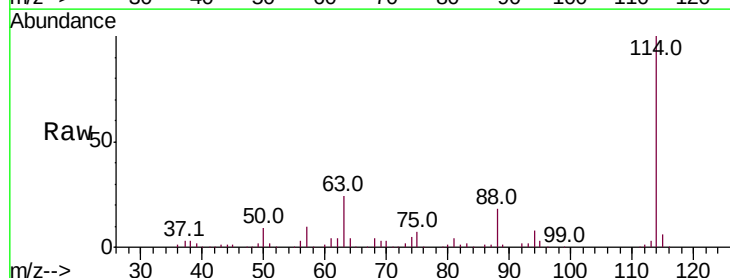
Instrument :
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 PB132725ZHE#09

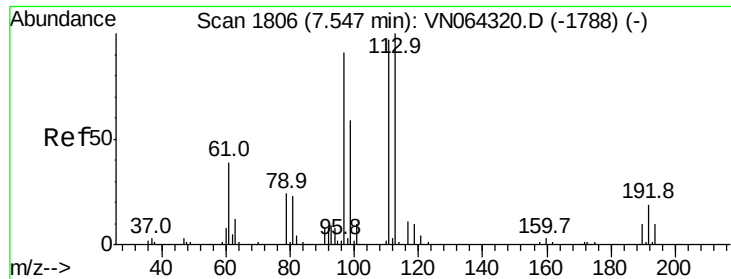
Tot Ion: 65 Resp: 172445
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 99.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064405.D
 Acq: 30 Oct 2020 17:16

Tgt Ion: 114 Resp: 367047
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 44.6
 88 17.8 0.0 33.4

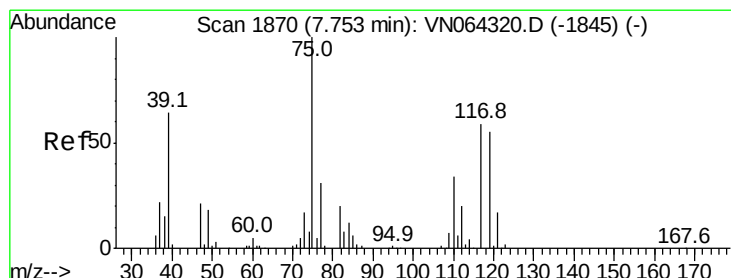
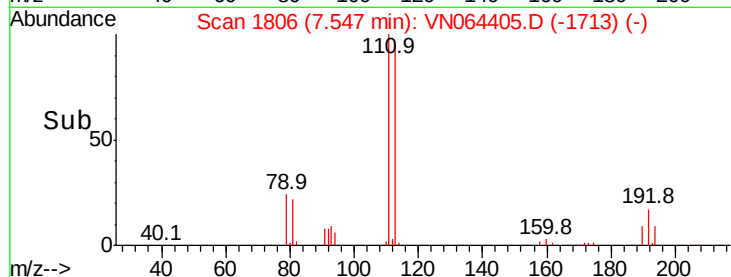
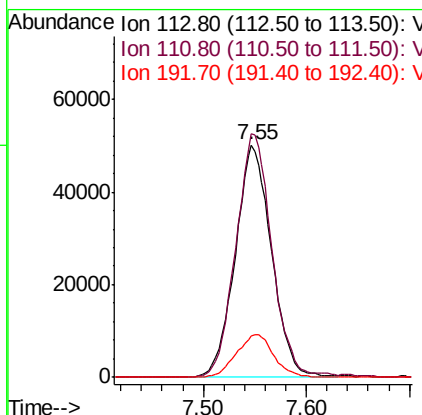
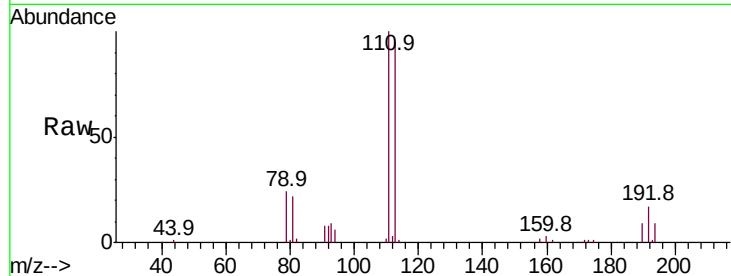




#35
 Dibromofluoromethane
 Concen: 50.093 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064405.D
 Acq: 30 Oct 2020 17:16

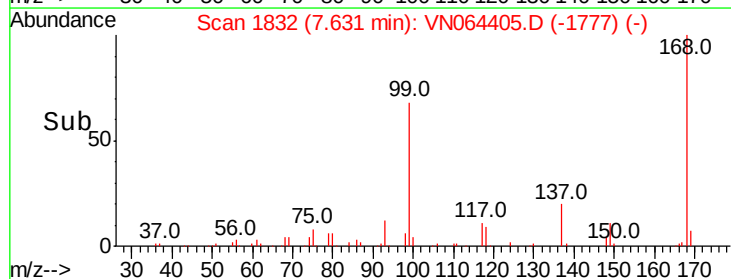
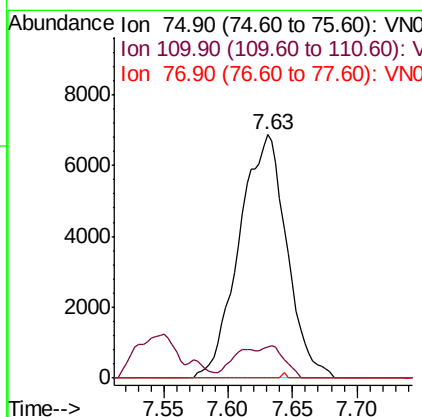
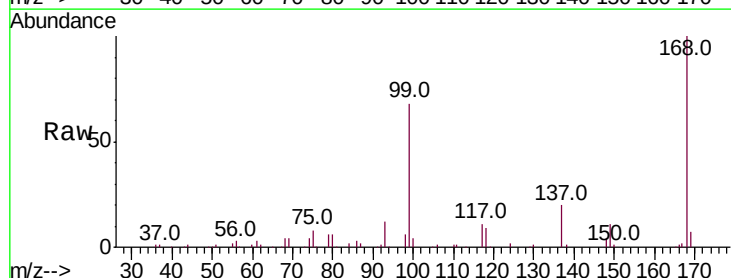
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132725ZHE#09

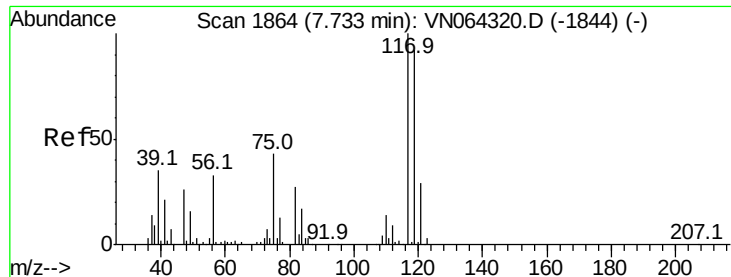
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.5	122.3
192	18.8	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 4.764 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064405.D
 Acq: 30 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.8	50.3#
77	0.2	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.230 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB132725ZHE#09

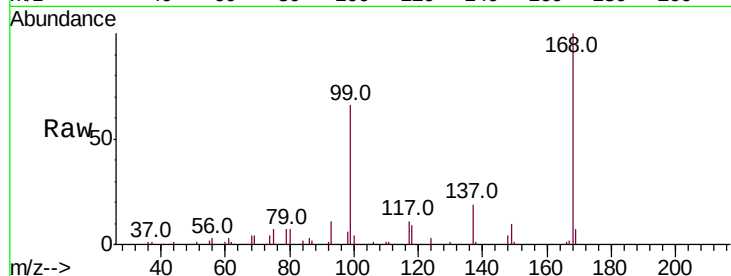
Tot Ion:117 Resp: 22462

Ion Ratio Lower Upper

117 100

119 4.2 73.7 110.5#

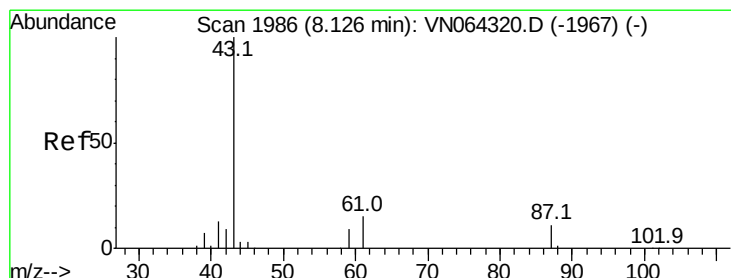
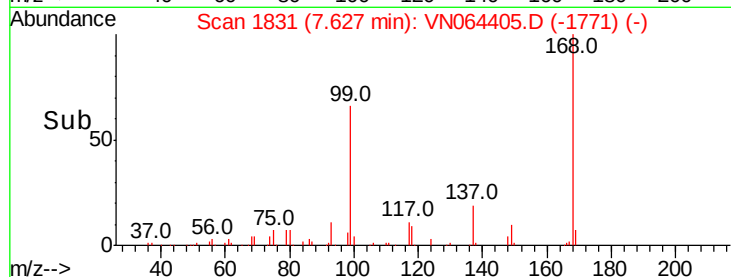
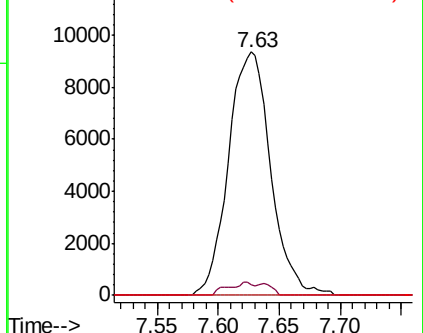
121 0.0 22.8 34.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 12.134 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

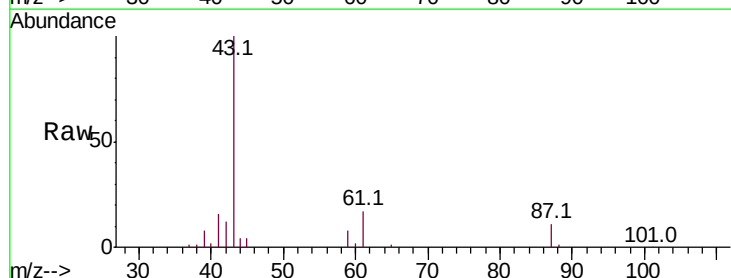
Tgt Ion: 43 Resp: 77613

Ion Ratio Lower Upper

43 100

61 17.5 19.1 28.7#

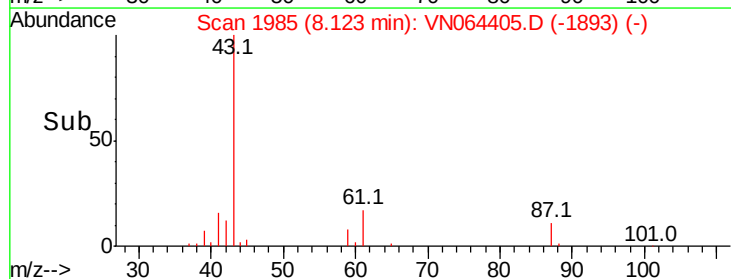
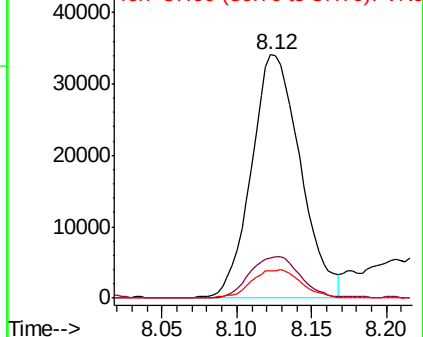
87 11.8 9.3 13.9

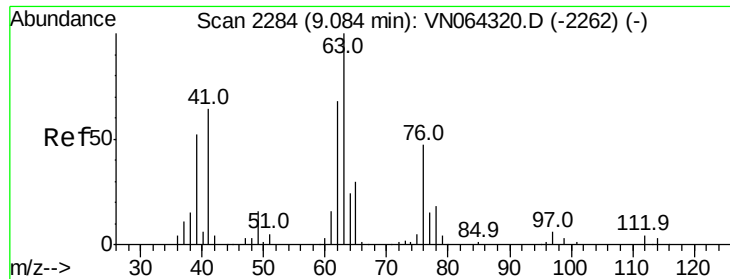


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.562 ug/l

RT: 9.23 min Scan# 2329

Delta R.T. 0.14 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

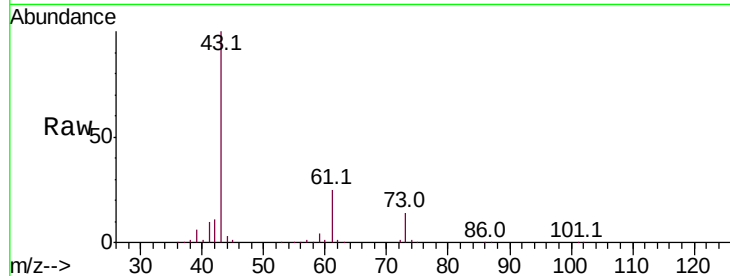
PB132725ZHE#09

Tot Ion: 63 Resp: 1553

Ion Ratio Lower Upper

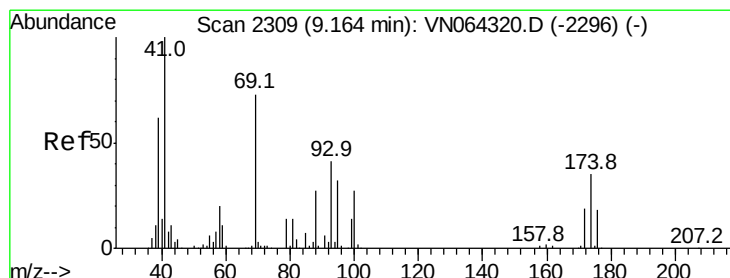
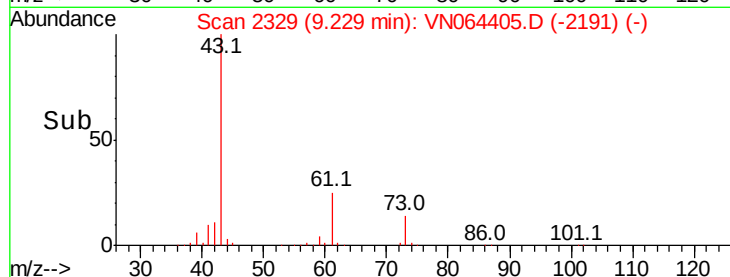
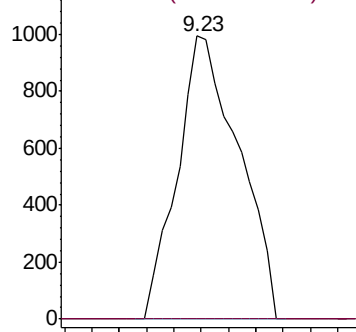
63 100

65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.250 ug/l

RT: 9.14 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

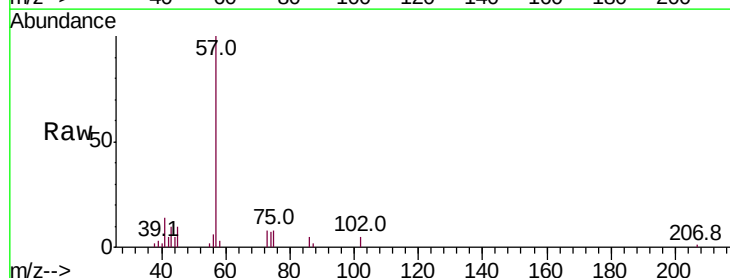
Tgt Ion: 41 Resp: 4124

Ion Ratio Lower Upper

41 100

69 0.0 59.1 88.7#

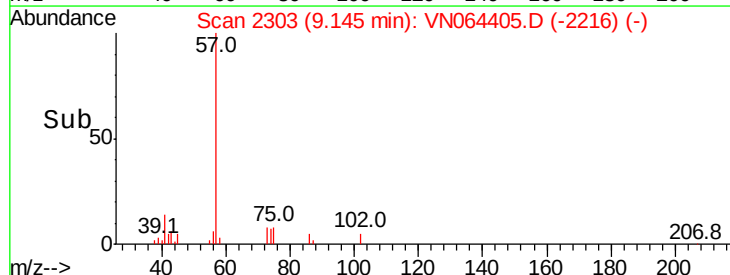
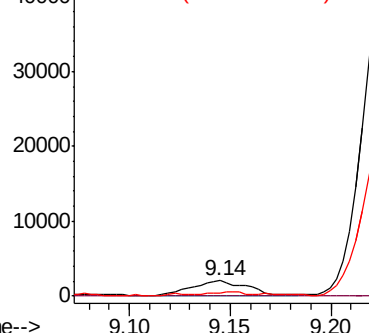
39 0.0 51.3 76.9#

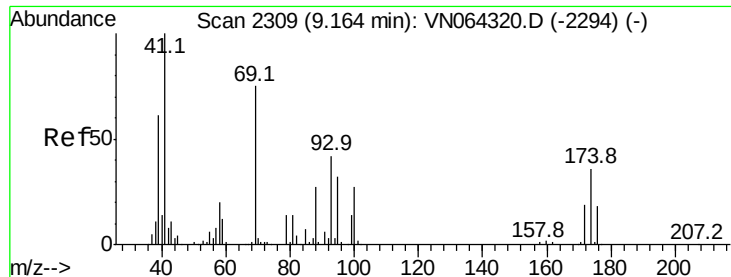


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1.439 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB132725ZHE#09

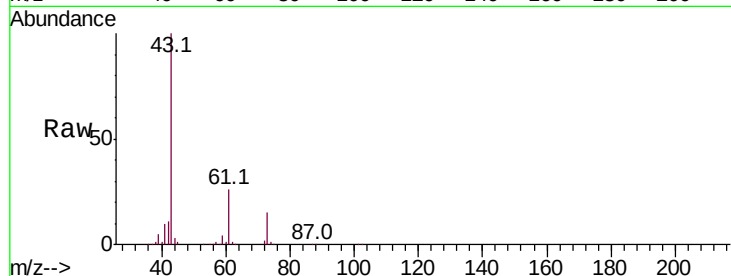
Tot Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 1876815.7 31.8 47.8#

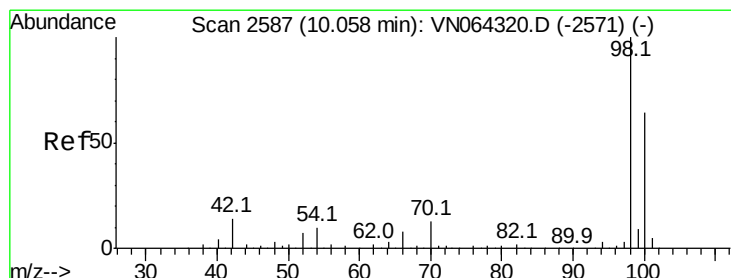
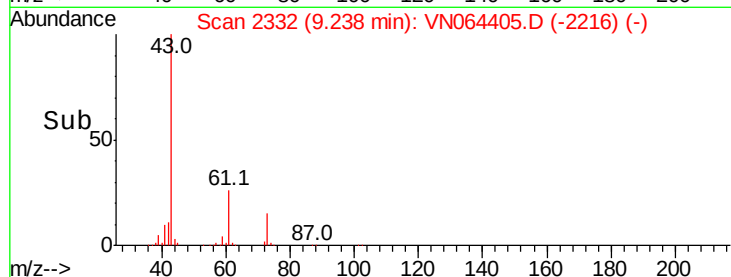
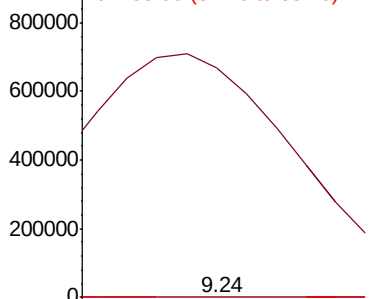
58 7407.1 60.3 90.5#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.701 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064405.D

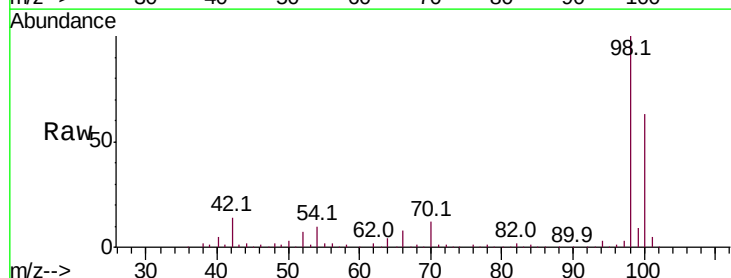
Acq: 30 Oct 2020 17:16

Tgt Ion: 98 Resp: 468096

Ion Ratio Lower Upper

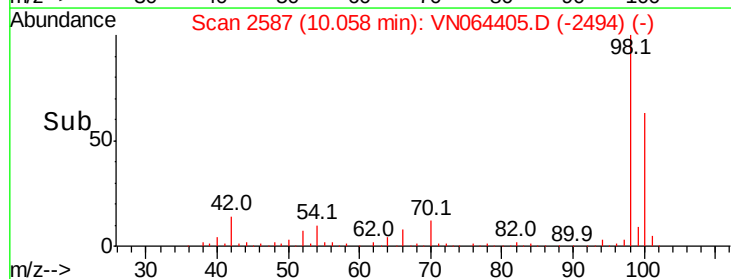
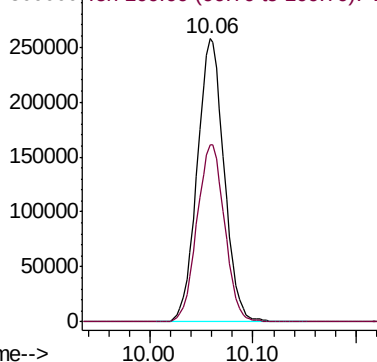
98 100

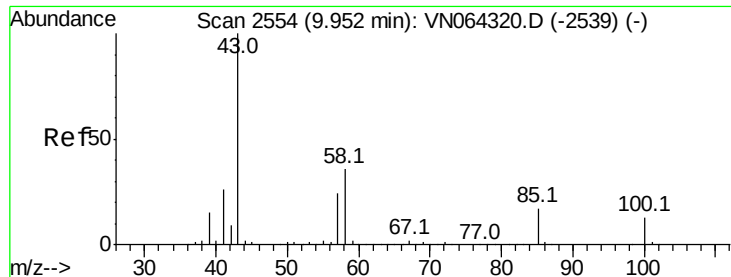
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.412 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

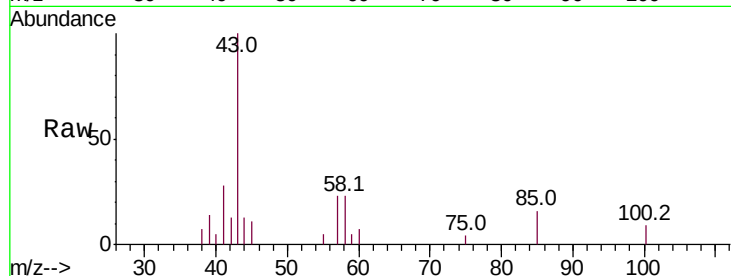
PB132725ZHE#09

Tot Ion: 43 Resp: 5251

Ion Ratio Lower Upper

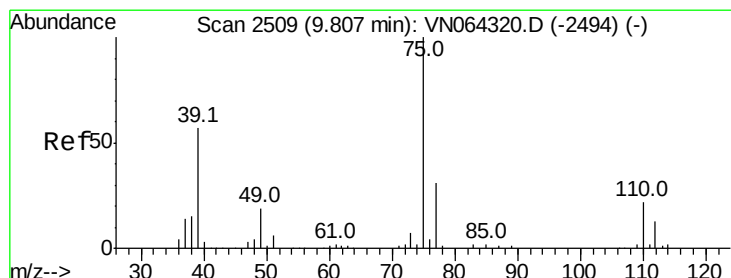
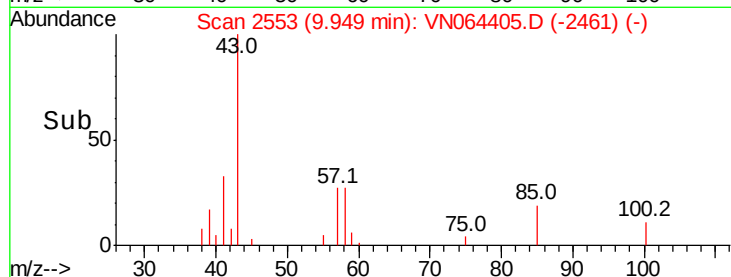
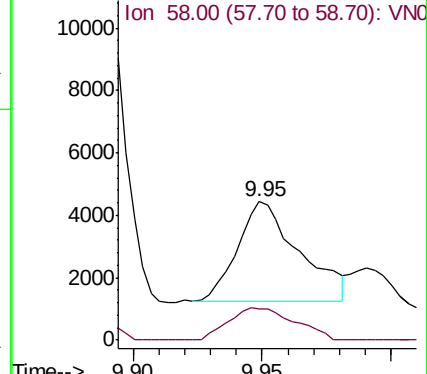
43 100

58 35.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-2539) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.511 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

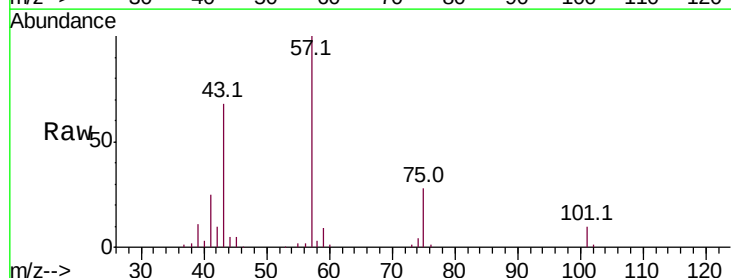
Tgt Ion: 75 Resp: 30339

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

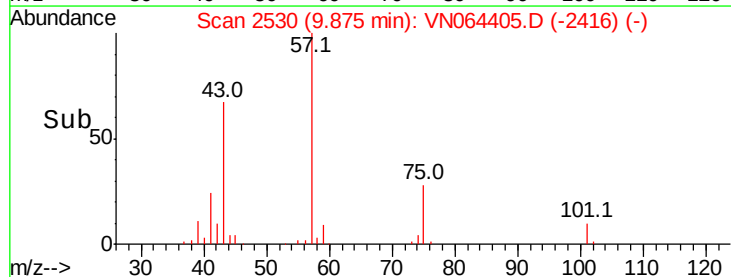
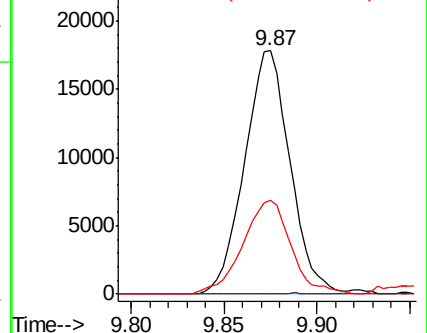
39 38.7 45.5 68.3#

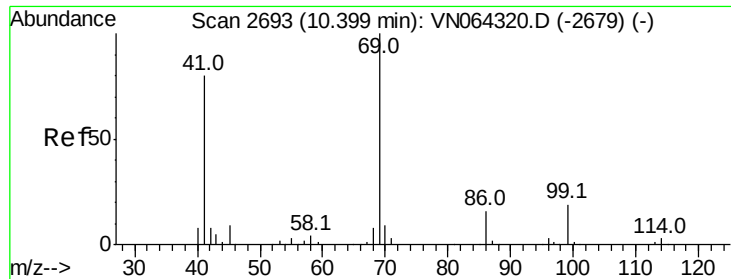


Abundance Ion 74.90 (74.60 to 75.60): VN064320.D (-2494) (-)

Ion 76.90 (76.60 to 77.60): VN064320.D (-2494) (-)

Ion 39.00 (38.70 to 39.70): VN064320.D (-2494) (-)





#56

Ethyl methacrylate

Concen: 0.466 ug/l

RT: 10.50 min Scan# 2725

Delta R.T. 0.10 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB132725ZHE#09

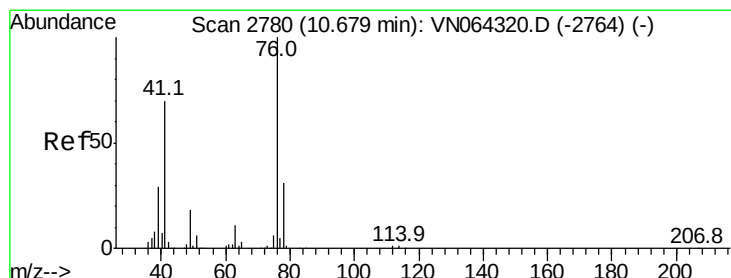
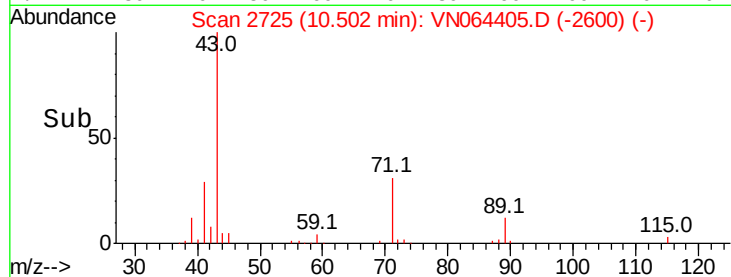
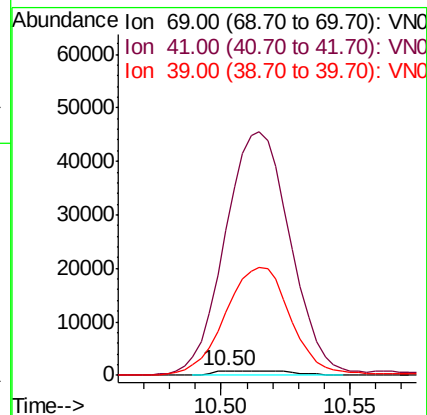
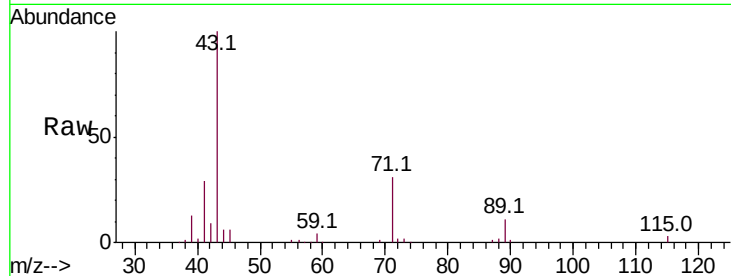
Tot Ion: 69 Resp: 1813

Ion Ratio Lower Upper

69 100

41 4449.4 61.4 92.2#

39 1980.6 36.5 54.7#



#57

1,3-Dichloropropane

Concen: 1.268 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064405.D

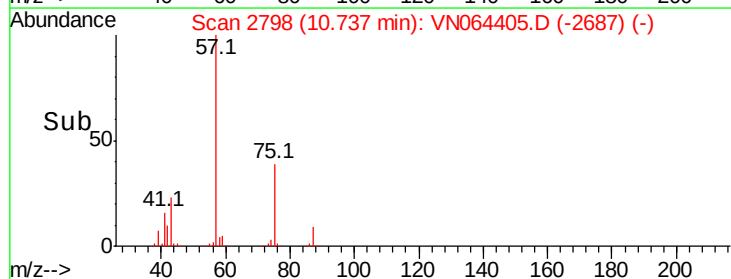
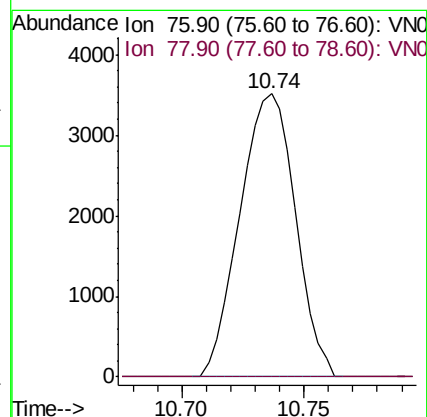
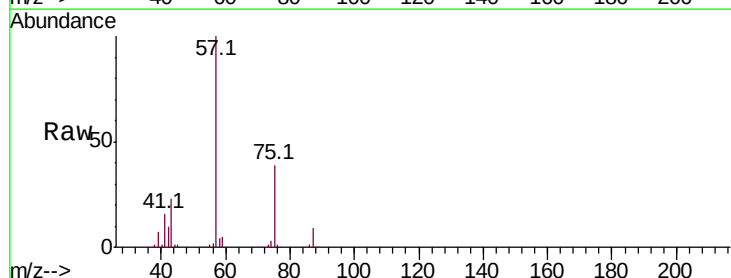
Acq: 30 Oct 2020 17:16

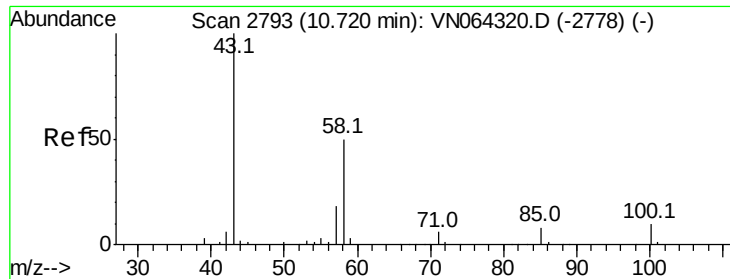
Tgt Ion: 76 Resp: 5557

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

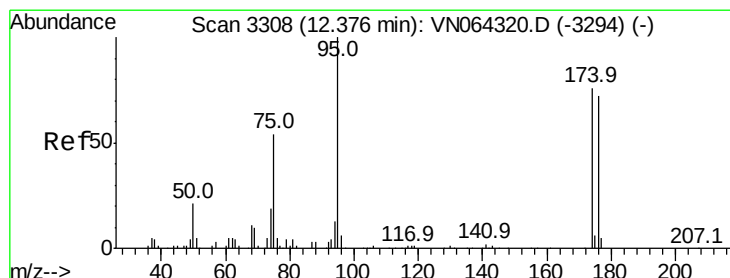
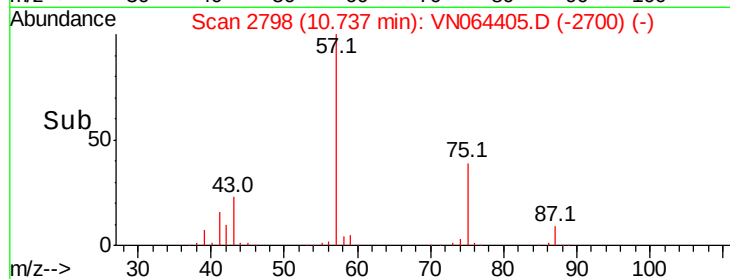
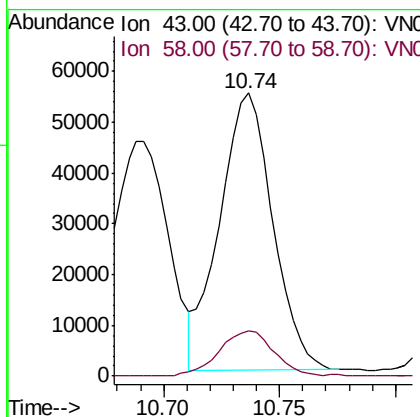
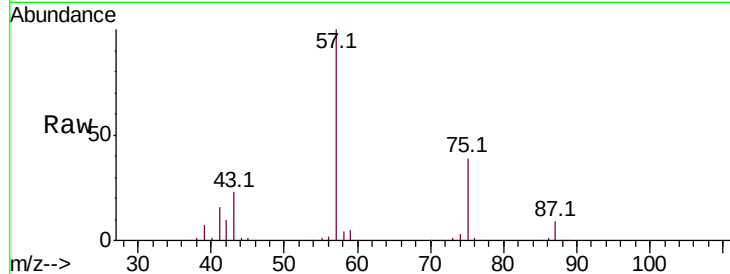




#59
2-Hexanone
Concen: 31.777 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064405.D
Acq: 30 Oct 2020 17:16

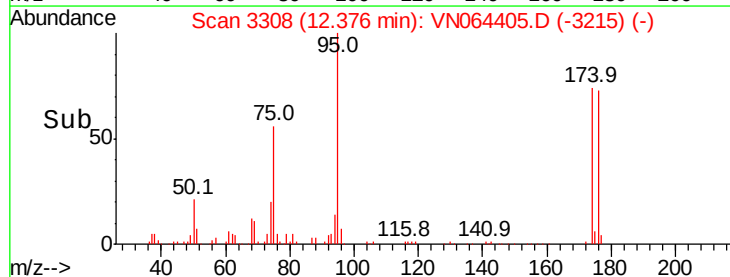
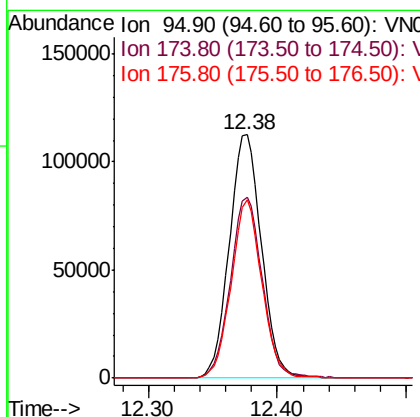
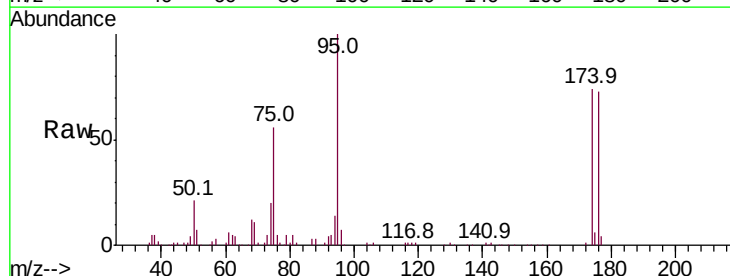
Instrument :
MSVOA_N
ClientSampleId :
PB132725ZHE#09

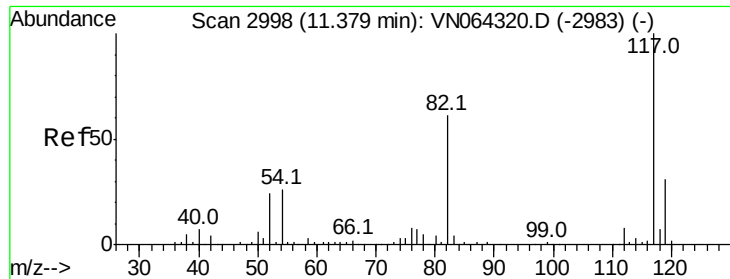
Tot Ion: 43 Resp: 87016
Ion Ratio Lower Upper
43 100
58 17.2 25.0 75.0#



#62
4-Bromofluorobenzene
Concen: 55.247 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064405.D
Acq: 30 Oct 2020 17:16

Tgt Ion: 95 Resp: 195024
Ion Ratio Lower Upper
95 100
174 74.0 0.0 147.4
176 70.0 0.0 143.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB132725ZHE#09

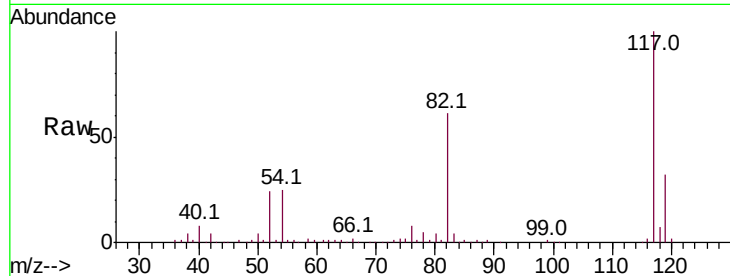
Tot Ion:117 Resp: 372583

Ion Ratio Lower Upper

117 100

82 60.9 48.8 73.2

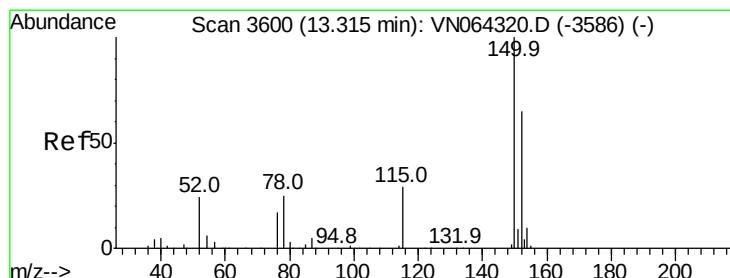
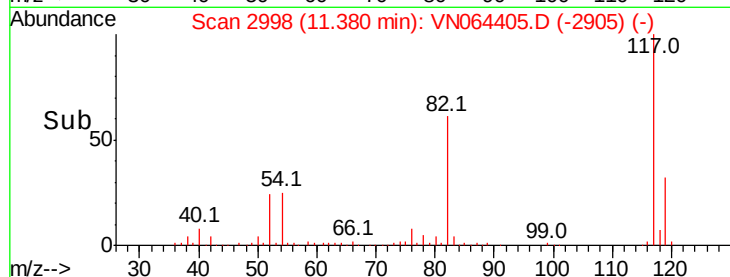
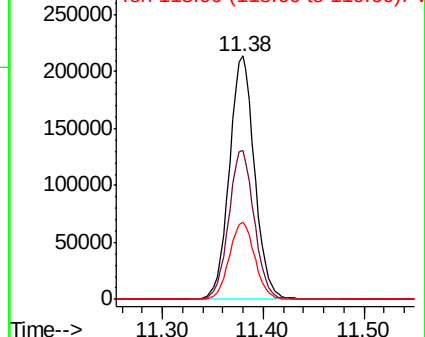
119 31.6 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

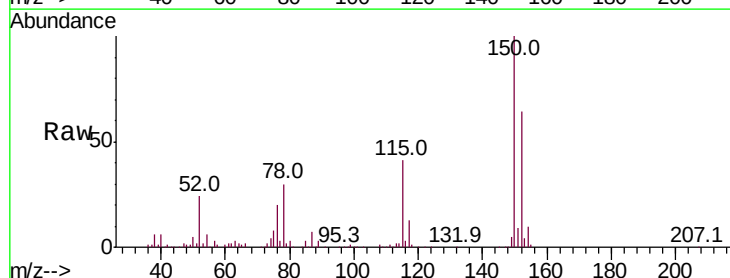
Tgt Ion:152 Resp: 150219

Ion Ratio Lower Upper

152 100

115 66.0 31.5 94.5

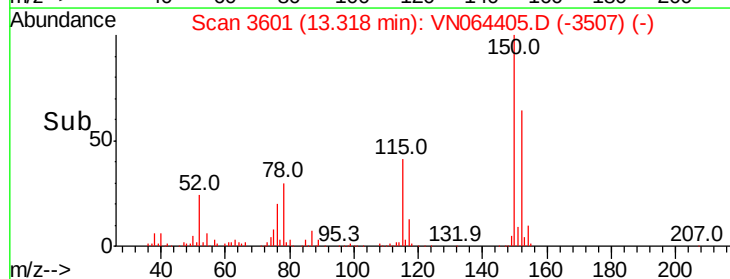
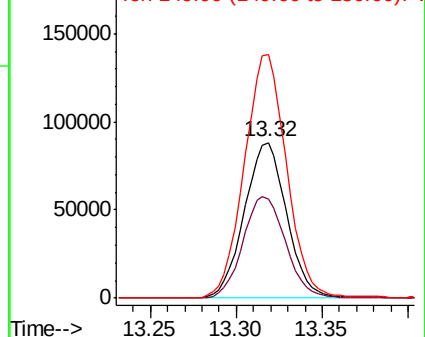
150 156.3 0.0 346.2

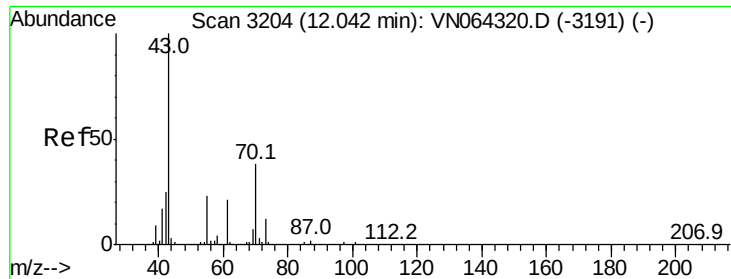


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.472 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB132725ZHE#09

Tot Ion: 43 Resp: 2336

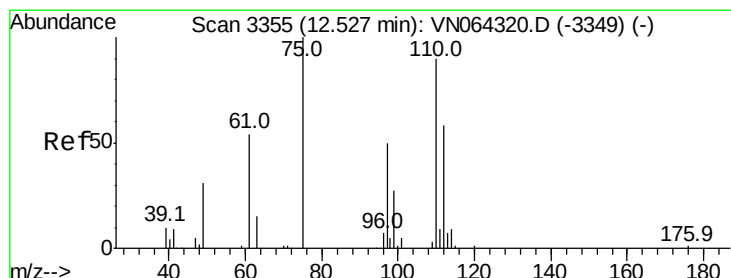
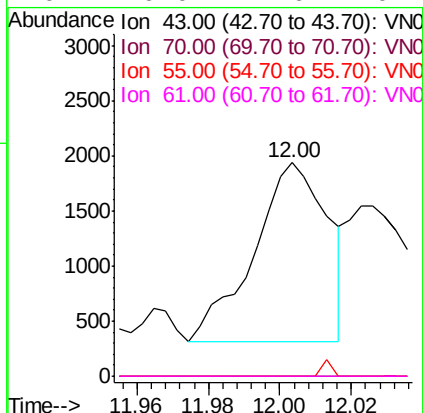
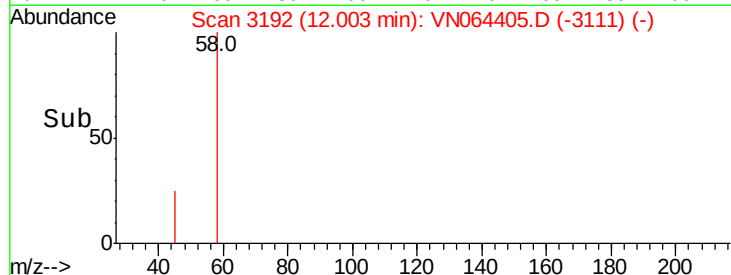
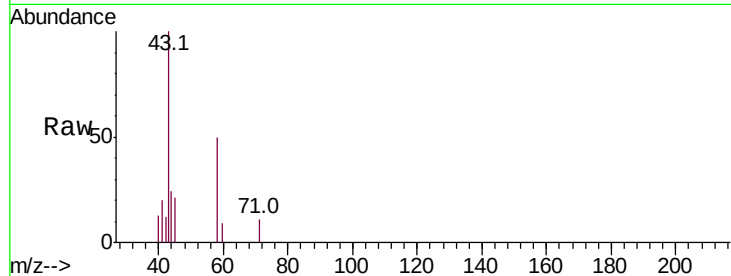
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 0.0 18.2 27.4#

61 0.0 17.6 26.4#



#76

1,2,3-Trichloropropane

Concen: 30.172 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064405.D

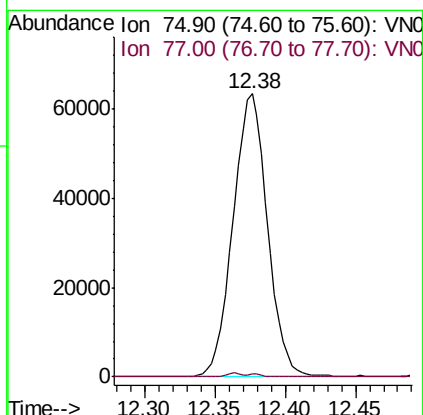
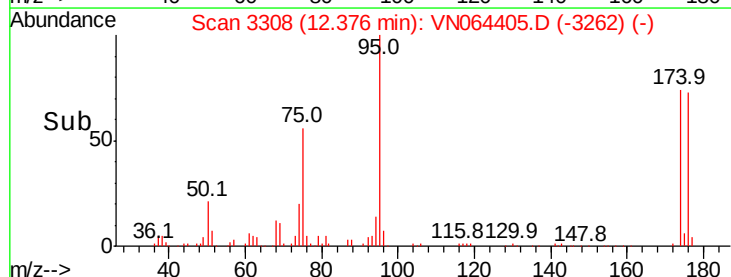
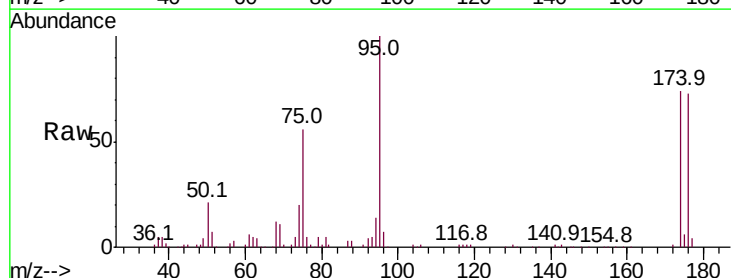
Acq: 30 Oct 2020 17:16

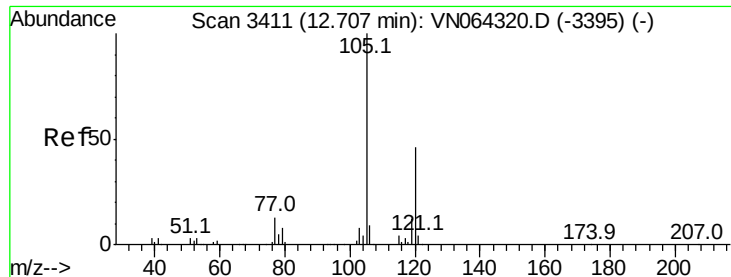
Tgt Ion: 75 Resp: 108539

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.209 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

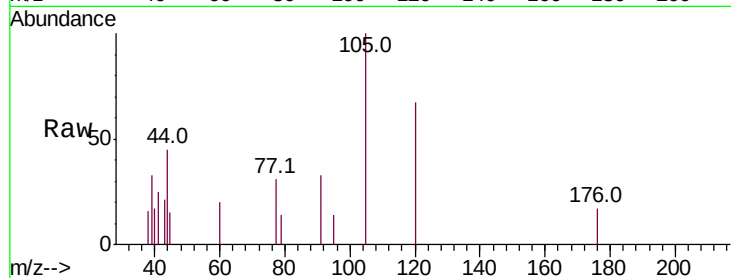
PB132725ZHE#09

Tot Ion:105 Resp: 1990

Ion Ratio Lower Upper

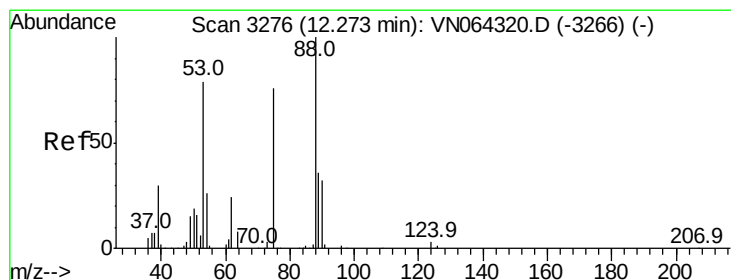
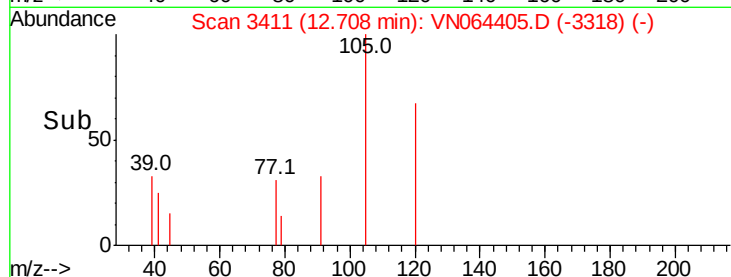
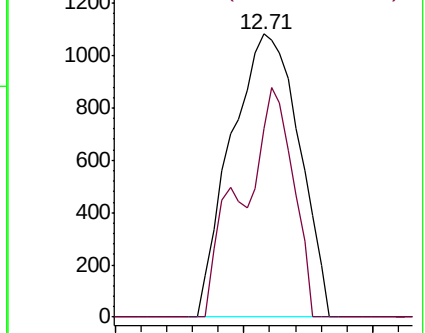
105 100

120 41.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 86.911 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064405.D

Acq: 30 Oct 2020 17:16

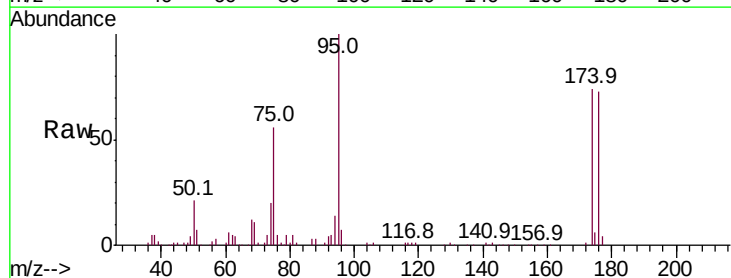
Tgt Ion: 75 Resp: 108539

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

89 0.0 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

