

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057833.D
 Acq On : 10 Sep 2019 4:18
 Operator : JC/SP
 Sample : VN0910WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 07:15:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	317423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	525904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	493117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280256	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	324608	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	7.58	113	230557	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	10.09	98	939992	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	319228	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	86331	19.666	ug/l	100
3) Chloromethane	2.03	50	82337	18.403	ug/l	98
4) Vinyl Chloride	2.16	62	87280	18.432	ug/l	99
5) Bromomethane	2.54	94	53353	19.577	ug/l	98
6) Chloroethane	2.68	64	56467	18.714	ug/l	97
7) Trichlorofluoromethane	2.99	101	114315	19.183	ug/l	98
8) Diethyl Ether	3.39	74	48318	19.440	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71448	19.006	ug/l	100
10) Methyl Iodide	3.93	142	77067	18.423	ug/l	100
11) Tert butyl alcohol	4.77	59	73684	94.693	ug/l #	84
12) 1,1-Dichloroethene	3.72	96	62370	18.453	ug/l	97
13) Acrolein	3.58	56	57503	87.104	ug/l	98
14) Allyl chloride	4.30	41	114834	17.361	ug/l	98
15) Acrylonitrile	4.96	53	209302	97.861	ug/l	99
16) Acetone	3.80	43	172696	81.940	ug/l	96
17) Carbon Disulfide	4.03	76	93427	17.862	ug/l	99
18) Methyl Acetate	4.30	43	114585	20.391	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	275648	19.596	ug/l	99
20) Methylene Chloride	4.53	84	83783	20.147	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	67299	18.419	ug/l	95
22) Diisopropyl ether	5.93	45	300231	19.355	ug/l	96
23) Vinyl Acetate	5.88	43	1062591	96.657	ug/l	98
24) 1,1-Dichloroethane	5.83	63	162899	19.215	ug/l	99
25) 2-Butanone	6.82	43	280296	91.887	ug/l	99
26) 2,2-Dichloropropane	6.81	77	83894	12.505	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	92042	18.797	ug/l	97
28) Bromochloromethane	7.18	49	81336	19.204	ug/l	98
29) Tetrahydrofuran	7.20	42	186151	99.033	ug/l	98
30) Chloroform	7.36	83	168723	19.034	ug/l	97
31) Cyclohexane	7.64	56	118308	19.096	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	130347	18.541	ug/l	99
36) 1,1-Dichloropropene	7.78	75	110012	18.037	ug/l	97
37) Ethyl Acetate	6.91	43	116910	18.553	ug/l	99
38) Carbon Tetrachloride	7.76	117	101432	18.215	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	111470	17.386	ug/l	98
40) Benzene	8.03	78	345581	18.820	ug/l	98
41) Methacrylonitrile	7.16	41	56246	19.663	ug/l	97
42) 1,2-Dichloroethane	8.11	62	137933	18.782	ug/l	100
43) Isopropyl Acetate	8.15	43	194017	18.309	ug/l #	91
44) Trichloroethene	8.83	130	82855	18.397	ug/l	100
45) 1,2-Dichloropropane	9.11	63	101019	18.906	ug/l	100
46) Dibromomethane	9.20	93	61921	19.178	ug/l	100
47) Bromodichloromethane	9.40	83	119129	18.477	ug/l	98
48) Methyl methacrylate	9.19	41	99138	18.442	ug/l	99
49) 1,4-Dioxane	9.19	88	34104	375.161	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	630663	100.568	ug/l	98
52) Toluene	10.15	92	218174	18.865	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	117233	17.267	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	134286	17.914	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	92858	18.955	ug/l	97
56) Ethyl methacrylate	10.43	69	137020	18.573	ug/l	99
57) 1,3-Dichloropropane	10.71	76	161484	19.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	334590	96.295	ug/l	99
59) 2-Hexanone	10.75	43	444663	94.602	ug/l	100
60) Dibromochloromethane	10.90	129	83531	18.362	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87341	18.858	ug/l	99
64) Tetrachloroethene	10.63	164	69172	18.998	ug/l	98
65) Chlorobenzene	11.43	112	239729	18.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82437	18.409	ug/l	97
67) Ethyl Benzene	11.51	91	429262	18.980	ug/l	98
68) m/p-Xylenes	11.62	106	309031	37.302	ug/l	98
69) o-Xylene	11.95	106	154999	18.819	ug/l	98
70) Styrene	11.97	104	268222	18.923	ug/l	99
71) Bromoform	12.13	173	47905	17.159	ug/l #	98
73) Isopropylbenzene	12.25	105	433716	19.944	ug/l	99
74) N-amyl acetate	12.07	43	177379	18.742	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	141162	19.279	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	162456	25.624	ug/l #	100
77) Bromobenzene	12.53	156	101514	18.723	ug/l	96
78) n-propylbenzene	12.60	91	494625	19.807	ug/l	100
79) 2-Chlorotoluene	12.68	91	298475	18.911	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	363111	19.761	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27265	15.134	ug/l	92
82) 4-Chlorotoluene	12.78	91	307908	18.997	ug/l	100
83) tert-Butylbenzene	13.00	119	315056	19.289	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	364769	19.532	ug/l	100
85) sec-Butylbenzene	13.17	105	423161	19.547	ug/l	99
86) p-Isopropyltoluene	13.29	119	377489	19.790	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	182668	18.355	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	182640	18.080	ug/l	99
89) n-Butylbenzene	13.62	91	334184	18.552	ug/l	100
90) Hexachloroethane	13.88	117	51706	18.227	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	186201	18.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22037	18.224	ug/l	98

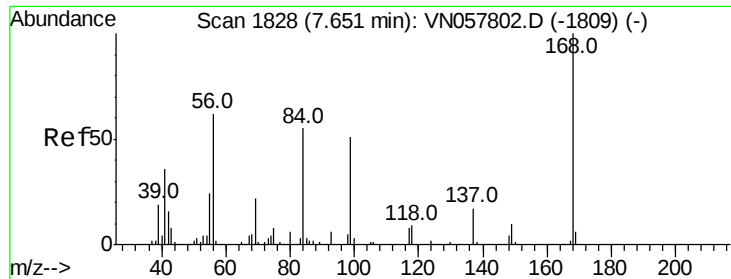
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	109290	16.817	ug/l	99
94) Hexachlorobutadiene	15.01	225	47977	17.416	ug/l	98
95) Naphthalene	15.13	128	319682	18.495	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105345	19.196	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

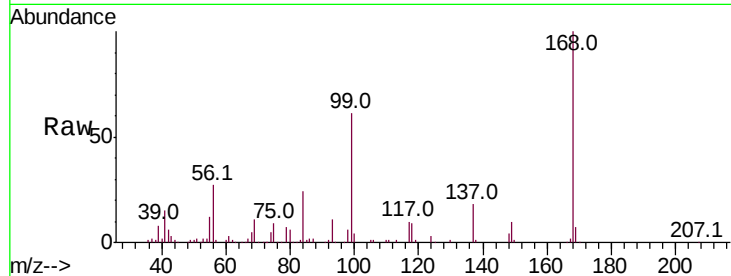
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 317423

Ion Ratio Lower Upper

168 100

99 60.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

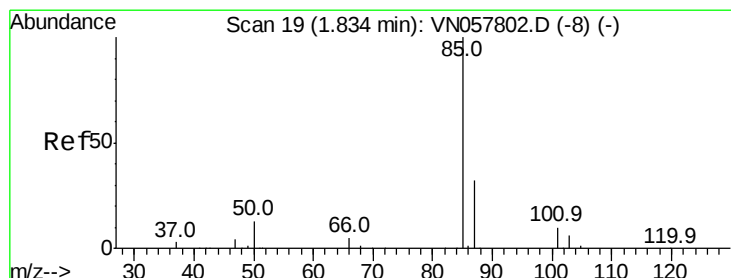
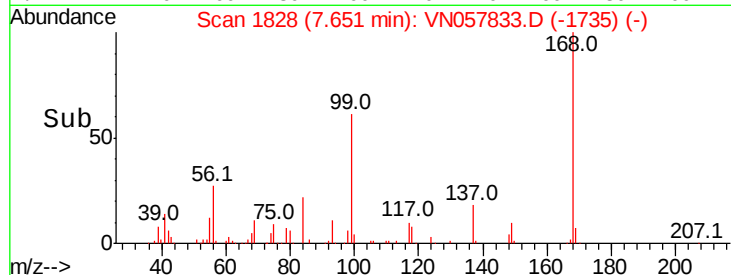
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.666 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057833.D

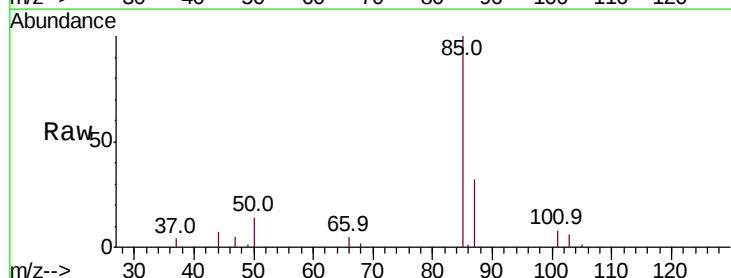
Acq: 10 Sep 2019 4:18

Tgt Ion: 85 Resp: 86331

Ion Ratio Lower Upper

85 100

87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

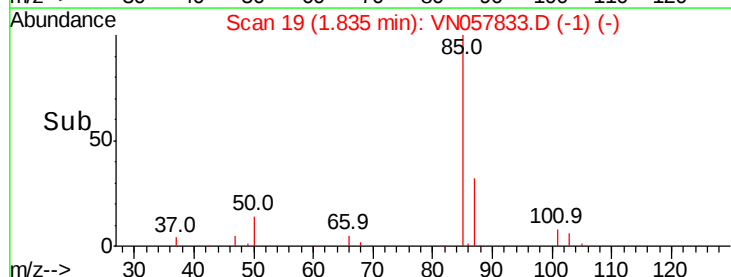
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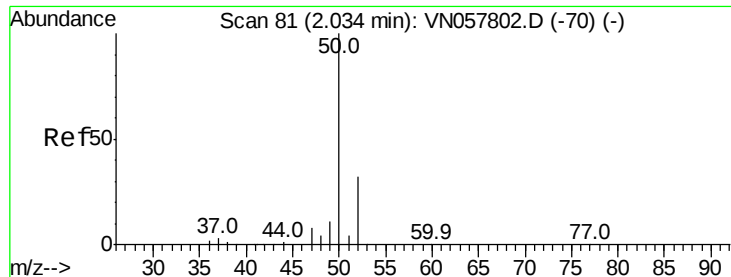
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.403 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

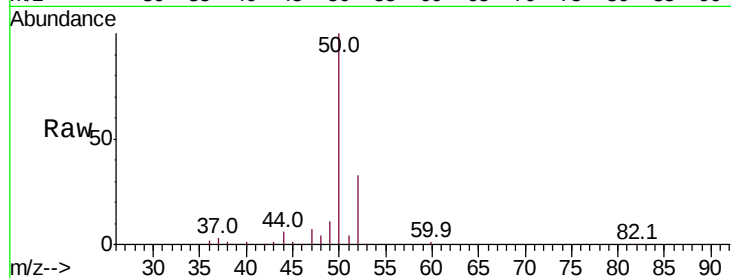
ClientSampleId :

Tot Ion: 50 Resp: 82337

Ion Ratio Lower Upper

50 100

52 33.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057833.D (-1) (-)

2.03

60000

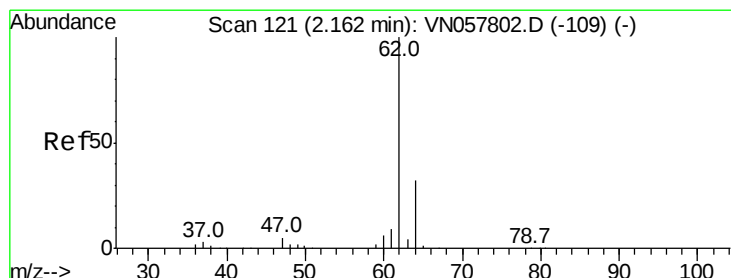
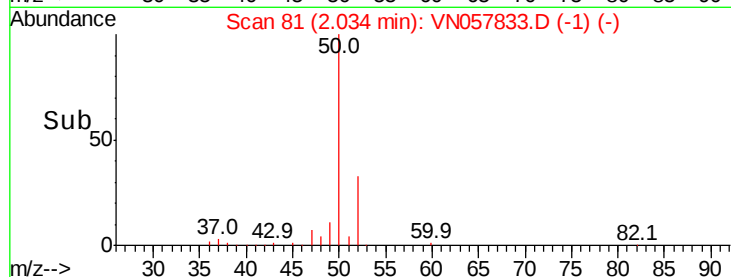
40000

20000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 18.432 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057833.D

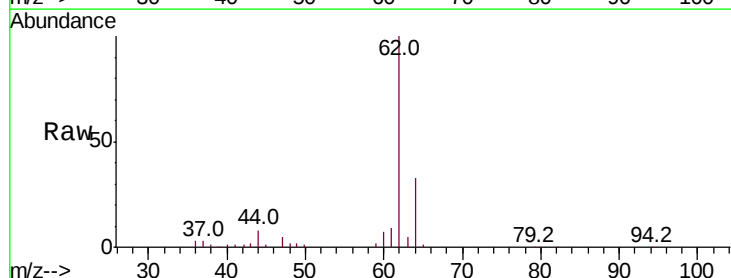
Acq: 10 Sep 2019 4:18

Tgt Ion: 62 Resp: 87280

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN057802.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN057833.D (-28) (-)

2.16

60000

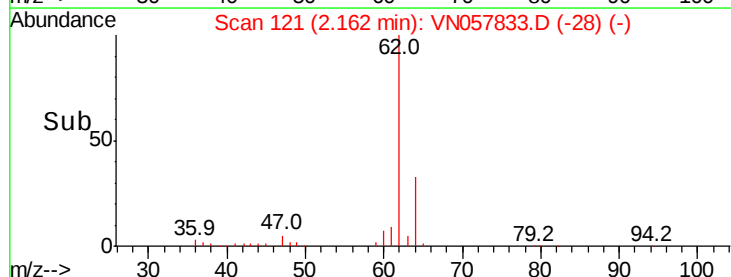
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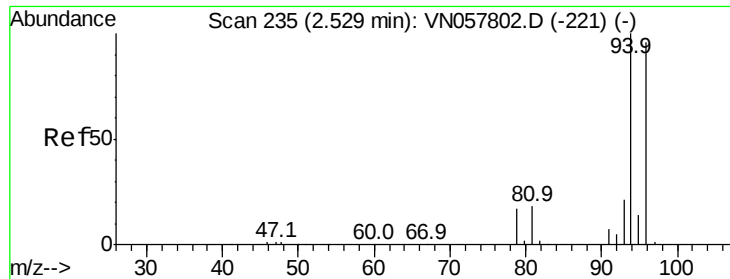
20000

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Time-->

2.10 2.15 2.20 2.25

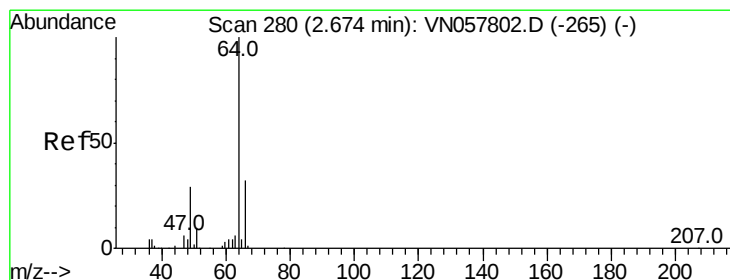
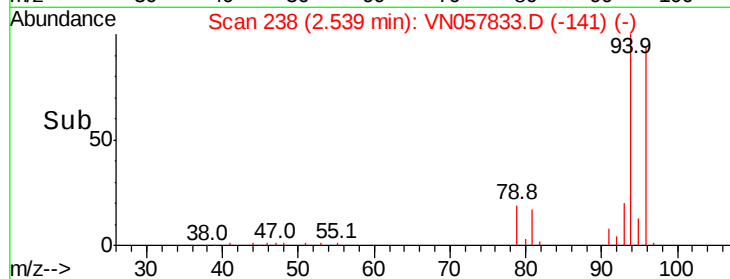
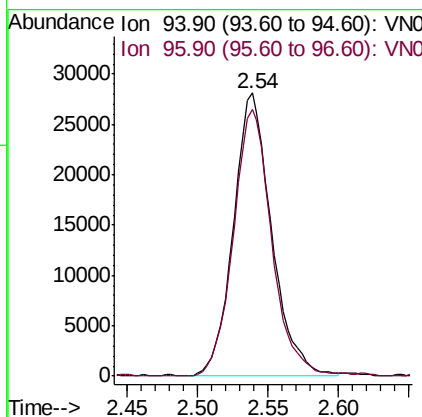
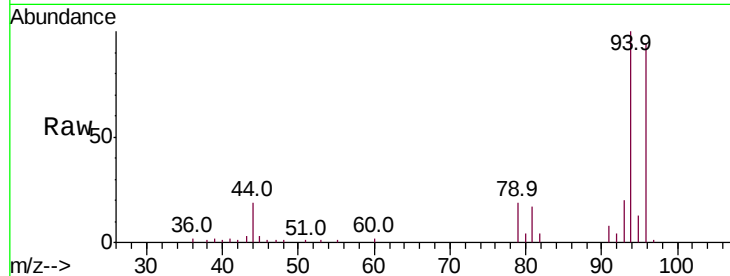




#5
Bromomethane
Concen: 19.577 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.01 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

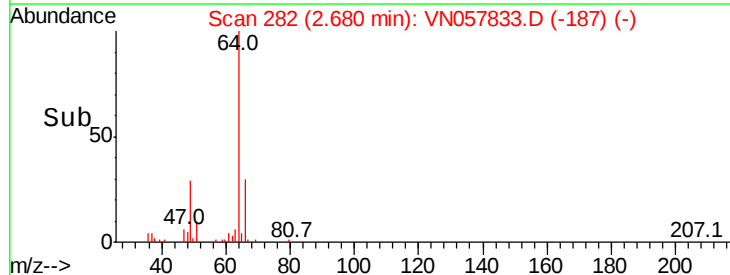
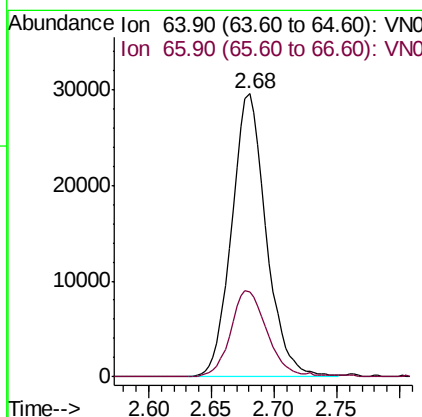
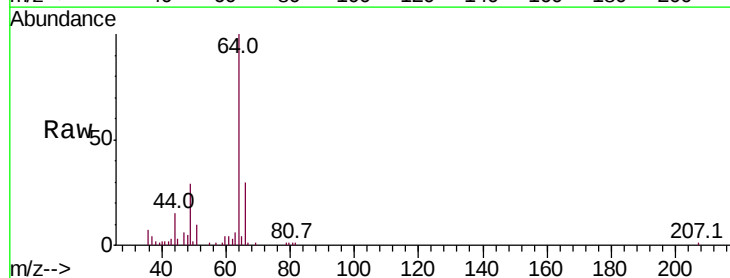
Instrument :
MSVOA_N
ClientSampled :

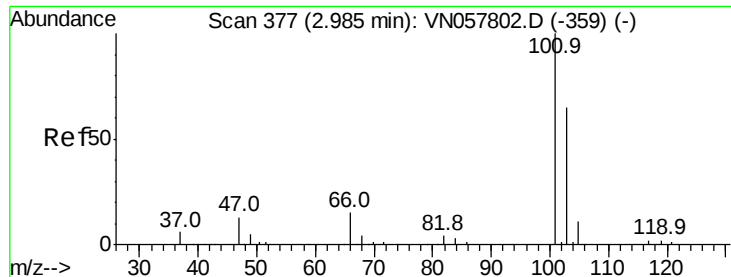
Tot Ion: 94 Resp: 53353
Ion Ratio Lower Upper
94 100
96 94.4 77.0 115.4



#6
Chloroethane
Concen: 18.714 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.01 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion: 64 Resp: 56467
Ion Ratio Lower Upper
64 100
66 30.1 25.5 38.3



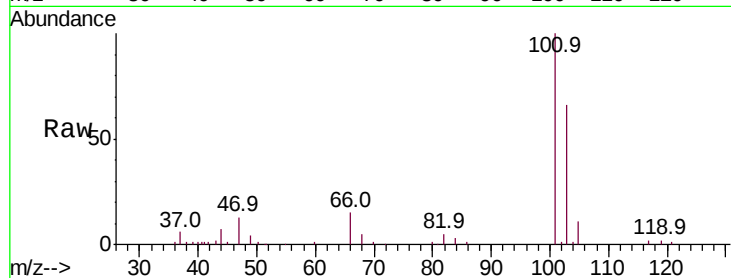


#7

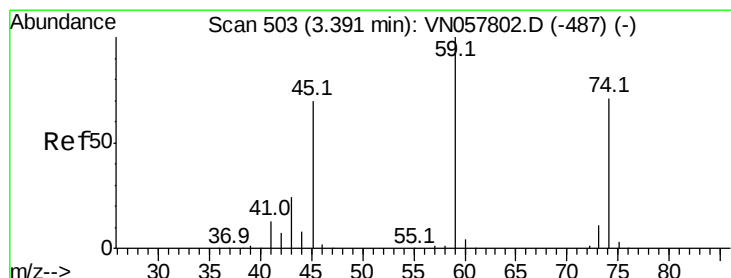
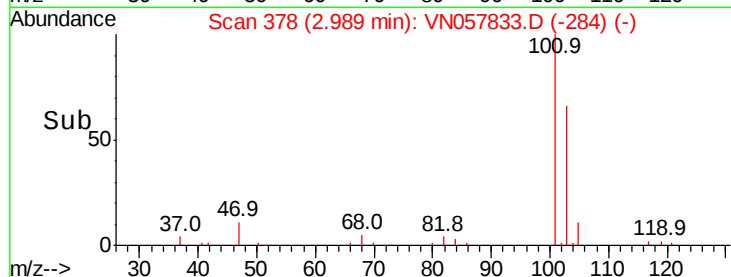
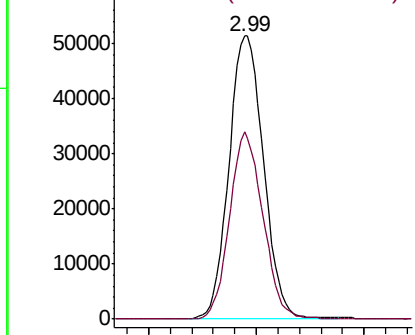
Trichlorofluoromethane
Concen: 19.183 ug/l
RT: 2.99 min Scan# 378
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 114315
Ion Ratio Lower Upper
101 100
103 66.2 51.9 77.9



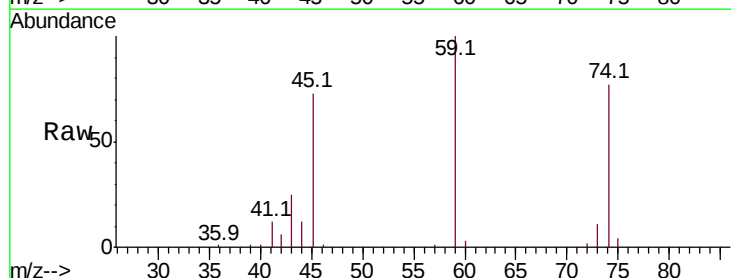
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



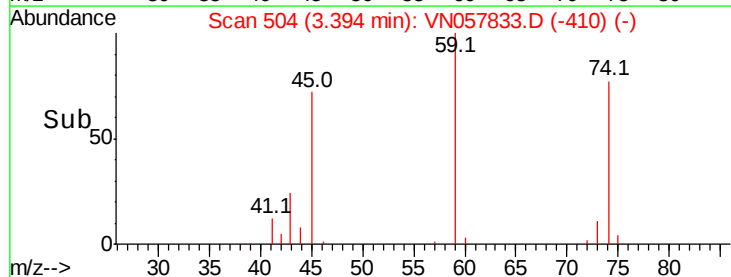
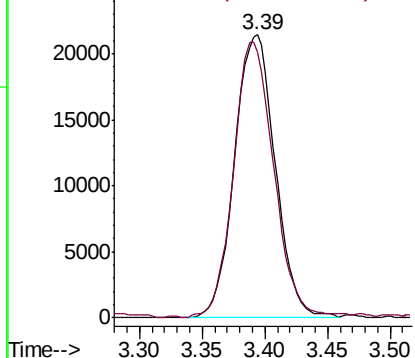
#8

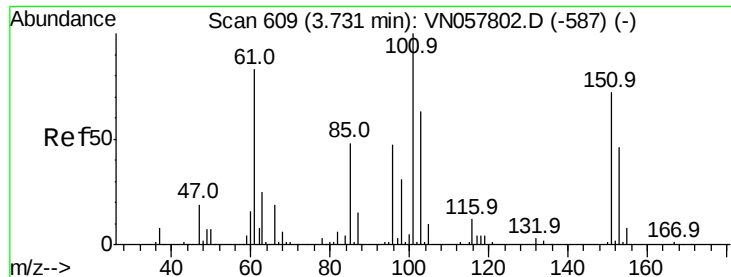
Diethyl Ether
Concen: 19.440 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion: 74 Resp: 48318
Ion Ratio Lower Upper
74 100
45 96.9 50.3 151.0



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.006 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

ClientSampleId :

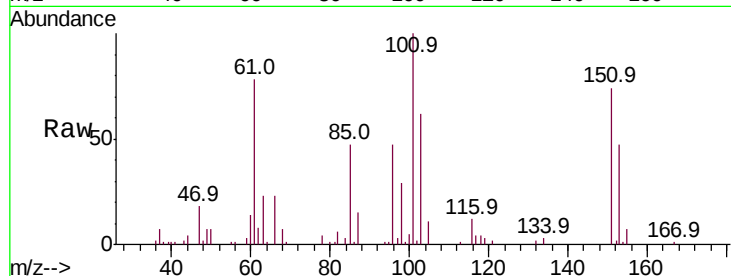
Tot Ion:101 Resp: 71448

Ion Ratio Lower Upper

101 100

85 47.3 38.1 57.1

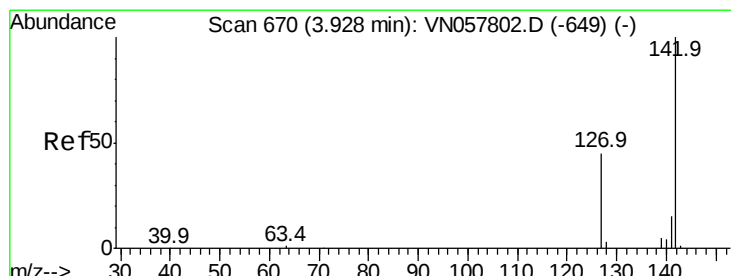
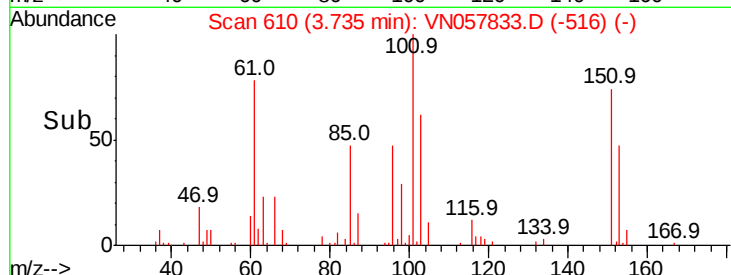
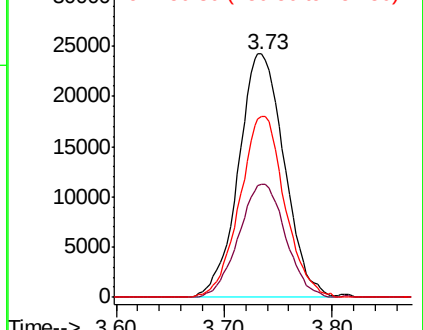
151 72.9 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.423 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

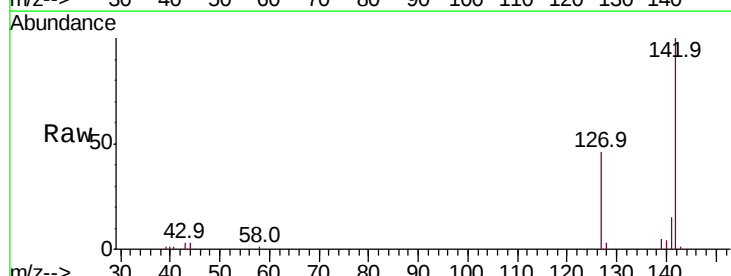
Tgt Ion:142 Resp: 77067

Ion Ratio Lower Upper

142 100

127 45.7 36.7 55.1

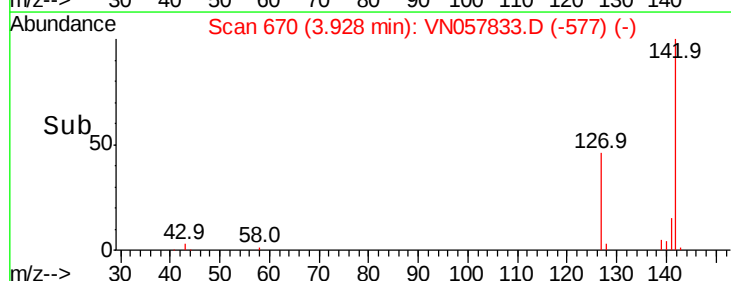
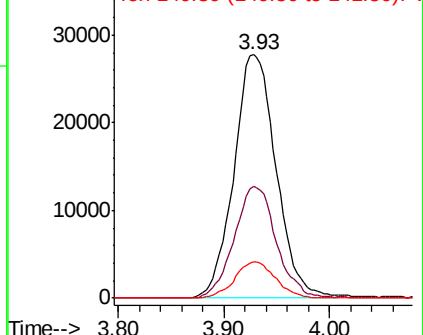
141 14.4 11.4 17.0

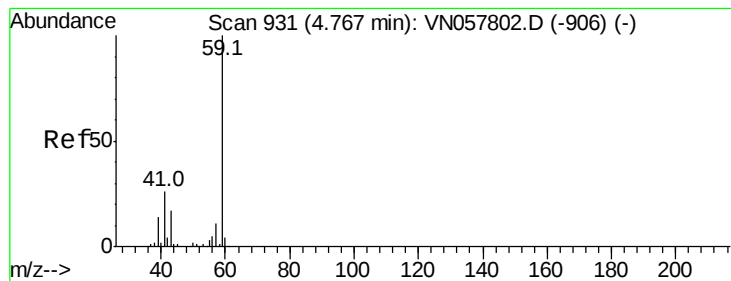


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



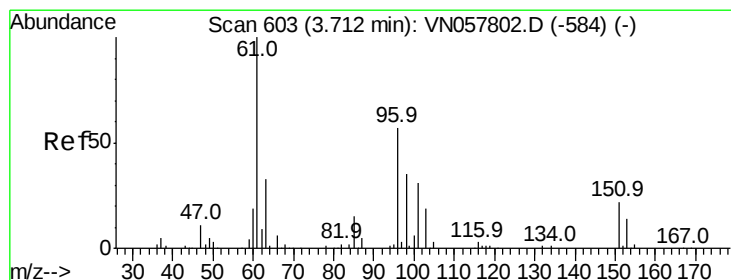
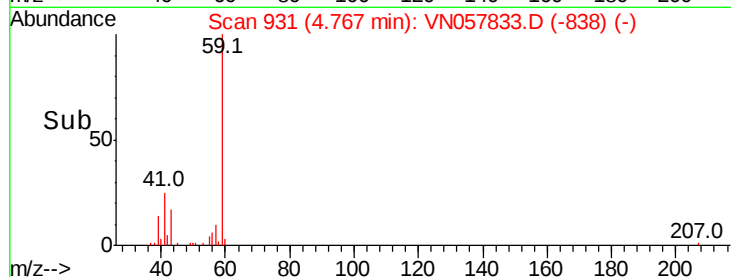
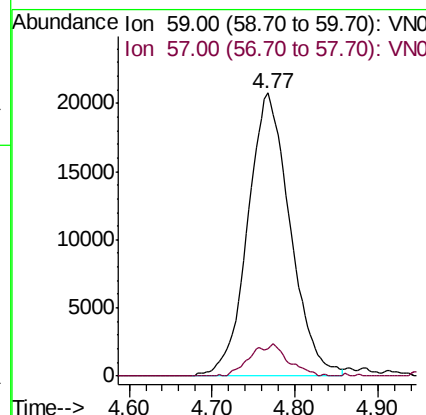
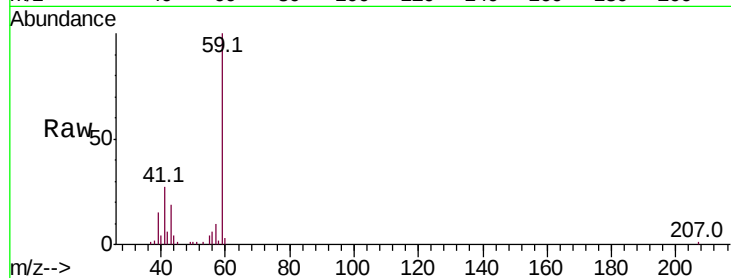


#11

Tert butyl alcohol
 Concen: 94.693 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Instrument :
 MSVOA_N
 ClientSampleId :

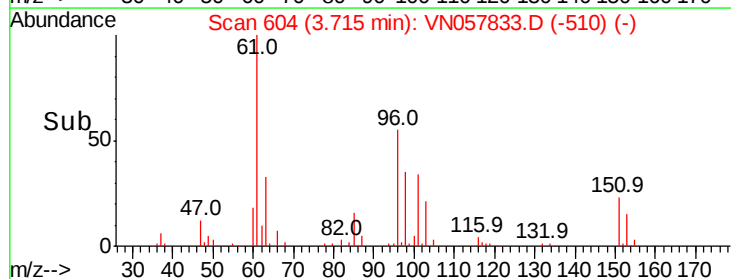
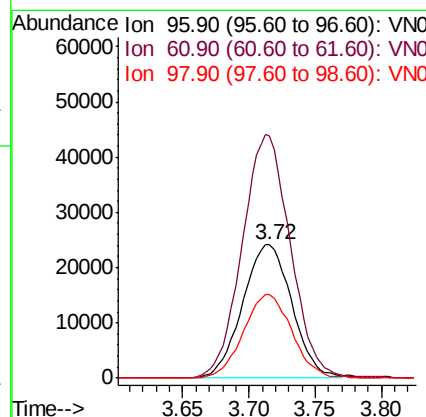
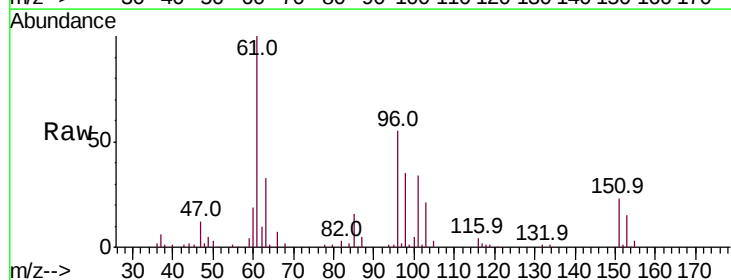
Tot Ion: 59 Resp: 73684
 Ion Ratio Lower Upper
 59 100
 57 4.4 8.4 12.6#

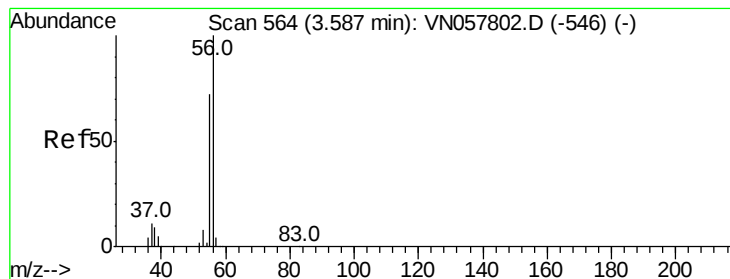


#12

1,1-Dichloroethene
 Concen: 18.453 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Tgt Ion: 96 Resp: 62370
 Ion Ratio Lower Upper
 96 100
 61 182.0 141.2 211.8
 98 63.1 49.9 74.9





#13

Acrolein

Concen: 87.104 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

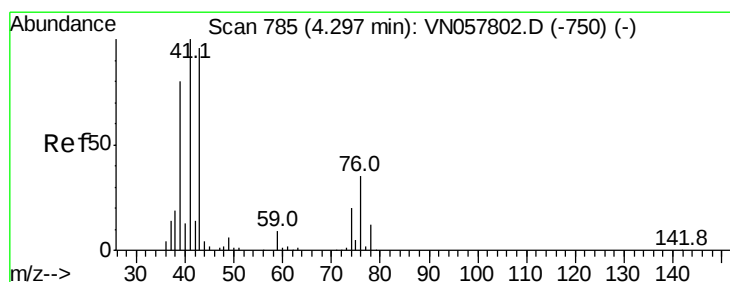
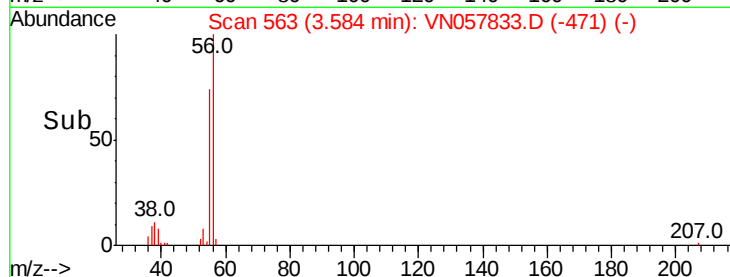
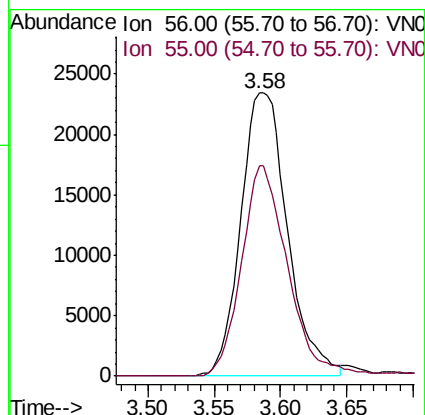
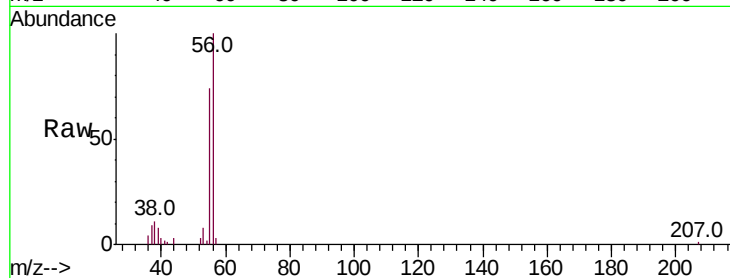
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 57503

Ion Ratio Lower Upper

56 100

55 73.5 57.3 85.9



#14

Allyl chloride

Concen: 17.361 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

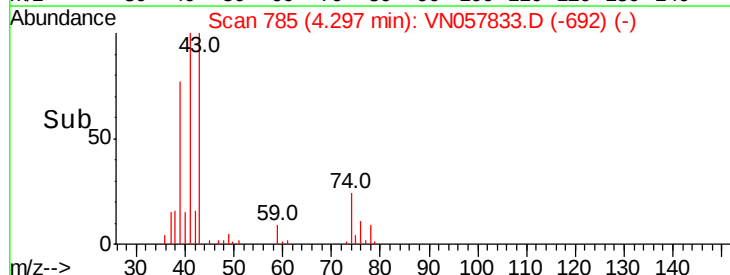
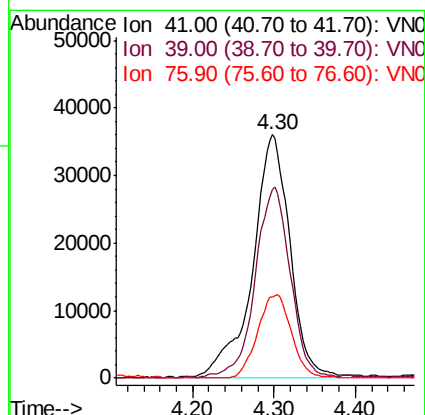
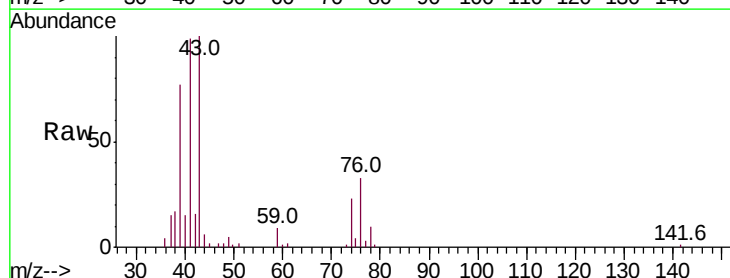
Tgt Ion: 41 Resp: 114834

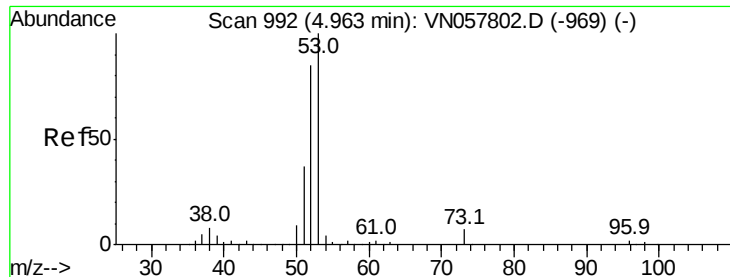
Ion Ratio Lower Upper

41 100

39 73.3 59.4 89.2

76 30.7 26.0 39.0





#15

Acrylonitrile

Concen: 97.861 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampled :

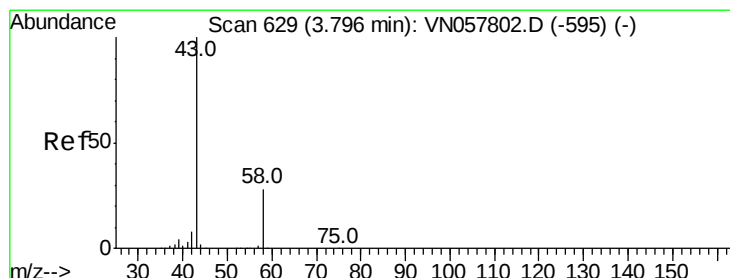
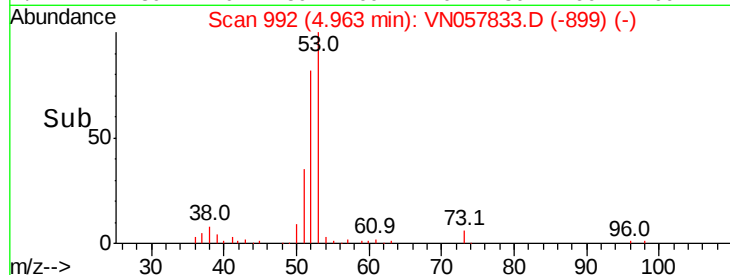
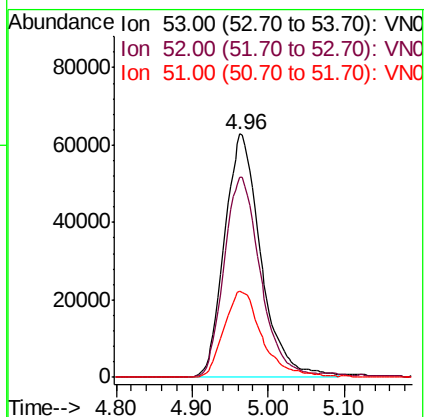
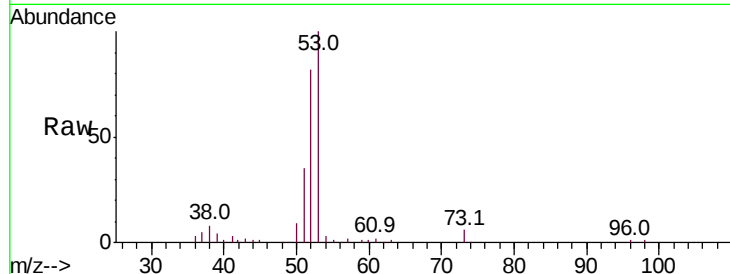
Tot Ion: 53 Resp: 209302

Ion Ratio Lower Upper

53 100

52 82.4 66.6 100.0

51 37.2 29.8 44.8



#16

Acetone

Concen: 81.940 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057833.D

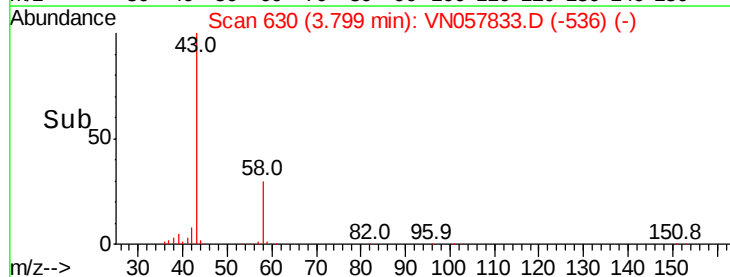
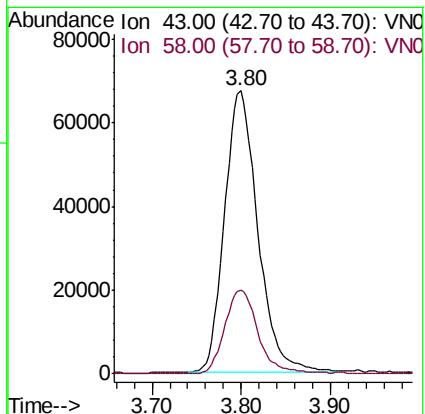
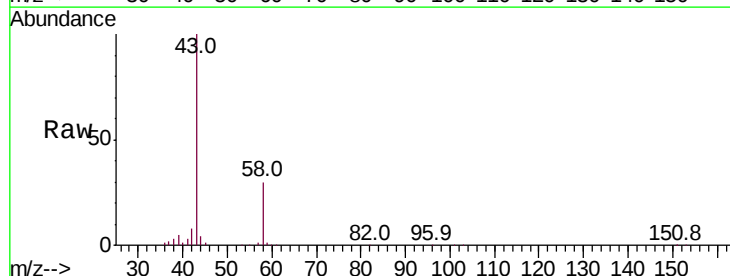
Acq: 10 Sep 2019 4:18

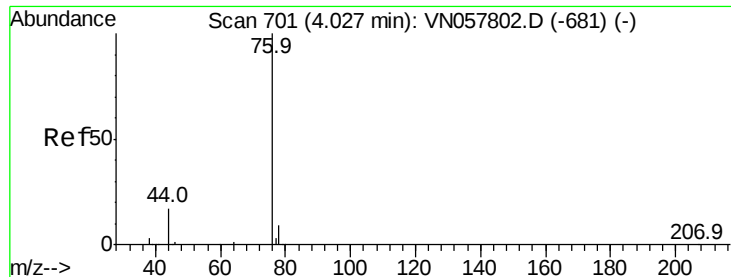
Tgt Ion: 43 Resp: 172696

Ion Ratio Lower Upper

43 100

58 29.8 22.2 33.2

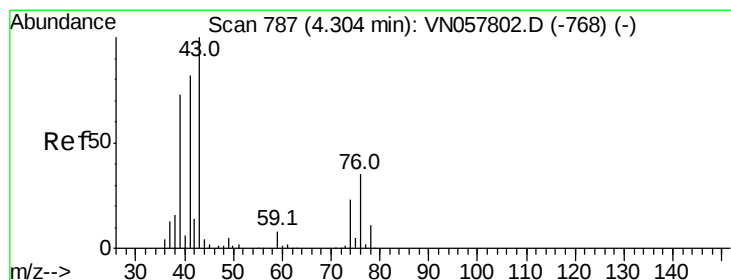
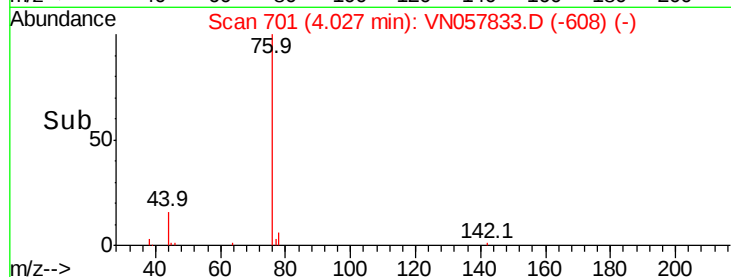
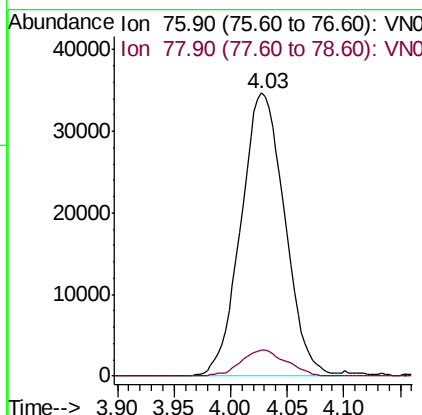
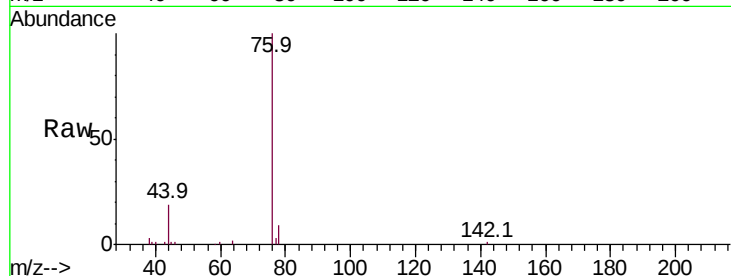




#17
Carbon Disulfide
Concen: 17.862 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

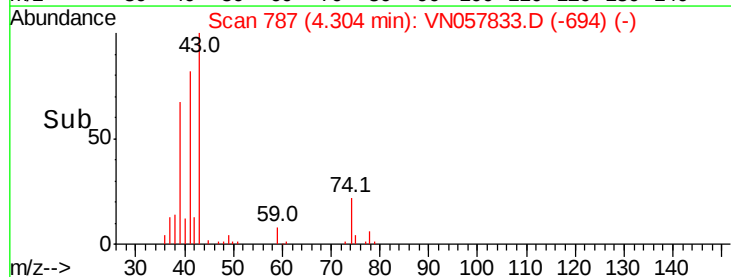
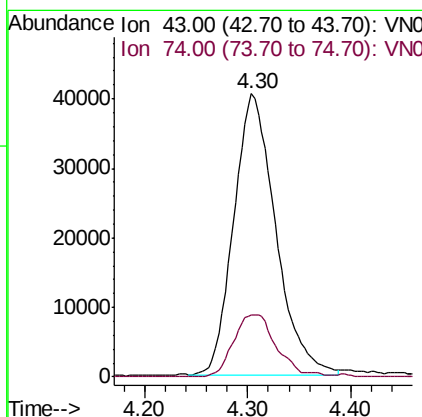
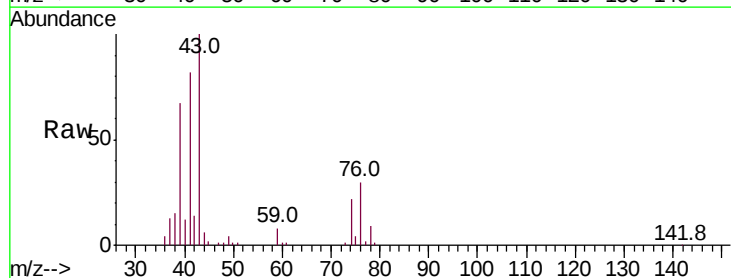
Instrument :
MSVOA_N
ClientSampleId :

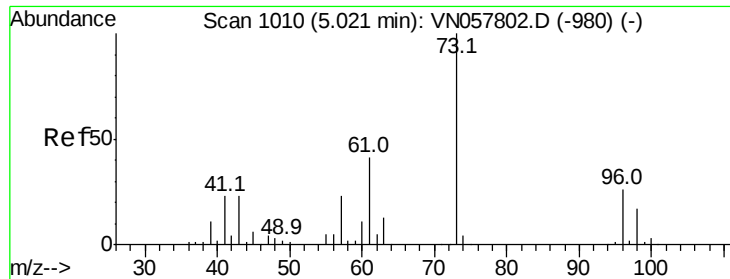
Tot Ion: 76 Resp: 93427
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 20.391 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion: 43 Resp: 114585
Ion Ratio Lower Upper
43 100
74 22.0 17.9 26.9

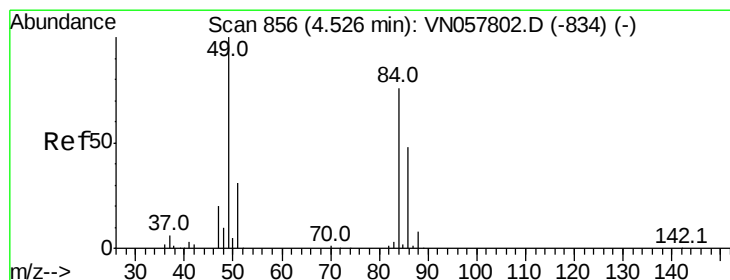
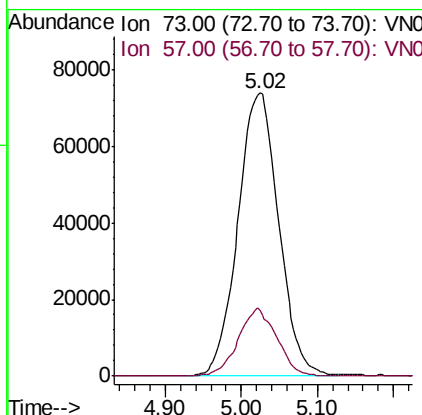
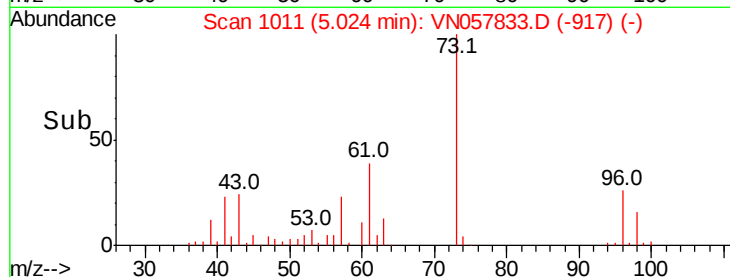
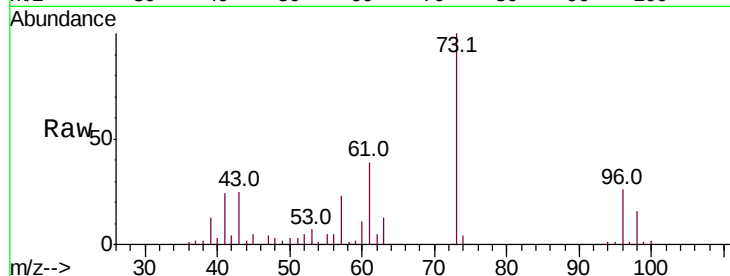




#19
Methvl tert-butvl Ether
Concen: 19.596 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

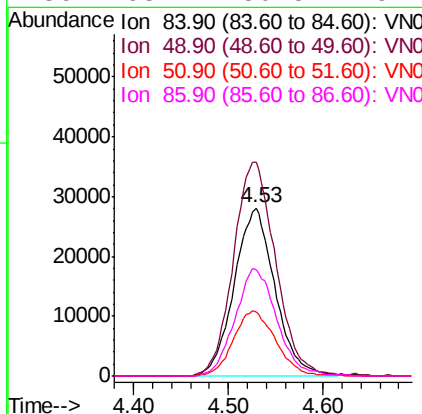
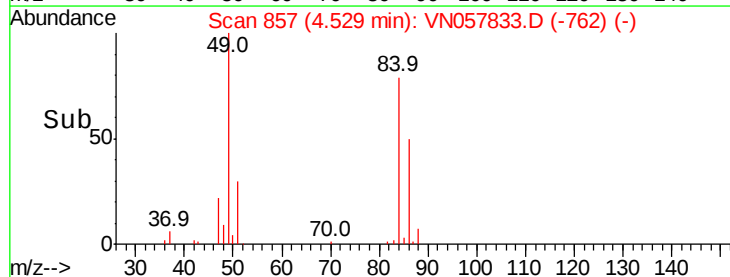
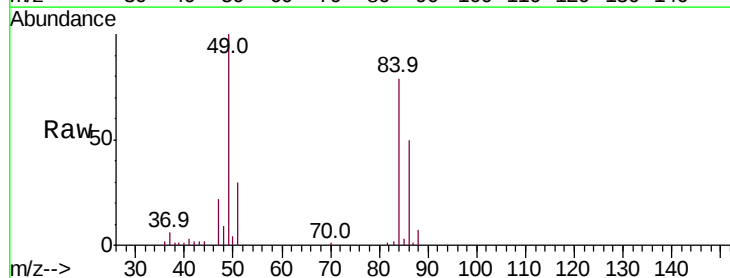
Instrument :
MSVOA_N
ClientSampleId :

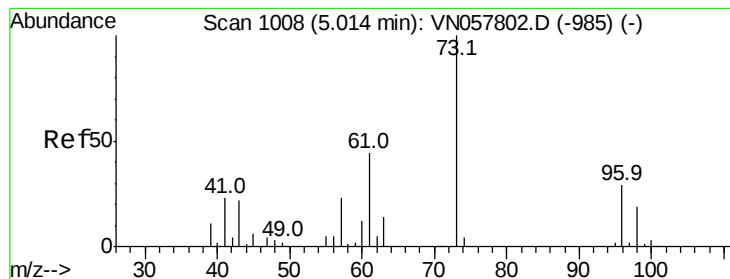
Tot Ion: 73 Resp: 275648
Ion Ratio Lower Upper
73 100
57 23.4 18.2 27.2



#20
Methylene Chloride
Concen: 20.147 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion: 84 Resp: 83783
Ion Ratio Lower Upper
84 100
49 127.2 104.8 157.2
51 38.5 33.0 49.4
86 63.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.419 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampled :

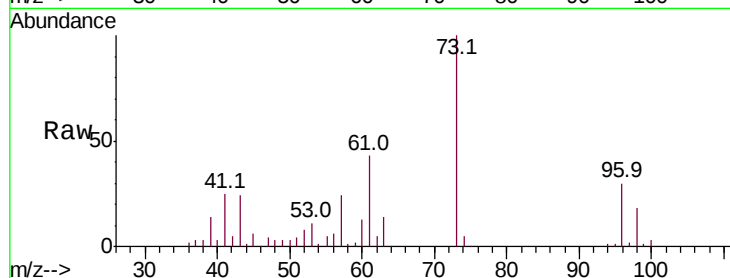
Tot Ion: 96 Resp: 67299

Ion Ratio Lower Upper

96 100

61 145.0 121.9 182.9

98 61.6 52.2 78.4

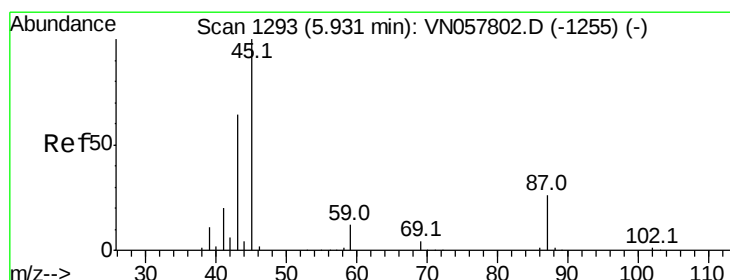
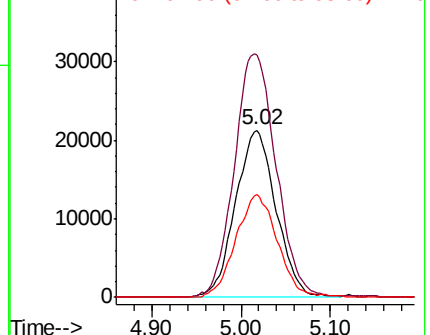
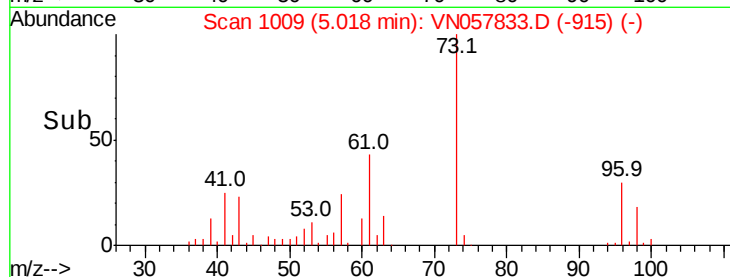


Abundance

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: 19.355 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Tgt Ion: 45 Resp: 300231

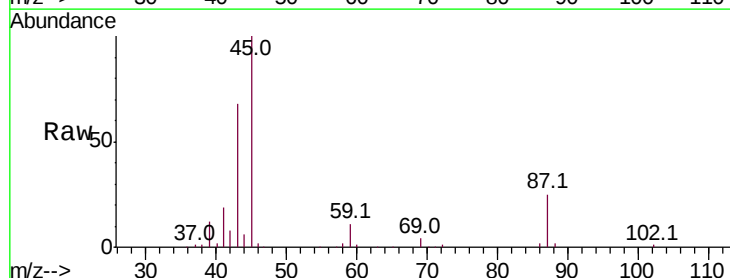
Ion Ratio Lower Upper

45 100

43 67.4 51.4 77.2

87 24.8 21.3 31.9

59 11.0 9.3 13.9



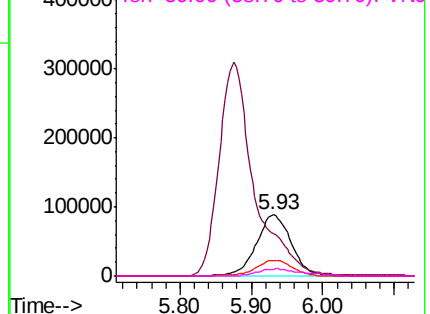
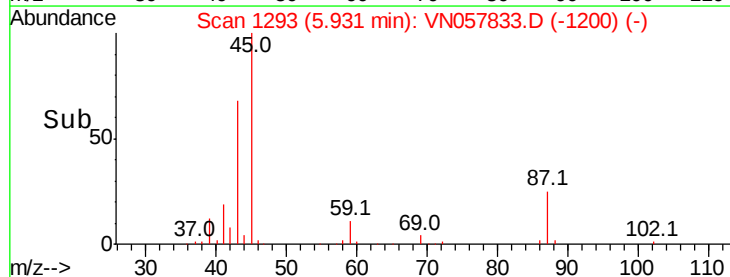
Abundance

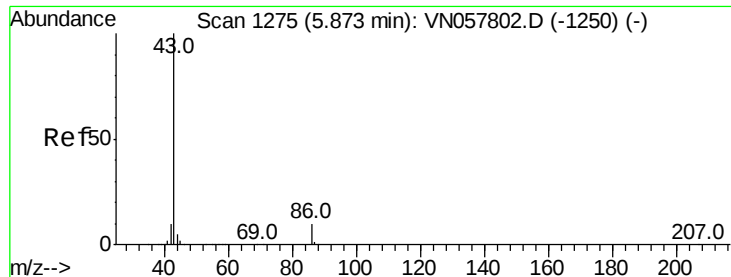
Ion 45.00 (44.70 to 45.70): VN0

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: 96.657 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

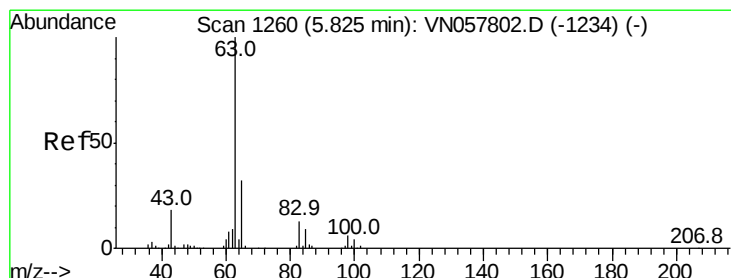
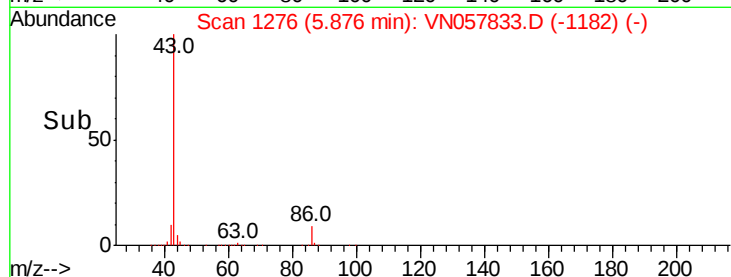
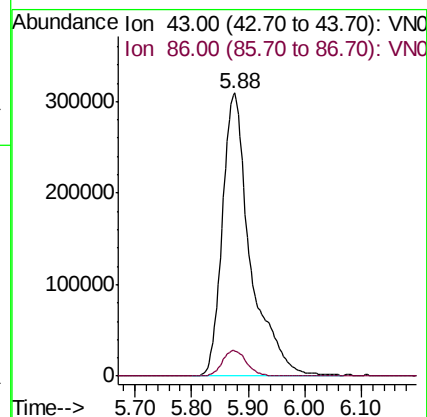
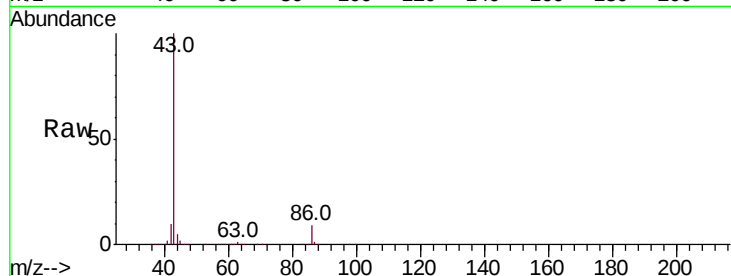
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1062591

Ion Ratio Lower Upper

43 100

86 8.9 7.7 11.5



#24

1,1-Dichloroethane

Concen: 19.215 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

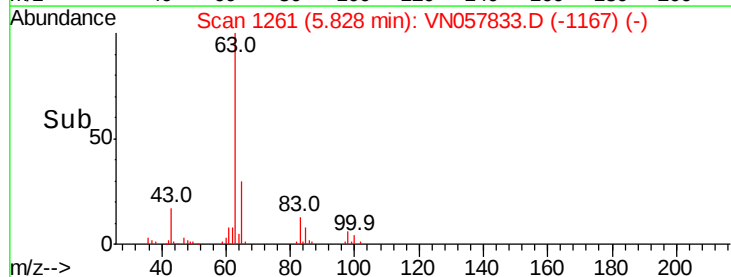
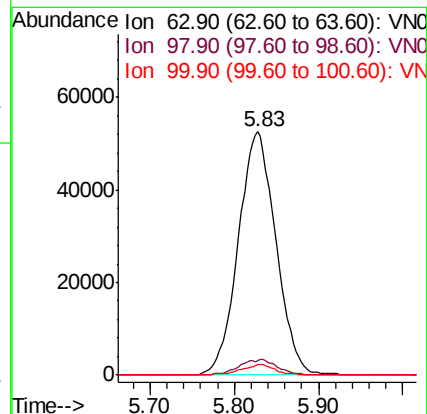
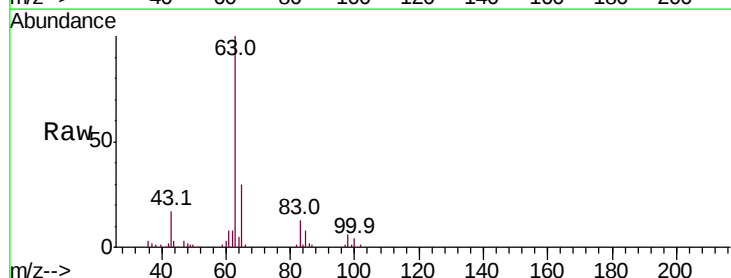
Tgt Ion: 63 Resp: 162899

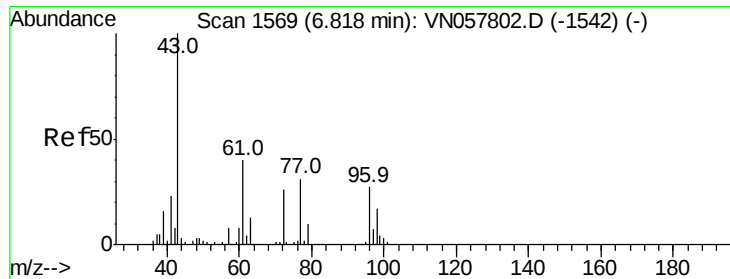
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 91.887 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

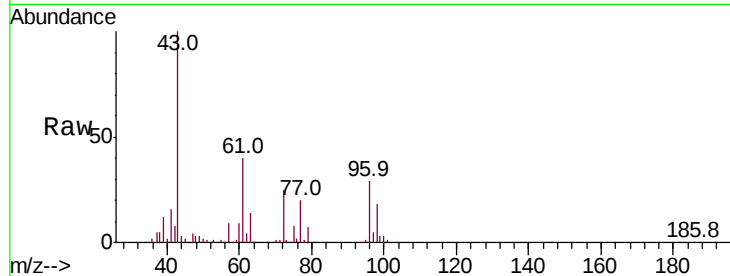
ClientSampled :

Tot Ion: 43 Resp: 280296

Ion Ratio Lower Upper

43 100

72 25.2 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1542) (-)

Ion 72.00 (71.70 to 72.70): VN057802.D (-1542) (-)

6.82

100000

80000

60000

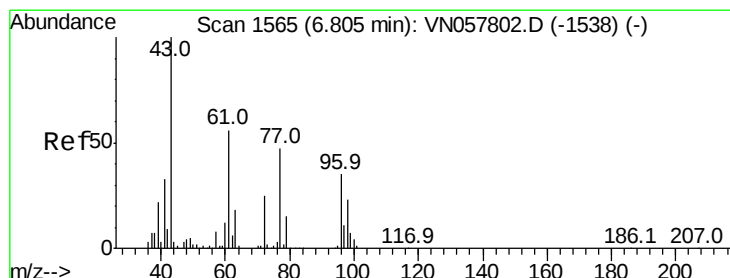
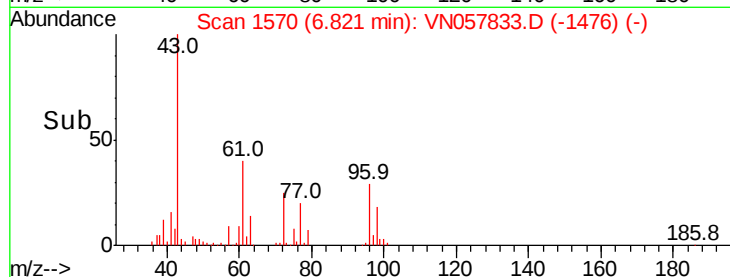
40000

20000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 12.505 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057833.D

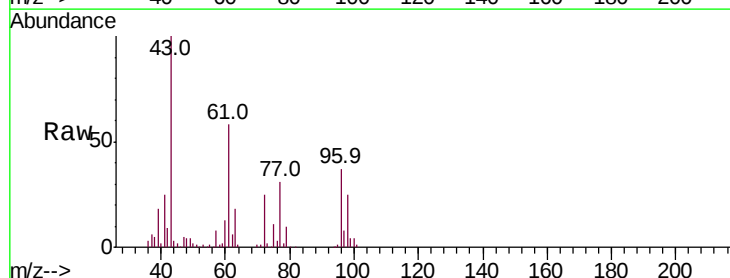
Acq: 10 Sep 2019 4:18

Tgt Ion: 77 Resp: 83894

Ion Ratio Lower Upper

77 100

97 23.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN057802.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN057802.D (-1538) (-)

6.81

30000

25000

20000

15000

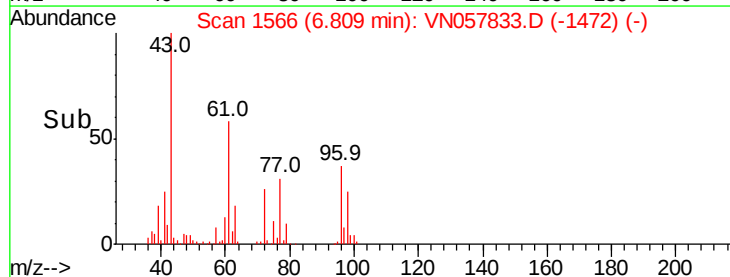
10000

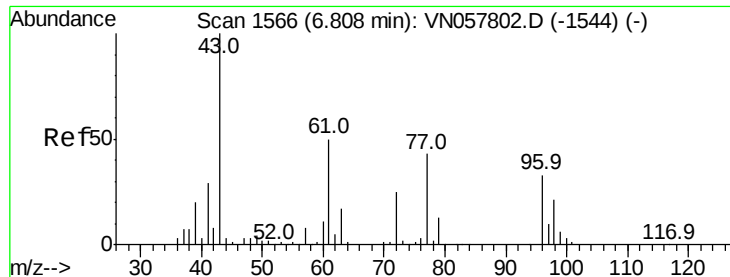
5000

0

6.70 6.75 6.80 6.85 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.797 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampleId :

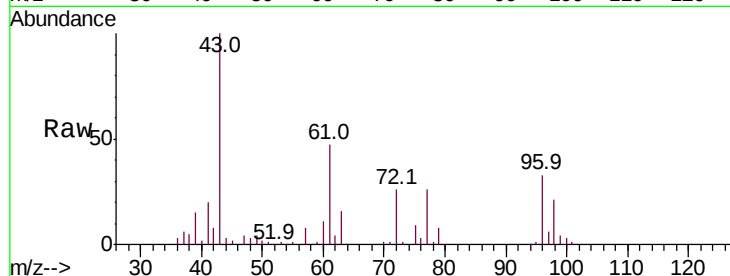
Tot Ion: 96 Resp: 92042

Ion Ratio Lower Upper

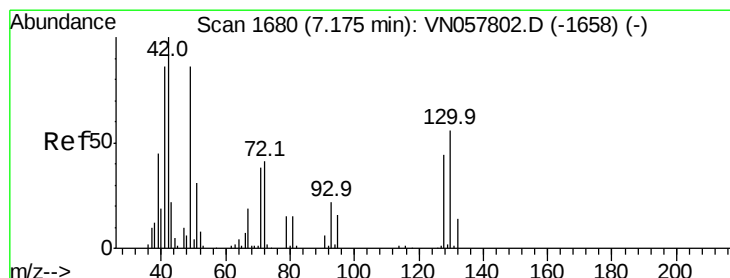
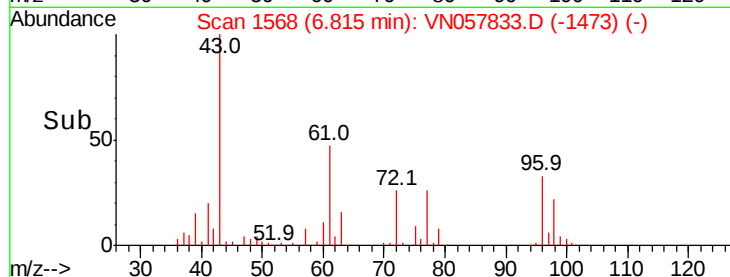
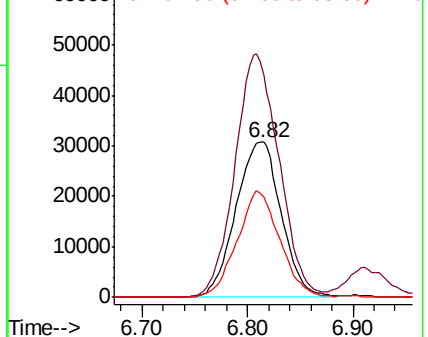
96 100

61 152.1 0.0 314.0

98 64.4 0.0 128.6



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: 19.204 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

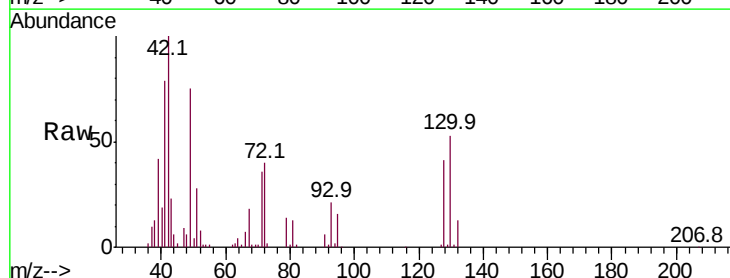
Tgt Ion: 49 Resp: 81336

Ion Ratio Lower Upper

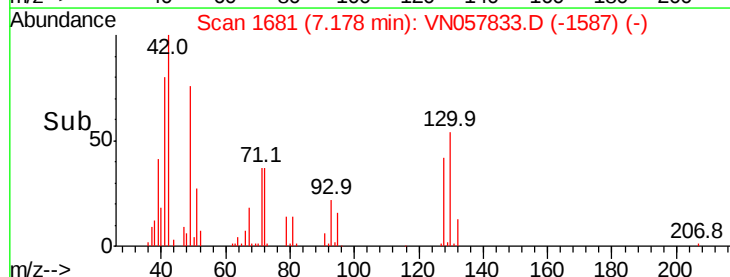
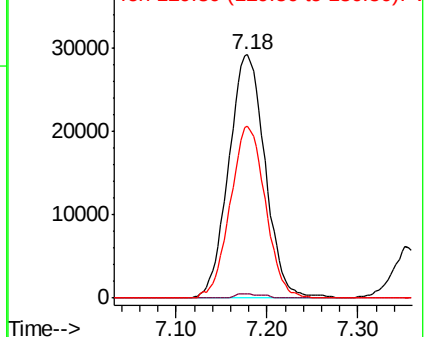
49 100

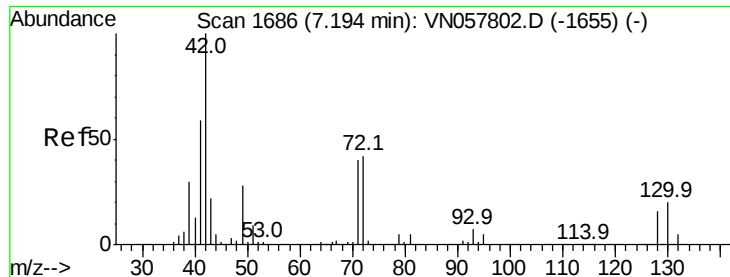
129 1.4 0.0 3.8

130 68.1 53.0 79.6



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

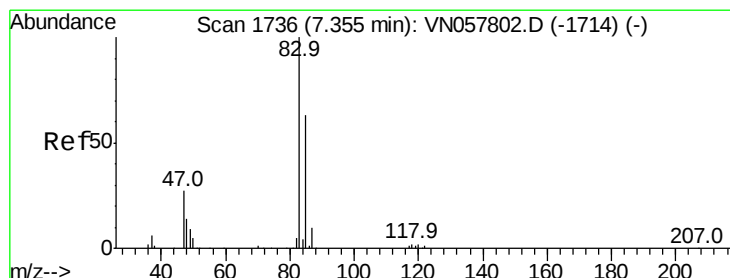
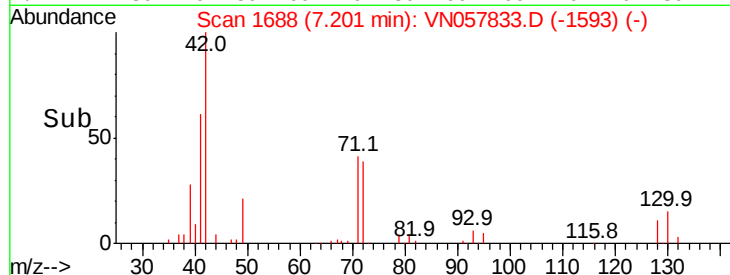
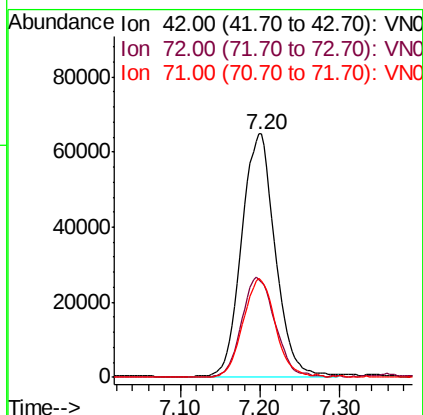
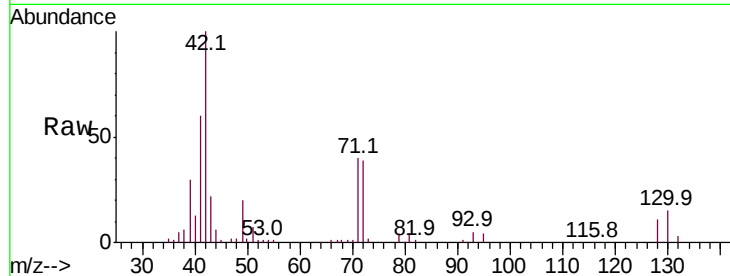




#29
Tetrahydrofuran
Concen: 99.033 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

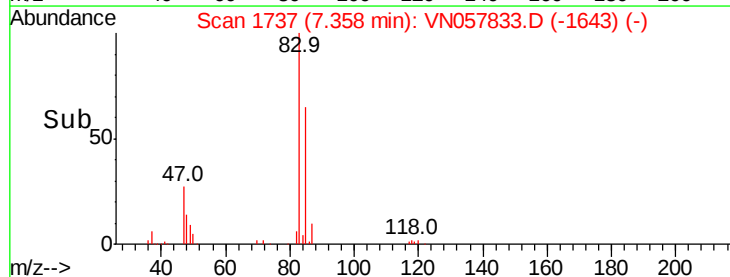
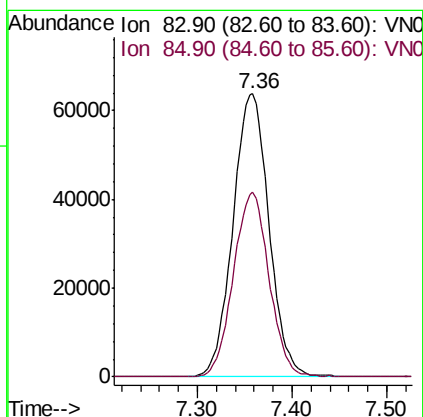
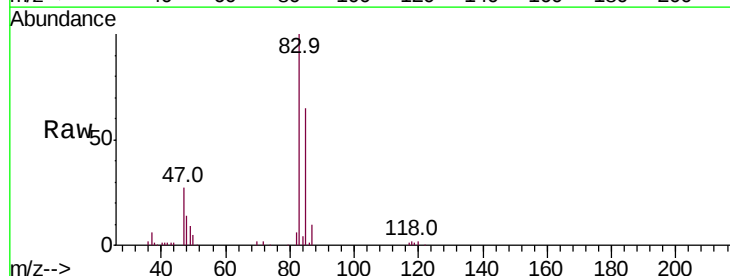
Instrument :
MSVOA_N
ClientSampled :

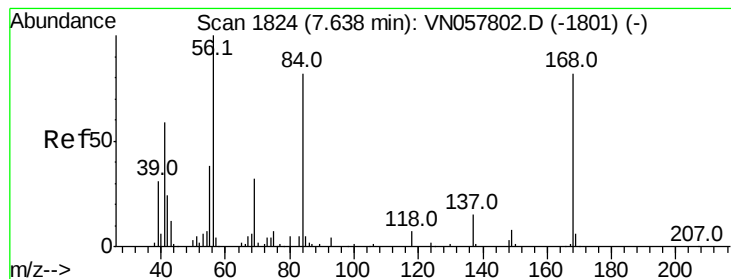
Tot Ion: 42 Resp: 186151
Ion Ratio Lower Upper
42 100
72 40.6 33.7 50.5
71 38.5 31.9 47.9



#30
Chloroform
Concen: 19.034 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion: 83 Resp: 168723
Ion Ratio Lower Upper
83 100
85 65.4 50.6 75.8





#31

Cyclohexane

Concen: 19.096 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampled :

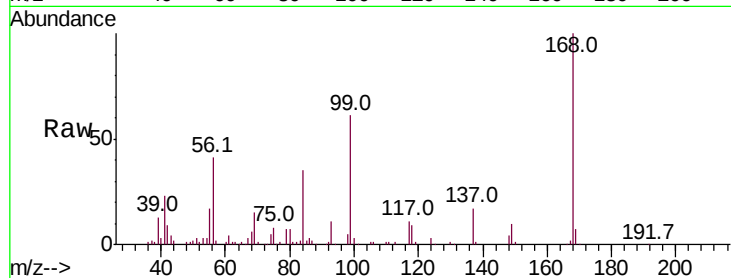
Tot Ion: 56 Resp: 118308

Ion Ratio Lower Upper

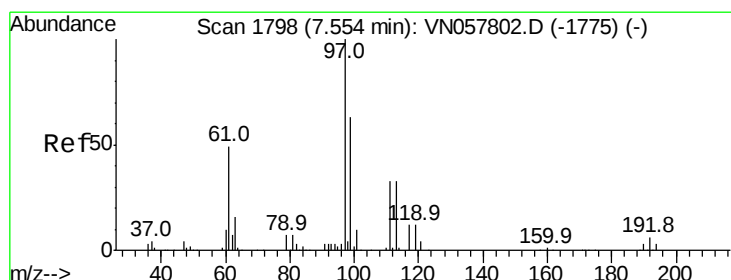
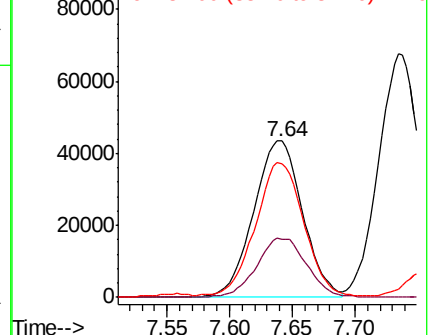
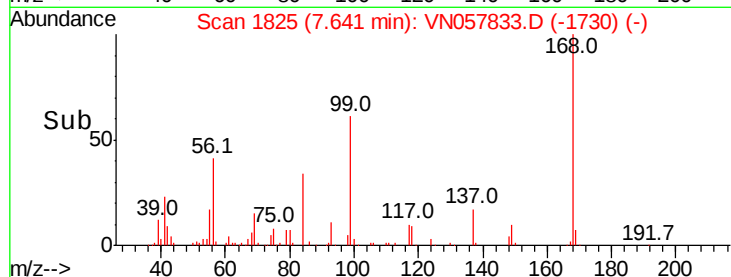
56 100

69 37.3 25.9 38.9

84 84.1 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 18.541 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

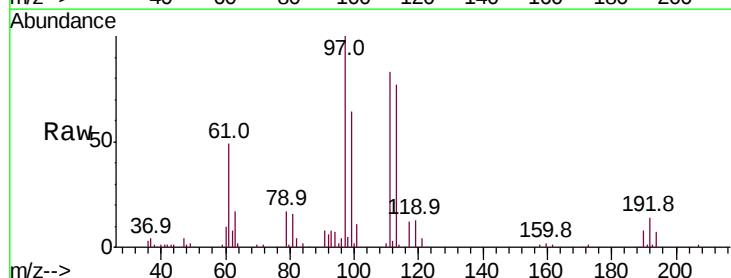
Tgt Ion: 97 Resp: 130347

Ion Ratio Lower Upper

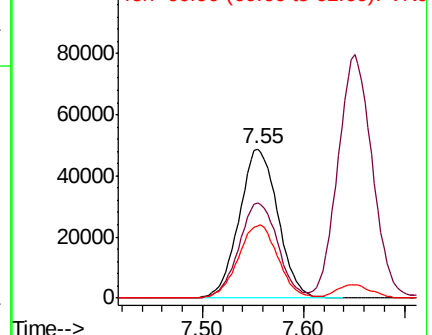
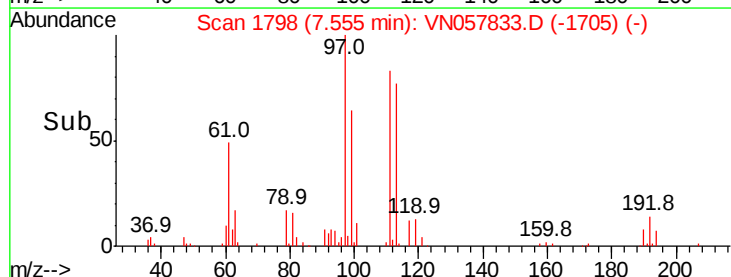
97 100

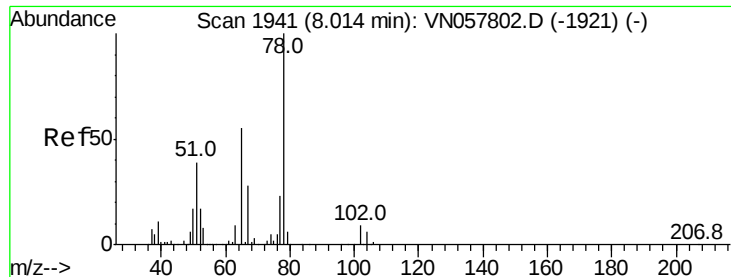
99 63.9 51.0 76.4

61 50.3 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 50.490 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

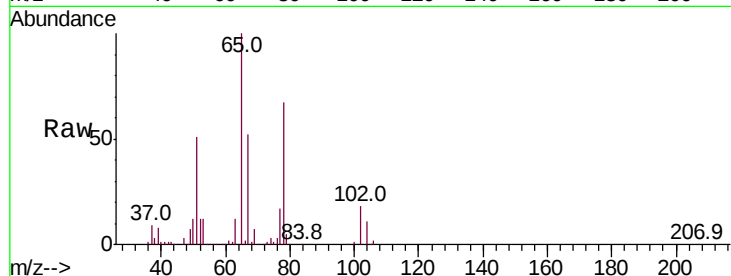
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 324608

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN057802.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN057802.D (-1921) (-)

8.01

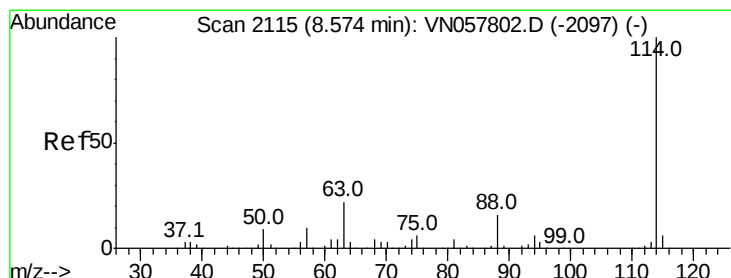
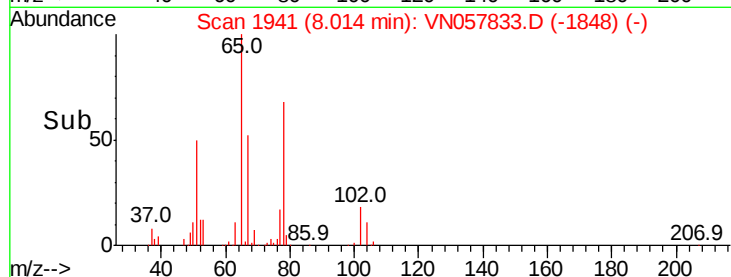
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

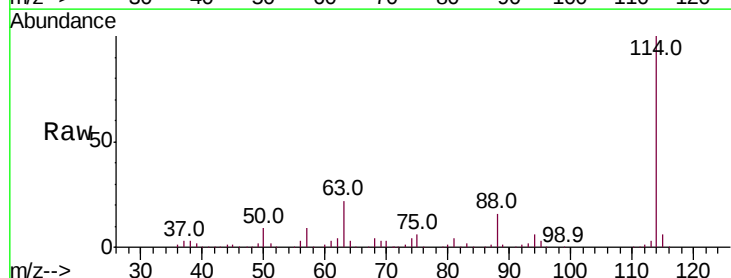
Tgt Ion: 114 Resp: 525904

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.0

88 16.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN057802.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN057802.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN057802.D (-2097) (-)

8.58

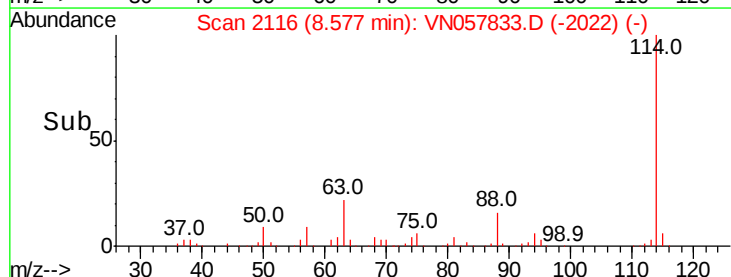
300000

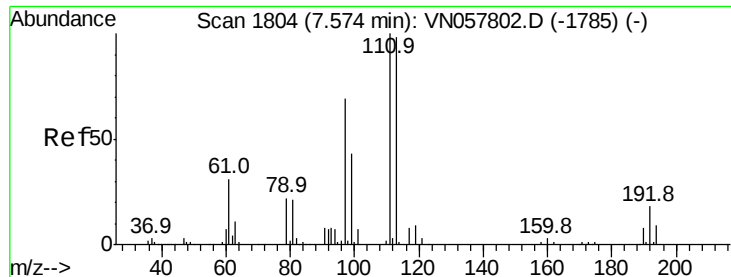
200000

100000

0

Time-->

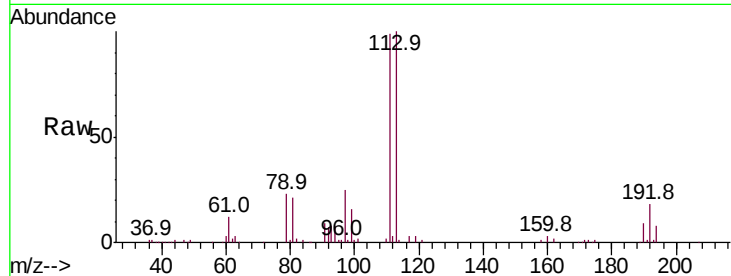




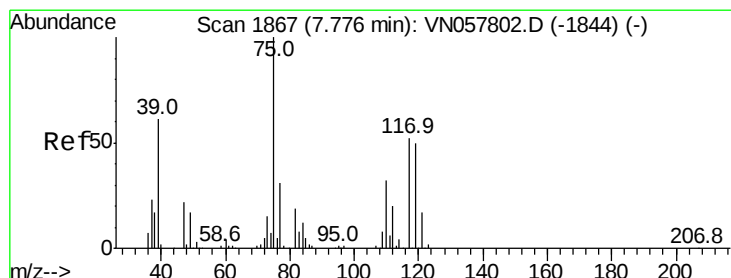
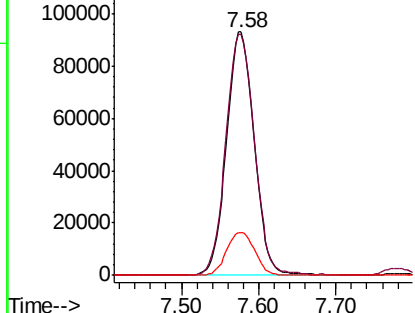
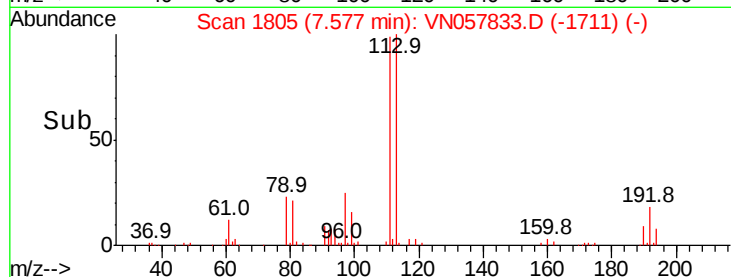
#35
 Dibromofluoromethane
 Concen: 47.499 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.3	121.9
192	17.9	14.6	22.0

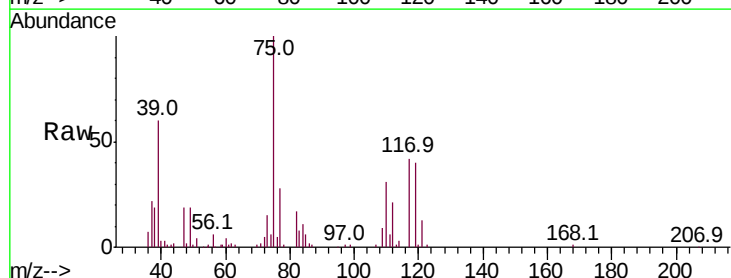


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

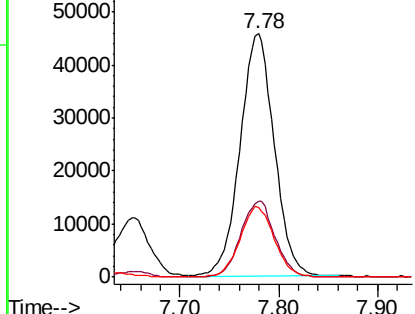
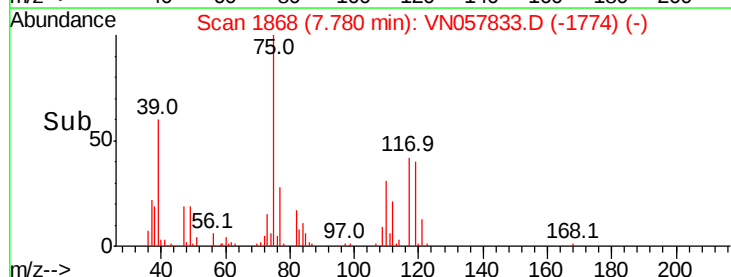


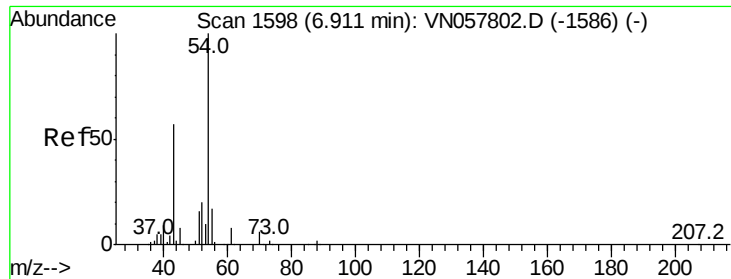
#36
 1,1-Dichloropropene
 Concen: 18.037 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.3	48.9
77	29.2	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

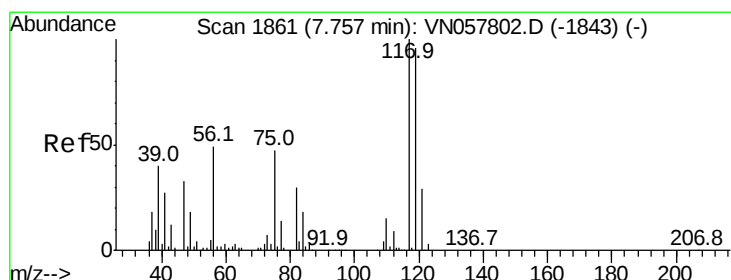
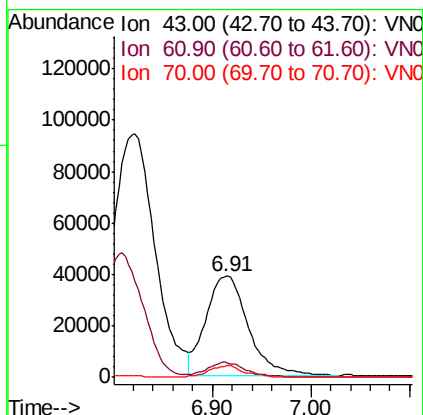
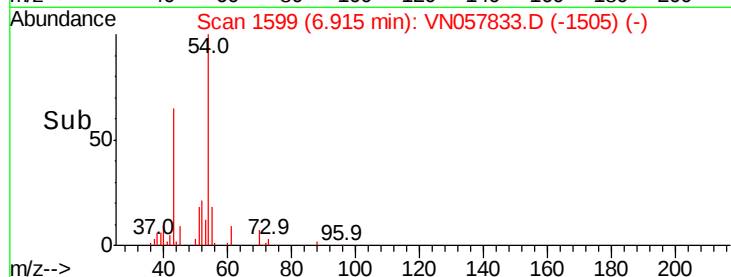
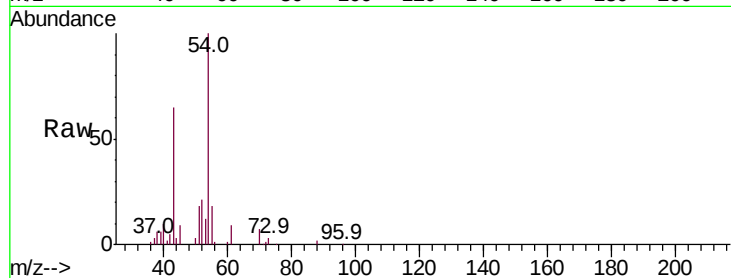




#37
Ethyl Acetate
Concen: 18.553 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

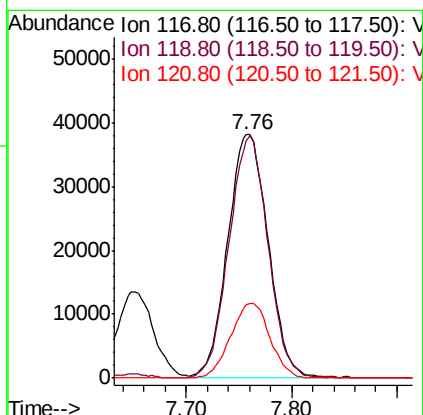
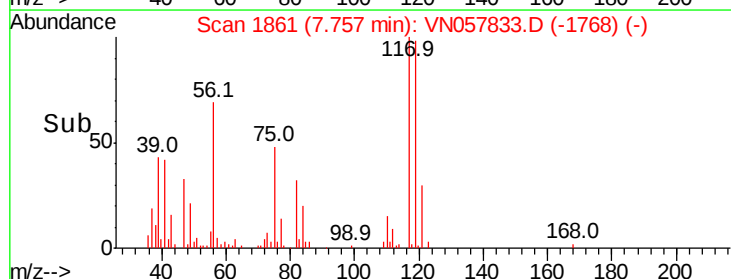
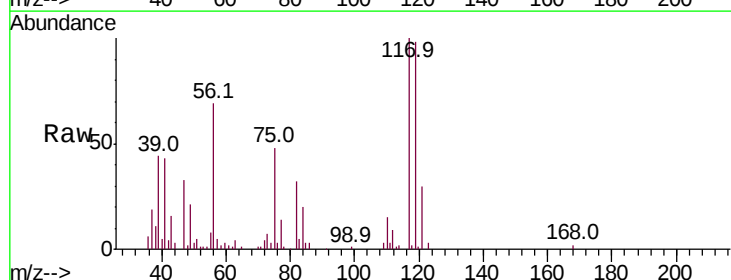
Instrument :
MSVOA_N
ClientSampleId :

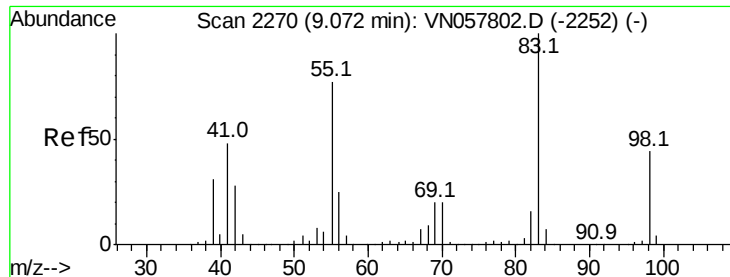
Tot Ion: 43 Resp: 116910
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 10.0 7.4 11.0



#38
Carbon Tetrachloride
Concen: 18.215 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion: 117 Resp: 101432
Ion Ratio Lower Upper
117 100
119 97.6 76.9 115.3
121 30.1 23.4 35.2

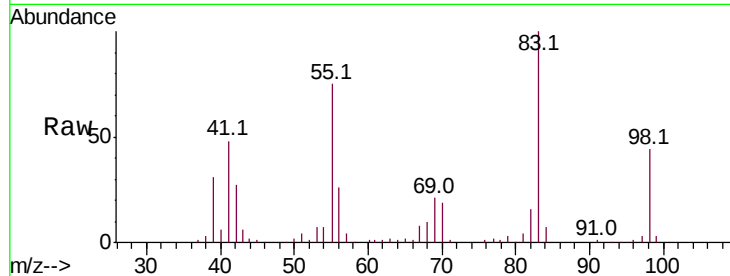




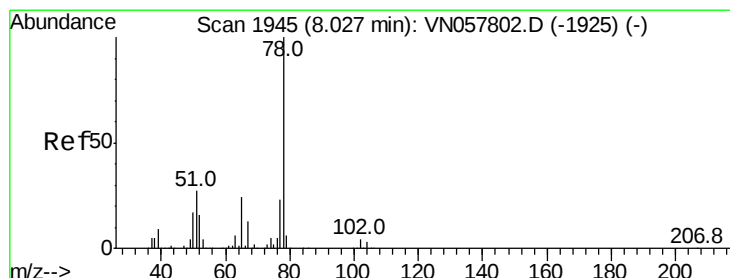
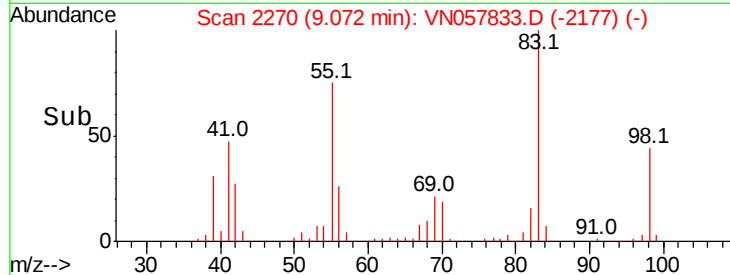
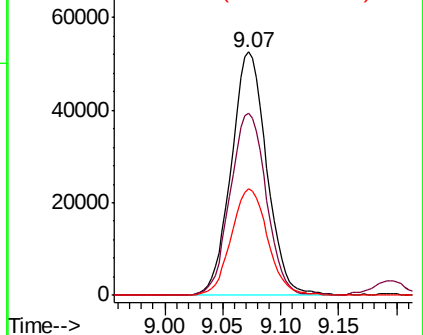
#39
Methvlcvclohexane
Concen: 17.386 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 111470
Ion Ratio Lower Upper
83 100
55 74.6 61.6 92.4
98 43.8 34.9 52.3

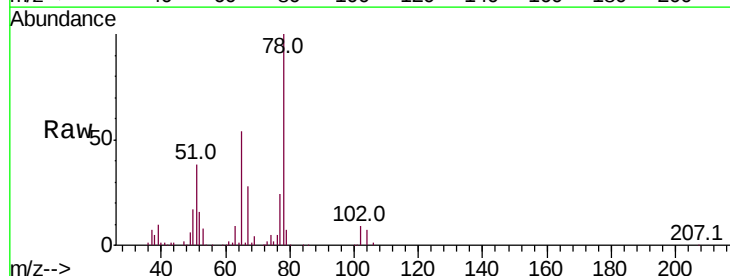


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

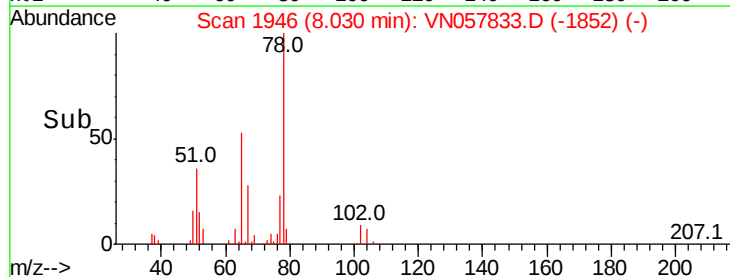
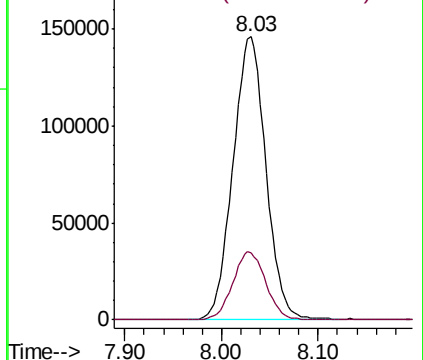


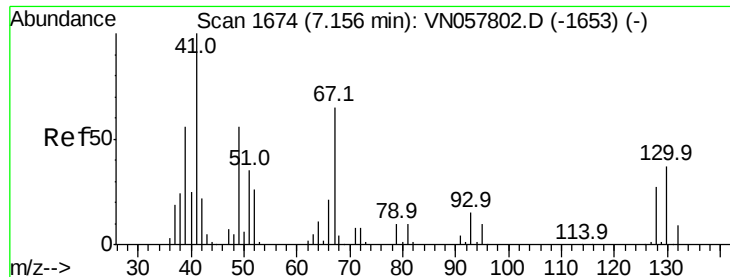
#40
Benzene
Concen: 18.820 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion: 78 Resp: 345581
Ion Ratio Lower Upper
78 100
77 23.7 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





#41

Methacrylonitrile

Concen: 19.663 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 56246

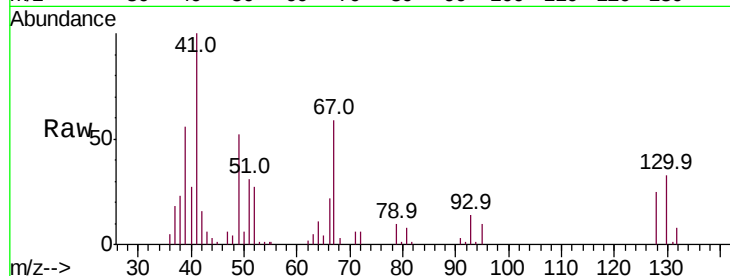
Ion Ratio Lower Upper

41 100

39 63.3 51.0 76.6

67 82.9 70.7 106.1

52 39.2 30.8 46.2

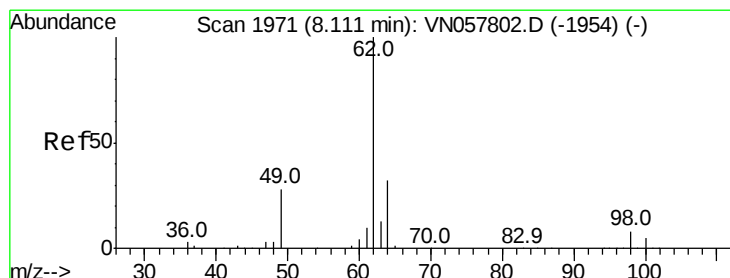
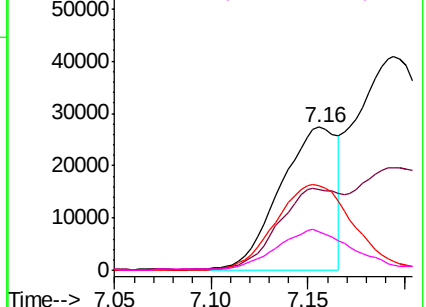
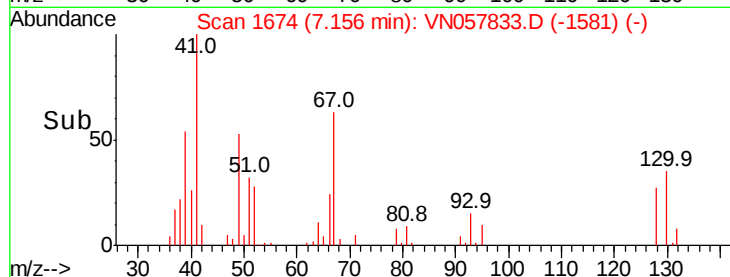


Abundance Ion 41.00 (40.70 to 41.70): VNO

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: 18.782 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN057833.D

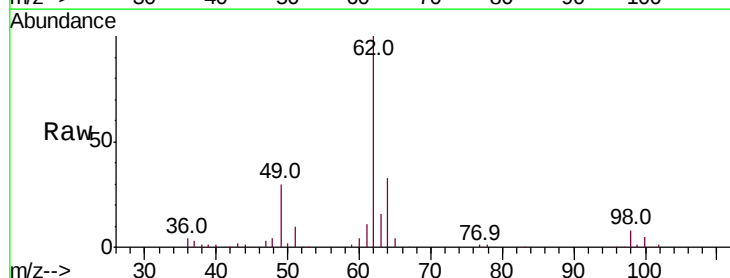
Acq: 10 Sep 2019 4:18

Tgt Ion: 62 Resp: 137933

Ion Ratio Lower Upper

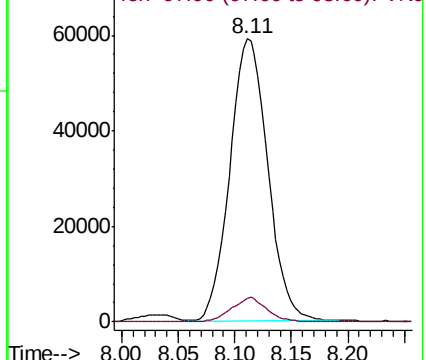
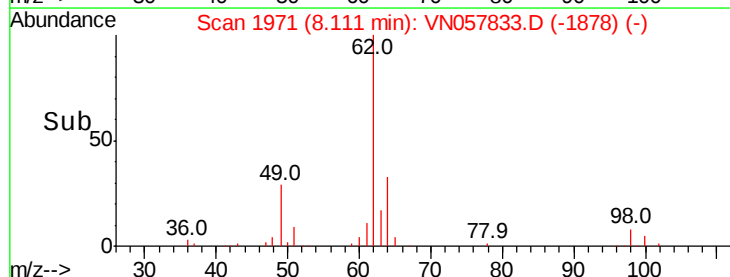
62 100

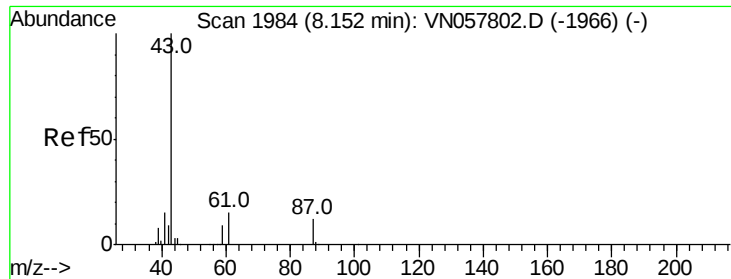
98 8.0 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 18.309 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampleId :

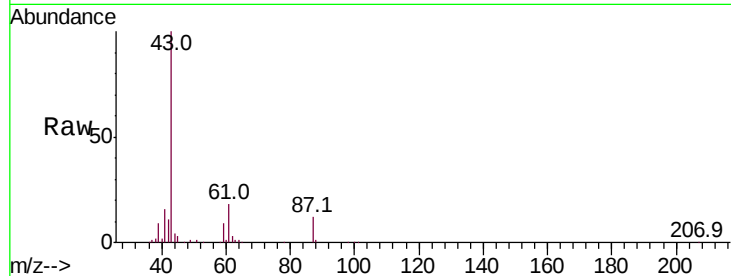
Tot Ion: 43 Resp: 194017

Ion Ratio Lower Upper

43 100

61 18.9 20.1 30.1#

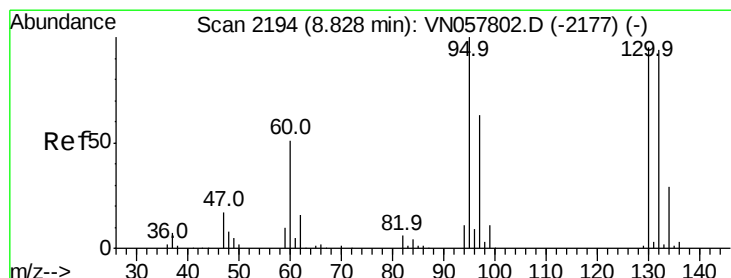
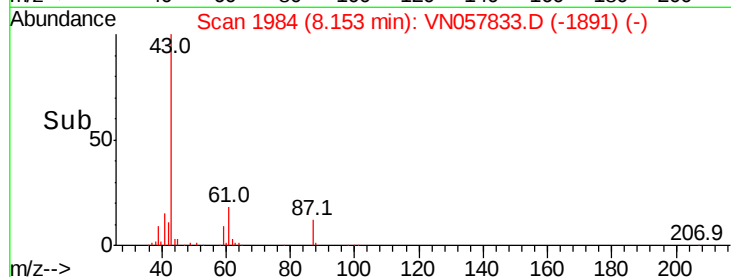
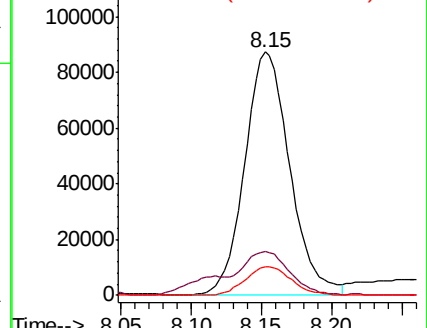
87 12.2 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#44

Trichloroethene

Concen: 18.397 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057833.D

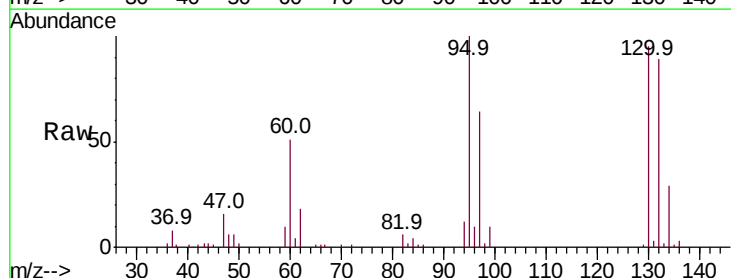
Acq: 10 Sep 2019 4:18

Tgt Ion:130 Resp: 82855

Ion Ratio Lower Upper

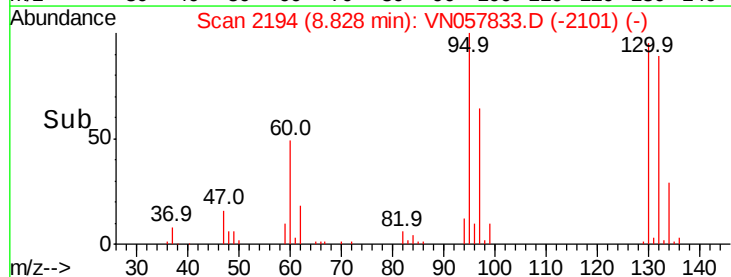
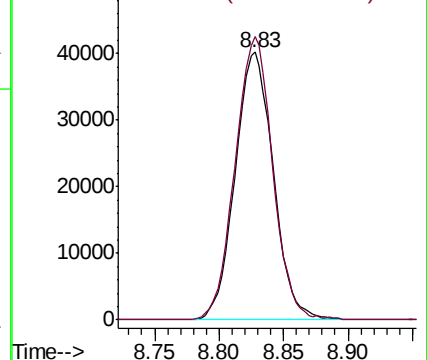
130 100

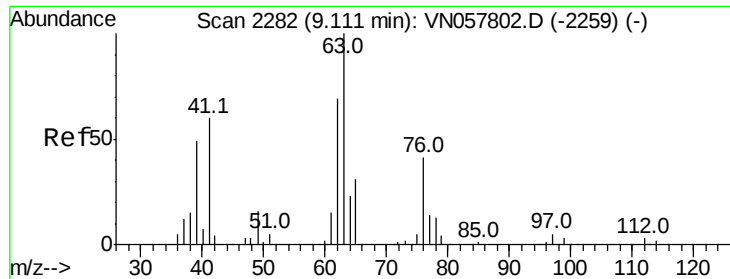
95 105.8 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

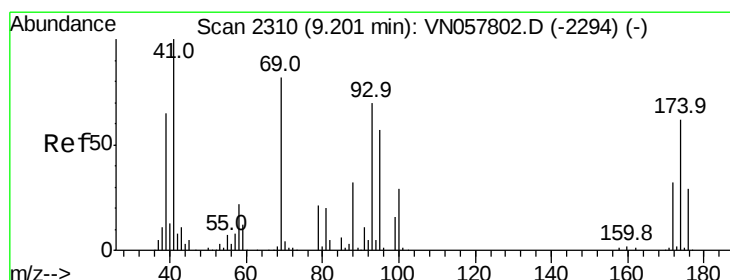
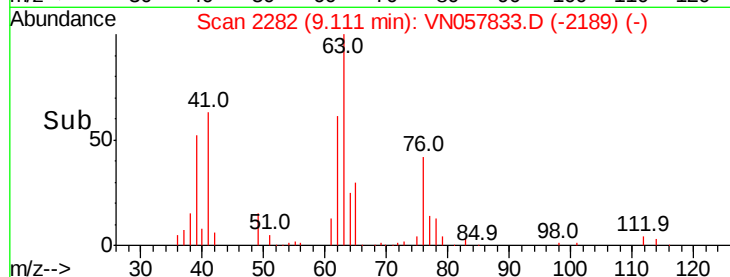
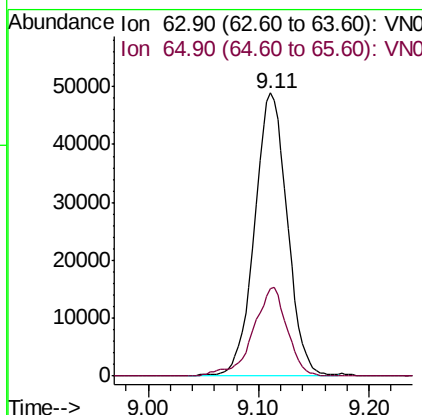
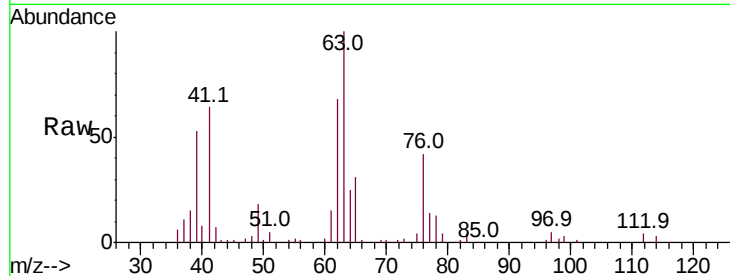




#45
 1,2-Dichloropropane
 Concen: 18.906 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

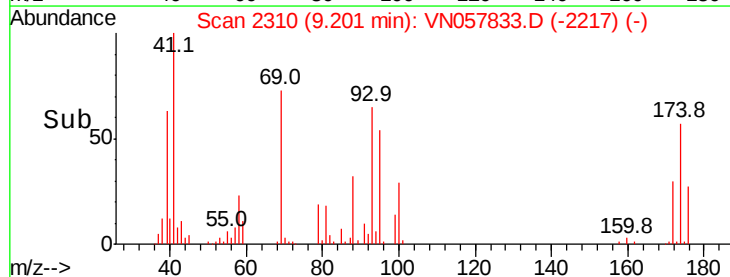
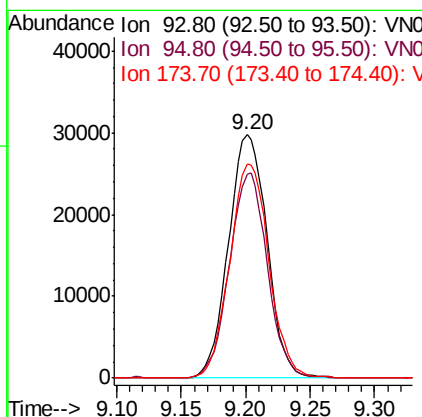
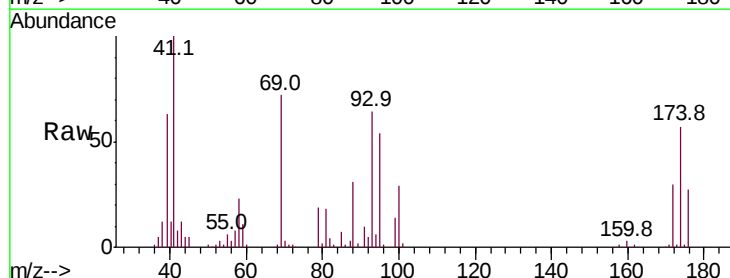
Instrument :
 MSVOA_N
 ClientSampled :

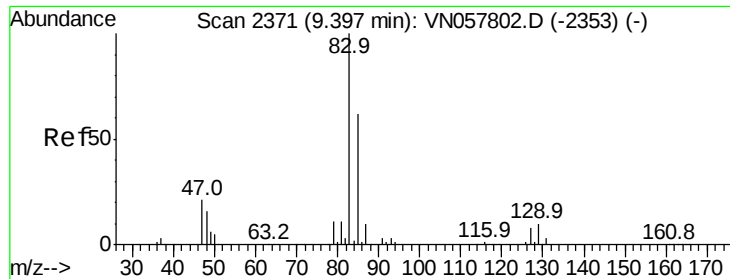
Tot Ion: 63 Resp: 101019
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2



#46
 Dibromomethane
 Concen: 19.178 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Tgt Ion: 93 Resp: 61921
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.9 98.9
 174 89.3 71.8 107.6





#47

Bromodichloromethane

Concen: 18.477 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampleId :

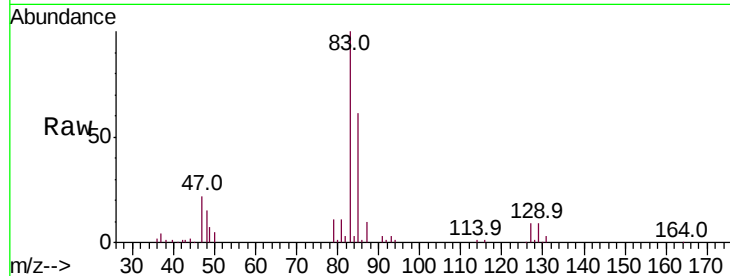
Tot Ion: 83 Resp: 119129

Ion Ratio Lower Upper

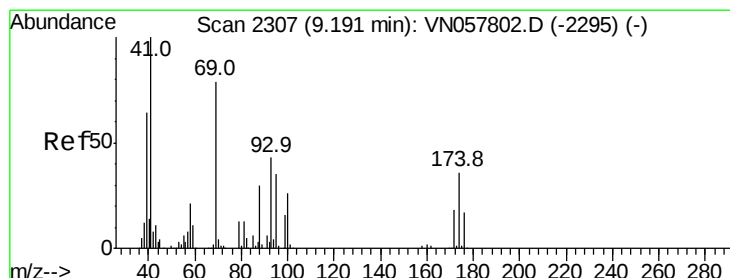
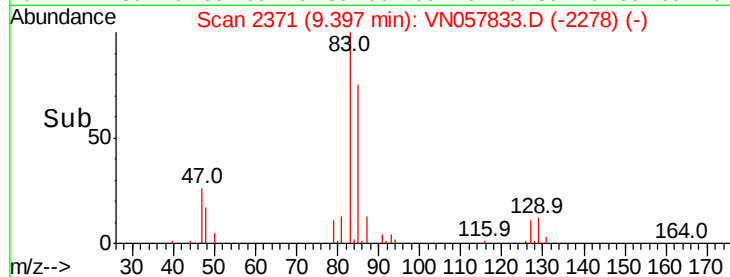
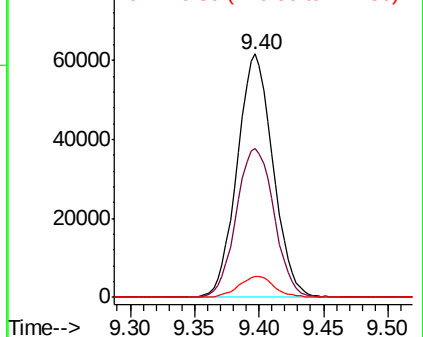
83 100

85 61.1 49.9 74.9

127 8.7 6.5 9.7



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): VN0



#48

Methyl methacrylate

Concen: 18.442 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

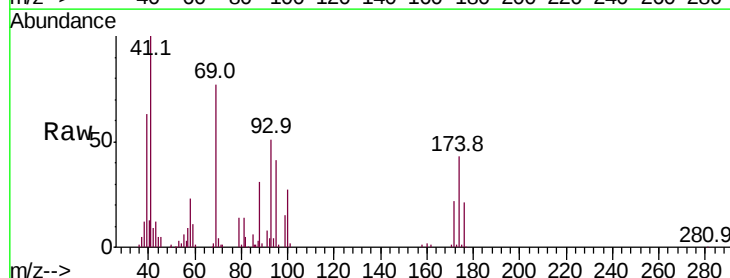
Tgt Ion: 41 Resp: 99138

Ion Ratio Lower Upper

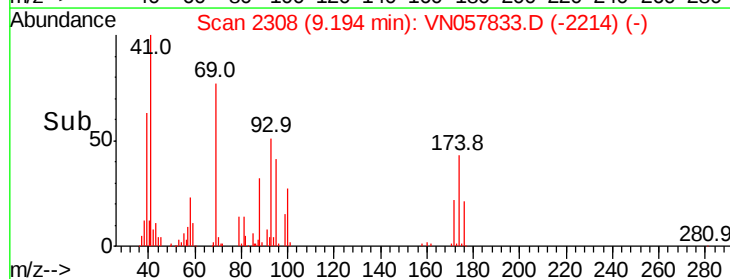
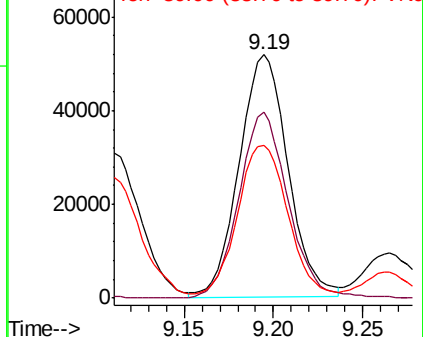
41 100

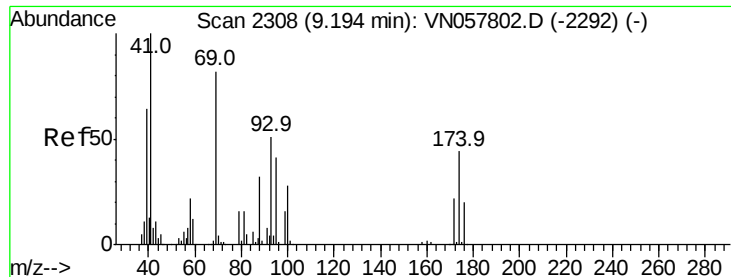
69 77.7 62.7 94.1

39 65.4 52.7 79.1



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

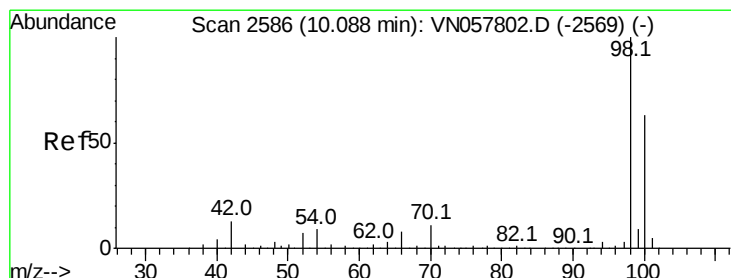
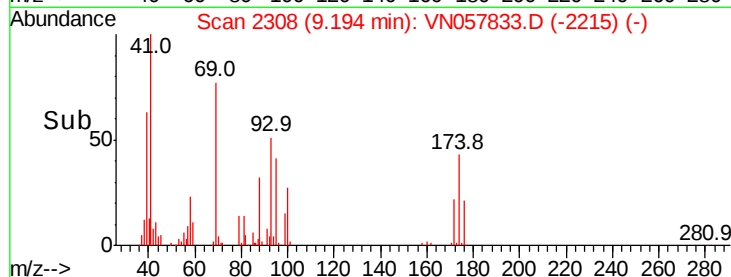
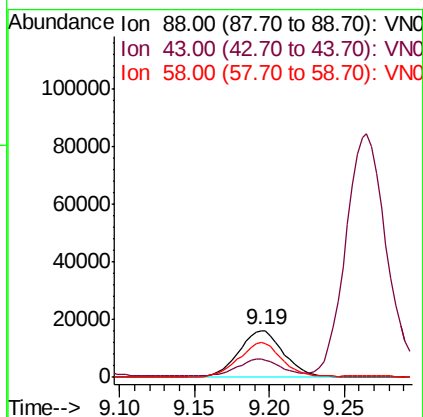
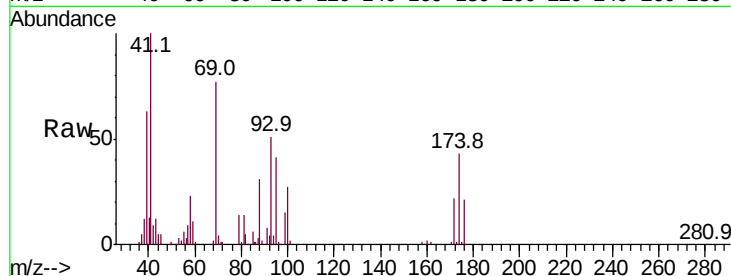




#49
 1,4-Dioxane
 Concen: 375.161 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

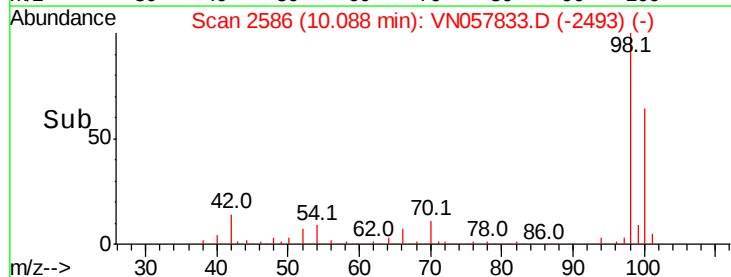
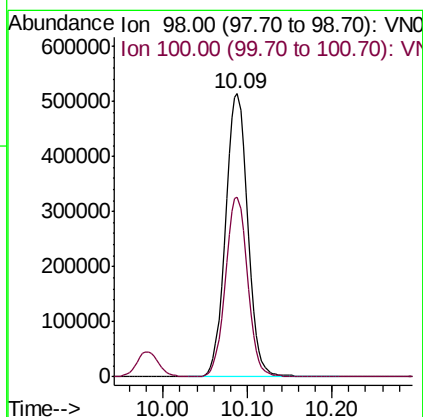
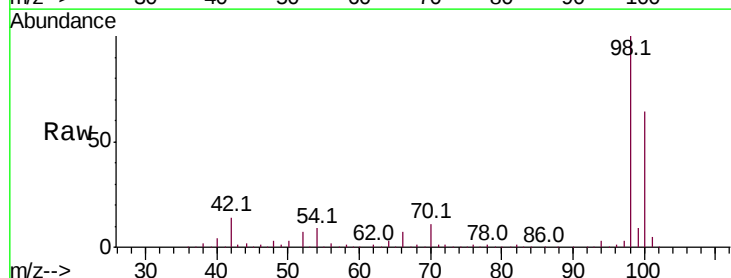
Instrument :
 MSVOA_N
 ClientSampled :

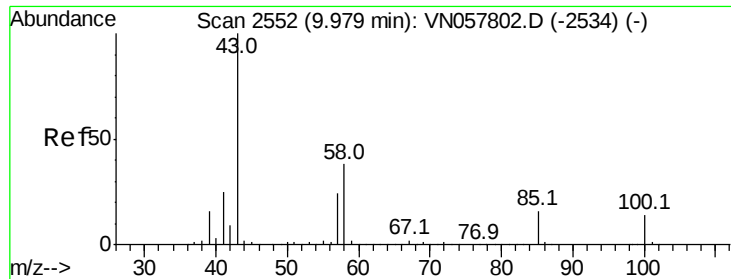
Tot Ion: 88 Resp: 34104
 Ion Ratio Lower Upper
 88 100
 43 35.1 28.5 42.7
 58 71.9 55.8 83.6



#50
 Toluene-d8
 Concen: 49.879 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Tgt Ion: 98 Resp: 939992
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 100.568 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

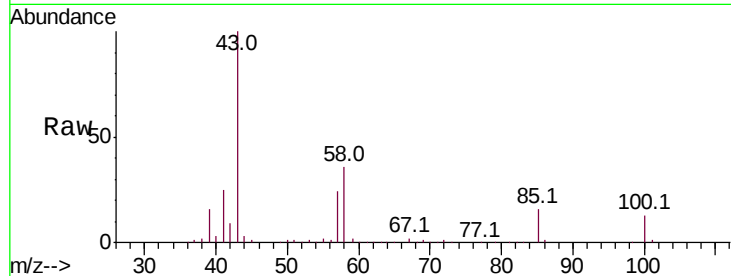
ClientSampled :

Tot Ion: 43 Resp: 630663

Ion Ratio Lower Upper

43 100

58 36.2 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)

9.98

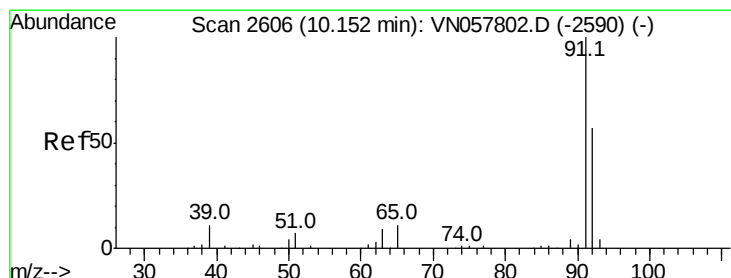
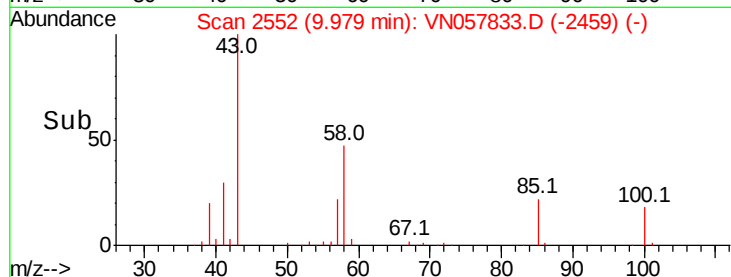
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.865 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057833.D

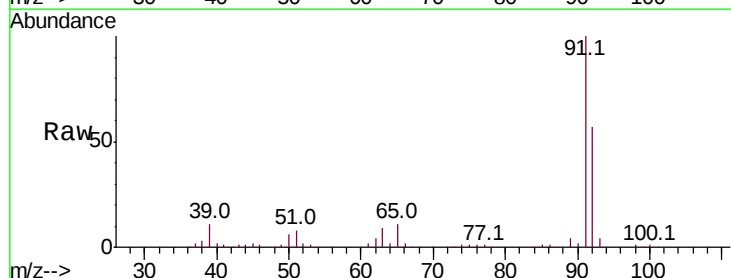
Acq: 10 Sep 2019 4:18

Tgt Ion: 92 Resp: 218174

Ion Ratio Lower Upper

92 100

91 174.9 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)

10.15

250000

200000

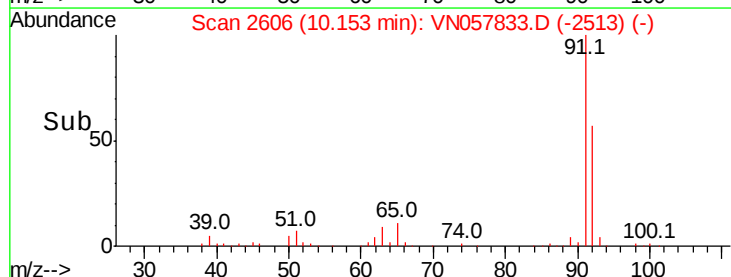
150000

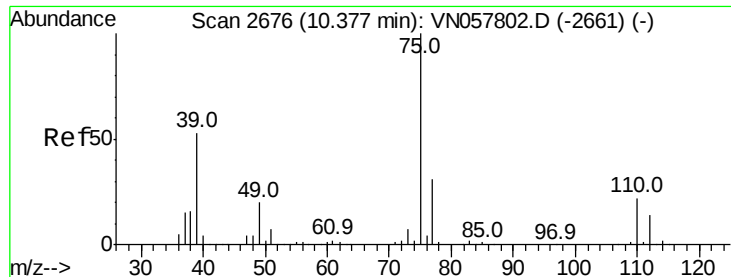
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.267 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

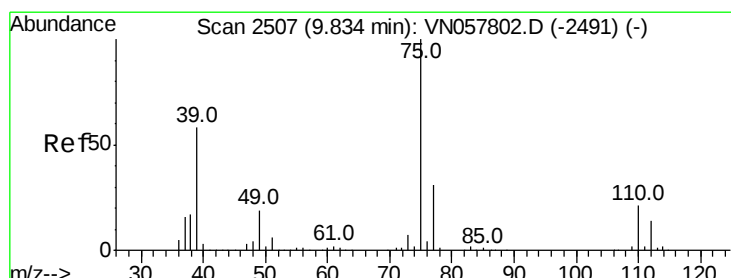
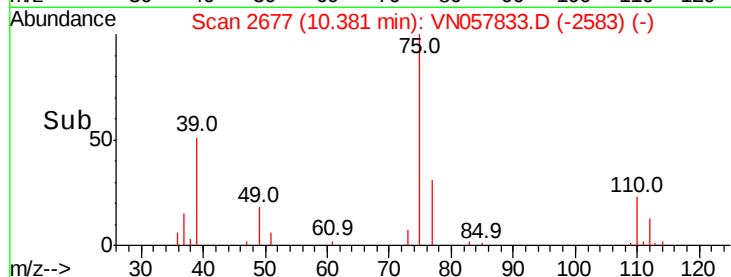
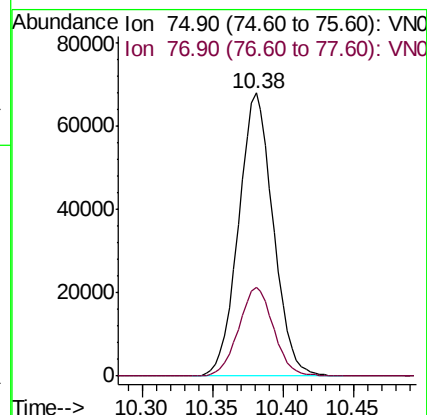
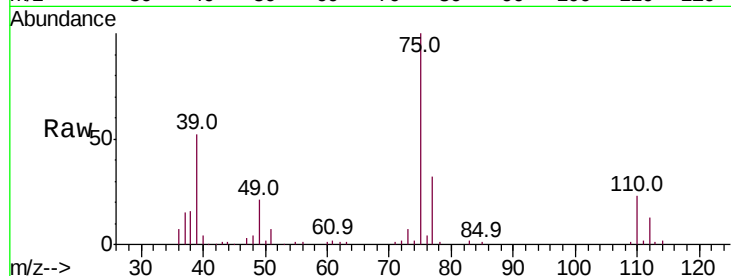
ClientSampleId :

Tot Ion: 75 Resp: 117233

Ion Ratio Lower Upper

75 100

77 31.5 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 17.914 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

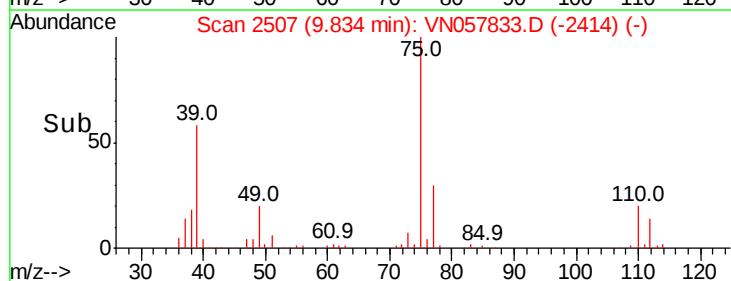
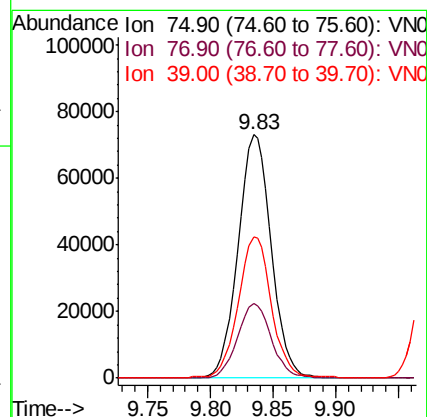
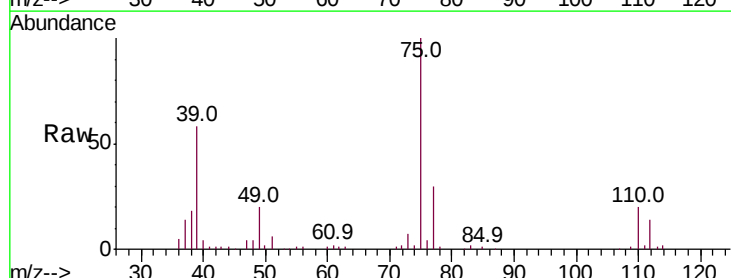
Tgt Ion: 75 Resp: 134286

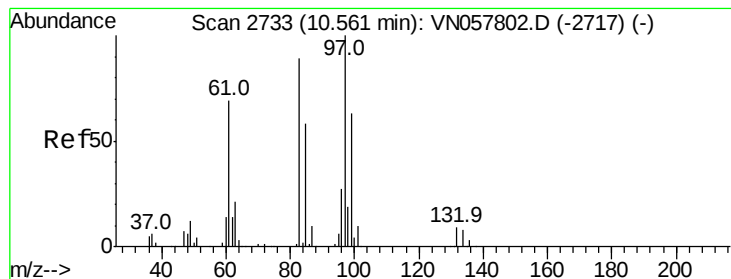
Ion Ratio Lower Upper

75 100

77 30.4 24.8 37.2

39 57.4 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 18.955 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 92858

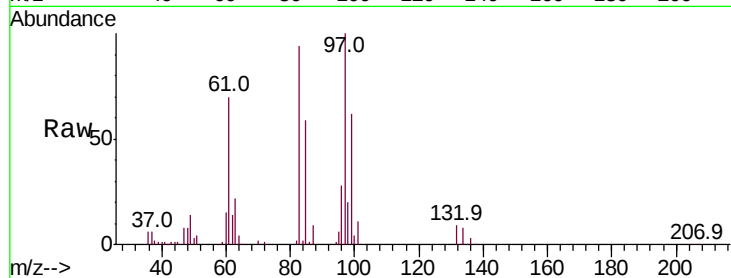
Ion Ratio Lower Upper

97 100

83 93.6 70.8 106.2

85 58.7 46.0 69.0

99 61.7 50.6 76.0

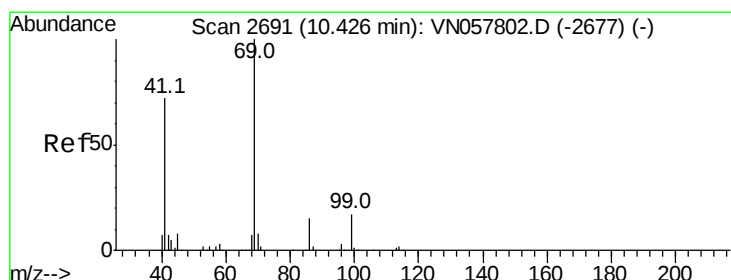
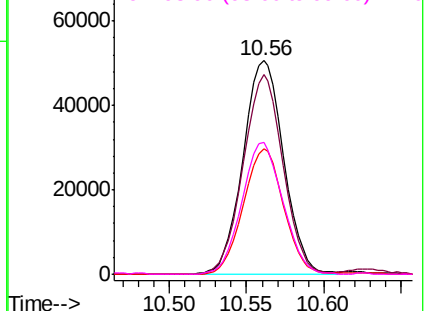
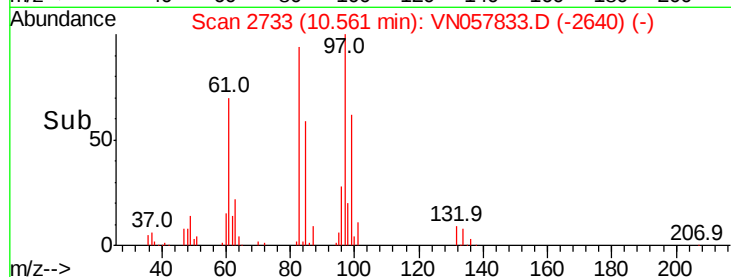


Abundance Ion 96.90 (96.60 to 97.60): VN057833.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN057833.D (-2640) (-)

Ion 84.90 (84.60 to 85.60): VN057833.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN057833.D (-2640) (-)



#56

Ethyl methacrylate

Concen: 18.573 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

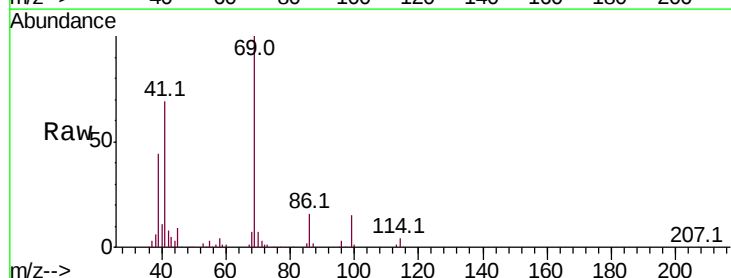
Tgt Ion: 69 Resp: 137020

Ion Ratio Lower Upper

69 100

41 71.2 56.7 85.1

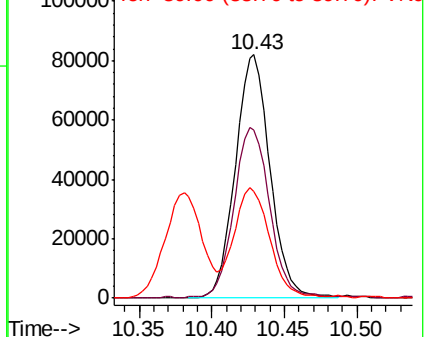
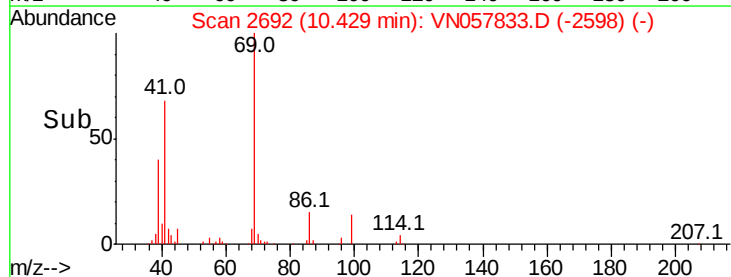
39 46.1 36.3 54.5

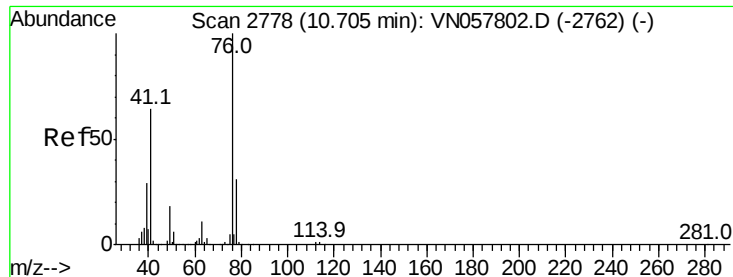


Abundance Ion 69.00 (68.70 to 69.70): VN057833.D (-2598) (-)

Ion 41.00 (40.70 to 41.70): VN057833.D (-2598) (-)

Ion 39.00 (38.70 to 39.70): VN057833.D (-2598) (-)





#57

1,3-Dichloropropane

Concen: 19.127 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

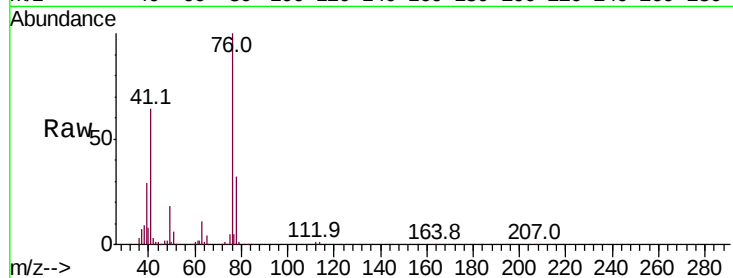
ClientSampled :

Tot Ion: 76 Resp: 161484

Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

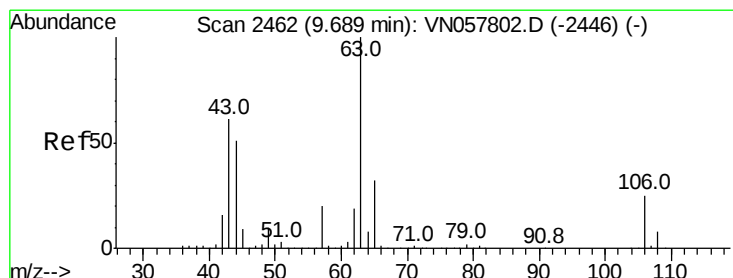
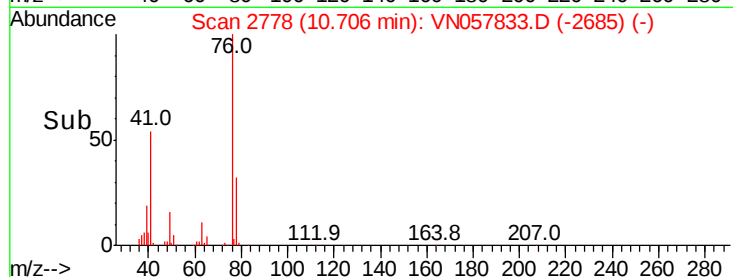
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 96.295 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057833.D

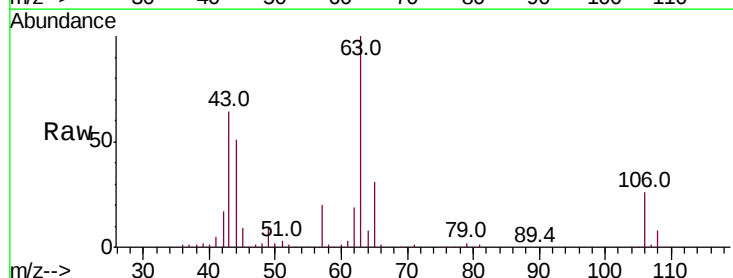
Acq: 10 Sep 2019 4:18

Tgt Ion: 63 Resp: 334590

Ion Ratio Lower Upper

63 100

106 25.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

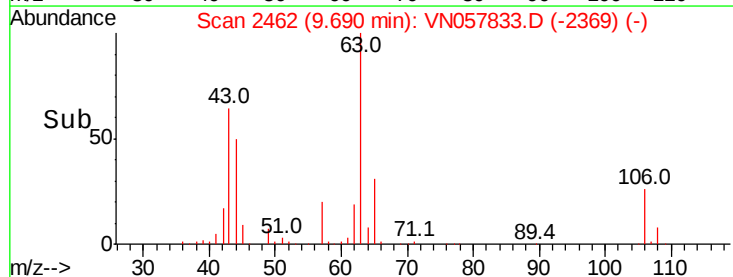
150000

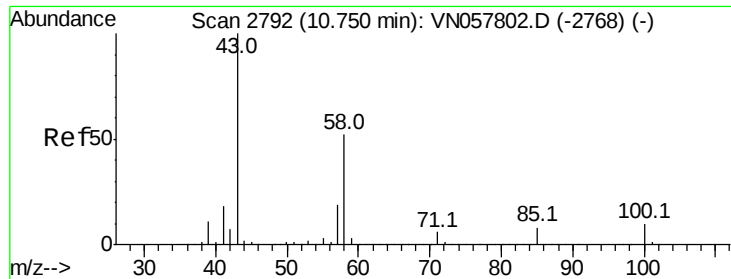
100000

50000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 94.602 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

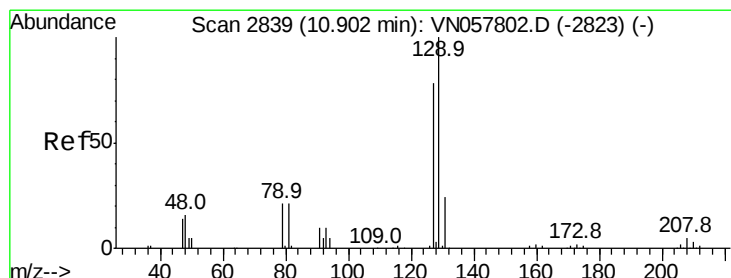
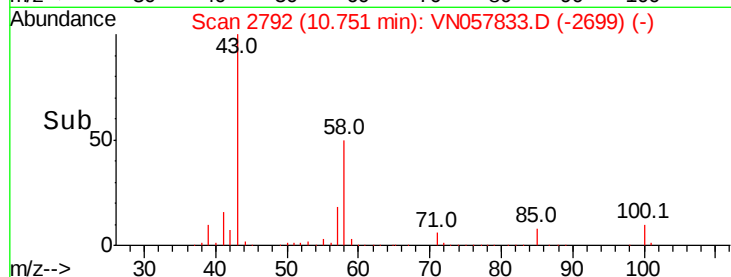
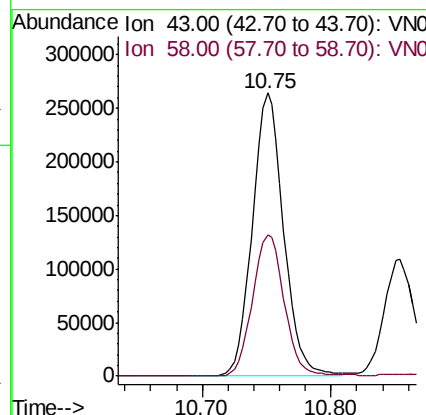
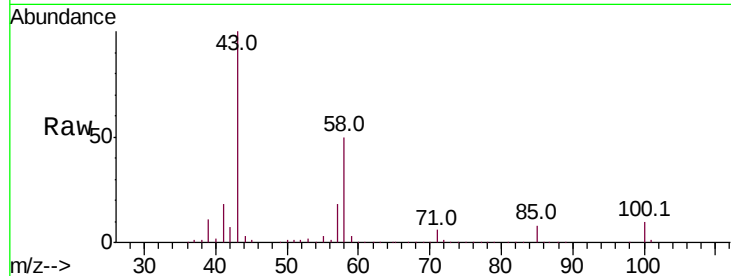
ClientSampled :

Tot Ion: 43 Resp: 444663

Ion Ratio Lower Upper

43 100

58 51.2 25.6 76.8



#60

Dibromochloromethane

Concen: 18.362 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057833.D

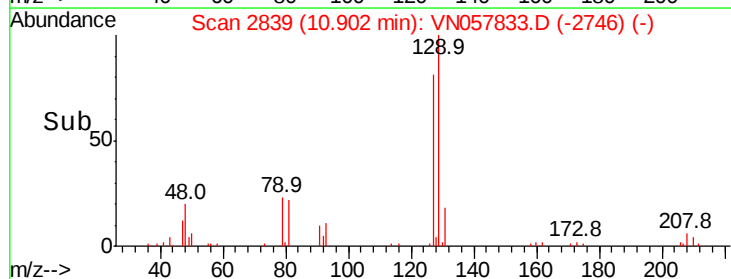
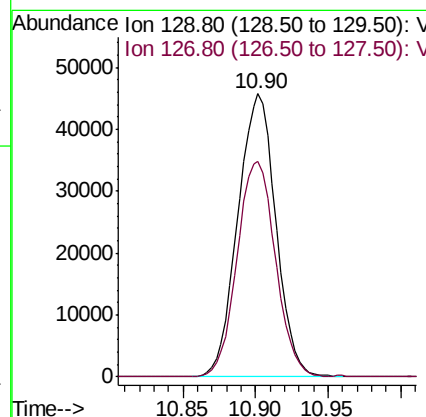
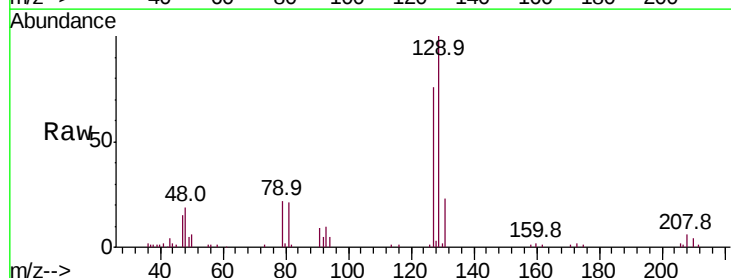
Acq: 10 Sep 2019 4:18

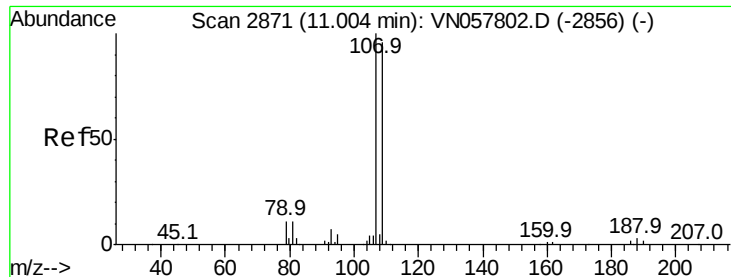
Tgt Ion: 129 Resp: 83531

Ion Ratio Lower Upper

129 100

127 76.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.858 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

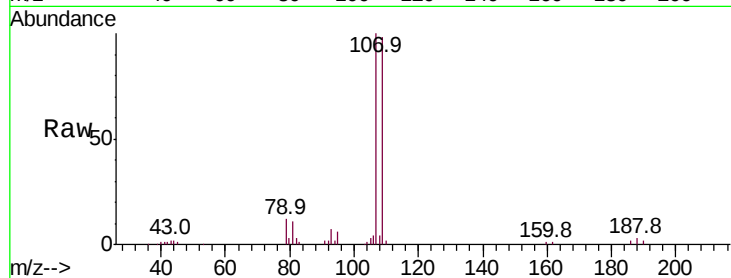
ClientSampled :

Tot Ion:107 Resp: 87341

Ion Ratio Lower Upper

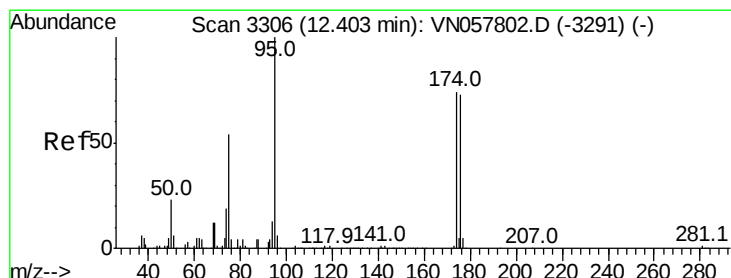
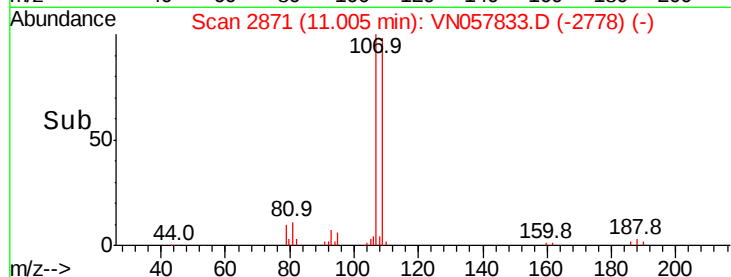
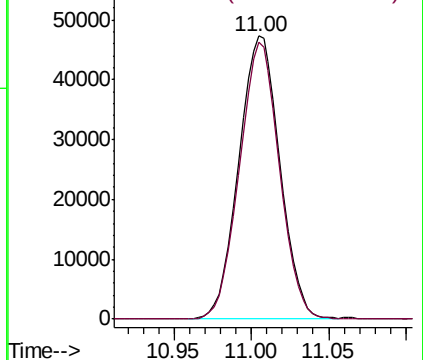
107 100

109 95.2 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.450 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

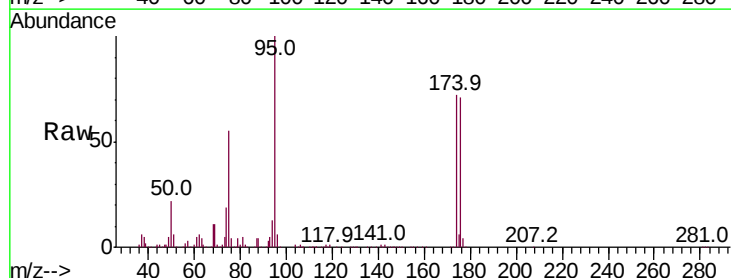
Tgt Ion: 95 Resp: 319228

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

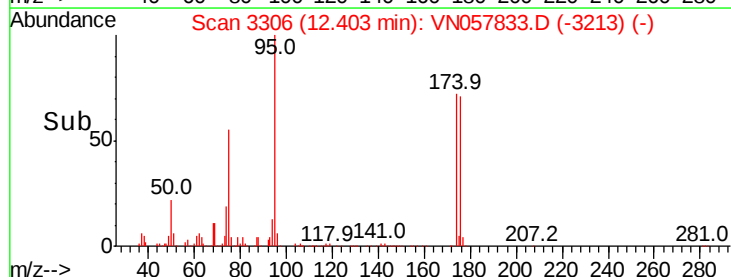
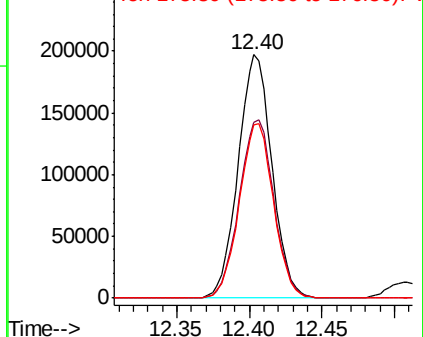
176 72.6 0.0 146.0

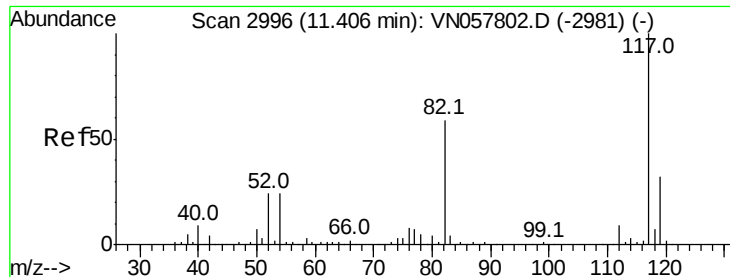


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

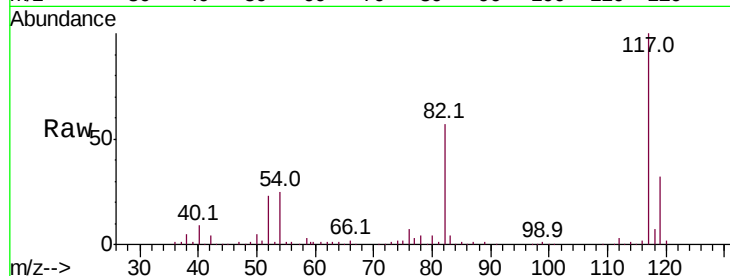




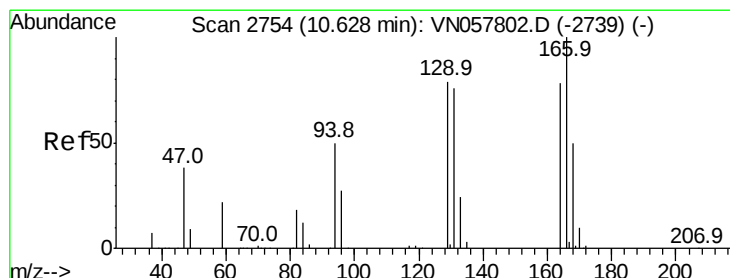
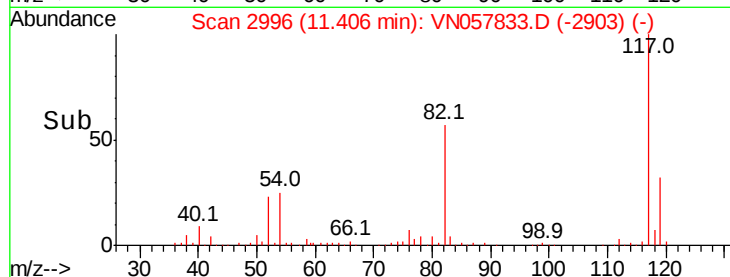
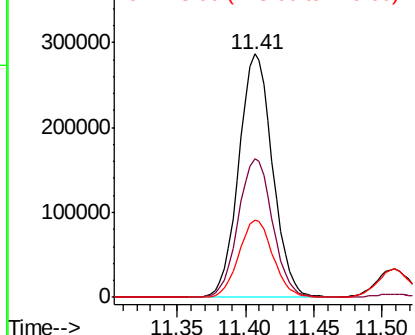
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 493117
Ion Ratio Lower Upper
117 100
82 57.0 47.2 70.8
119 31.7 25.3 37.9

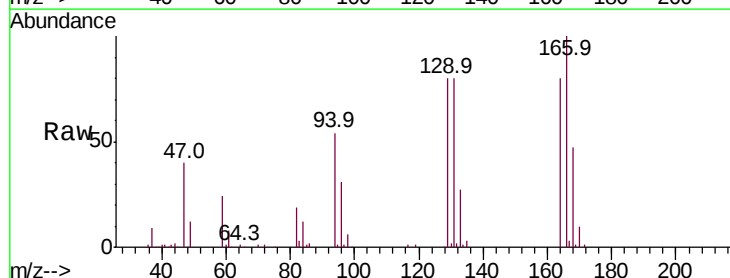


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

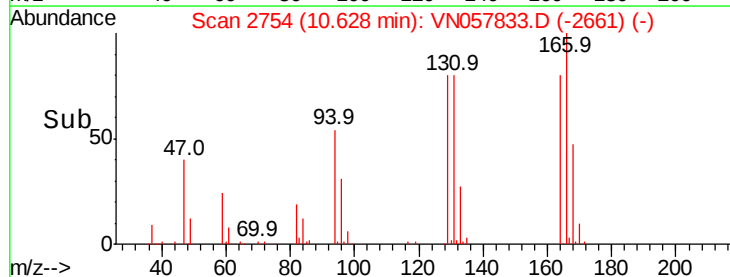
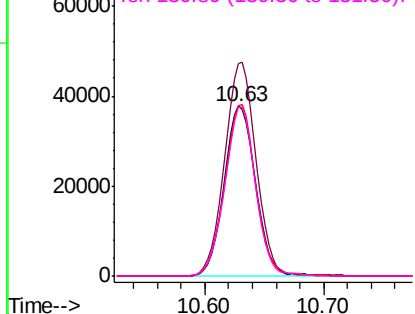


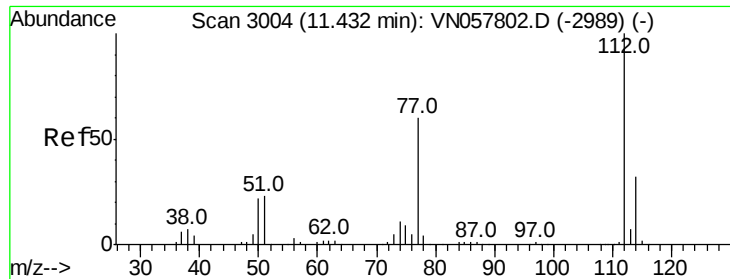
#64
Tetrachloroethene
Concen: 18.998 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion:164 Resp: 69172
Ion Ratio Lower Upper
164 100
166 125.5 102.2 153.2
129 100.3 80.8 121.2
131 99.8 77.4 116.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.576 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

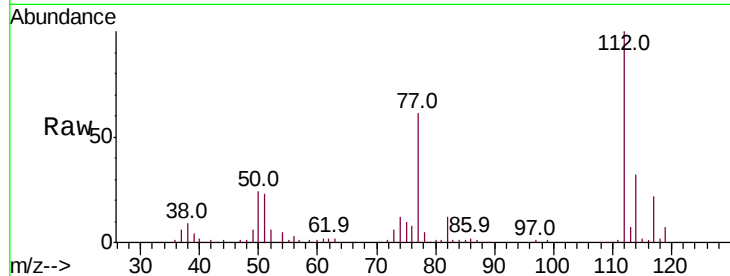
ClientSampleId :

Tot Ion:112 Resp: 239729

Ion Ratio Lower Upper

112 100

114 32.1 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

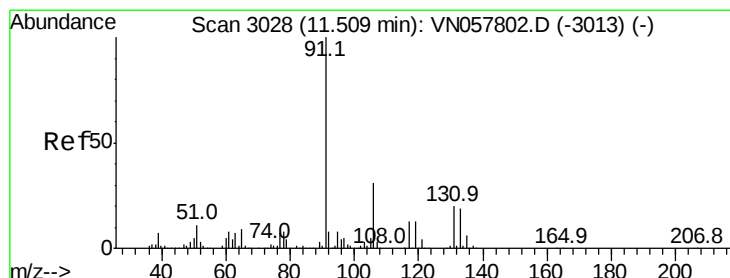
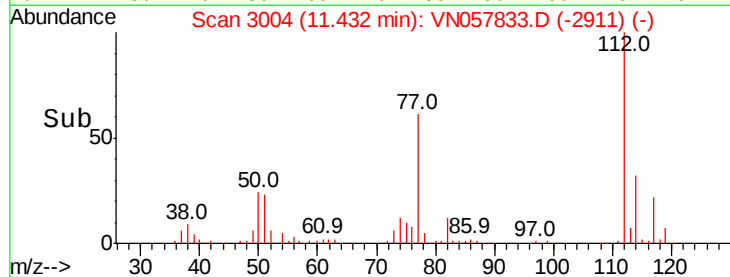
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.409 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

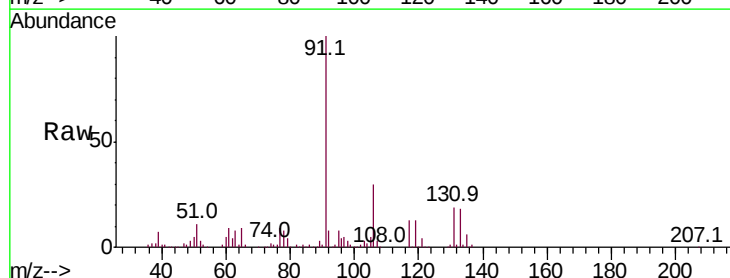
Tgt Ion:131 Resp: 82437

Ion Ratio Lower Upper

131 100

133 97.1 47.1 141.3

119 67.9 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

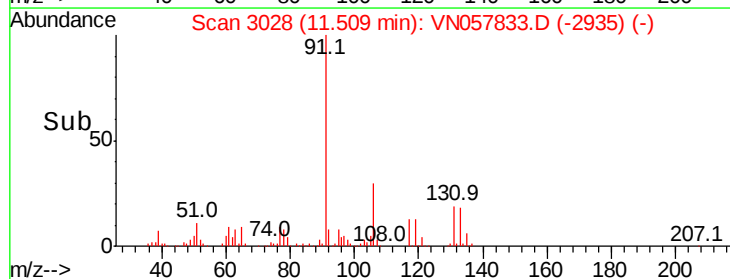
60000

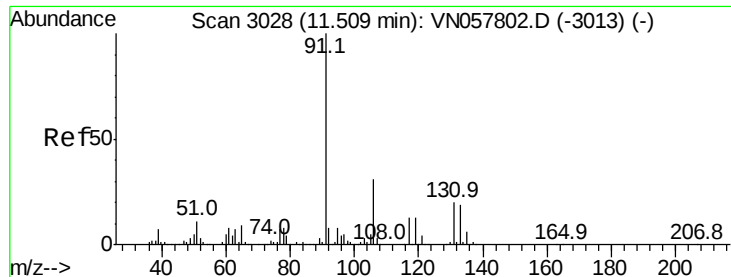
40000

20000

0

Time-->

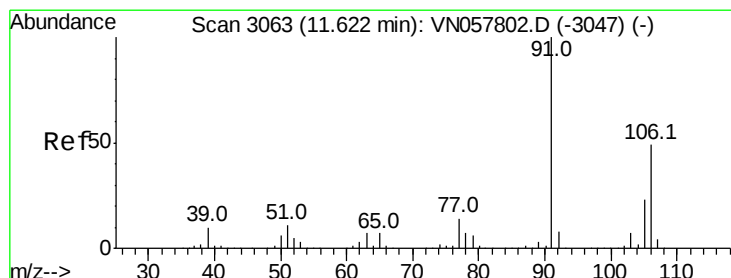
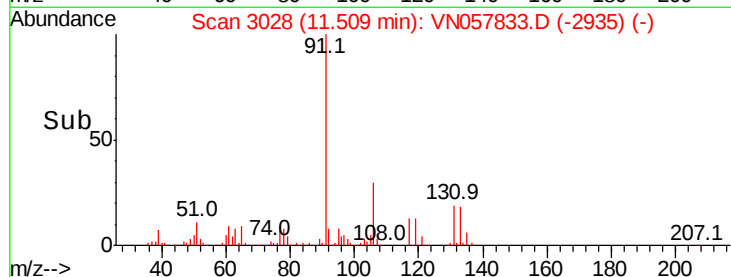
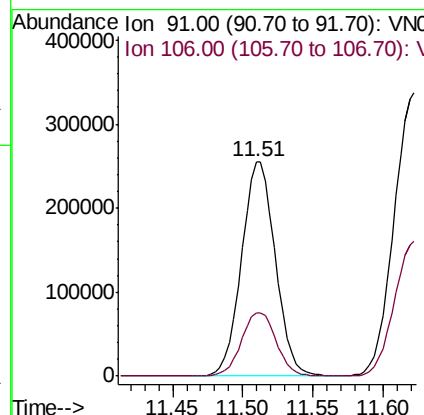
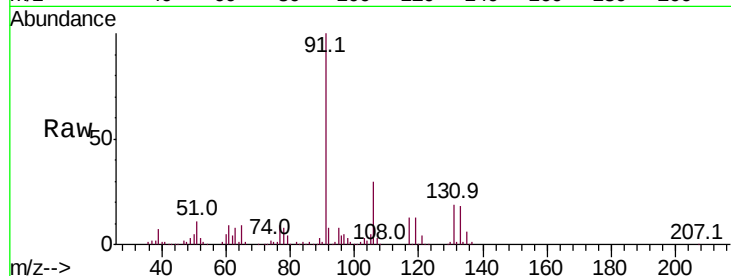




#67
Ethyl Benzene
Concen: 18.980 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

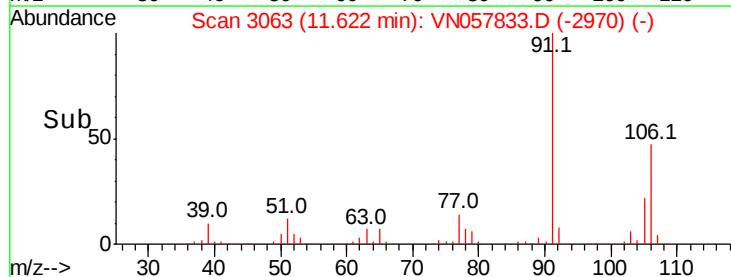
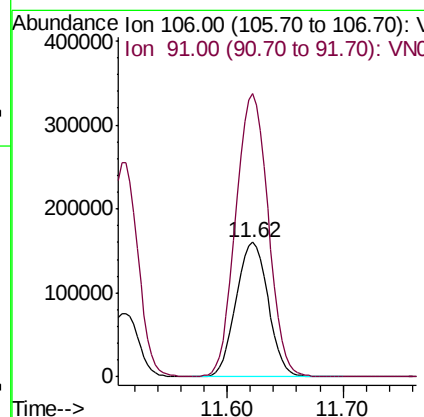
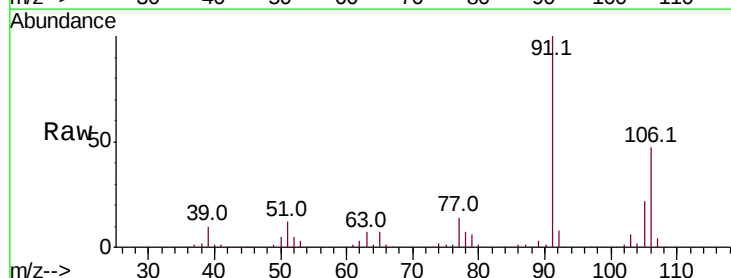
Instrument :
MSVOA_N
ClientSampled :

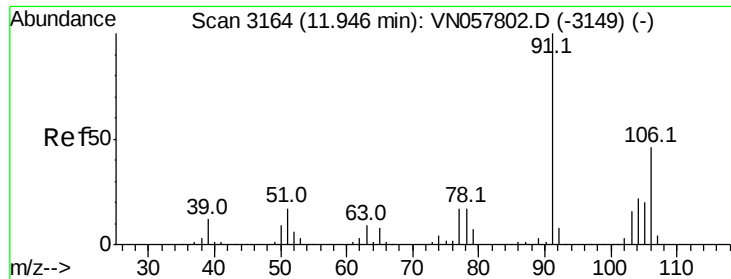
Tot Ion: 91 Resp: 429262
Ion Ratio Lower Upper
91 100
106 29.5 24.4 36.6



#68
m/p-Xylenes
Concen: 37.302 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion: 106 Resp: 309031
Ion Ratio Lower Upper
106 100
91 210.7 165.8 248.6

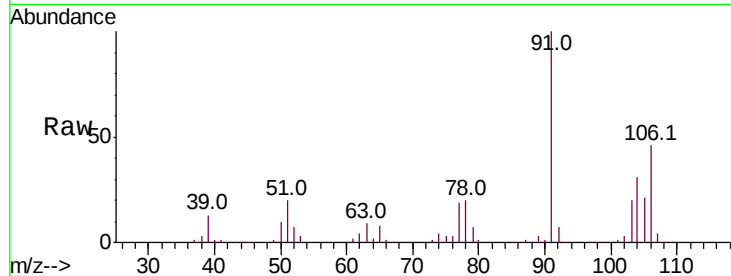




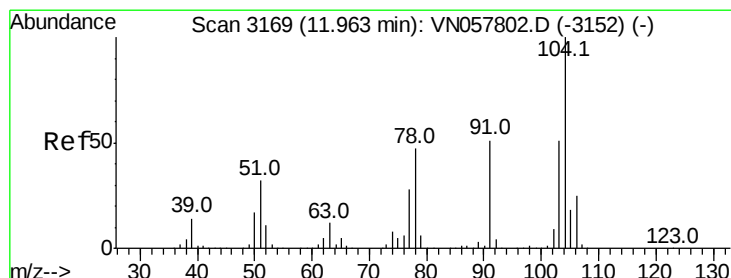
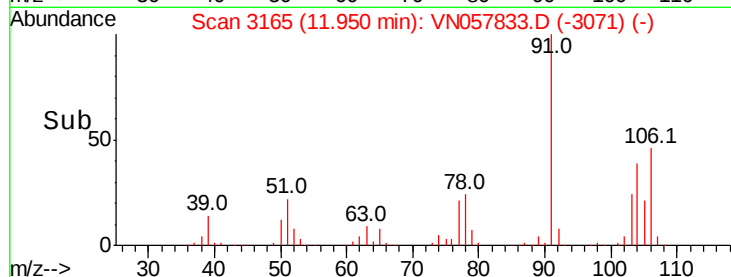
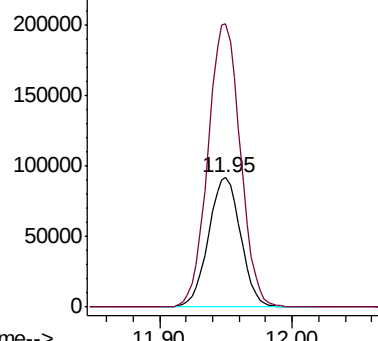
#69
o-Xylene
Concen: 18.819 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 154999
Ion Ratio Lower Upper
106 100
91 220.4 108.7 326.1

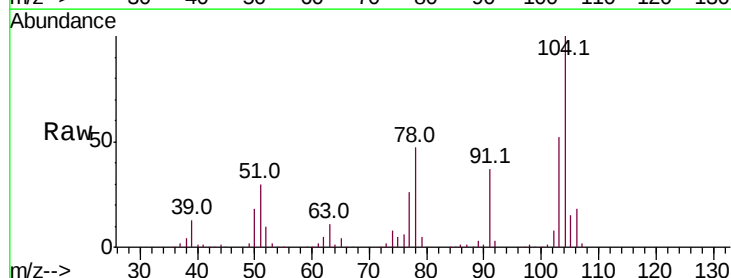


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

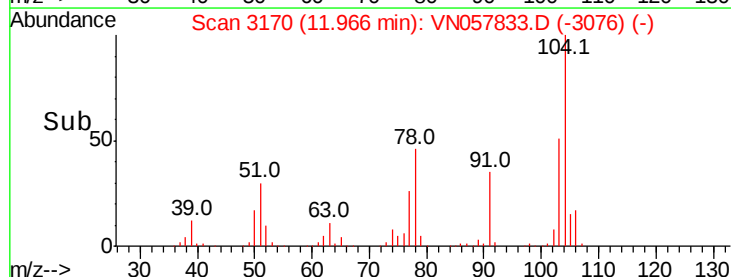
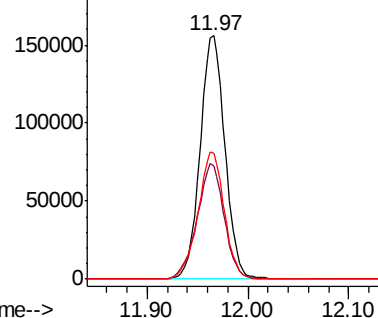


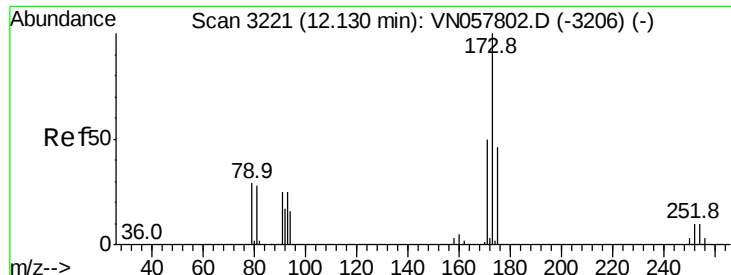
#70
Styrene
Concen: 18.923 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion:104 Resp: 268222
Ion Ratio Lower Upper
104 100
78 51.7 41.3 61.9
103 55.3 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.159 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

ClientSampleId :

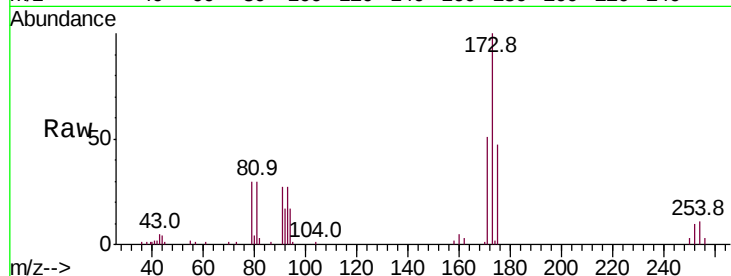
Tot Ion:173 Resp: 47905

Ion Ratio Lower Upper

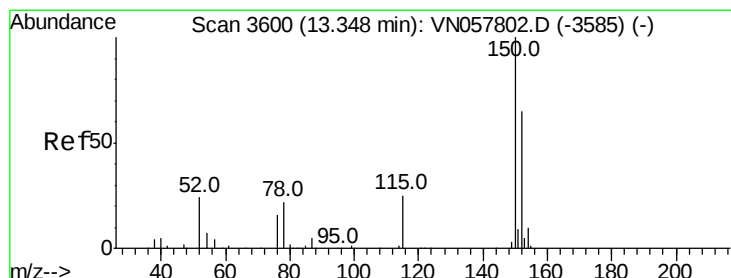
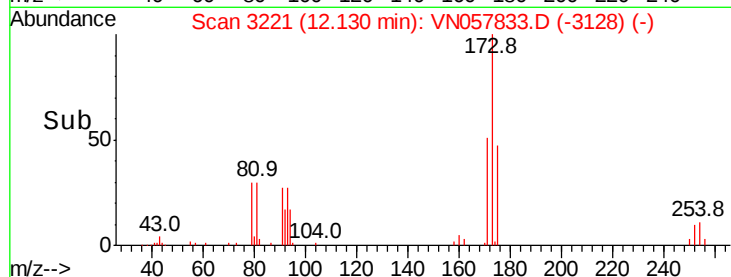
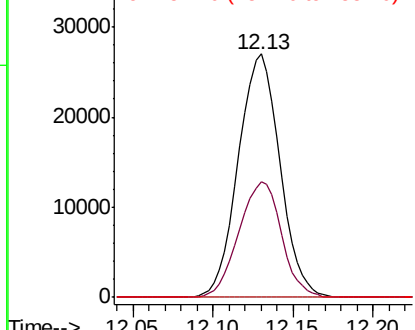
173 100

175 48.5 23.5 70.6

254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

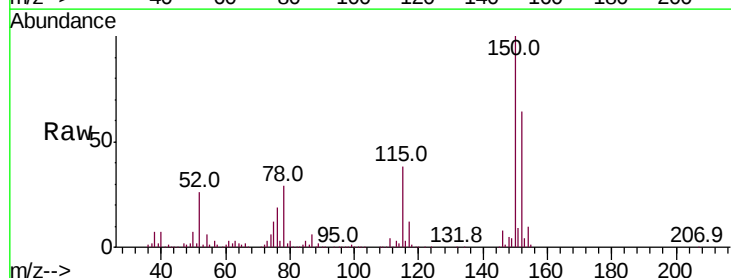
Tgt Ion:152 Resp: 280256

Ion Ratio Lower Upper

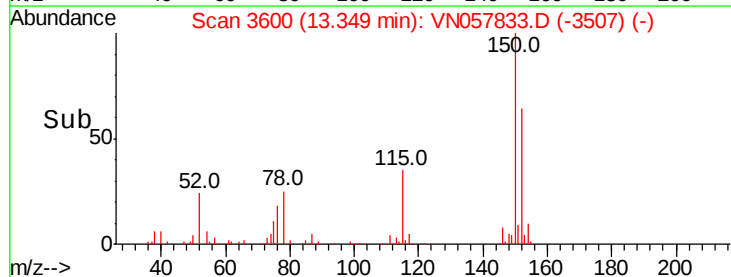
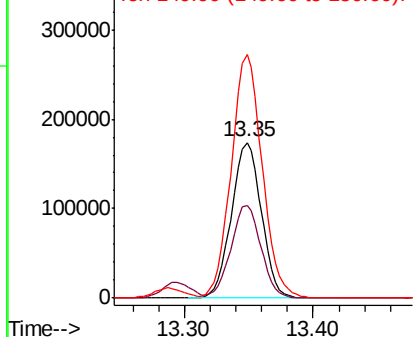
152 100

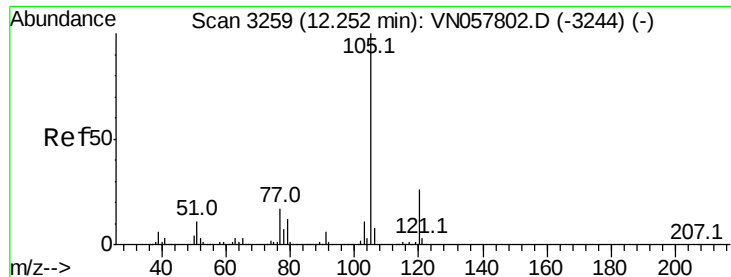
115 59.7 30.3 91.0

150 161.9 0.0 352.4



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: 19.944 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

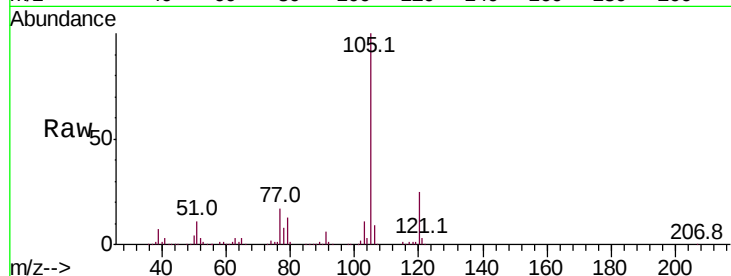
ClientSampleId :

Tot Ion:105 Resp: 433716

Ion Ratio Lower Upper

105 100

120 25.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

150000

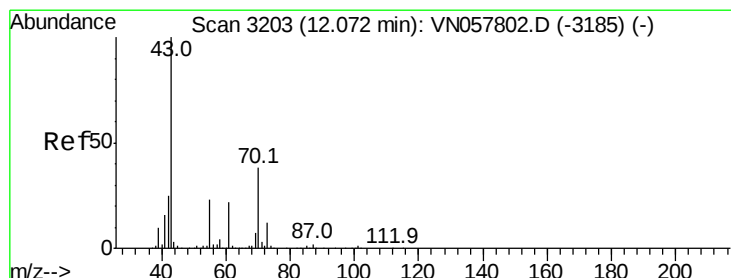
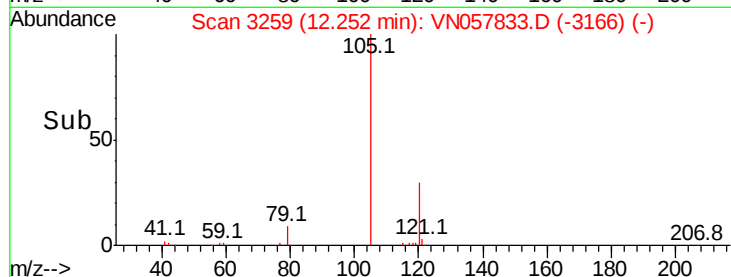
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 18.742 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Tgt Ion: 43 Resp: 177379

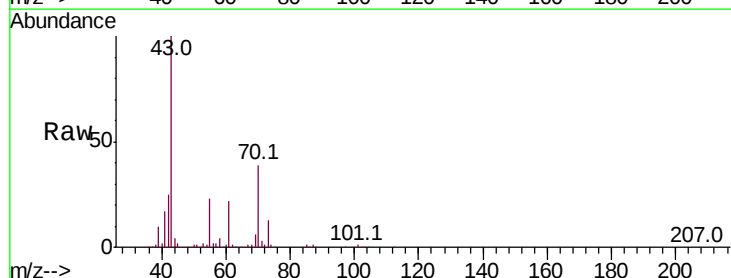
Ion Ratio Lower Upper

43 100

70 39.2 30.6 45.8

55 24.4 18.6 27.8

61 22.8 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

12.07

150000

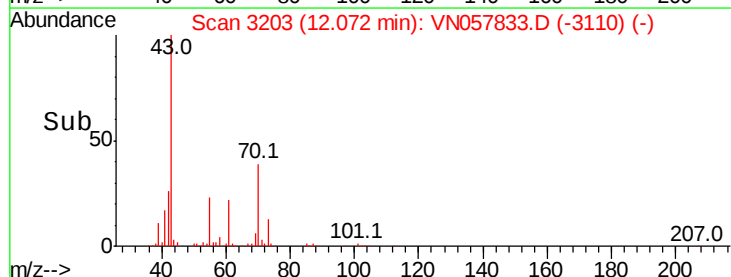
100000

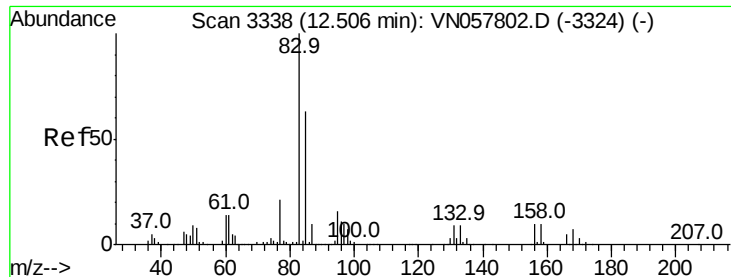
50000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 19.279 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

ClientSampled :

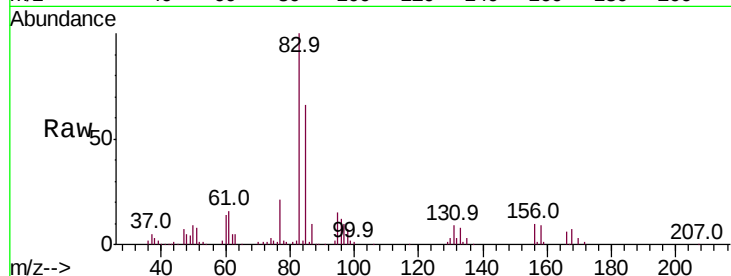
Tot Ion: 83 Resp: 141162

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 63.2 31.6 94.7

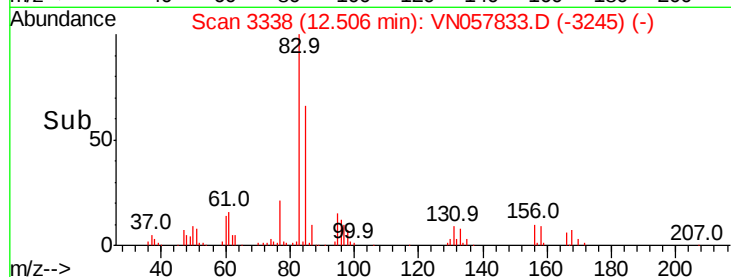


Abundance Ion 82.90 (82.60 to 83.60): VN057802.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN057802.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN057802.D (-3324) (-)

Time-->

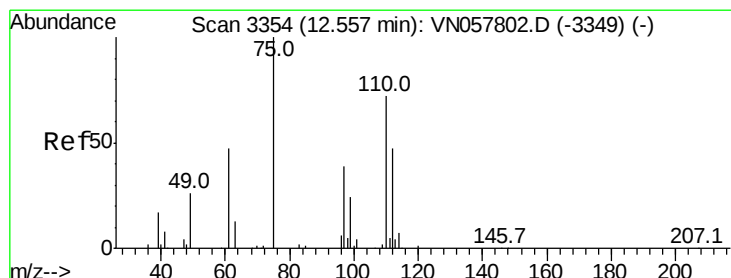


Abundance Ion 82.90 (82.60 to 83.60): VN057833.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN057833.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN057833.D (-3245) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.624 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057833.D

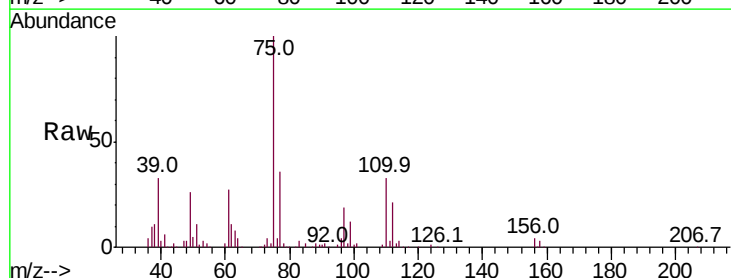
Acq: 10 Sep 2019 4:18

Tgt Ion: 75 Resp: 162456

Ion Ratio Lower Upper

75 100

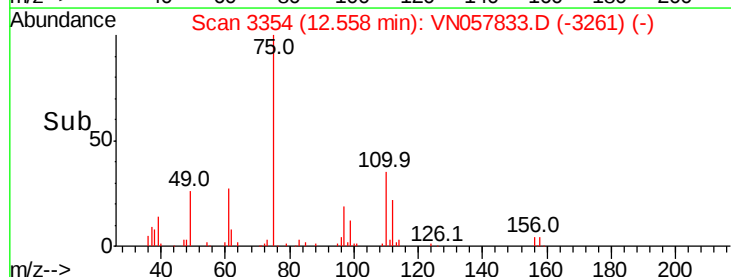
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN057802.D (-3349) (-)

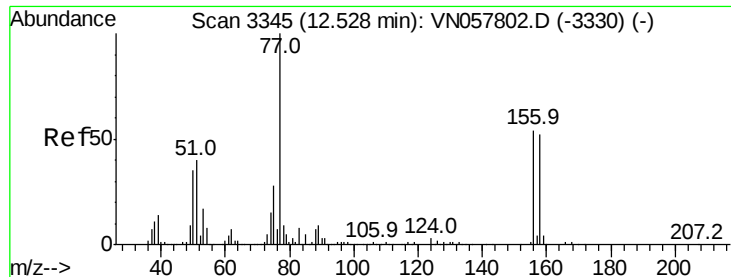
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN057833.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN057833.D (-3261) (-)

Time-->



#77

Bromobenzene

Concen: 18.723 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

ClientSampled :

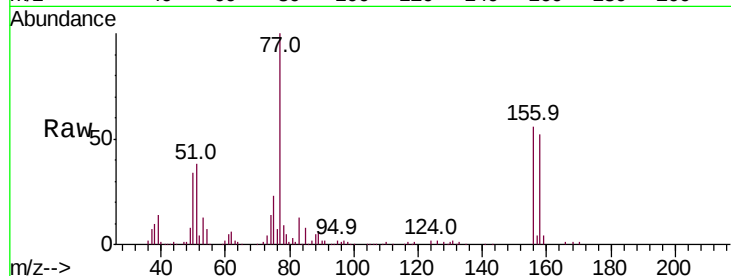
Tot Ion:156 Resp: 101514

Ion Ratio Lower Upper

156 100

77 219.7 113.7 341.1

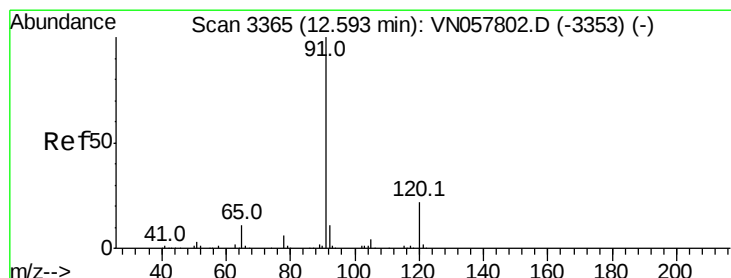
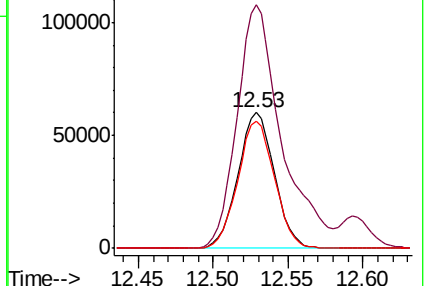
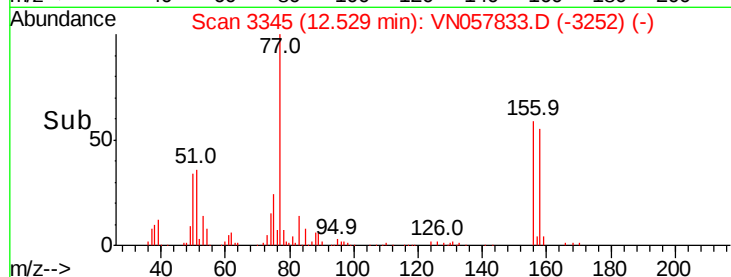
158 94.8 48.5 145.6



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: 19.807 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057833.D

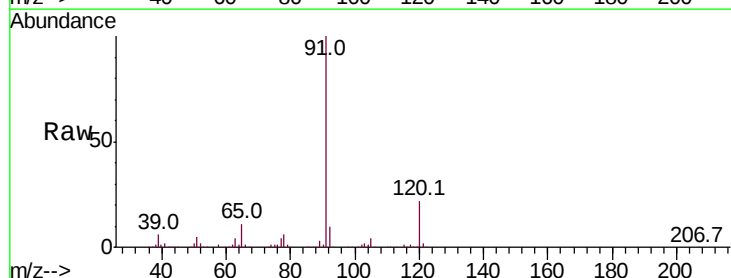
Acq: 10 Sep 2019 4:18

Tgt Ion: 91 Resp: 494625

Ion Ratio Lower Upper

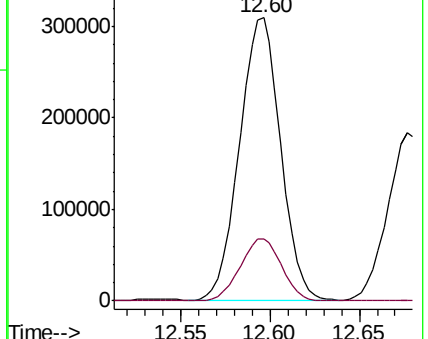
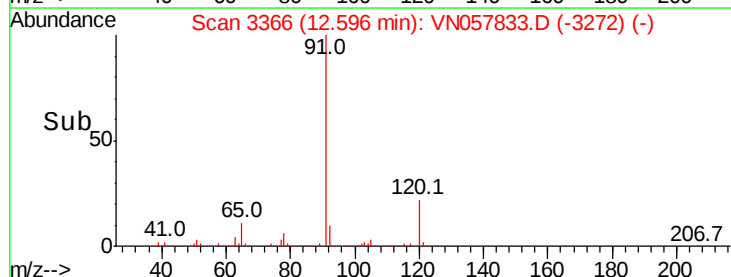
91 100

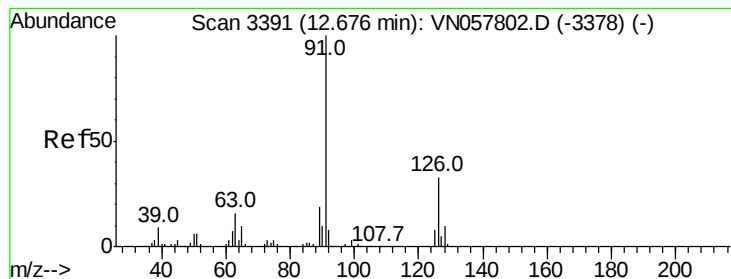
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.911 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

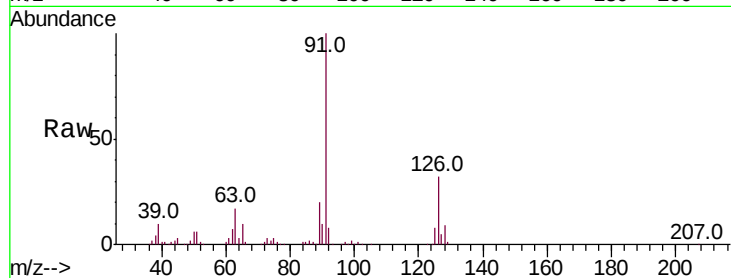
ClientSampled :

Tot Ion: 91 Resp: 298475

Ion Ratio Lower Upper

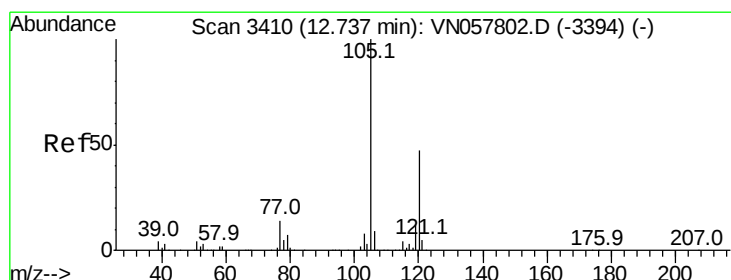
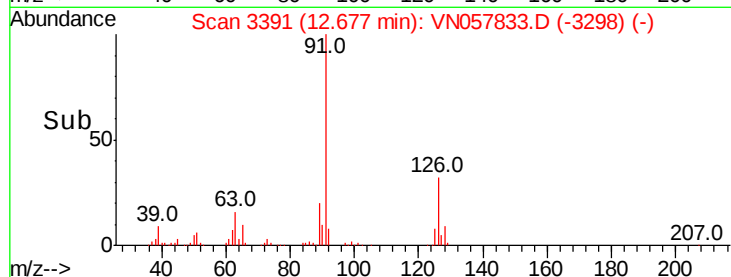
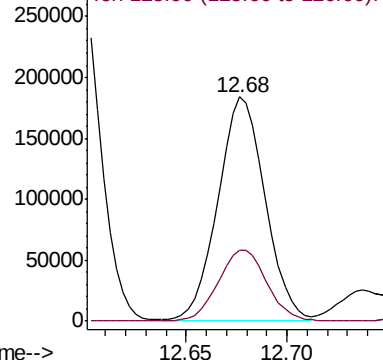
91 100

126 32.9 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.761 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057833.D

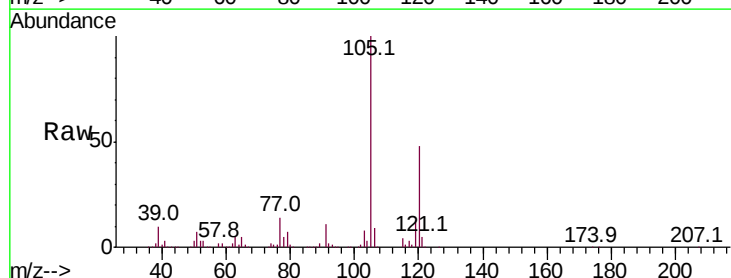
Acq: 10 Sep 2019 4:18

Tgt Ion:105 Resp: 363111

Ion Ratio Lower Upper

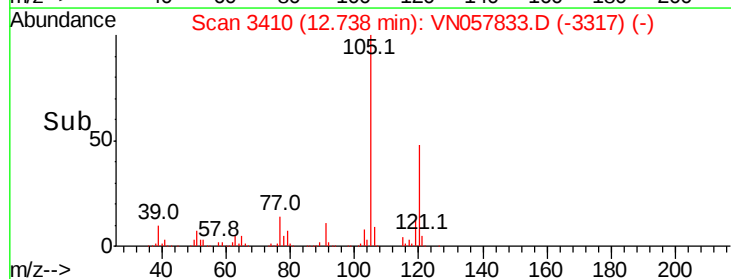
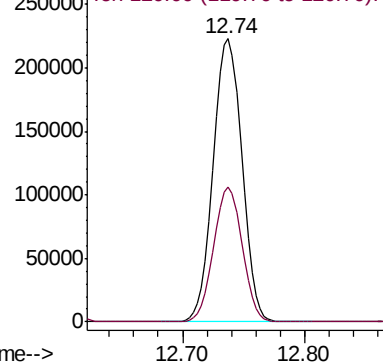
105 100

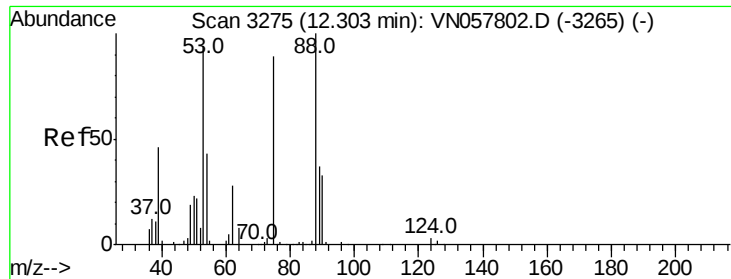
120 47.2 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.134 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA_N

ClientSampleId :

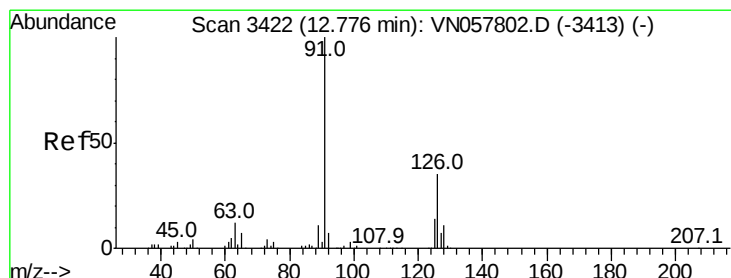
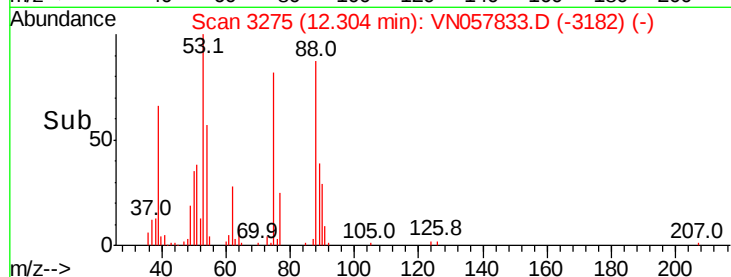
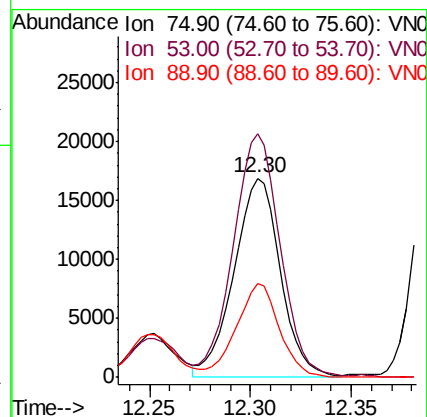
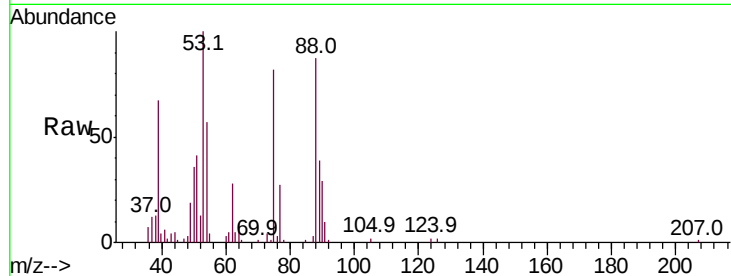
Tot Ion: 75 Resp: 27265

Ion Ratio Lower Upper

75 100

53 121.8 88.4 132.6

89 43.7 35.3 52.9



#82

4-Chlorotoluene

Concen: 18.997 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057833.D

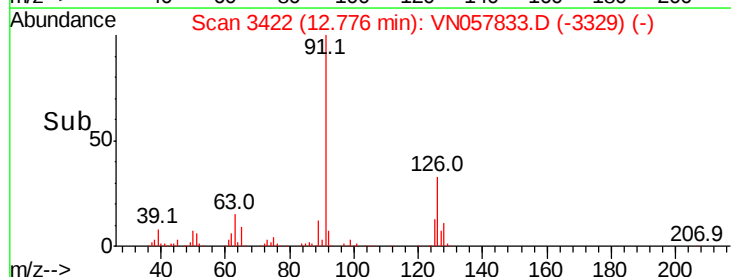
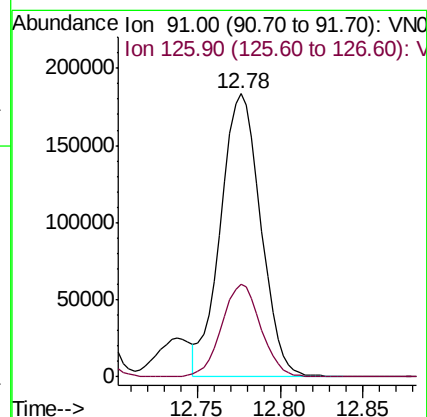
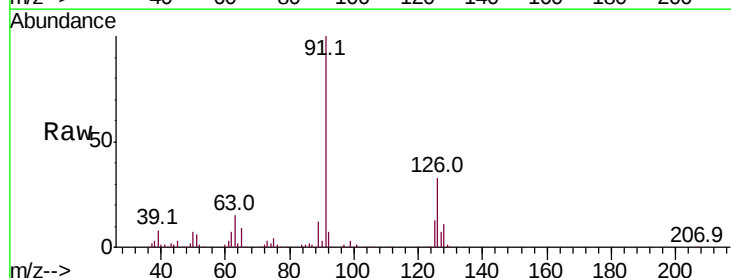
Acq: 10 Sep 2019 4:18

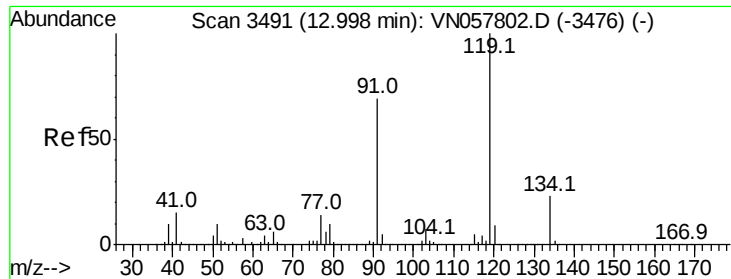
Tgt Ion: 91 Resp: 307908

Ion Ratio Lower Upper

91 100

126 31.8 16.0 48.0

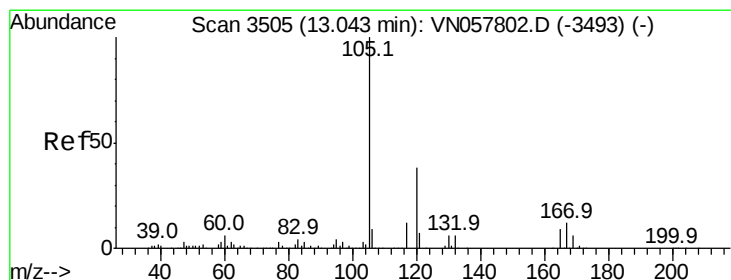
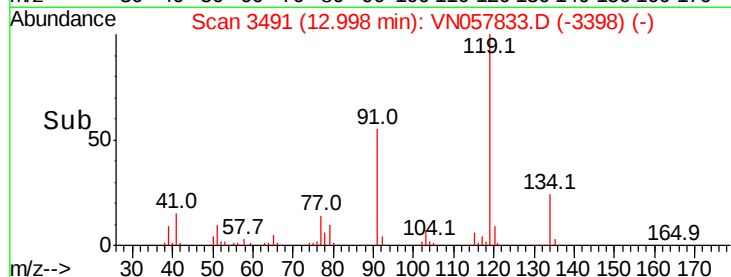
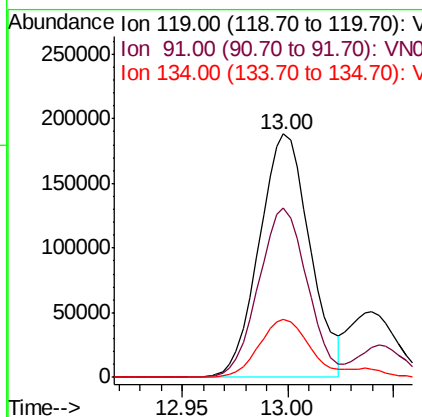
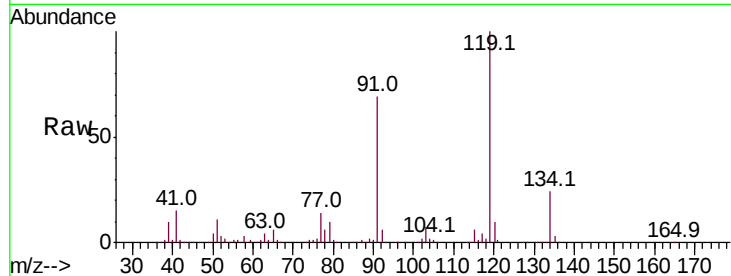




#83
tert-Butylbenzene
Concen: 19.289 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

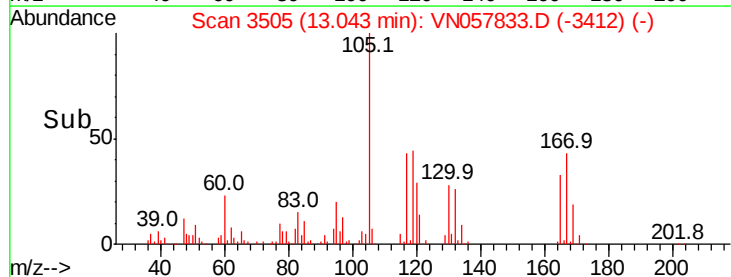
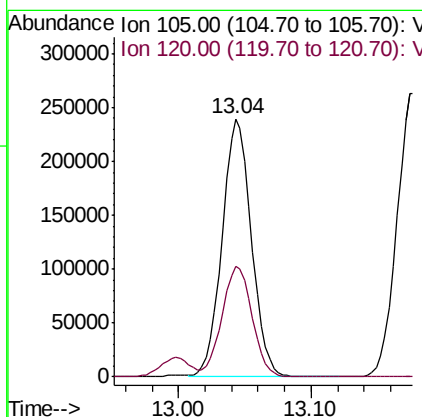
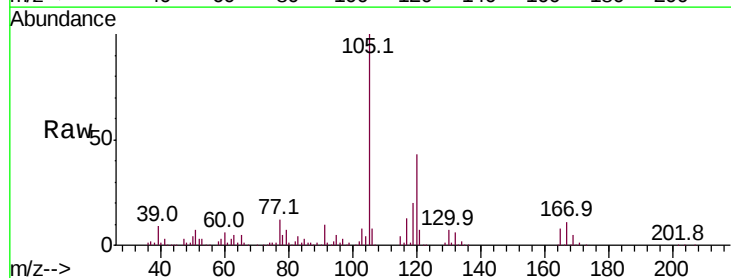
Instrument :
MSVOA_N
ClientSampled :

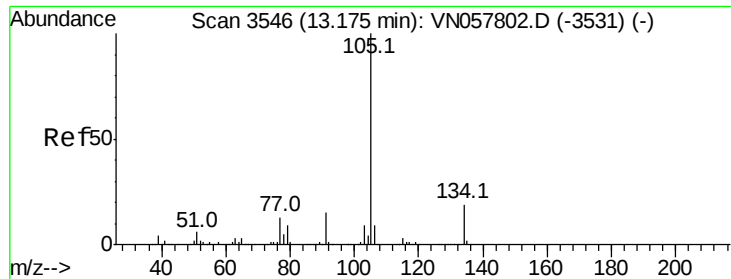
Tot Ion:119 Resp: 315056
Ion Ratio Lower Upper
119 100
91 67.7 33.6 100.8
134 23.7 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 19.532 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion:105 Resp: 364769
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.2

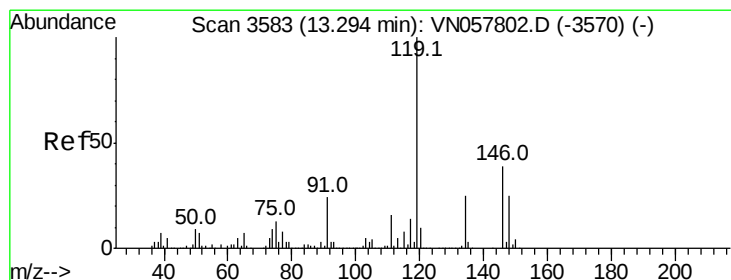
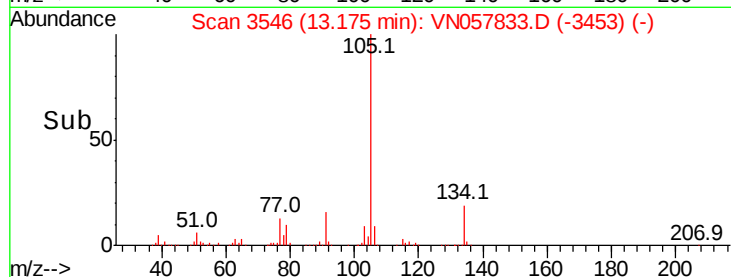
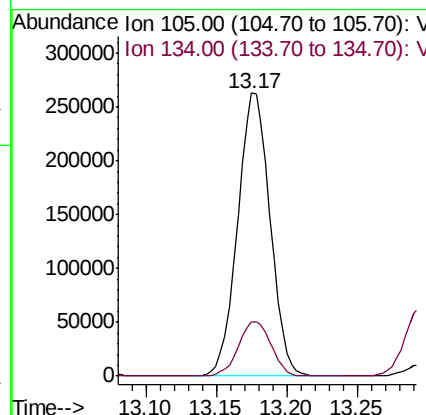
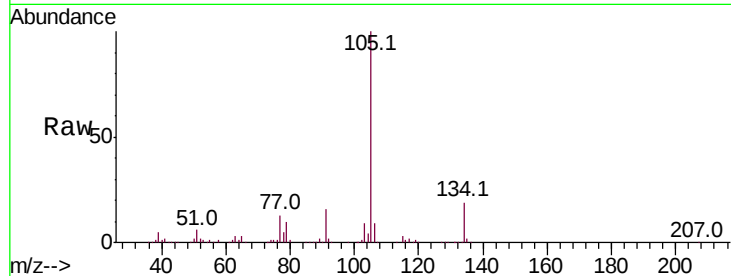




#85
 sec-Butylbenzene
 Concen: 19.547 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

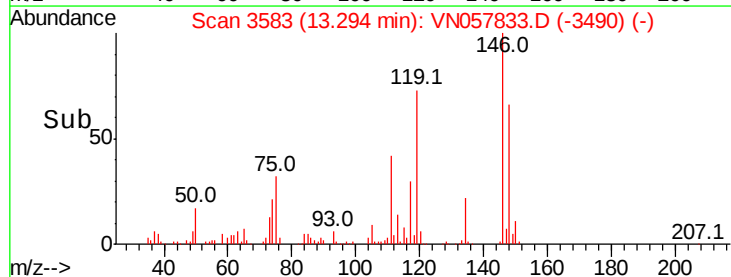
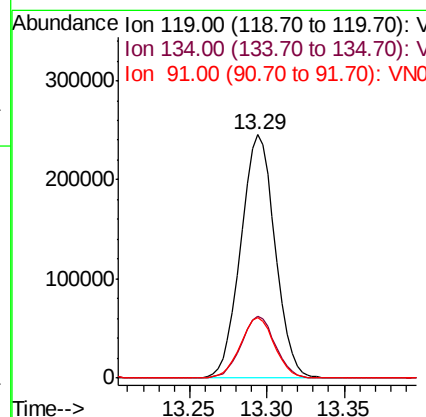
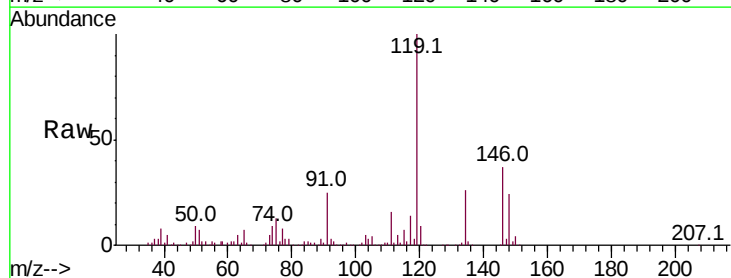
Instrument :
 MSVOA_N
 ClientSampled :

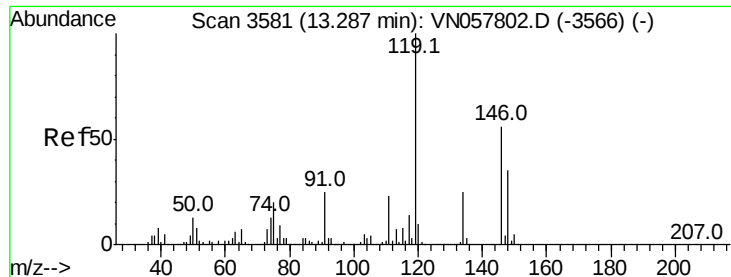
Tot Ion:105 Resp: 423161
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 19.790 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Tgt Ion:119 Resp: 377489
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.5 37.5
 91 24.5 12.3 36.8

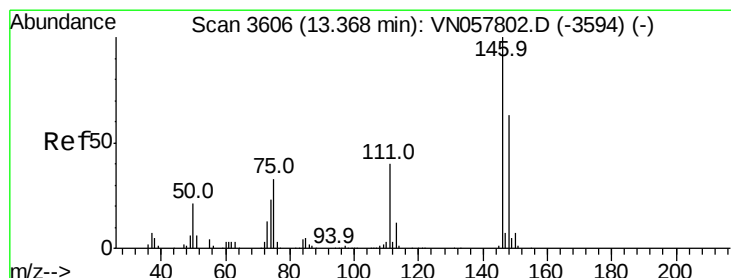
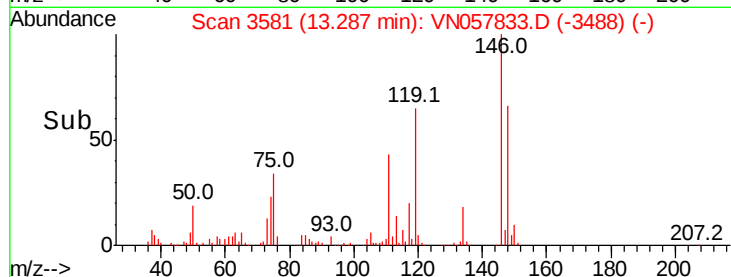
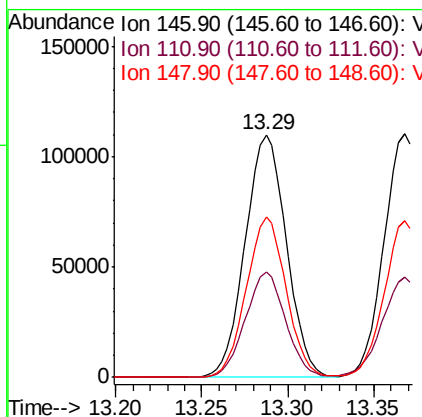
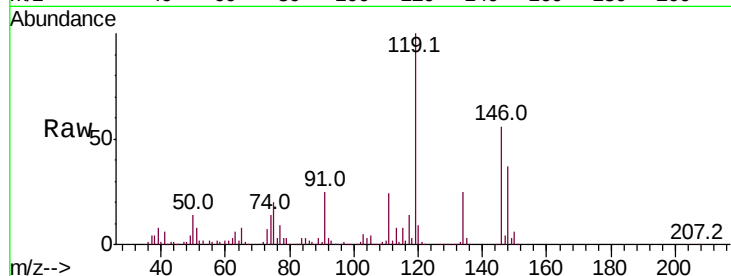




#87
 1,3-Dichlorobenzene
 Concen: 18.355 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

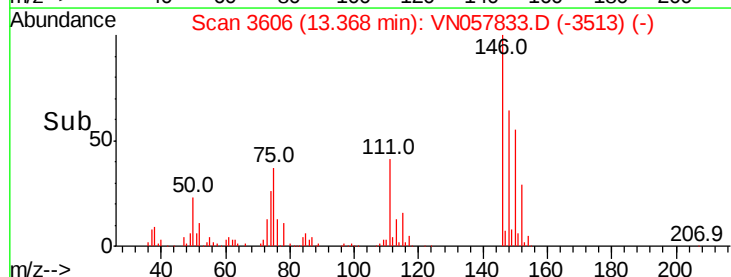
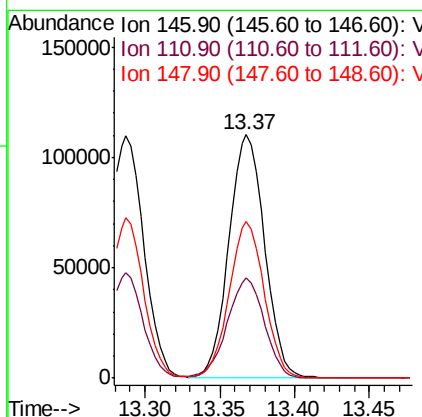
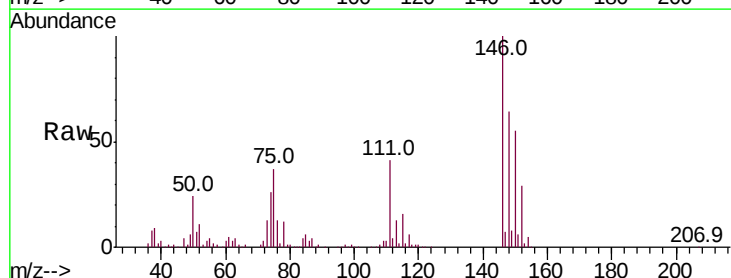
Instrument :
 MSVOA_N
 ClientSampled :

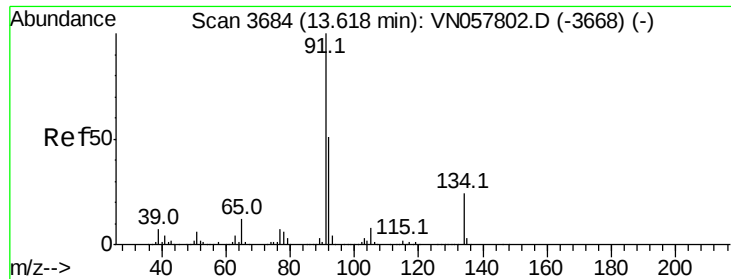
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.5	61.6
148	63.7	31.5	94.5



#88
 1,4-Dichlorobenzene
 Concen: 18.080 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.4	61.2
148	63.3	31.8	95.4

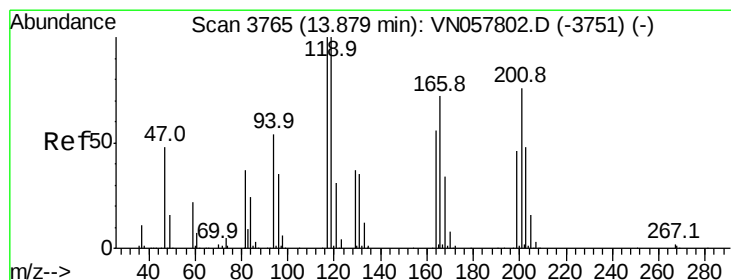
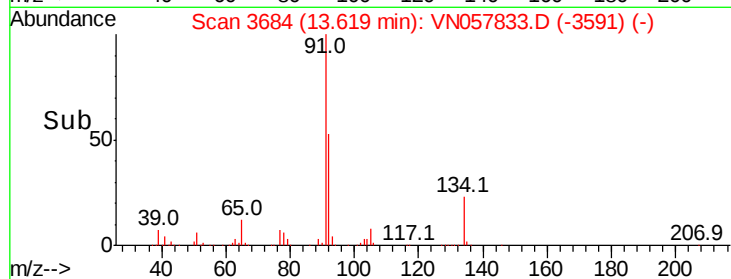
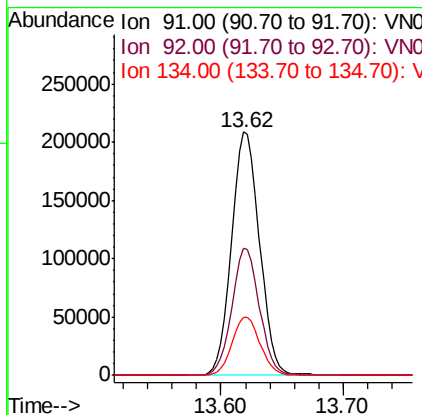
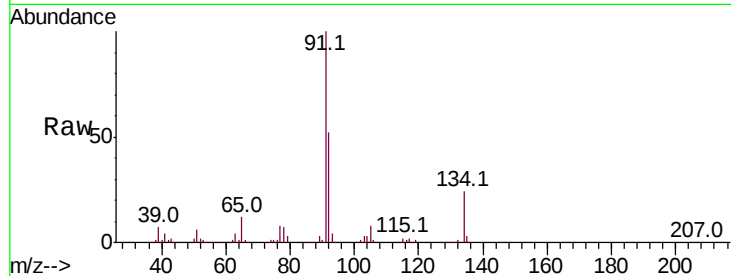




#89
n-Butylbenzene
Concen: 18.552 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

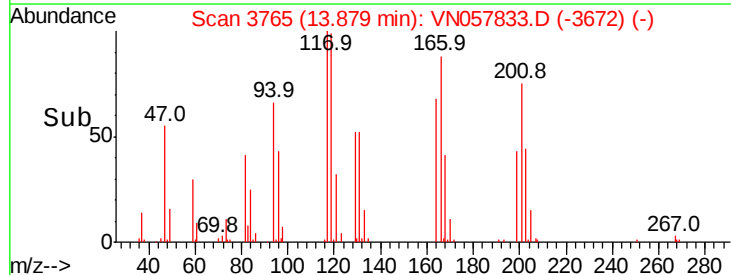
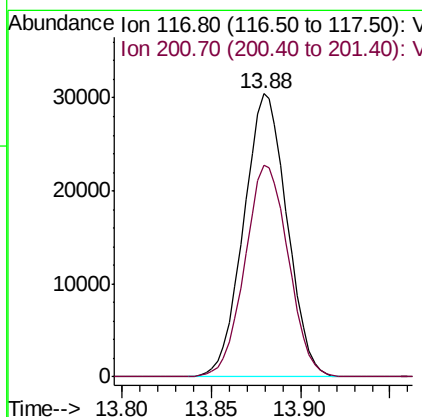
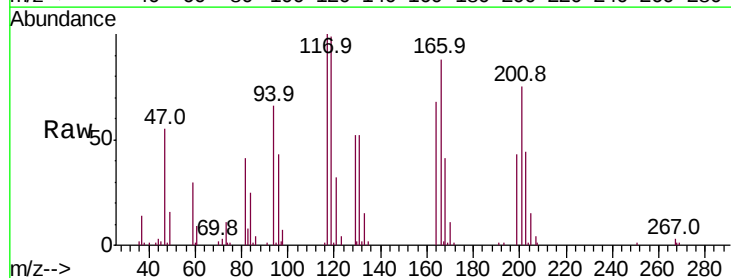
Instrument :
MSVOA_N
ClientSampled :

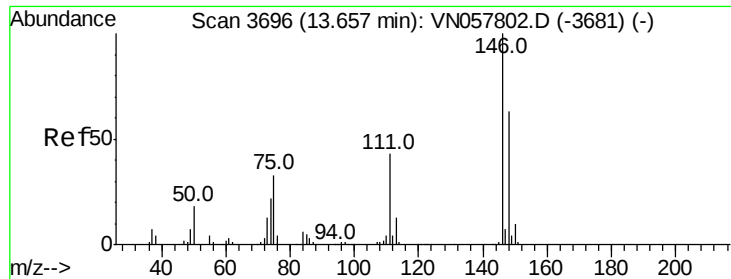
Tot Ion: 91 Resp: 334184
Ion Ratio Lower Upper
91 100
92 51.4 25.7 77.0
134 23.9 11.9 35.7



#90
Hexachloroethane
Concen: 18.227 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion: 117 Resp: 51706
Ion Ratio Lower Upper
117 100
201 75.0 37.5 112.7

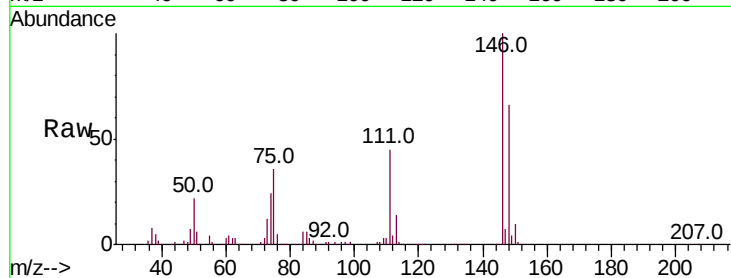




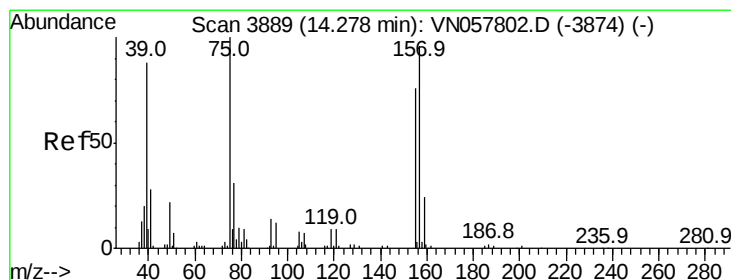
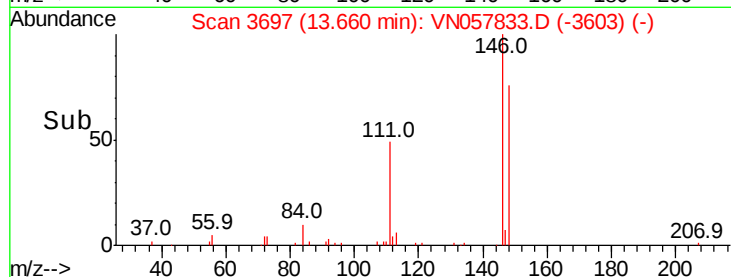
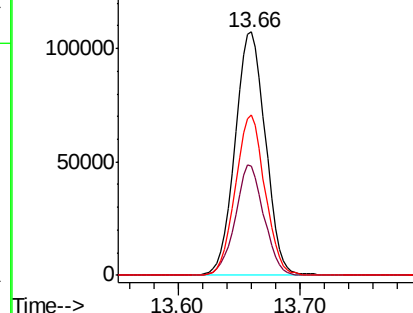
#91
 1,2-Dichlorobenzene
 Concen: 18.728 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	64.1	31.4	94.3

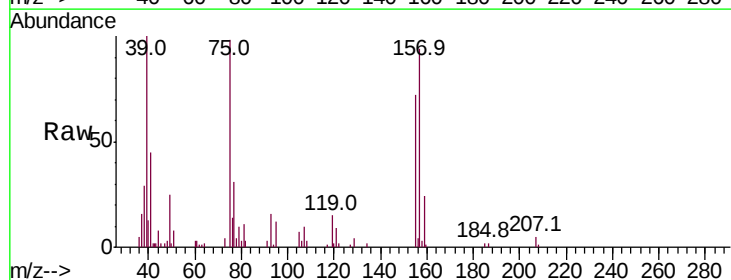


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

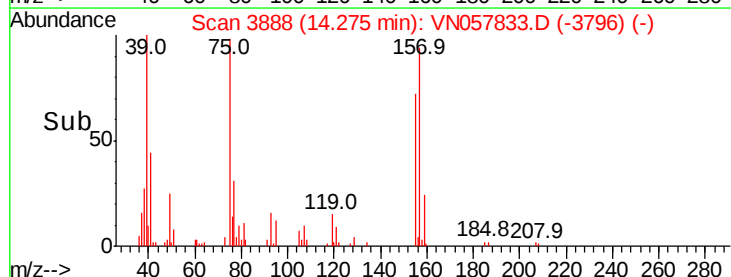
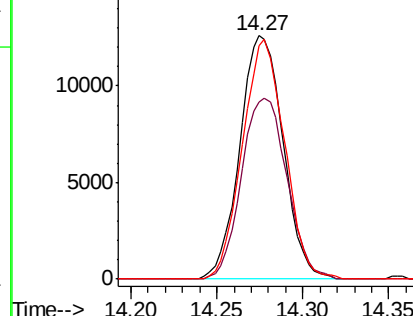


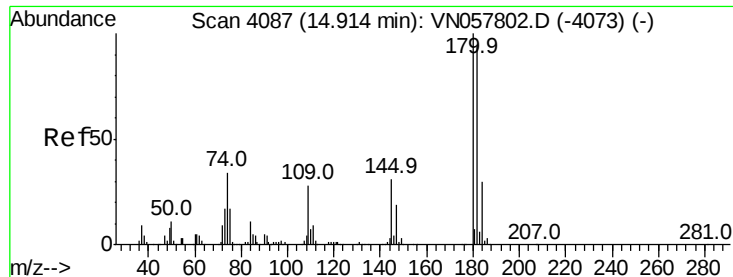
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.224 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	37.3	111.8
157	96.0	47.9	143.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

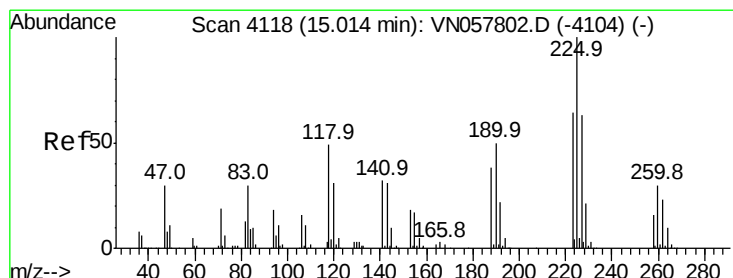
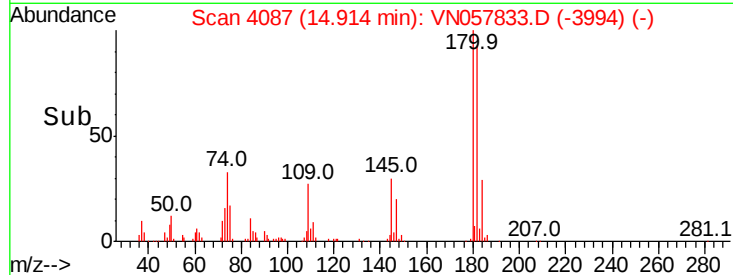
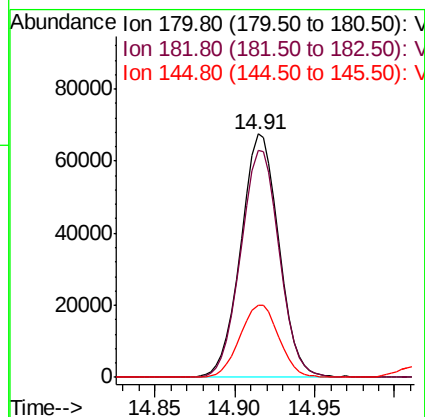
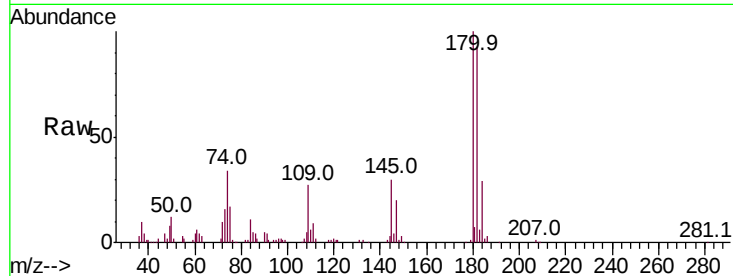




#93
 1,2,4-Trichlorobenzene
 Concen: 16.817 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

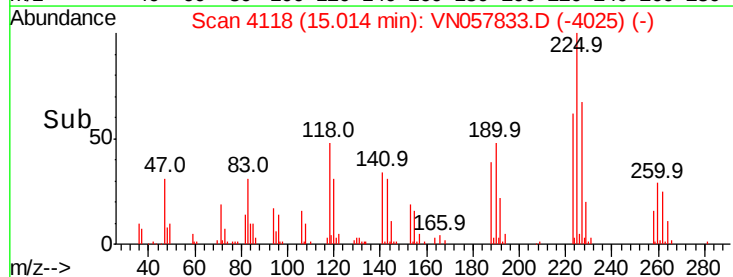
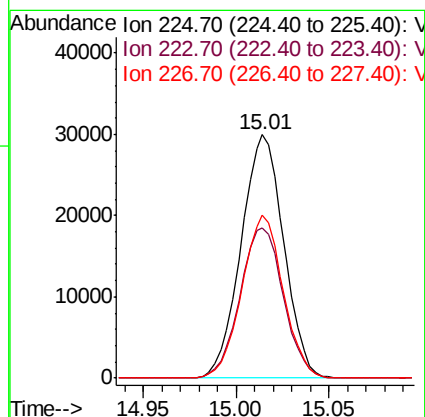
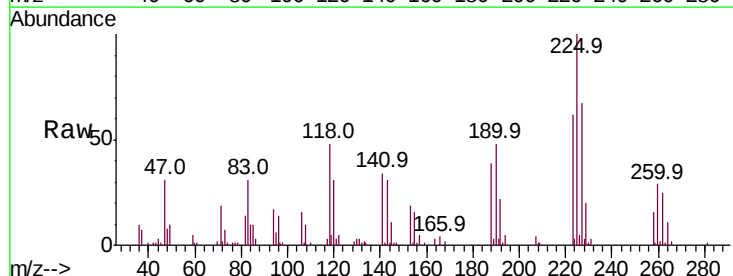
Instrument :
 MSVOA_N
 ClientSampled :

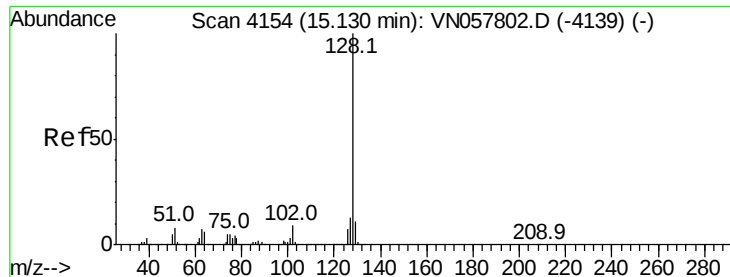
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	46.9	140.8	
145	30.5	14.9	44.7	



#94
 Hexachlorobutadiene
 Concen: 17.416 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057833.D
 Acq: 10 Sep 2019 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	32.4	97.2	
227	64.5	31.8	95.4	

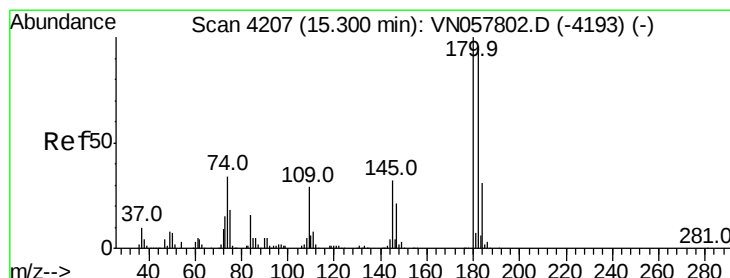
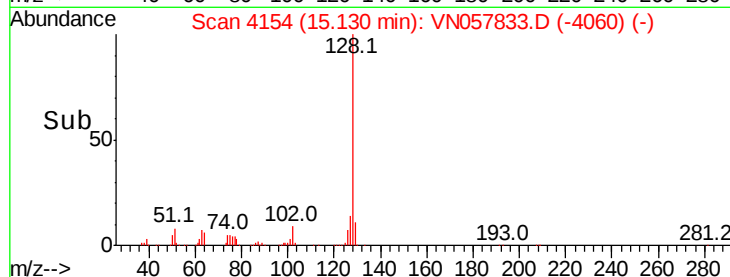
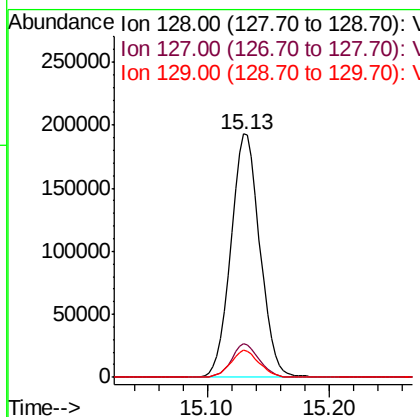
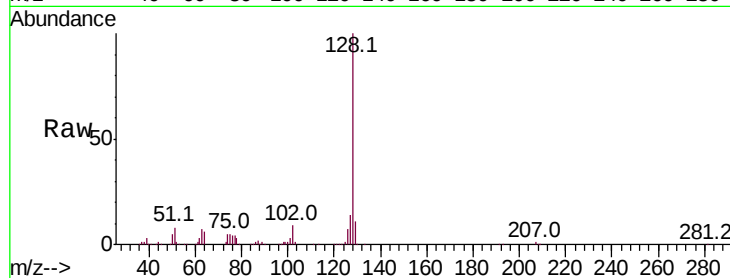




#95
Naphthalene
Concen: 18.495 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 319682
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.196 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057833.D
Acq: 10 Sep 2019 4:18

Tgt Ion:180 Resp: 105345
Ion Ratio Lower Upper
180 100
182 94.6 48.3 144.8
145 31.8 16.3 48.8

