

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063365.D
 Acq On : 16 Sep 2020 15:26
 Operator : JC/MD
 Sample : VN0916WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

Quant Time: Sep 17 04:05:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	267489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	421844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198321	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	234431	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	7.55	113	164168	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	10.06	98	625015	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.38	95	231438	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	63308	20.891	ug/l	98
3) Chloromethane	2.03	50	81122	20.235	ug/l	98
4) Vinyl Chloride	2.16	62	76375	21.503	ug/l	96
5) Bromomethane	2.54	94	48835	23.157	ug/l	100
6) Chloroethane	2.68	64	45756	20.986	ug/l	98
7) Trichlorofluoromethane	2.99	101	111476	21.036	ug/l	97
8) Diethyl Ether	3.38	74	43947	21.274	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	62655	21.024	ug/l	98
10) Methyl Iodide	3.91	142	74503	19.202	ug/l	100
11) Tert butyl alcohol	4.72	59	59158	93.782	ug/l	99
12) 1,1-Dichloroethene	3.70	96	62372	20.663	ug/l	98
13) Acrolein	3.57	56	33911	145.063	ug/l	98
14) Allyl chloride	4.28	41	127664	21.381	ug/l	100
15) Acrylonitrile	4.93	53	157705	98.286	ug/l	99
16) Acetone	3.78	43	136616	93.357	ug/l	99
17) Carbon Disulfide	4.02	76	178955	20.381	ug/l	100
18) Methyl Acetate	4.28	43	72921	19.629	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	227340	20.207	ug/l	99
20) Methylene Chloride	4.51	84	73931	19.940	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	69105	20.663	ug/l	93
22) Diisopropyl ether	5.90	45	252452	20.731	ug/l	97
23) Vinyl Acetate	5.84	43	1045533	104.544	ug/l	98
24) 1,1-Dichloroethane	5.80	63	139799	21.028	ug/l	99
25) 2-Butanone	6.78	43	216991	96.413	ug/l	99
26) 2,2-Dichloropropane	6.78	77	121197	20.705	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	79084	20.892	ug/l	96
28) Bromochloromethane	7.15	49	58734	19.133	ug/l	98
29) Tetrahydrofuran	7.16	42	148784	96.793	ug/l	99
30) Chloroform	7.33	83	136385	20.447	ug/l	94
31) Cyclohexane	7.61	56	127618	20.293	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	124366	20.963	ug/l	99
36) 1,1-Dichloropropene	7.75	75	104978	21.087	ug/l	99
37) Ethyl Acetate	6.88	43	96394	19.729	ug/l	98
38) Carbon Tetrachloride	7.73	117	105123	20.686	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Sep 17 04:05:11 2020
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 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	112432	20.809	ug/l	97
40) Benzene	8.00	78	298252	20.988	ug/l	98
41) Methacrylonitrile	7.16	41	142646	64.913	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	119084	20.837	ug/l	100
43) Isopropyl Acetate	8.13	43	170132	19.474	ug/l #	90
44) Trichloroethene	8.80	130	72209	20.950	ug/l	95
45) 1,2-Dichloropropane	9.08	63	82257	21.253	ug/l	99
46) Dibromomethane	9.17	93	52935	20.809	ug/l	98
47) Bromodichloromethane	9.37	83	111552	21.108	ug/l	99
48) Methyl methacrylate	9.17	41	85849	20.001	ug/l	97
49) 1,4-Dioxane	9.17	88	22845	370.878	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	493997	101.001	ug/l	100
52) Toluene	10.12	92	182517	21.362	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	122682	20.794	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	130238	20.928	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	71204	20.981	ug/l	98
56) Ethyl methacrylate	10.40	69	108568	20.492	ug/l	99
57) 1,3-Dichloropropane	10.68	76	127288	20.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	260832	93.850	ug/l	99
59) 2-Hexanone	10.72	43	356380	100.576	ug/l	100
60) Dibromochloromethane	10.87	129	76874	20.050	ug/l	97
61) 1,2-Dibromoethane	10.98	107	73384	20.813	ug/l	100
64) Tetrachloroethene	10.60	164	62159	21.640	ug/l	98
65) Chlorobenzene	11.41	112	187284	20.915	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	72499	22.087	ug/l	98
67) Ethyl Benzene	11.48	91	358954	21.286	ug/l	100
68) m/p-Xylenes	11.59	106	258686	42.547	ug/l	100
69) o-Xylene	11.92	106	126028	21.759	ug/l	98
70) Styrene	11.94	104	209584	21.578	ug/l	99
71) Bromoform	12.10	173	50641	20.709	ug/l #	99
73) Isopropylbenzene	12.22	105	334083	21.022	ug/l	99
74) N-amyl acetate	12.04	43	151305	20.112	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	99804	20.282	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	137443	28.000	ug/l #	100
77) Bromobenzene	12.50	156	77290	21.620	ug/l	98
78) n-propylbenzene	12.57	91	391481	21.150	ug/l	100
79) 2-Chlorotoluene	12.65	91	232054	20.914	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	285904	21.574	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	34792	19.432	ug/l	99
82) 4-Chlorotoluene	12.75	91	240050	20.476	ug/l	100
83) tert-Butylbenzene	12.97	119	232422	21.250	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	281584	21.036	ug/l	99
85) sec-Butylbenzene	13.15	105	309607	21.147	ug/l	99
86) p-Isopropyltoluene	13.26	119	273416	21.173	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	140847	21.257	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	139933	20.772	ug/l	97
89) n-Butylbenzene	13.59	91	251295	21.112	ug/l	98
90) Hexachloroethane	13.85	117	50095	20.373	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	138096	21.229	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22429	19.141	ug/l	98

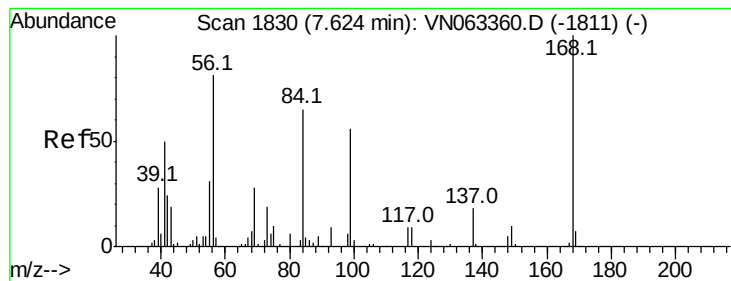
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	77690	20.258	ug/l	98
94) Hexachlorobutadiene	14.98	225	32545	20.499	ug/l	97
95) Naphthalene	15.10	128	260211	20.537	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	74007	19.972	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

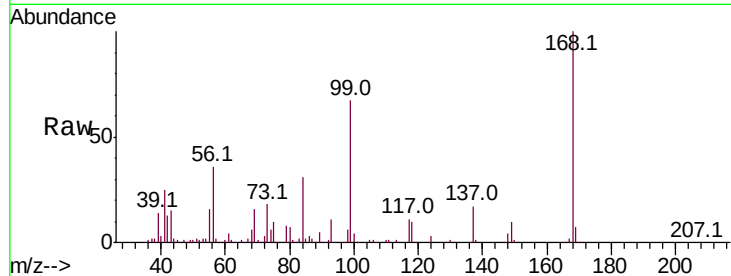
VN0916WBS01

Tot Ion:168 Resp: 267489

Ion Ratio Lower Upper

168 100

99 66.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

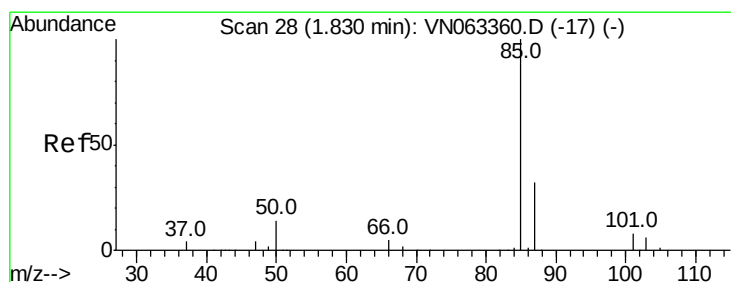
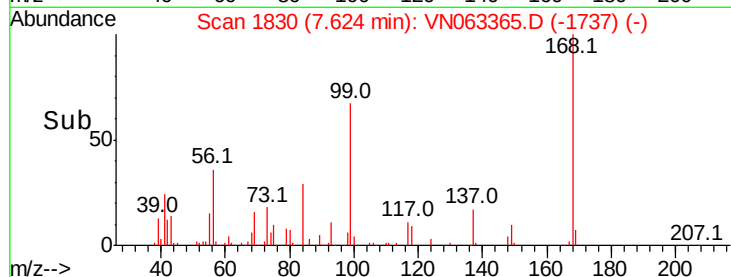
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.891 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063365.D

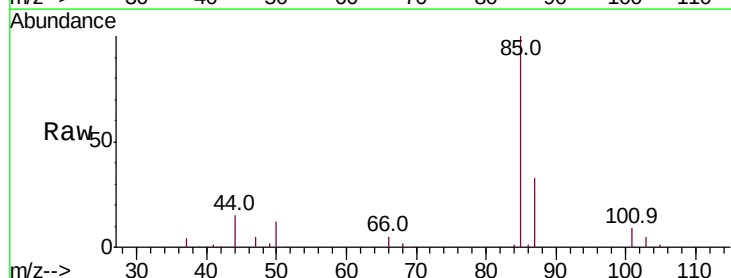
Acq: 16 Sep 2020 15:26

Tgt Ion: 85 Resp: 63308

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

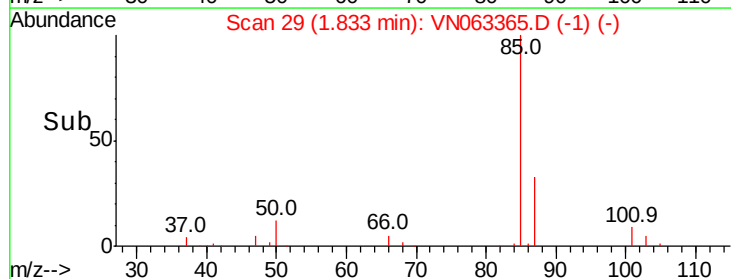
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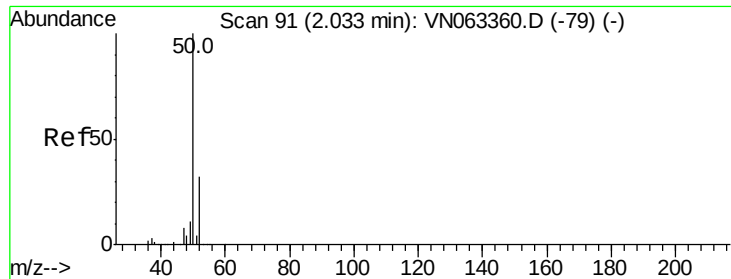
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.235 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

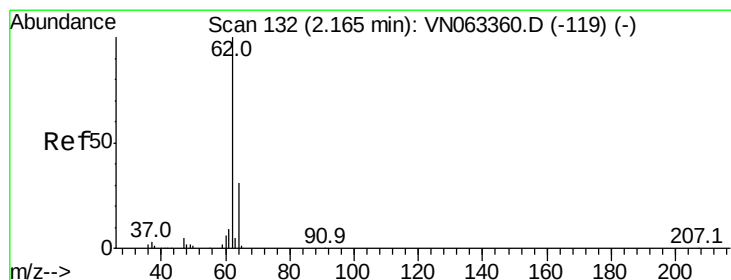
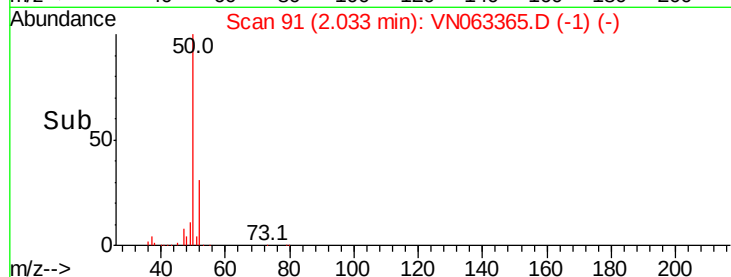
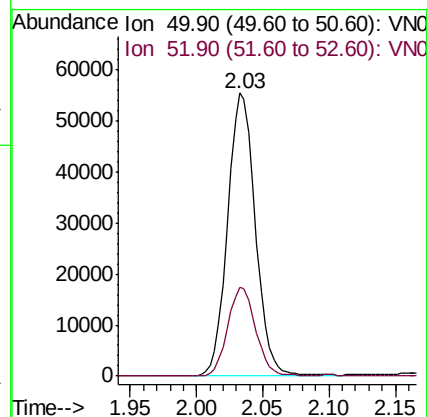
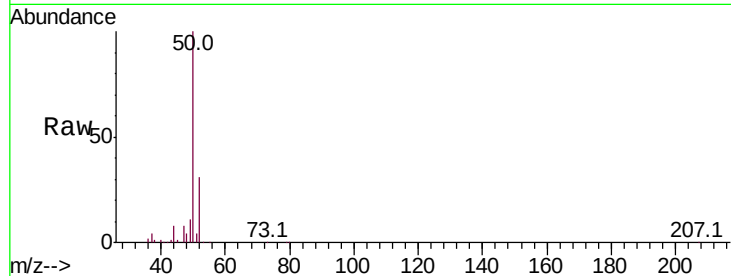
VN0916WBS01

Tot Ion: 50 Resp: 81122

Ion Ratio Lower Upper

50 100

52 31.4 25.9 38.9



#4

Vinyl Chloride

Concen: 21.503 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063365.D

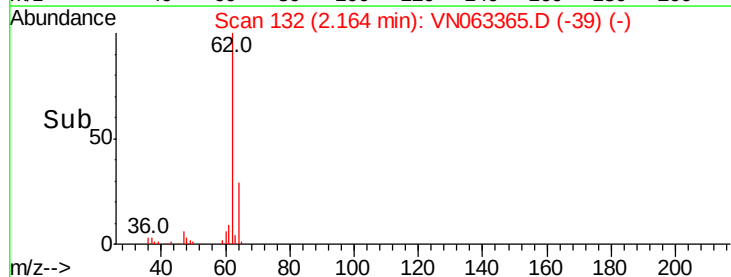
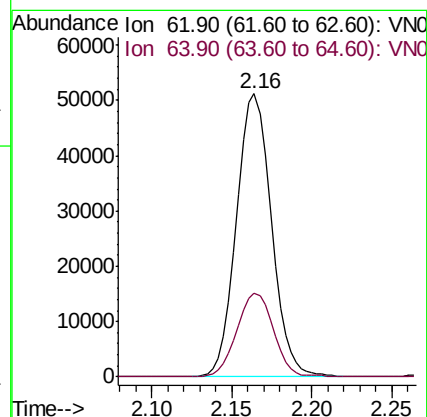
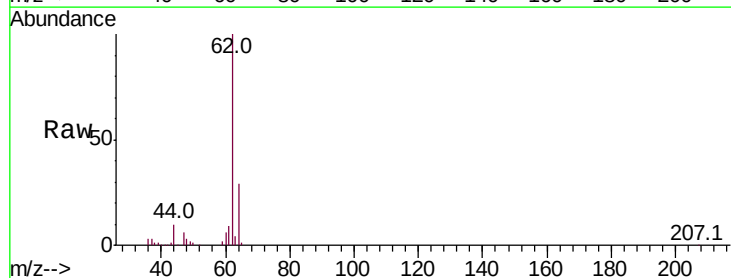
Acq: 16 Sep 2020 15:26

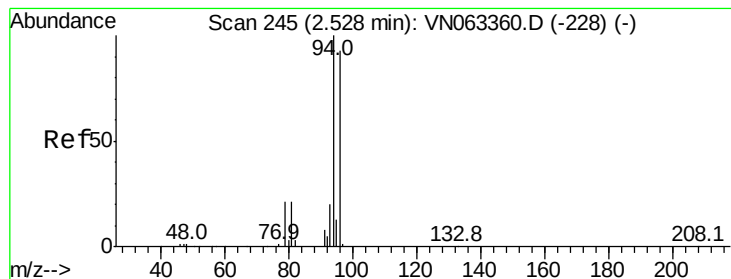
Tgt Ion: 62 Resp: 76375

Ion Ratio Lower Upper

62 100

64 29.4 25.1 37.7





#5

Bromomethane

Concen: 23.157 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

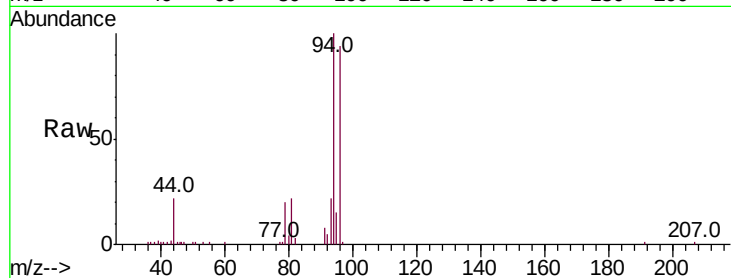
VN0916WBS01

Tot Ion: 94 Resp: 48835

Ion Ratio Lower Upper

94 100

96 93.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

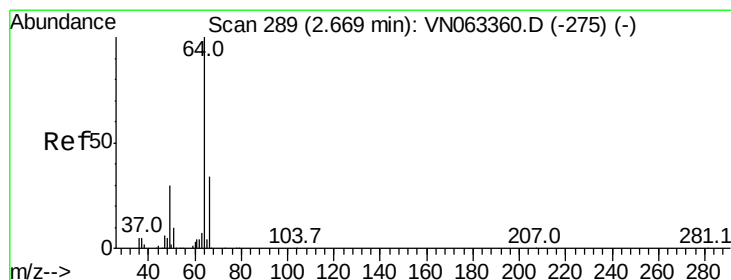
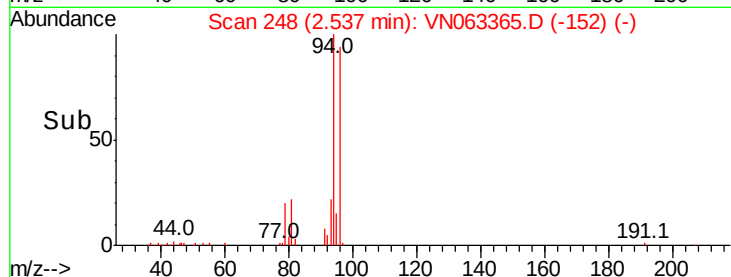
5000

0

2.54

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 20.986 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063365.D

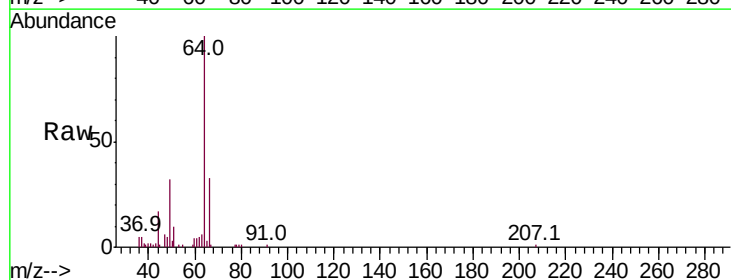
Acq: 16 Sep 2020 15:26

Tgt Ion: 64 Resp: 45756

Ion Ratio Lower Upper

64 100

66 32.6 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

15000

10000

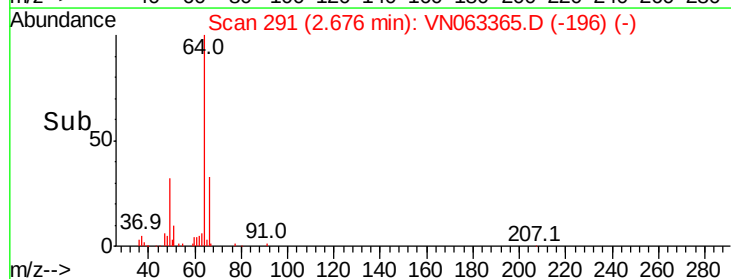
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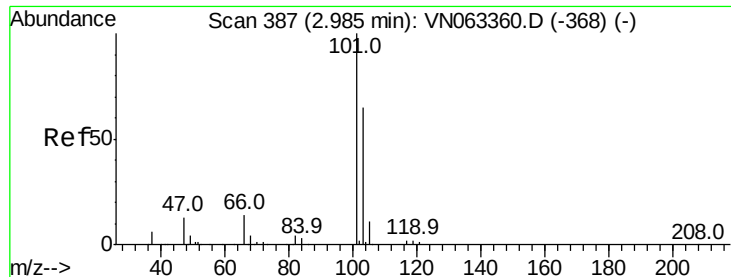
0

2.68

2.60 2.65 2.70 2.75

Time-->





#7

Trichlorofluoromethane

Concen: 21.036 ug/l

RT: 2.99 min Scan# 388

Delta R.T. 0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

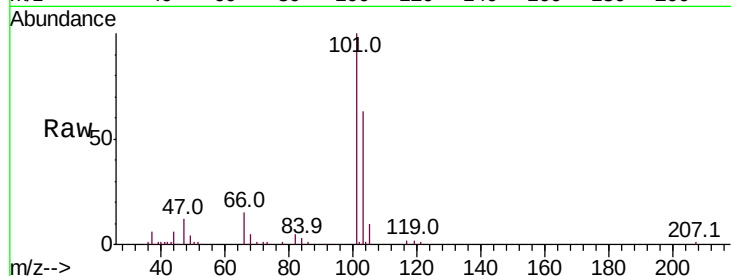
VN0916WBS01

Tot Ion:101 Resp: 111476

Ion Ratio Lower Upper

101 100

103 63.1 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

2.99

50000

40000

30000

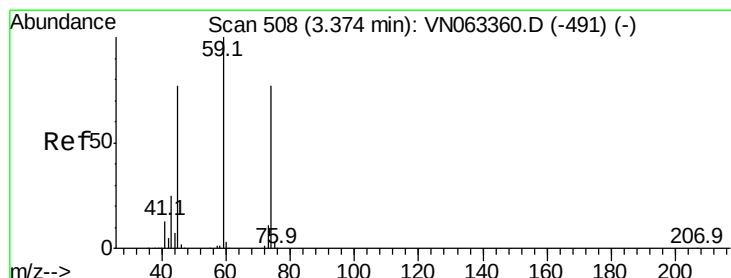
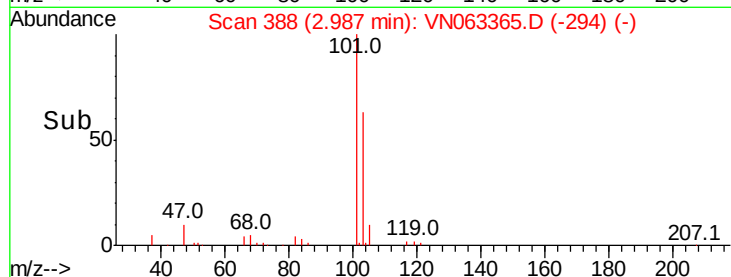
20000

10000

0

Time-->

2.90 2.95 3.00 3.05



#8

Diethyl Ether

Concen: 21.274 ug/l

RT: 3.38 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN063365.D

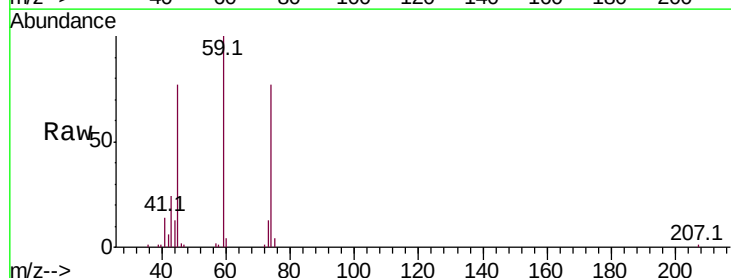
Acq: 16 Sep 2020 15:26

Tgt Ion: 74 Resp: 43947

Ion Ratio Lower Upper

74 100

45 102.0 52.1 156.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.38

20000

15000

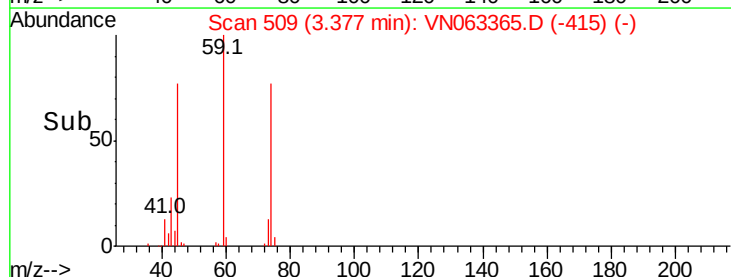
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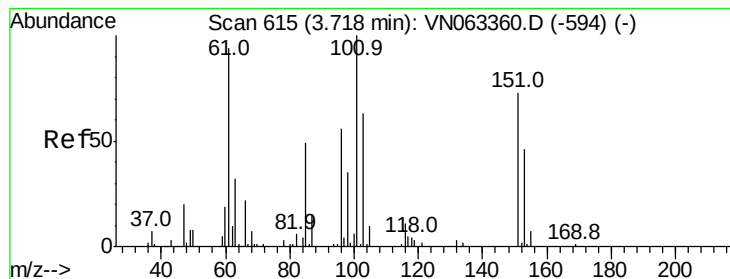
5000

0

Time-->

3.30 3.35 3.40 3.45





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.024 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

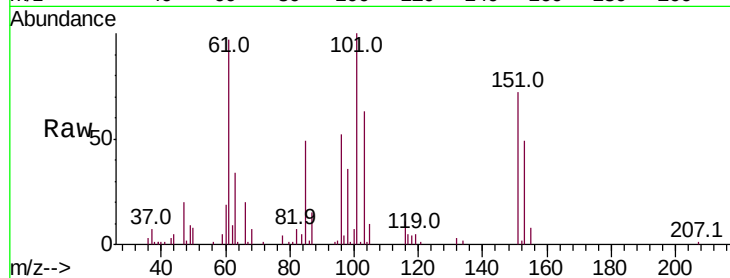
Tot Ion:101 Resp: 62655

Ion Ratio Lower Upper

101 100

85 49.5 37.7 56.5

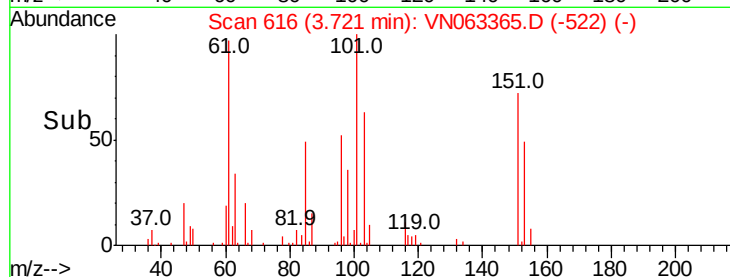
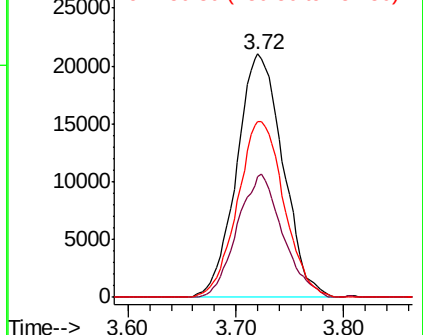
151 72.7 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.202 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

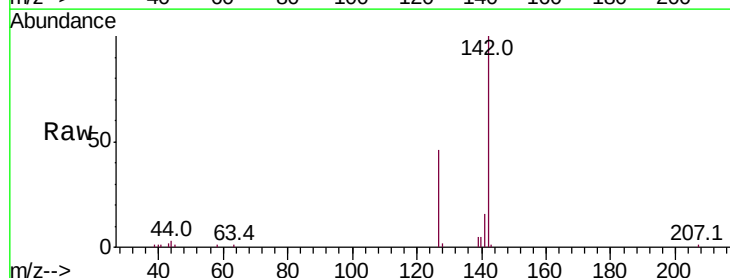
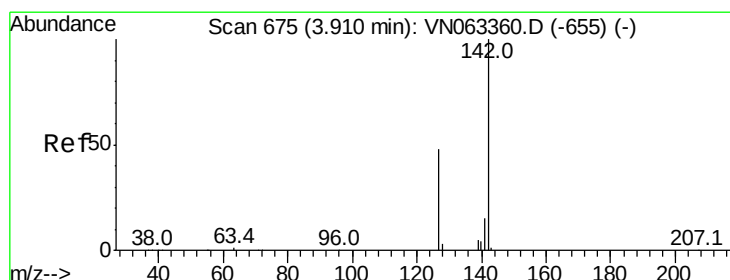
Tgt Ion:142 Resp: 74503

Ion Ratio Lower Upper

142 100

127 48.6 39.0 58.6

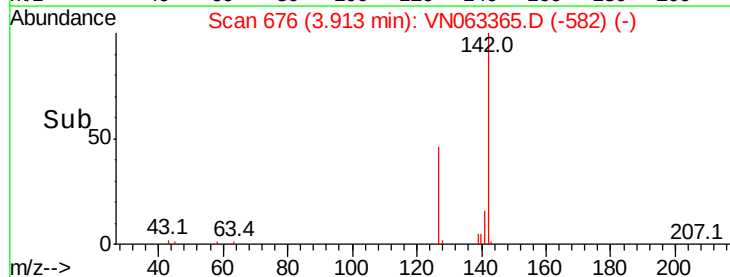
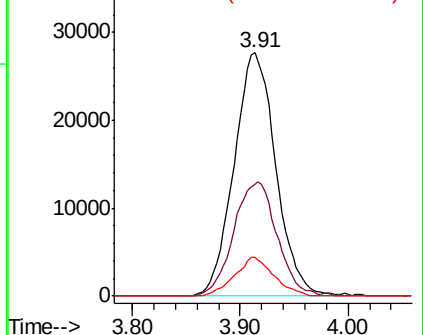
141 15.0 11.6 17.4

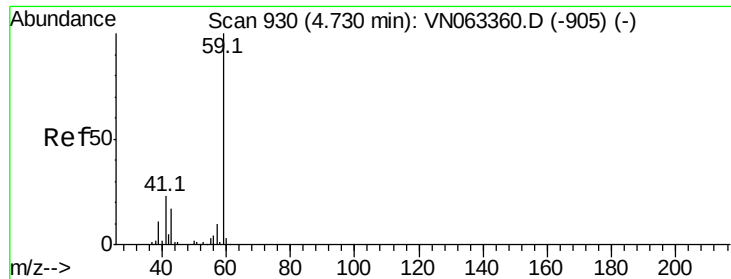


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

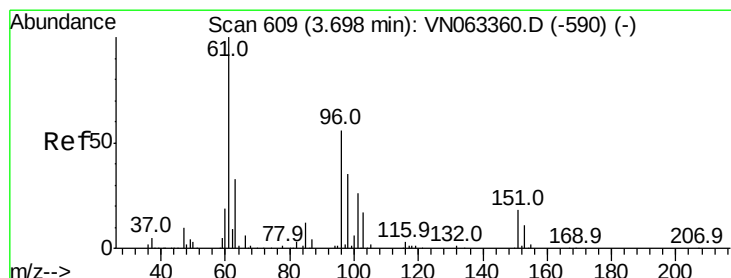
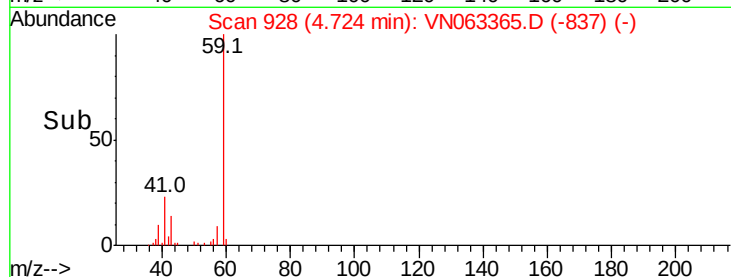
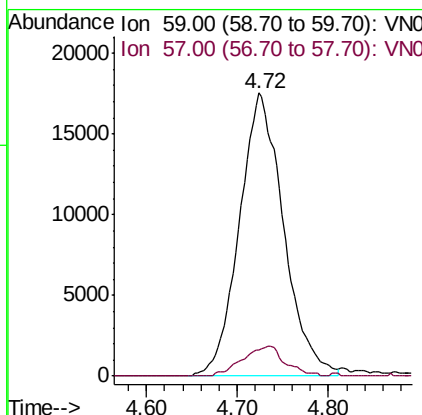
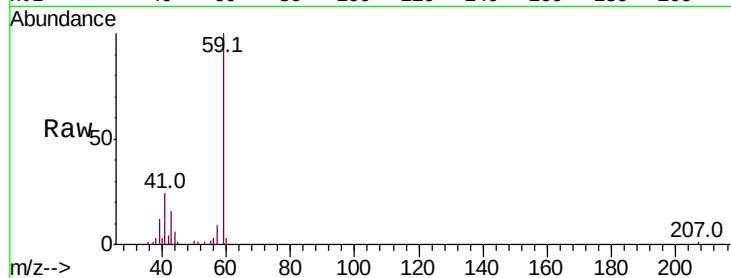




#11
Tert butyl alcohol
Concen: 93.782 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

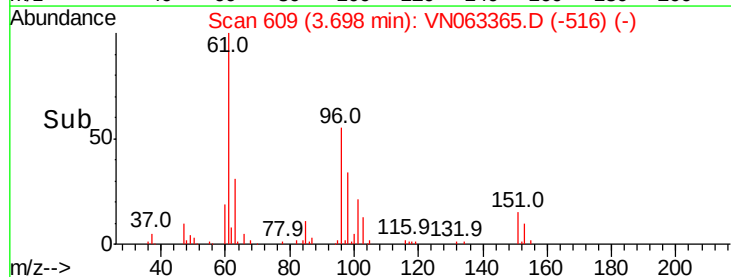
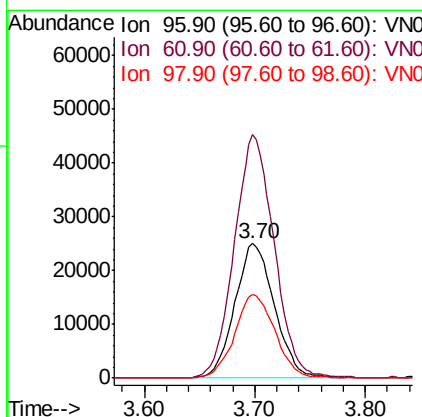
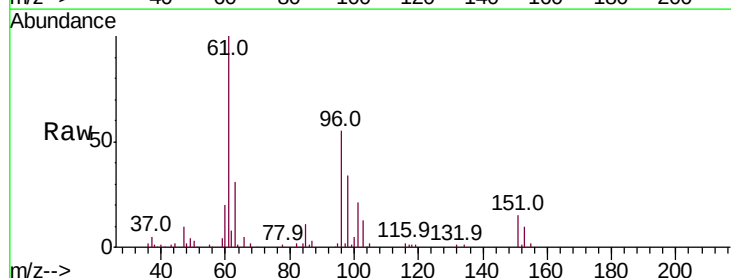
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

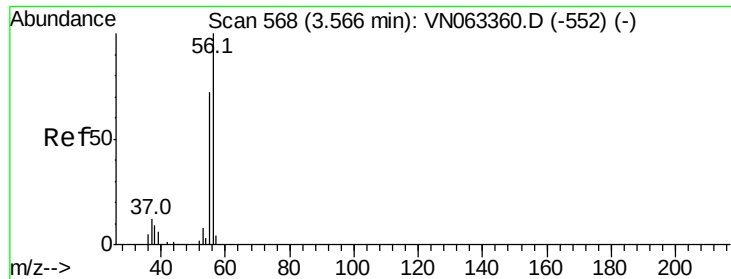
Tot Ion: 59 Resp: 59158
Ion Ratio Lower Upper
59 100
57 9.9 8.4 12.6



#12
1,1-Dichloroethene
Concen: 20.663 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion: 96 Resp: 62372
Ion Ratio Lower Upper
96 100
61 181.4 143.4 215.2
98 61.8 50.6 76.0





#13

Acrolein

Concen: 145.063 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

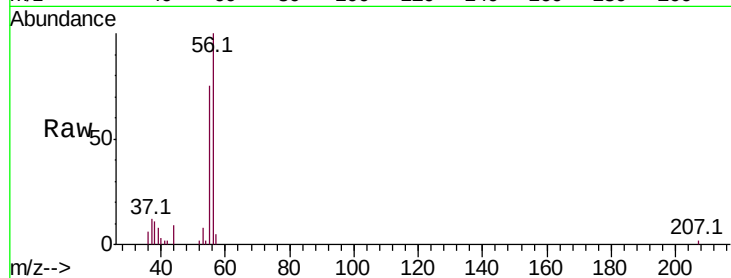
VN0916WBS01

Tot Ion: 56 Resp: 33911

Ion Ratio Lower Upper

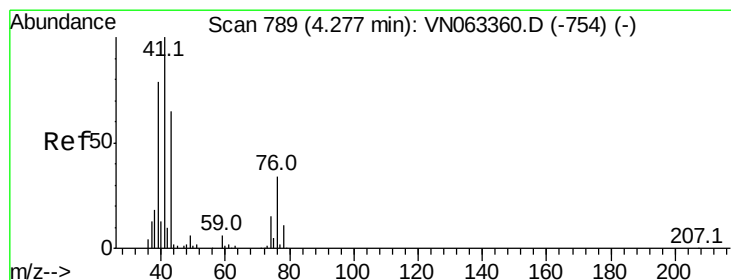
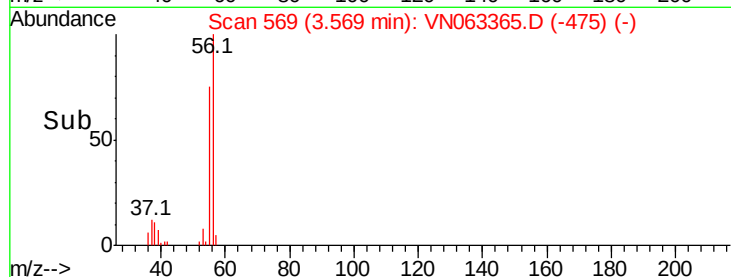
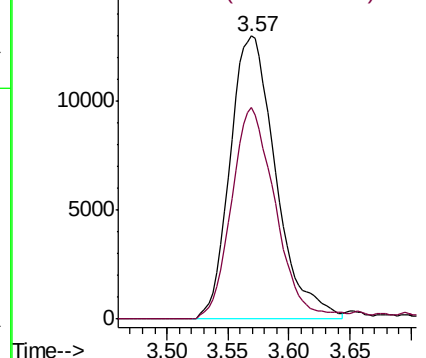
56 100

55 71.3 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.381 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

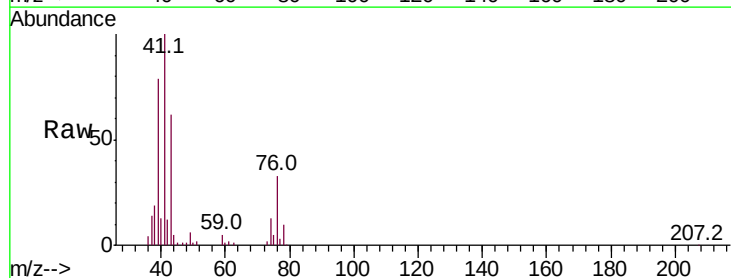
Tgt Ion: 41 Resp: 127664

Ion Ratio Lower Upper

41 100

39 74.0 59.3 88.9

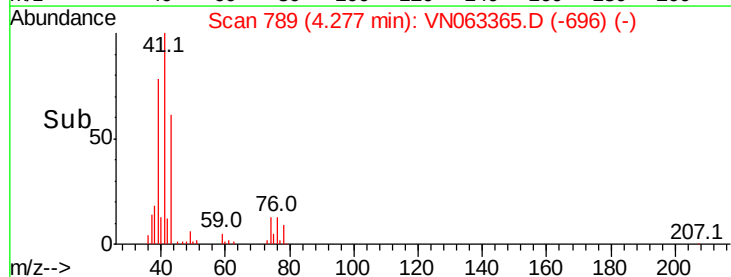
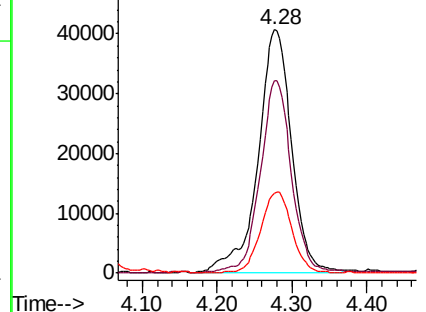
76 30.9 25.3 37.9

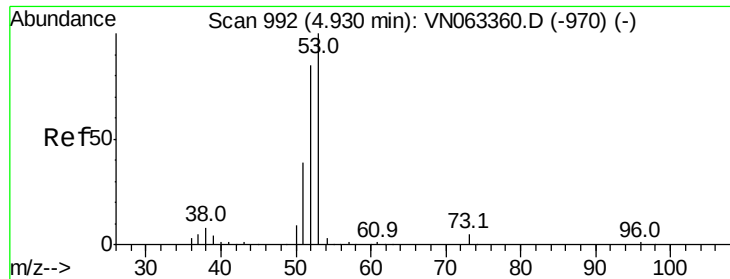


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.286 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

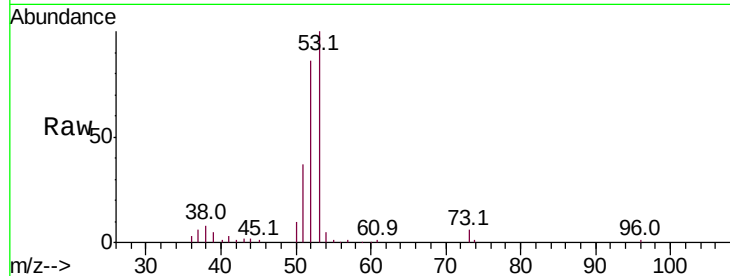
Tot Ion: 53 Resp: 157705

Ion Ratio Lower Upper

53 100

52 83.6 66.4 99.6

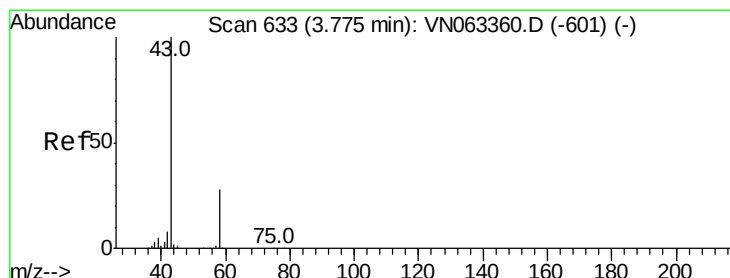
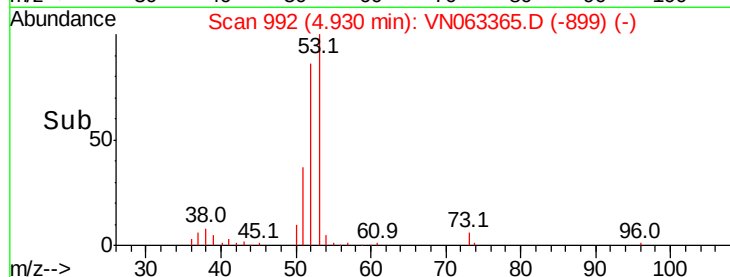
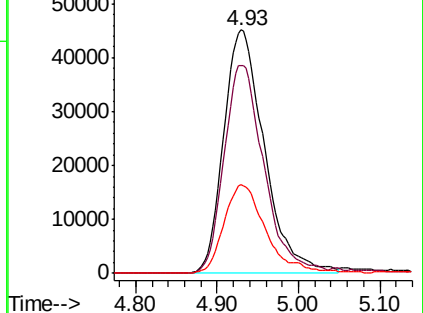
51 36.9 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 93.357 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063365.D

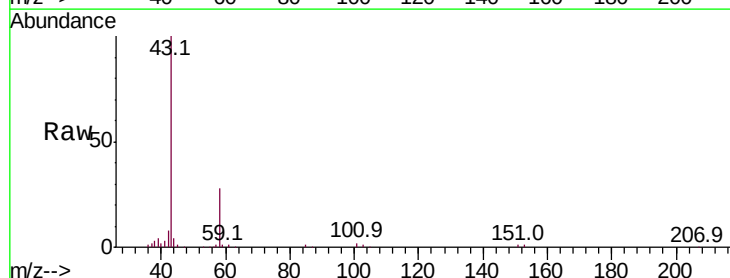
Acq: 16 Sep 2020 15:26

Tgt Ion: 43 Resp: 136616

Ion Ratio Lower Upper

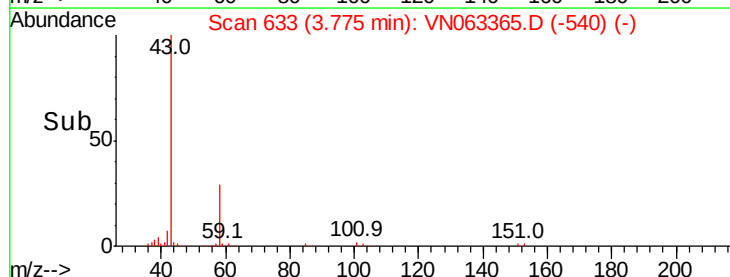
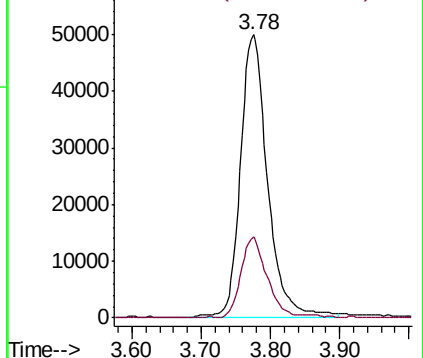
43 100

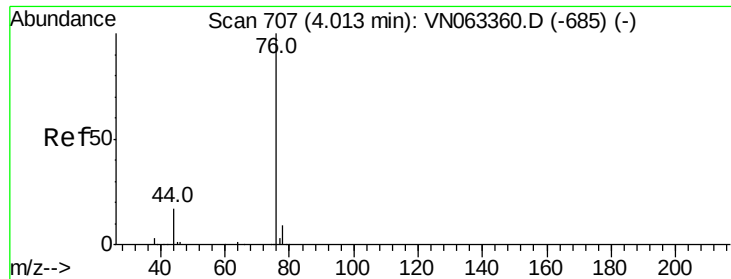
58 28.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

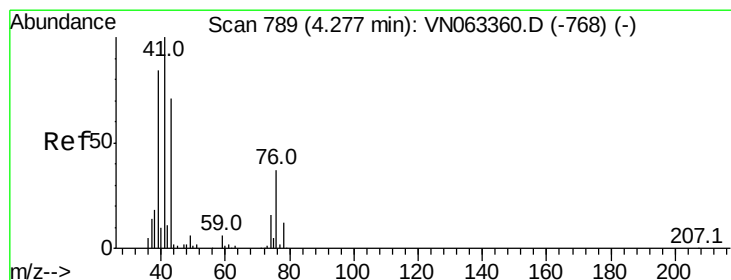
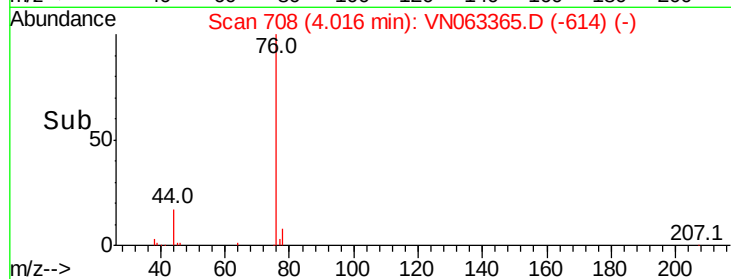
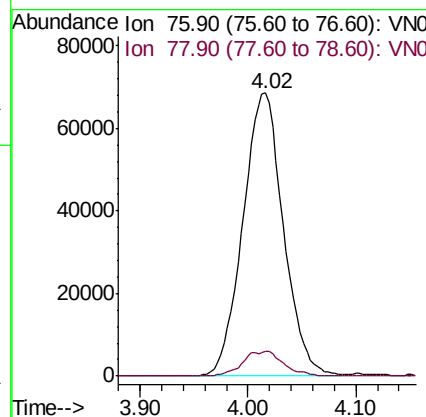
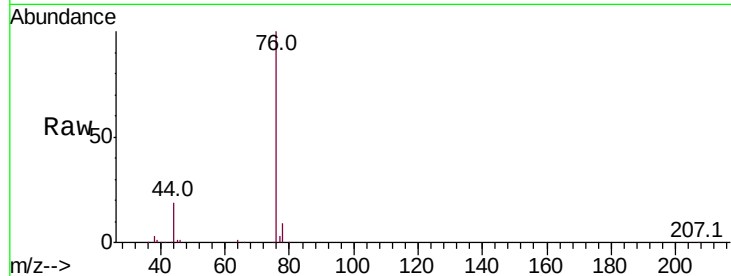




#17
Carbon Disulfide
Concen: 20.381 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

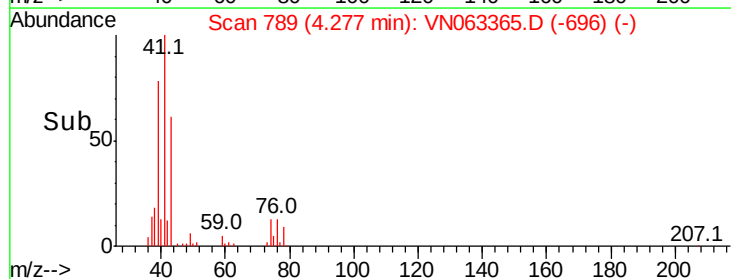
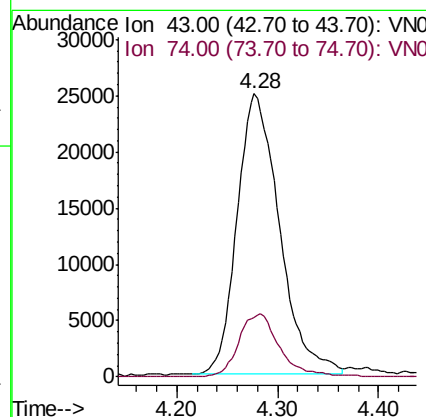
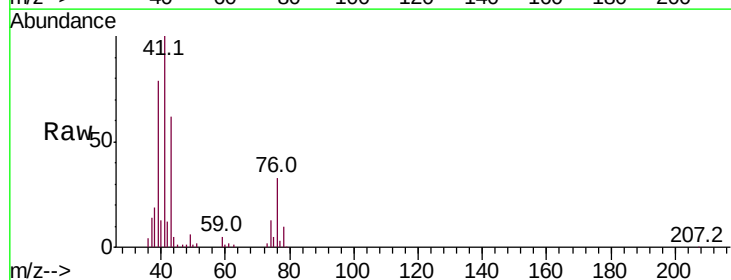
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

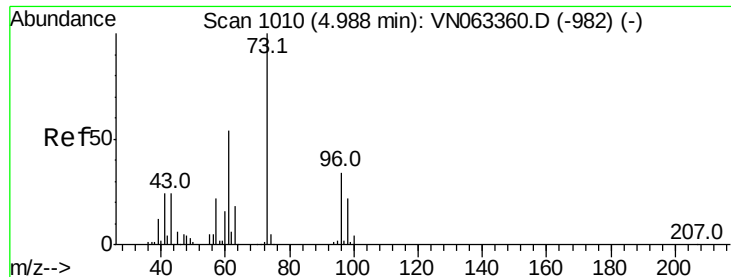
Tot Ion: 76 Resp: 178955
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 19.629 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion: 43 Resp: 72921
Ion Ratio Lower Upper
43 100
74 21.4 17.4 26.2





#19

Methvl tert-butvl Ether

Concen: 20.207 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

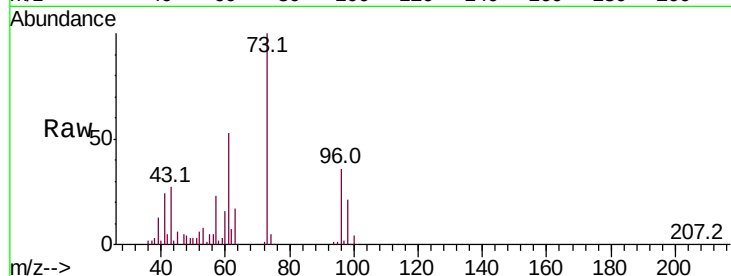
VN0916WBS01

Tot Ion: 73 Resp: 227340

Ion Ratio Lower Upper

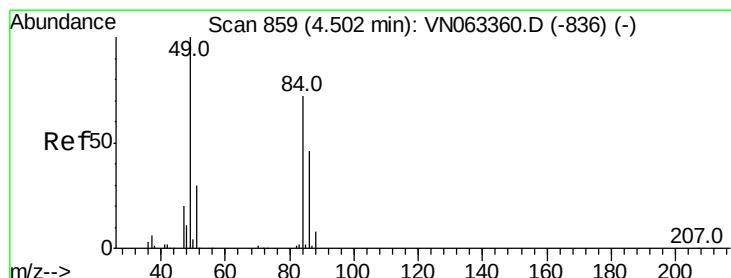
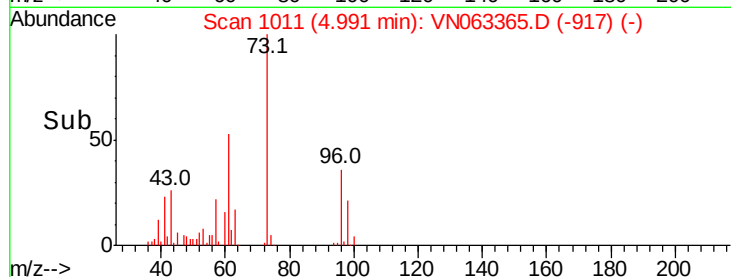
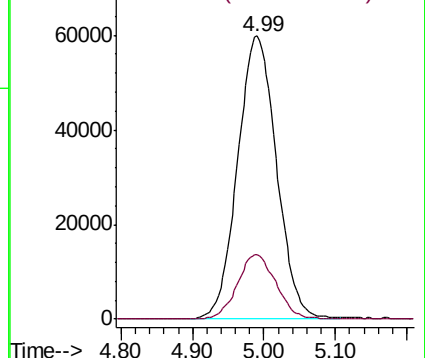
73 100

57 22.9 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 19.940 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Tgt Ion: 84 Resp: 73931

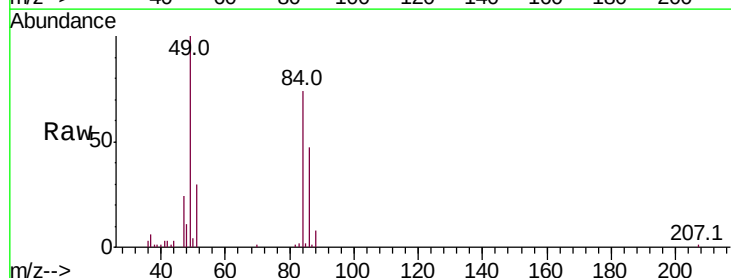
Ion Ratio Lower Upper

84 100

49 134.4 110.7 166.1

51 39.8 32.9 49.3

86 63.8 51.1 76.7

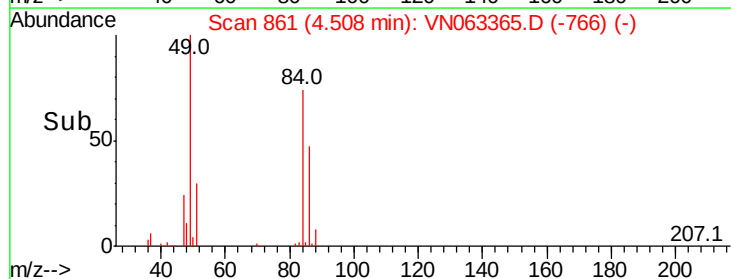
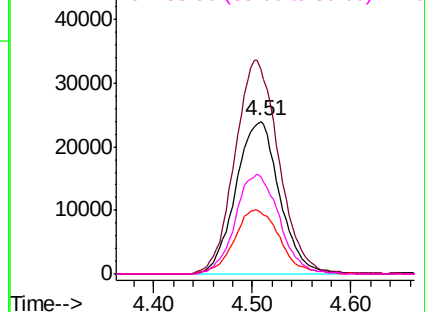


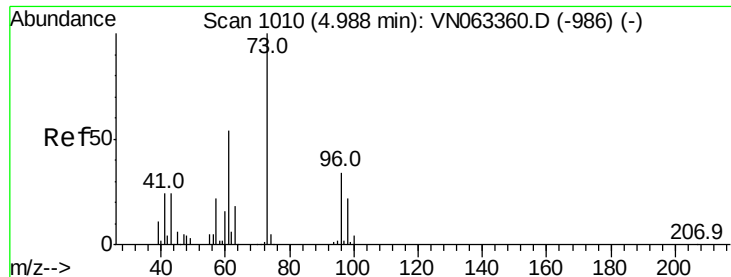
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 20.663 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

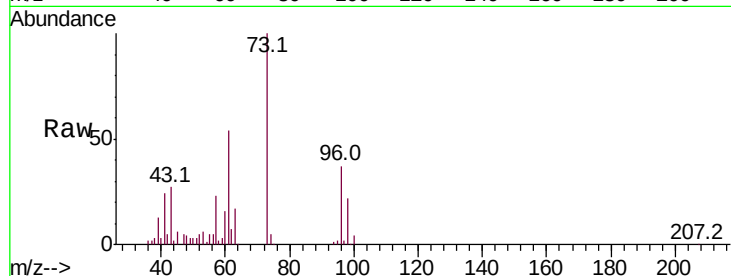
Tot Ion: 96 Resp: 69105

Ion Ratio Lower Upper

96 100

61 146.9 126.2 189.4

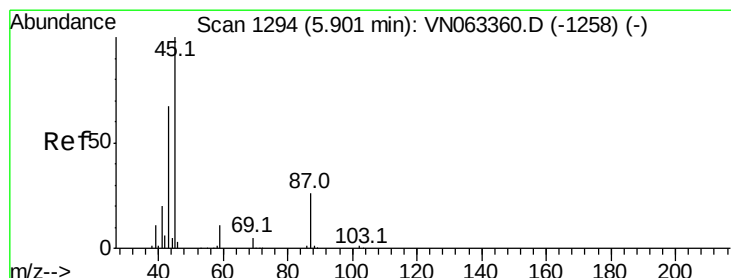
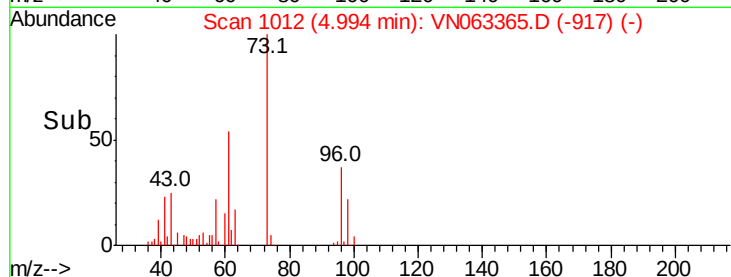
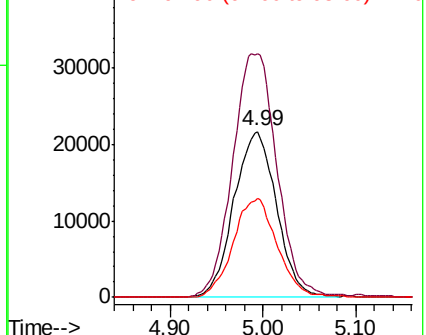
98 59.9 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.731 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Tgt Ion: 45 Resp: 252452

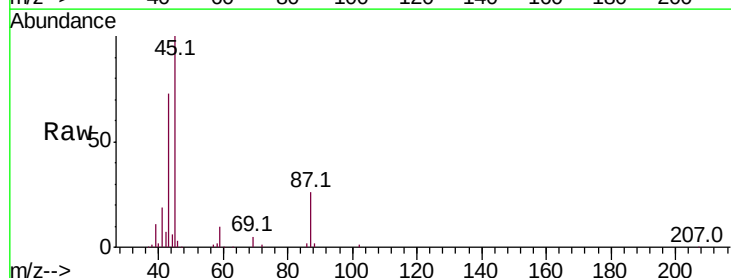
Ion Ratio Lower Upper

45 100

43 70.2 53.5 80.3

87 26.2 21.2 31.8

59 10.2 8.8 13.2

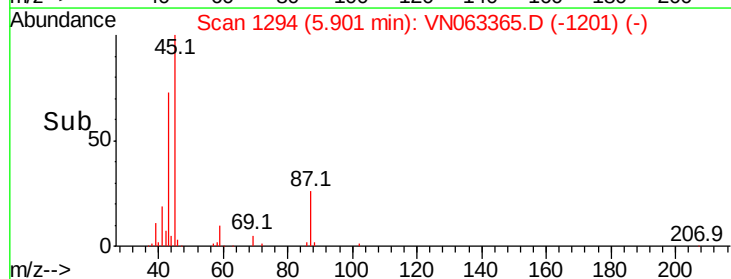
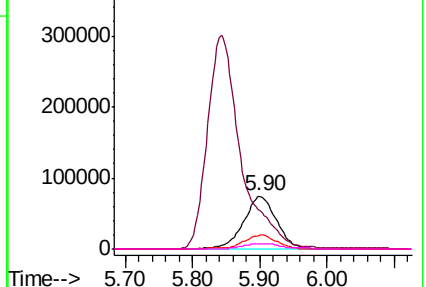


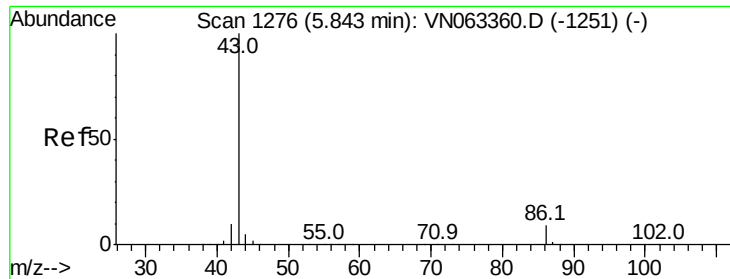
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 104.544 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

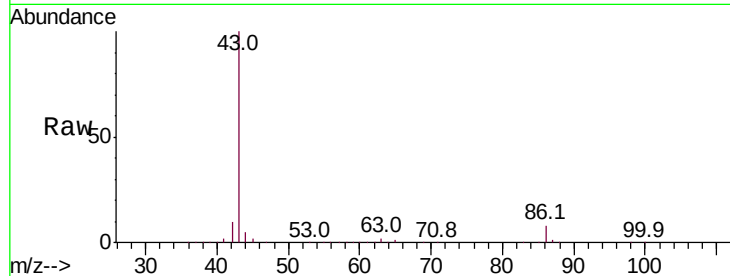
VN0916WBS01

Tot Ion: 43 Resp: 1045533

Ion Ratio Lower Upper

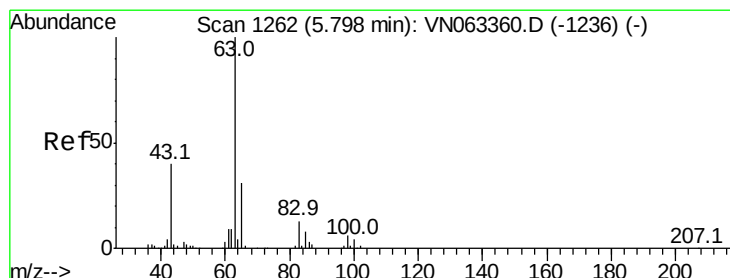
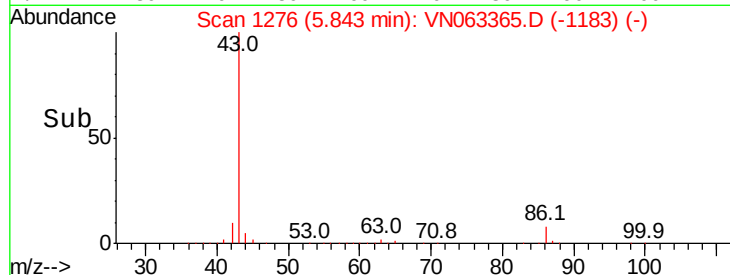
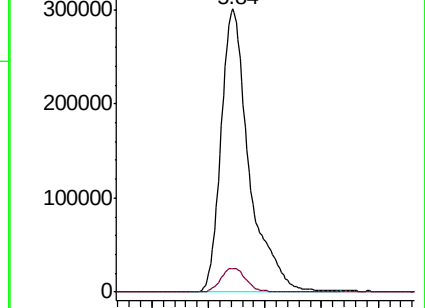
43 100

86 8.3 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.028 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

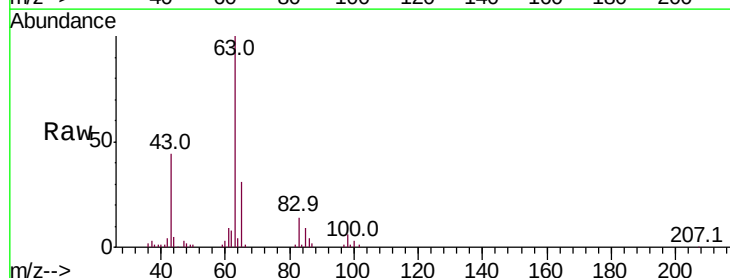
Tgt Ion: 63 Resp: 139799

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

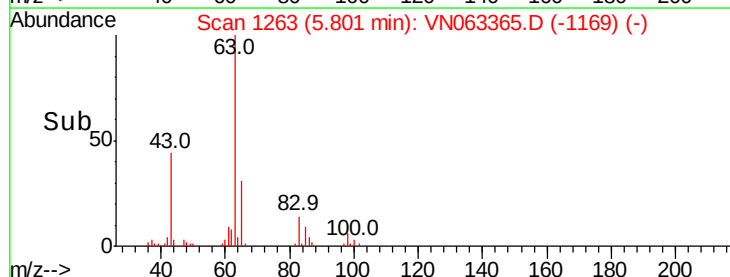
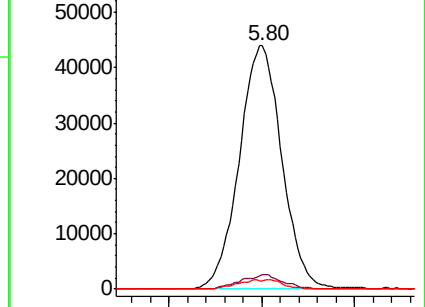
100 3.5 2.1 6.3

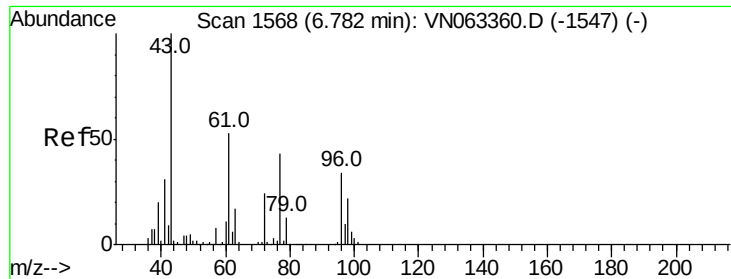


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

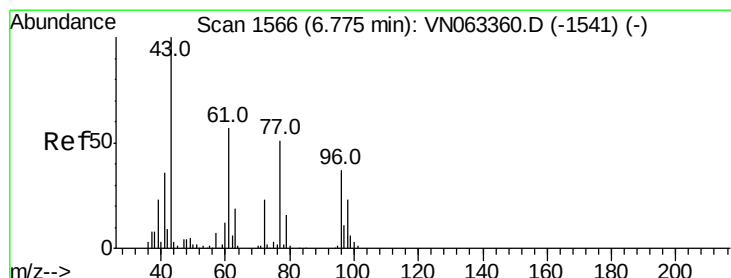
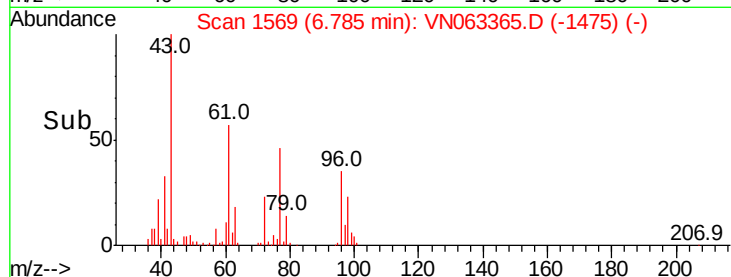
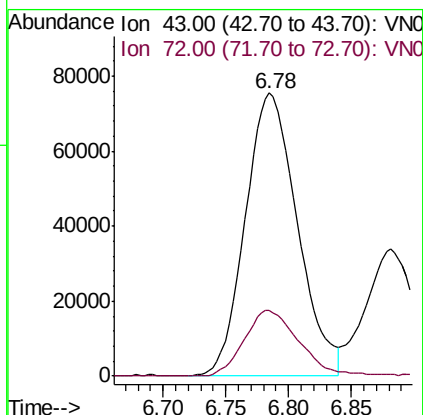
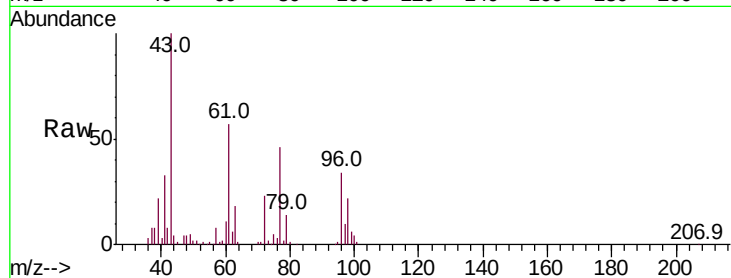




#25
2-Butanone
Concen: 96.413 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

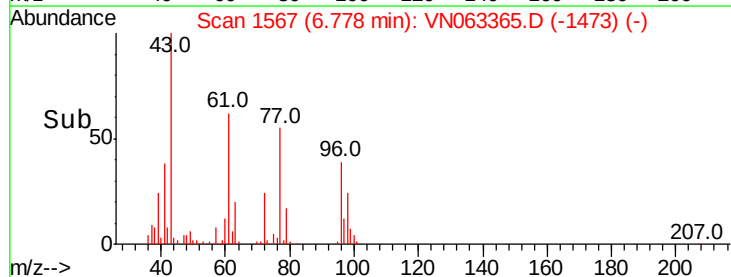
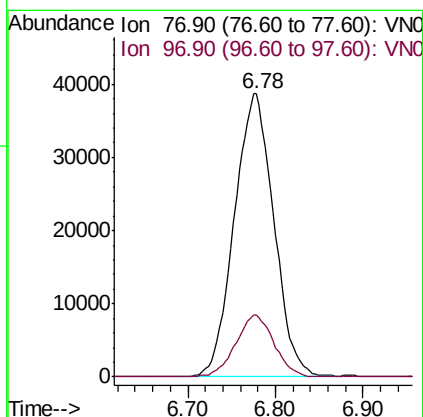
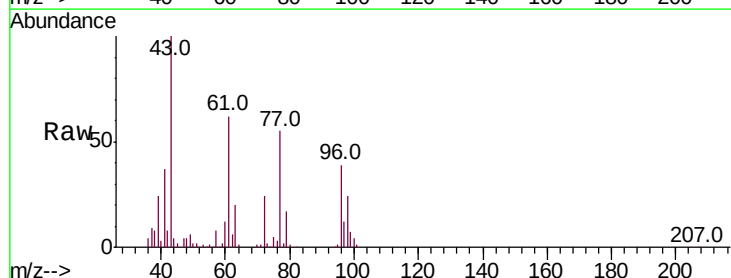
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

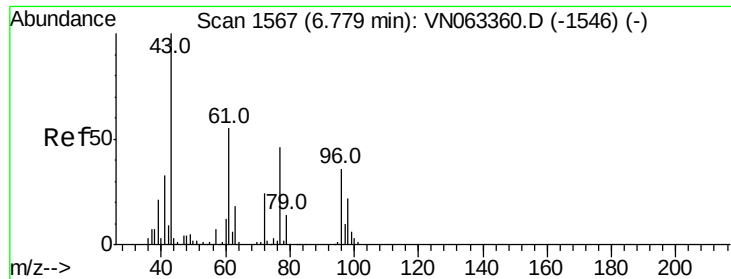
Tot Ion: 43 Resp: 216991
Ion Ratio Lower Upper
43 100
72 23.4 19.2 28.8



#26
2,2-Dichloropropane
Concen: 20.705 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion: 77 Resp: 121197
Ion Ratio Lower Upper
77 100
97 21.2 10.5 31.6

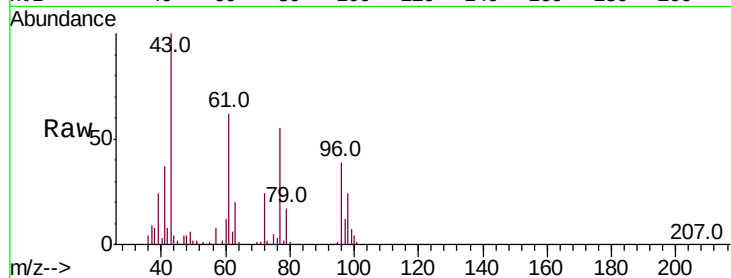




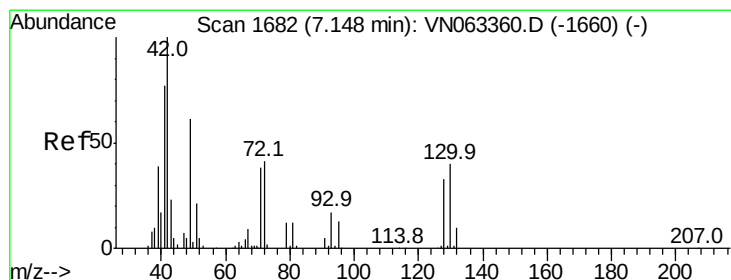
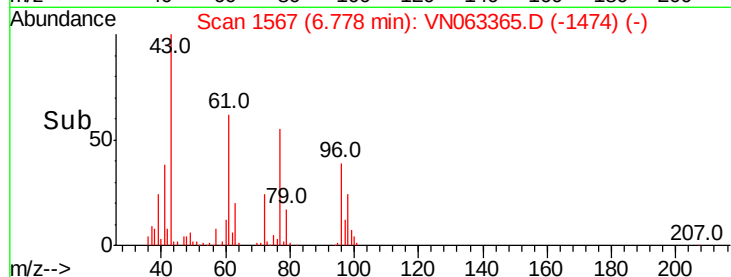
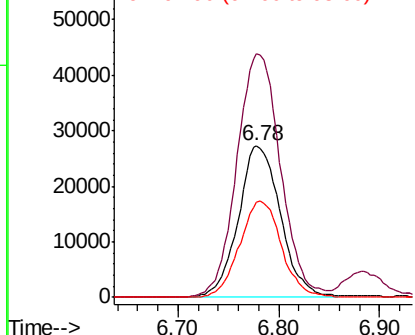
#27
 cis-1,2-Dichloroethene
 Concen: 20.892 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

Tot Ion: 96 Resp: 79084
 Ion Ratio Lower Upper
 96 100
 61 166.6 0.0 319.6
 98 63.1 0.0 127.8

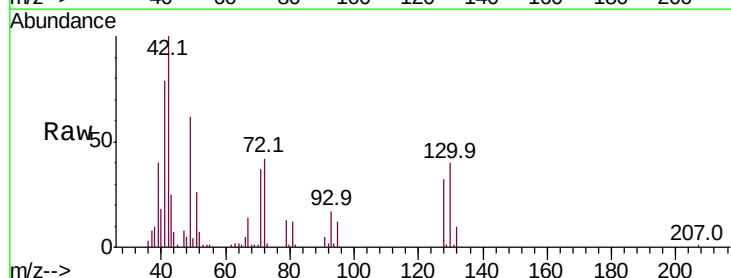


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

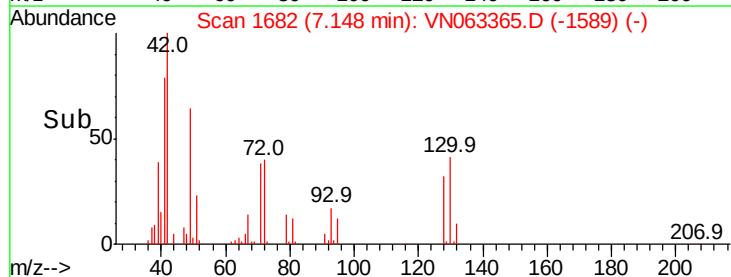
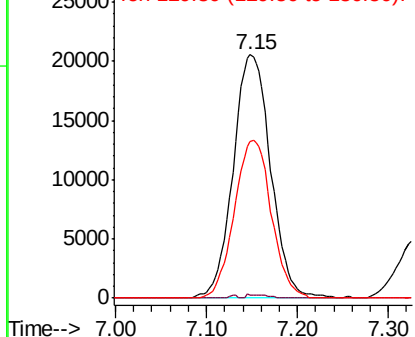


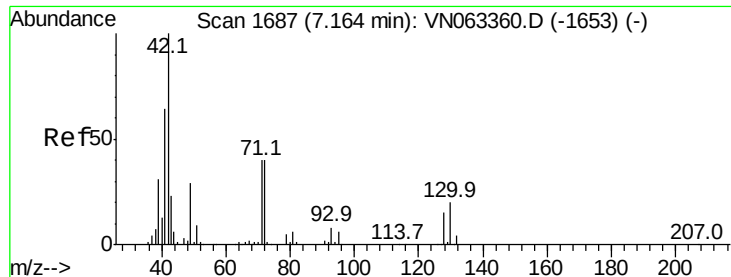
#28
 Bromochloromethane
 Concen: 19.133 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

Tgt Ion: 49 Resp: 58734
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 3.8
 130 64.0 52.2 78.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

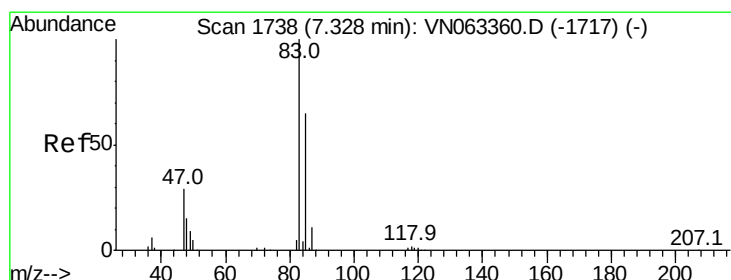
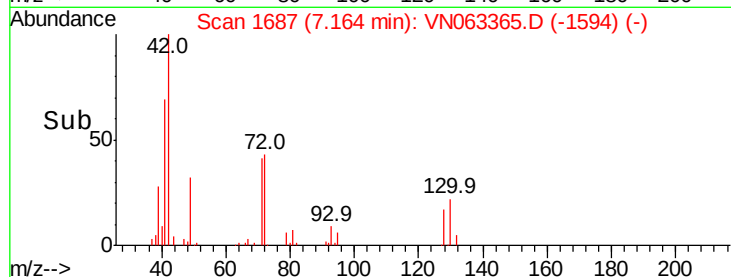
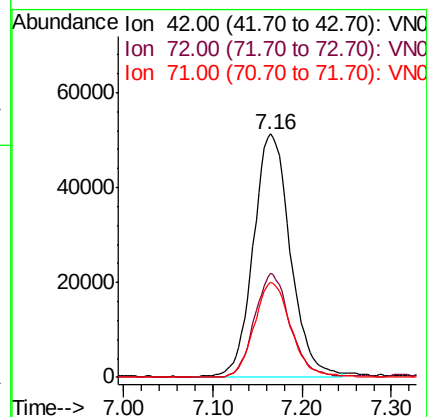
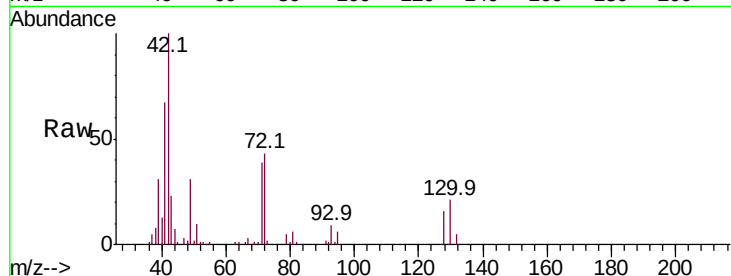




#29
Tetrahydrofuran
Concen: 96.793 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

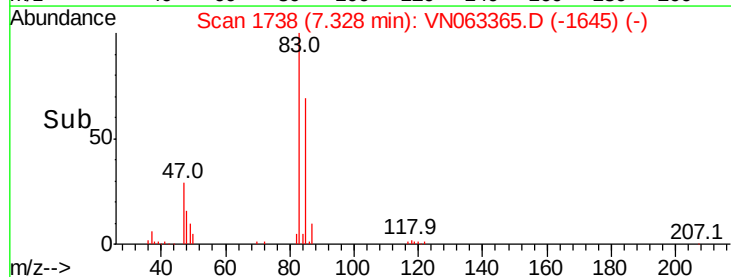
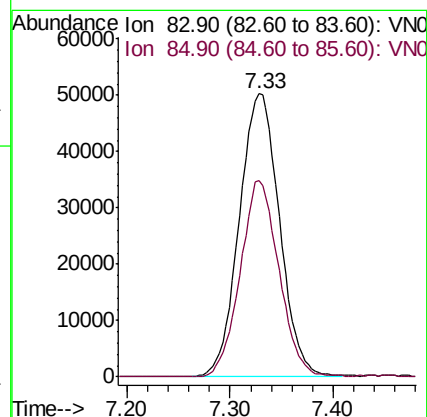
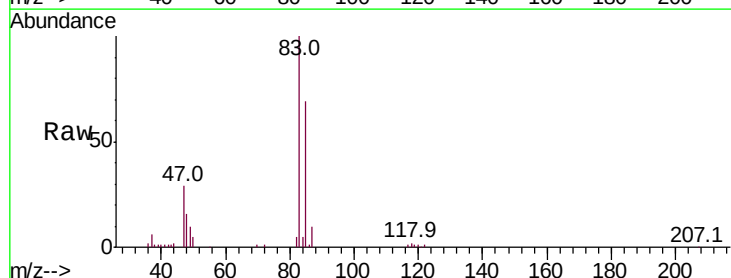
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

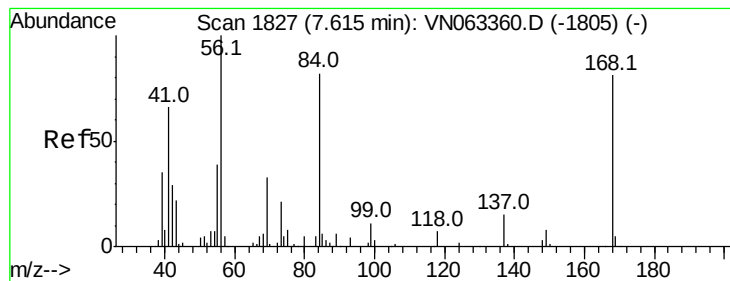
Tot Ion: 42 Resp: 148784
Ion Ratio Lower Upper
42 100
72 40.8 32.1 48.1
71 38.5 31.2 46.8



#30
Chloroform
Concen: 20.447 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion: 83 Resp: 136385
Ion Ratio Lower Upper
83 100
85 69.5 52.1 78.1





#31

Cyclohexane

Concen: 20.293 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

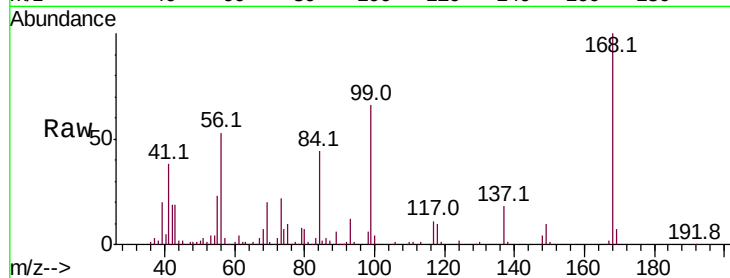
Tot Ion: 56 Resp: 127618

Ion Ratio Lower Upper

56 100

69 37.1 26.1 39.1

84 82.0 65.4 98.2

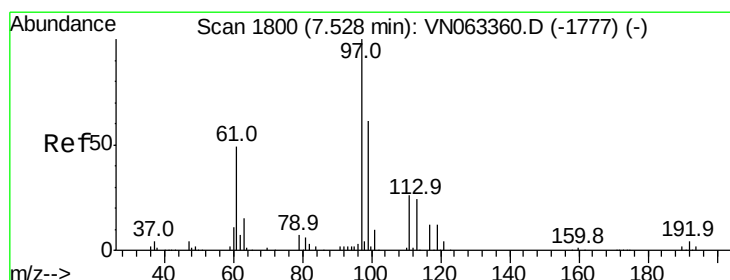
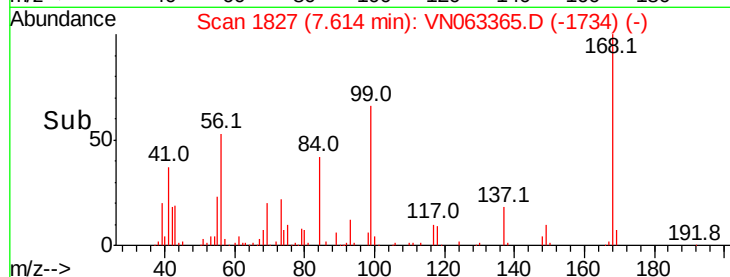
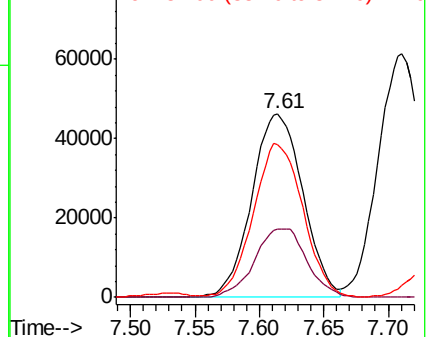


Abundance

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: 20.963 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

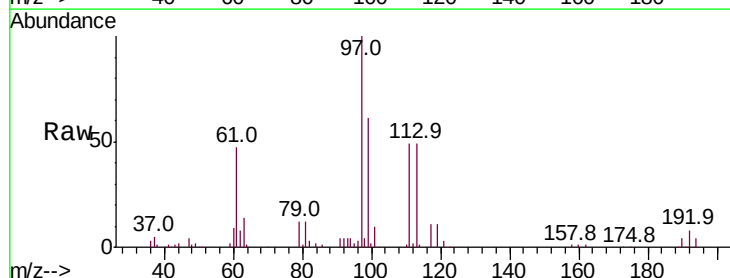
Tgt Ion: 97 Resp: 124366

Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

61 48.0 39.2 58.8

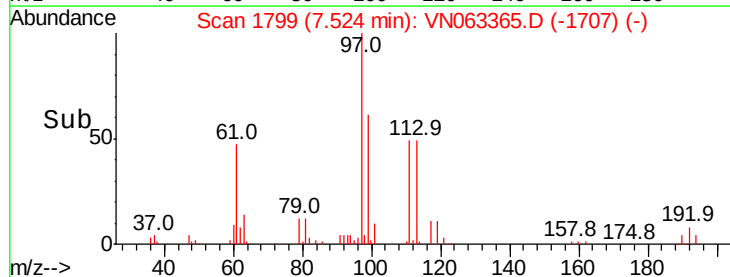
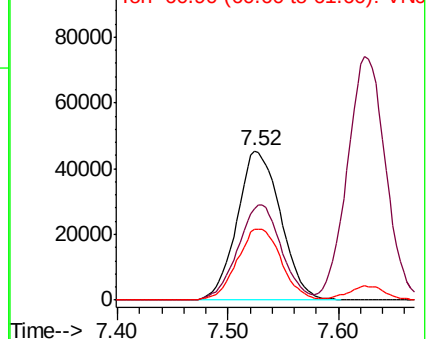


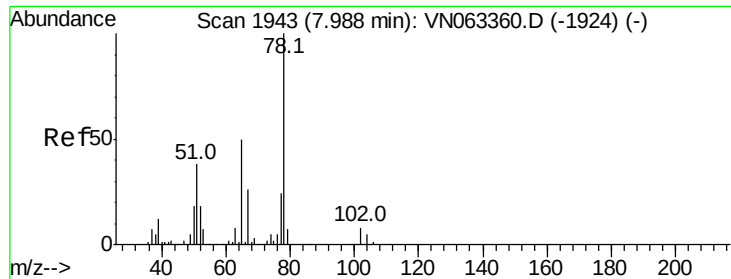
Abundance

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: 51.485 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

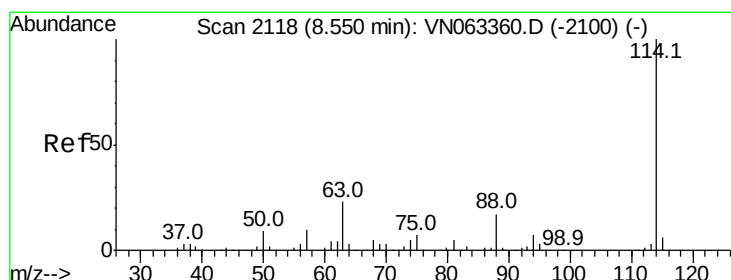
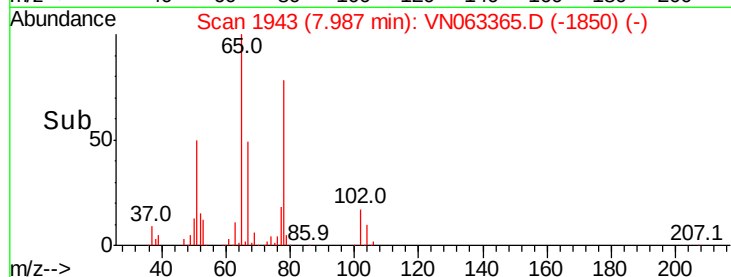
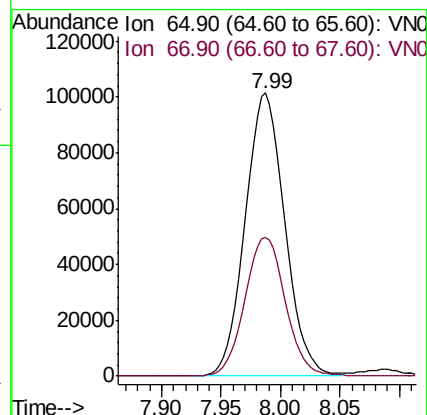
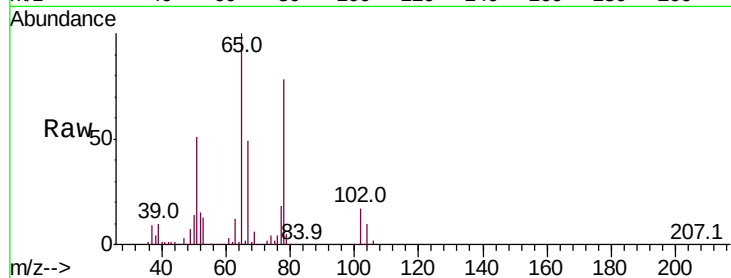
Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

Tot Ion: 65 Resp: 234431

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

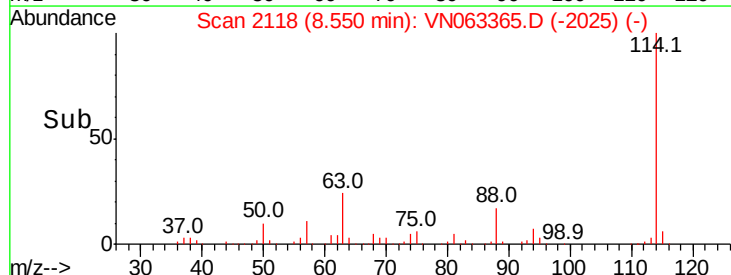
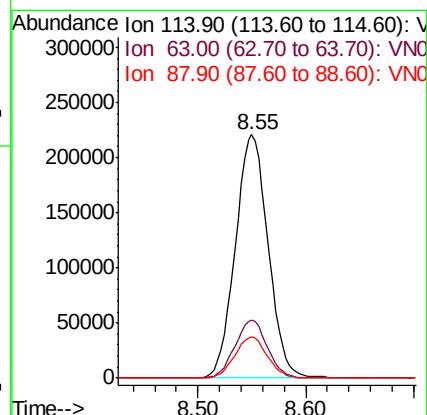
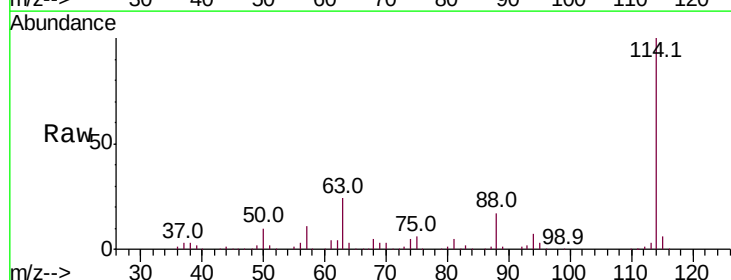
Delta R.T. -0.00 min

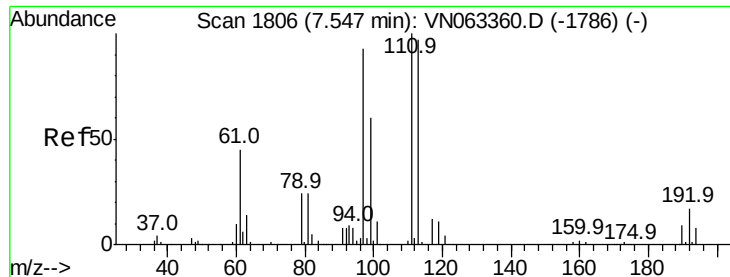
Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Tgt Ion: 114 Resp: 467280

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	46.4
88	17.2	0.0	33.2

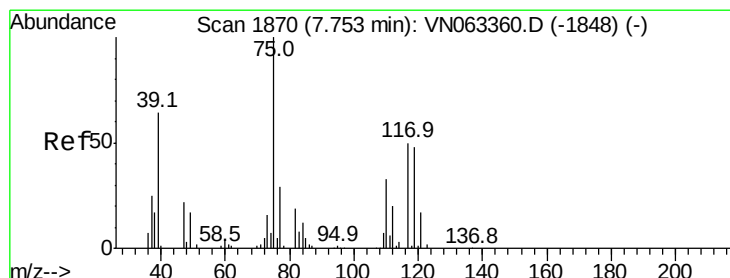
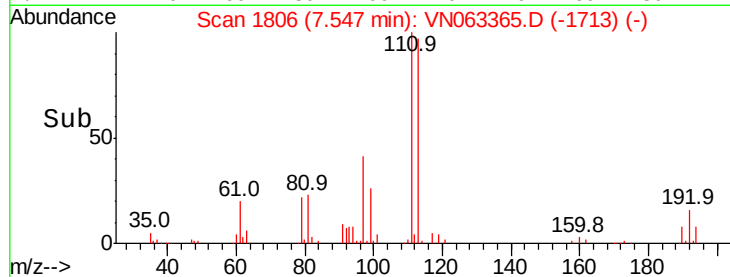
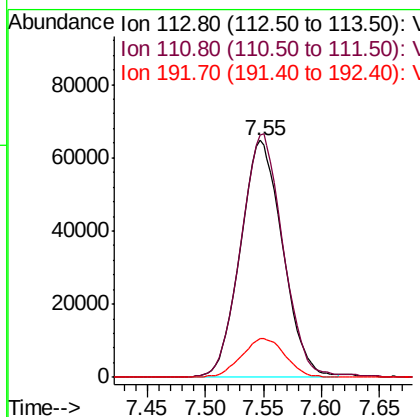
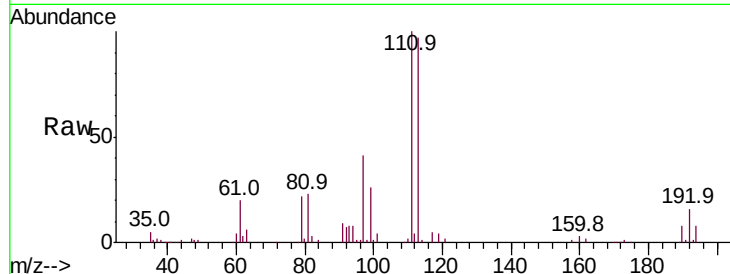




#35
 Dibromofluoromethane
 Concen: 50.749 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

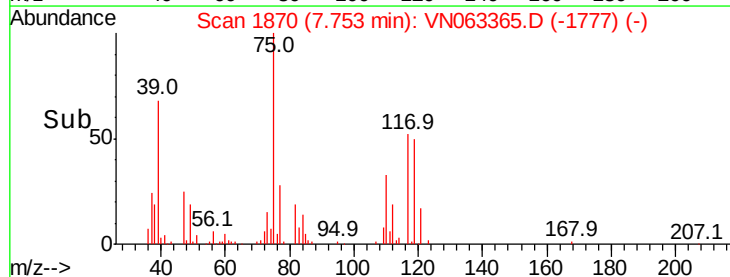
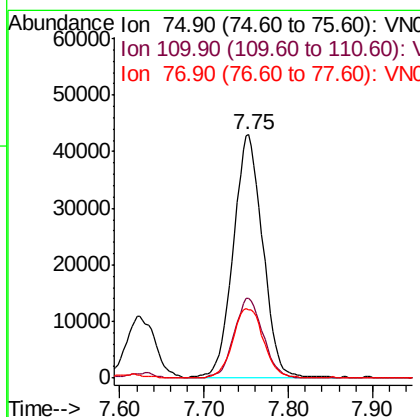
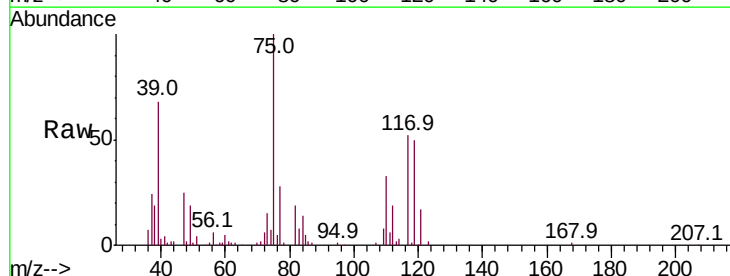
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

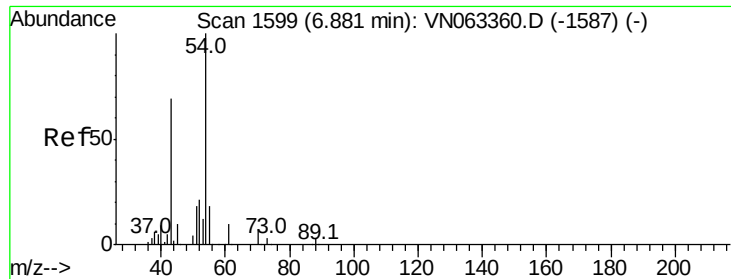
Tot Ion:113 Resp: 164168
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.9 124.3
 192 17.0 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 21.087 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

Tgt Ion: 75 Resp: 104978
 Ion Ratio Lower Upper
 75 100
 110 32.0 16.5 49.5
 77 30.0 24.6 36.8

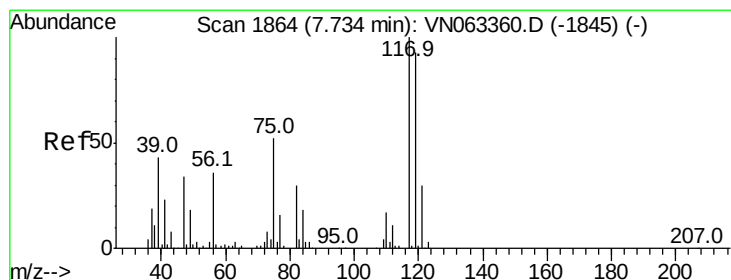
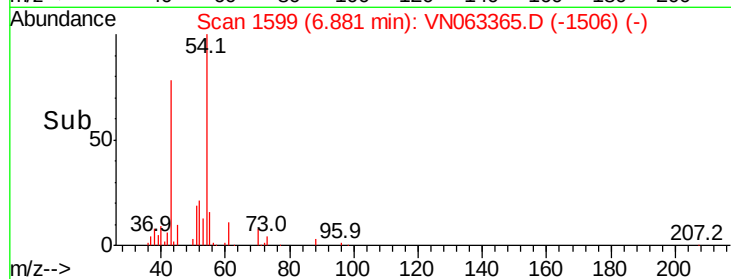
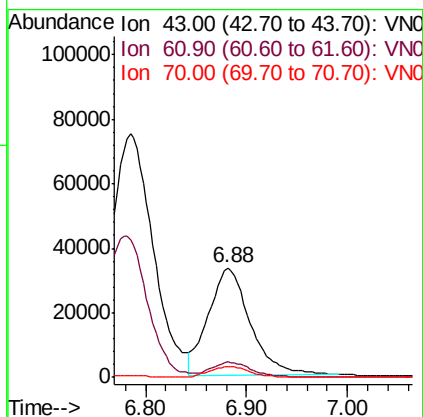
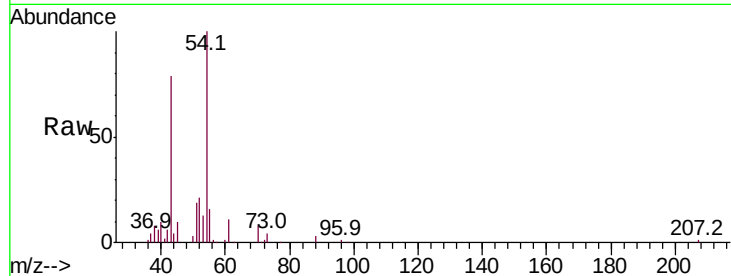




#37
Ethyl Acetate
Concen: 19.729 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

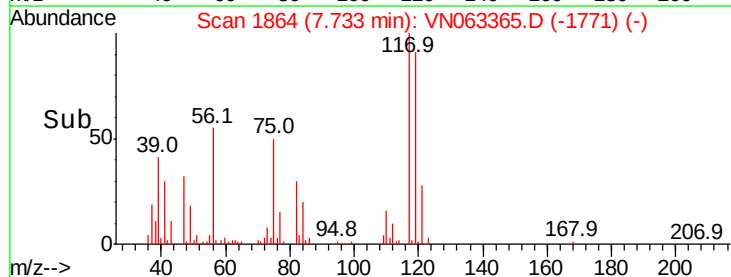
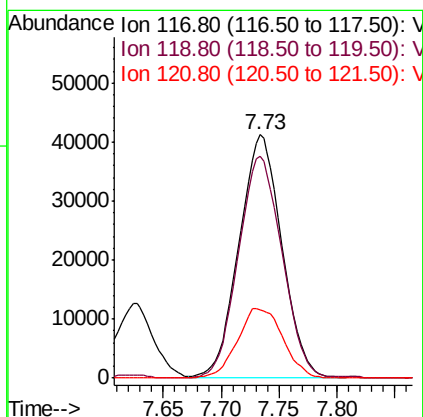
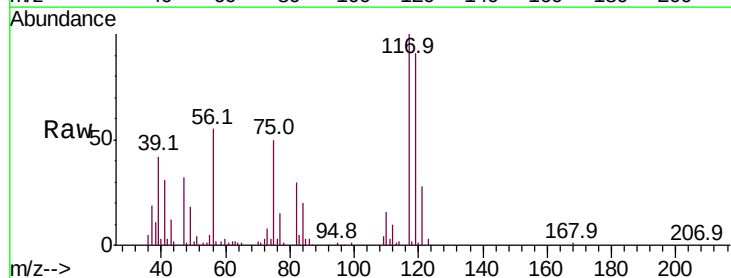
Instrument :
MSVOA_N
ClientSampleID :
VN0916WBS01

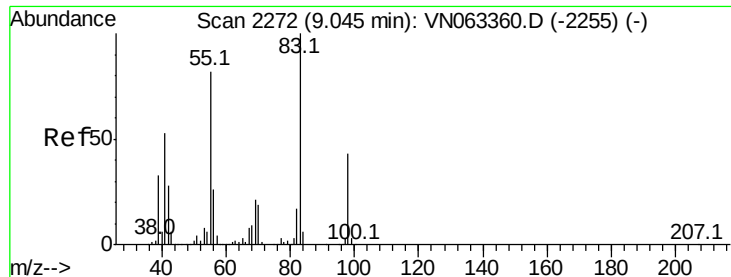
Tot Ion: 43 Resp: 96394
Ion Ratio Lower Upper
43 100
61 12.7 10.6 15.8
70 9.7 7.2 10.8



#38
Carbon Tetrachloride
Concen: 20.686 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion: 117 Resp: 105123
Ion Ratio Lower Upper
117 100
119 91.6 74.5 111.7
121 28.2 24.1 36.1

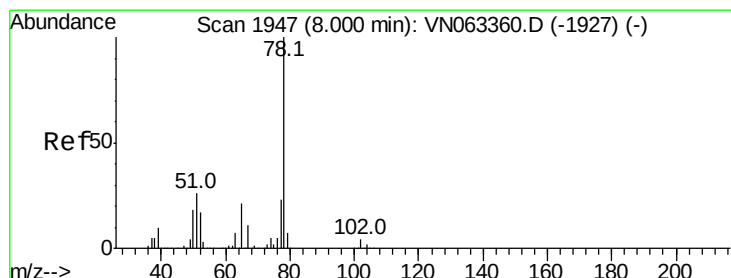
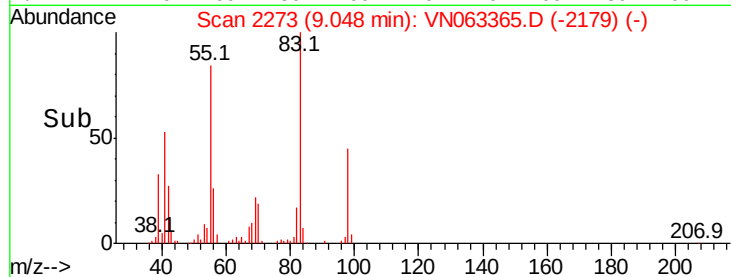
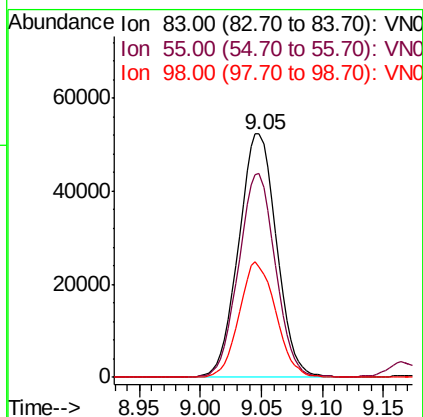
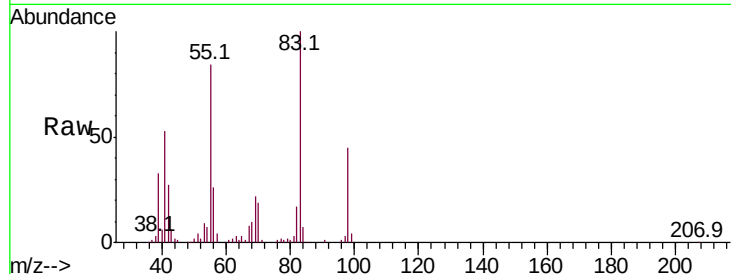




#39
Methylvlcyclohexane
Concen: 20.809 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

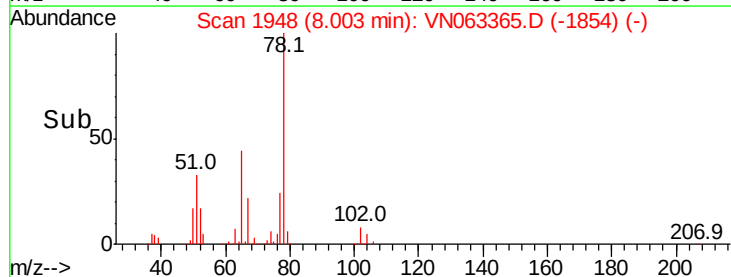
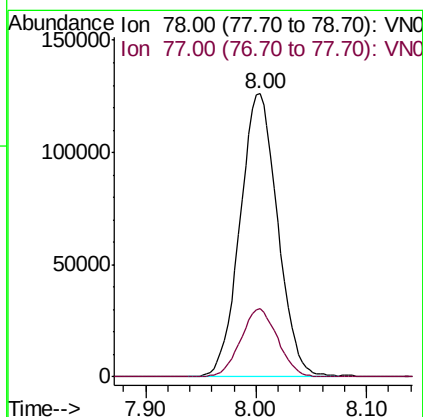
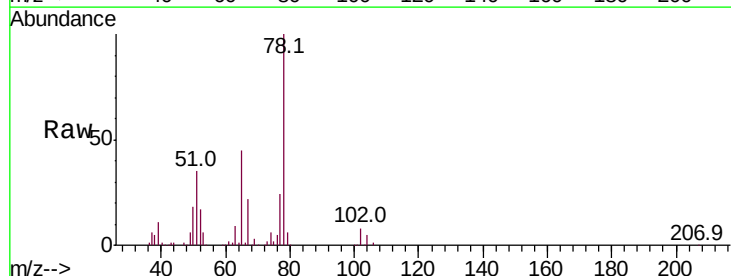
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

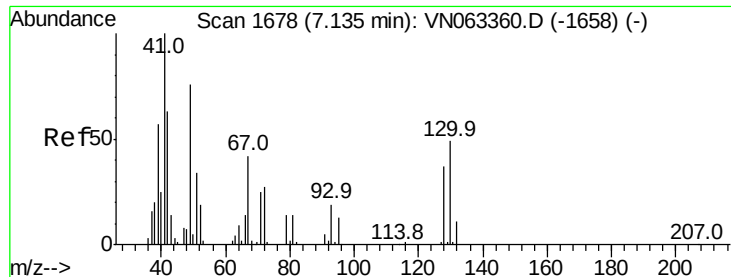
Tot Ion: 83 Resp: 112432
Ion Ratio Lower Upper
83 100
55 83.6 65.5 98.3
98 45.3 34.2 51.4



#40
Benzene
Concen: 20.988 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion: 78 Resp: 298252
Ion Ratio Lower Upper
78 100
77 24.0 18.3 27.5

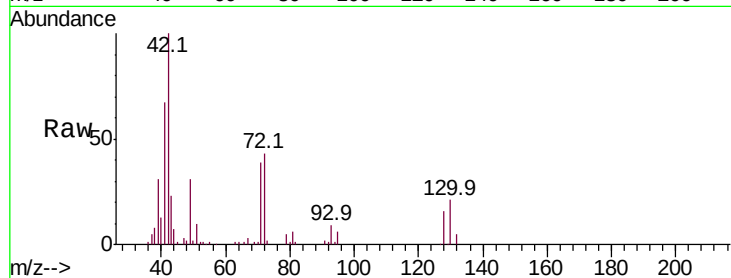




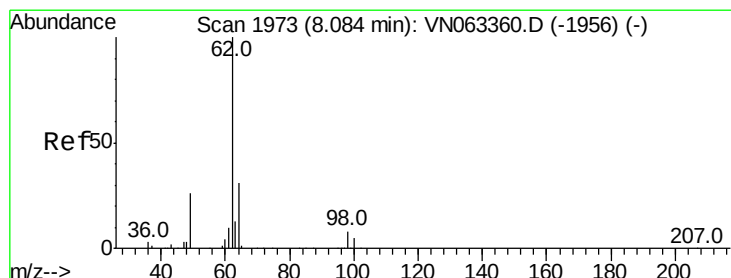
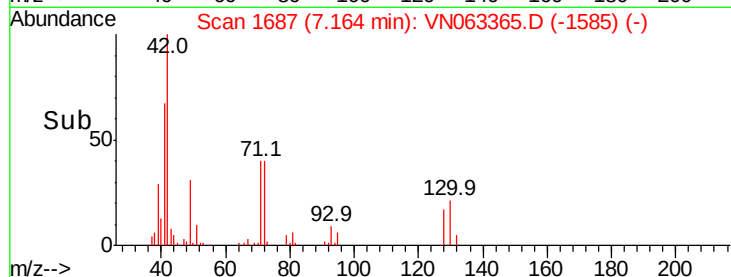
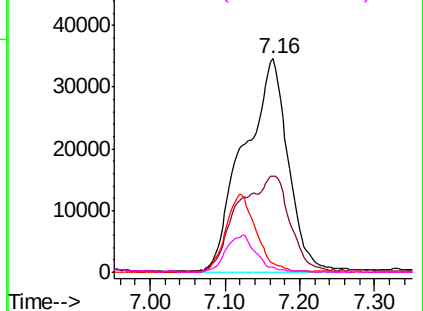
#41
Methacrylonitrile
Concen: 64.913 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.03 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

Tot Ion:	41	Resp:	142646
Ion	Ratio	Lower	Upper
41	100		
39	51.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

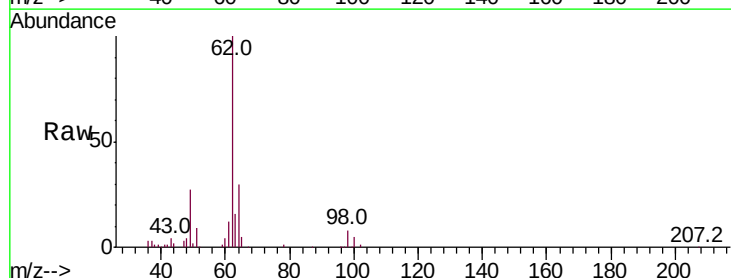


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

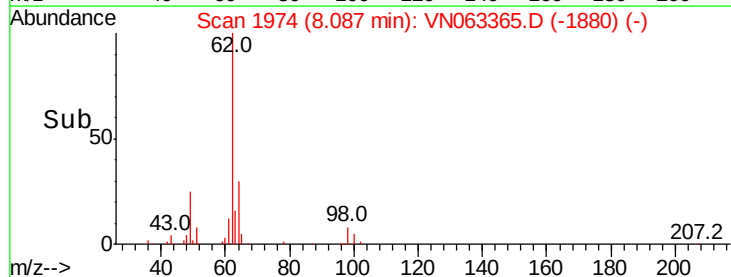
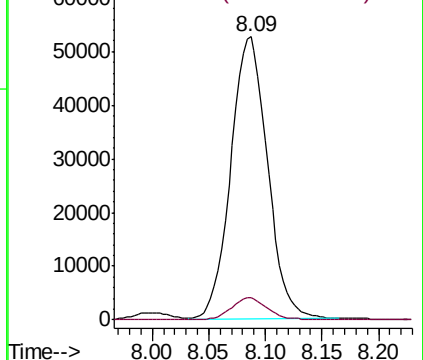


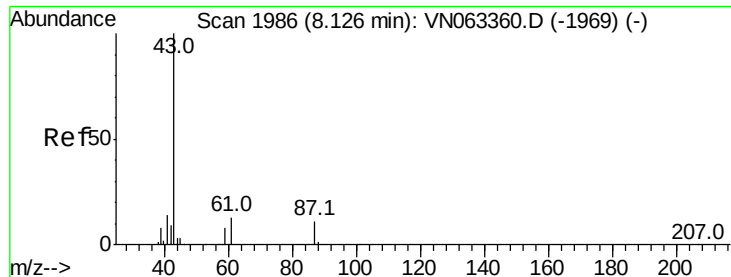
#42
1,2-Dichloroethane
Concen: 20.837 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion:	62	Resp:	119084
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.474 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

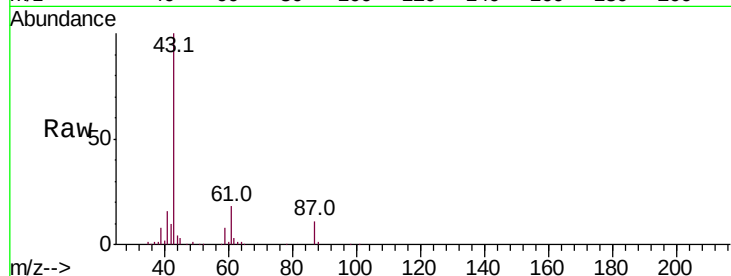
Tot Ion: 43 Resp: 170132

Ion Ratio Lower Upper

43 100

61 25.2 14.2 21.2#

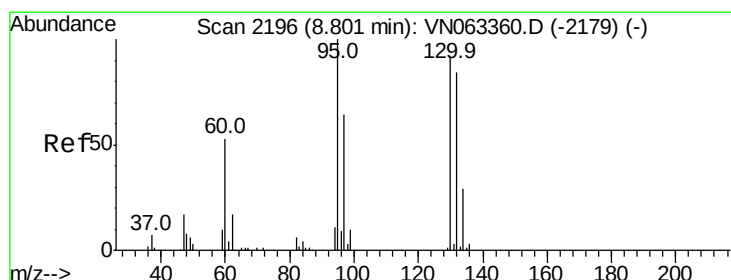
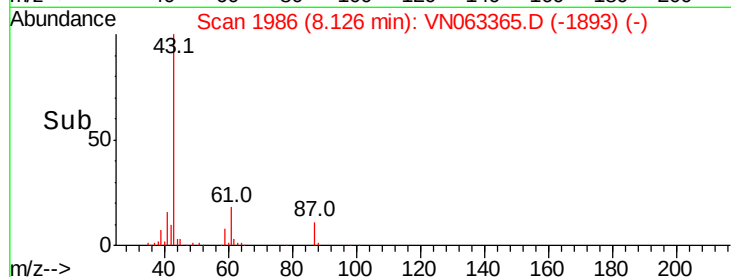
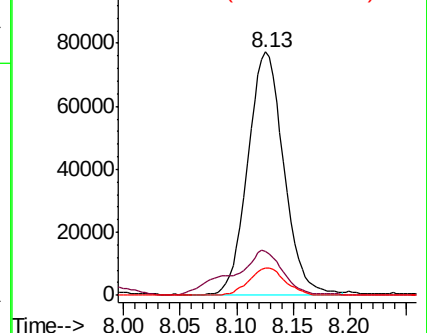
87 11.4 9.0 13.6



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



#44

Trichloroethene

Concen: 20.950 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063365.D

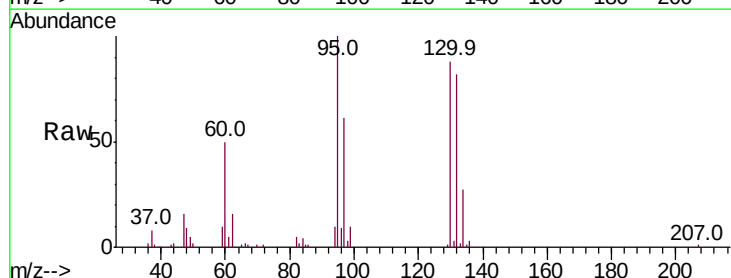
Acq: 16 Sep 2020 15:26

Tgt Ion:130 Resp: 72209

Ion Ratio Lower Upper

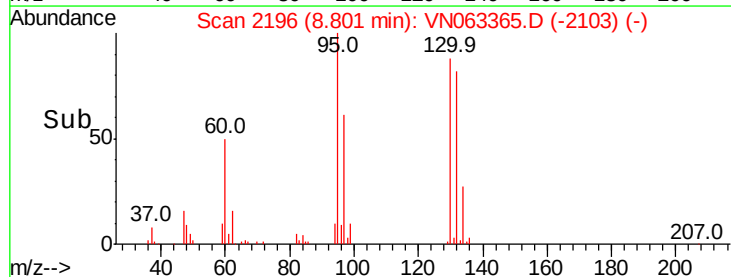
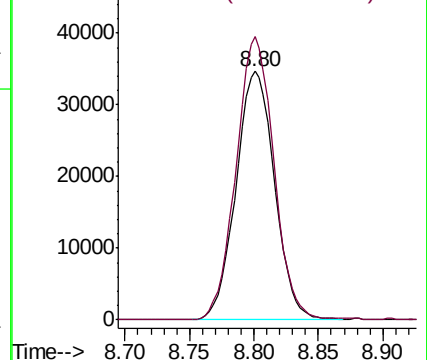
130 100

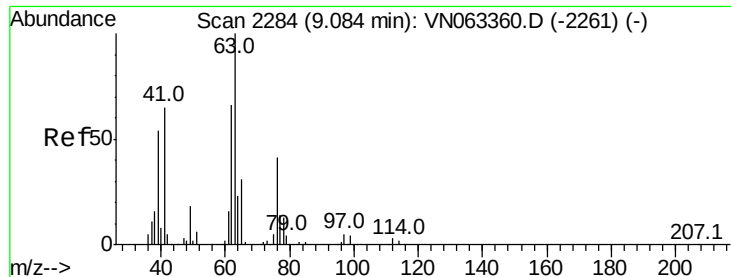
95 113.9 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.253 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

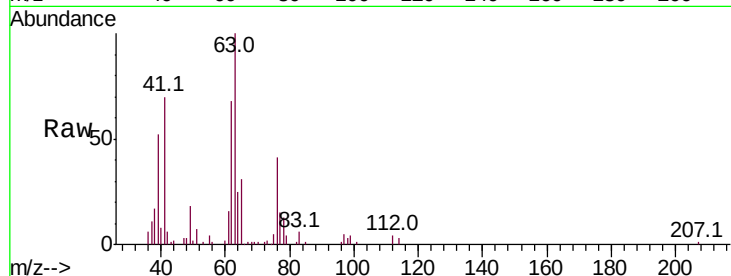
VN0916WBS01

Tot Ion: 63 Resp: 82257

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.08

40000

30000

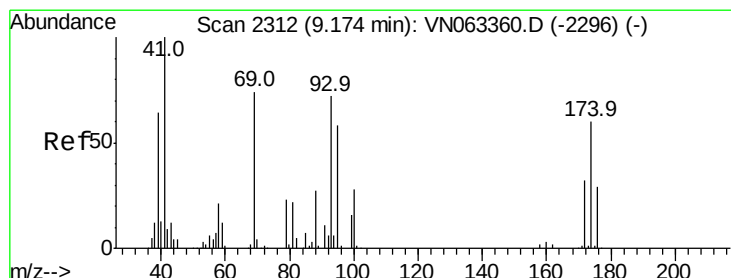
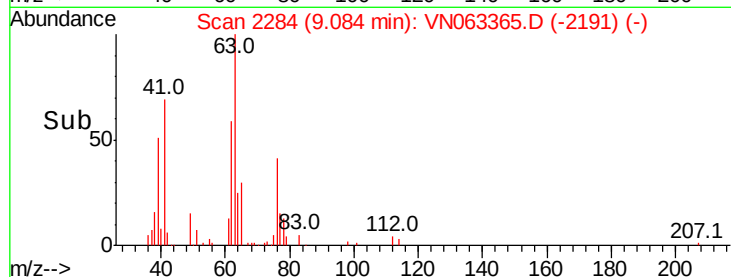
20000

10000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 20.809 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

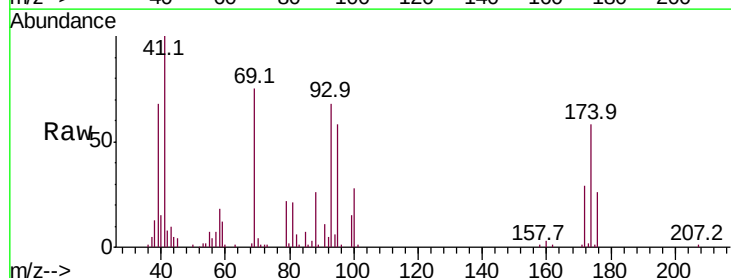
Tgt Ion: 93 Resp: 52935

Ion Ratio Lower Upper

93 100

95 84.5 65.6 98.4

174 83.7 68.1 102.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.17

30000

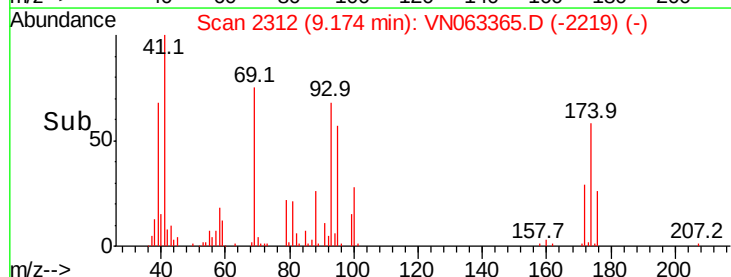
20000

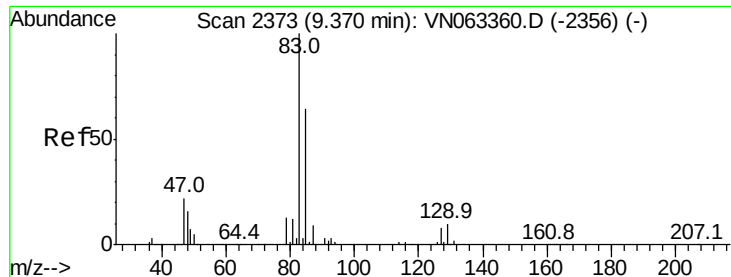
10000

0

9.10 9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 21.108 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

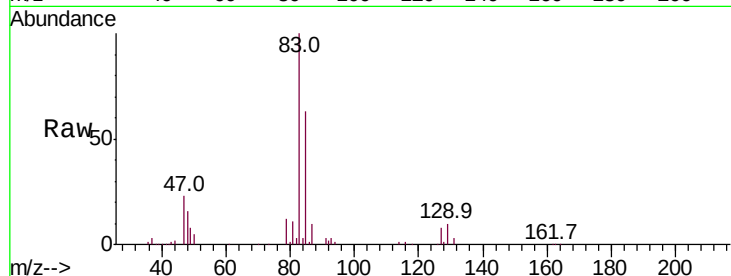
Tot Ion: 83 Resp: 111552

Ion Ratio Lower Upper

83 100

85 62.9 51.0 76.6

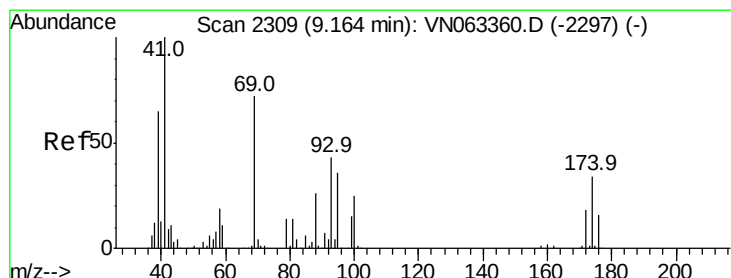
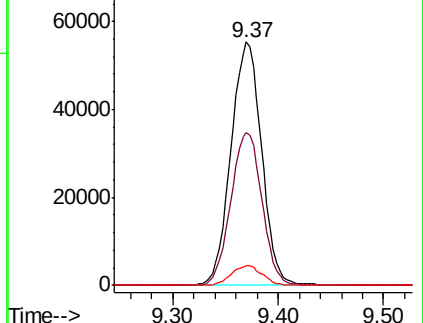
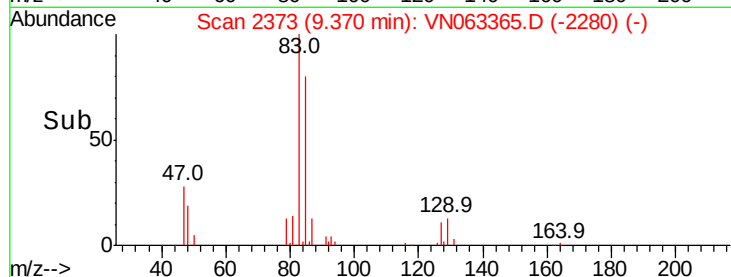
127 8.2 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.001 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

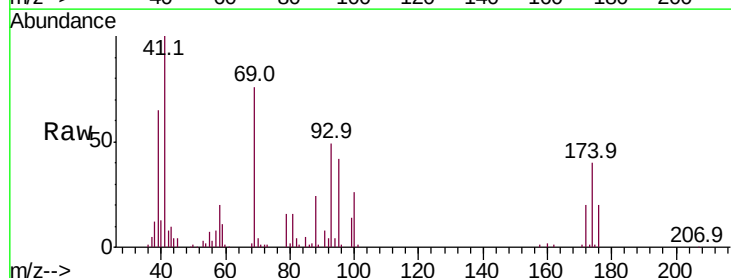
Tgt Ion: 41 Resp: 85849

Ion Ratio Lower Upper

41 100

69 75.1 59.3 88.9

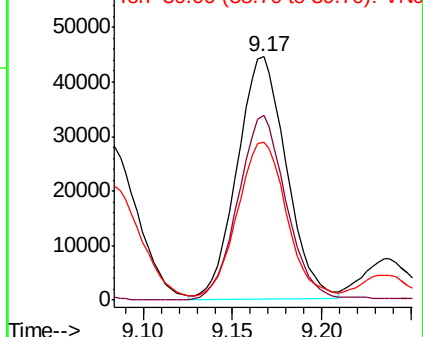
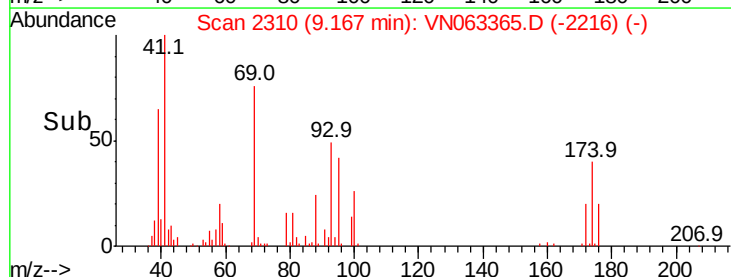
39 62.9 52.9 79.3

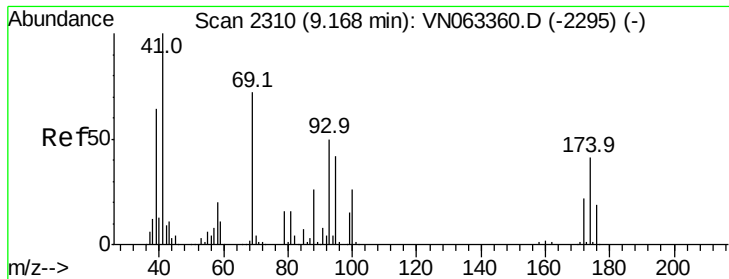


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 370.878 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

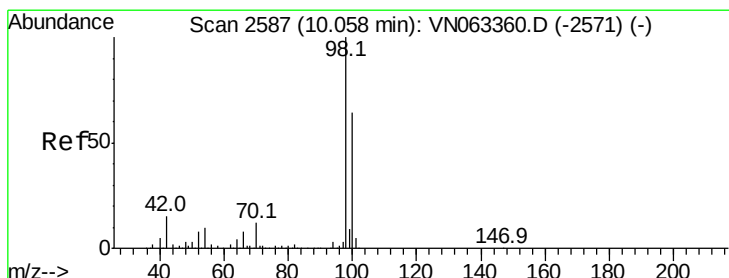
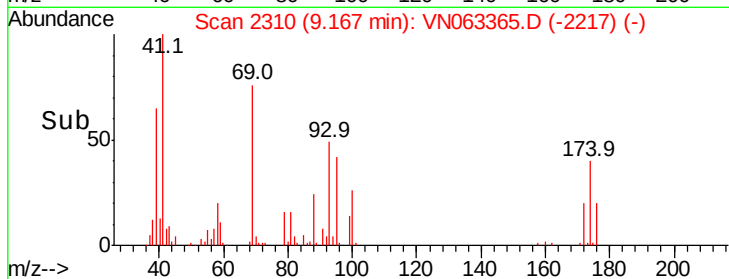
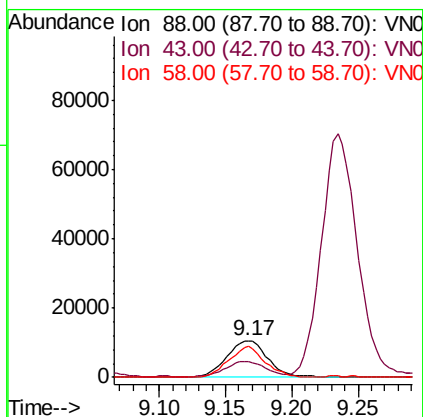
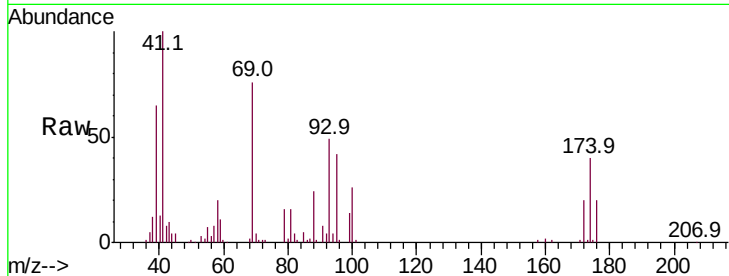
Tot Ion: 88 Resp: 22845

Ion Ratio Lower Upper

88 100

43 39.1 32.6 49.0

58 74.3 60.0 90.0



#50

Toluene-d8

Concen: 51.383 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063365.D

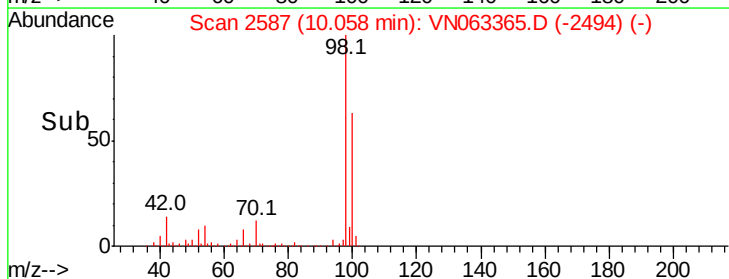
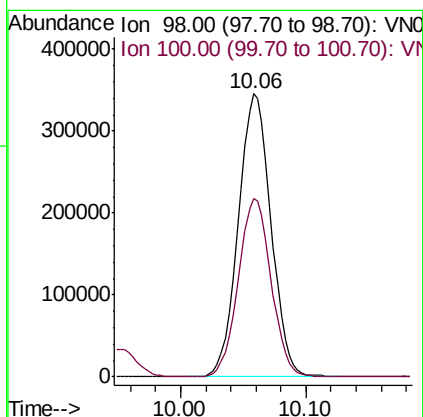
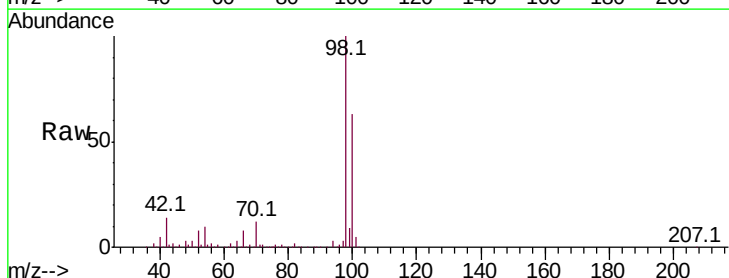
Acq: 16 Sep 2020 15:26

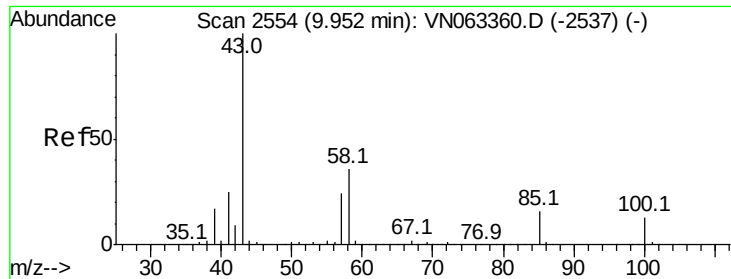
Tgt Ion: 98 Resp: 625015

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 101.001 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

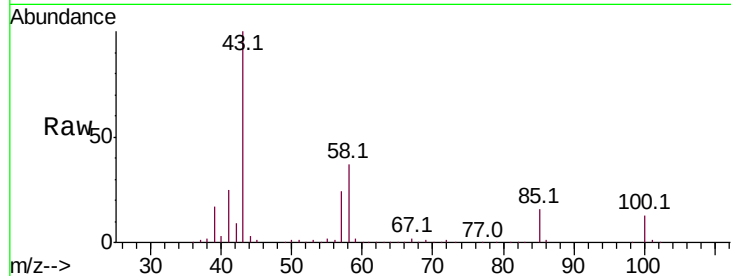
VN0916WBS01

Tot Ion: 43 Resp: 493997

Ion Ratio Lower Upper

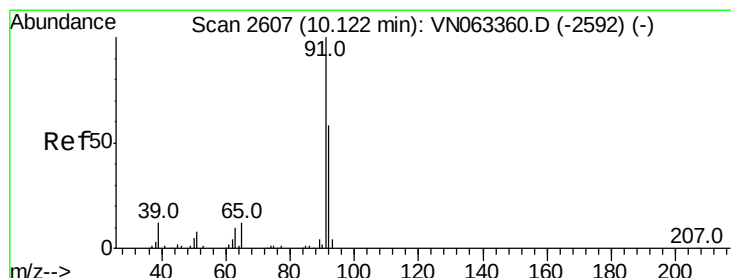
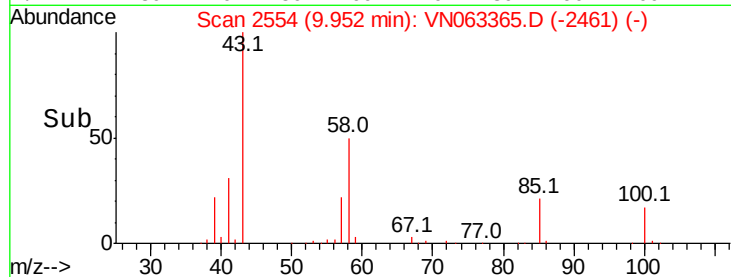
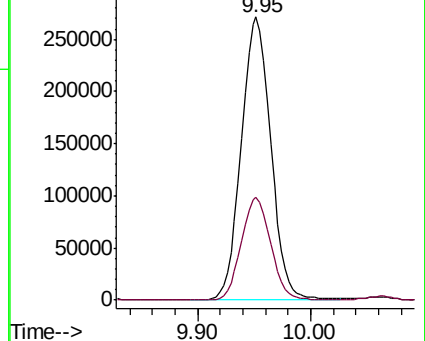
43 100

58 36.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.362 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063365.D

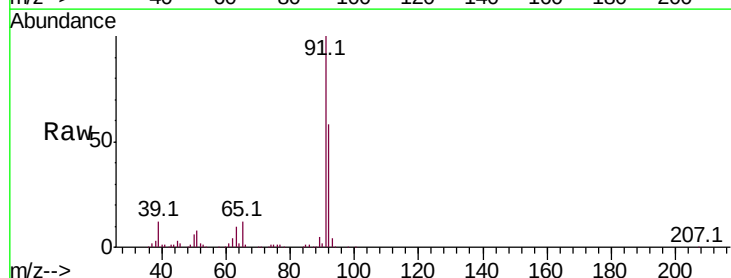
Acq: 16 Sep 2020 15:26

Tgt Ion: 92 Resp: 182517

Ion Ratio Lower Upper

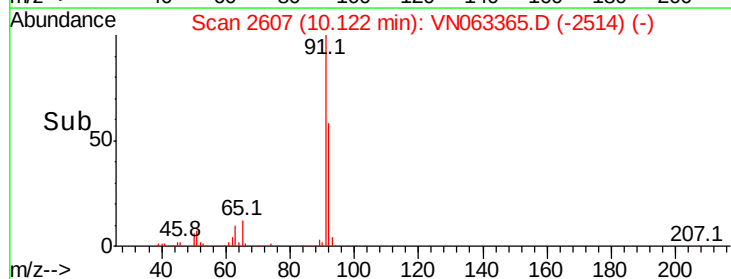
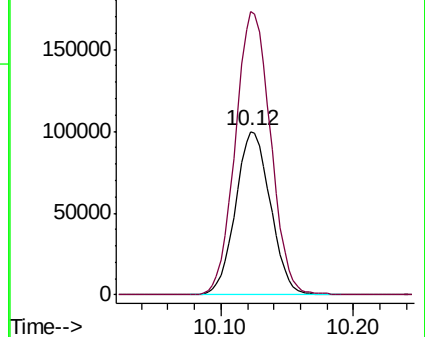
92 100

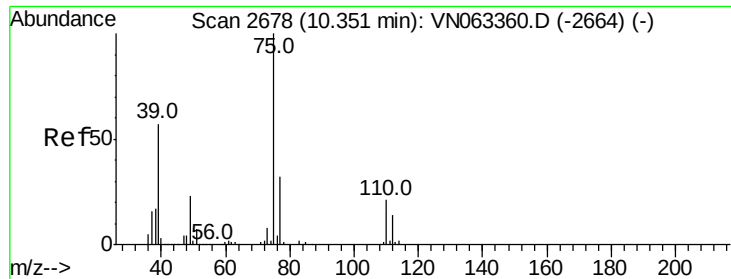
91 175.5 139.7 209.5



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: 20.794 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

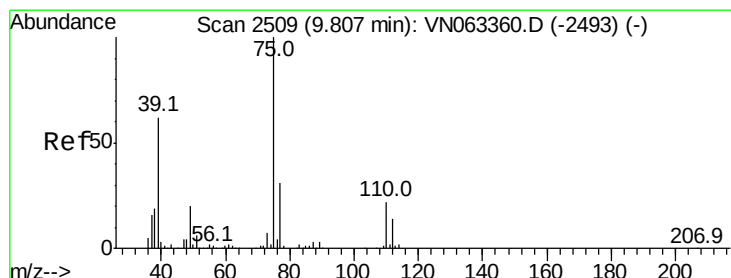
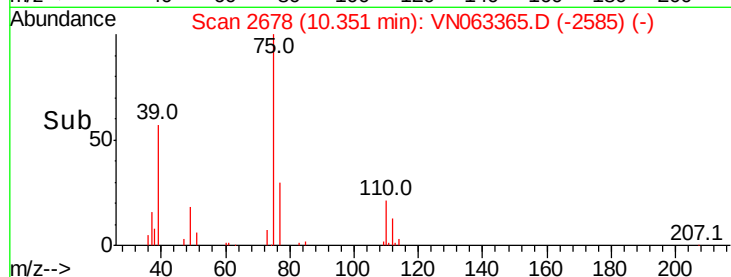
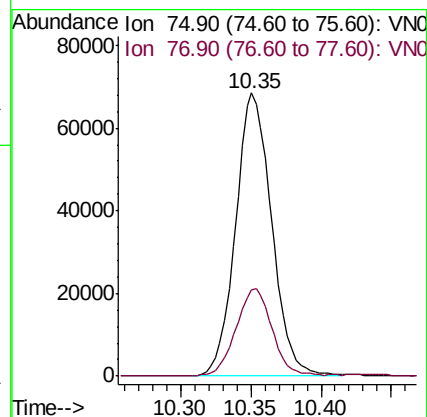
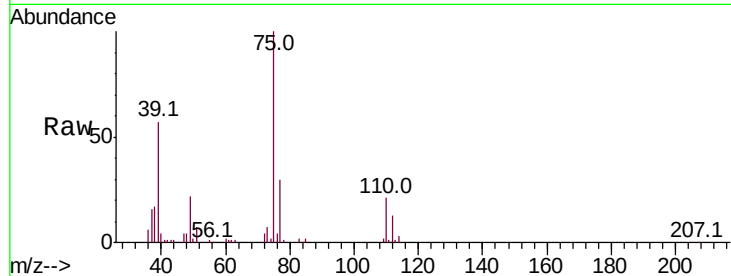
VN0916WBS01

Tot Ion: 75 Resp: 122682

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.928 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

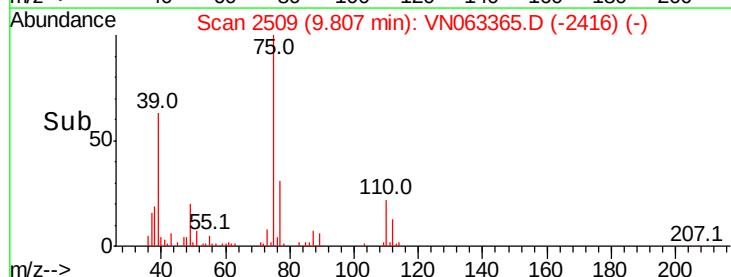
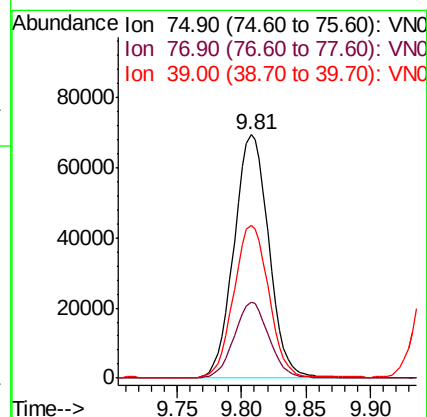
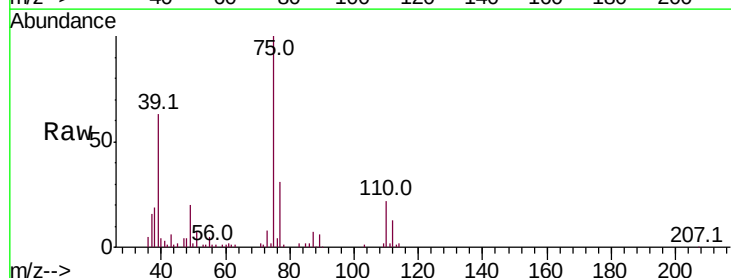
Tgt Ion: 75 Resp: 130238

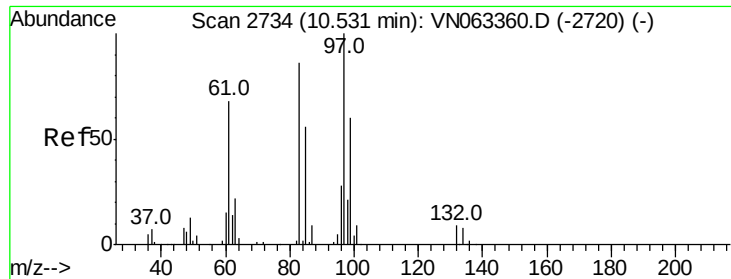
Ion Ratio Lower Upper

75 100

77 31.1 24.6 37.0

39 62.5 49.8 74.8

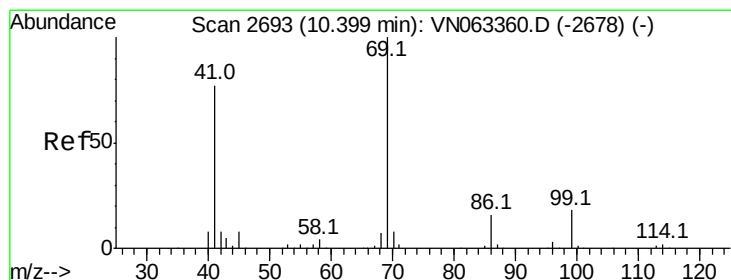
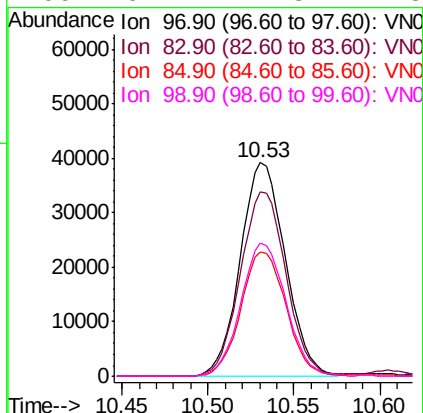
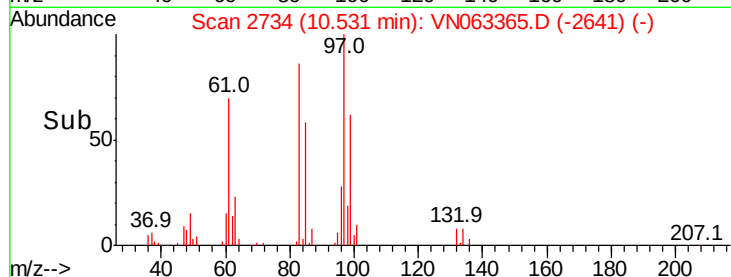
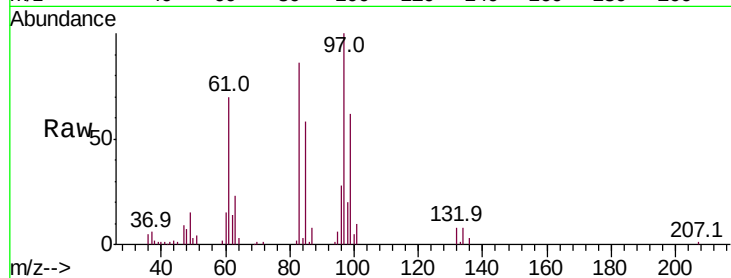




#55
 1,1,2-Trichloroethane
 Concen: 20.981 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

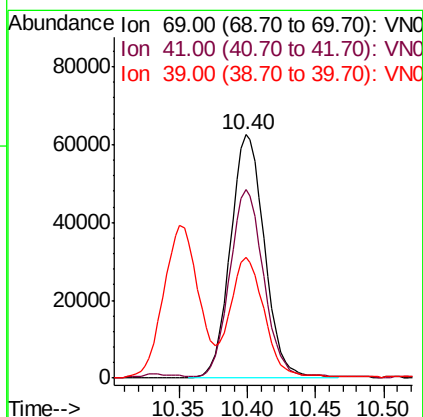
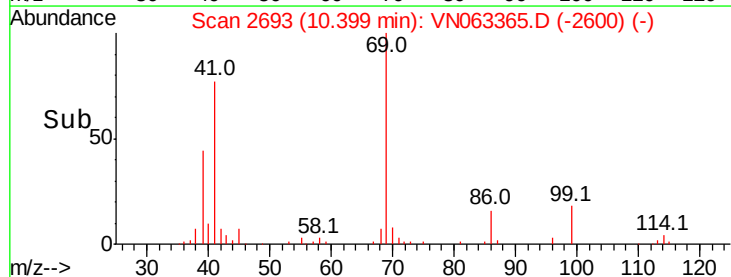
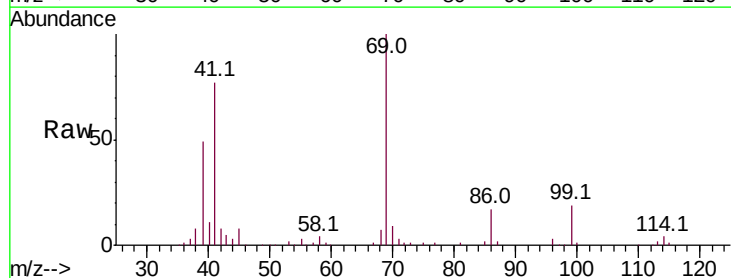
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

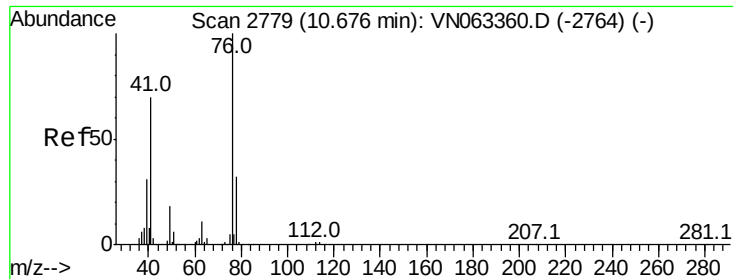
Tot Ion: 97 Resp: 71204
 Ion Ratio Lower Upper
 97 100
 83 86.5 68.9 103.3
 85 58.2 44.8 67.2
 99 62.1 47.8 71.8



#56
 Ethyl methacrylate
 Concen: 20.492 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

Tgt Ion: 69 Resp: 108568
 Ion Ratio Lower Upper
 69 100
 41 75.4 61.0 91.6
 39 49.3 39.2 58.8





#57

1,3-Dichloropropane

Concen: 20.798 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

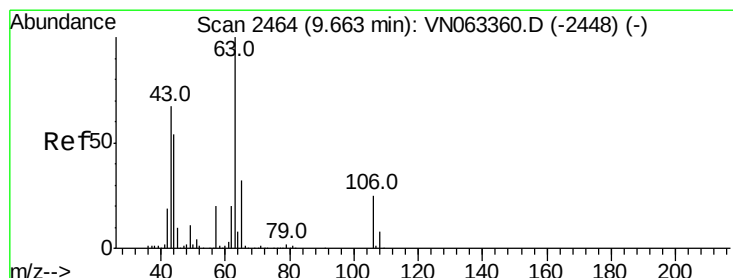
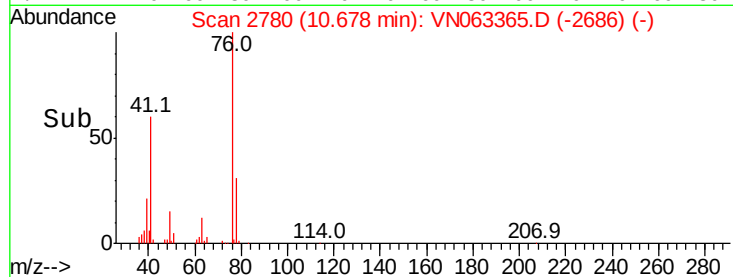
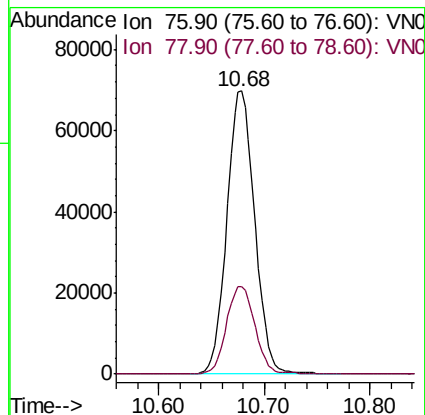
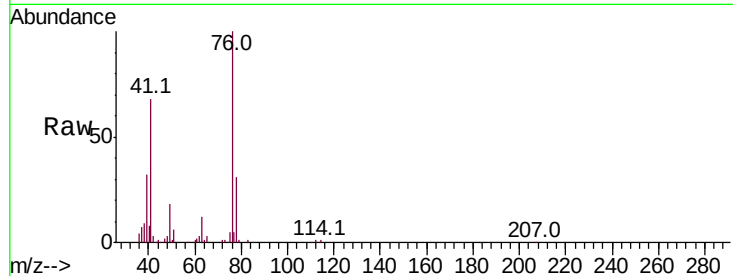
VN0916WBS01

Tot Ion: 76 Resp: 127288

Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 93.850 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063365.D

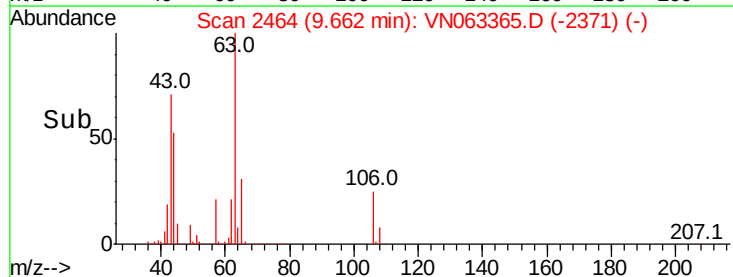
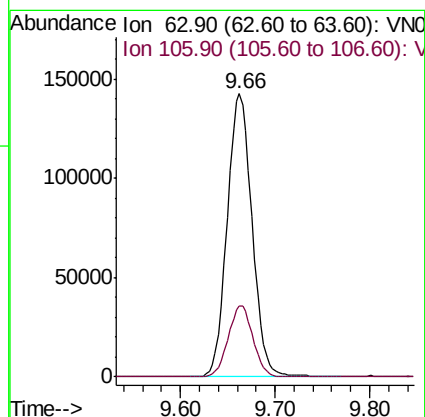
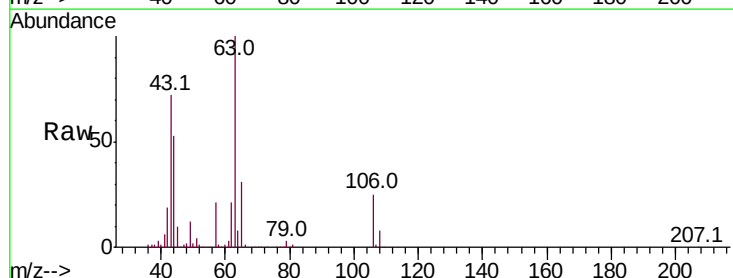
Acq: 16 Sep 2020 15:26

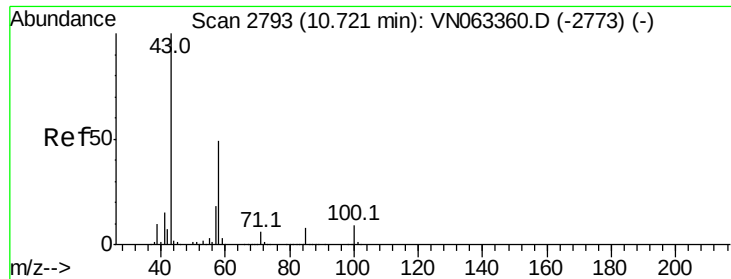
Tgt Ion: 63 Resp: 260832

Ion Ratio Lower Upper

63 100

106 25.0 19.5 29.3

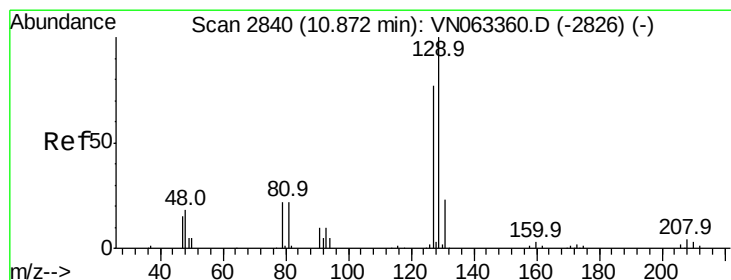
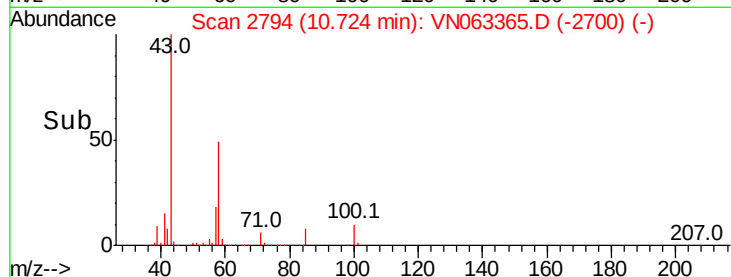
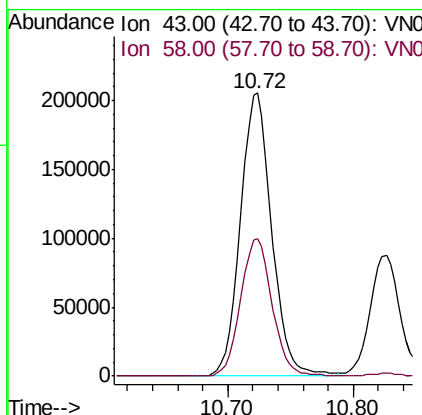
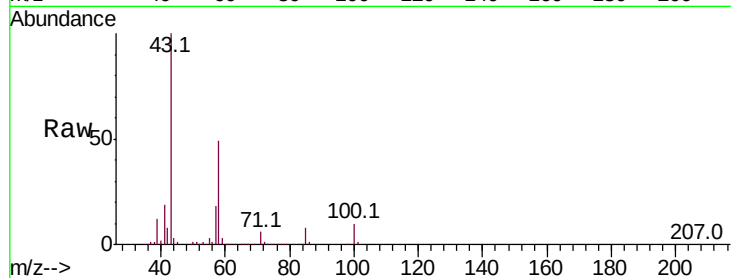




#59
2-Hexanone
Concen: 100.576 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

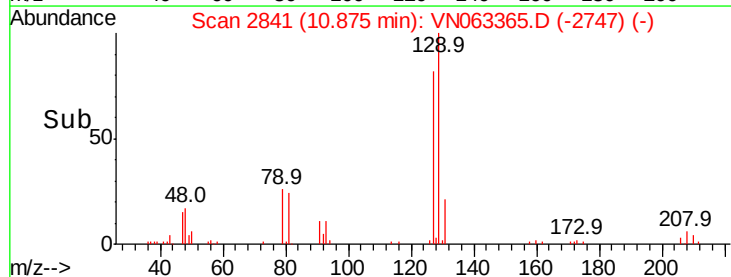
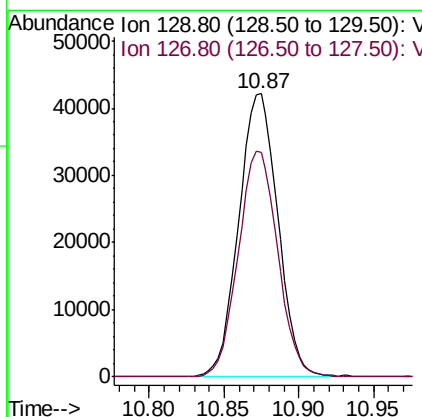
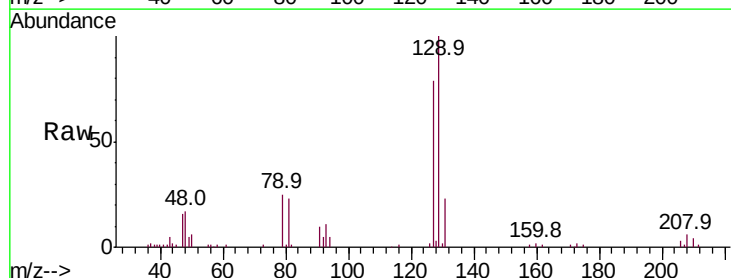
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

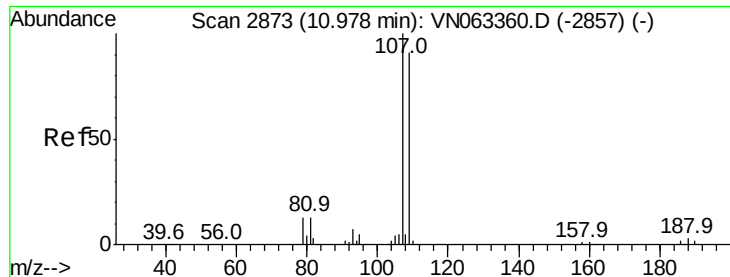
Tot Ion: 43 Resp: 356380
Ion Ratio Lower Upper
43 100
58 49.1 24.7 74.1



#60
Dibromochloromethane
Concen: 20.050 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion: 129 Resp: 76874
Ion Ratio Lower Upper
129 100
127 80.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.813 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

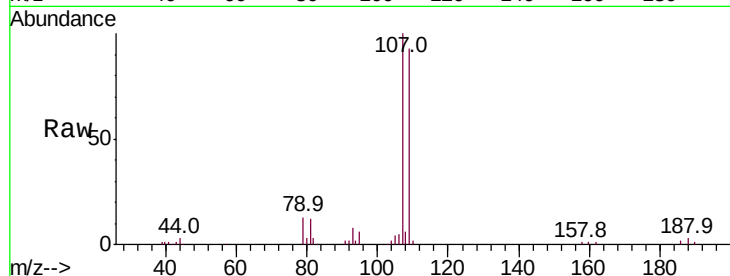
VN0916WBS01

Tot Ion:107 Resp: 73384

Ion Ratio Lower Upper

107 100

109 93.4 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

40000

30000

20000

10000

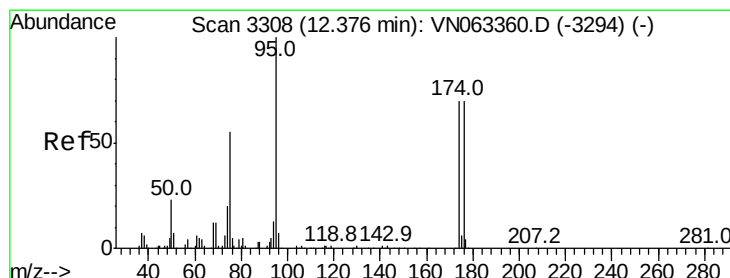
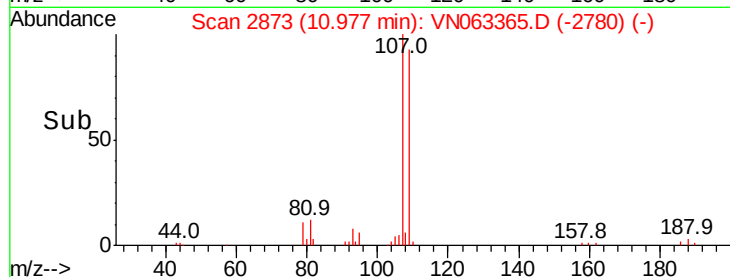
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 51.903 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

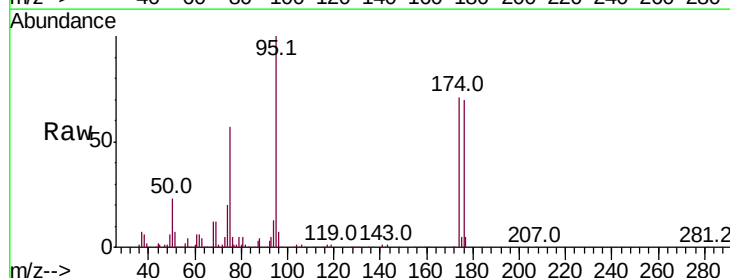
Tgt Ion: 95 Resp: 231438

Ion Ratio Lower Upper

95 100

174 70.4 0.0 140.8

176 68.3 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

150000

100000

50000

0

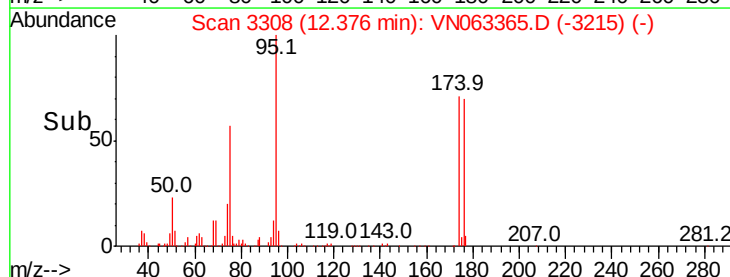
Time-->

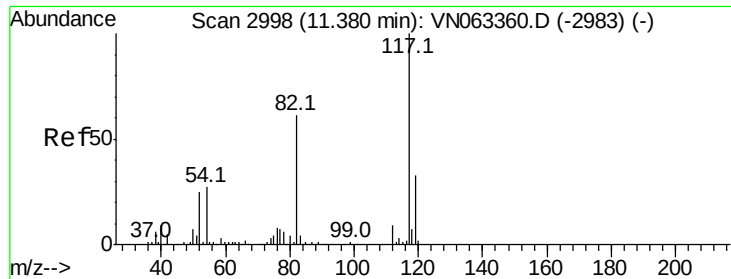
12.30

12.35

12.40

12.45

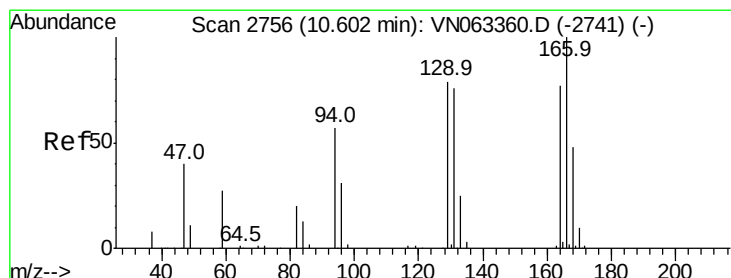
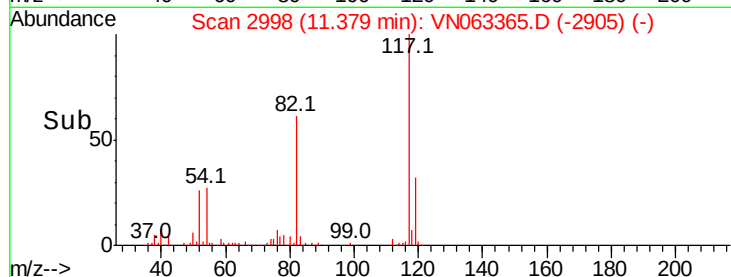
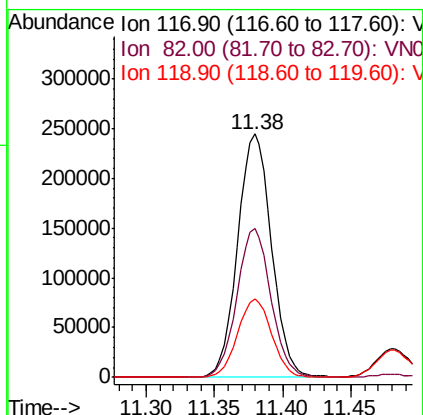
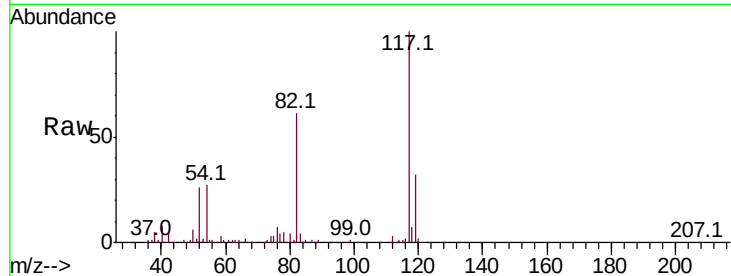




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

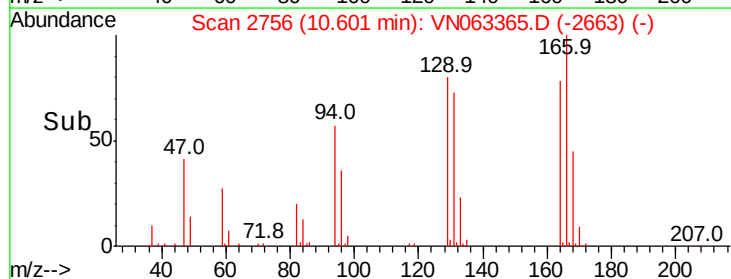
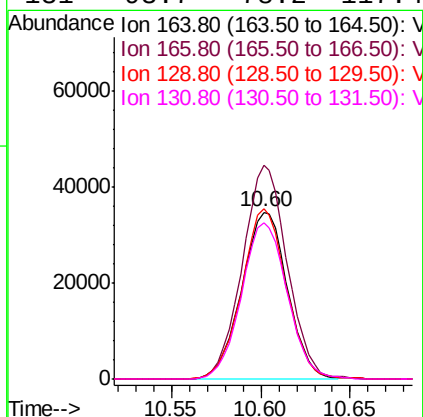
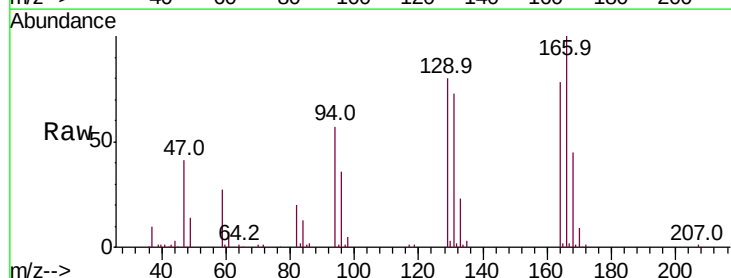
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

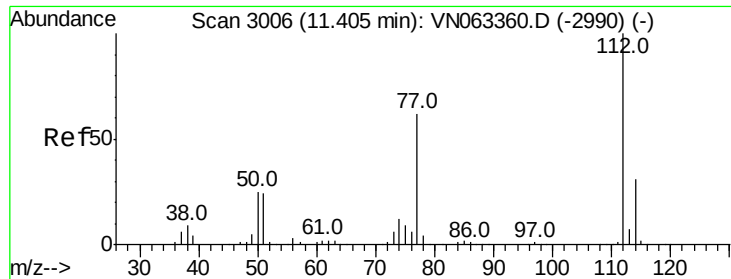
Tot Ion:117 Resp: 421844
Ion Ratio Lower Upper
117 100
82 61.0 49.2 73.8
119 32.0 26.2 39.4



#64
Tetrachloroethene
Concen: 21.640 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion:164 Resp: 62159
Ion Ratio Lower Upper
164 100
166 128.2 103.4 155.0
129 102.6 81.8 122.6
131 93.7 78.2 117.4

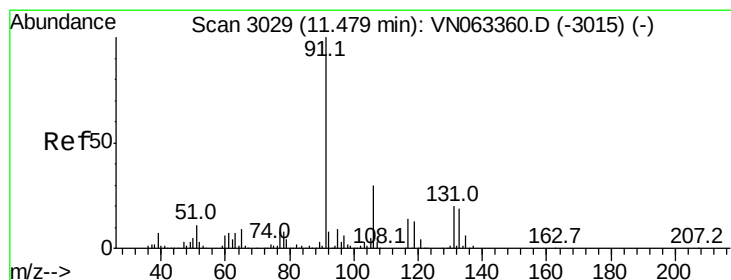
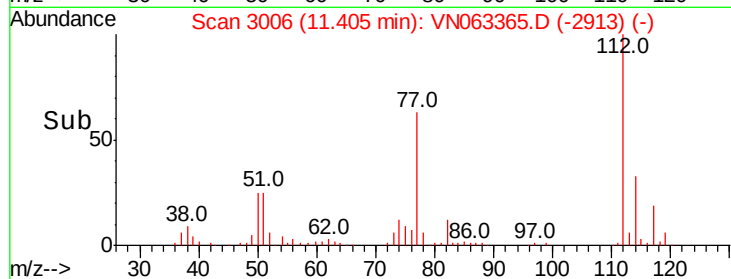
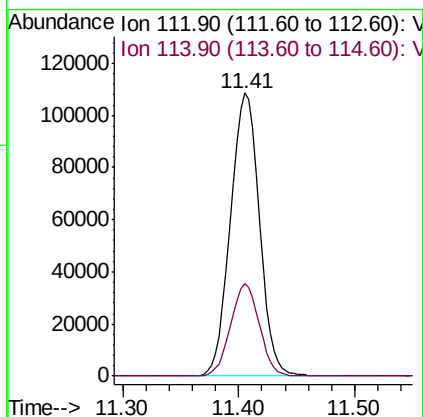
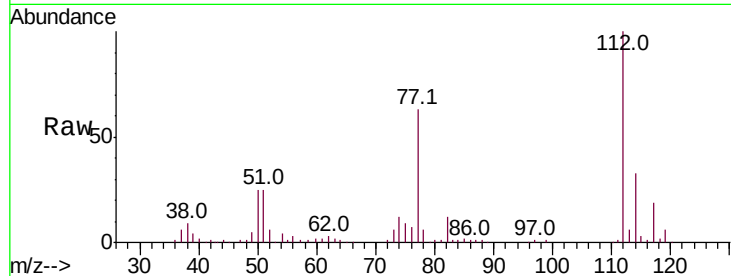




#65
Chlorobenzene
Concen: 20.915 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

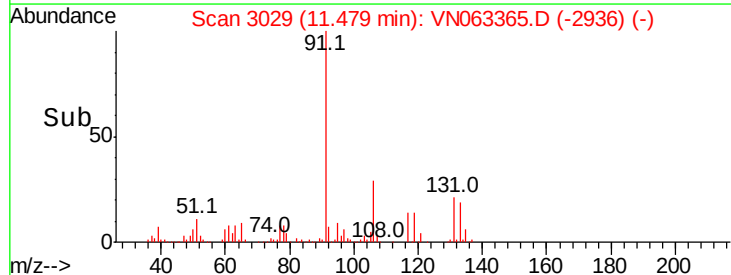
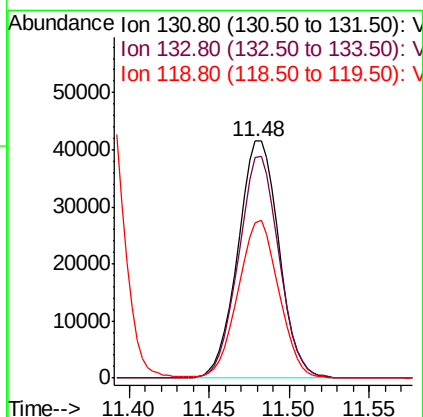
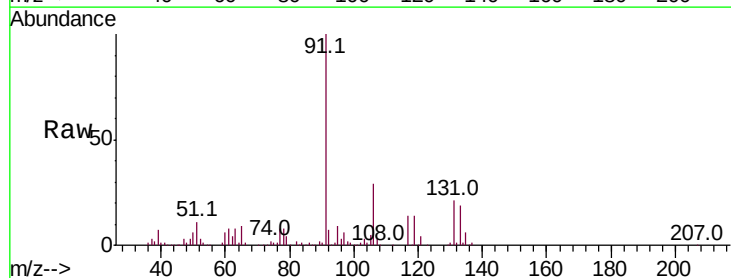
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

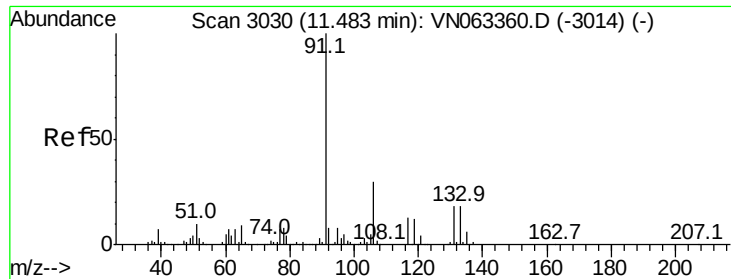
Tot Ion:112 Resp: 187284
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.087 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion:131 Resp: 72499
Ion Ratio Lower Upper
131 100
133 92.5 47.3 141.9
119 66.2 33.6 100.8





#67

Ethyl Benzene

Concen: 21.286 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

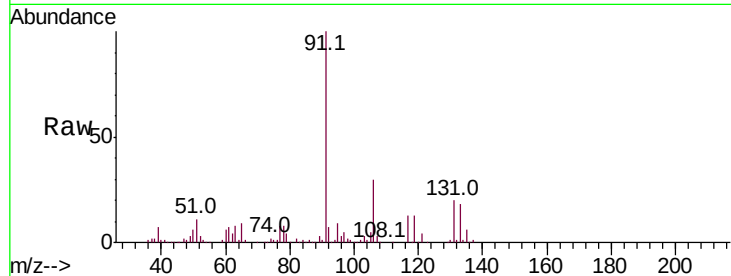
VN0916WBS01

Tot Ion: 91 Resp: 358954

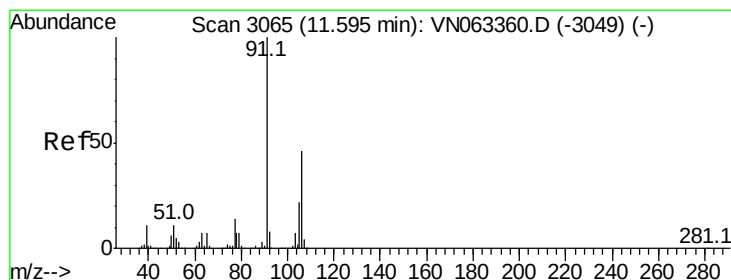
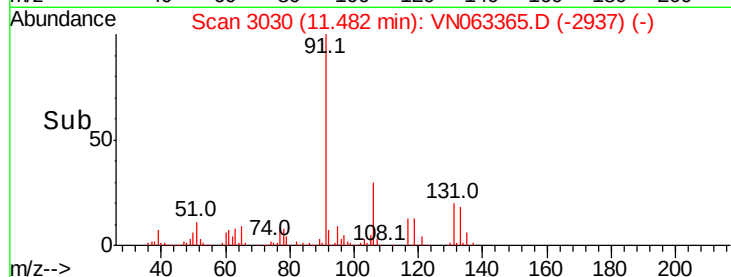
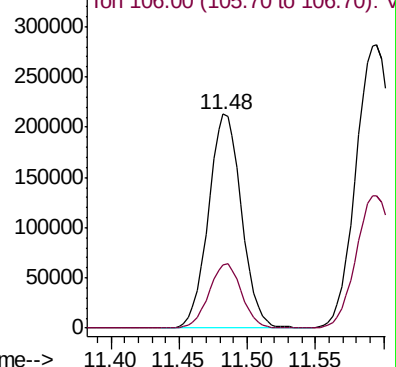
Ion Ratio Lower Upper

91 100

106 29.9 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN063365.D (-2937) (-)



#68

m/p-Xylenes

Concen: 42.547 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063365.D

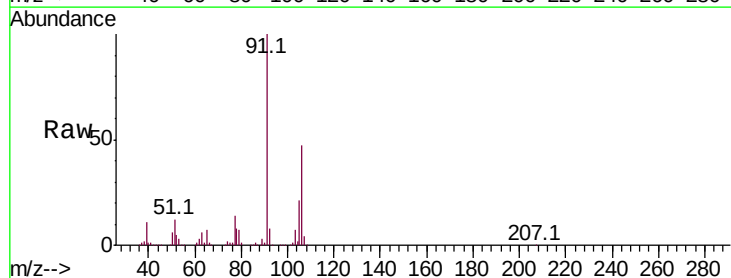
Acq: 16 Sep 2020 15:26

Tgt Ion: 106 Resp: 258686

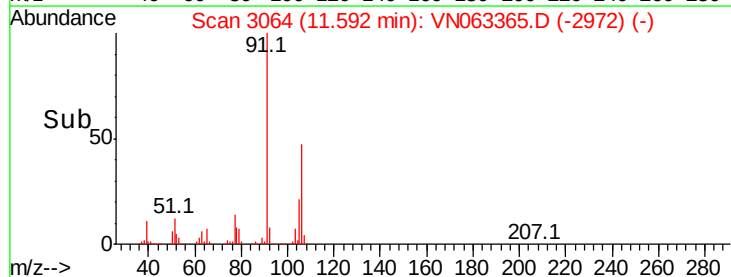
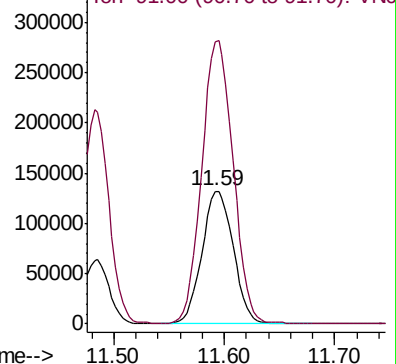
Ion Ratio Lower Upper

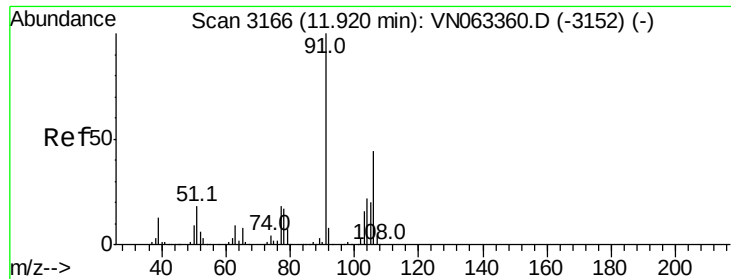
106 100

91 213.9 171.2 256.8



Abundance Ion 106.00 (105.70 to 106.70): VN063365.D (-2972) (-)

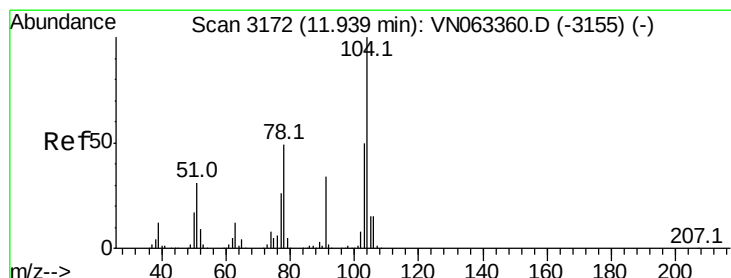
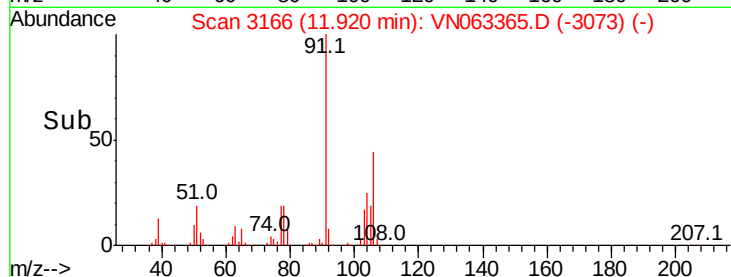
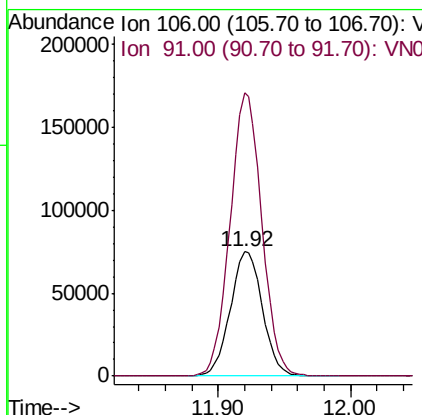
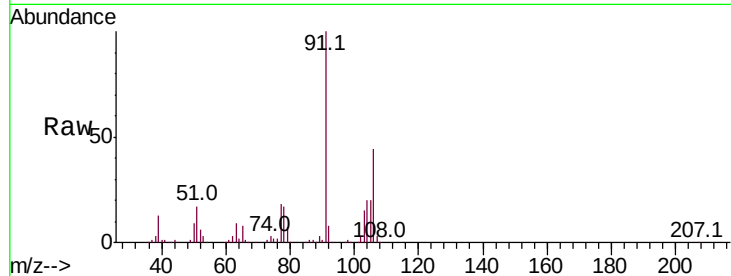




#69
o-Xylene
Concen: 21.759 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

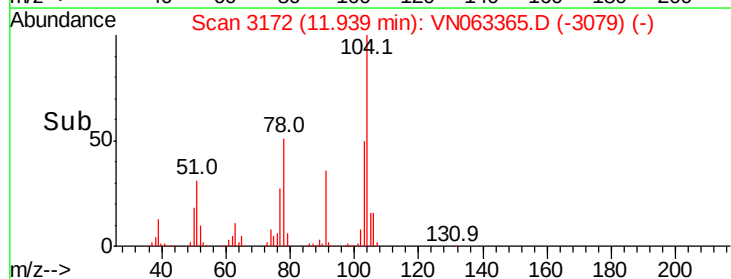
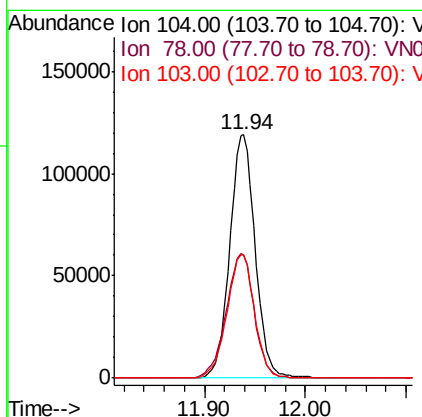
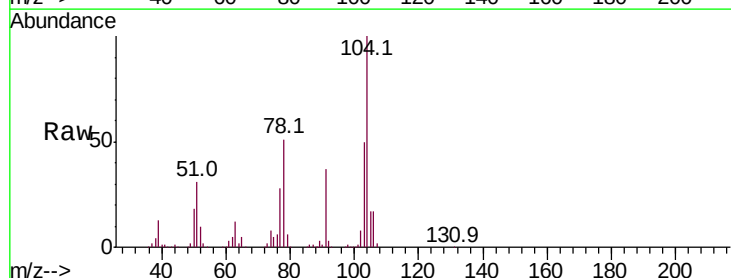
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

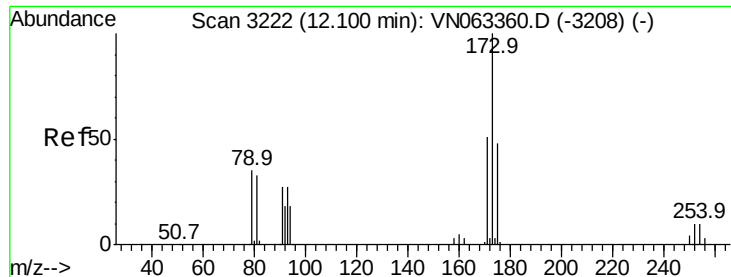
Tot Ion:106 Resp: 126028
Ion Ratio Lower Upper
106 100
91 224.7 113.6 340.8



#70
Styrene
Concen: 21.578 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion:104 Resp: 209584
Ion Ratio Lower Upper
104 100
78 56.2 44.4 66.6
103 54.8 43.7 65.5





#71

Bromoform

Concen: 20.709 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

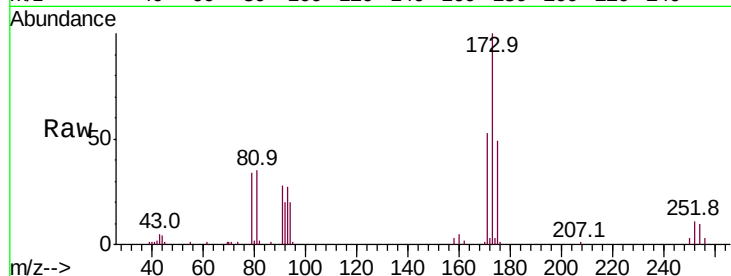
Tot Ion:173 Resp: 50641

Ion Ratio Lower Upper

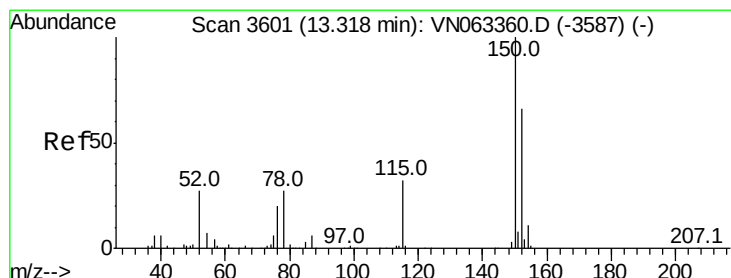
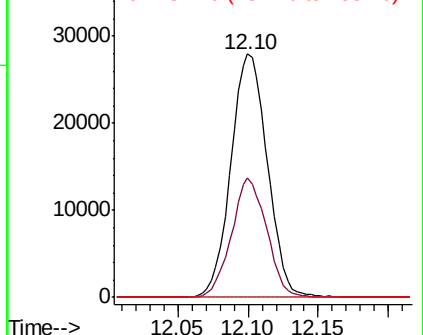
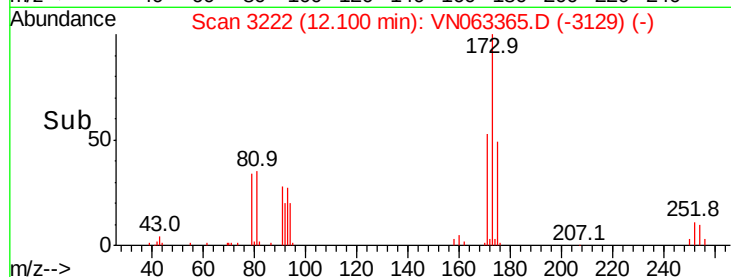
173 100

175 47.2 24.0 72.0

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: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

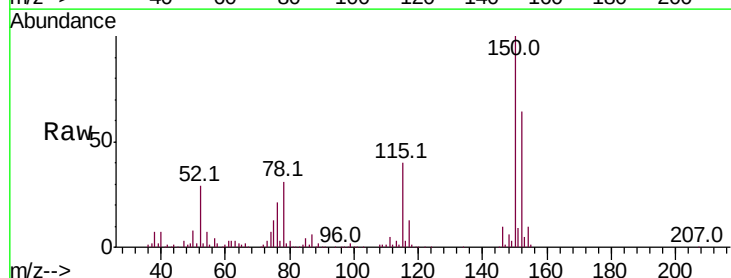
Tgt Ion:152 Resp: 198321

Ion Ratio Lower Upper

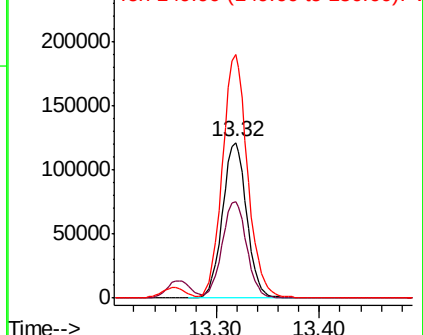
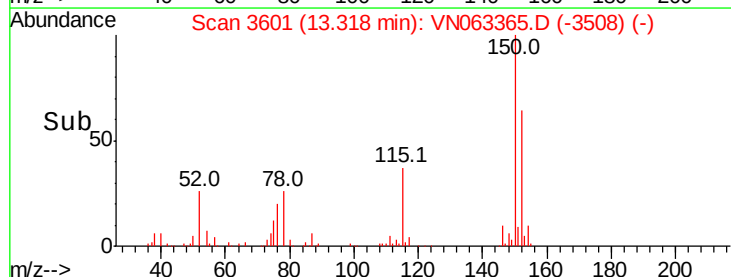
152 100

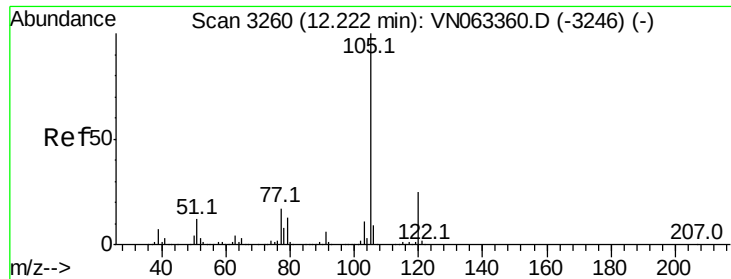
115 62.2 32.2 96.6

150 162.1 0.0 343.4



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





#73

Isopropylbenzene

Concen: 21.022 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

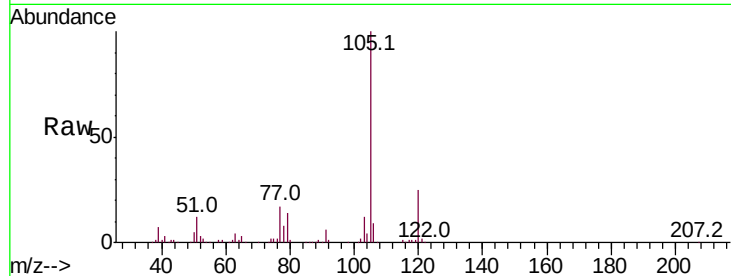
VN0916WBS01

Tot Ion:105 Resp: 334083

Ion Ratio Lower Upper

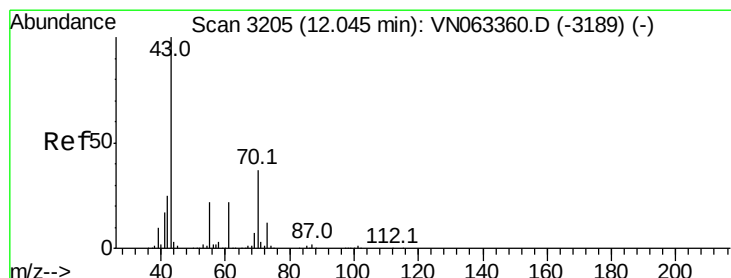
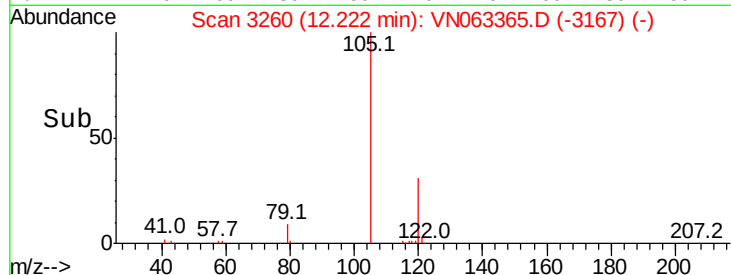
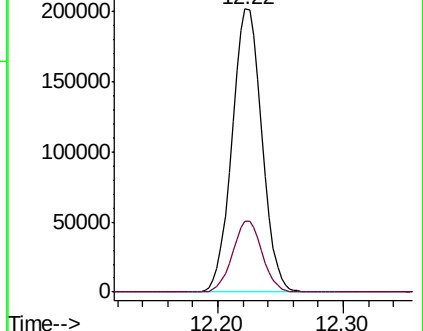
105 100

120 24.9 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 20.112 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Tgt Ion: 43 Resp: 151305

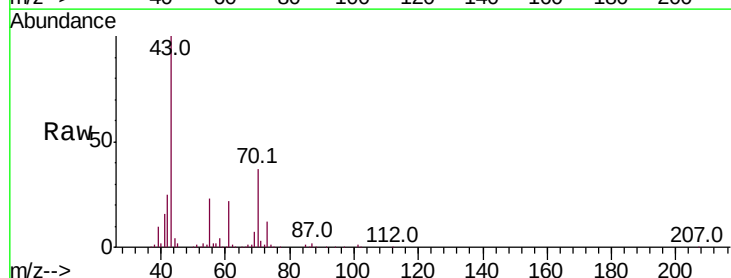
Ion Ratio Lower Upper

43 100

70 37.2 29.6 44.4

55 22.7 17.7 26.5

61 22.2 17.4 26.2

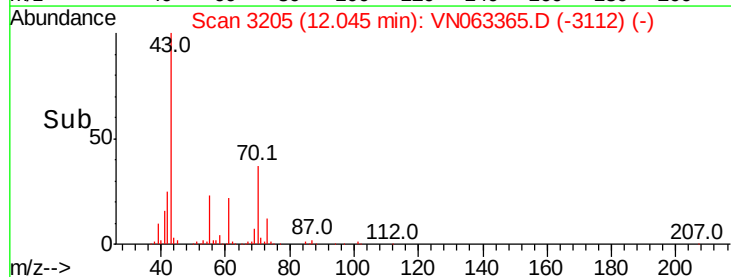
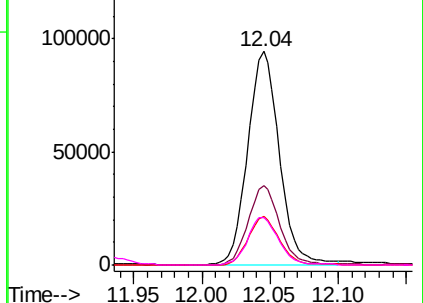


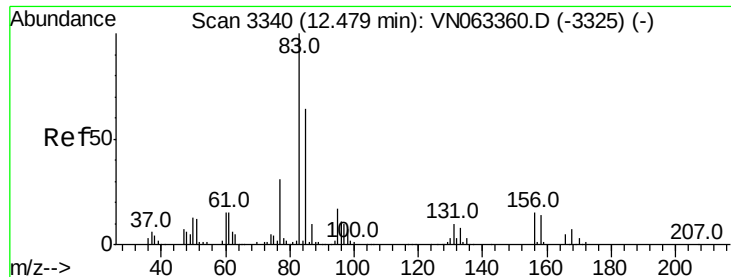
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.282 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

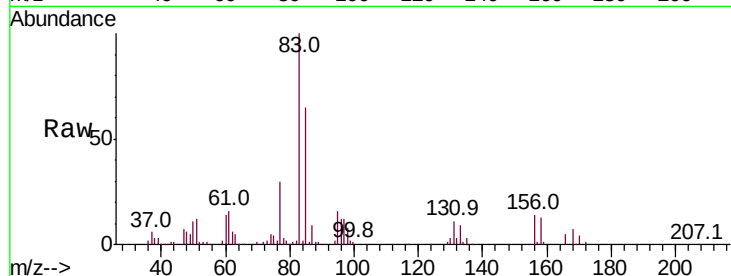
Tot Ion: 83 Resp: 99804

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

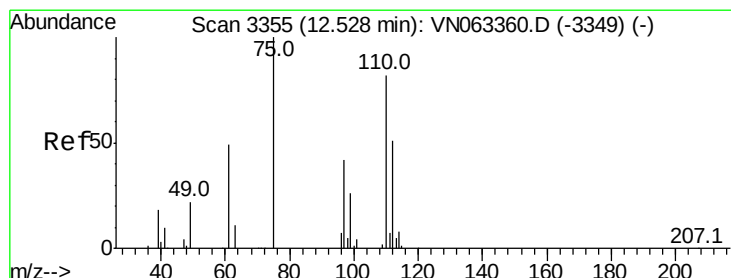
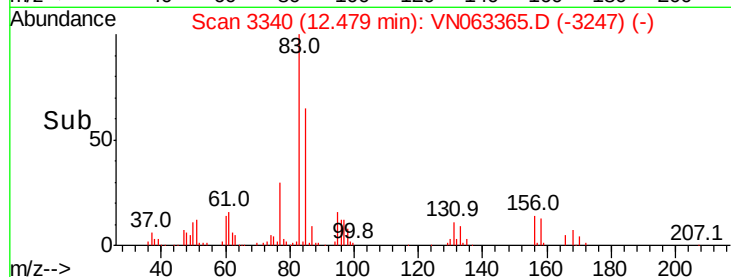
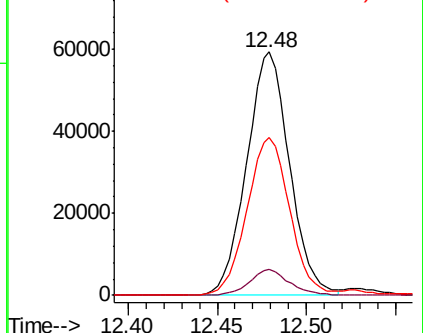
85 64.4 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.000 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063365.D

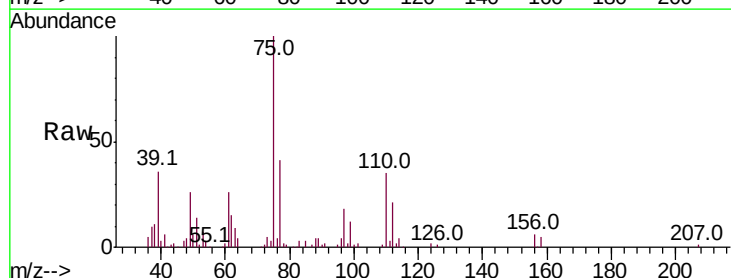
Acq: 16 Sep 2020 15:26

Tgt Ion: 75 Resp: 137443

Ion Ratio Lower Upper

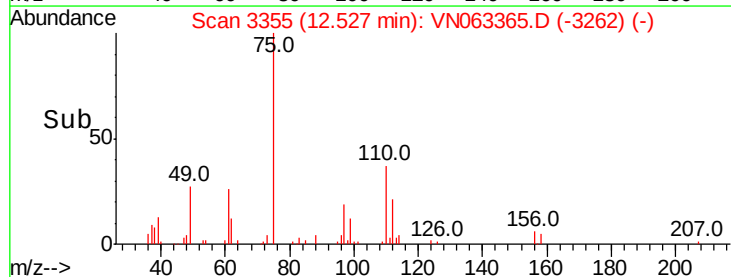
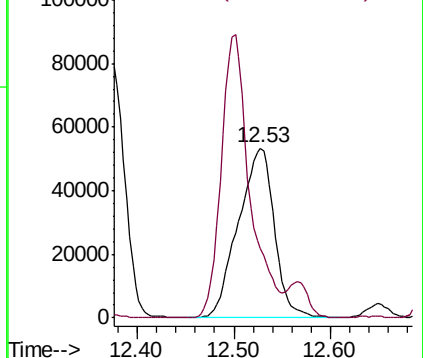
75 100

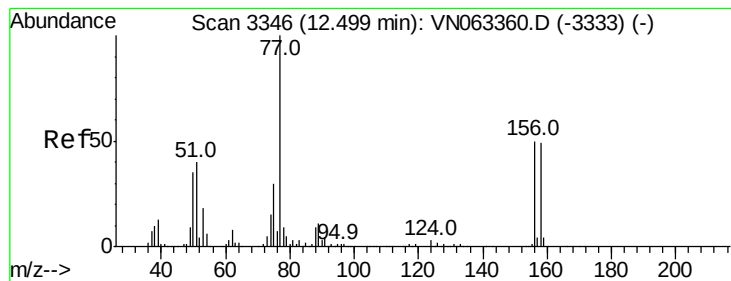
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.620 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0916WBS01

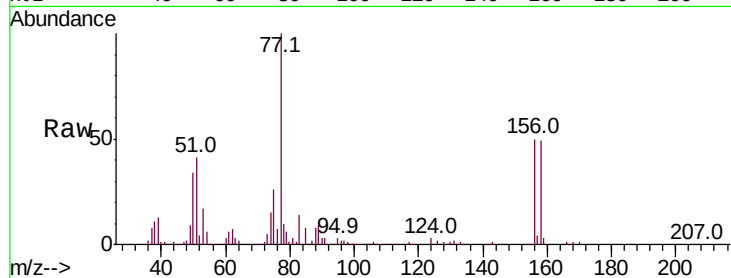
Tot Ion:156 Resp: 77290

Ion Ratio Lower Upper

156 100

77 237.4 120.2 360.6

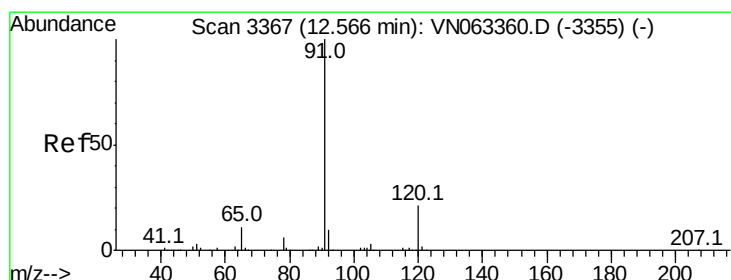
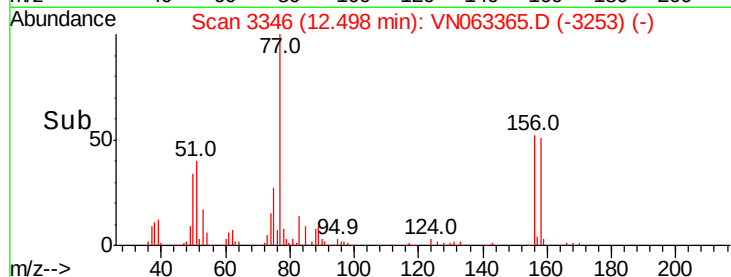
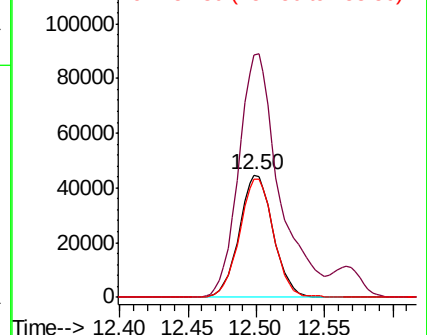
158 96.7 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.150 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063365.D

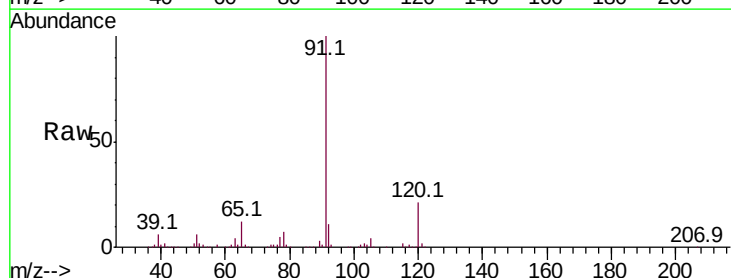
Acq: 16 Sep 2020 15:26

Tgt Ion: 91 Resp: 391481

Ion Ratio Lower Upper

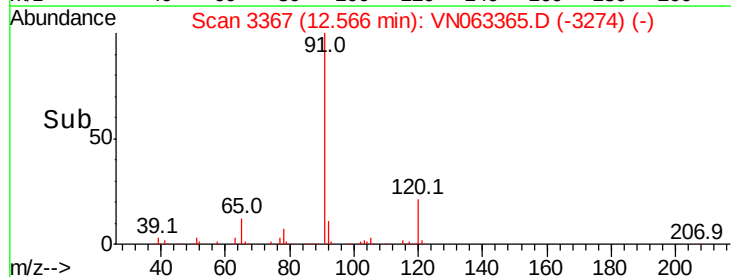
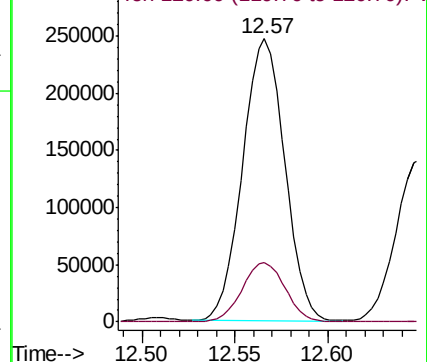
91 100

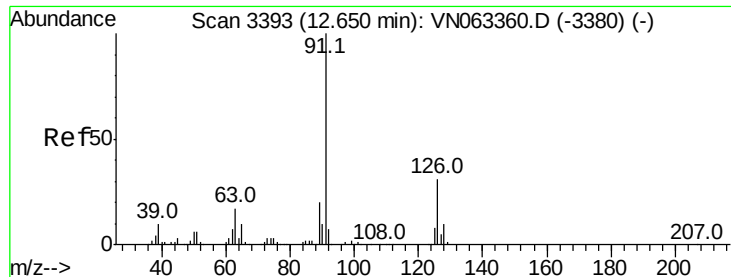
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

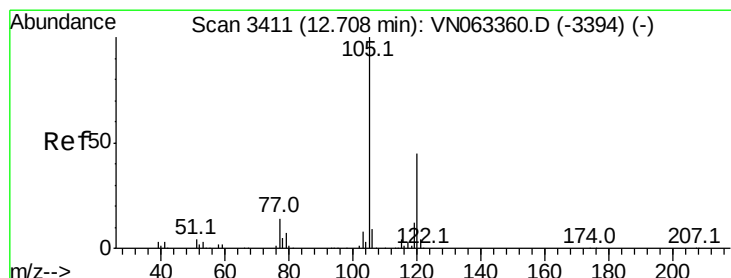
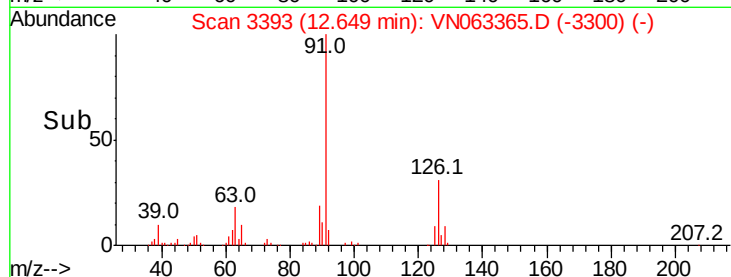
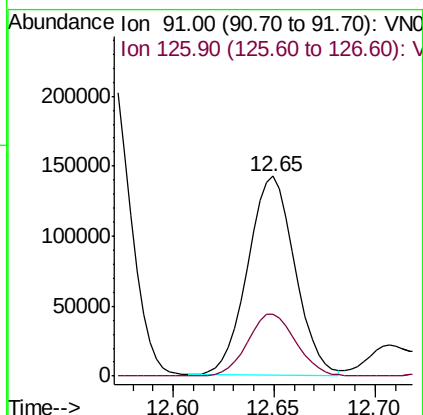
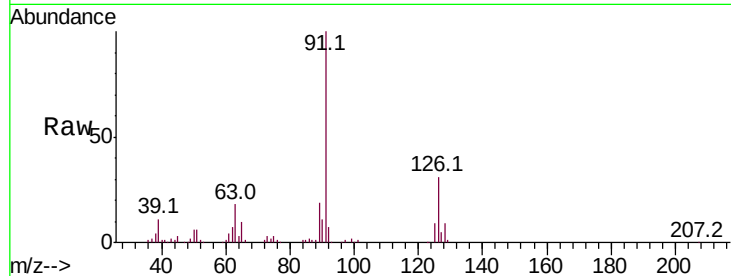




#79
 2-Chlorotoluene
 Concen: 20.914 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

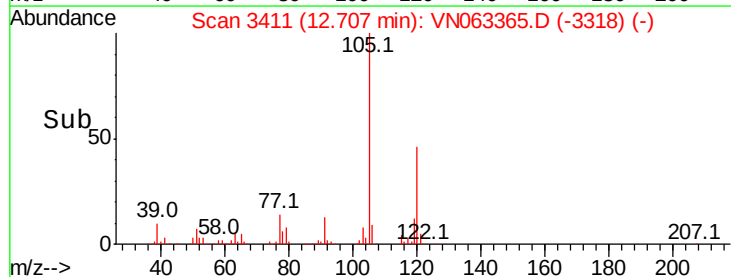
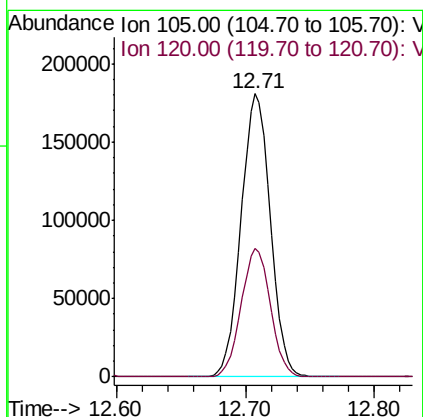
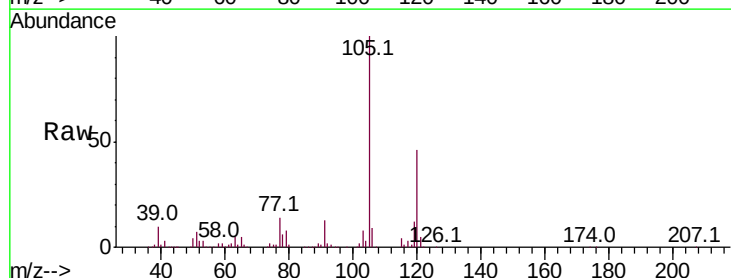
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

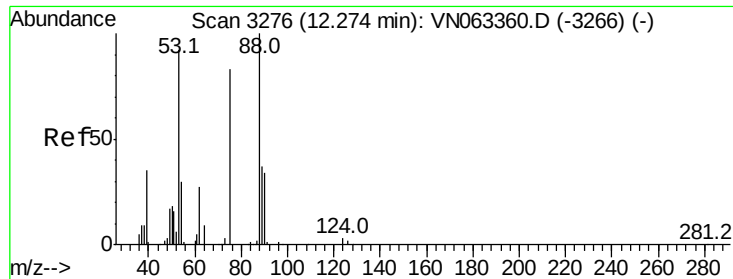
Tot Ion: 91 Resp: 232054
 Ion Ratio Lower Upper
 91 100
 126 32.1 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.574 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

Tgt Ion:105 Resp: 285904
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.432 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0916WBS01

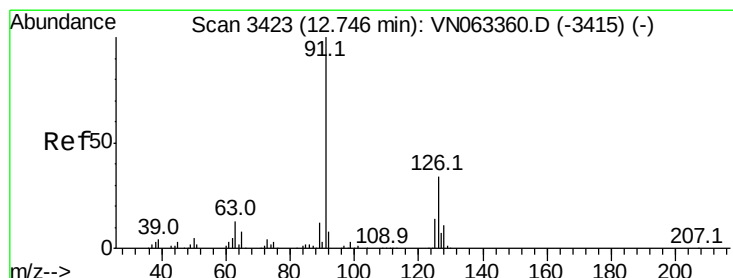
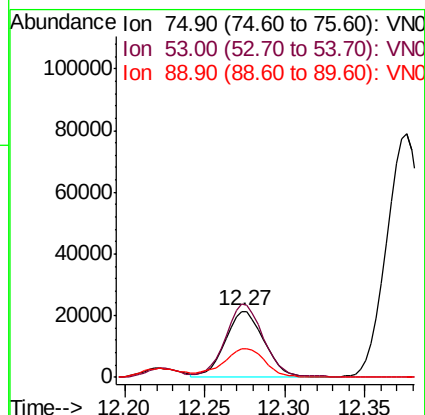
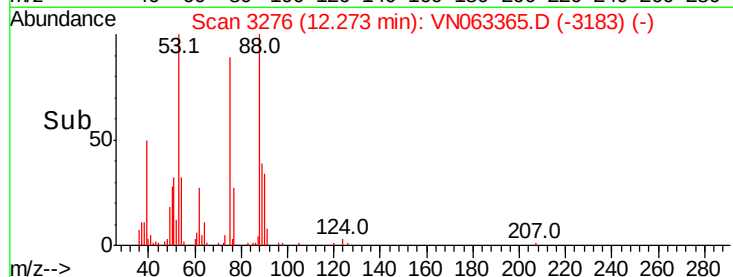
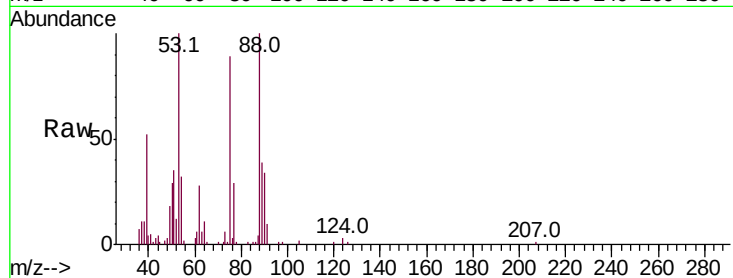
Tot Ion: 75 Resp: 34792

Ion Ratio Lower Upper

75 100

53 107.8 85.7 128.5

89 48.2 38.0 57.0



#82

4-Chlorotoluene

Concen: 20.476 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063365.D

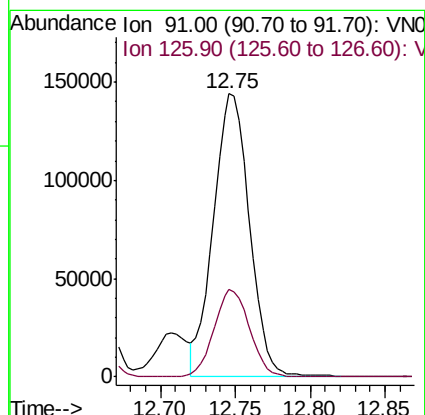
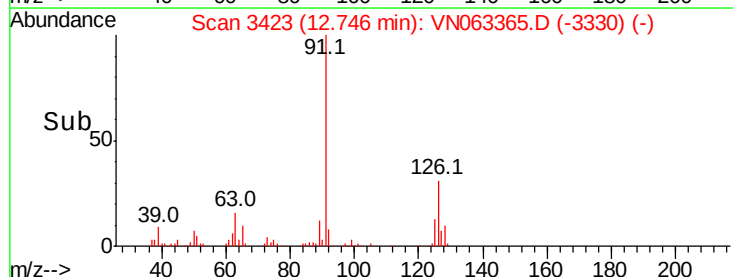
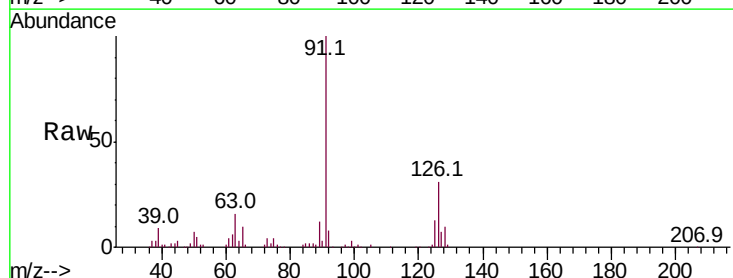
Acq: 16 Sep 2020 15:26

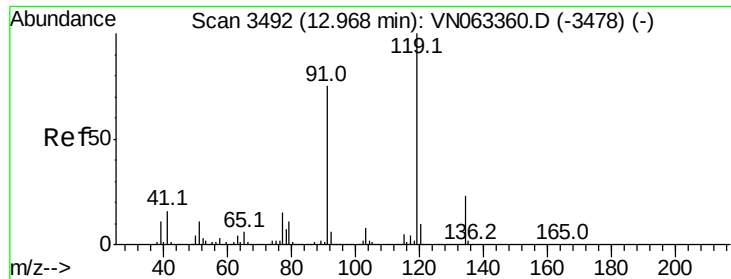
Tgt Ion: 91 Resp: 240050

Ion Ratio Lower Upper

91 100

126 30.9 15.5 46.5





#83

tert-Butylbenzene

Concen: 21.250 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

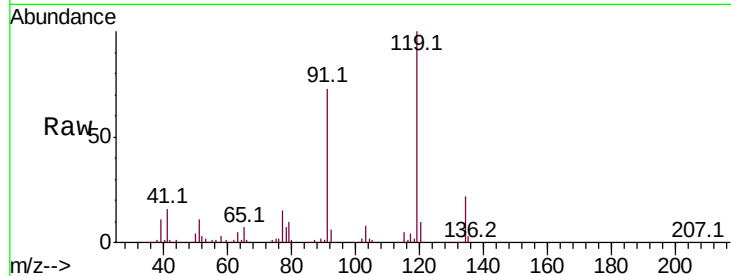
Tot Ion:119 Resp: 232422

Ion Ratio Lower Upper

119 100

91 71.2 36.3 108.9

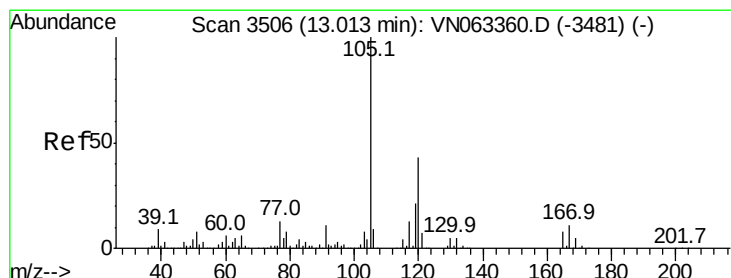
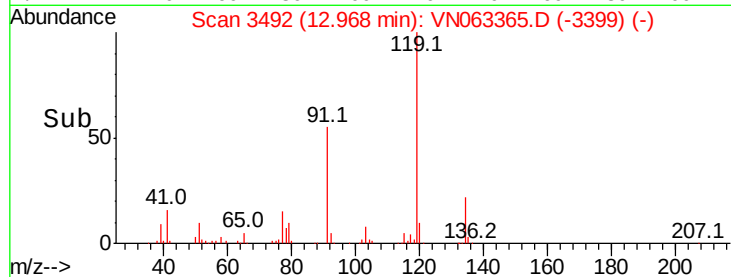
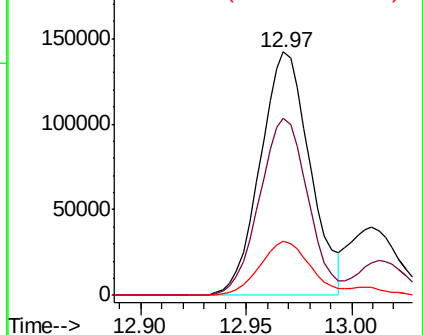
134 22.4 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.036 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN063365.D

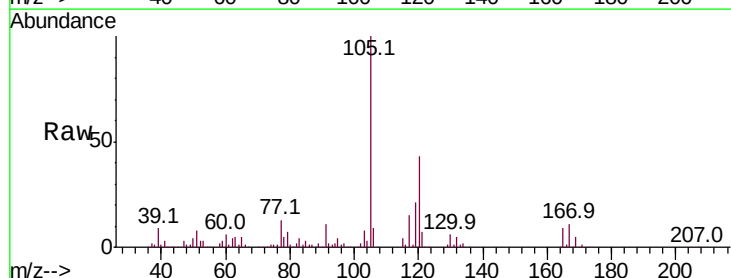
Acq: 16 Sep 2020 15:26

Tgt Ion:105 Resp: 281584

Ion Ratio Lower Upper

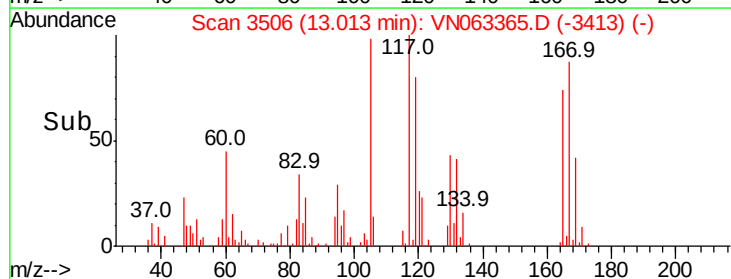
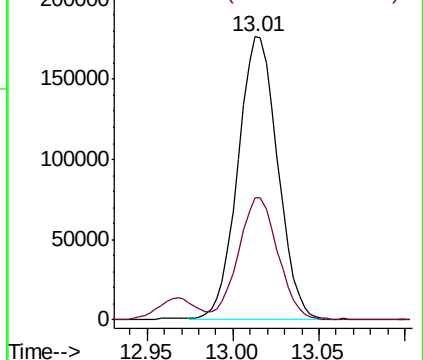
105 100

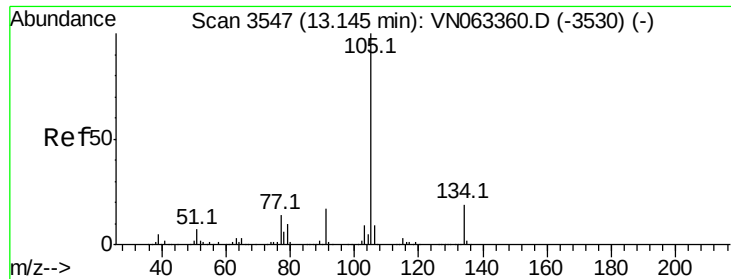
120 43.4 21.3 63.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.147 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

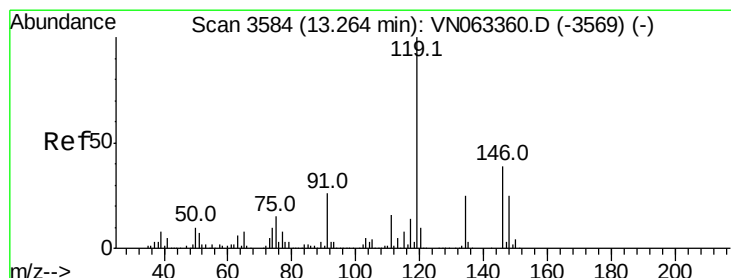
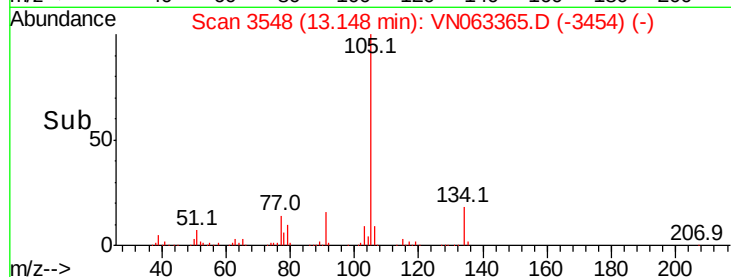
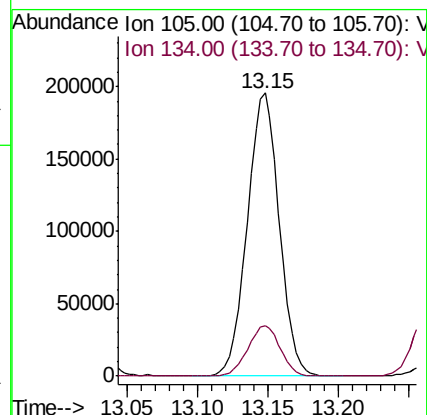
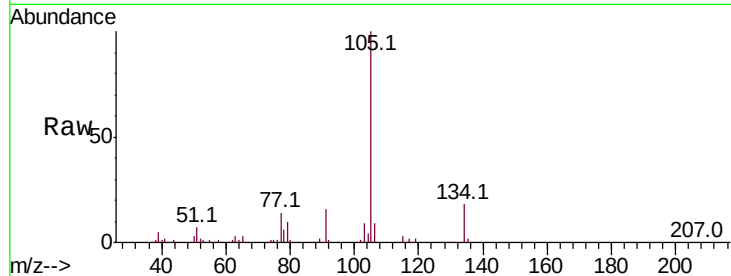
VN0916WBS01

Tot Ion:105 Resp: 309607

Ion Ratio Lower Upper

105 100

134 18.0 9.3 27.7



#86

p-Isopropyltoluene

Concen: 21.173 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

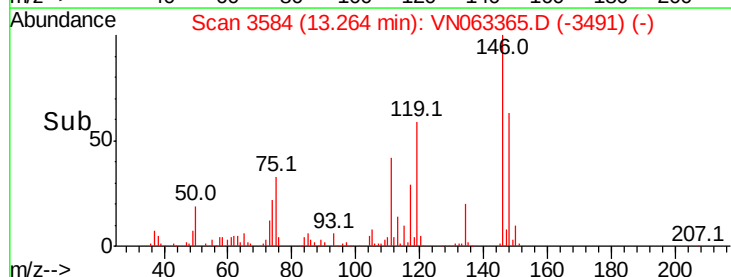
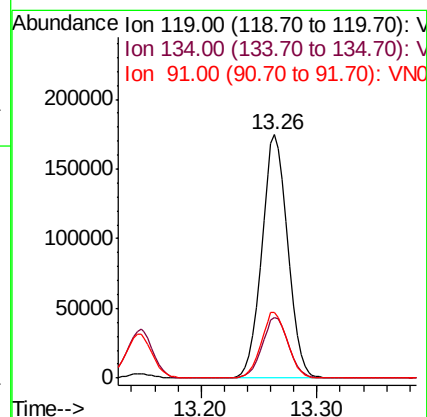
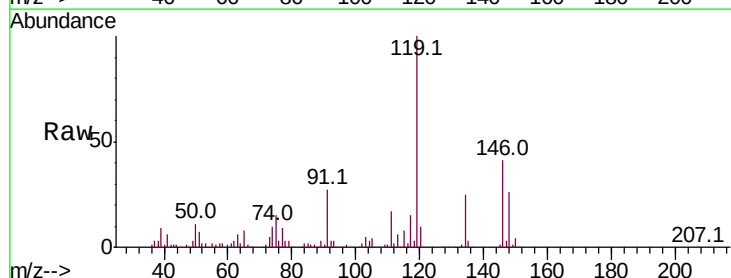
Tgt Ion:119 Resp: 273416

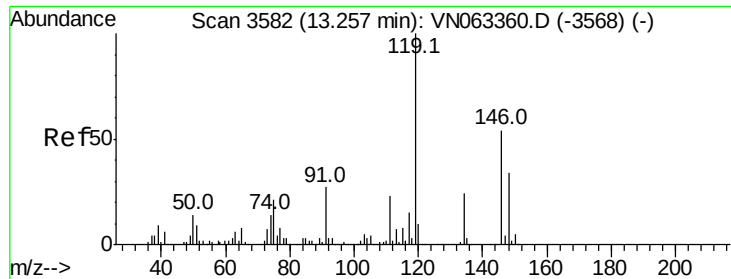
Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

91 27.4 13.4 40.1





#87

1,3-Dichlorobenzene

Concen: 21.257 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

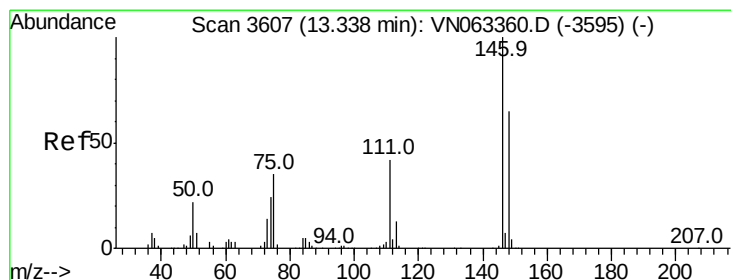
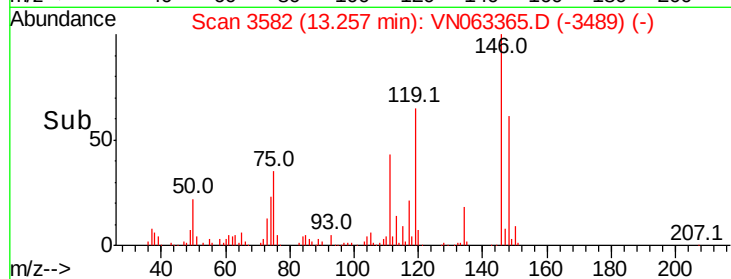
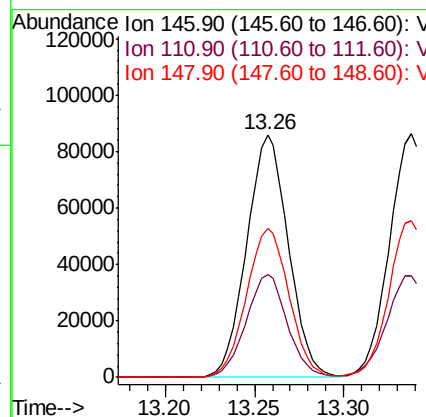
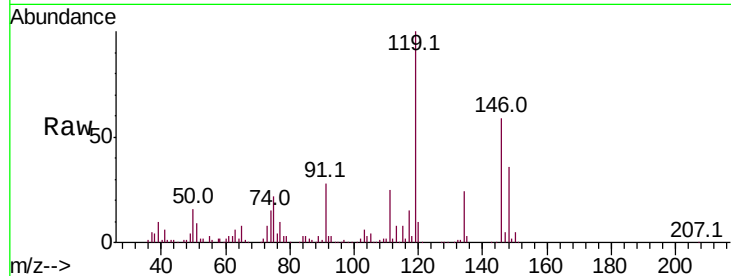
Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

Tot Ion:146 Resp: 140847

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.4	64.3
148	62.6	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 20.772 ug/l

RT: 13.34 min Scan# 3607

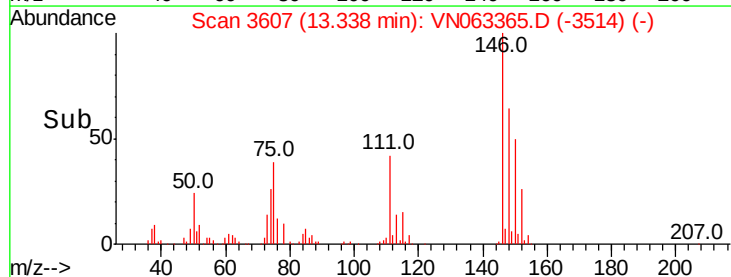
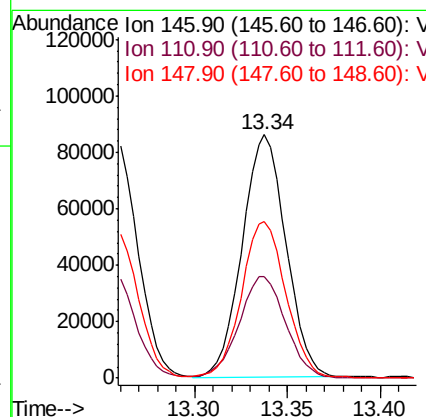
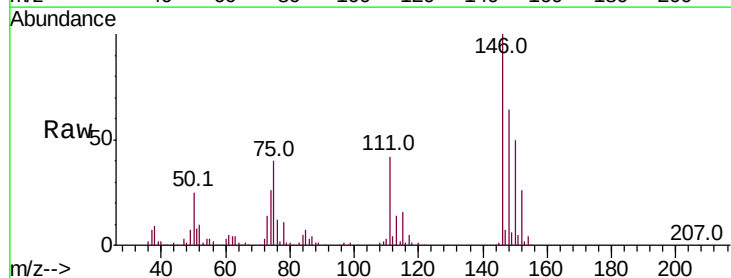
Delta R.T. -0.00 min

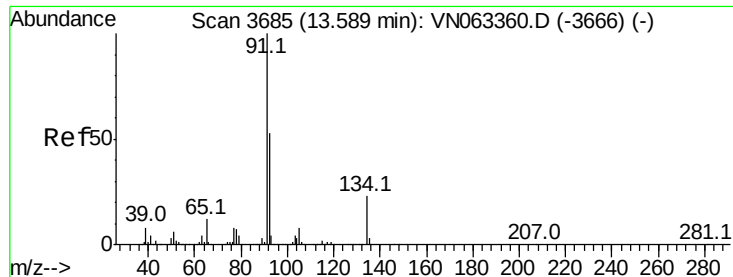
Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Tgt Ion:146 Resp: 139933

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.2	63.6
148	66.2	31.9	95.9

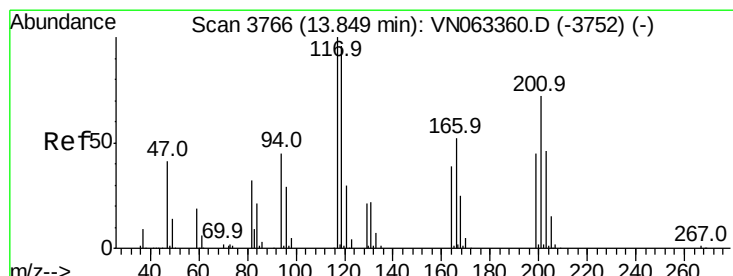
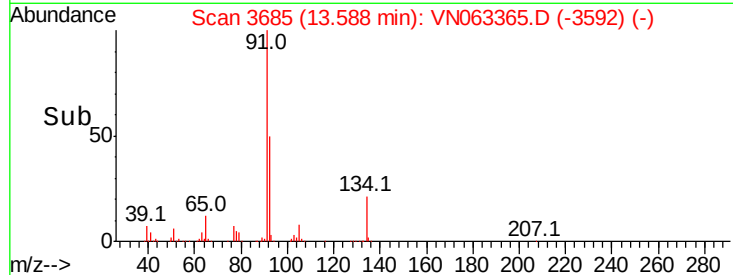
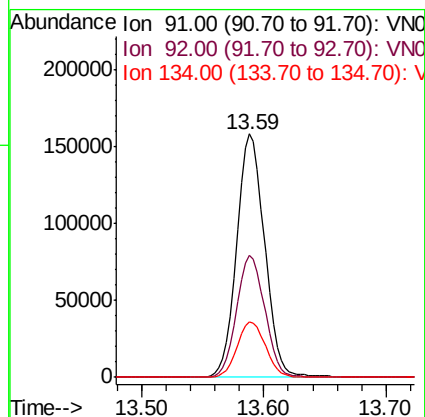
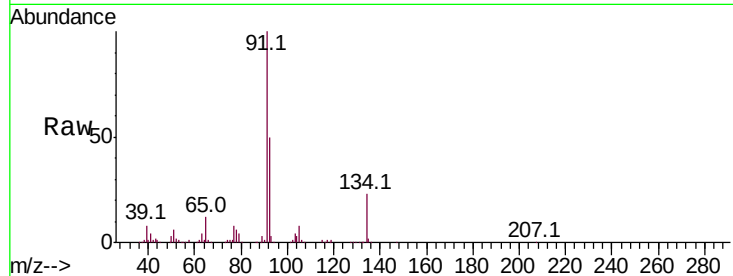




#89
n-Butylbenzene
Concen: 21.112 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

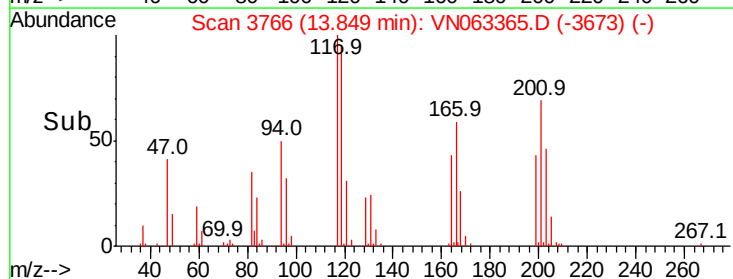
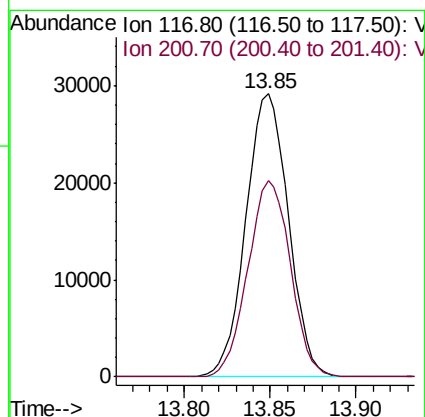
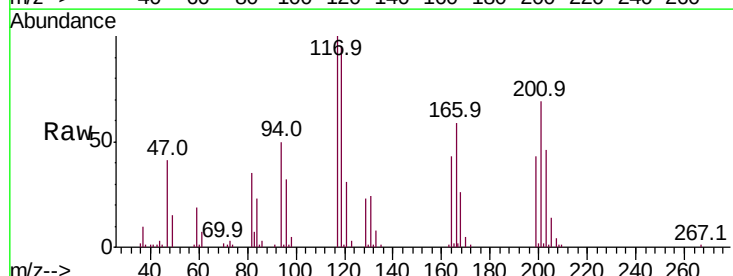
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

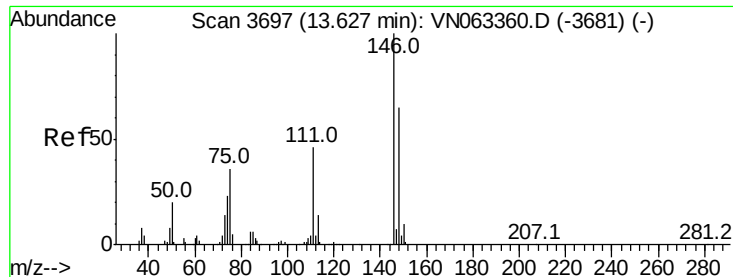
Tot Ion:	91	Resp:	251295
Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.0	78.0
134	23.1	11.7	35.0



#90
Hexachloroethane
Concen: 20.373 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063365.D
Acq: 16 Sep 2020 15:26

Tgt Ion:	117	Resp:	50095
Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.5	106.7

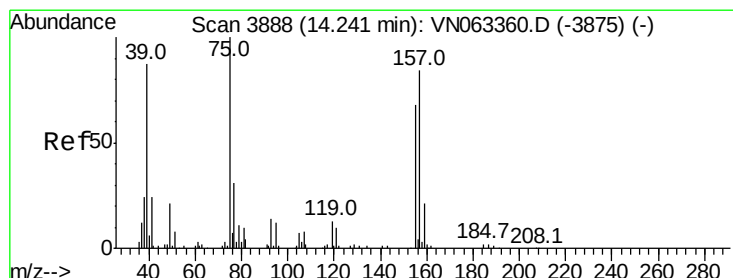
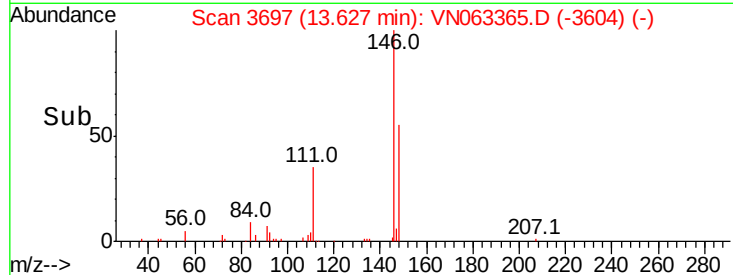
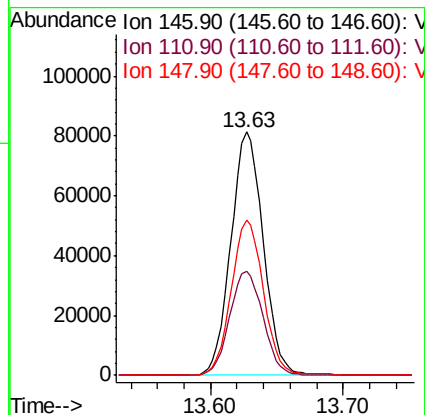
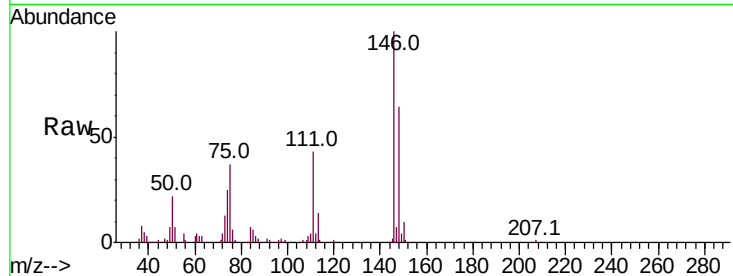




#91
 1,2-Dichlorobenzene
 Concen: 21.229 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

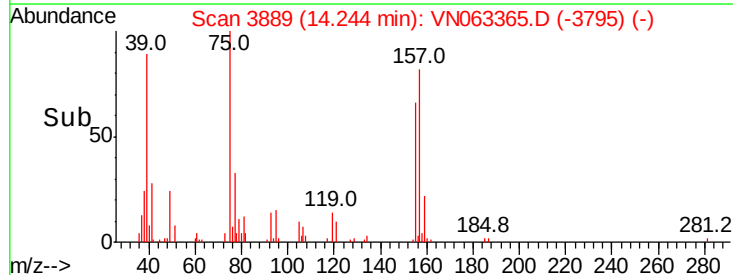
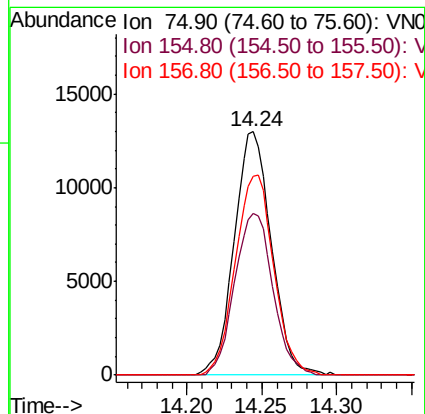
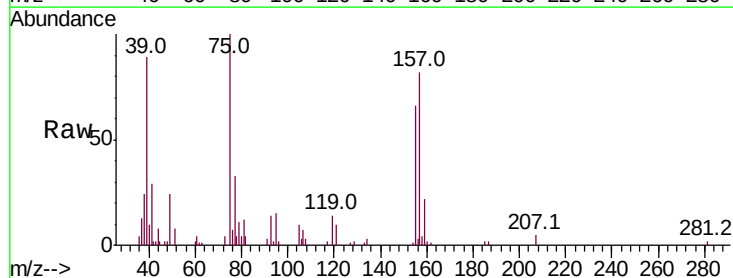
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

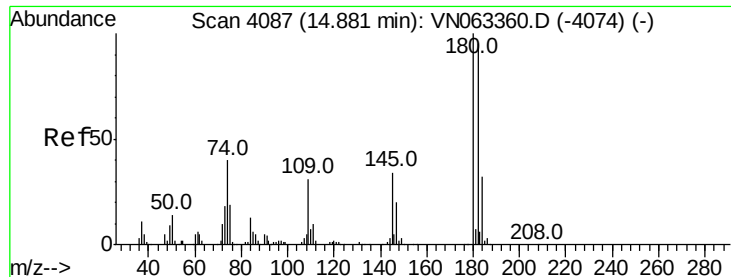
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.4	67.2
148	63.3	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.141 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.3	34.6	103.9
157	85.0	43.7	131.1

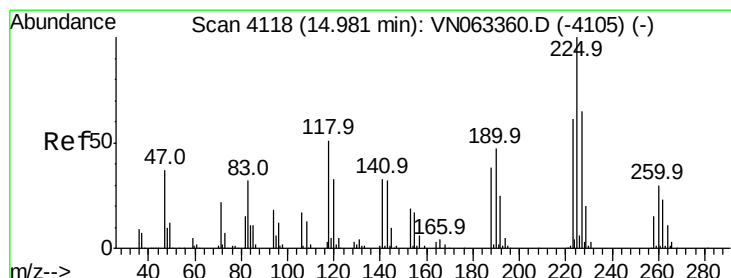
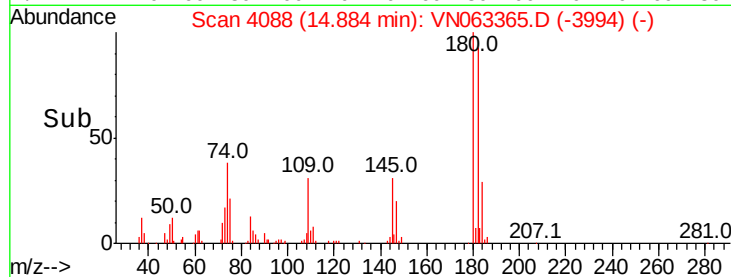
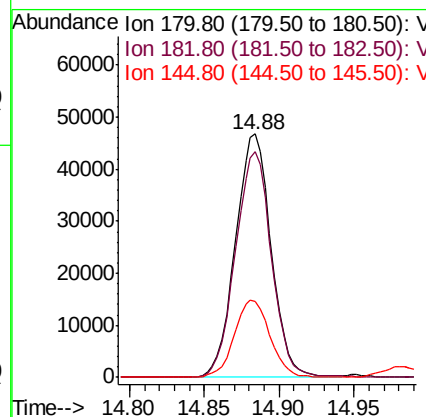
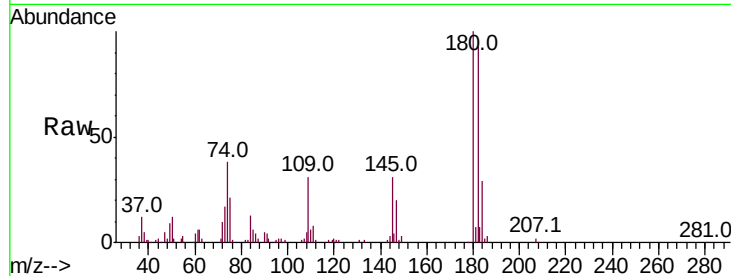




#93
 1,2,4-Trichlorobenzene
 Concen: 20.258 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

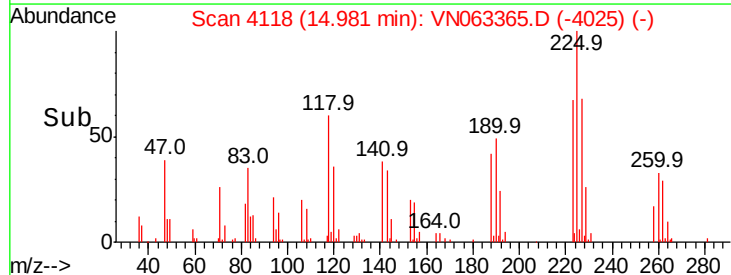
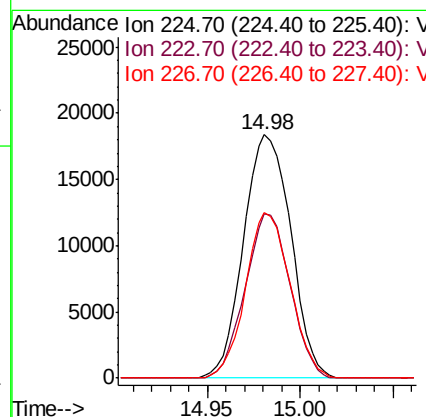
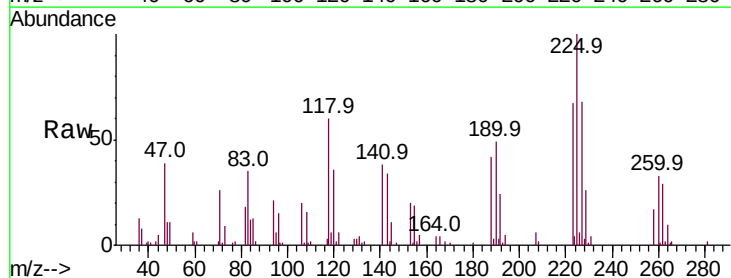
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

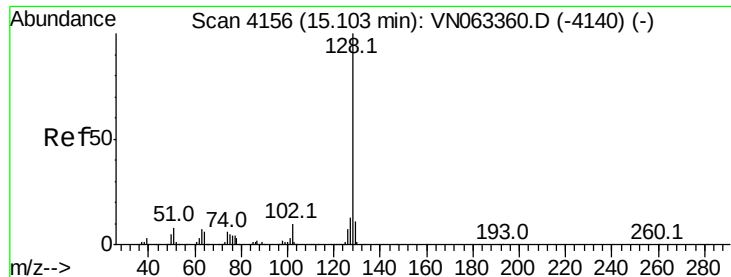
Tot Ion:180 Resp: 77690
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.3 142.0
 145 31.6 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 20.499 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063365.D
 Acq: 16 Sep 2020 15:26

Tgt Ion:225 Resp: 32545
 Ion Ratio Lower Upper
 225 100
 223 64.2 30.6 91.6
 227 64.1 31.2 93.6





#95

Naphthalene

Concen: 20.537 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBS01

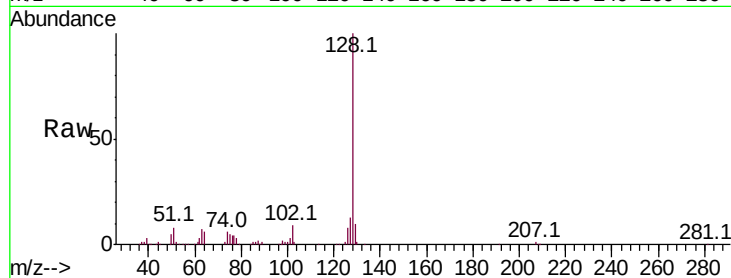
Tot Ion:128 Resp: 260211

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

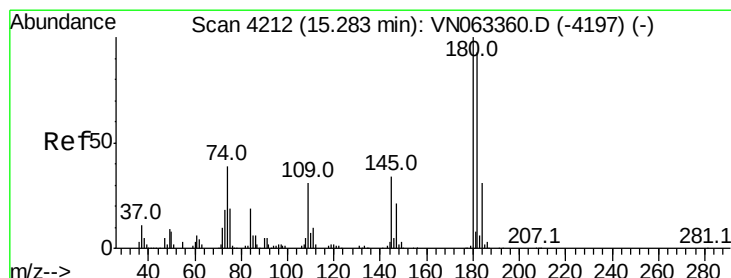
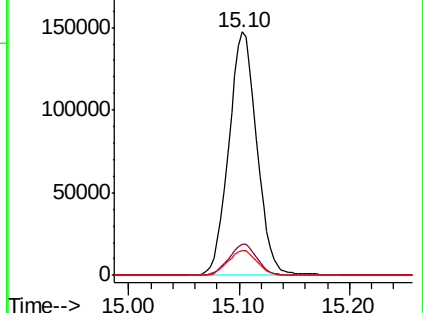
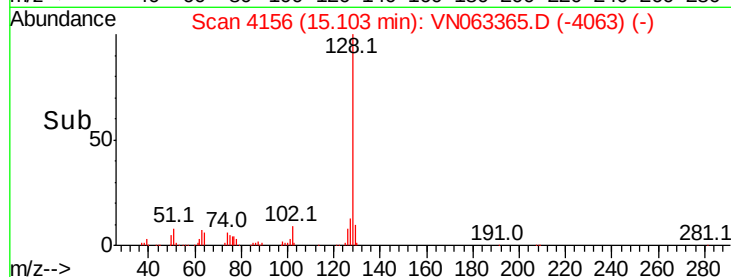
129 10.5 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 19.972 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063365.D

Acq: 16 Sep 2020 15:26

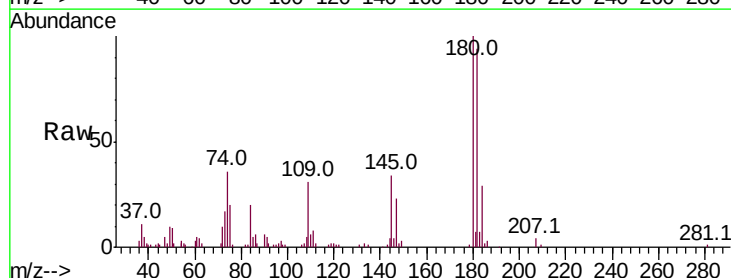
Tgt Ion:180 Resp: 74007

Ion Ratio Lower Upper

180 100

182 94.5 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

