

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052643.D
 Acq On : 3 Dec 2018 20:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 04 00:35:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	964423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1502211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1351898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	631108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	518418	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	472412	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1787313	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	623762	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	411838	45.607	ug/l	99
3) Chloromethane	2.06	50	532991	44.714	ug/l	99
4) Vinyl Chloride	2.19	62	558778	45.634	ug/l	99
5) Bromomethane	2.57	94	323983	42.406	ug/l	99
6) Chloroethane	2.71	64	342897	46.231	ug/l	100
7) Trichlorofluoromethane	3.02	101	725976	48.267	ug/l	99
8) Diethyl Ether	3.41	74	277421	49.946	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	454966	48.476	ug/l	99
10) Methyl Iodide	3.96	142	700652	56.051	ug/l	99
11) Tert butyl alcohol	4.78	59	142757	271.556	ug/l	99
12) 1,1-Dichloroethene	3.74	96	436736	48.343	ug/l	99
13) Acrolein	3.61	56	164047	179.547	ug/l	99
14) Allyl chloride	4.33	41	752997	48.361	ug/l	99
15) Acrylonitrile	4.99	53	867231	260.606	ug/l	100
16) Acetone	3.82	43	598758	216.182	ug/l	100
17) Carbon Disulfide	4.06	76	1215988	42.771	ug/l	100
18) Methyl Acetate	4.33	43	426189	53.644	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1261546	52.485	ug/l	100
20) Methylene Chloride	4.55	84	509985	47.053	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	467693	48.473	ug/l	94
22) Diisopropyl ether	5.95	45	1614096	49.352	ug/l	99
23) Vinyl Acetate	5.90	43	5284301	259.403	ug/l	99
24) 1,1-Dichloroethane	5.85	63	911688	48.821	ug/l	99
25) 2-Butanone	6.83	43	960826	244.750	ug/l	98
26) 2,2-Dichloropropane	6.83	77	623195	48.215	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	549472	48.888	ug/l	98
28) Bromochloromethane	7.20	49	423726	49.679	ug/l	95
29) Tetrahydrofuran	7.21	42	633529	250.200	ug/l	98
30) Chloroform	7.37	83	903268	48.482	ug/l	100
31) Cyclohexane	7.66	56	830143	45.899	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	745325	50.491	ug/l	99
36) 1,1-Dichloropropene	7.79	75	679105	47.872	ug/l	98
37) Ethyl Acetate	6.93	43	441024	50.941	ug/l	99
38) Carbon Tetrachloride	7.78	117	646327	50.329	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	810426	47.002	ug/l	98
40) Benzene	8.04	78	2074450	49.069	ug/l	99
41) Methacrylonitrile	7.17	41	268537	56.736	ug/l	94
42) 1,2-Dichloroethane	8.13	62	644668	50.362	ug/l	99
43) Isopropyl Acetate	8.17	43	821614	56.079	ug/l #	87
44) Trichloroethene	8.84	130	544344	50.267	ug/l	99
45) 1,2-Dichloropropane	9.12	63	557034	49.560	ug/l	99
46) Dibromomethane	9.21	93	320937	51.580	ug/l	98
47) Bromodichloromethane	9.40	83	691392	51.108	ug/l	99
48) Methyl methacrylate	9.20	41	403913	52.872	ug/l	98
49) 1,4-Dioxane	9.20	88	92573	1167.600	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2219338	269.983	ug/l	99
52) Toluene	10.16	92	1276314	50.812	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	696117	53.489	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	817013	52.387	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	471123	53.322	ug/l	99
56) Ethyl methacrylate	10.43	69	625119	50.900	ug/l	98
57) 1,3-Dichloropropane	10.71	76	802702	51.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1700971	265.312	ug/l	99
59) 2-Hexanone	10.75	43	1468861	266.240	ug/l	98
60) Dibromochloromethane	10.90	129	516209	53.793	ug/l	100
61) 1,2-Dibromoethane	11.01	107	468864	53.429	ug/l	100
64) Tetrachloroethene	10.63	164	532550	50.808	ug/l	97
65) Chlorobenzene	11.43	112	1413548	50.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	501330	51.723	ug/l	99
67) Ethyl Benzene	11.51	91	2475947	50.720	ug/l	100
68) m/p-Xylenes	11.62	106	1865923	102.676	ug/l	100
69) o-Xylene	11.95	106	910601	51.600	ug/l	100
70) Styrene	11.97	104	1498492	53.312	ug/l	99
71) Bromoform	12.13	173	356677	55.577	ug/l #	100
73) Isopropylbenzene	12.25	105	2448759	49.456	ug/l	100
74) N-amyl acetate	12.07	43	687739	54.978	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	573811	50.944	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	714945	73.463	ug/l #	100
77) Bromobenzene	12.53	156	612186	50.021	ug/l	99
78) n-propylbenzene	12.59	91	2782889	49.473	ug/l	100
79) 2-Chlorotoluene	12.68	91	1650075	49.260	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1980840	50.161	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	154619	53.057	ug/l	99
82) 4-Chlorotoluene	12.77	91	1646946	48.784	ug/l	99
83) tert-Butylbenzene	12.99	119	1742595	49.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1997611	50.476	ug/l	100
85) sec-Butylbenzene	13.17	105	2369310	49.412	ug/l	99
86) p-Isopropyltoluene	13.29	119	2046301	50.104	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1076862	50.302	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1051581	49.869	ug/l	100
89) n-Butylbenzene	13.62	91	1707831	50.281	ug/l	99
90) Hexachloroethane	13.88	117	345207	49.920	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1049811	51.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85790	53.255	ug/l	95

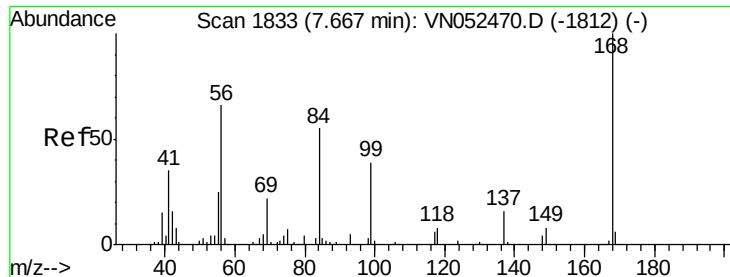
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	534838	47.863	ug/l	100
94) Hexachlorobutadiene	15.01	225	312588	47.507	ug/l	100
95) Naphthalene	15.14	128	1155750	48.734	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	497967	48.429	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

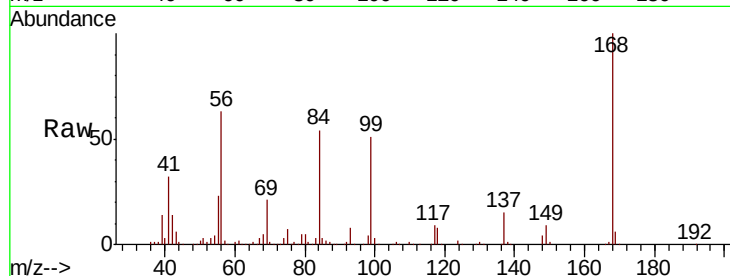
VSTDCCC050EC

Tot Ion:168 Resp: 964423

Ion Ratio Lower Upper

168 100

99 51.0 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

400000

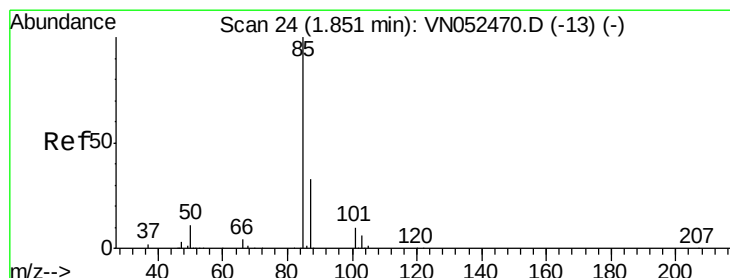
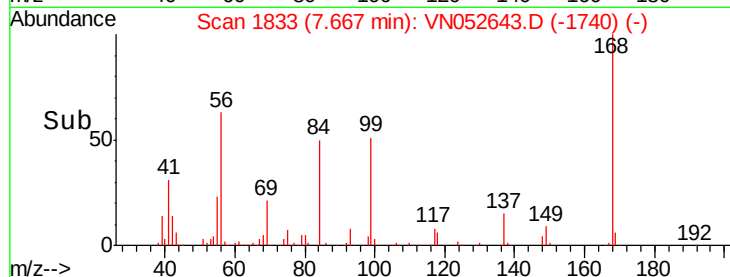
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.607 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052643.D

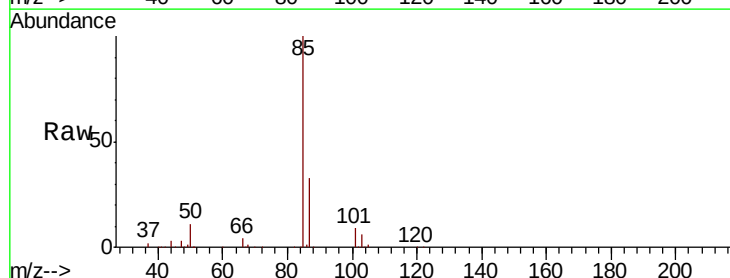
Acq: 3 Dec 2018 20:30

Tgt Ion: 85 Resp: 411838

Ion Ratio Lower Upper

85 100

87 32.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN052470.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052470.D (-13) (-)

1.85

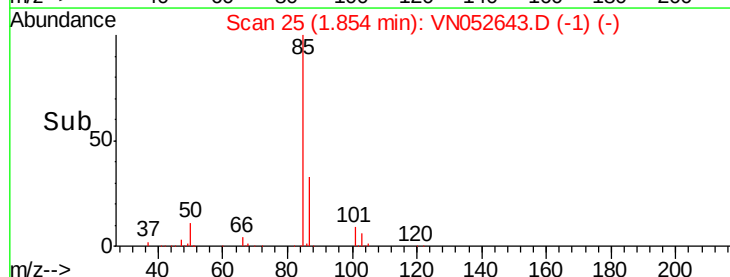
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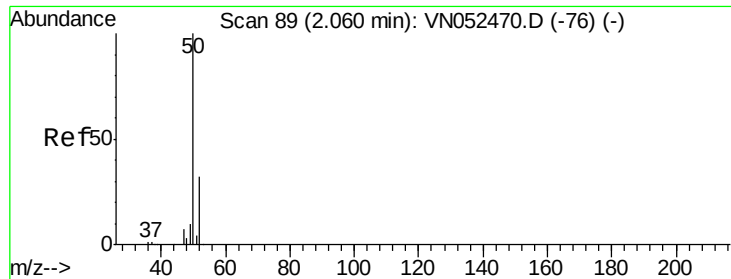
200000

100000

0

Time-->





#3

Chloromethane

Concen: 44.714 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

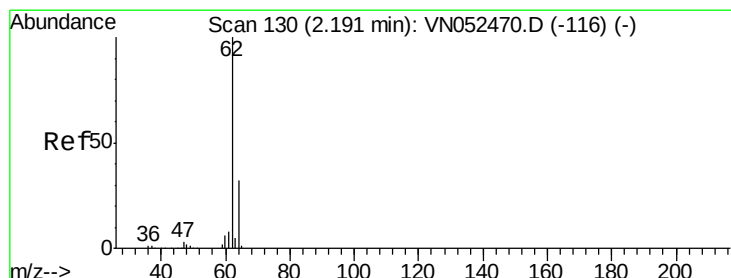
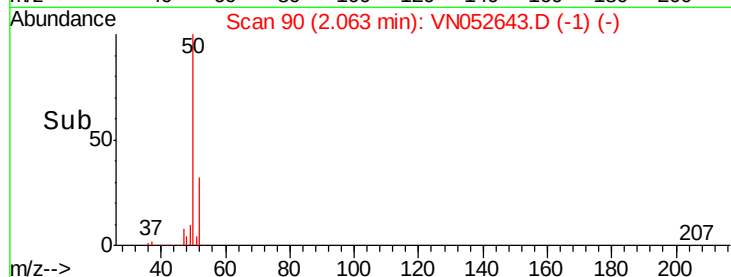
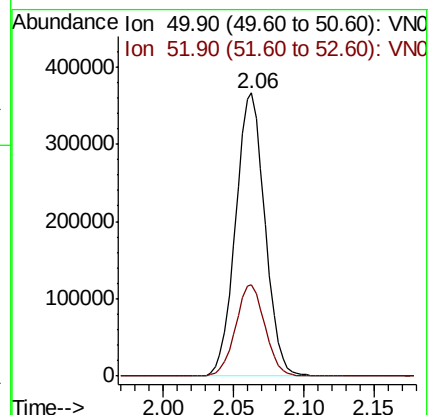
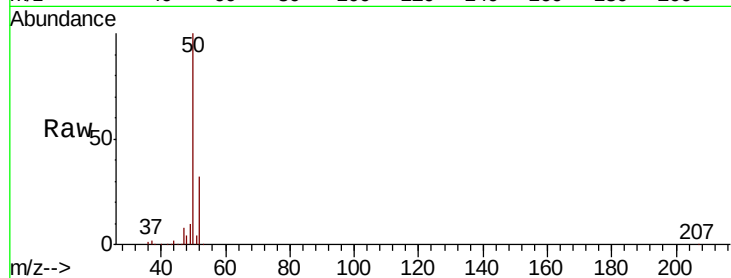
VSTDCCC050EC

Tot Ion: 50 Resp: 532991

Ion Ratio Lower Upper

50 100

52 32.1 25.9 38.9



#4

Vinyl Chloride

Concen: 45.634 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052643.D

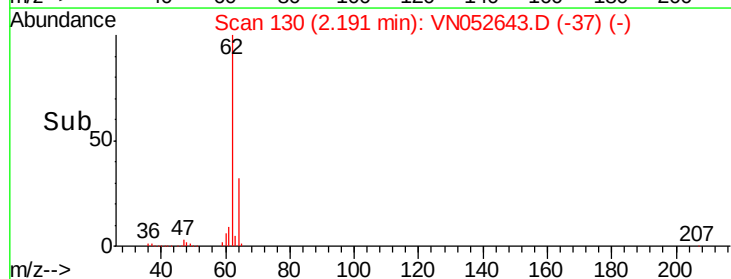
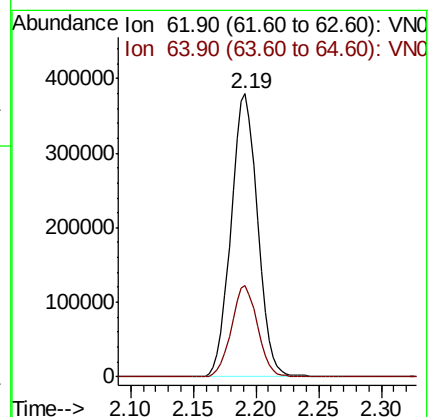
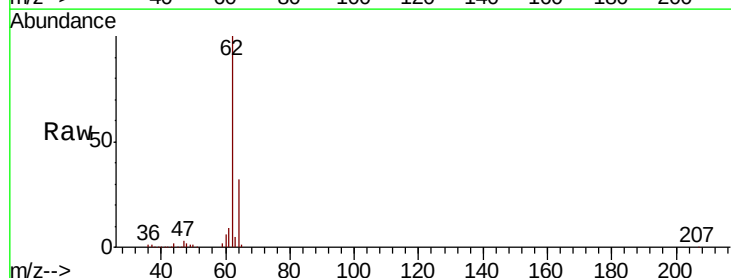
Acq: 3 Dec 2018 20:30

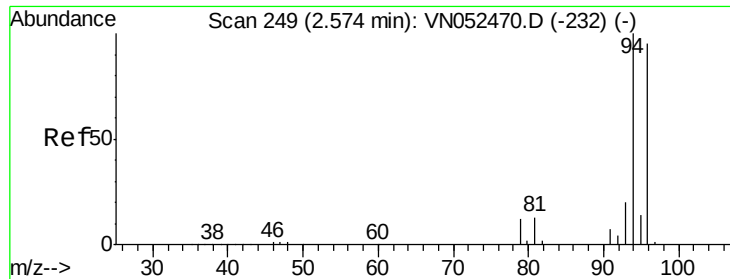
Tgt Ion: 62 Resp: 558778

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 42.406 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

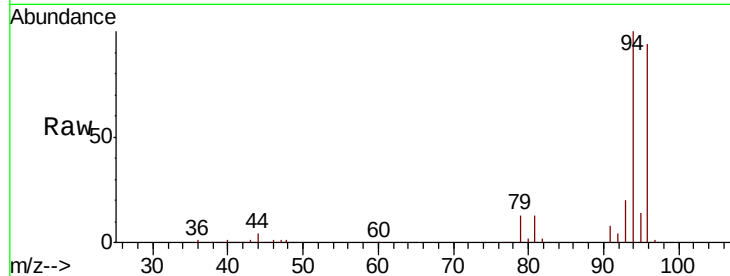
VSTDCCC050EC

Tot Ion: 94 Resp: 323983

Ion Ratio Lower Upper

94 100

96 93.9 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN052470.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN052470.D (-232) (-)

2.57

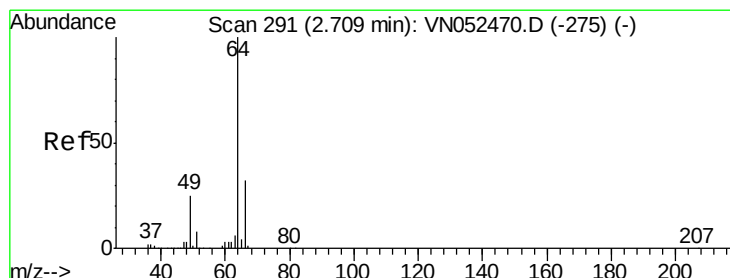
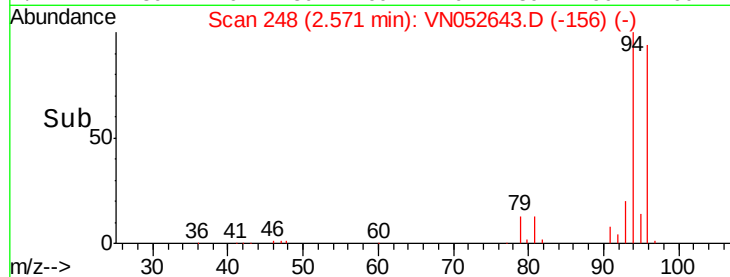
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 46.231 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052643.D

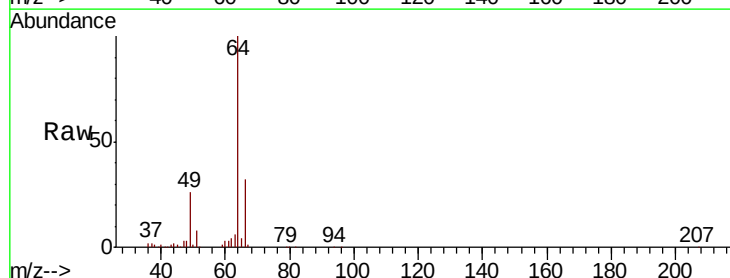
Acq: 3 Dec 2018 20:30

Tgt Ion: 64 Resp: 342897

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN052470.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN052470.D (-275) (-)

2.71

200000

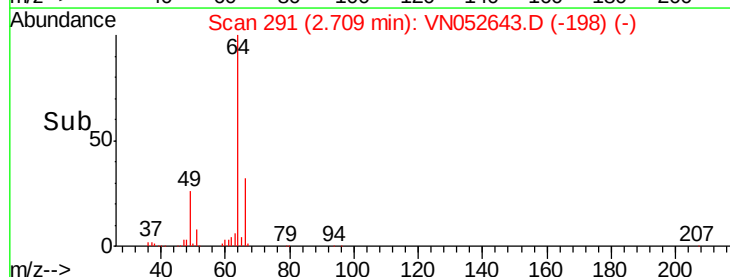
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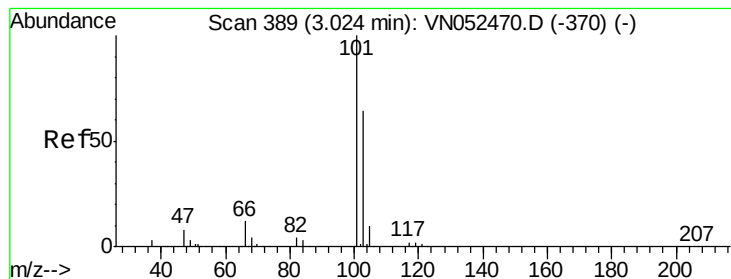
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Time-->



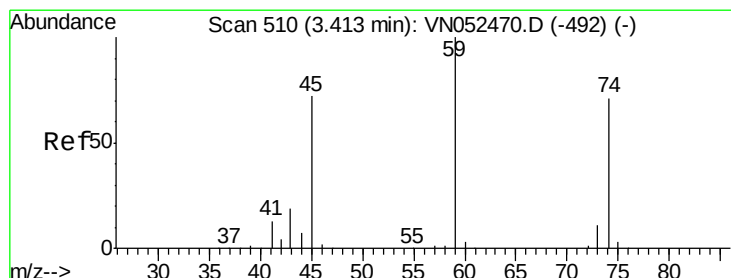
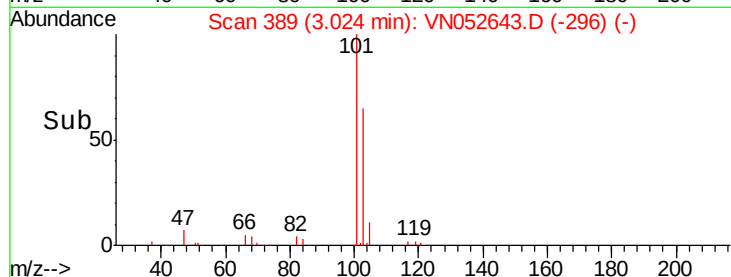
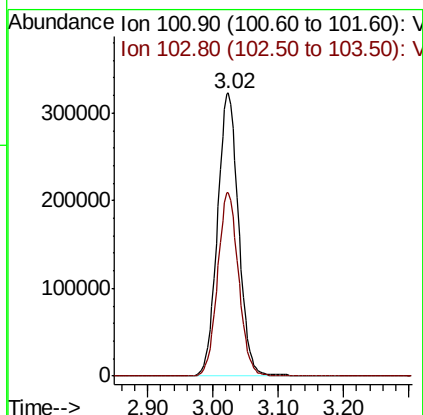
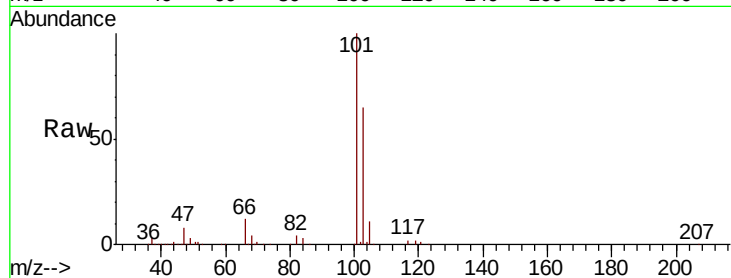


#7

Trichlorofluoromethane
 Concen: 48.267 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

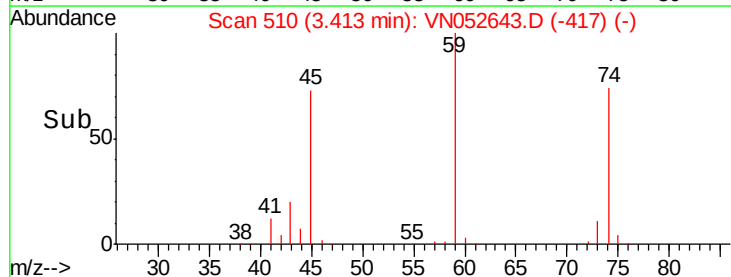
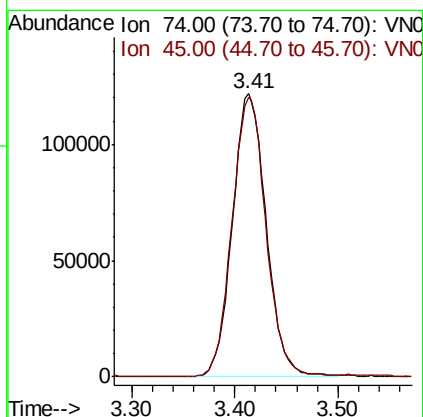
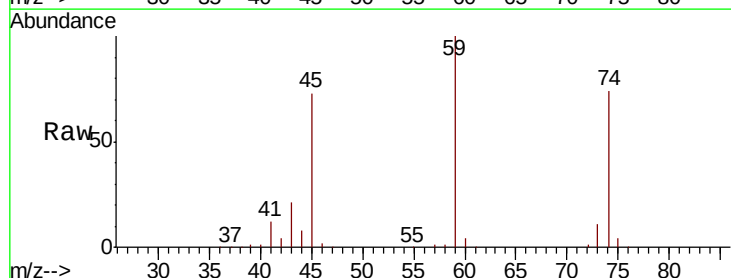
Tot Ion:101 Resp: 725976
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.2

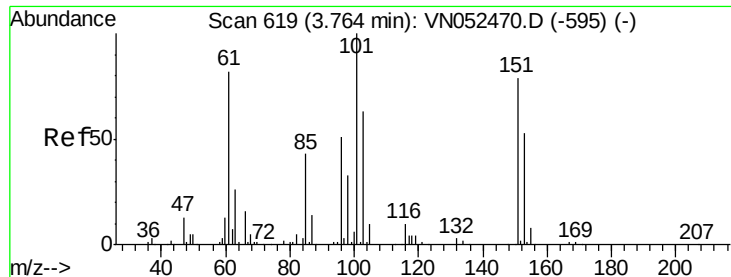


#8

Diethyl Ether
 Concen: 49.946 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion: 74 Resp: 277421
 Ion Ratio Lower Upper
 74 100
 45 98.7 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.476 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

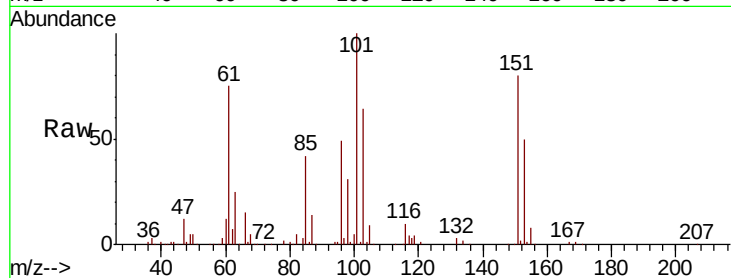
Tot Ion:101 Resp: 454966

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.4

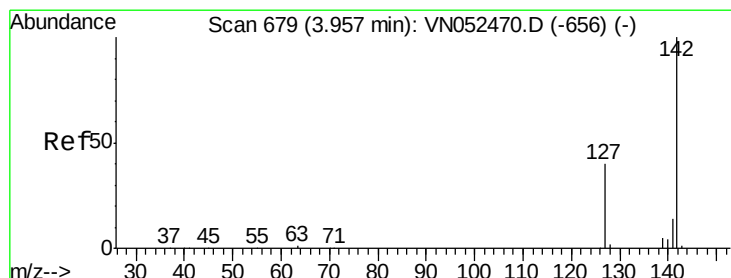
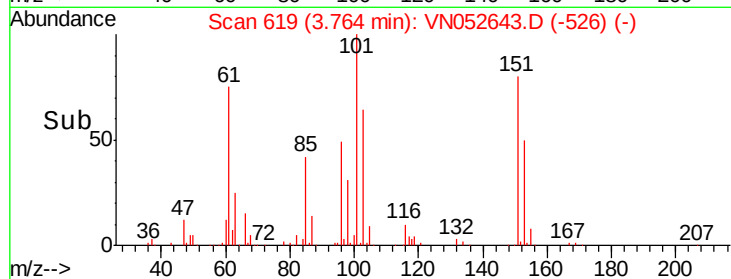
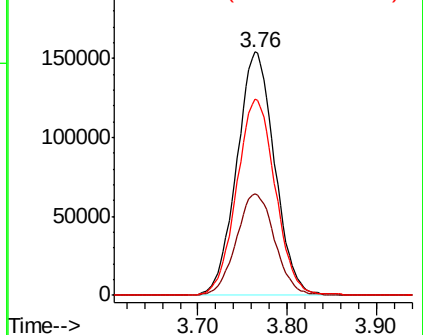
151 82.0 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.051 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

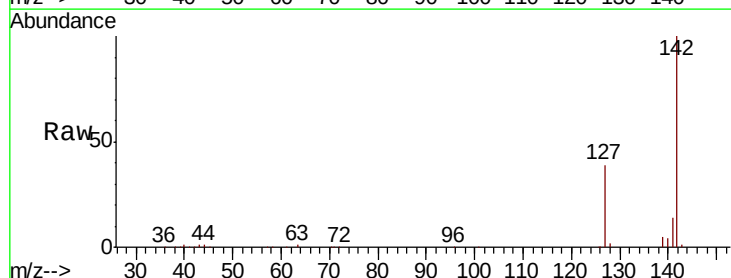
Tgt Ion:142 Resp: 700652

Ion Ratio Lower Upper

142 100

127 39.0 31.8 47.6

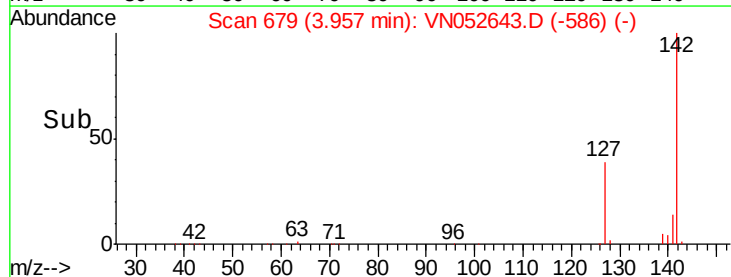
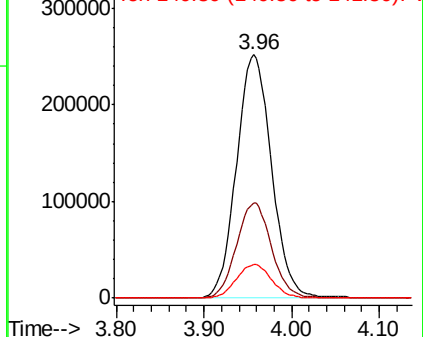
141 14.0 11.4 17.0

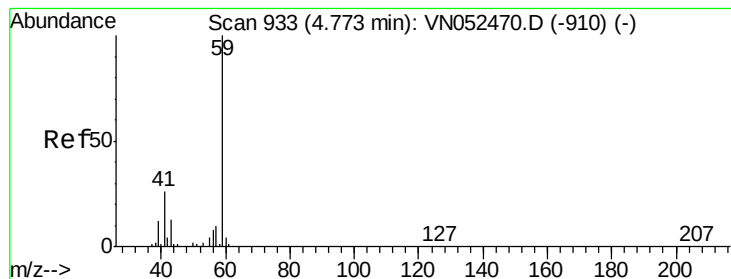


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



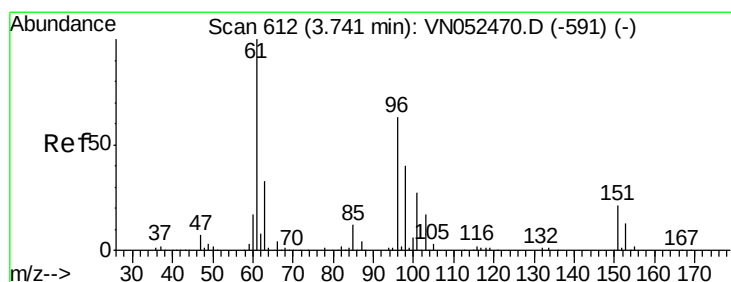
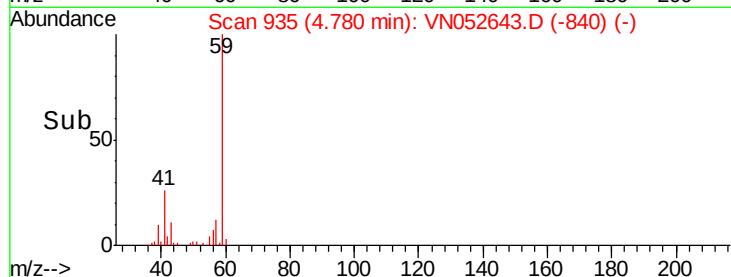
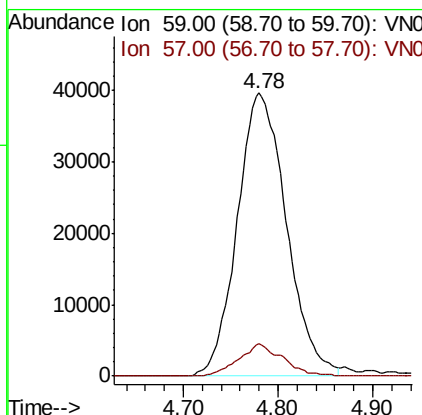
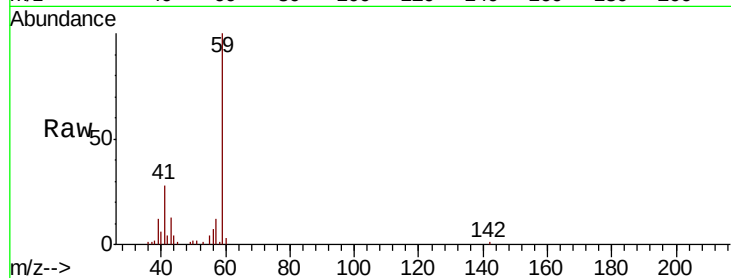


#11

Tert butyl alcohol
 Concen: 271.556 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

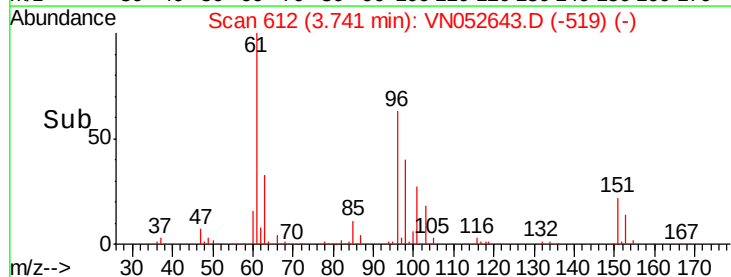
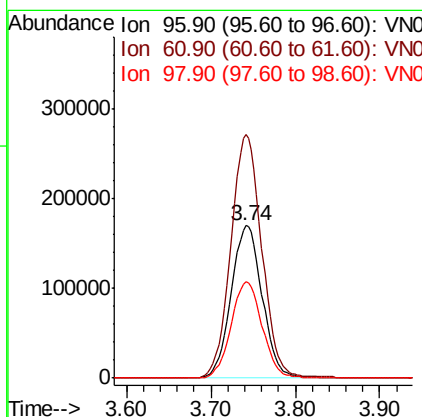
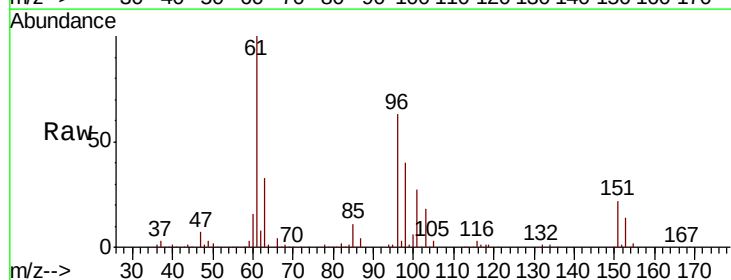
Tot Ion: 59 Resp: 142757
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.9 11.9

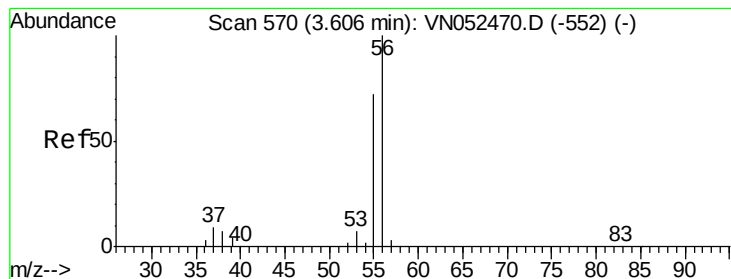


#12

1,1-Dichloroethene
 Concen: 48.343 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion: 96 Resp: 436736
 Ion Ratio Lower Upper
 96 100
 61 159.5 127.0 190.6
 98 63.3 50.3 75.5





#13

Acrolein

Concen: 179.547 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

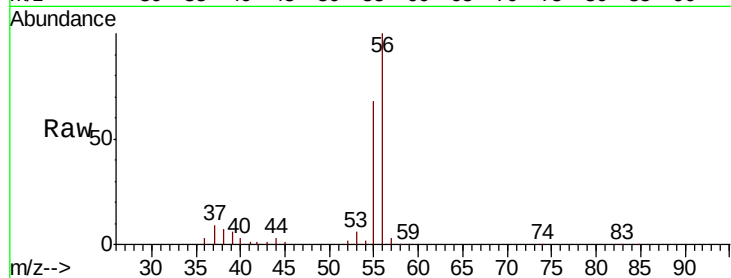
VSTDCCC050EC

Tot Ion: 56 Resp: 164047

Ion Ratio Lower Upper

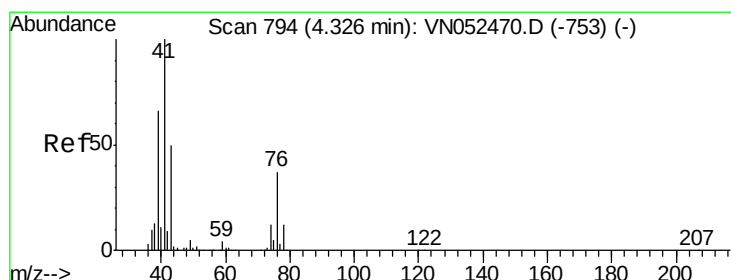
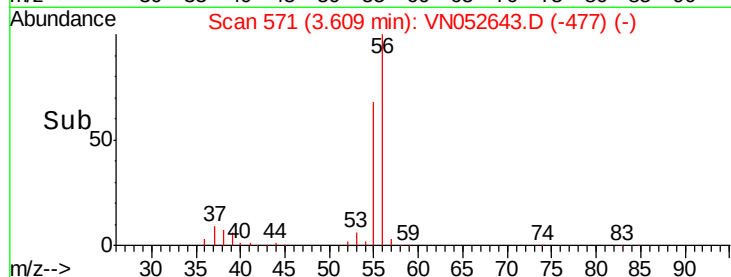
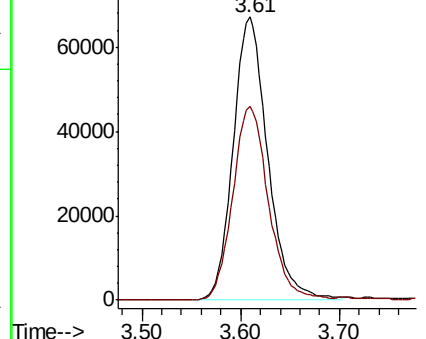
56 100

55 70.5 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.361 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

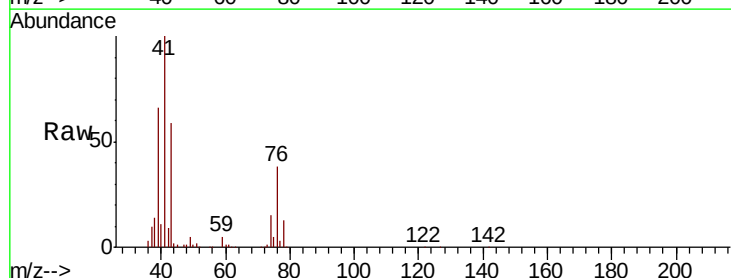
Tgt Ion: 41 Resp: 752997

Ion Ratio Lower Upper

41 100

39 63.6 50.6 76.0

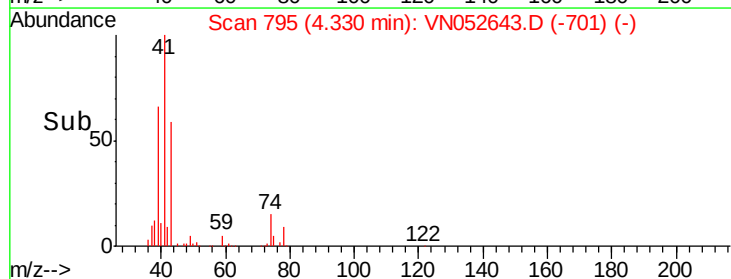
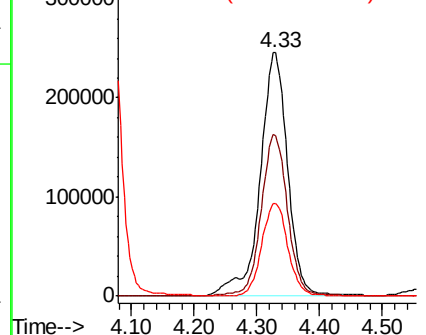
76 35.5 27.4 41.2

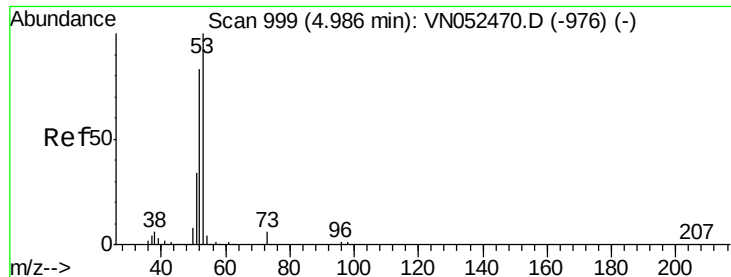


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 260.606 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

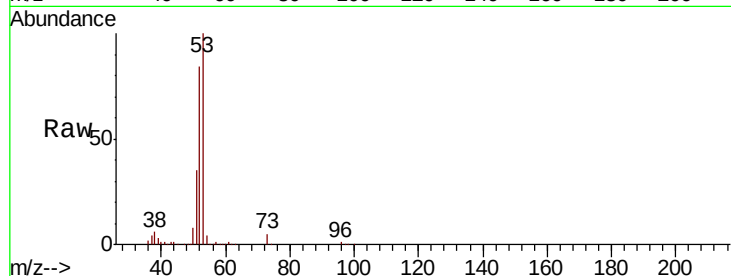
Tot Ion: 53 Resp: 867231

Ion Ratio Lower Upper

53 100

52 82.6 66.2 99.2

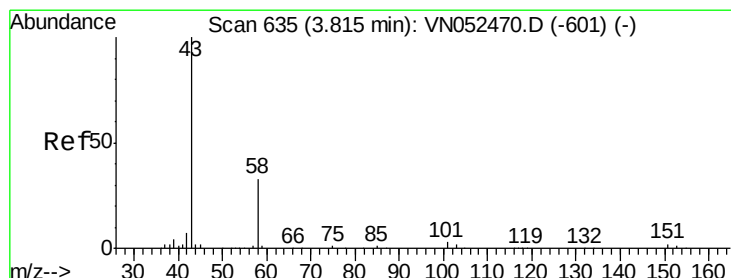
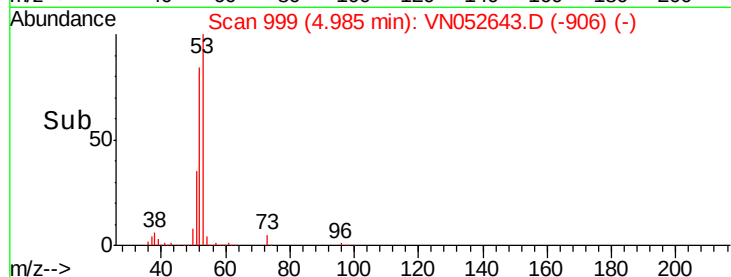
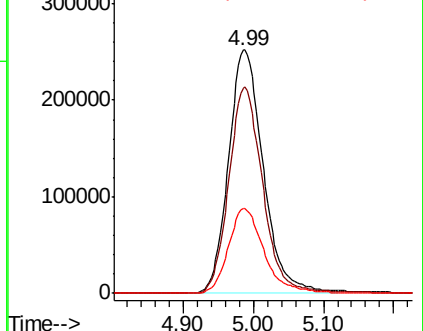
51 35.8 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 216.182 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052643.D

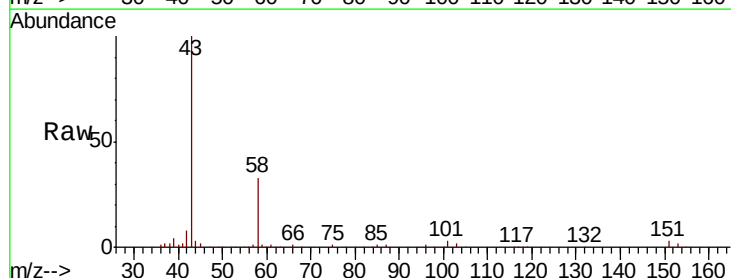
Acq: 3 Dec 2018 20:30

Tgt Ion: 43 Resp: 598758

Ion Ratio Lower Upper

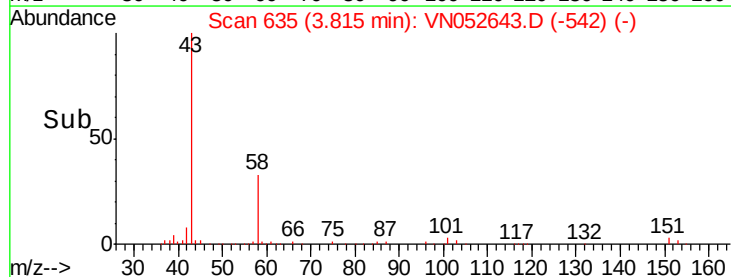
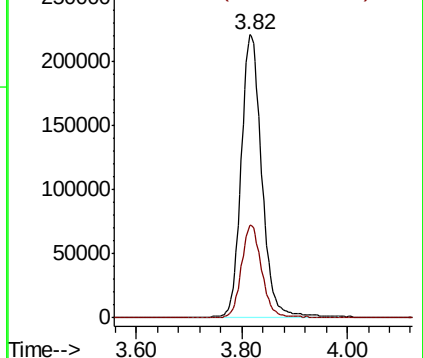
43 100

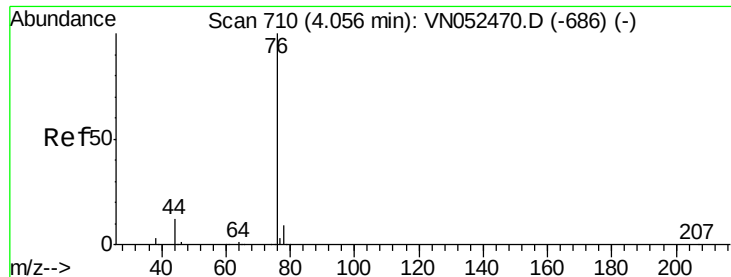
58 32.6 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 42.771 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

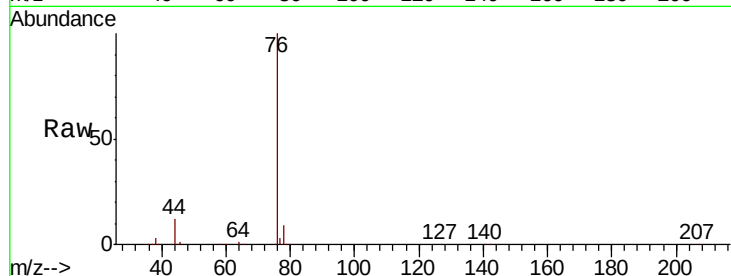
VSTDCCC050EC

Tot Ion: 76 Resp: 1215988

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN052470.D (-686) (-)

4.06

500000

400000

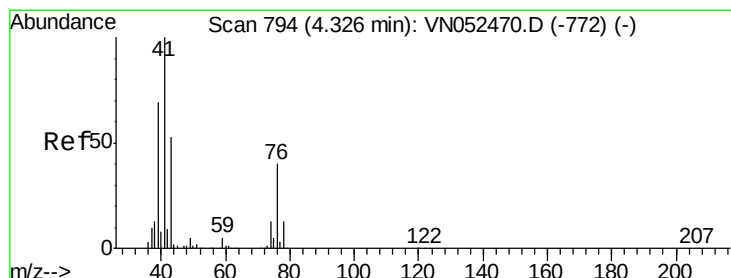
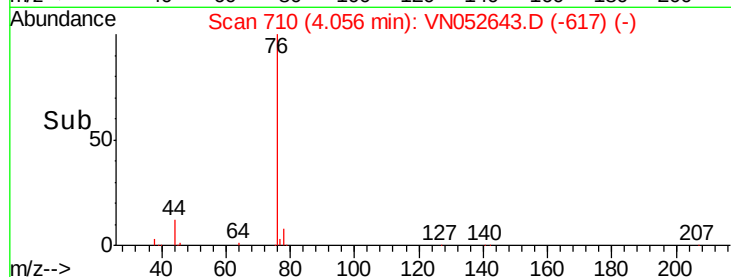
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 53.644 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052643.D

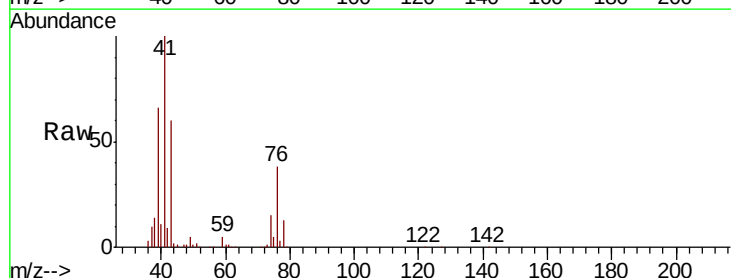
Acq: 3 Dec 2018 20:30

Tgt Ion: 43 Resp: 426189

Ion Ratio Lower Upper

43 100

74 24.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN052470.D (-772) (-)

4.33

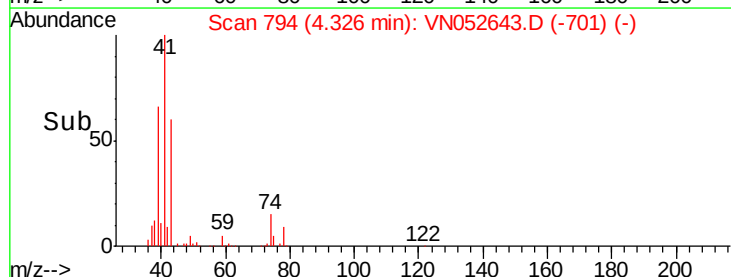
150000

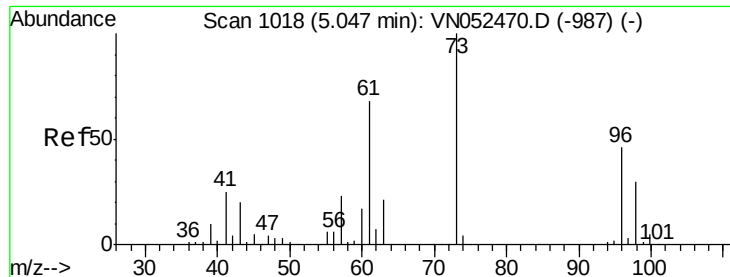
100000

50000

0

Time-->



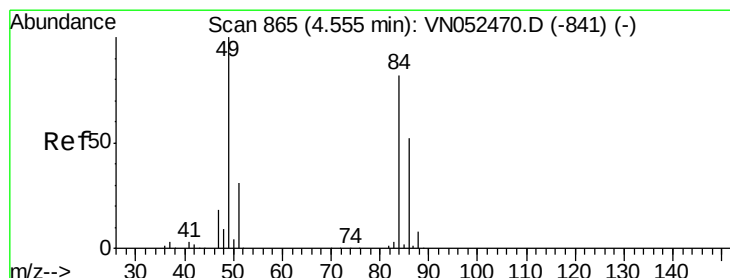
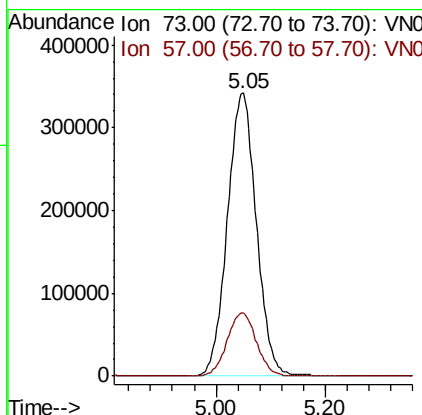
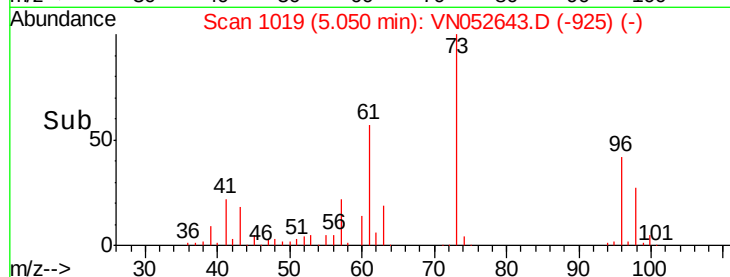
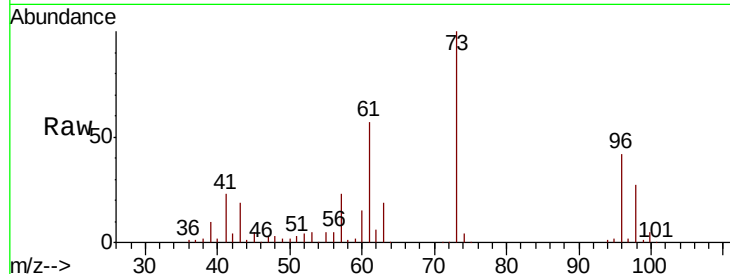


#19

Methyl tert-butyl Ether
 Concen: 52.485 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

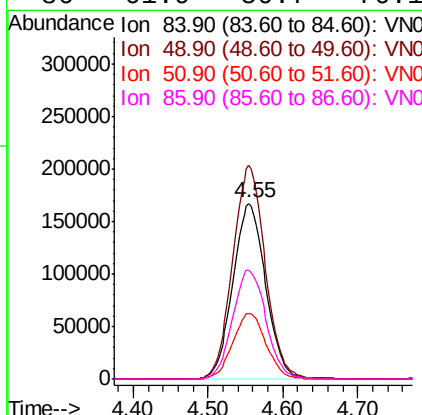
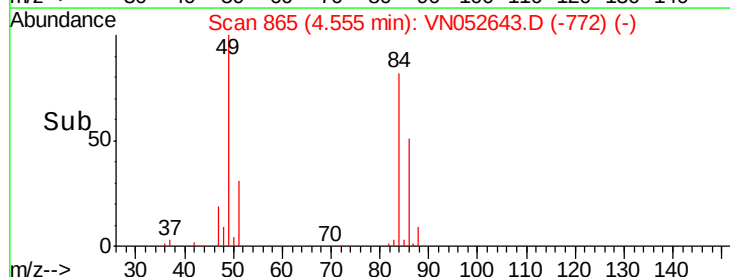
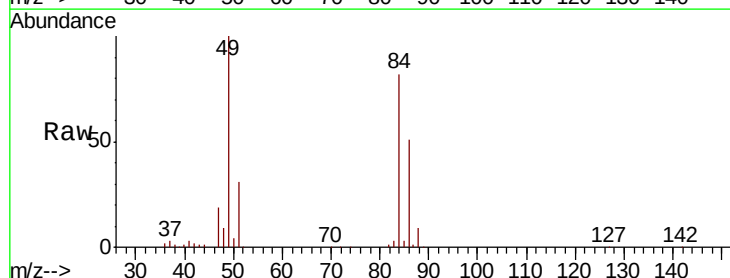
Tot Ion: 73 Resp: 1261546
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.2 27.2

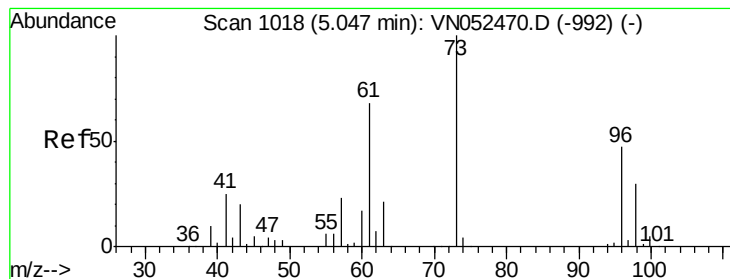


#20

Methylene Chloride
 Concen: 47.053 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion: 84 Resp: 509985
 Ion Ratio Lower Upper
 84 100
 49 121.5 98.0 147.0
 51 37.4 30.1 45.1
 86 61.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 48.473 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

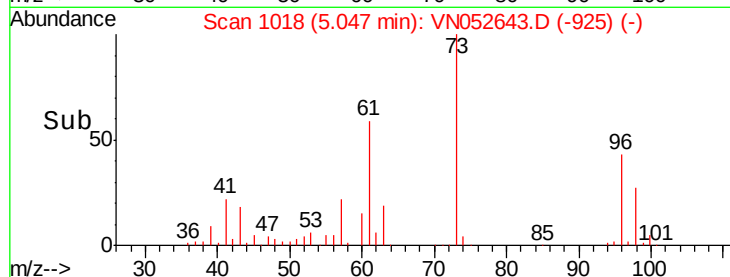
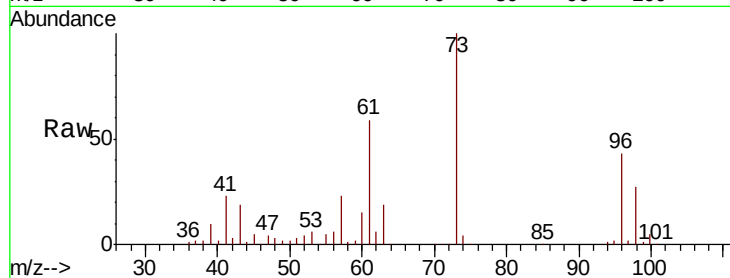
Tot Ion: 96 Resp: 467693

Ion Ratio Lower Upper

96 100

61 136.5 117.0 175.4

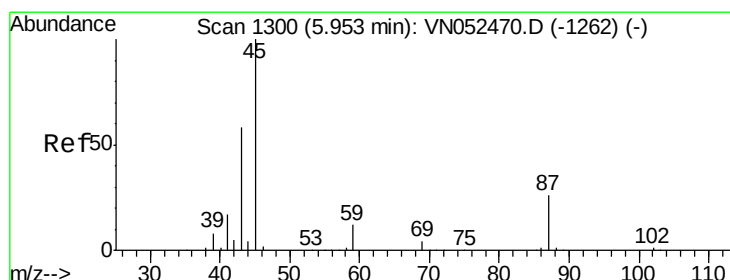
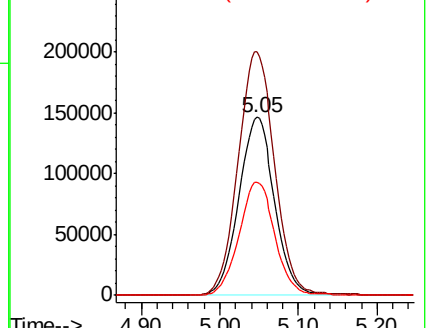
98 63.7 51.8 77.6



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



#22

Diisopropyl ether

Concen: 49.352 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Tgt Ion: 45 Resp: 1614096

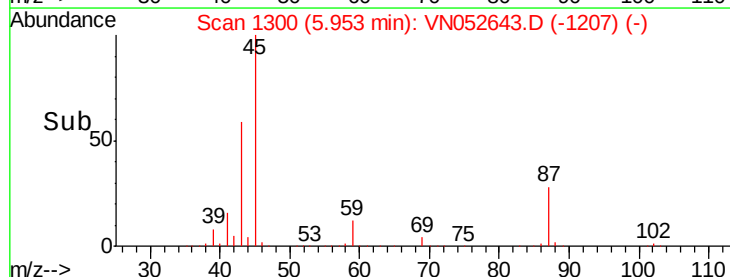
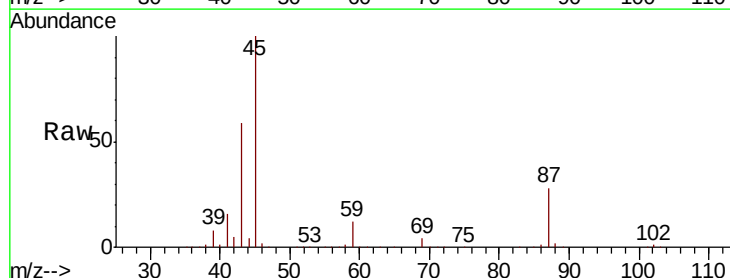
Ion Ratio Lower Upper

45 100

43 58.2 46.1 69.1

87 27.4 21.3 31.9

59 11.9 9.5 14.3

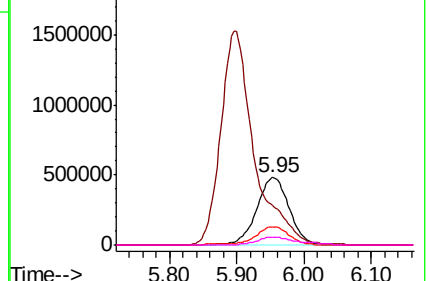


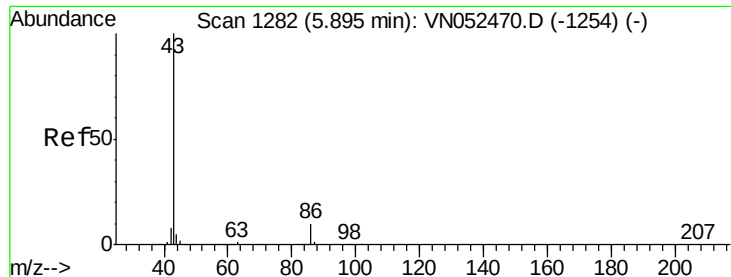
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 259.403 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

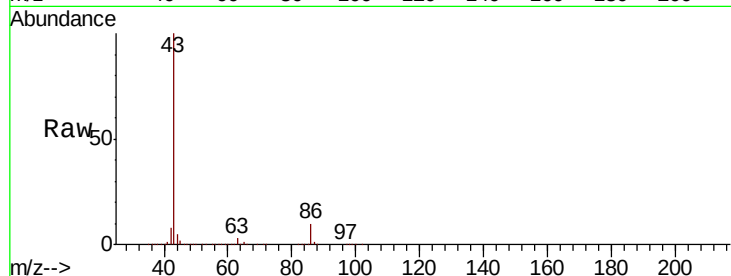
VSTDCCC050EC

Tot Ion: 43 Resp: 5284301

Ion Ratio Lower Upper

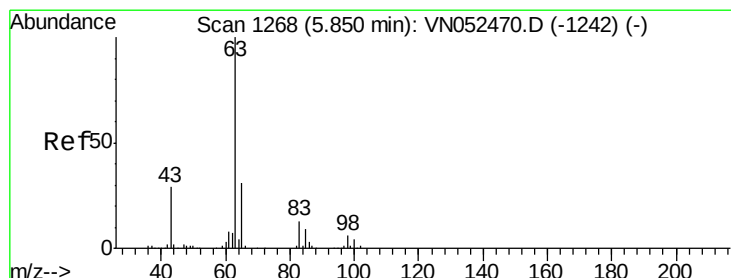
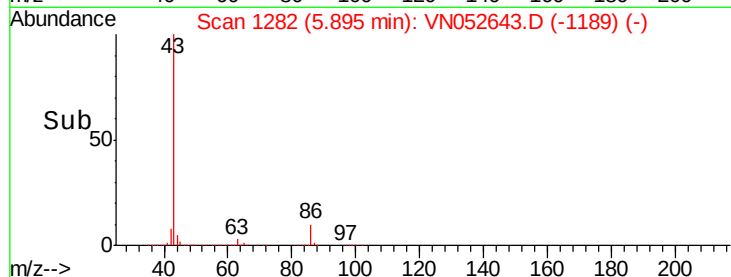
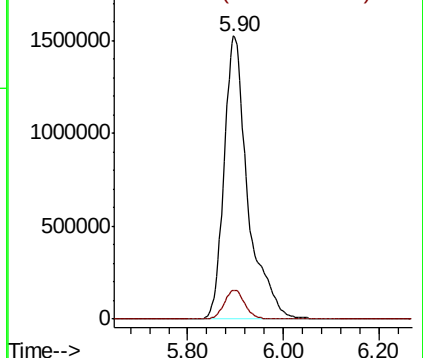
43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.821 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

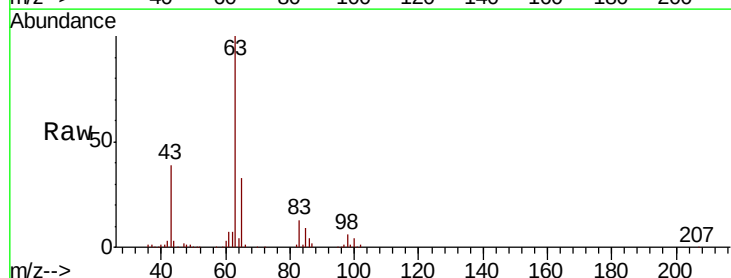
Tgt Ion: 63 Resp: 911688

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

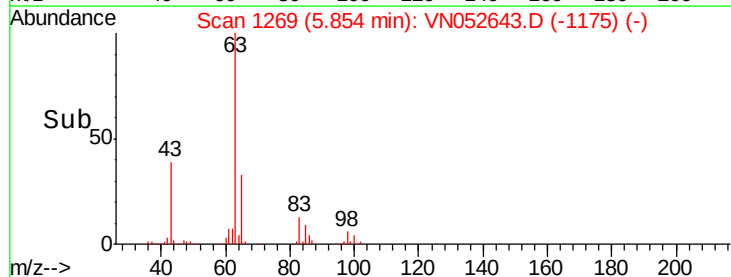
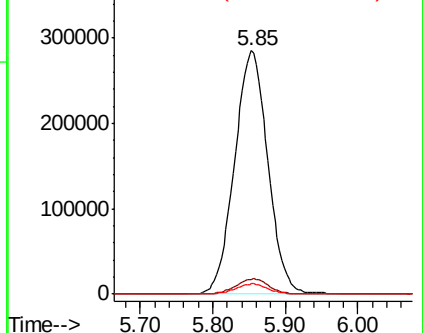
100 4.2 2.0 5.8

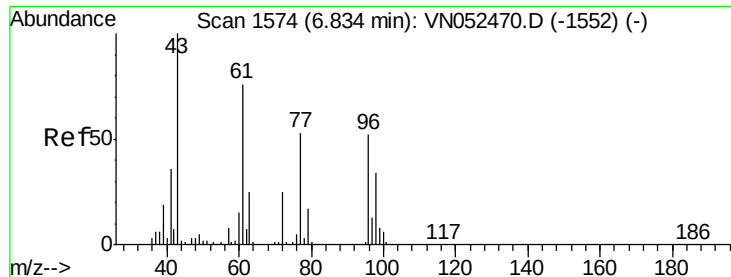


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

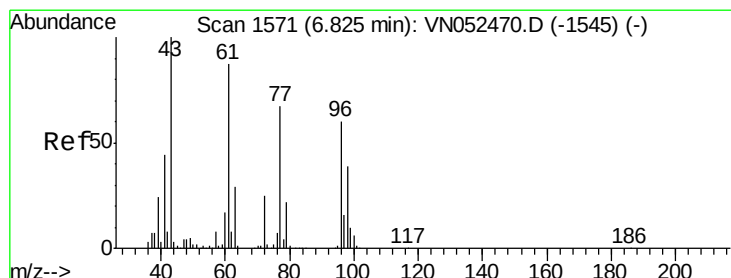
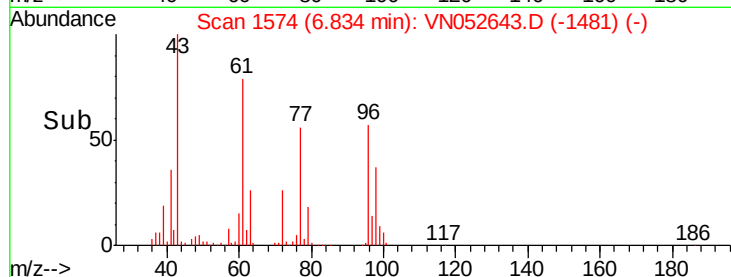
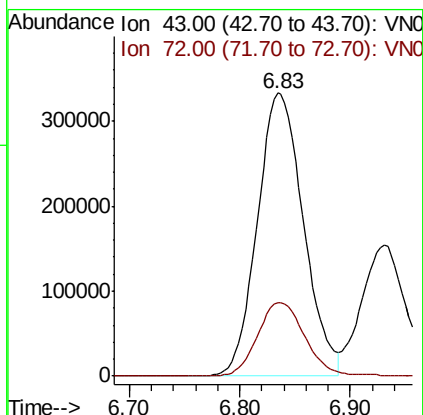
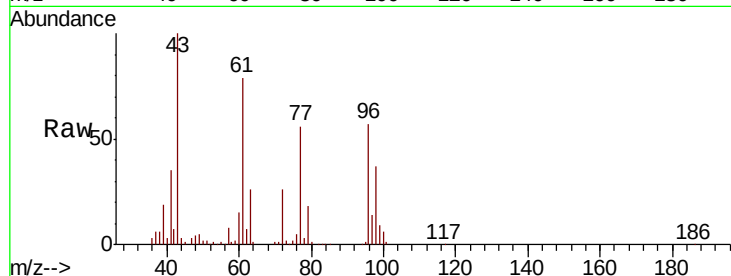




#25
 2-Butanone
 Concen: 244.750 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

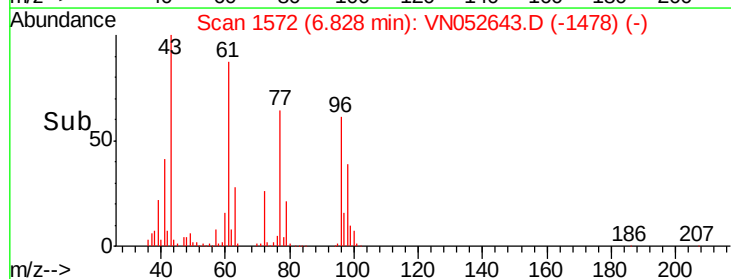
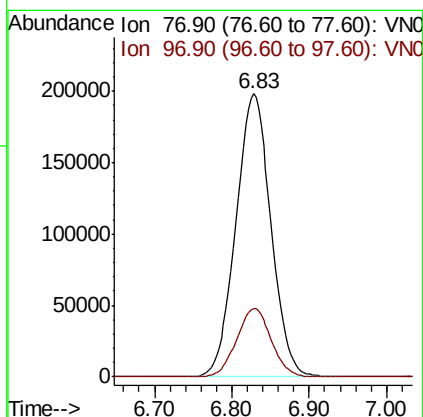
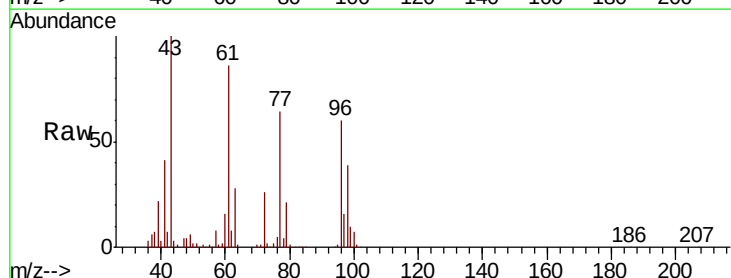
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

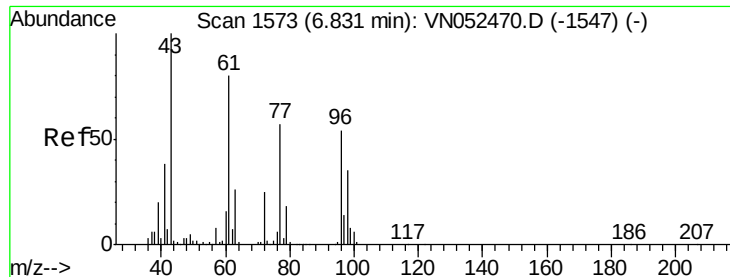
Tot Ion: 43 Resp: 960826
 Ion Ratio Lower Upper
 43 100
 72 26.1 20.1 30.1



#26
 2,2-Dichloropropane
 Concen: 48.215 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion: 77 Resp: 623195
 Ion Ratio Lower Upper
 77 100
 97 24.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.888 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

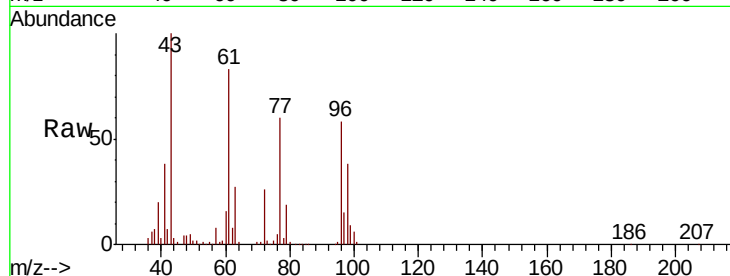
Tot Ion: 96 Resp: 549472

Ion Ratio Lower Upper

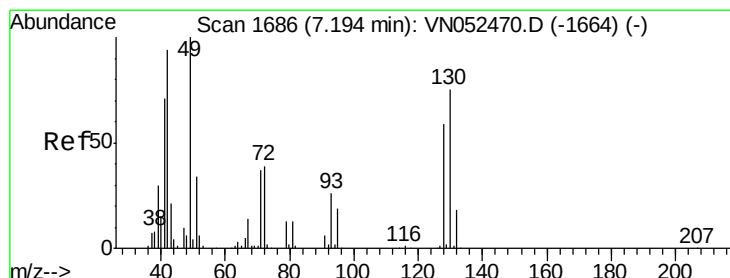
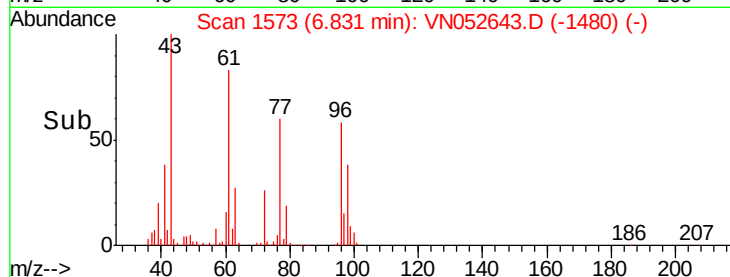
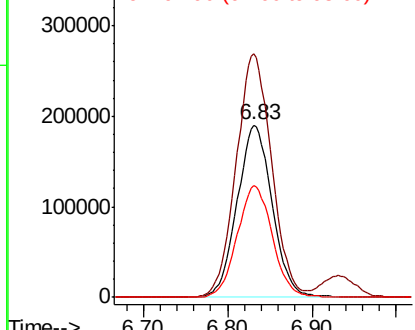
96 100

61 143.0 0.0 291.0

98 65.3 0.0 130.0



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: 49.679 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

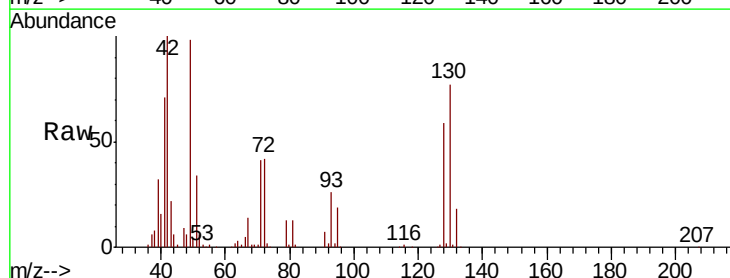
Tgt Ion: 49 Resp: 423726

Ion Ratio Lower Upper

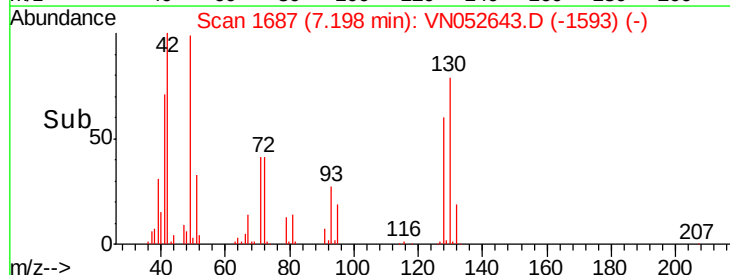
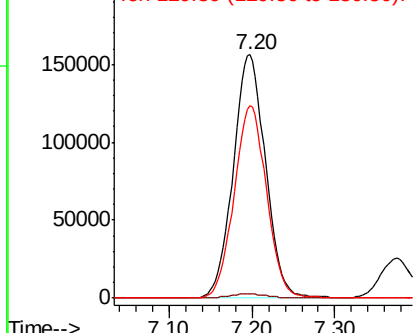
49 100

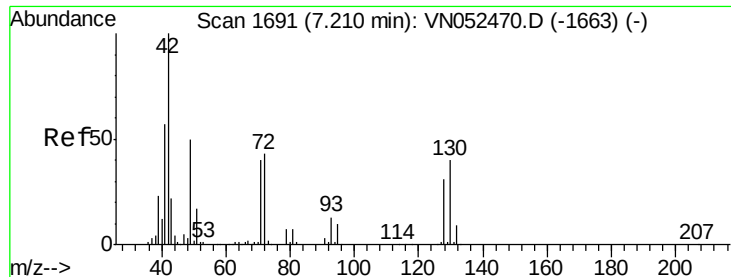
129 1.9 0.0 3.8

130 79.5 60.2 90.2



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

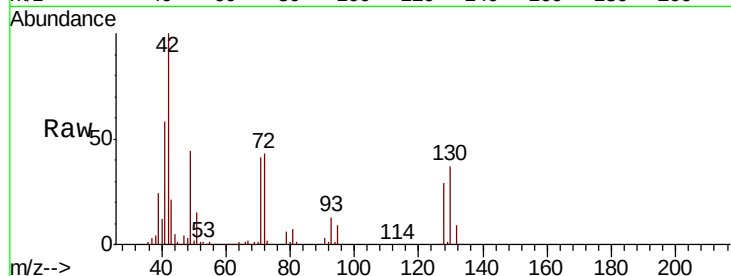




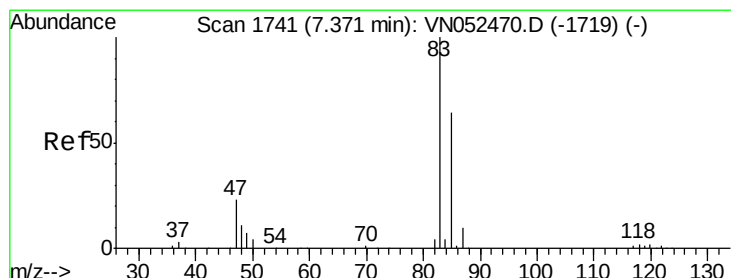
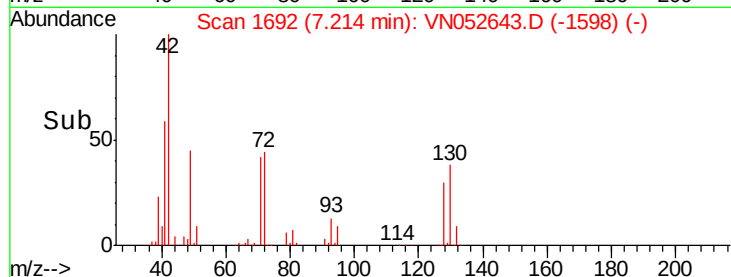
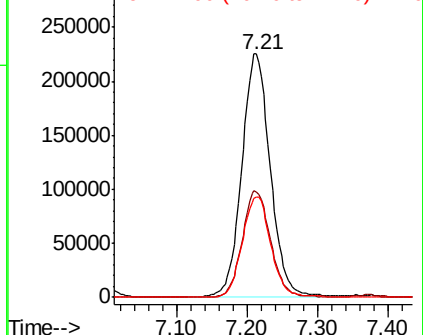
#29
Tetrahydrofuran
Concen: 250.200 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 633529
Ion Ratio Lower Upper
42 100
72 43.1 33.3 49.9
71 41.4 32.0 48.0

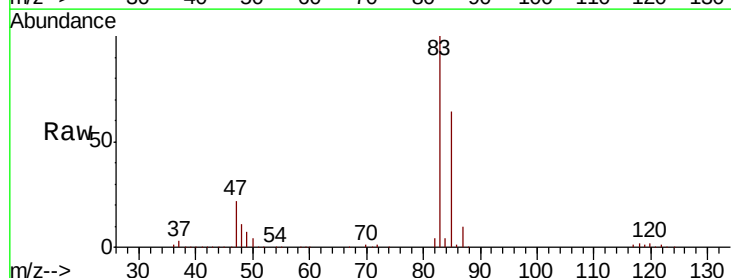


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

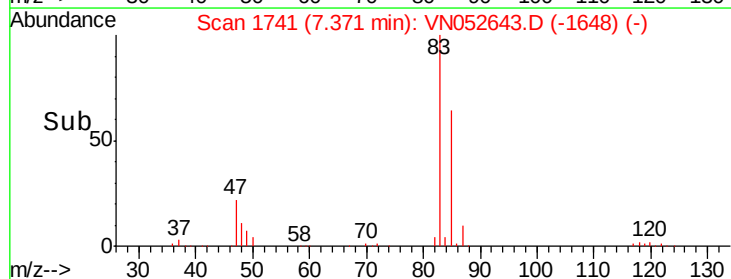
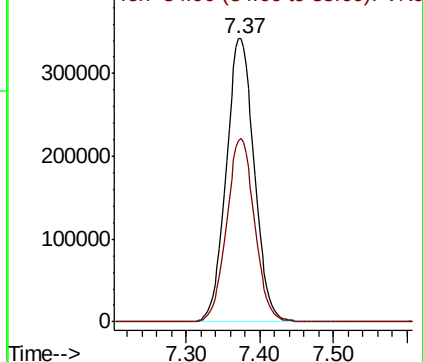


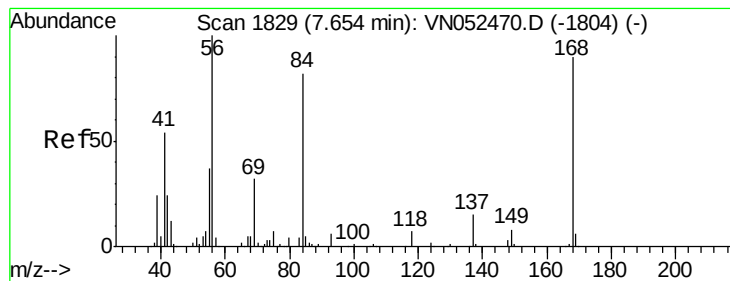
#30
Chloroform
Concen: 48.482 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion: 83 Resp: 903268
Ion Ratio Lower Upper
83 100
85 64.1 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 45.899 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

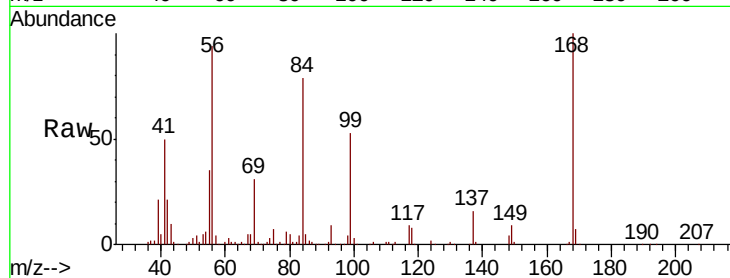
Tot Ion: 56 Resp: 830143

Ion Ratio Lower Upper

56 100

69 33.4 25.8 38.6

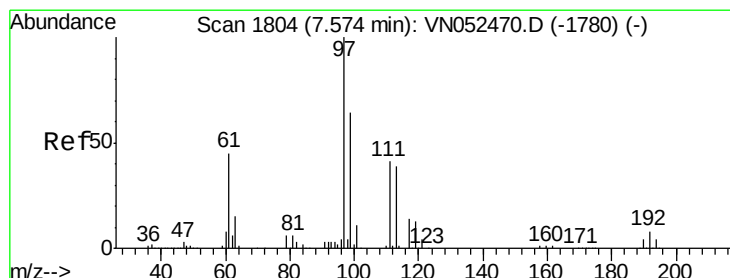
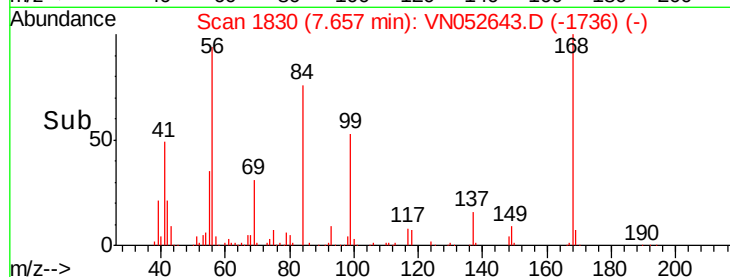
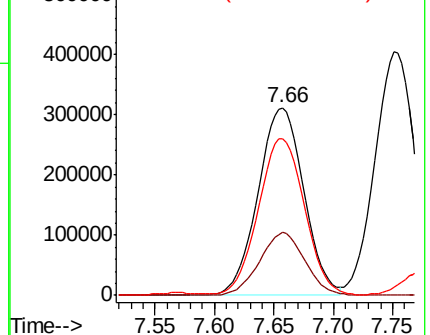
84 82.7 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052470.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN052470.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN052470.D (-1804) (-)



#32

1,1,1-Trichloroethane

Concen: 50.491 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

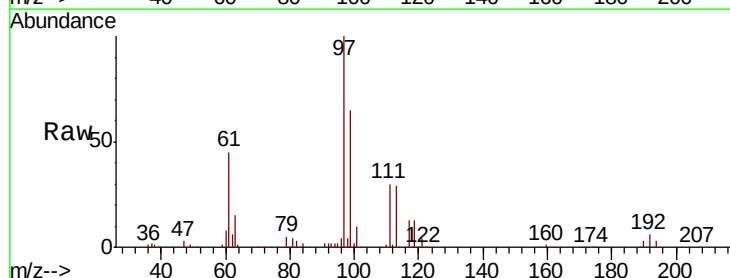
Tgt Ion: 97 Resp: 745325

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

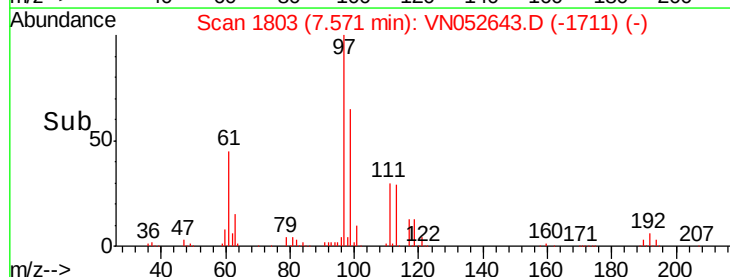
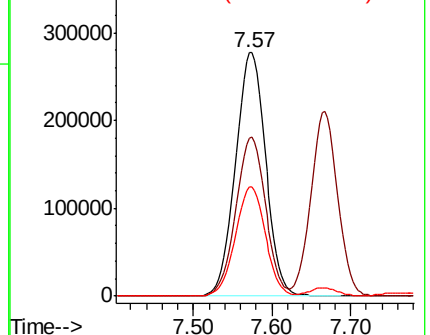
61 44.6 36.8 55.2

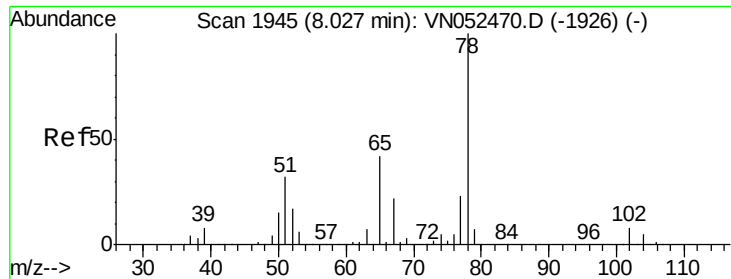


Abundance Ion 96.90 (96.60 to 97.60): VN052470.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN052470.D (-1780) (-)

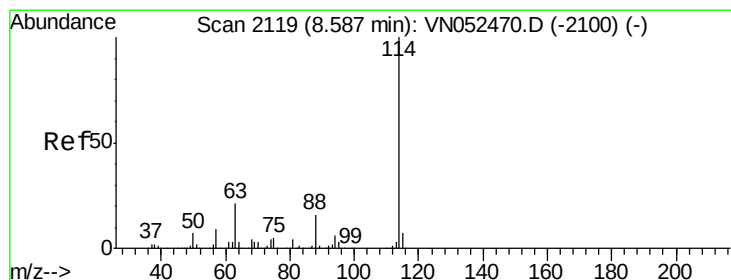
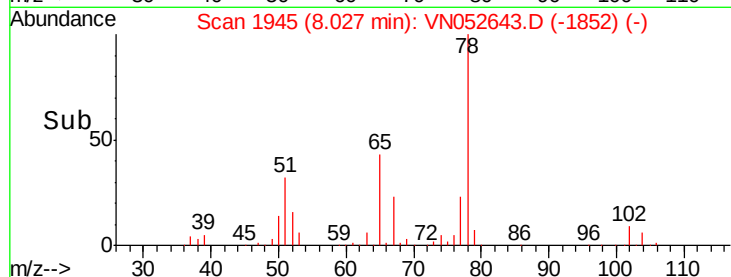
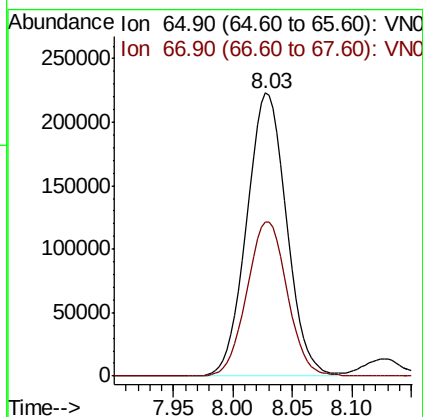
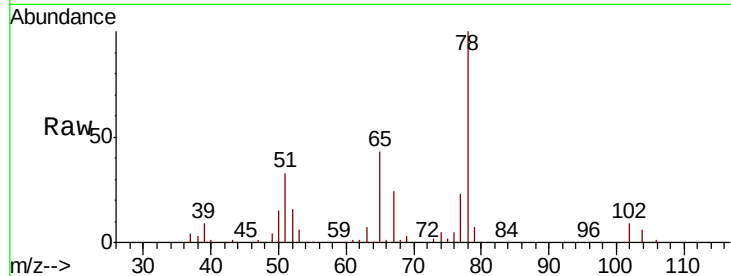




#33
 1,2-Dichloroethane-d4
 Concen: 50.491 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

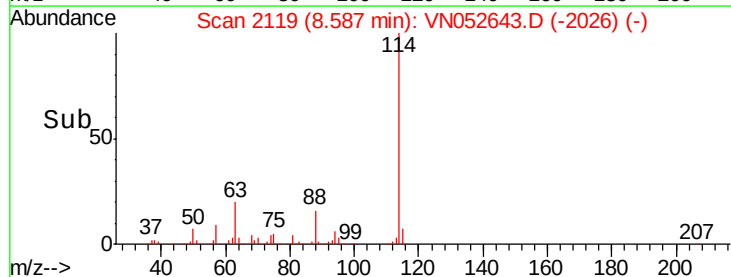
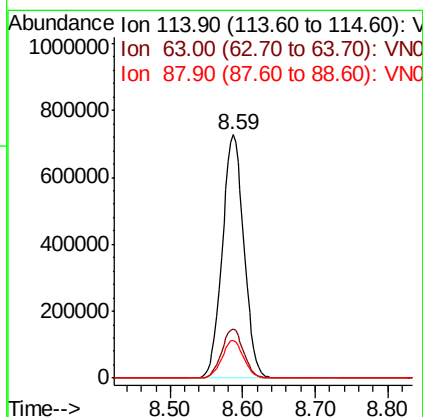
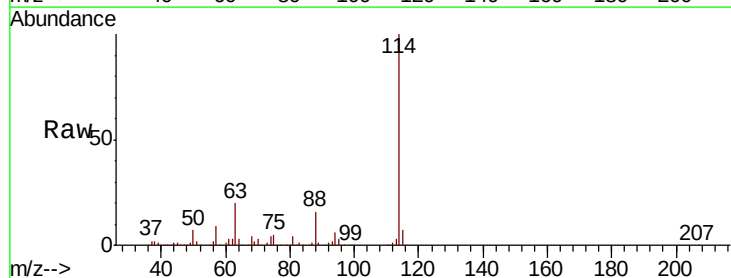
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

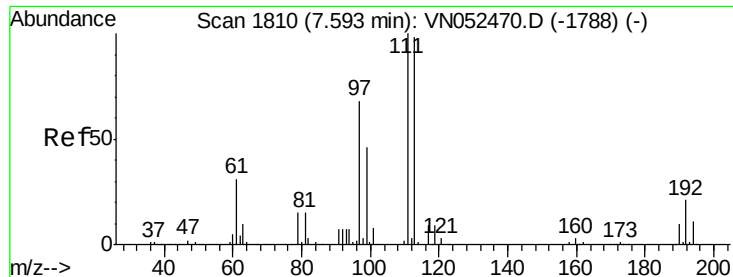
Tot Ion: 65 Resp: 518418
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion: 114 Resp: 1502211
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.6 0.0 31.6

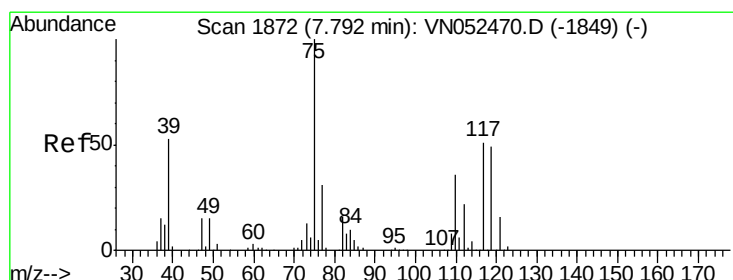
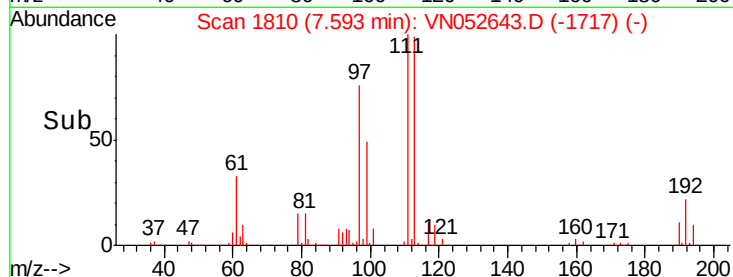
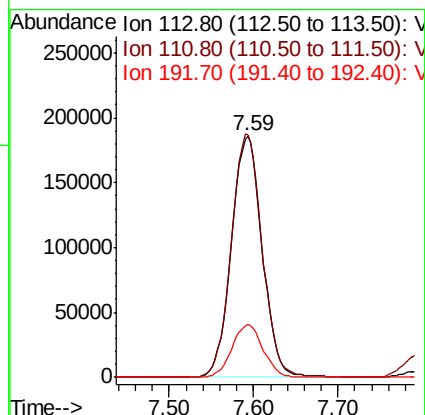
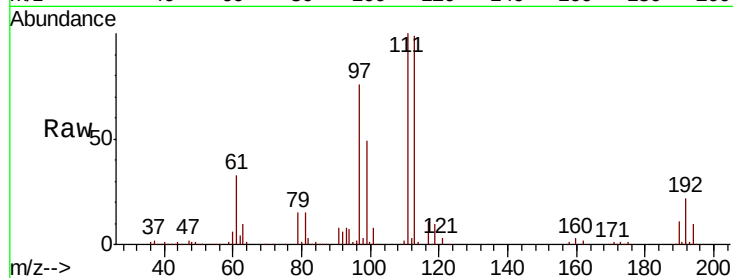




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

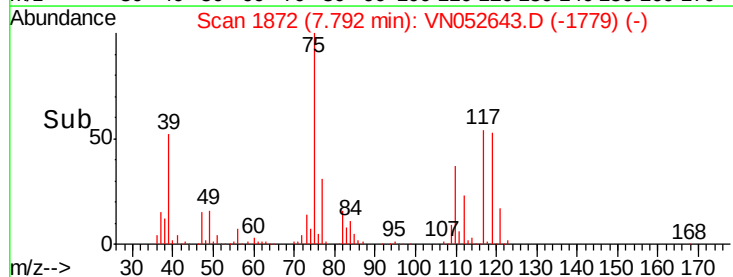
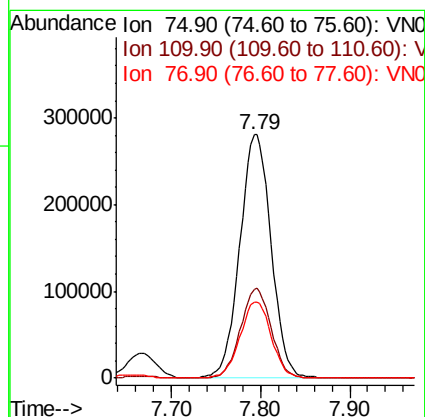
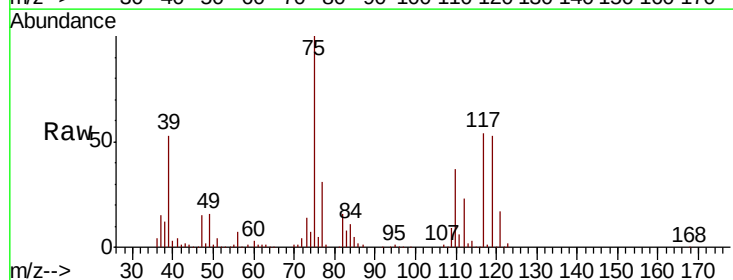
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

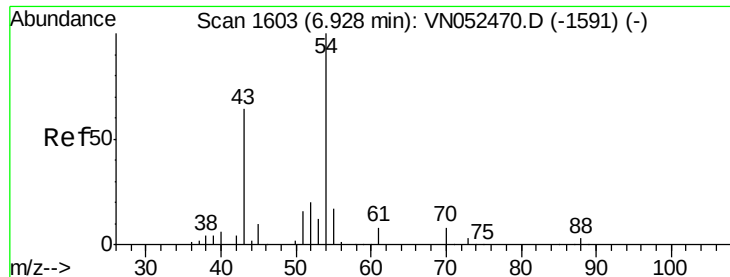
Tot Ion:113 Resp: 472412
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.0 123.0
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 47.872 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion: 75 Resp: 679105
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.5 52.6
 77 31.6 24.5 36.7

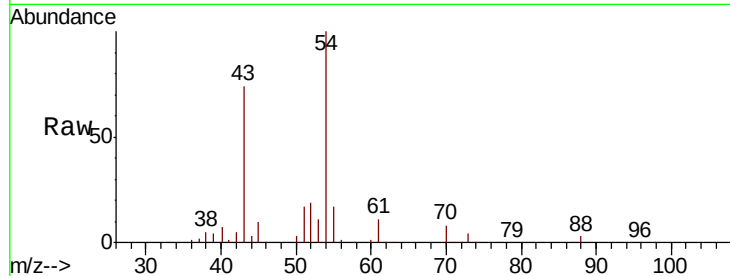




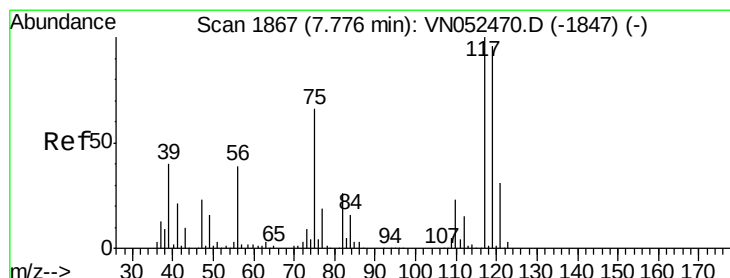
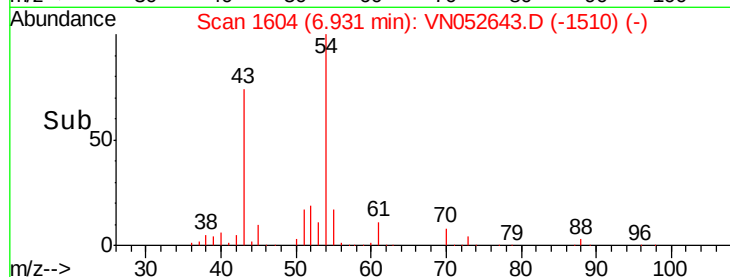
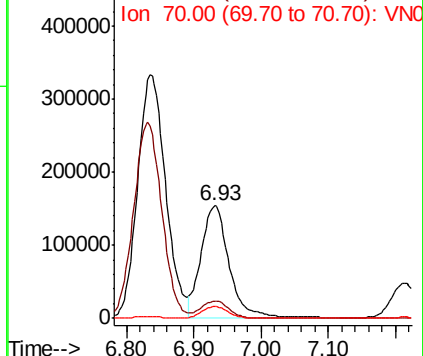
#37
Ethyl Acetate
Concen: 50.941 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 441024
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.8
70 9.9 7.8 11.8

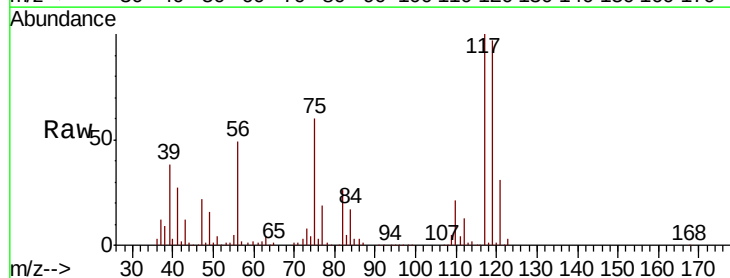


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

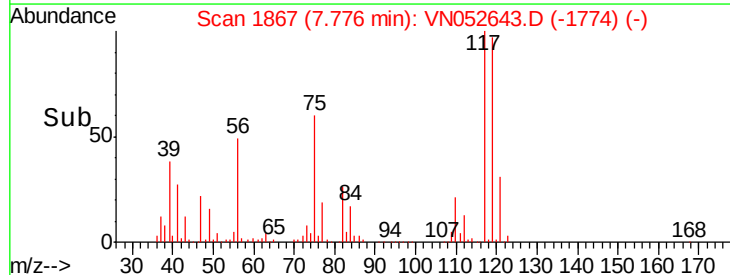
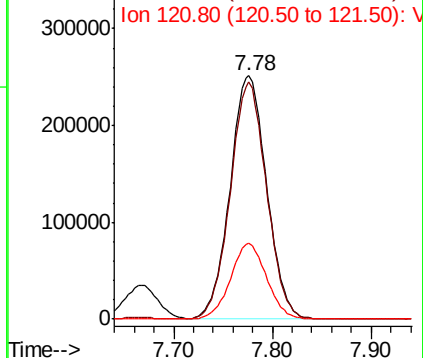


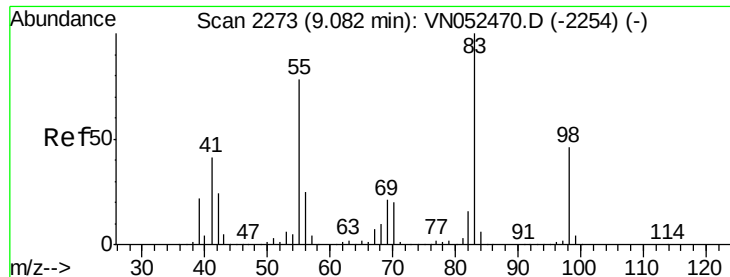
#38
Carbon Tetrachloride
Concen: 50.329 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion: 117 Resp: 646327
Ion Ratio Lower Upper
117 100
119 97.3 76.8 115.2
121 31.4 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

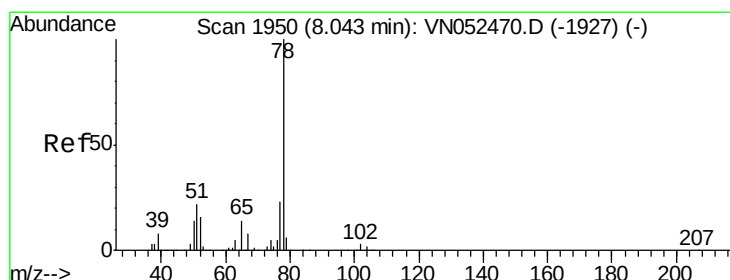
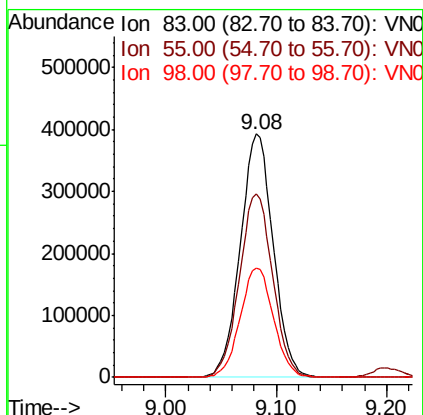
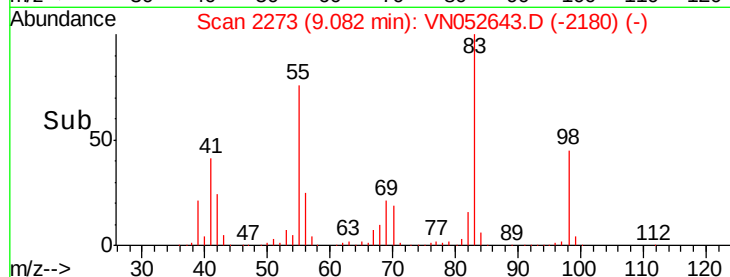
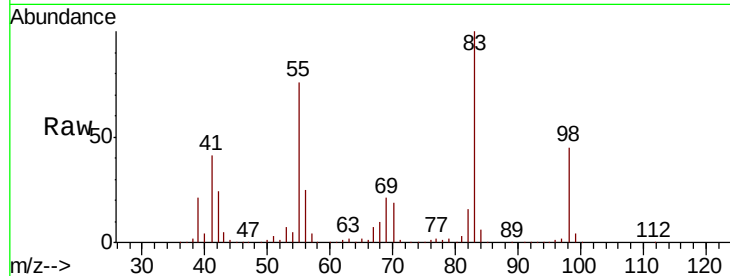




#39
Methylvlcyclohexane
Concen: 47.002 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

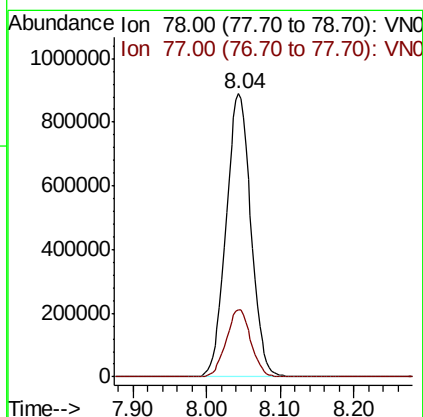
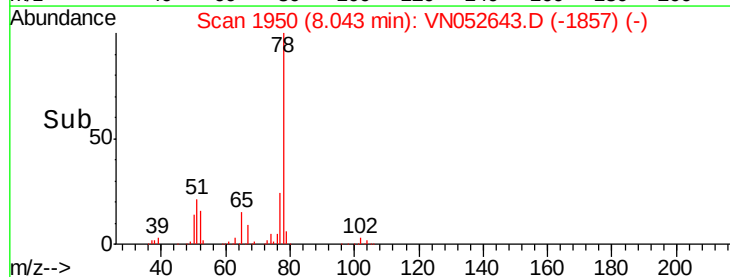
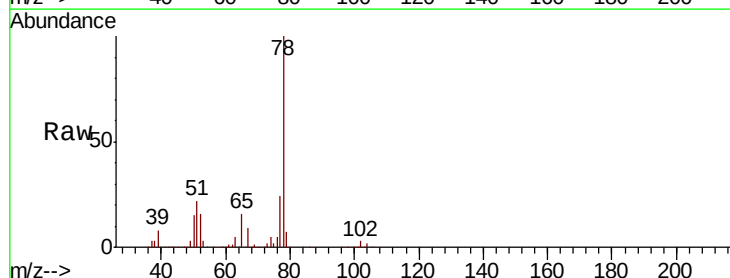
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

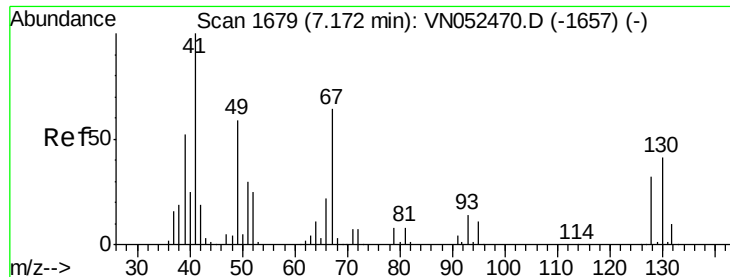
Tot Ion: 83 Resp: 810426
Ion Ratio Lower Upper
83 100
55 75.6 62.2 93.2
98 45.0 36.4 54.6



#40
Benzene
Concen: 49.069 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion: 78 Resp: 2074450
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

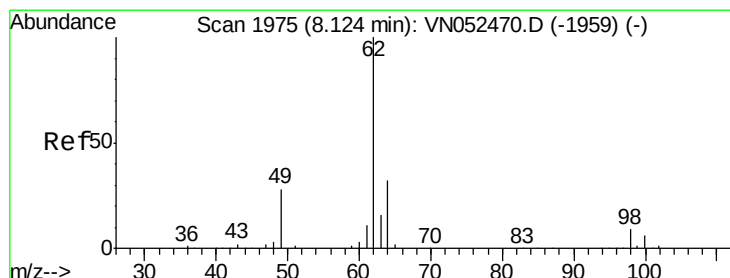
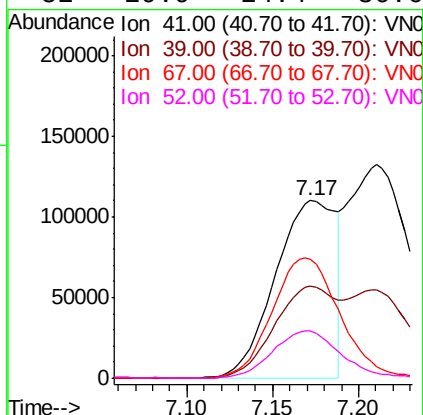
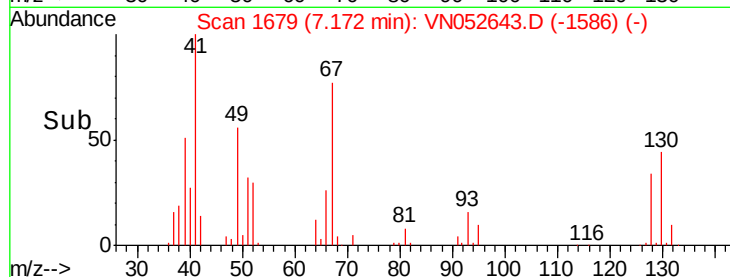
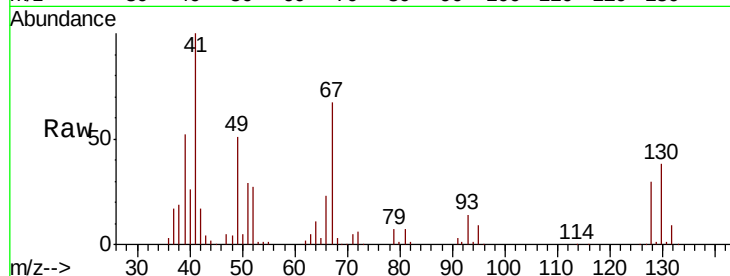




#41
Methacrylonitrile
Concen: 56.736 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

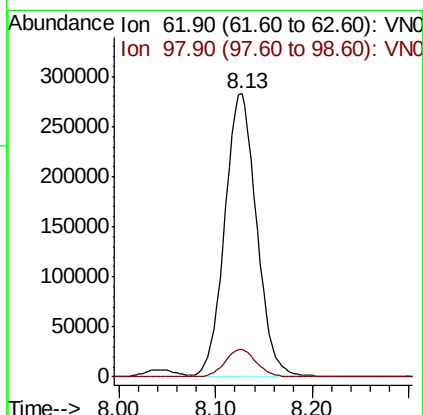
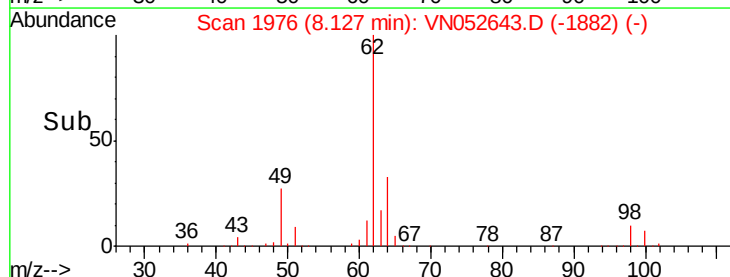
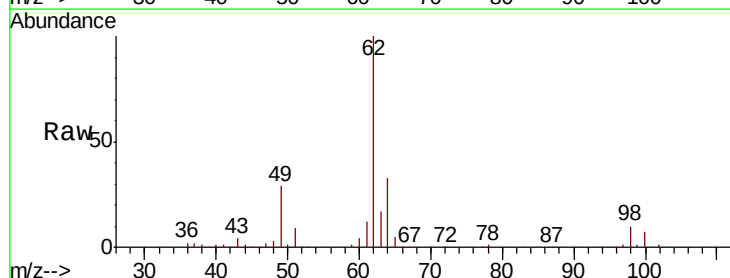
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

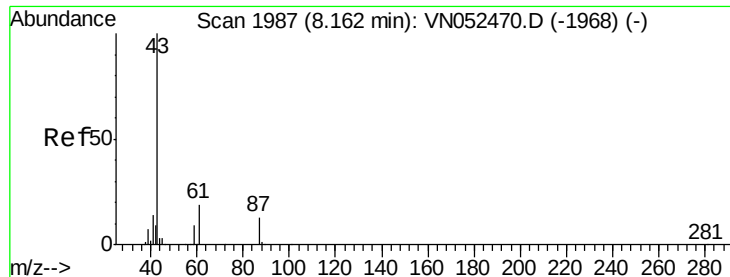
Tot Ion:	41	Resp:	268537
Ion	Ratio	Lower	Upper
41	100		
39	54.8	50.9	76.3
67	76.8	63.6	95.4
52	29.9	24.4	36.6



#42
1,2-Dichloroethane
Concen: 50.362 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion:	62	Resp:	644668
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 56.079 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

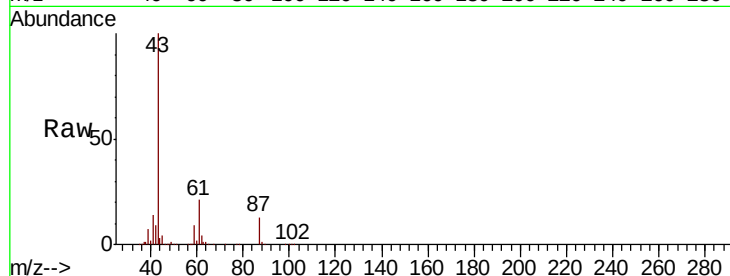
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 821614

Ion	Ratio	Lower	Upper
43	100		
61	20.3	24.1	36.1#
87	12.7	10.6	15.8

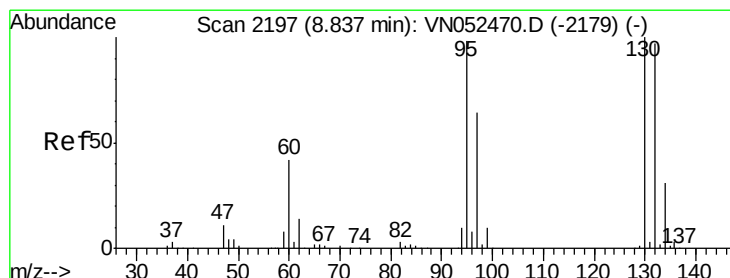
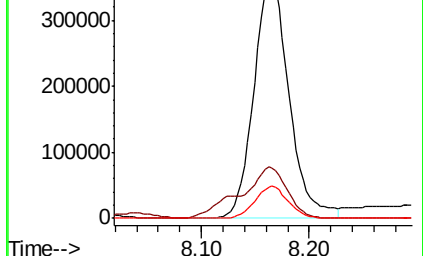
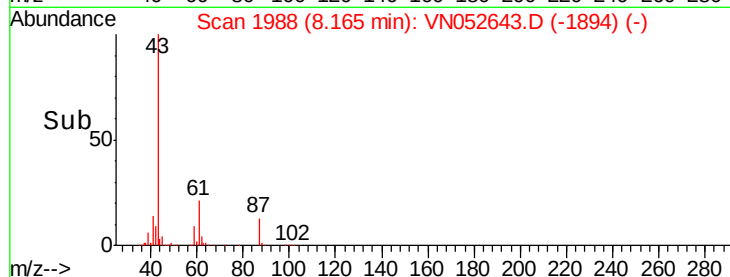


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 50.267 ug/l

RT: 8.84 min Scan# 2197

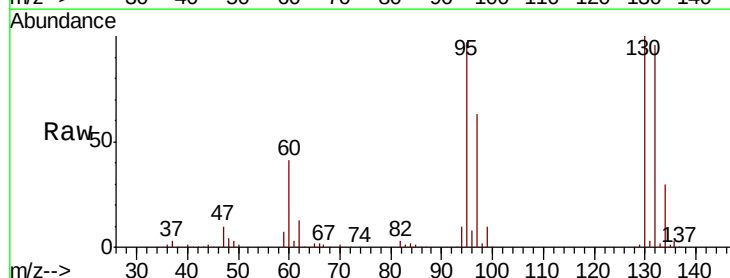
Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Tgt Ion: 130 Resp: 544344

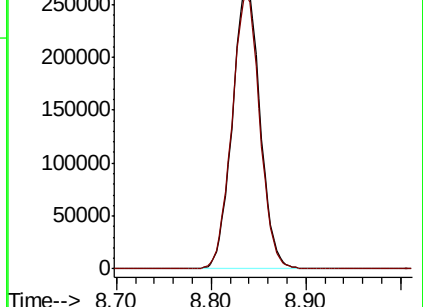
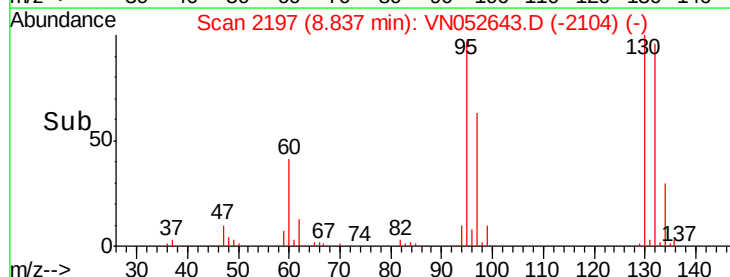
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	195.6

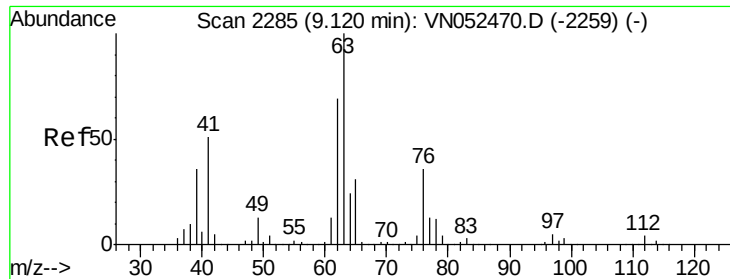


Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

Time-->

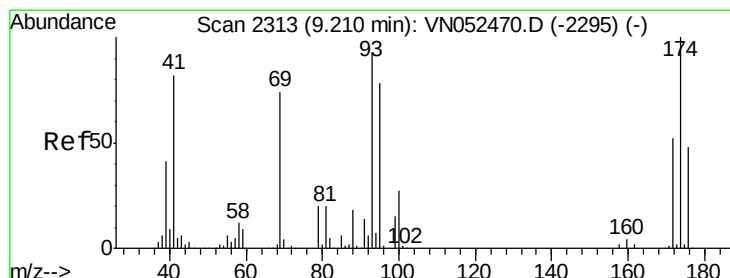
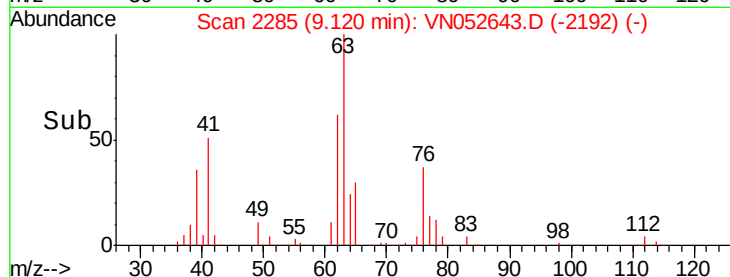
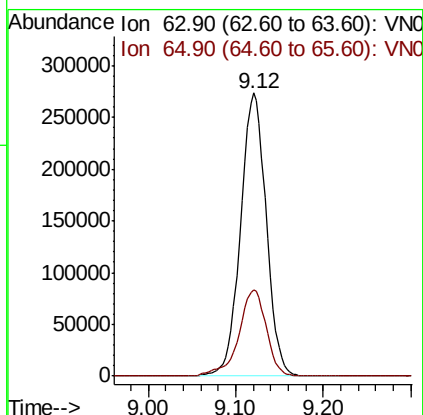
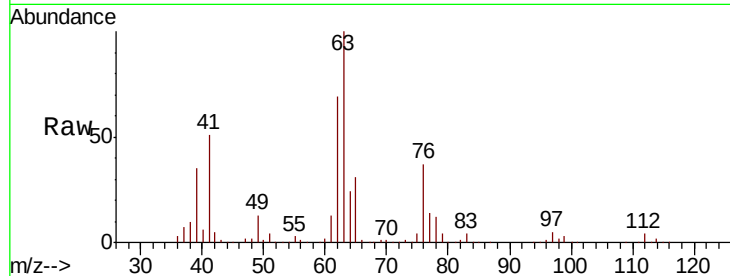




#45
 1,2-Dichloropropane
 Concen: 49.560 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

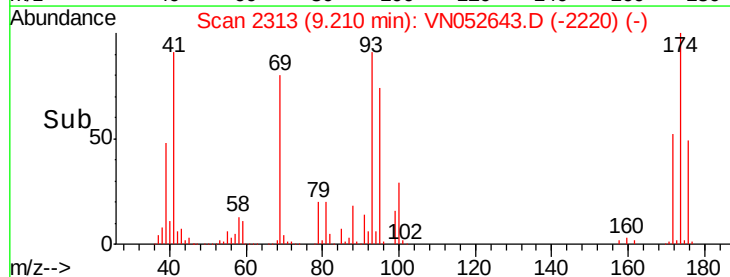
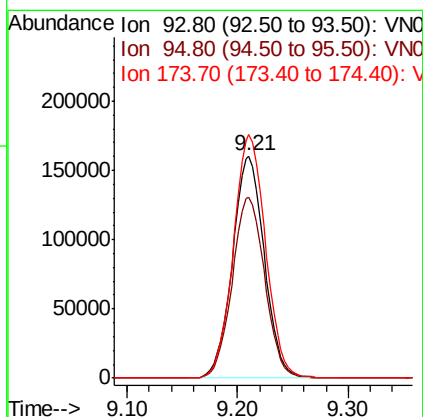
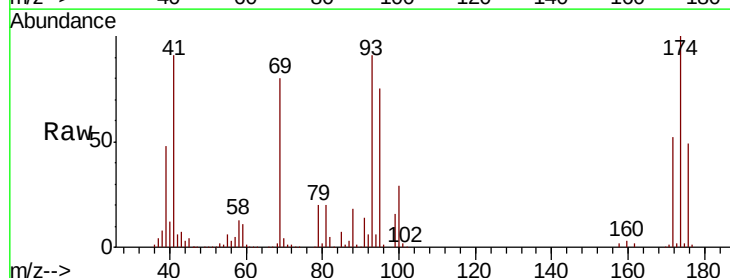
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

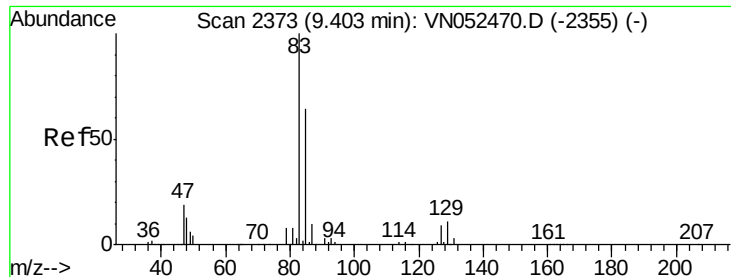
Tot Ion: 63 Resp: 557034
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6



#46
 Dibromomethane
 Concen: 51.580 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion: 93 Resp: 320937
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.1 100.7
 174 110.8 85.8 128.8

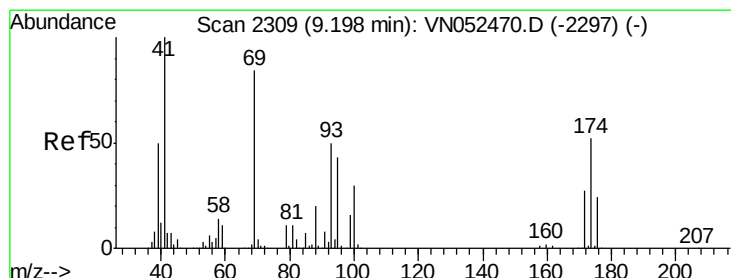
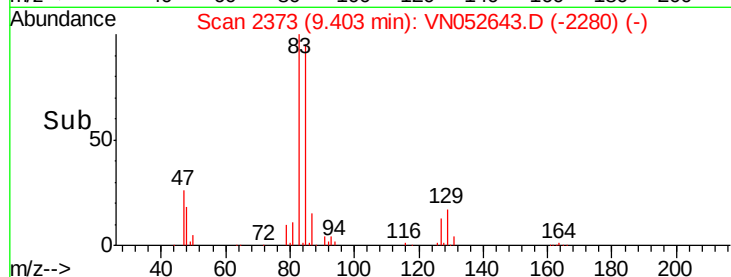
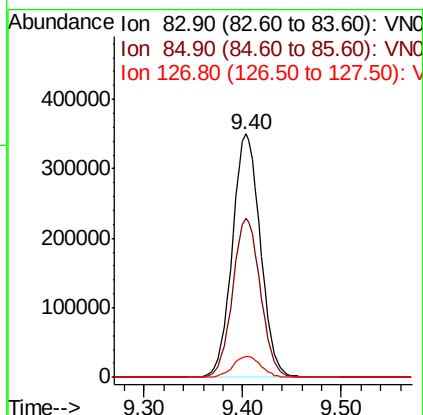
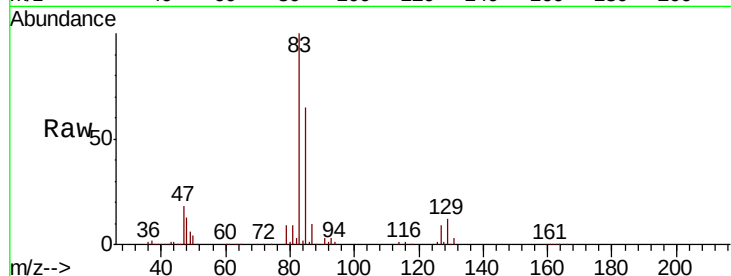




#47
Bromodichloromethane
Concen: 51.108 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

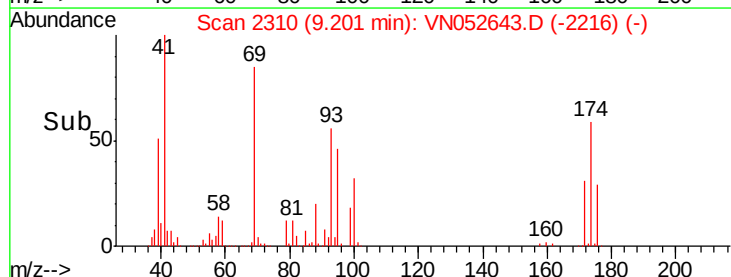
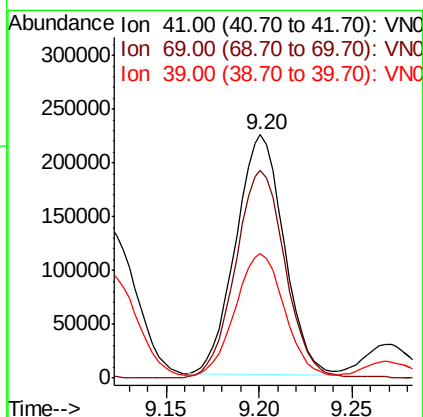
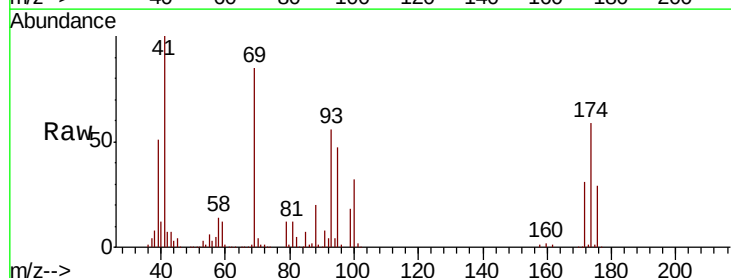
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

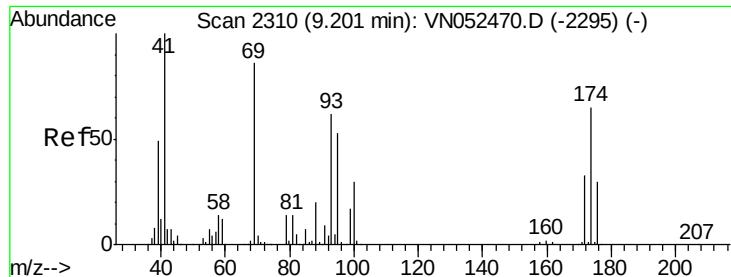
Tot Ion: 83 Resp: 691392
Ion Ratio Lower Upper
83 100
85 65.2 51.3 76.9
127 8.8 6.9 10.3



#48
Methyl methacrylate
Concen: 52.872 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion: 41 Resp: 403913
Ion Ratio Lower Upper
41 100
69 90.0 70.0 105.0
39 53.7 42.6 64.0

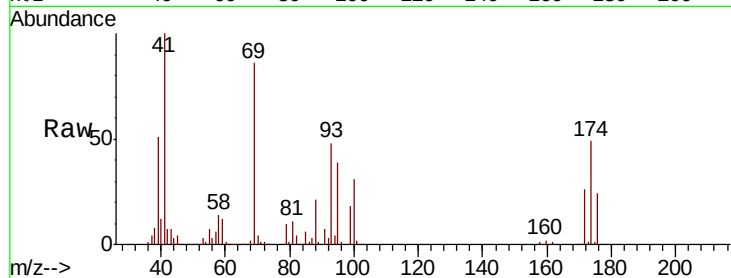




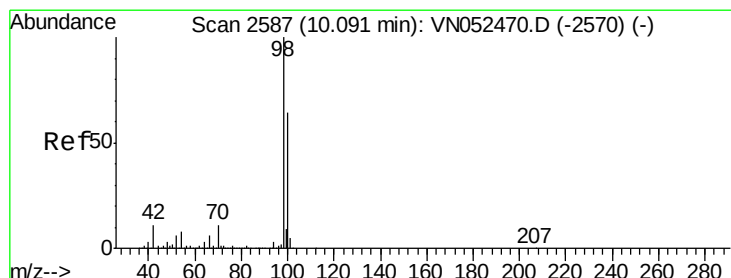
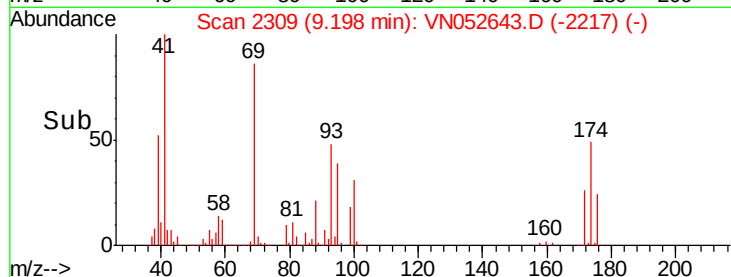
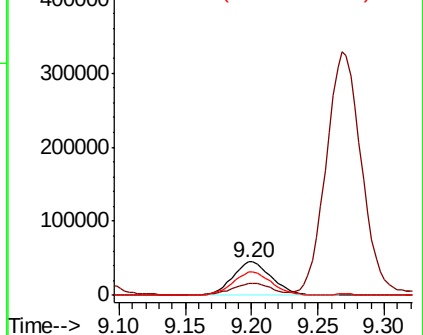
#49
1,4-Dioxane
Concen: 1167.600 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 92573
Ion Ratio Lower Upper
88 100
43 33.5 26.4 39.6
58 70.2 55.4 83.0

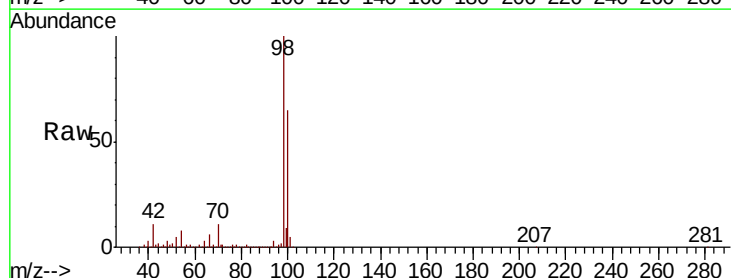


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

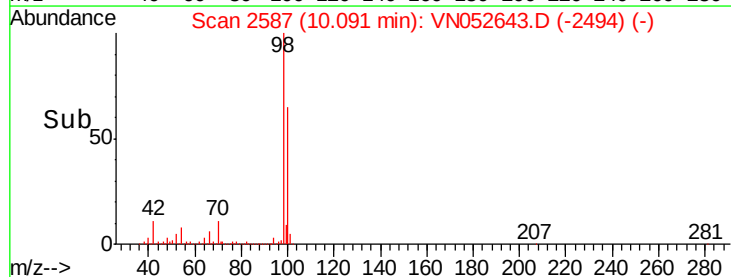
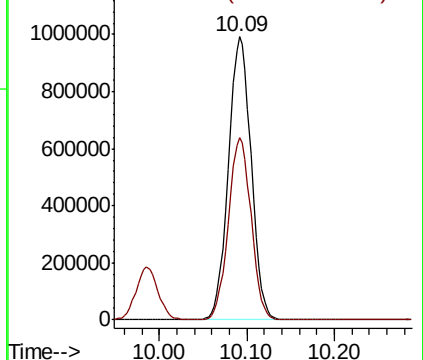


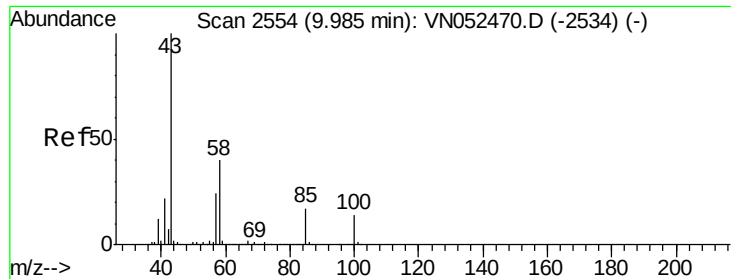
#50
Toluene-d8
Concen: 1167.600 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion: 98 Resp: 1787313
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 269.983 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

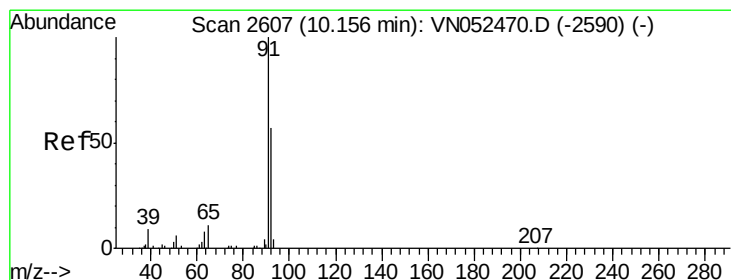
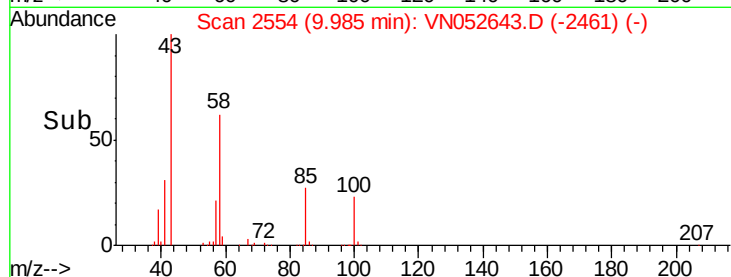
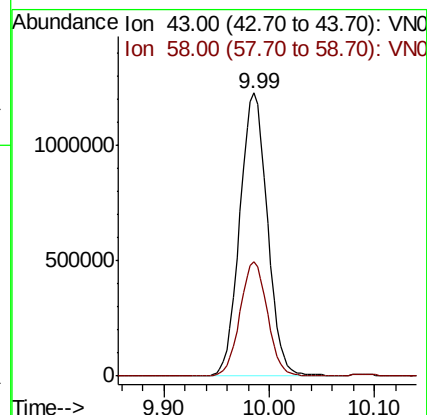
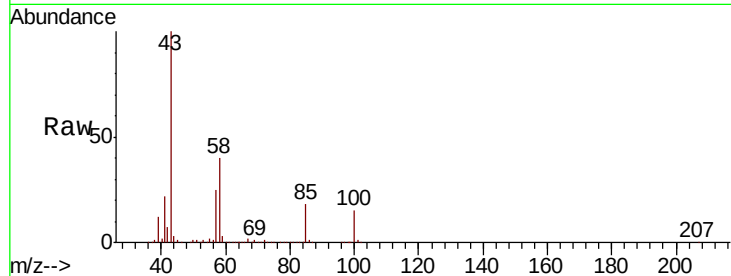
VSTDCCC050EC

Tot Ion: 43 Resp: 2219338

Ion Ratio Lower Upper

43 100

58 40.1 31.5 47.3



#52

Toluene

Concen: 50.812 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052643.D

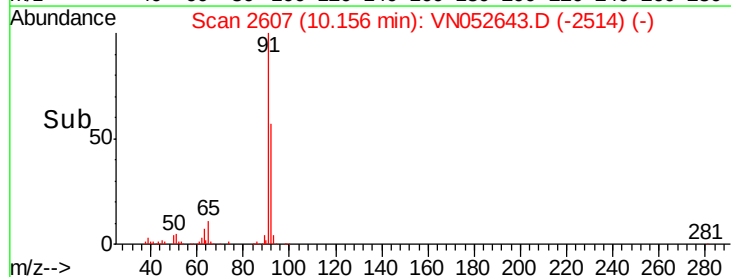
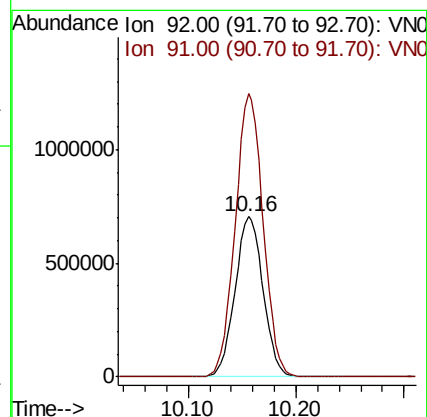
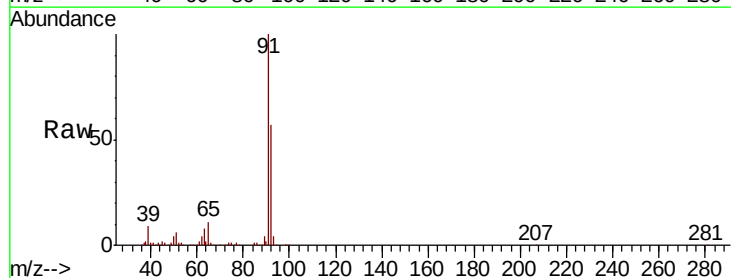
Acq: 3 Dec 2018 20:30

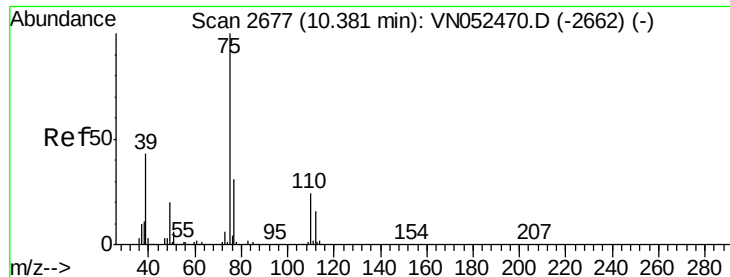
Tgt Ion: 92 Resp: 1276314

Ion Ratio Lower Upper

92 100

91 176.4 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 53.489 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

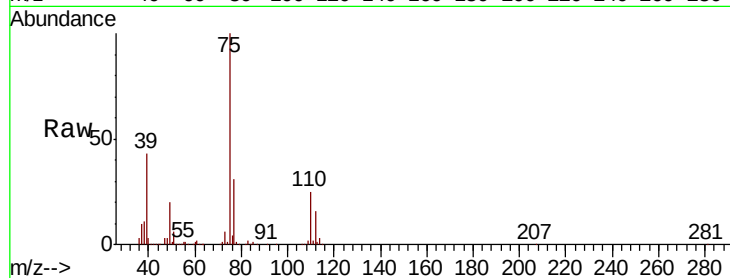
VSTDCCC050EC

Tot Ion: 75 Resp: 696117

Ion Ratio Lower Upper

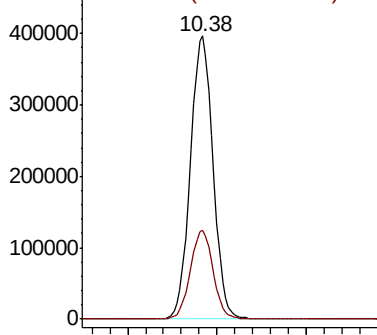
75 100

77 31.1 25.0 37.4

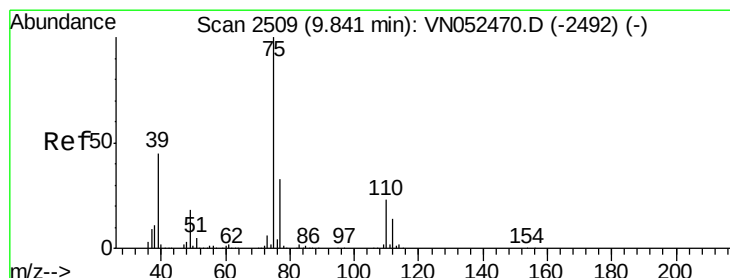
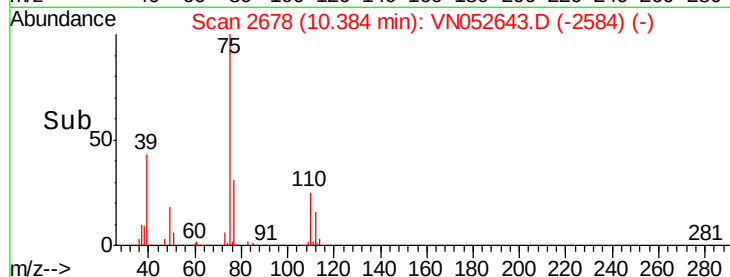


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.387 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

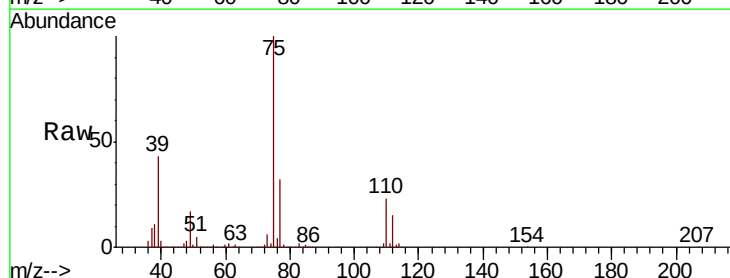
Tgt Ion: 75 Resp: 817013

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

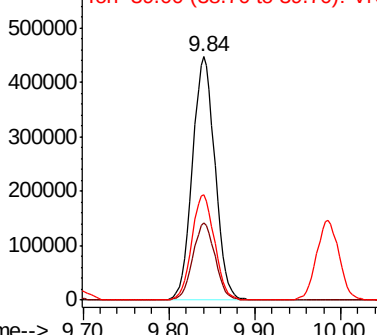
39 43.3 36.0 54.0



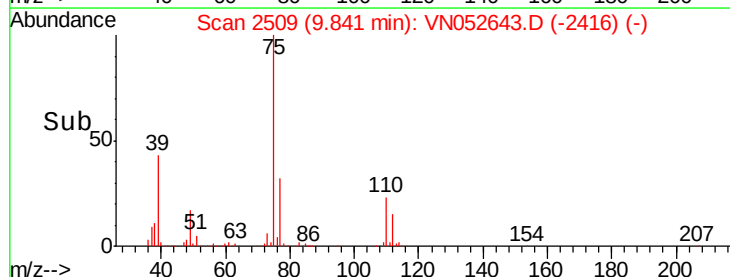
Abundance Ion 74.90 (74.60 to 75.60): VN0

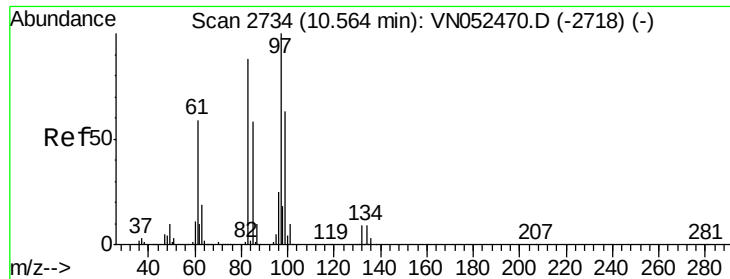
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

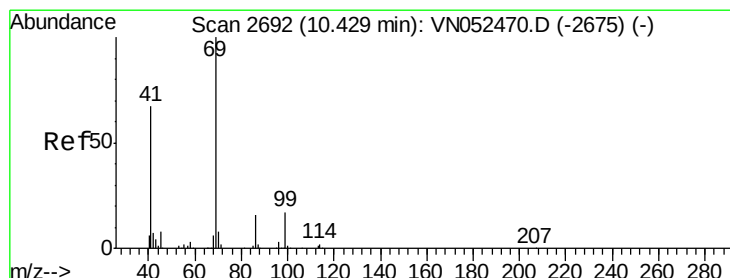
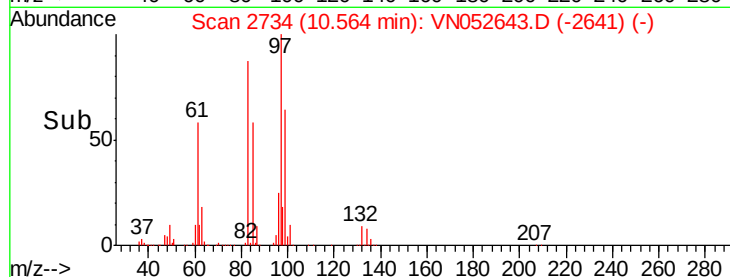
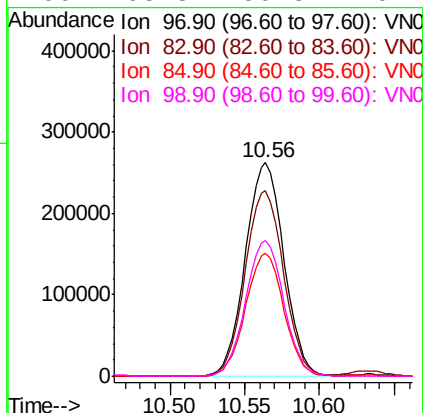
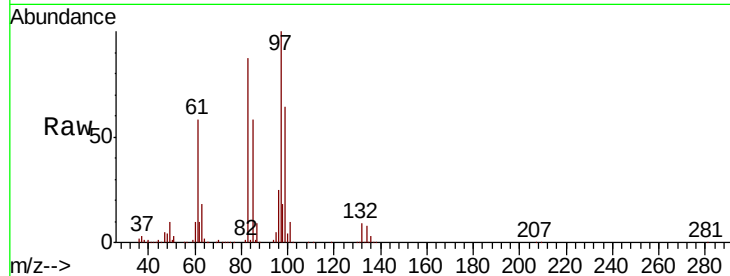




#55
 1,1,2-Trichloroethane
 Concen: 53.322 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

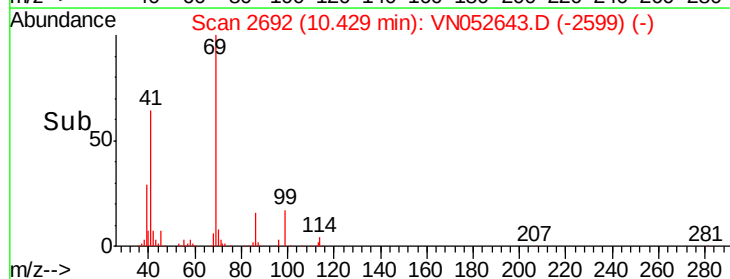
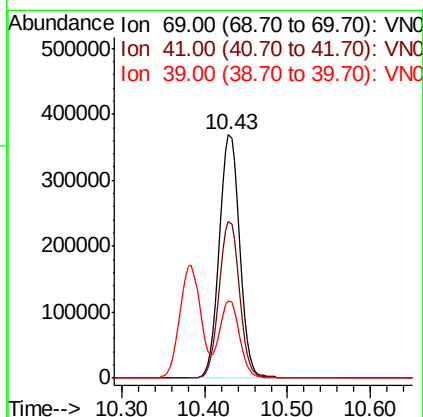
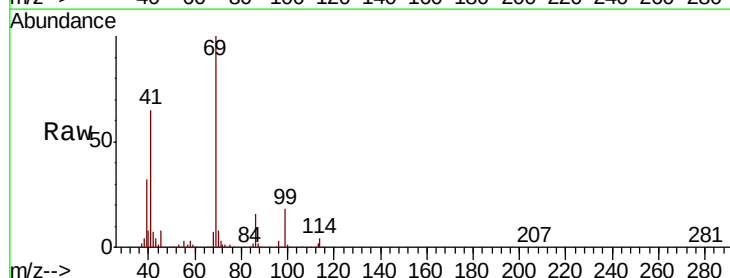
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

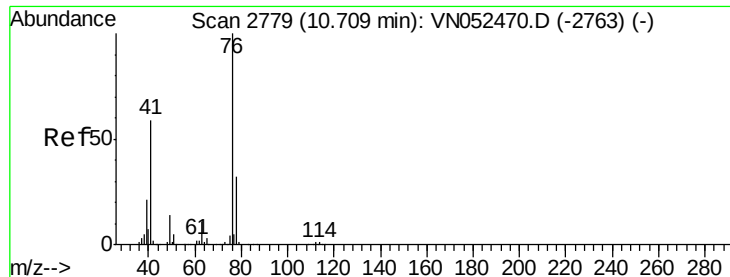
Tot Ion:	97	Resp:	471123
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.7	106.1
85	57.7	46.1	69.1
99	63.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 50.900 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion:	69	Resp:	625119
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.6	79.0
39	31.5	25.9	38.9





#57

1,3-Dichloropropane

Concen: 51.452 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

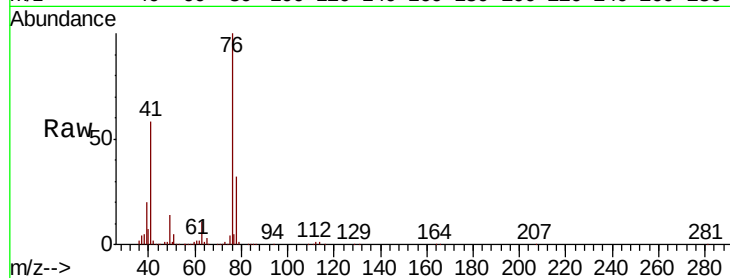
VSTDCCC050EC

Tot Ion: 76 Resp: 802702

Ion Ratio Lower Upper

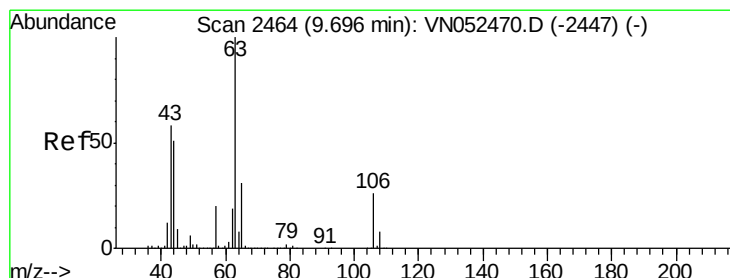
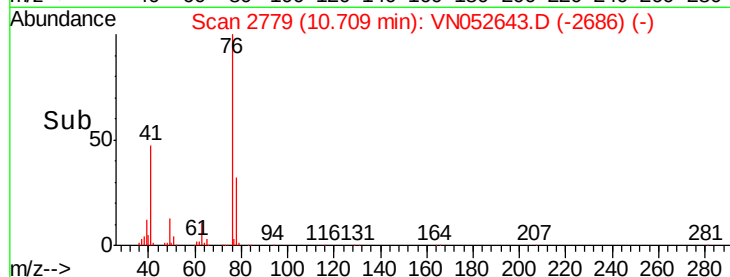
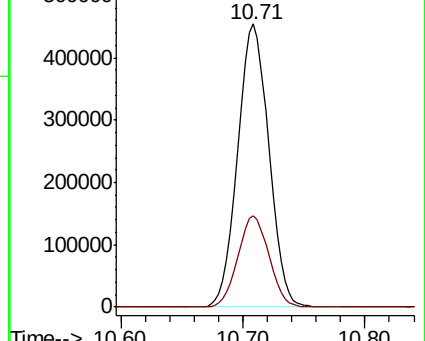
76 100

78 32.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 265.312 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052643.D

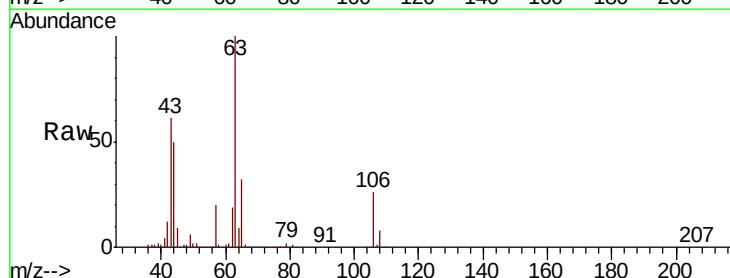
Acq: 3 Dec 2018 20:30

Tgt Ion: 63 Resp: 1700971

Ion Ratio Lower Upper

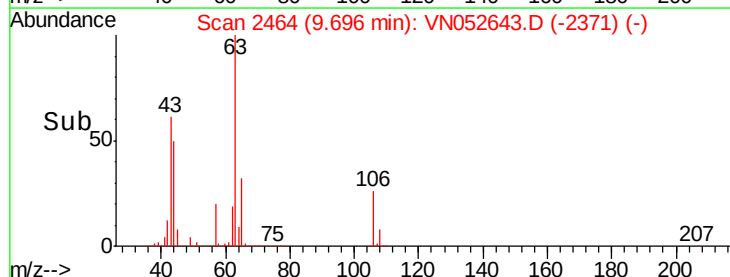
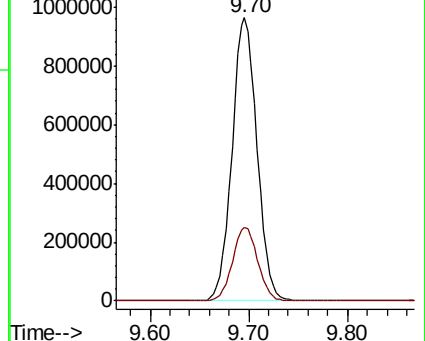
63 100

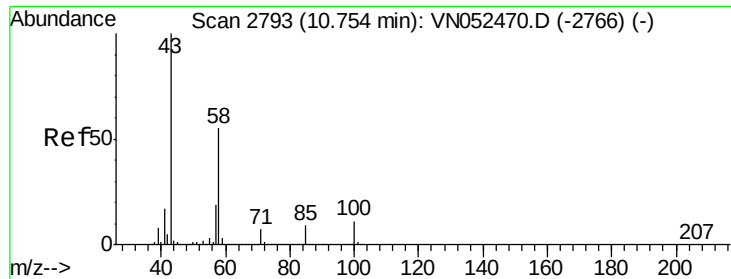
106 26.2 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

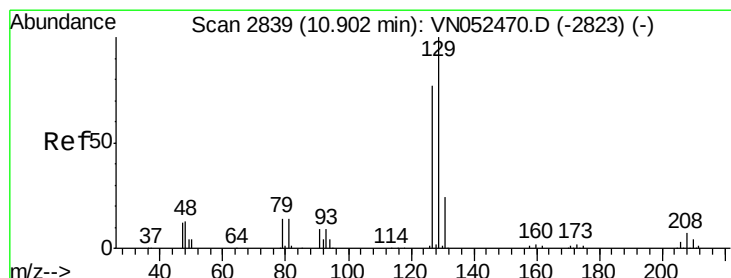
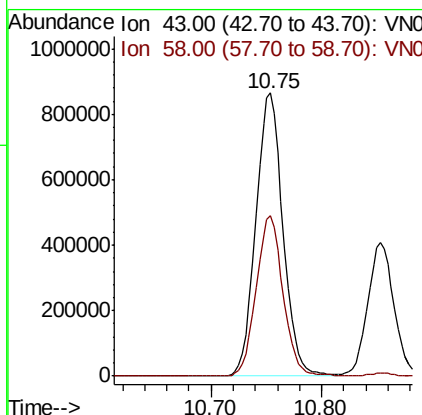
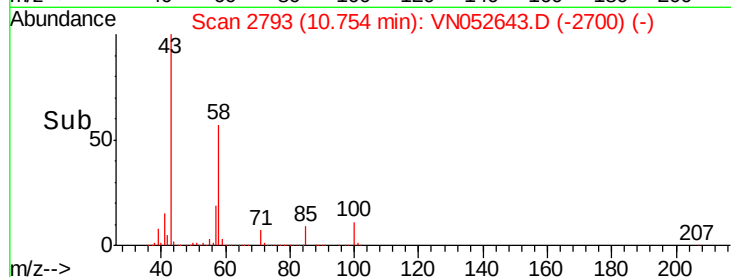
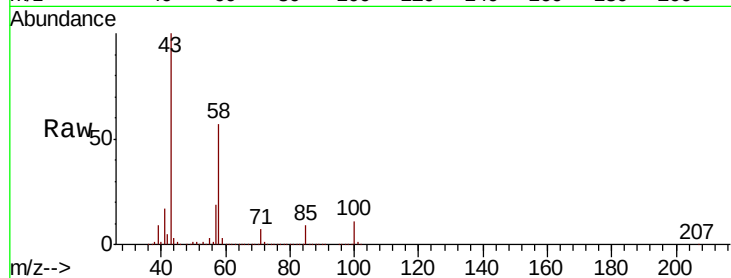




#59
2-Hexanone
Concen: 266.240 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

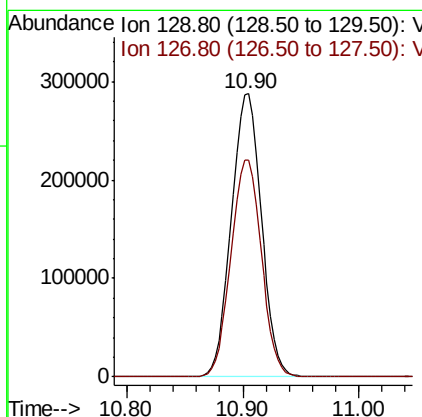
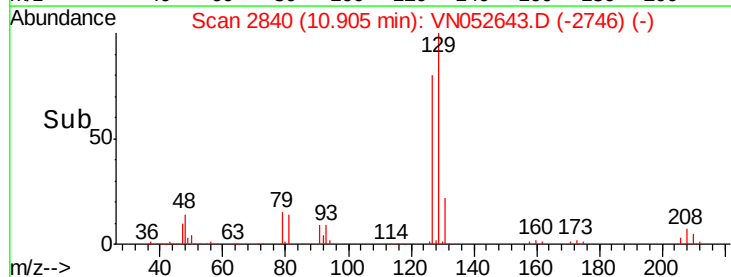
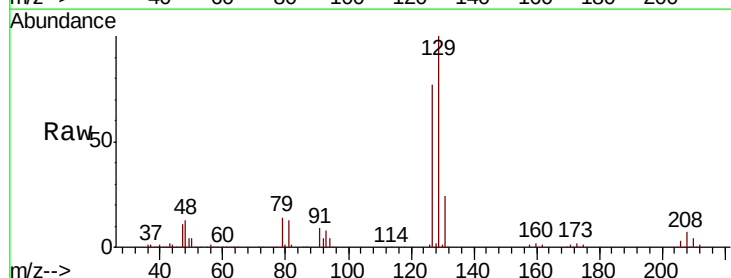
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

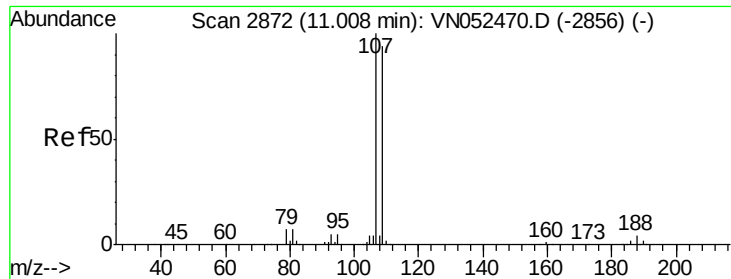
Tot Ion: 43 Resp: 1468861
Ion Ratio Lower Upper
43 100
58 56.2 27.4 82.0



#60
Dibromochloromethane
Concen: 53.793 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion: 129 Resp: 516209
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 53.429 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

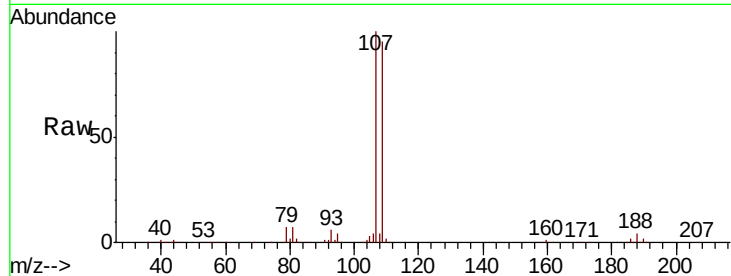
VSTDCCC050EC

Tot Ion:107 Resp: 468864

Ion Ratio Lower Upper

107 100

109 94.9 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

250000

200000

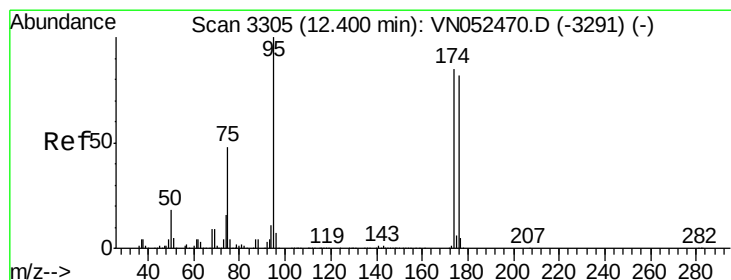
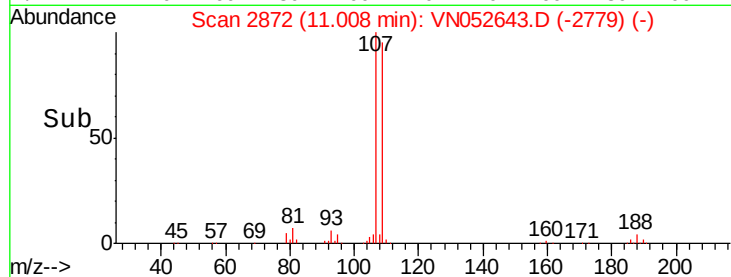
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 53.429 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

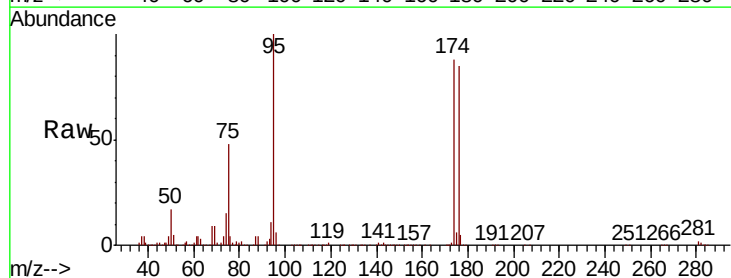
Tgt Ion: 95 Resp: 623762

Ion Ratio Lower Upper

95 100

174 88.3 0.0 173.0

176 86.2 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

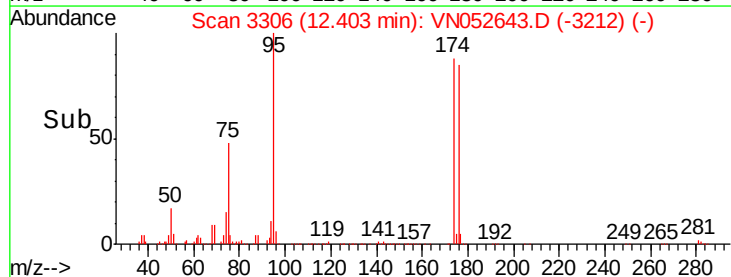
300000

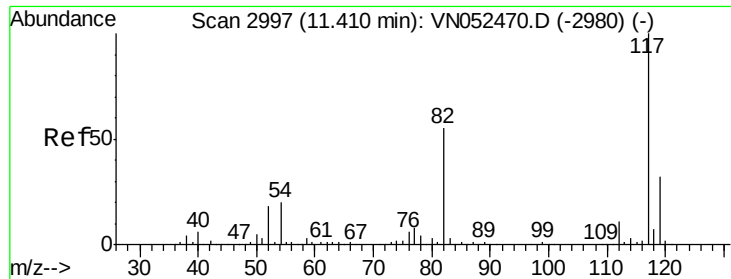
200000

100000

0

Time--> 12.35 12.40 12.45

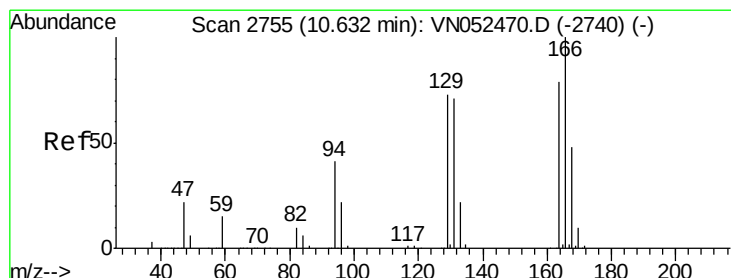
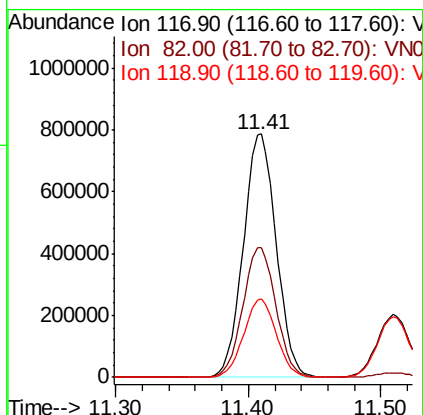
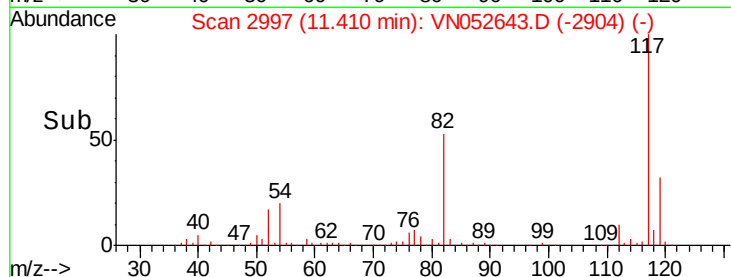
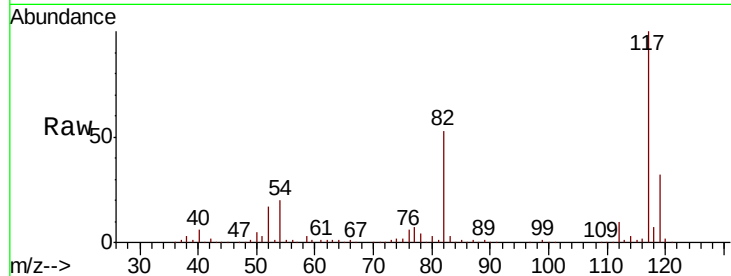




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

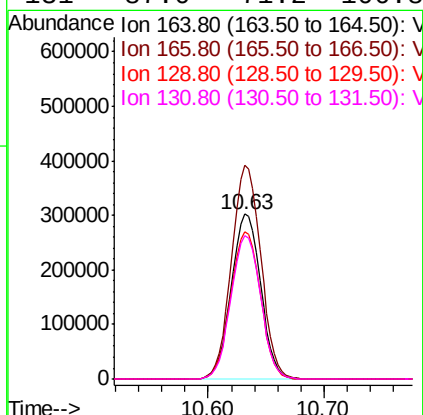
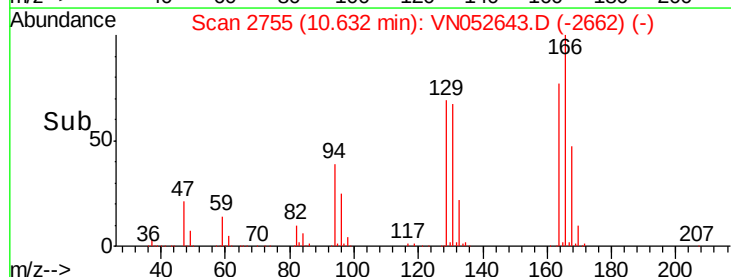
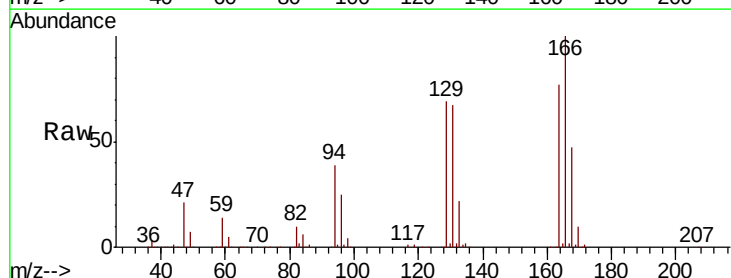
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

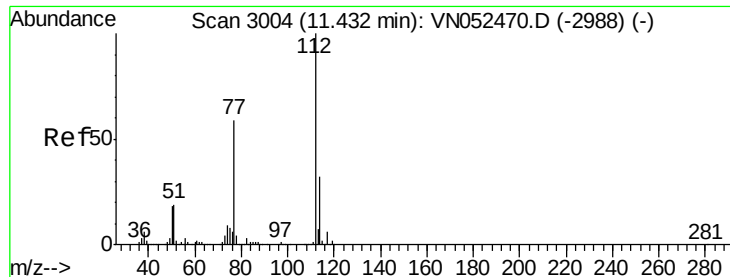
Tot Ion:117 Resp: 1351898
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 50.808 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion:164 Resp: 532550
Ion Ratio Lower Upper
164 100
166 129.5 101.0 151.4
129 89.2 73.8 110.6
131 87.0 71.2 106.8

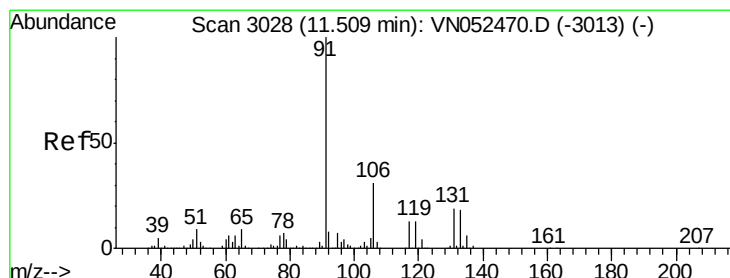
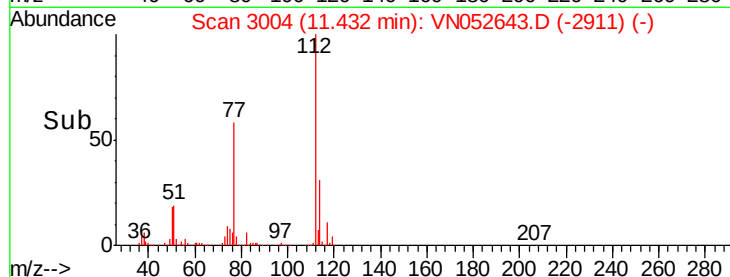
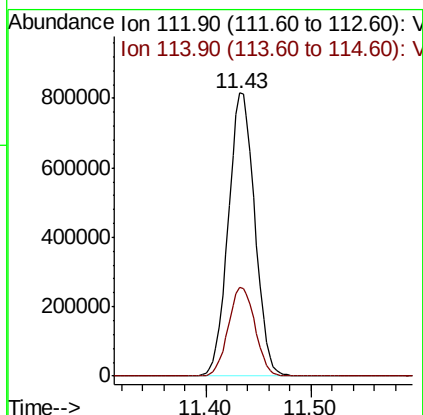
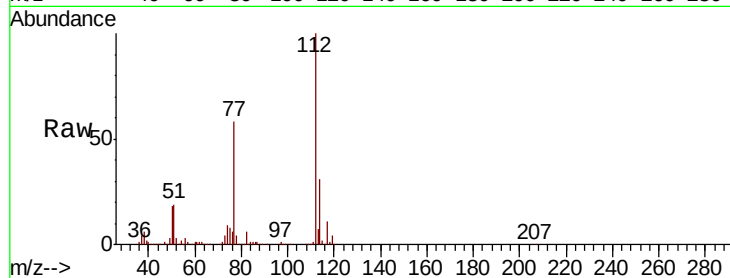




#65
Chlorobenzene
Concen: 50.708 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

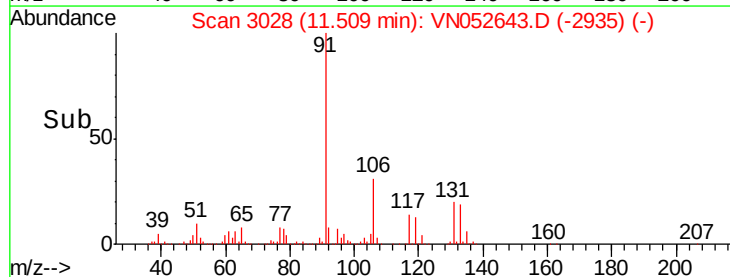
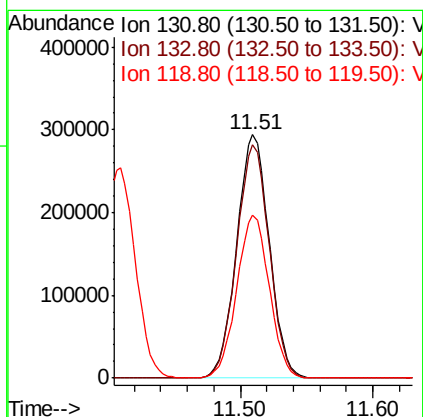
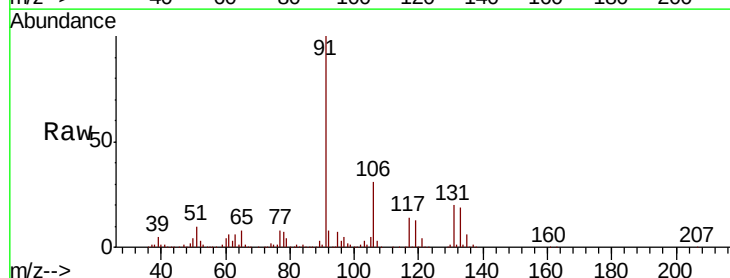
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

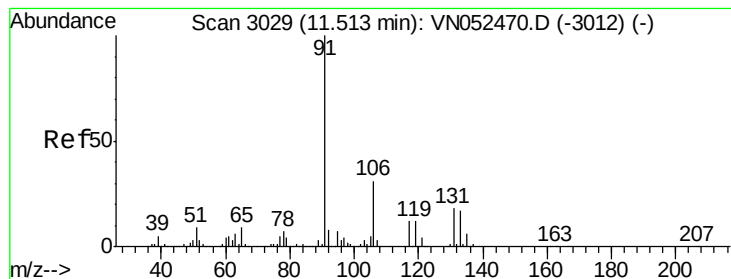
Tot Ion:112 Resp: 1413548
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.723 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion:131 Resp: 501330
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.8
119 66.9 33.2 99.6





#67

Ethyl Benzene

Concen: 50.720 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

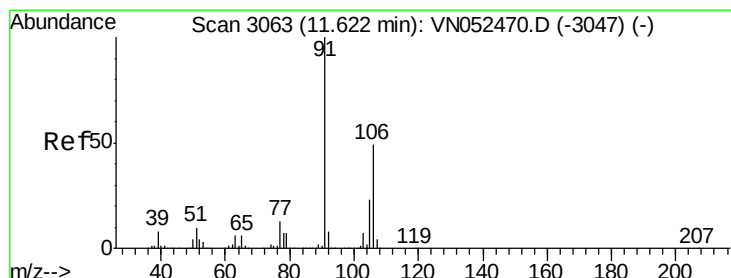
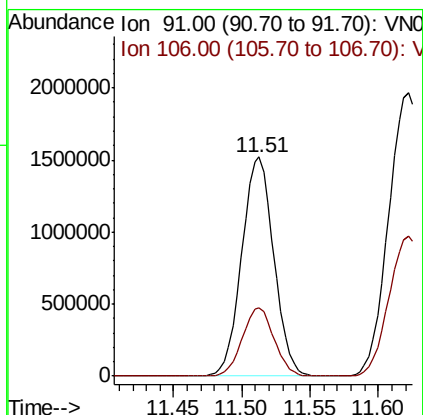
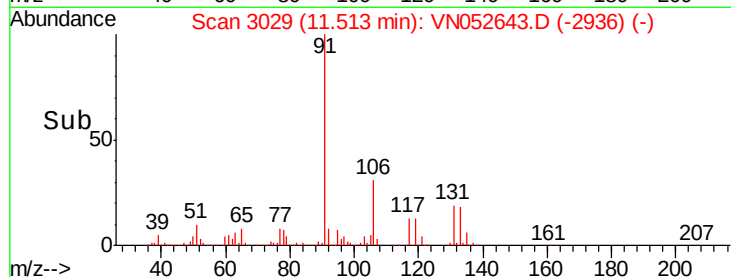
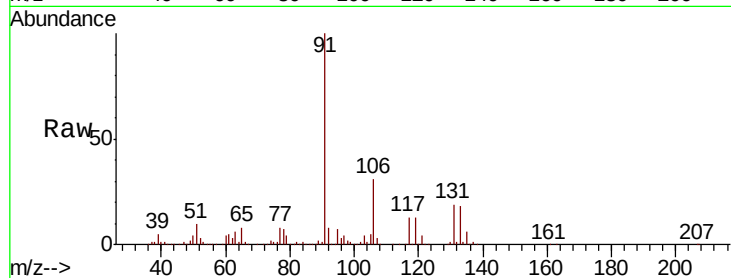
VSTDCCC050EC

Tot Ion: 91 Resp: 2475947

Ion Ratio Lower Upper

91 100

106 31.3 24.9 37.3



#68

m/p-Xylenes

Concen: 102.676 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052643.D

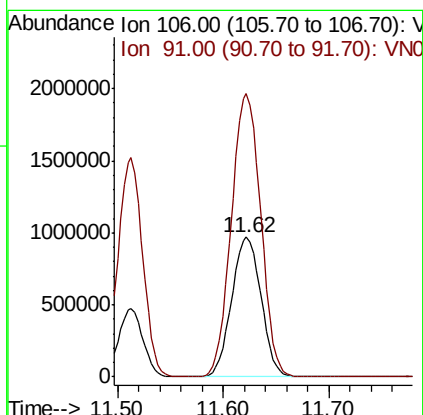
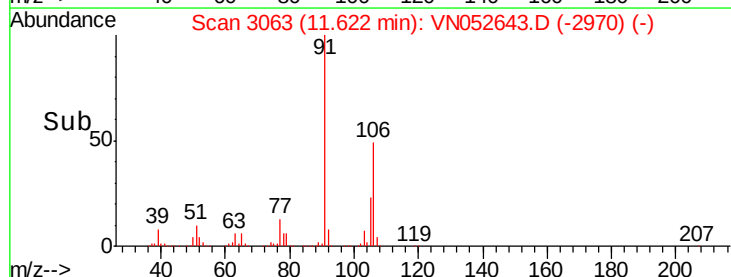
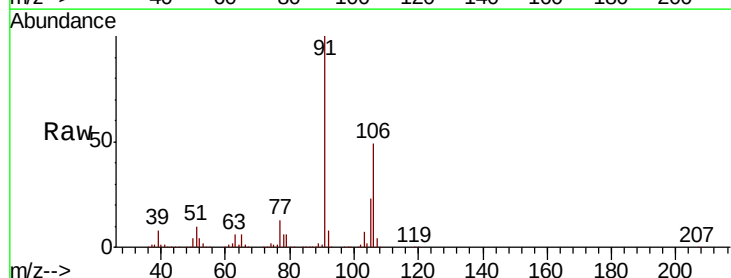
Acq: 3 Dec 2018 20:30

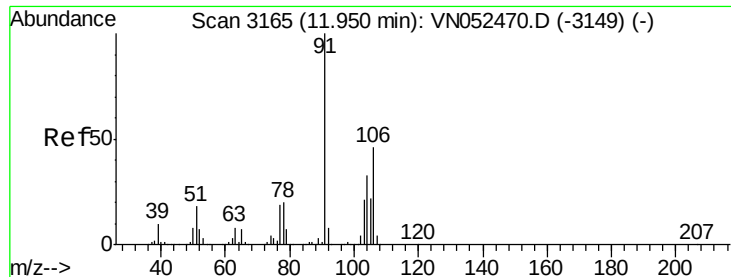
Tgt Ion:106 Resp: 1865923

Ion Ratio Lower Upper

106 100

91 203.3 163.2 244.8

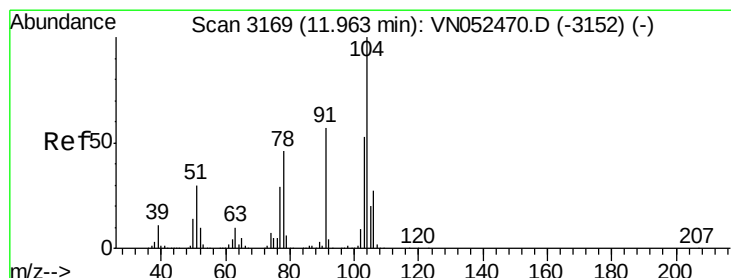
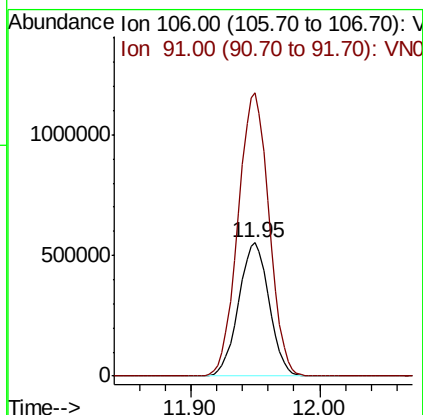
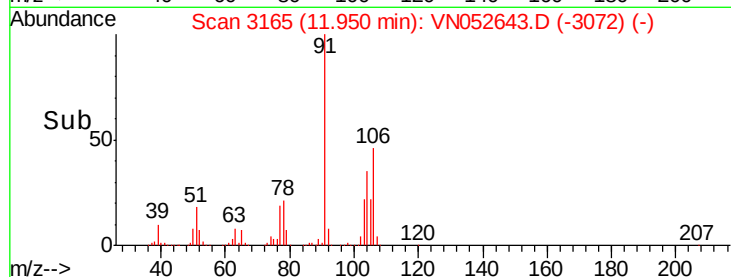
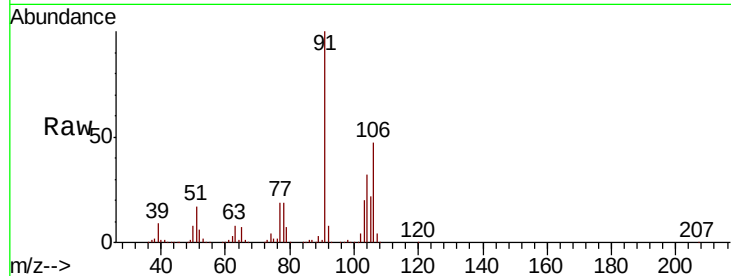




#69
o-Xylene
Concen: 51.600 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

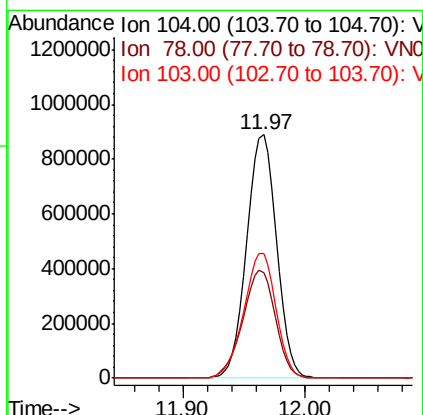
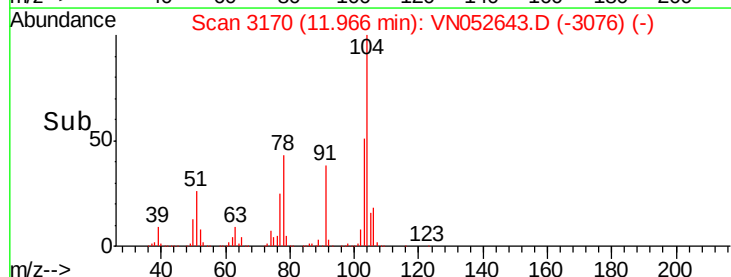
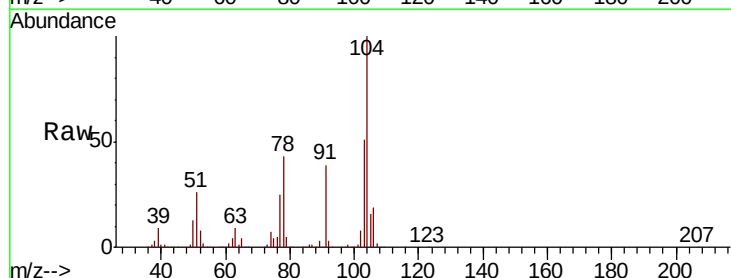
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

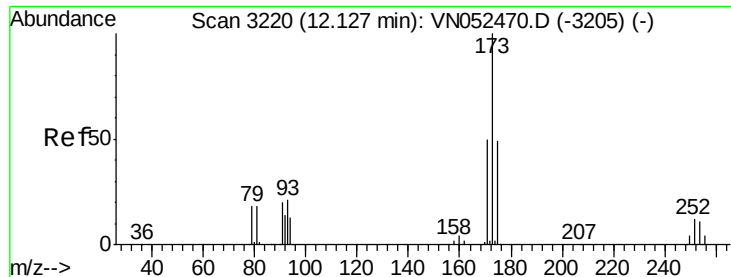
Tot Ion:106 Resp: 910601
Ion Ratio Lower Upper
106 100
91 215.2 107.7 323.1



#70
Styrene
Concen: 53.312 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion:104 Resp: 1498492
Ion Ratio Lower Upper
104 100
78 48.5 39.4 59.2
103 55.3 44.9 67.3





#71

Bromoform

Concen: 55.577 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

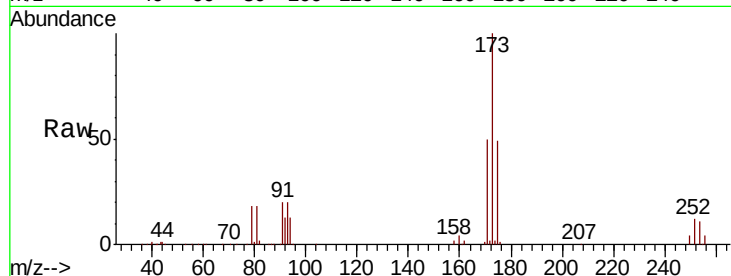
Tot Ion:173 Resp: 356677

Ion Ratio Lower Upper

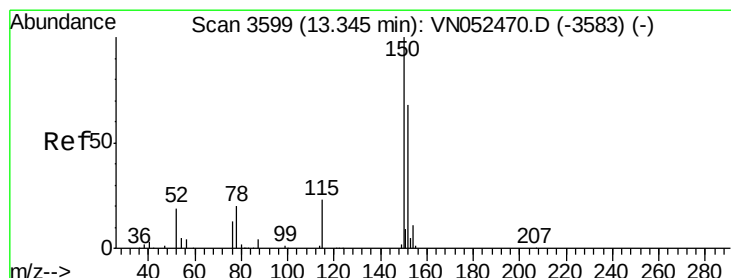
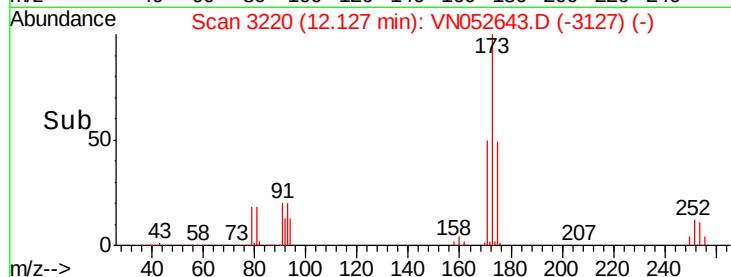
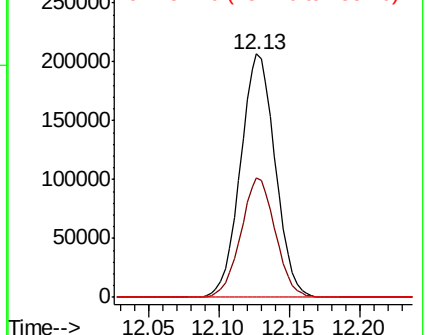
173 100

175 48.7 24.4 73.2

254 0.1 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# 3599

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

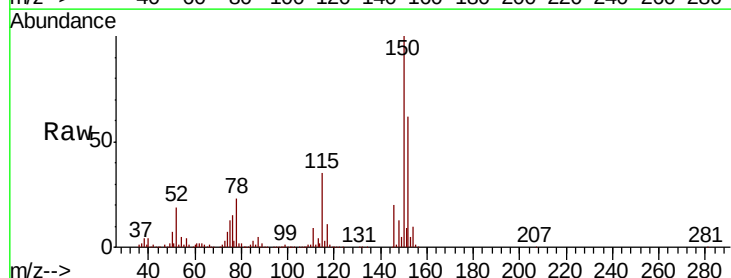
Tgt Ion:152 Resp: 631108

Ion Ratio Lower Upper

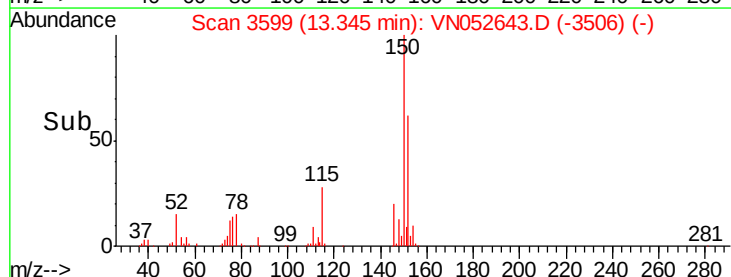
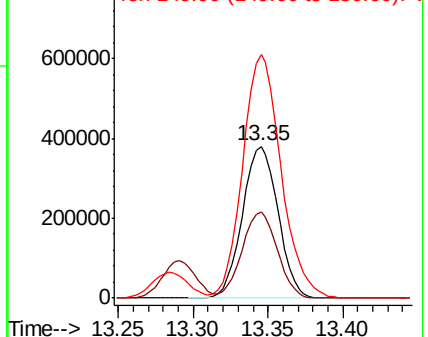
152 100

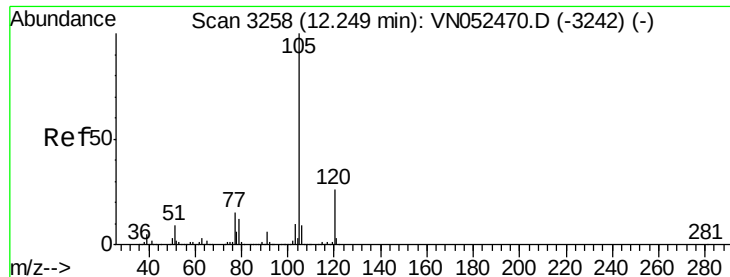
115 56.0 28.4 85.2

150 173.1 0.0 346.0



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: 49.456 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

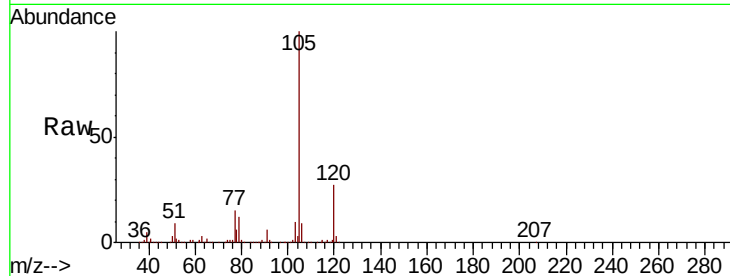
VSTDCCC050EC

Tot Ion:105 Resp: 2448759

Ion Ratio Lower Upper

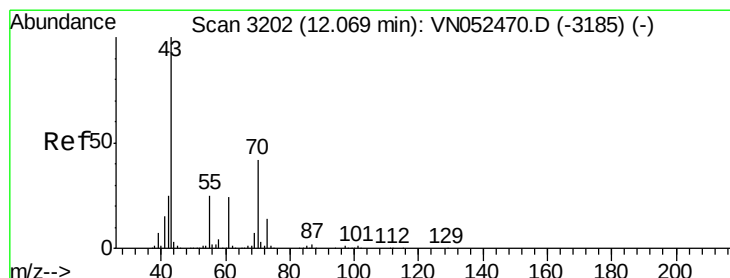
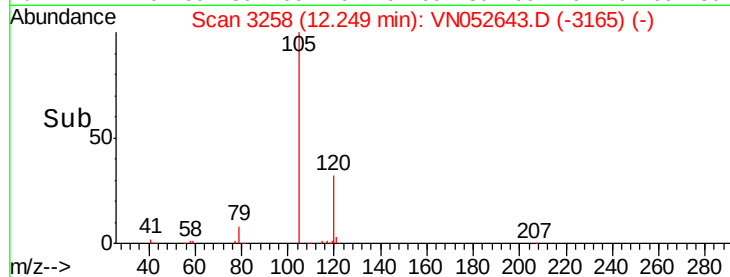
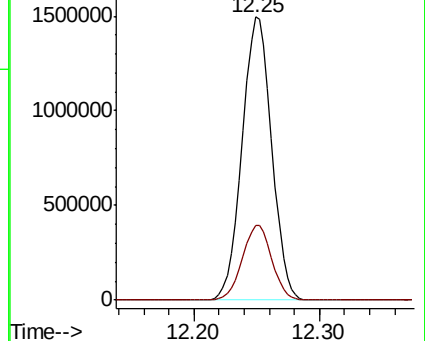
105 100

120 26.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.978 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Tgt Ion: 43 Resp: 687739

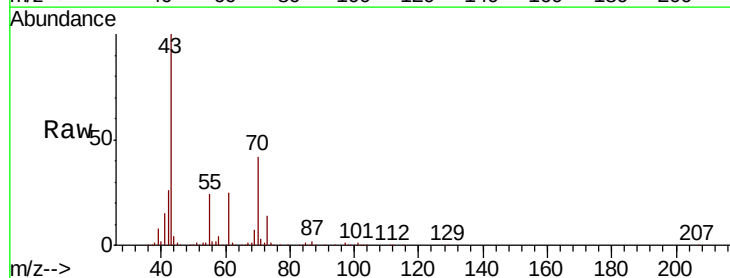
Ion Ratio Lower Upper

43 100

70 42.5 33.8 50.8

55 25.1 20.0 30.0

61 25.0 19.7 29.5

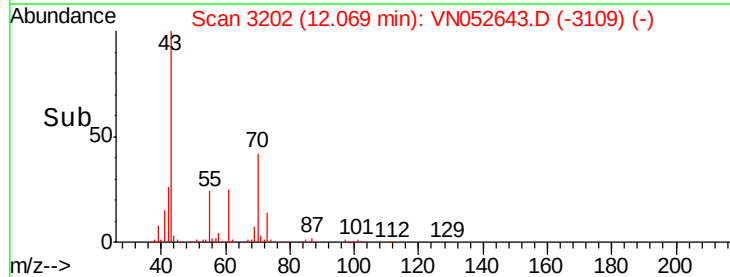
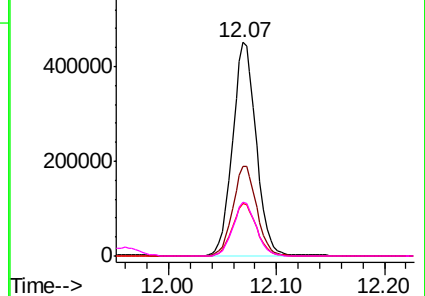


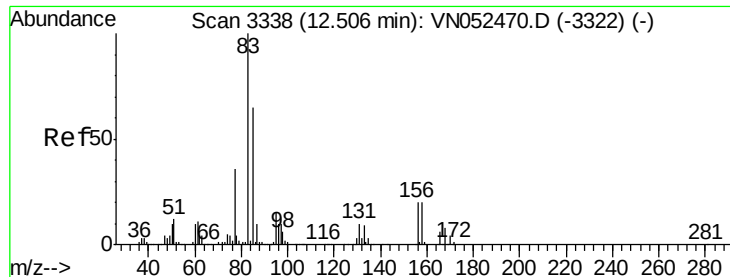
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.944 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

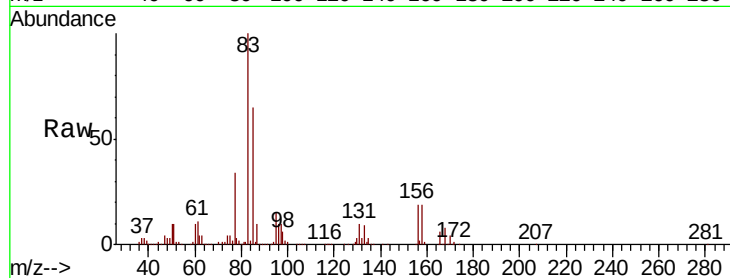
Tot Ion: 83 Resp: 573811

Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

85 64.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN052643.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN052643.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN052643.D (-3245) (-)

12.51

400000

300000

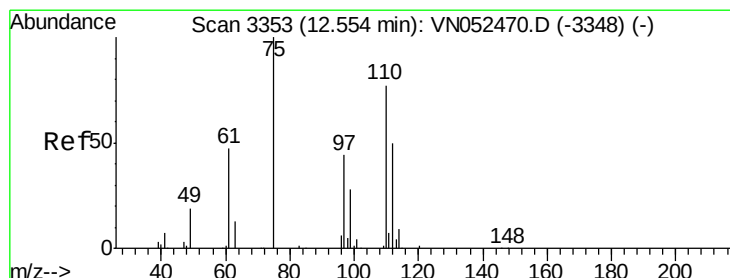
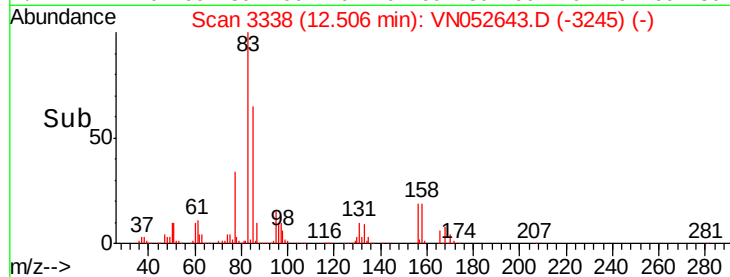
200000

100000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 73.463 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052643.D

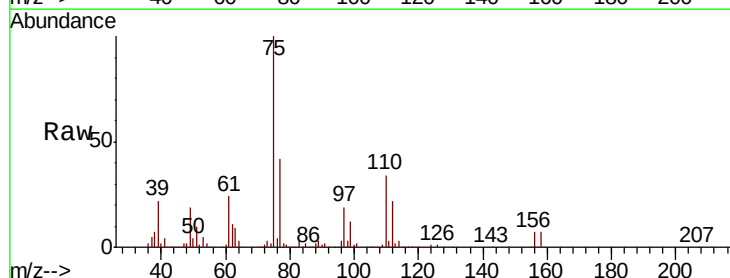
Acq: 3 Dec 2018 20:30

Tgt Ion: 75 Resp: 714945

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052643.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052643.D (-3260) (-)

600000

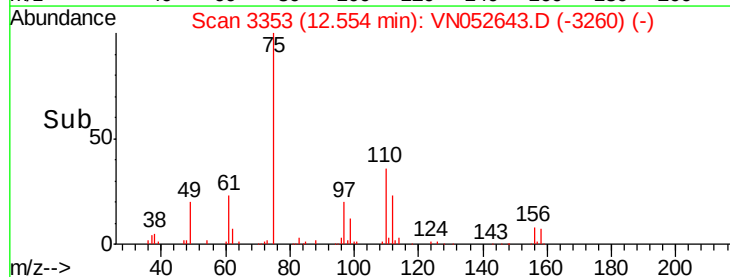
400000

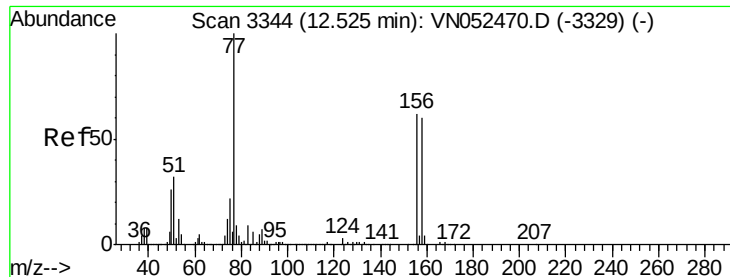
200000

0

12.40 12.50 12.60

Time-->





#77

Bromobenzene

Concen: 50.021 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

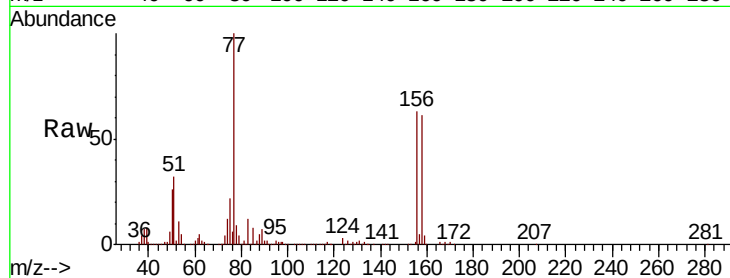
Tot Ion:156 Resp: 612186

Ion Ratio Lower Upper

156 100

77 185.3 93.5 280.4

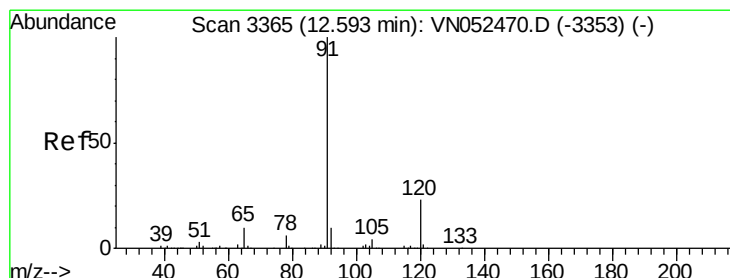
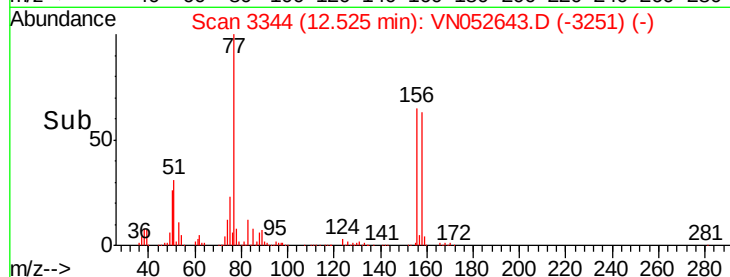
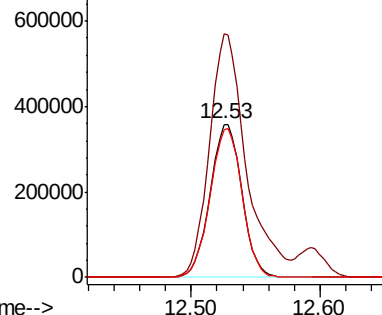
158 97.7 48.3 144.9



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: 49.473 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052643.D

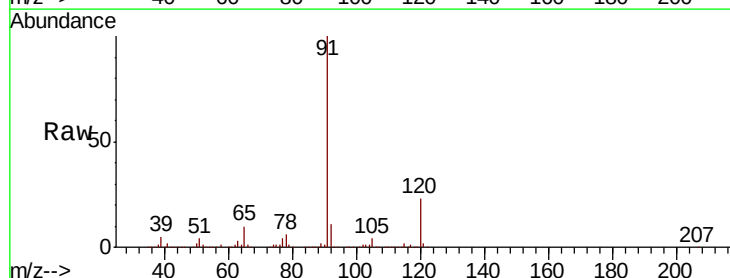
Acq: 3 Dec 2018 20:30

Tgt Ion: 91 Resp: 2782889

Ion Ratio Lower Upper

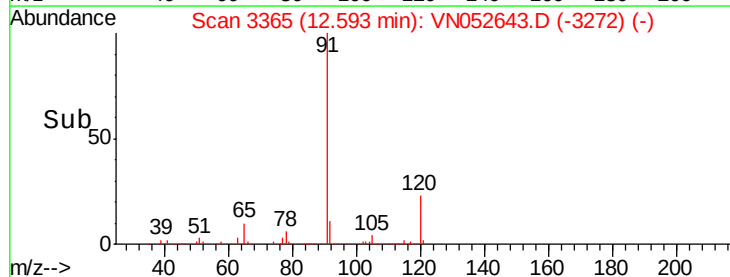
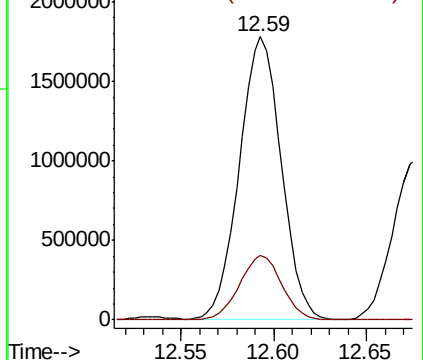
91 100

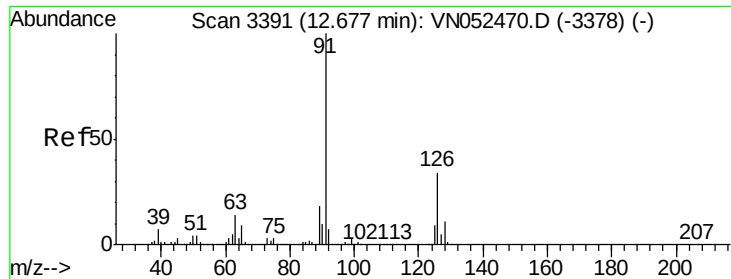
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.260 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

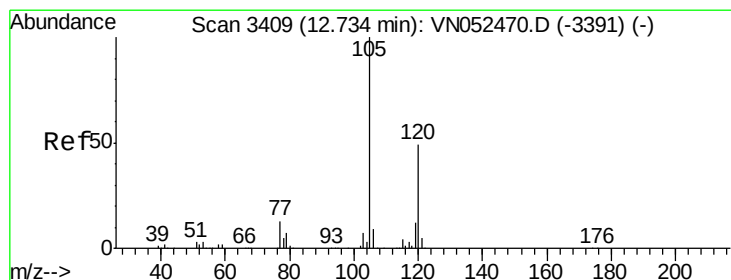
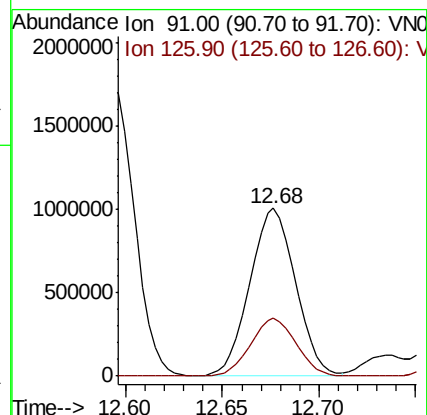
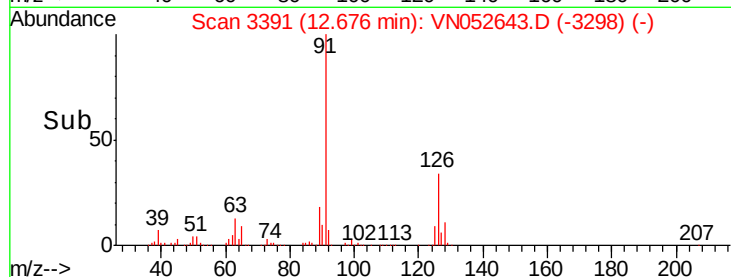
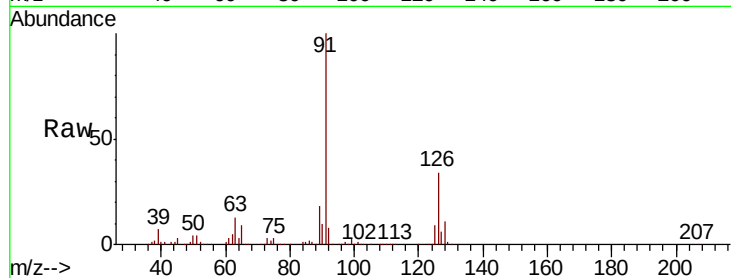
VSTDCCC050EC

Tot Ion: 91 Resp: 1650075

Ion Ratio Lower Upper

91 100

126 34.4 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 50.161 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052643.D

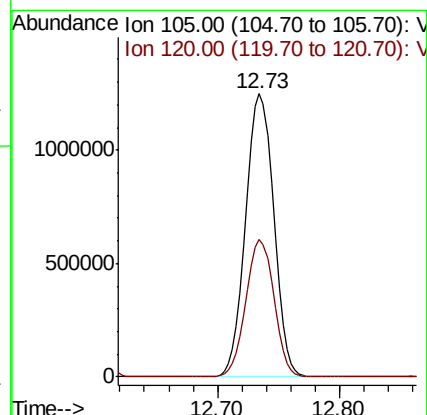
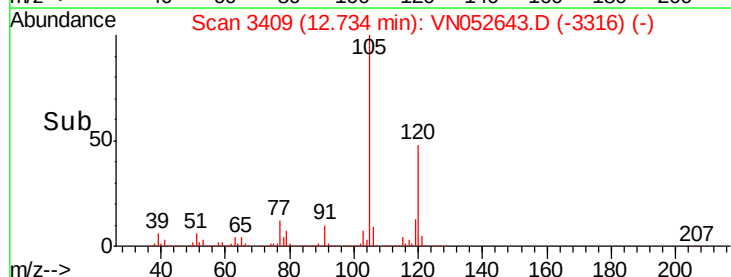
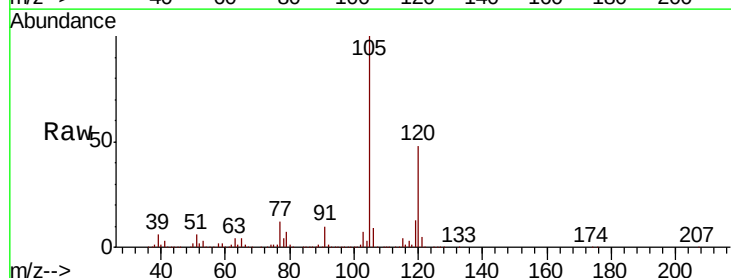
Acq: 3 Dec 2018 20:30

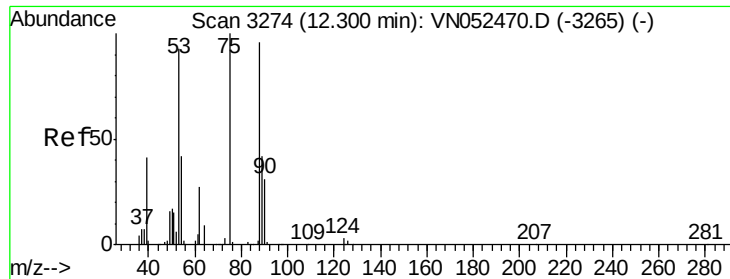
Tgt Ion:105 Resp: 1980840

Ion Ratio Lower Upper

105 100

120 48.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.057 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

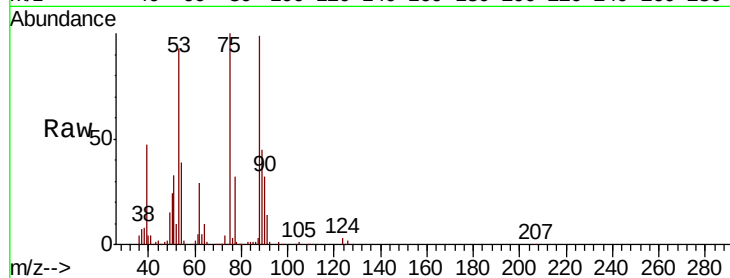
Tot Ion: 75 Resp: 154619

Ion Ratio Lower Upper

75 100

53 95.8 77.4 116.0

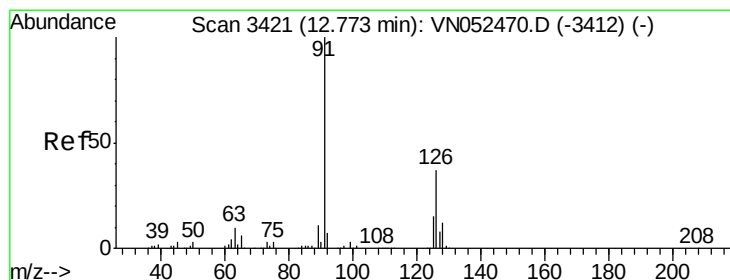
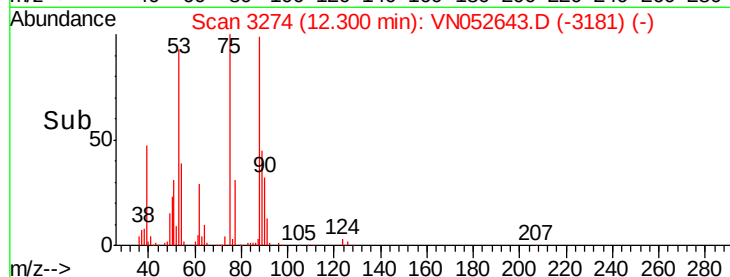
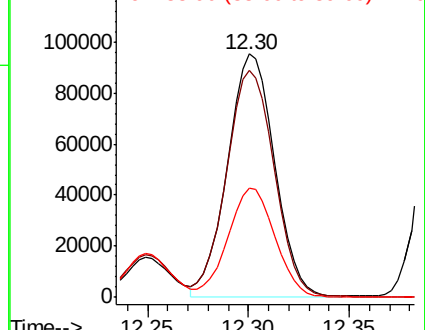
89 45.4 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.784 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052643.D

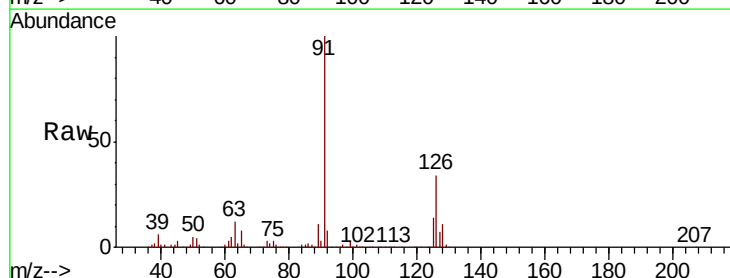
Acq: 3 Dec 2018 20:30

Tgt Ion: 91 Resp: 1646946

Ion Ratio Lower Upper

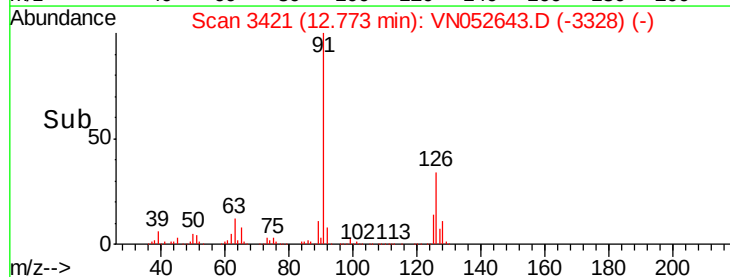
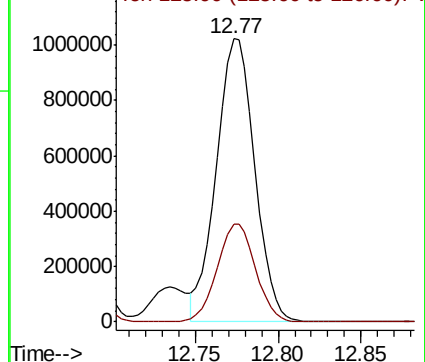
91 100

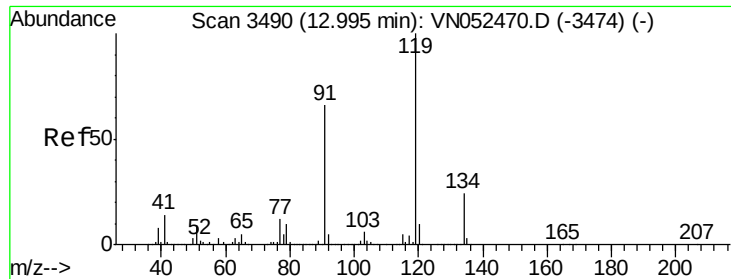
126 34.6 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

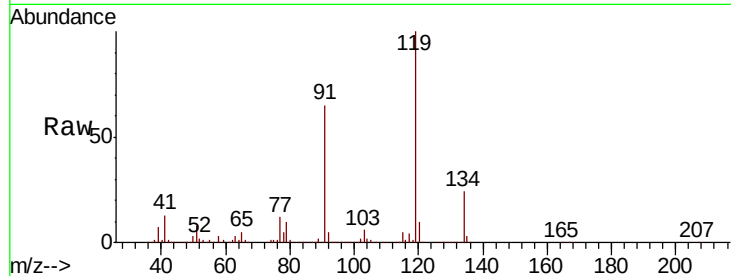




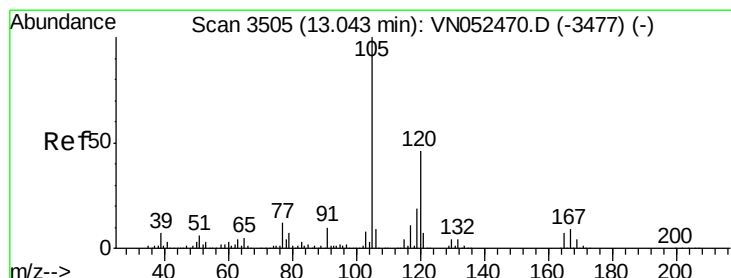
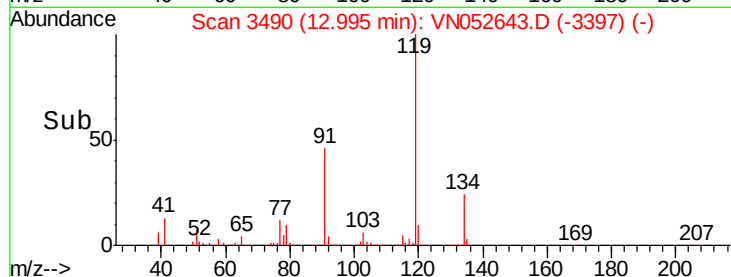
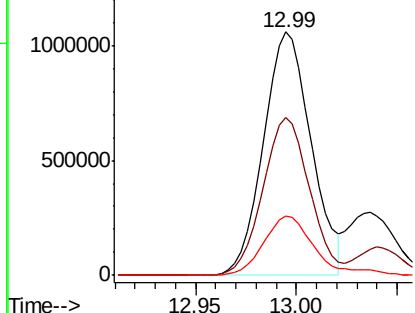
#83
 tert-Butylbenzene
 Concen: 49.498 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1742595
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.3 96.9
 134 26.1 13.0 38.9

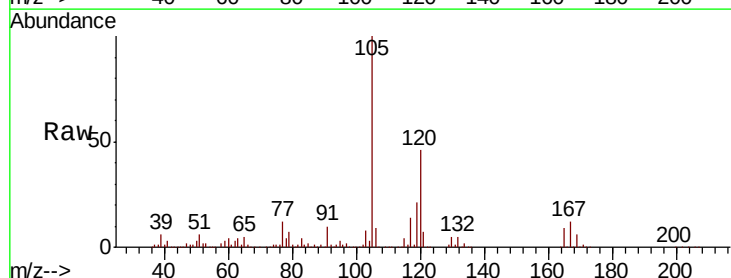


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

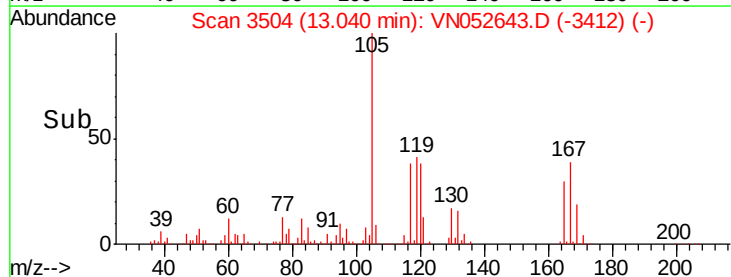
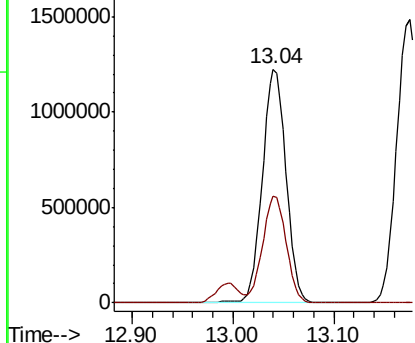


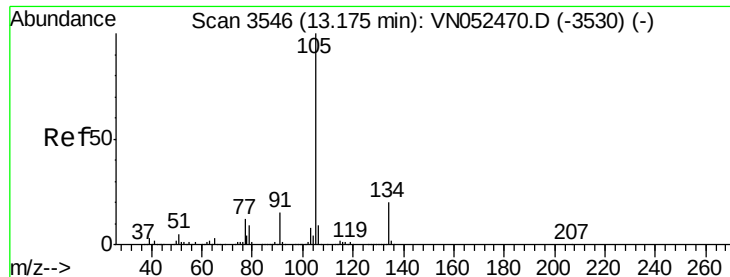
#84
 1,2,4-Trimethylbenzene
 Concen: 50.476 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion:105 Resp: 1997611
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.412 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

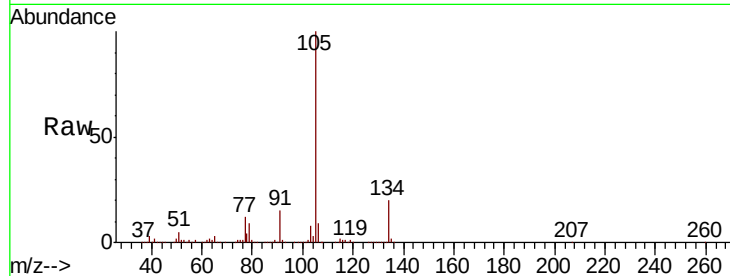
VSTDCCC050EC

Tot Ion:105 Resp: 2369310

Ion Ratio Lower Upper

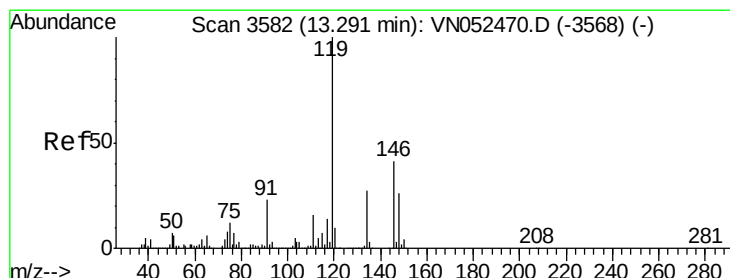
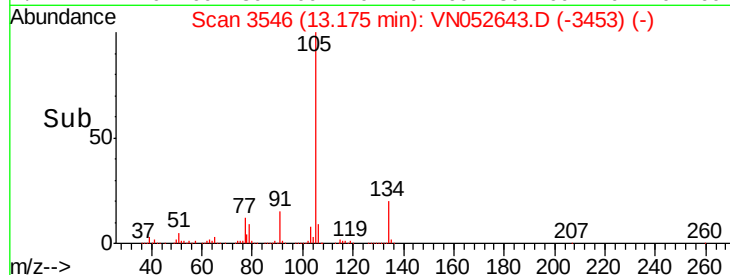
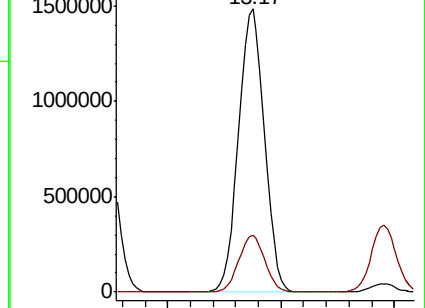
105 100

134 20.2 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.104 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

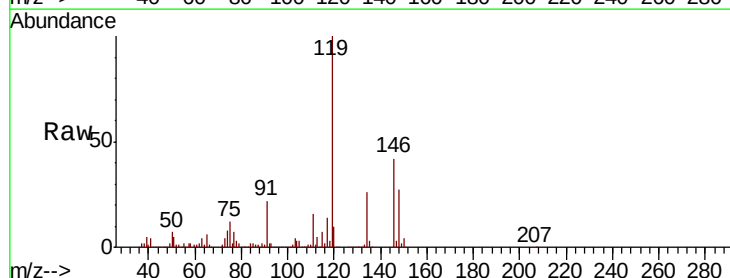
Tgt Ion:119 Resp: 2046301

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

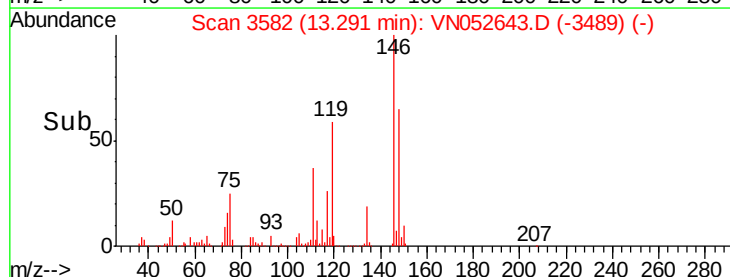
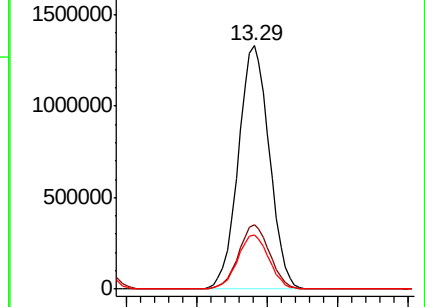
91 22.4 11.4 34.2

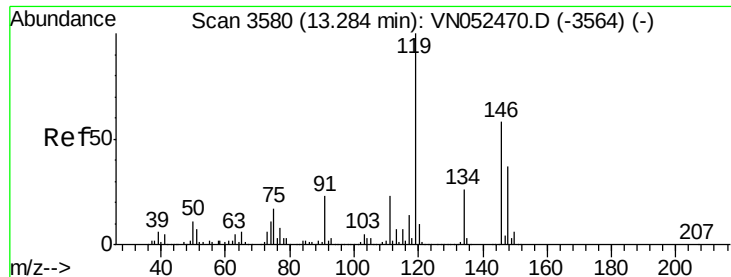


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.302 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

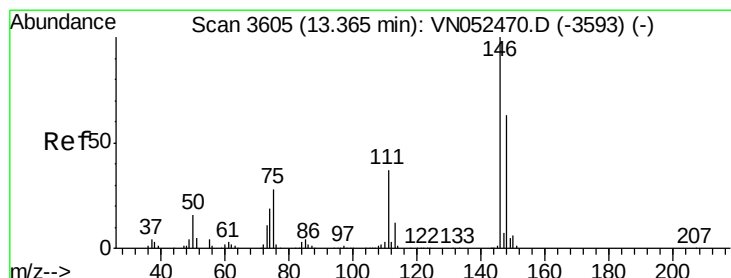
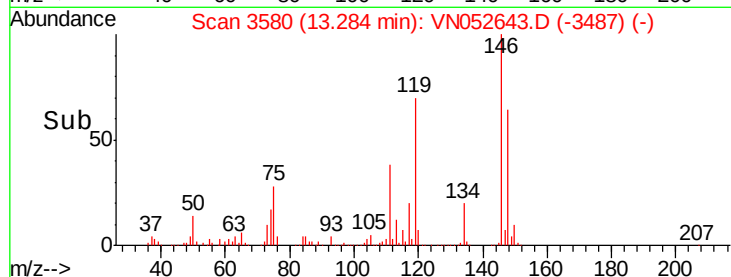
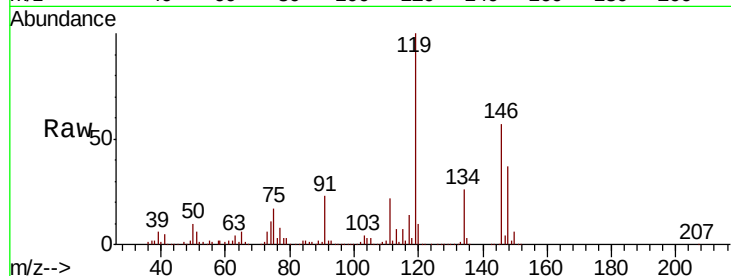
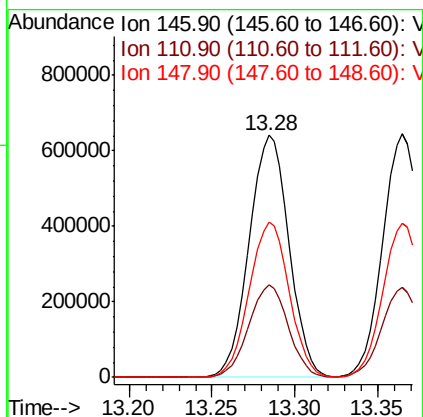
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1076862

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.4
148	64.2	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 49.869 ug/l

RT: 13.36 min Scan# 3605

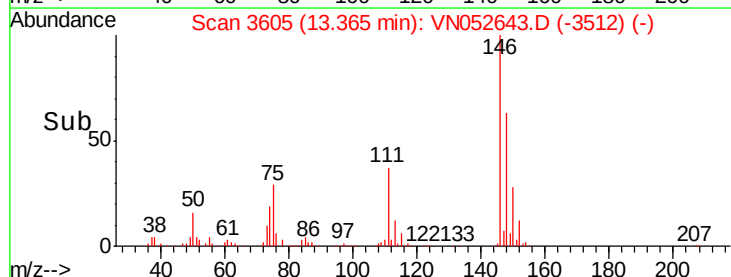
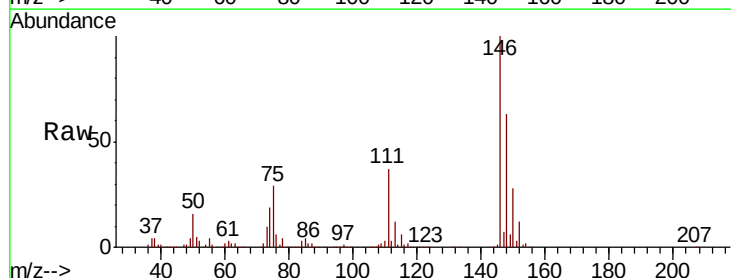
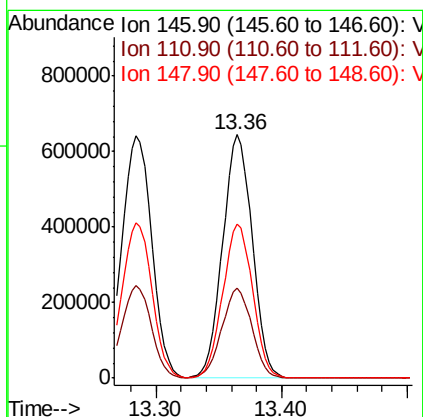
Delta R.T. -0.00 min

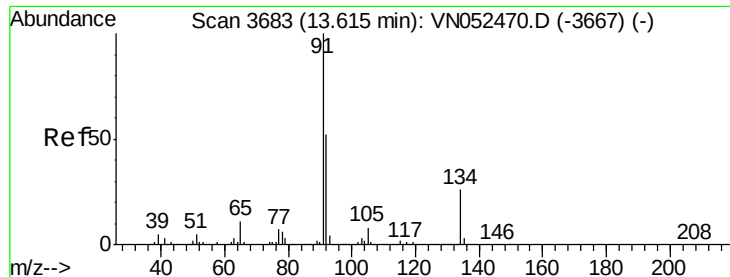
Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Tgt Ion:146 Resp: 1051581

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	56.0
148	63.8	31.9	95.9





#89

n-Butylbenzene

Concen: 50.281 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

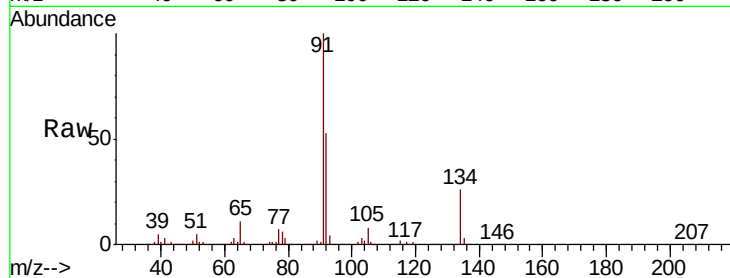
Tot Ion: 91 Resp: 1707831

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.3
134	26.1	13.0	38.9

91 100

92 52.7 26.1 78.3

134 26.1 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)

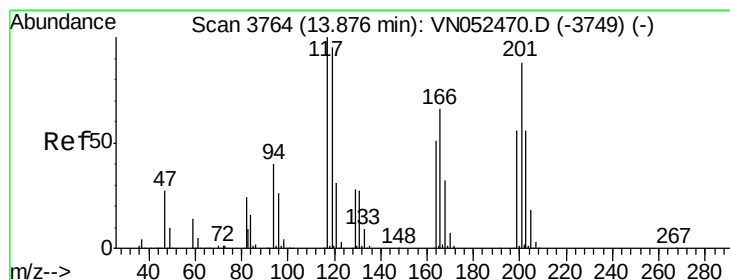
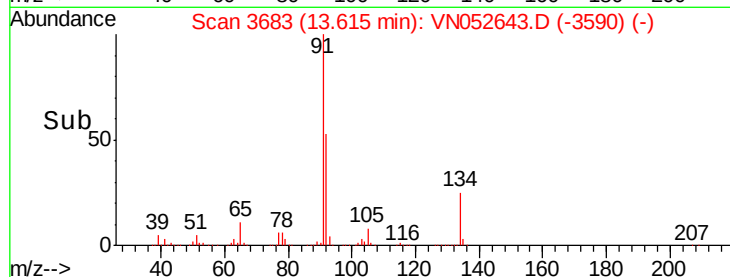
13.62

1000000

500000

0

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 49.920 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052643.D

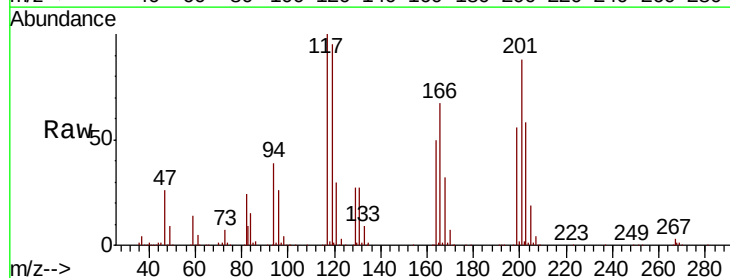
Acq: 3 Dec 2018 20:30

Tgt Ion: 117 Resp: 345207

Ion	Ratio	Lower	Upper
117	100		
201	89.0	43.6	130.9

117 100

201 89.0 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

13.88

200000

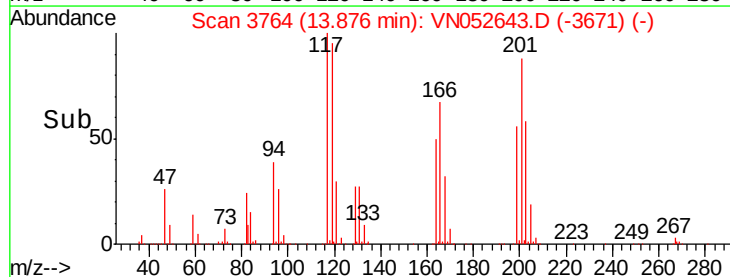
150000

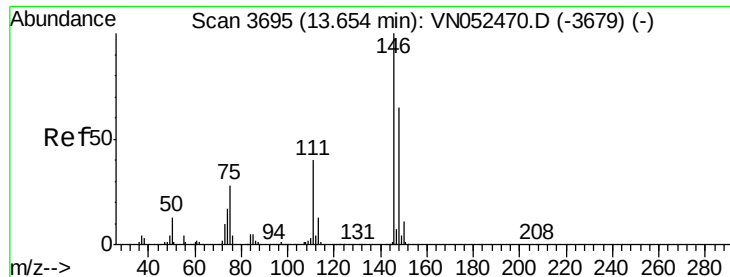
100000

50000

0

Time--> 13.80 13.85 13.90 13.95

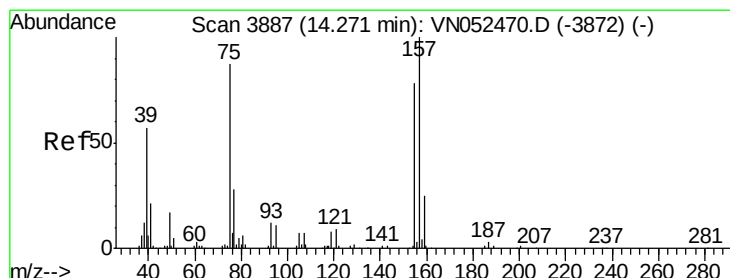
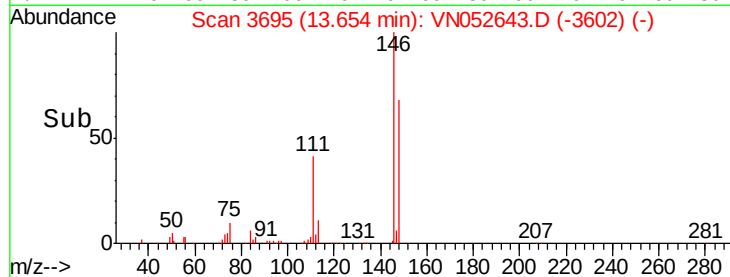
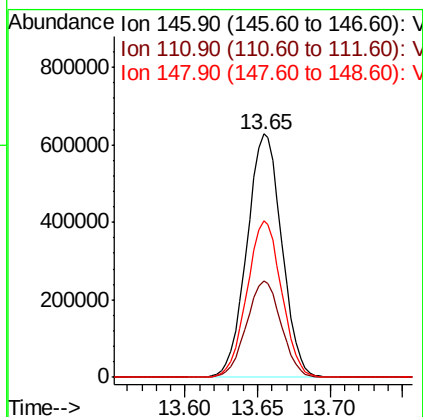
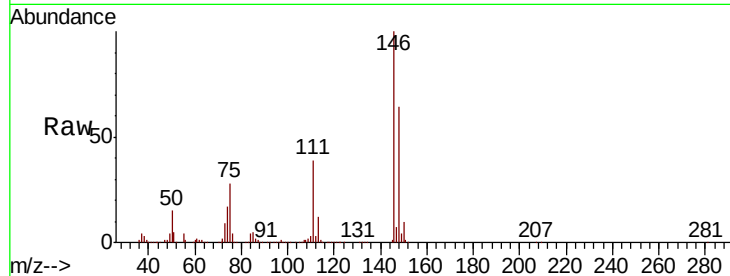




#91
 1,2-Dichlorobenzene
 Concen: 51.328 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

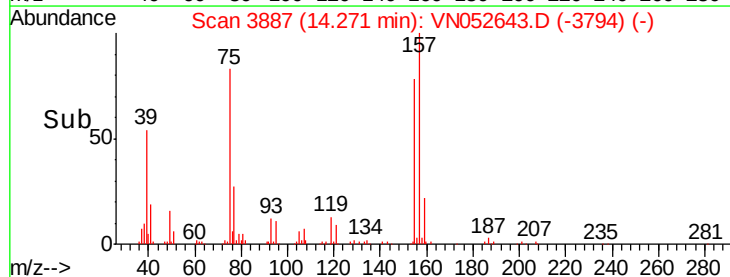
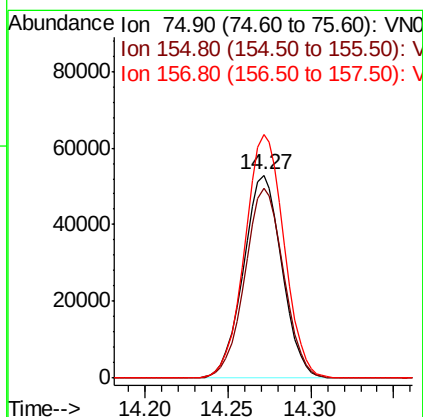
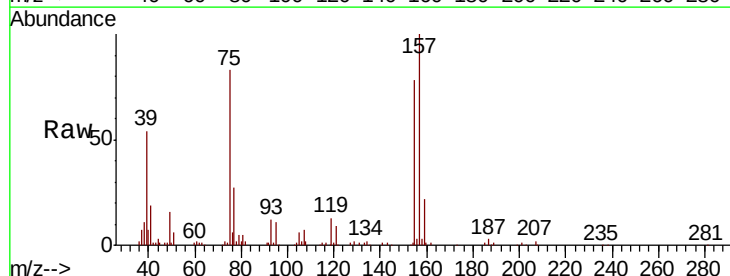
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

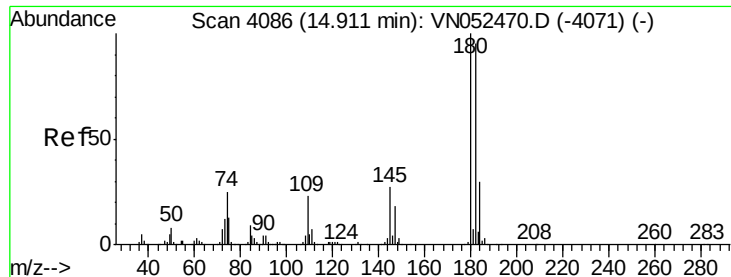
Tot Ion:146 Resp: 1049811
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 60.0
 148 64.0 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.255 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion: 75 Resp: 85790
 Ion Ratio Lower Upper
 75 100
 155 94.1 45.3 135.9
 157 121.9 58.1 174.2

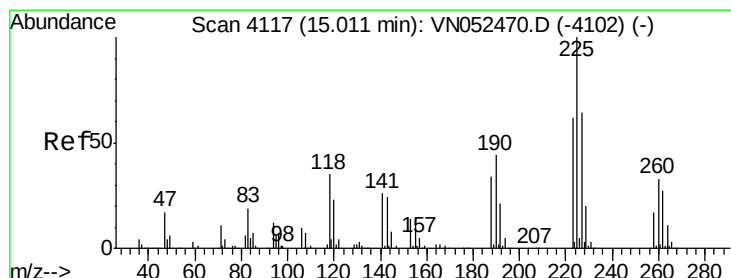
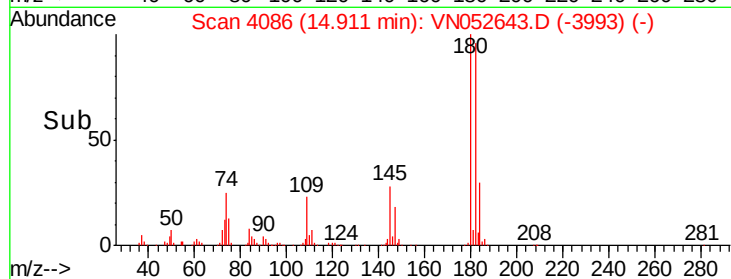
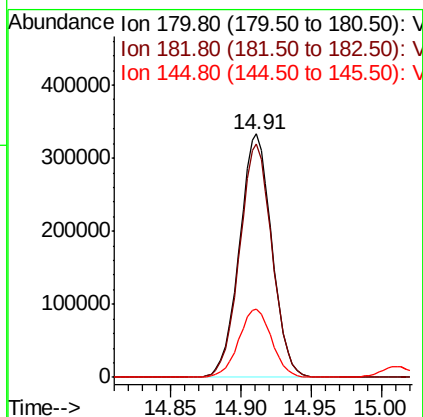
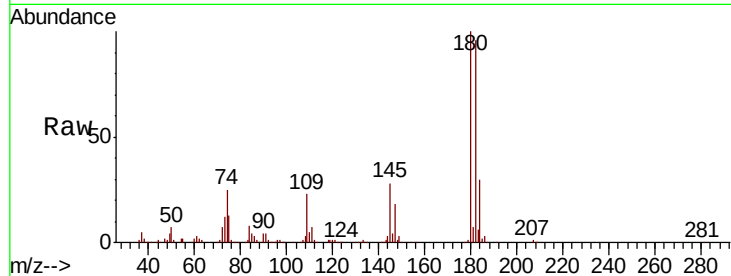




#93
 1,2,4-Trichlorobenzene
 Concen: 47.863 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

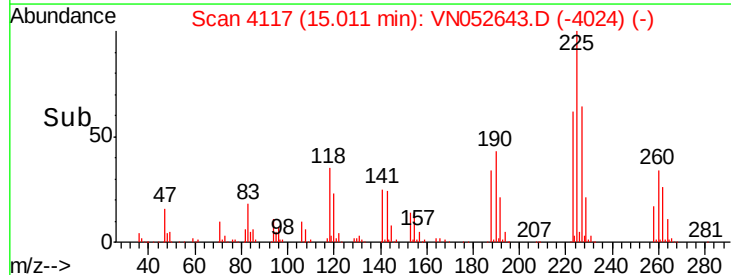
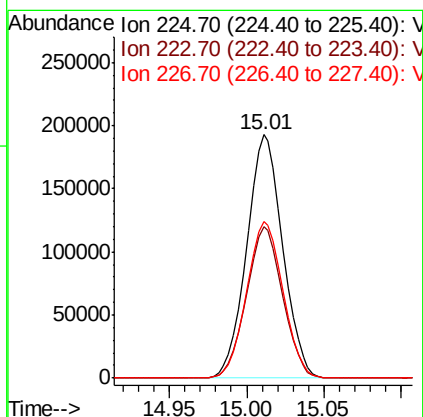
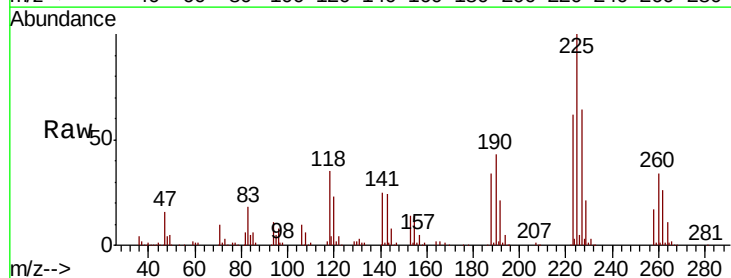
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

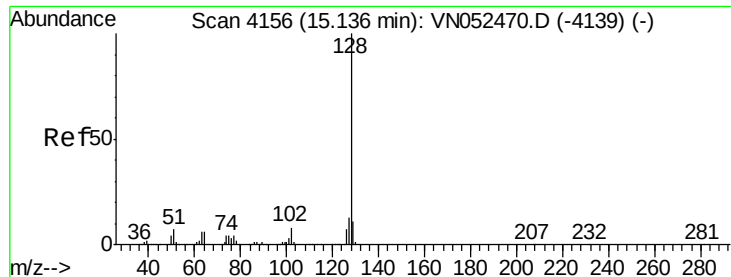
Tot Ion:180 Resp: 534838
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.8 143.4
 145 28.6 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 47.507 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion:225 Resp: 312588
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.4 94.2
 227 64.9 32.5 97.4





#95

Naphthalene

Concen: 48.734 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

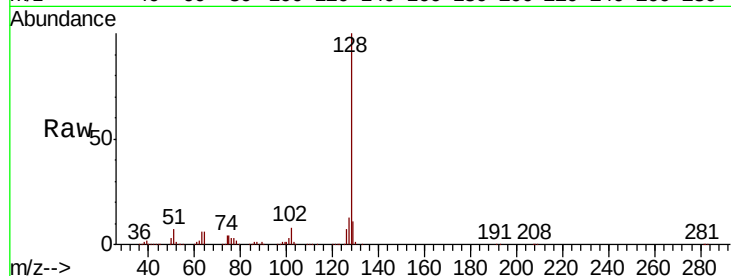
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1155750

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.7	13.1

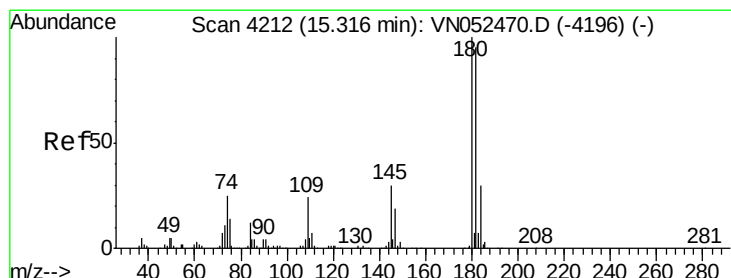
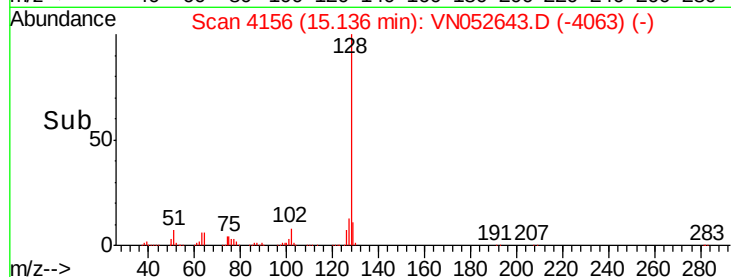
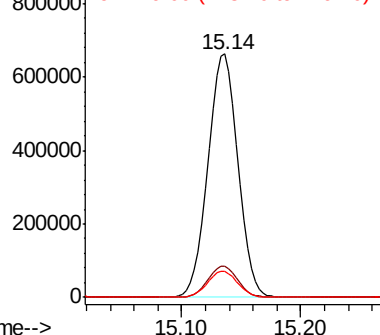


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.429 ug/l

RT: 15.32 min Scan# 4212

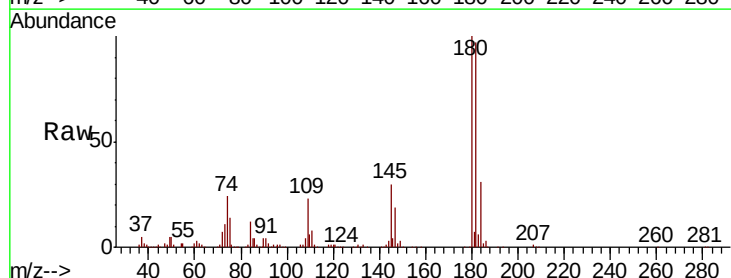
Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Tgt Ion:180 Resp: 497967

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.8	143.3
145	30.1	15.2	45.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

