

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
 Data File : VD064959.D
 Acq On : 27 Jan 2020 13:05
 Operator : VA/SY
 Sample : VD0127SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Quant Time: Jan 27 13:30:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	471273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	702968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	604943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292955	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	225430	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	7.92	113	221649	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.34	98	864426	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.64	95	265405	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	70411	19.83	ug/l 96
3) Chloromethane	2.21	50	107598	20.68	ug/l 100
4) Vinyl Chloride	2.35	62	119313	19.96	ug/l 96
5) Bromomethane	2.76	94	76427	19.01	ug/l 97
6) Chloroethane	2.92	64	75834	19.25	ug/l 97
7) Trichlorofluoromethane	3.27	101	179734	19.47	ug/l 98
8) Diethyl Ether	3.71	74	39924	19.16	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89320	20.80	ug/l 99
10) Methyl Iodide	4.29	142	78051	17.12	ug/l 98
11) Tert butyl alcohol	5.25	59	20924	83.76	ug/l 95
12) 1,1-Dichloroethene	4.06	96	83379	20.32	ug/l 96
13) Acrolein	3.92	56	28300	90.37	ug/l 95
14) Allyl chloride	4.70	41	131764	20.14	ug/l 98
15) Acrylonitrile	5.43	53	84287	93.41	ug/l 100
16) Acetone	4.17	43	89553	83.87	ug/l 97
17) Carbon Disulfide	4.40	76	273546	20.26	ug/l 99
18) Methyl Acetate	4.73	43	40548	19.15	ug/l 97
19) Methyl tert-butyl Ether	5.48	73	171261	18.68	ug/l 95
20) Methylene Chloride	4.96	84	102186	19.32	ug/l 96
21) trans-1,2-Dichloroethene	5.47	96	95522	20.21	ug/l 89
22) Diisopropyl ether	6.37	45	255984	19.63	ug/l 97
23) Vinyl Acetate	6.31	43	700196	91.72	ug/l 98
24) 1,1-Dichloroethane	6.26	63	161574	20.18	ug/l 98
25) 2-Butanone	7.22	43	108327	88.70	ug/l 97
26) 2,2-Dichloropropane	7.21	77	148451	20.44	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	97912	19.41	ug/l 98
28) Bromochloromethane	7.55	49	54760	17.10	ug/l 99
29) Tetrahydrofuran	7.57	42	66422	88.15	ug/l 99
30) Chloroform	7.71	83	167151	20.20	ug/l 96
31) Cyclohexane	7.98	56	155197	19.71	ug/l 95
32) 1,1,1-Trichloroethane	7.90	97	153908	19.99	ug/l 99
36) 1,1-Dichloropropene	8.11	75	133585	19.71	ug/l 99
37) Ethyl Acetate	7.30	43	47805	17.07	ug/l 99
38) Carbon Tetrachloride	8.10	117	139497	19.47	ug/l 99

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 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Quant Time: Jan 27 13:30:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157659	19.89	ug/l	96
40) Benzene	8.35	78	363238	19.46	ug/l	99
41) Methacrylonitrile	7.53	41	28025	18.58	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	103700	18.65	ug/l	96
43) Isopropyl Acetate	8.46	43	94291	17.73	ug/l	98
44) Trichloroethene	9.11	130	102085	19.54	ug/l	90
45) 1,2-Dichloropropane	9.39	63	88308	19.51	ug/l	100
46) Dibromomethane	9.48	93	45181	18.29	ug/l	100
47) Bromodichloromethane	9.67	83	124721	19.40	ug/l	99
48) Methyl methacrylate	9.46	41	44270	18.09	ug/l	99
49) 1,4-Dioxane	9.47	88	10248	357.61	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	234513	88.12	ug/l	99
52) Toluene	10.41	92	229652	19.08	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	115255	18.82	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	139362	19.44	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	61882	18.59	ug/l	96
56) Ethyl methacrylate	10.67	69	70032	17.60	ug/l	98
57) 1,3-Dichloropropane	10.95	76	107170	18.77	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	129059	97.60	ug/l	99
59) 2-Hexanone	10.99	43	159603	86.95	ug/l	97
60) Dibromochloromethane	11.14	129	83155	18.69	ug/l	97
61) 1,2-Dibromoethane	11.25	107	60283	18.81	ug/l	98
64) Tetrachloroethene	10.88	164	88290	20.20	ug/l	93
65) Chlorobenzene	11.67	112	248047	20.19	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	89128	19.29	ug/l	98
67) Ethyl Benzene	11.75	91	438274	20.10	ug/l	99
68) m/p-Xylenes	11.86	106	332911	39.65	ug/l	98
69) o-Xylene	12.18	106	150524	20.20	ug/l	96
70) Styrene	12.20	104	262993	19.81	ug/l	99
71) Bromoform	12.37	173	49056	19.10	ug/l #	99
73) Isopropylbenzene	12.48	105	409257	20.44	ug/l	100
74) N-amyl acetate	12.30	43	80827	18.04	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	65529	19.47	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	88133	36.25	ug/l #	100
77) Bromobenzene	12.77	156	99151	20.24	ug/l	96
78) n-propylbenzene	12.83	91	488637	20.52	ug/l	100
79) 2-Chlorotoluene	12.91	91	264728	20.27	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	341816	20.83	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	20445	17.95	ug/l	95
82) 4-Chlorotoluene	13.01	91	285482	20.61	ug/l	98
83) tert-Butylbenzene	13.23	119	282183	20.26	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	340079	20.46	ug/l	99
85) sec-Butylbenzene	13.41	105	398379	20.21	ug/l	100
86) p-Isopropyltoluene	13.53	119	382412	20.73	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	188090	20.01	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	188118	20.16	ug/l	99
89) n-Butylbenzene	13.86	91	348692	20.71	ug/l	100
90) Hexachloroethane	14.12	117	73608	20.69	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	162259	20.33	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10331	19.18	ug/l	97

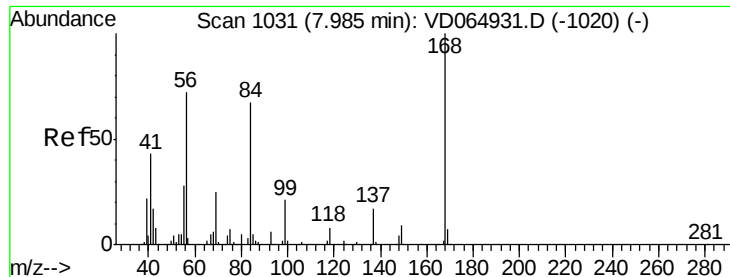
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
Data File : VD064959.D
Acq On : 27 Jan 2020 13:05
Operator : VA/SY
Sample : VD0127SBS01
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MSVOA_D
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Quant Time: Jan 27 13:30:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	107637	19.50	ug/l	100
94) Hexachlorobutadiene	15.28	225	71967	20.61	ug/l	97
95) Naphthalene	15.41	128	162464	18.23	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	91892	19.20	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

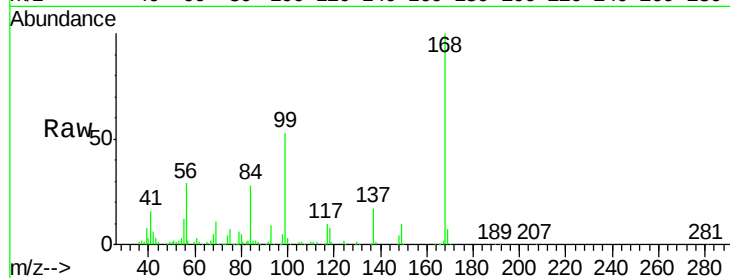
VD0127SBS01

Tgt Ion:168 Resp: 471273

Ion Ratio Lower Upper

168 100

99 52.7 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

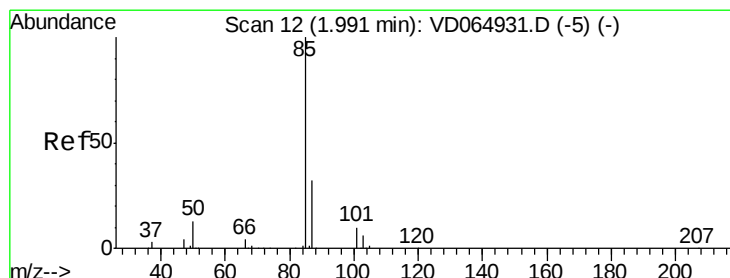
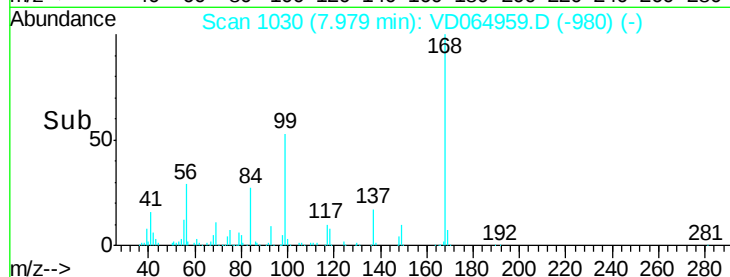
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.83 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064959.D

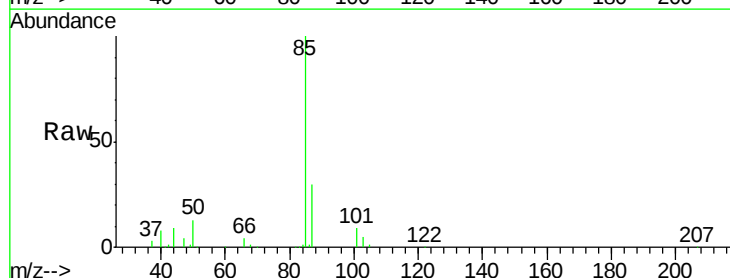
Acq: 27 Jan 2020 13:05

Tgt Ion: 85 Resp: 70411

Ion Ratio Lower Upper

85 100

87 29.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

20000

10000

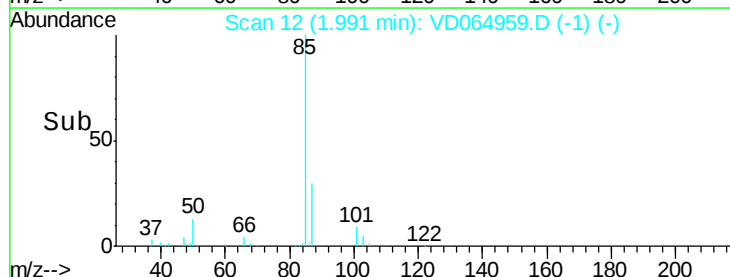
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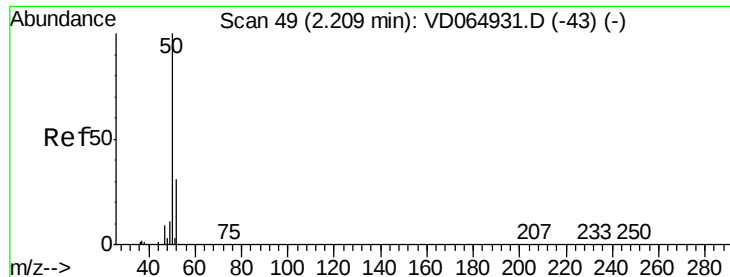
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 20.68 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

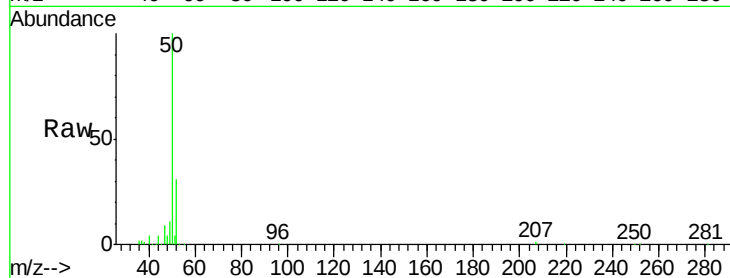
VD0127SBS01

Tgt Ion: 50 Resp: 107598

Ion Ratio Lower Upper

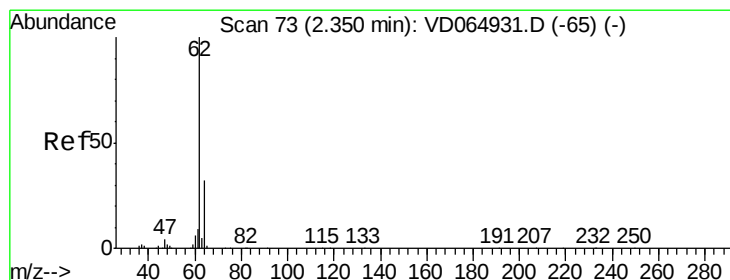
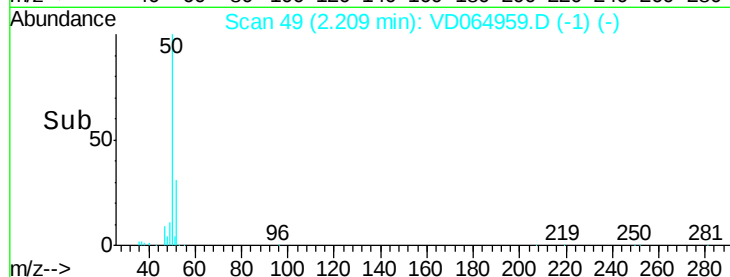
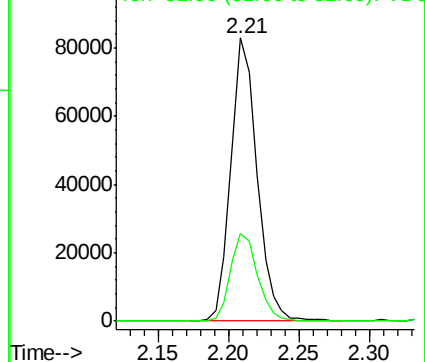
50 100

52 30.7 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.96 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064959.D

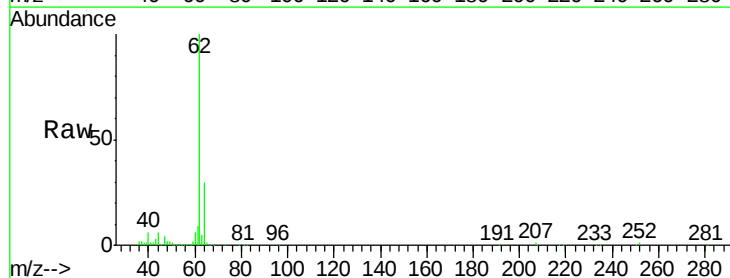
Acq: 27 Jan 2020 13:05

Tgt Ion: 62 Resp: 119313

Ion Ratio Lower Upper

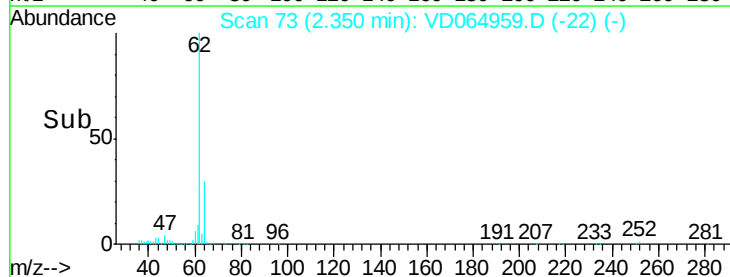
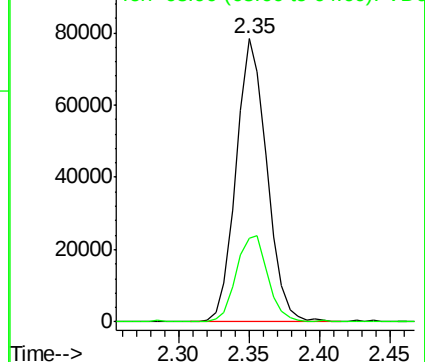
62 100

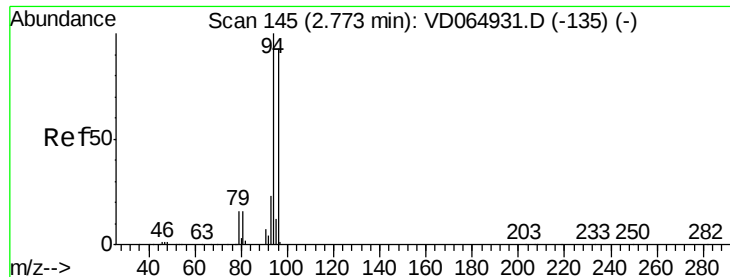
64 29.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.01 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

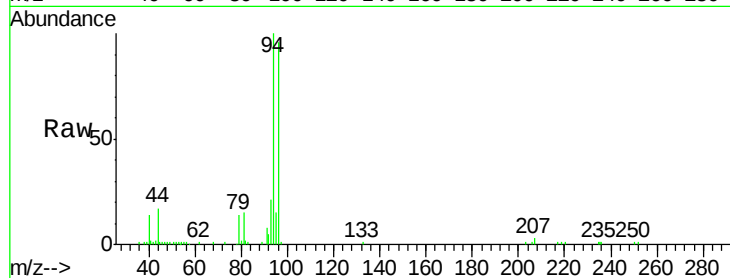
VD0127SBS01

Tgt Ion: 94 Resp: 76427

Ion Ratio Lower Upper

94 100

96 96.0 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

30000

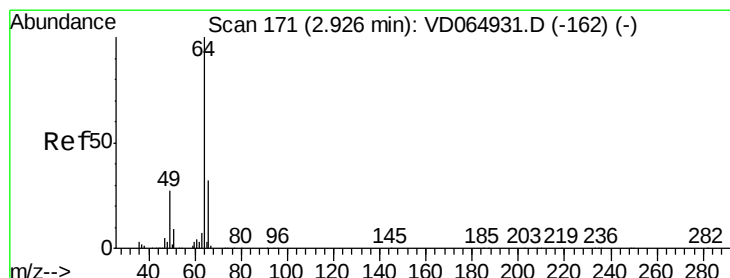
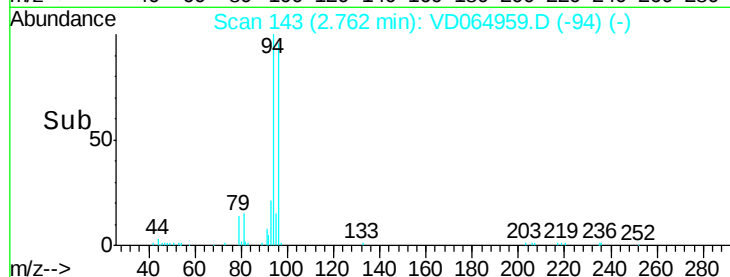
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 19.25 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064959.D

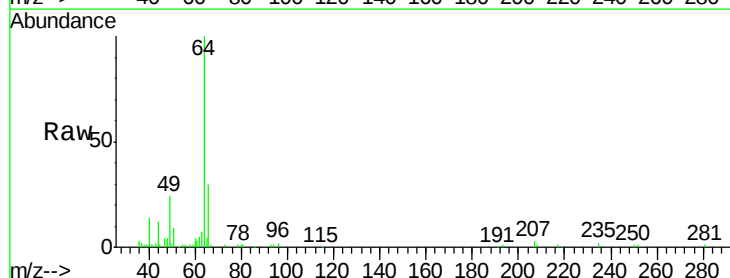
Acq: 27 Jan 2020 13:05

Tgt Ion: 64 Resp: 75834

Ion Ratio Lower Upper

64 100

66 29.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

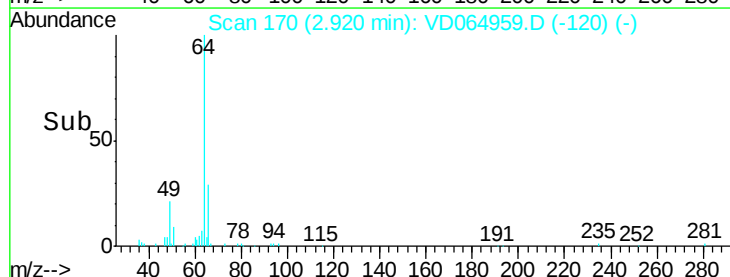
20000

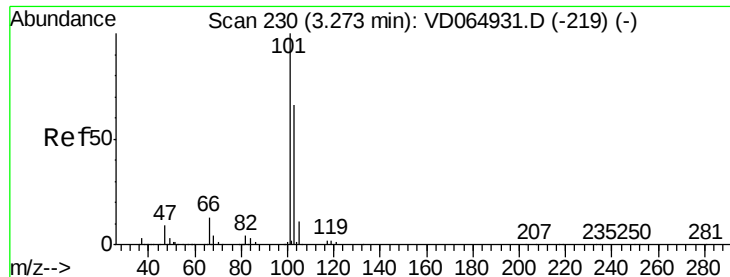
10000

0

Time-->

2.85 2.90 2.95 3.00





#7

Trichlorofluoromethane

Concen: 19.47 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

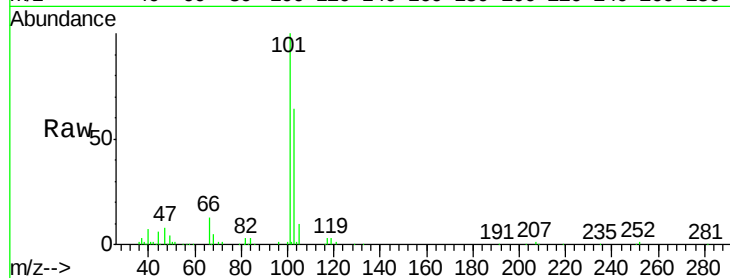
VD0127SBS01

Tgt Ion:101 Resp: 179734

Ion Ratio Lower Upper

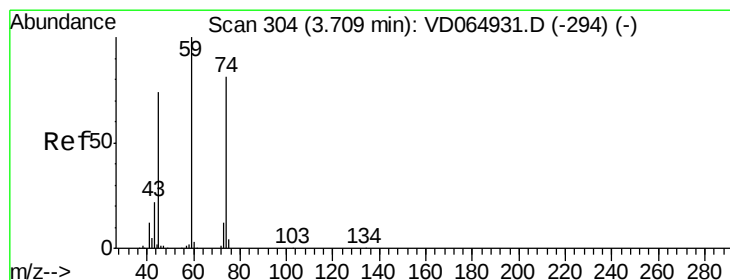
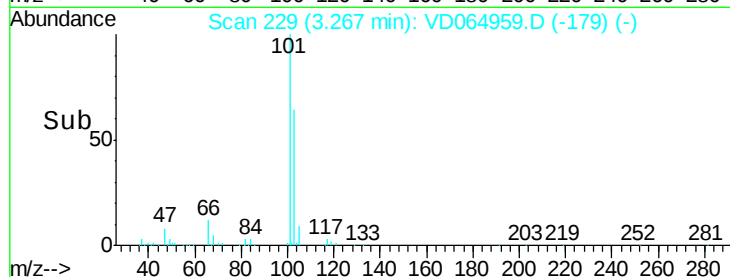
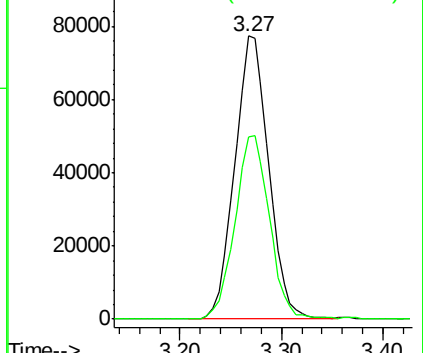
101 100

103 64.2 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.16 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD064959.D

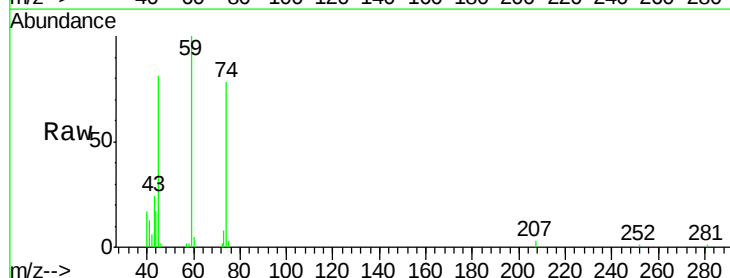
Acq: 27 Jan 2020 13:05

Tgt Ion: 74 Resp: 39924

Ion Ratio Lower Upper

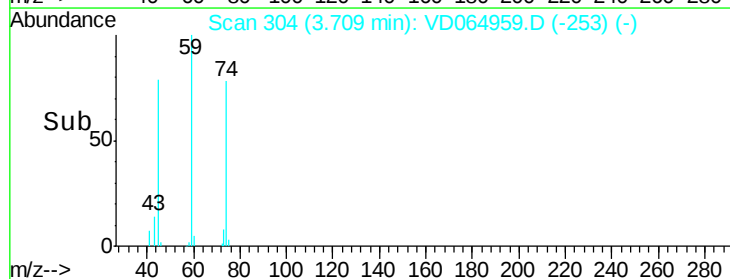
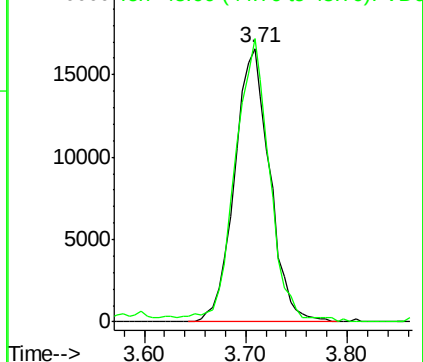
74 100

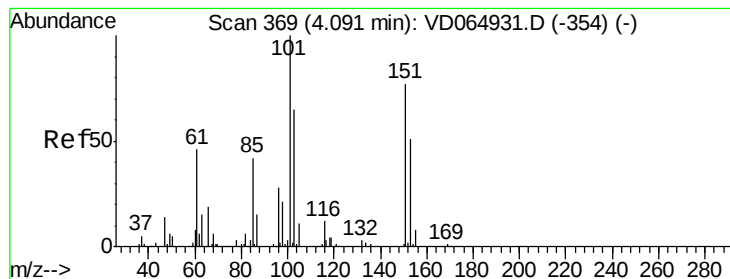
45 96.3 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.80 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

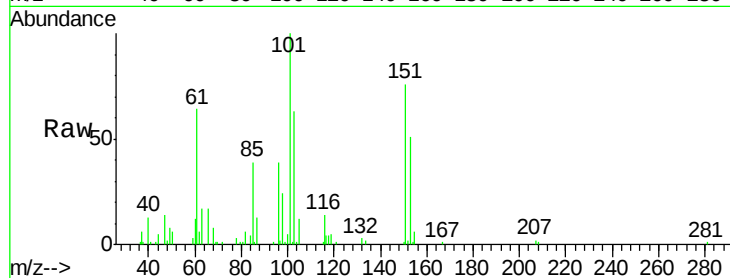
Tgt Ion:101 Resp: 89320

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.4

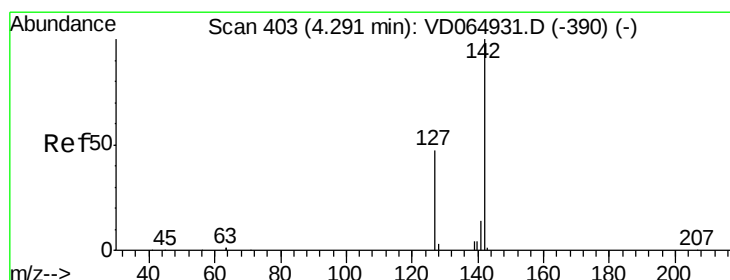
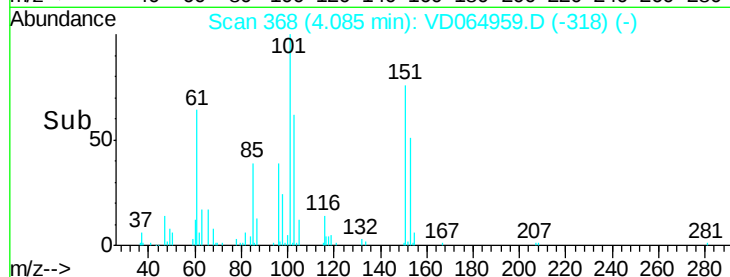
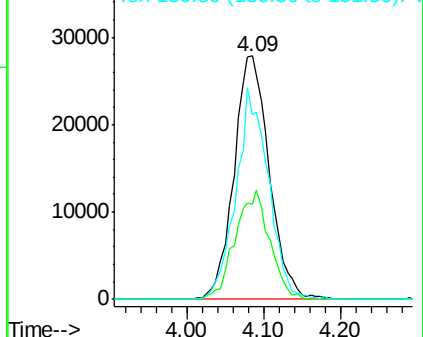
151 79.6 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.12 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

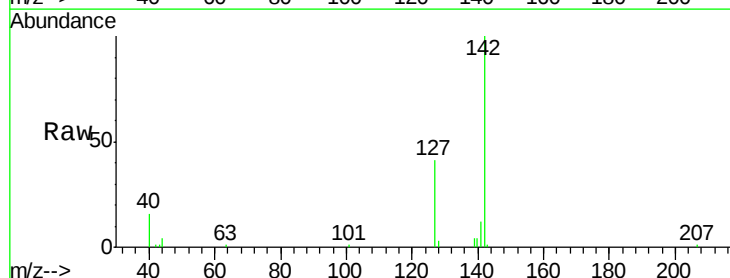
Tgt Ion:142 Resp: 78051

Ion Ratio Lower Upper

142 100

127 46.9 36.2 54.2

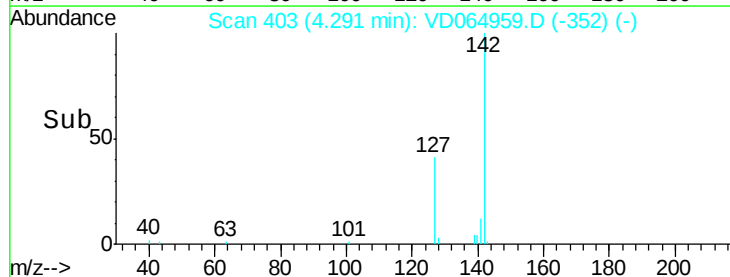
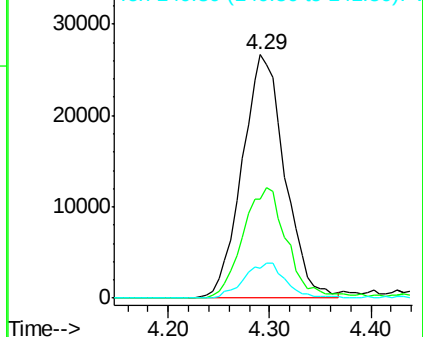
141 14.1 11.6 17.4

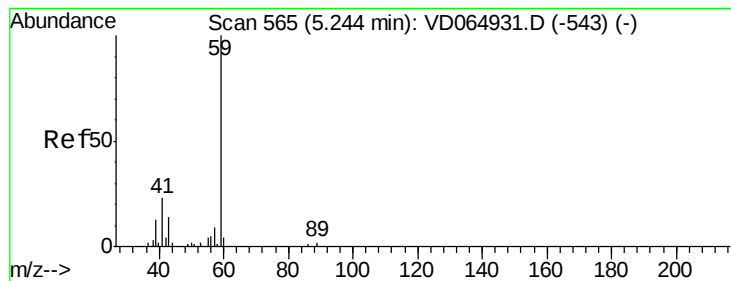


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 83.76 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

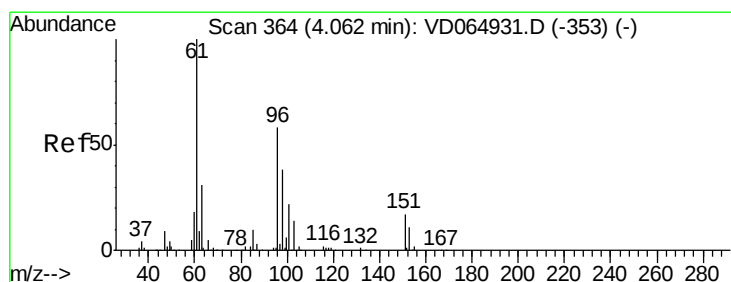
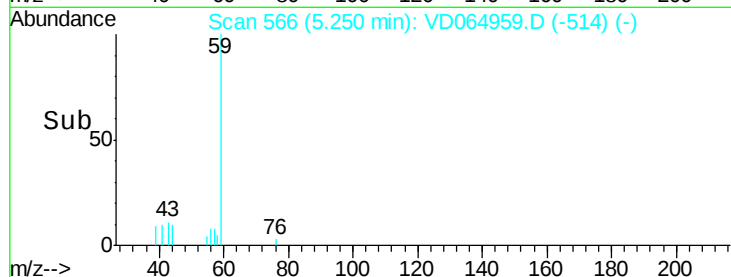
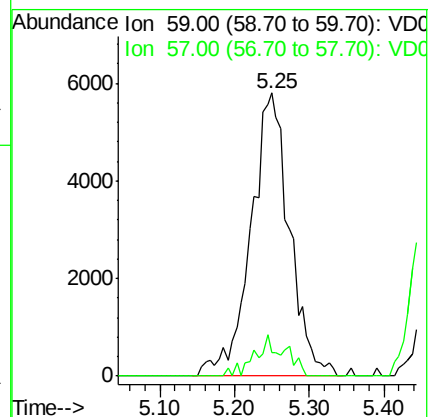
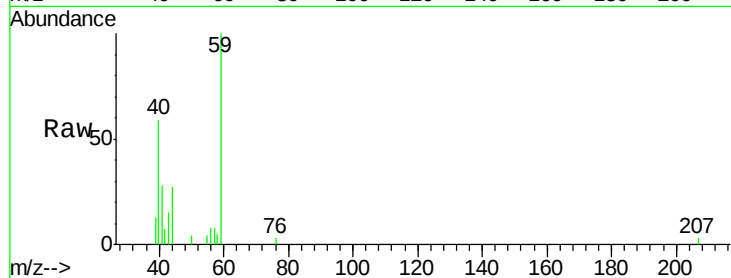
VD0127SBS01

Tgt Ion: 59 Resp: 20924

Ion Ratio Lower Upper

59 100

57 7.9 7.7 11.5



#12

1,1-Dichloroethene

Concen: 20.32 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

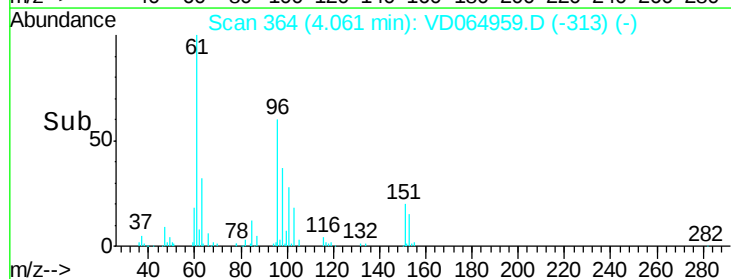
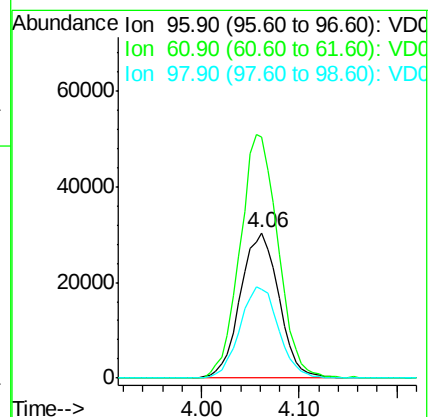
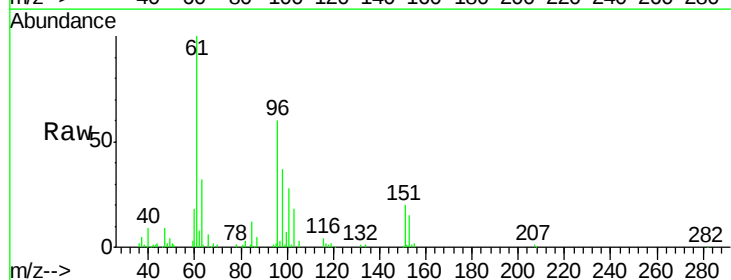
Tgt Ion: 96 Resp: 83379

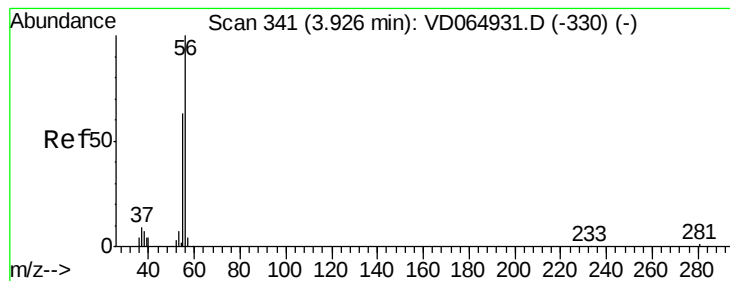
Ion Ratio Lower Upper

96 100

61 166.1 137.0 205.4

98 60.7 52.1 78.1





#13

Acrolein

Concen: 90.37 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

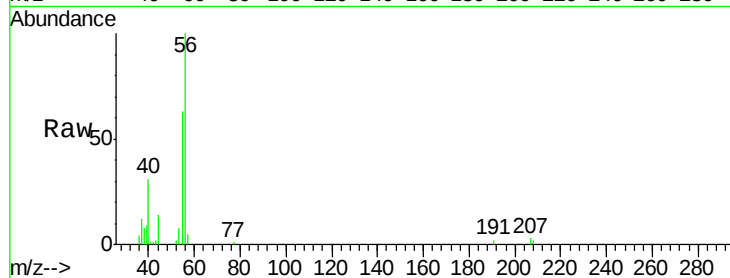
VD0127SBS01

Tgt Ion: 56 Resp: 28300

Ion Ratio Lower Upper

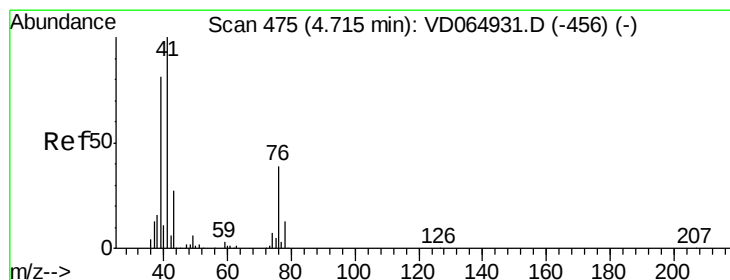
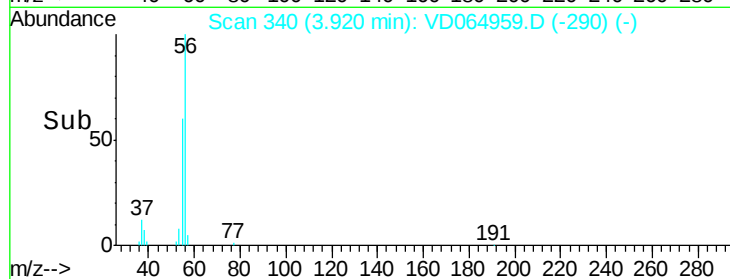
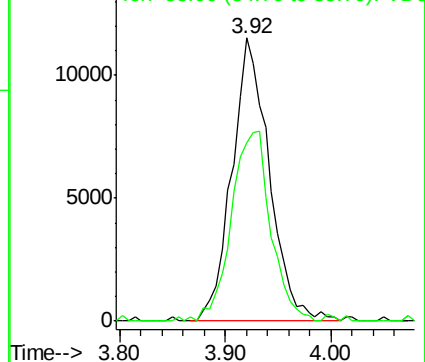
56 100

55 70.1 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.14 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

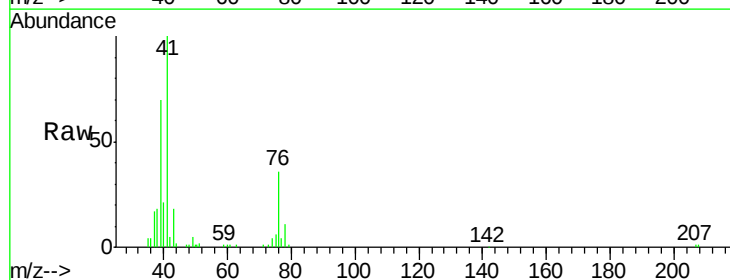
Tgt Ion: 41 Resp: 131764

Ion Ratio Lower Upper

41 100

39 75.8 62.0 93.0

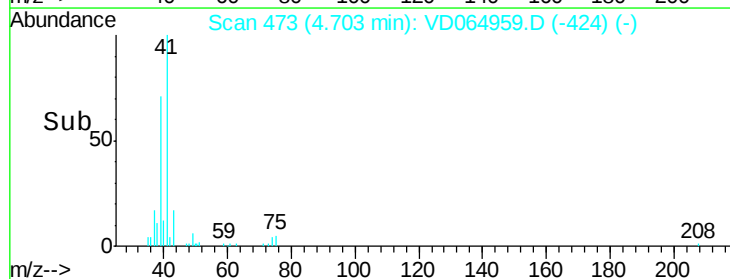
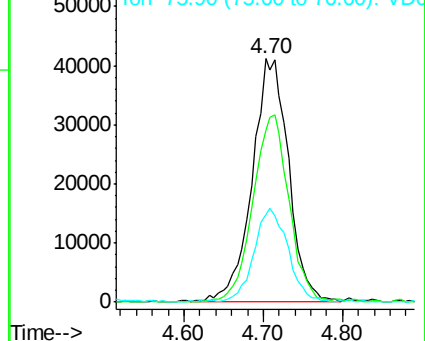
76 35.8 29.3 43.9

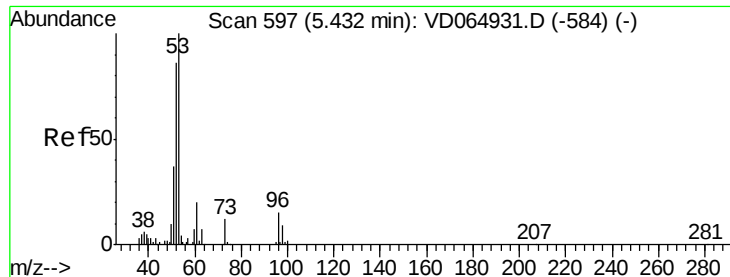


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 93.41 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

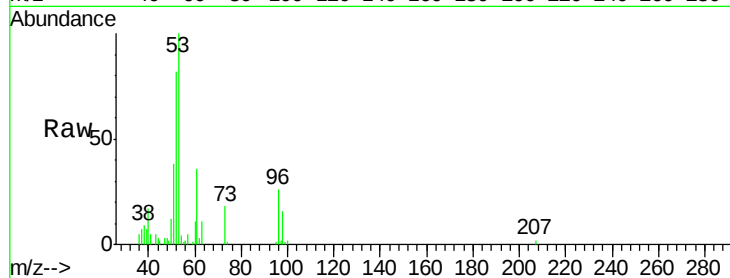
Tgt Ion: 53 Resp: 84287

Ion Ratio Lower Upper

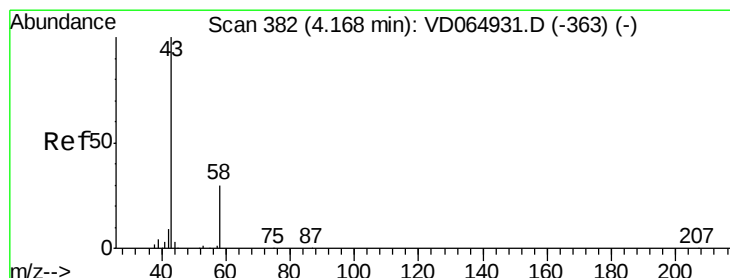
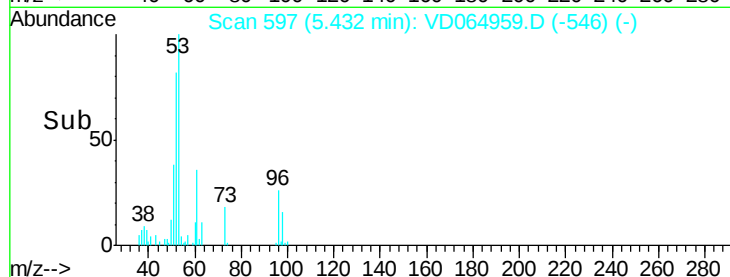
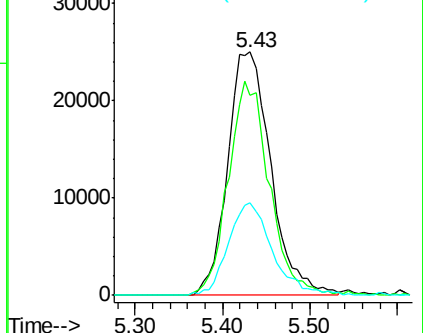
53 100

52 83.2 66.7 100.1

51 38.6 31.1 46.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 83.87 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064959.D

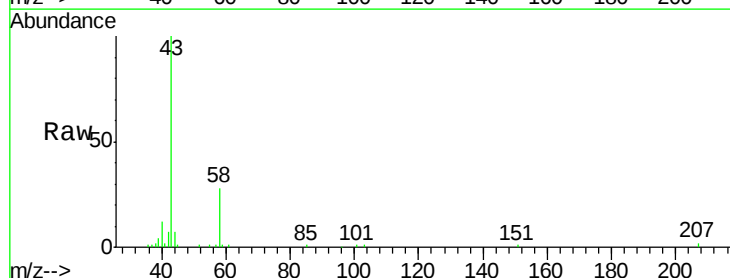
Acq: 27 Jan 2020 13:05

Tgt Ion: 43 Resp: 89553

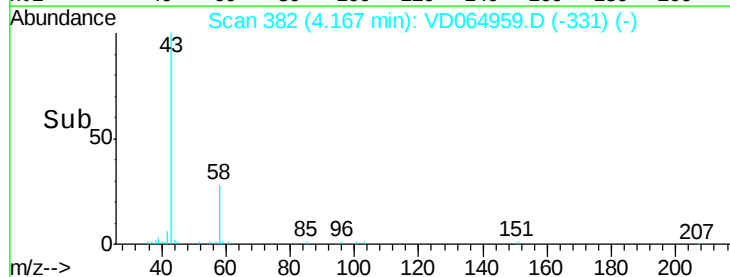
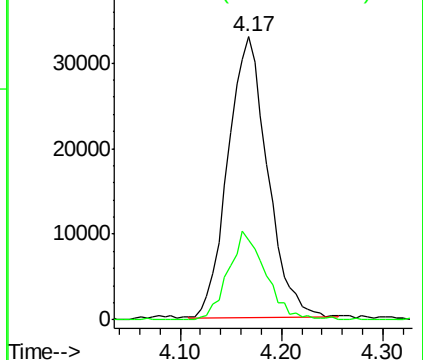
Ion Ratio Lower Upper

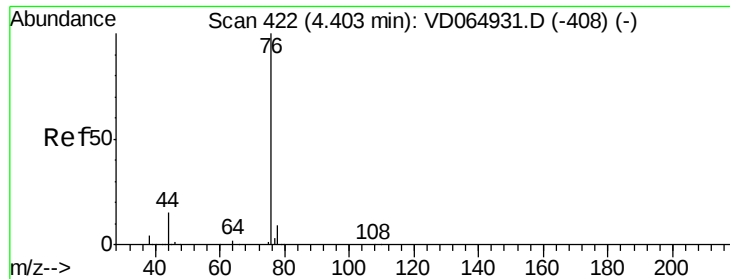
43 100

58 28.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

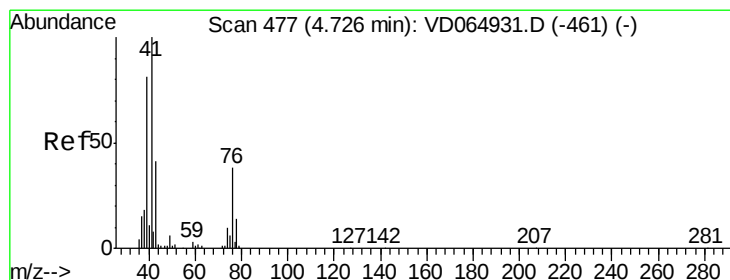
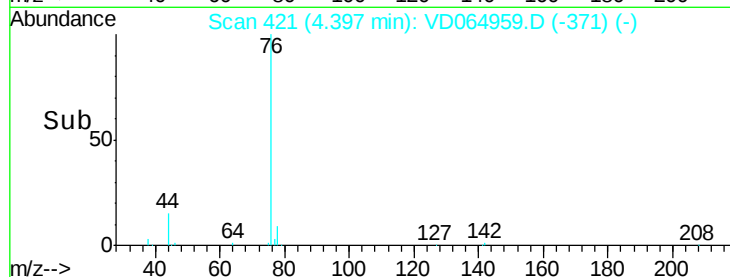
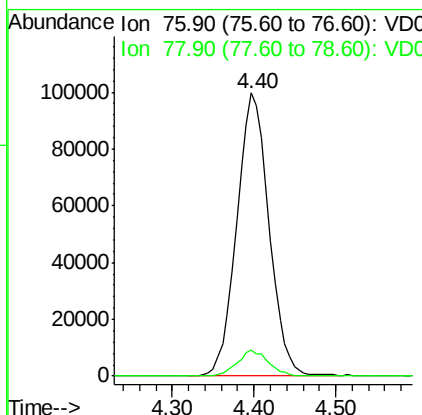
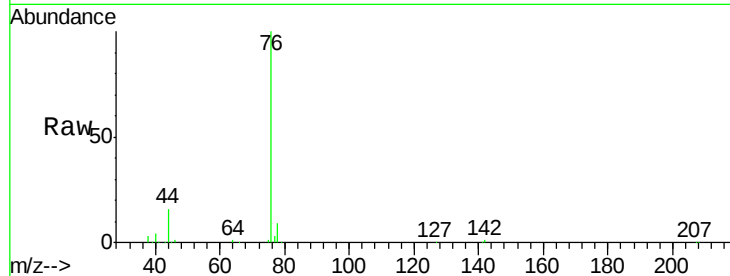




#17
Carbon Disulfide
Concen: 20.26 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

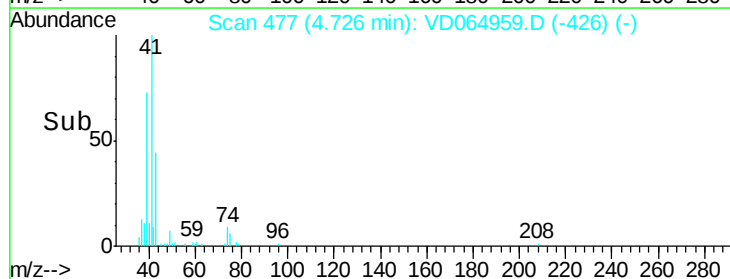
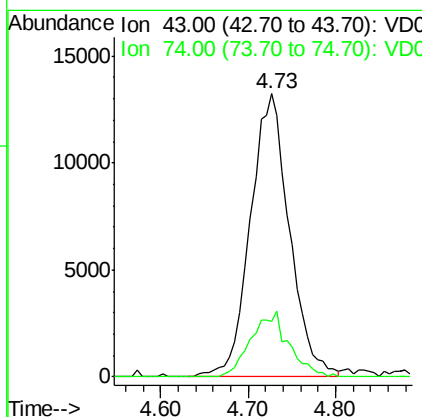
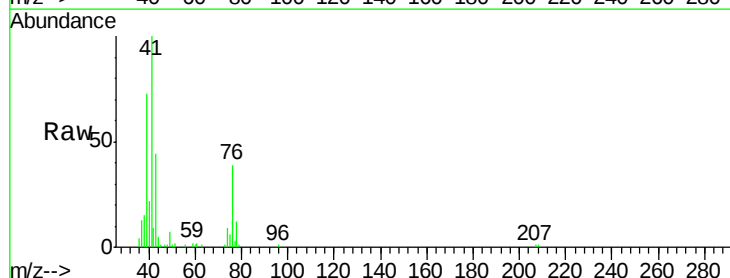
Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

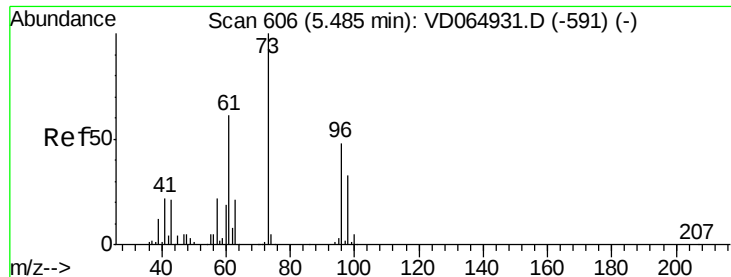
Tgt Ion: 76 Resp: 273546
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 19.15 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion: 43 Resp: 40548
Ion Ratio Lower Upper
43 100
74 22.3 19.1 28.7

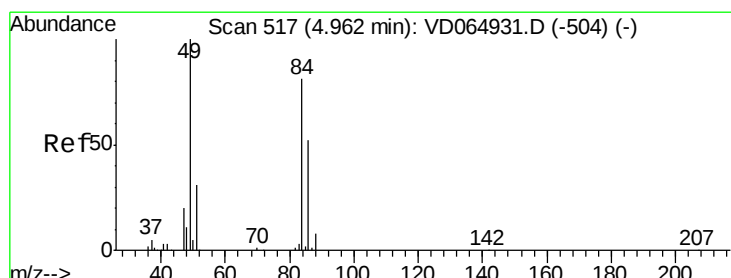
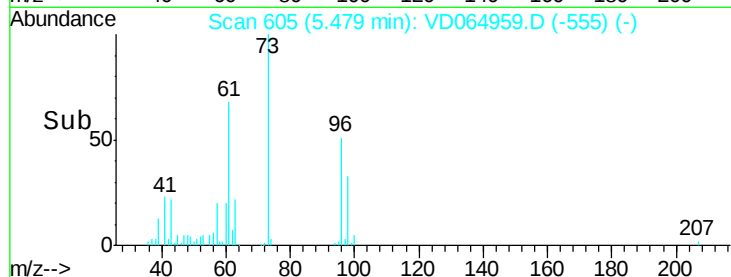
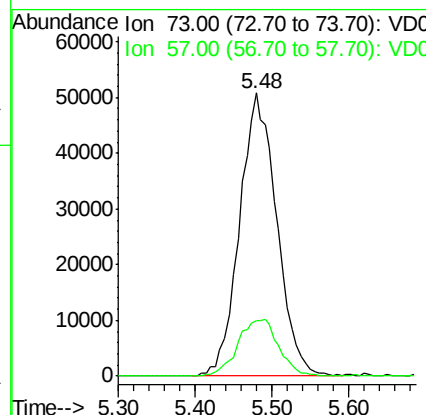
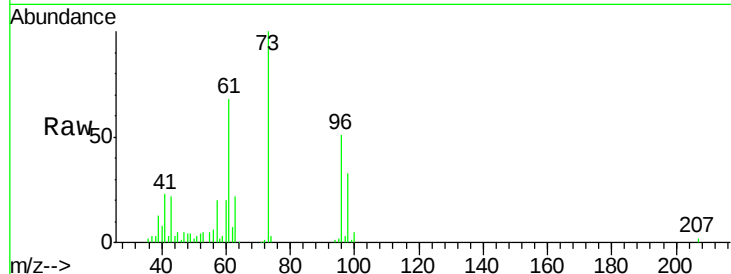




#19
Methyl tert-butyl Ether
Concen: 18.68 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

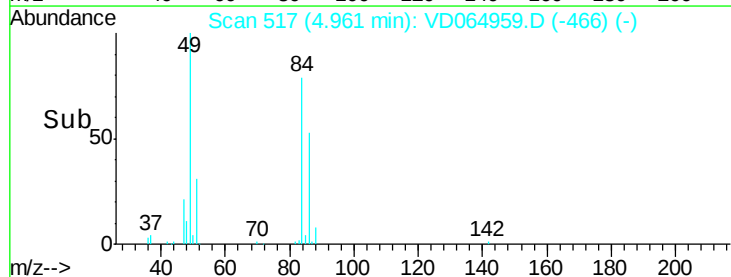
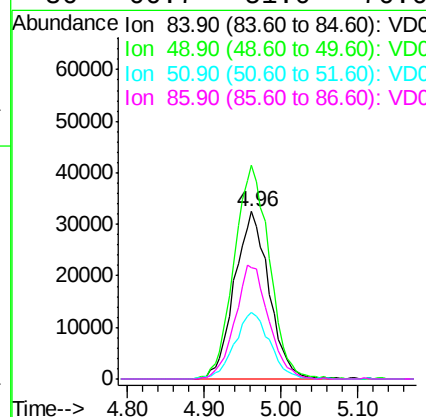
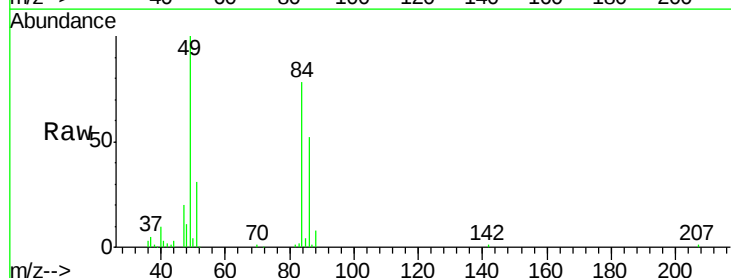
Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

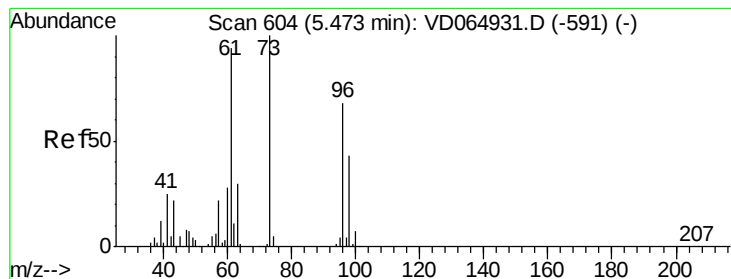
Tgt Ion: 73 Resp: 171261
Ion Ratio Lower Upper
73 100
57 19.8 17.9 26.9



#20
Methylene Chloride
Concen: 19.32 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion: 84 Resp: 102186
Ion Ratio Lower Upper
84 100
49 127.6 98.4 147.6
51 39.6 30.8 46.2
86 66.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.21 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

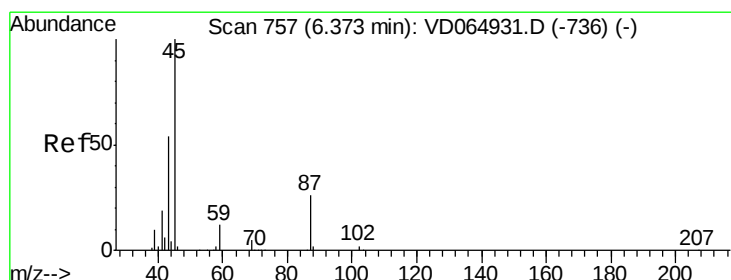
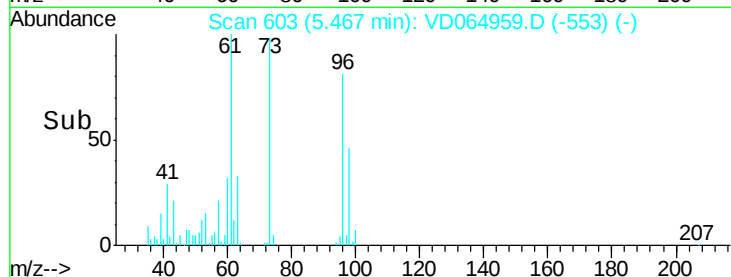
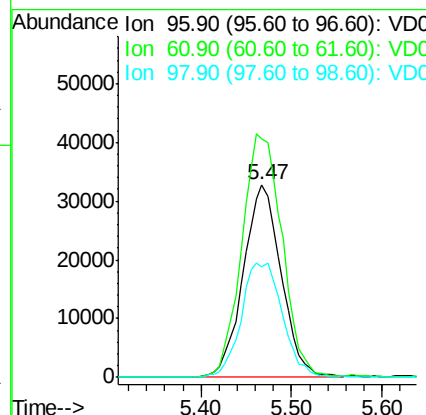
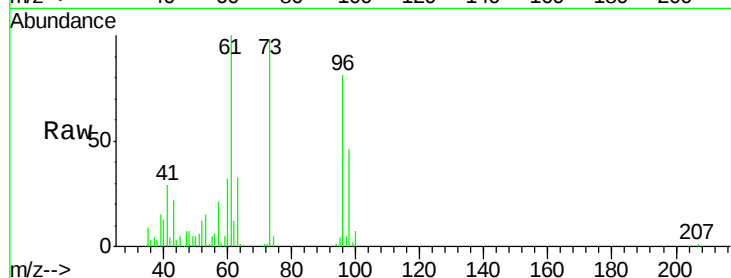
Tgt Ion: 96 Resp: 95522

Ion Ratio Lower Upper

96 100

61 123.5 110.4 165.6

98 57.1 50.5 75.7



#22

Diisopropyl ether

Concen: 19.63 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Tgt Ion: 45 Resp: 255984

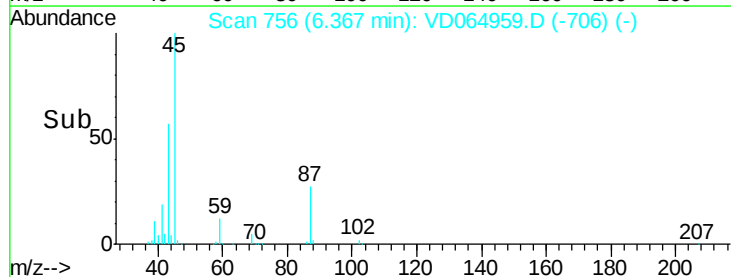
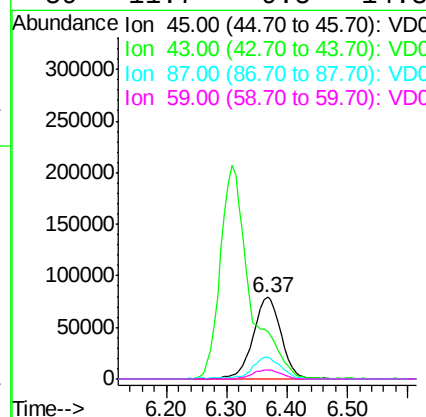
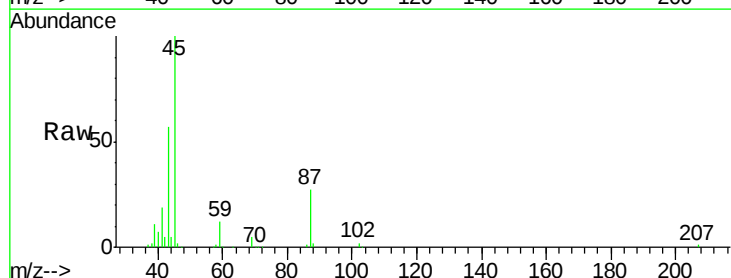
Ion Ratio Lower Upper

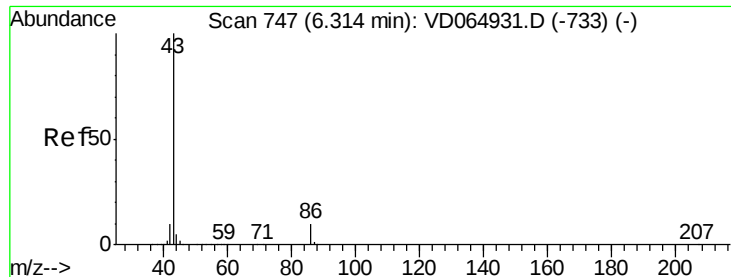
45 100

43 56.9 43.1 64.7

87 27.4 21.4 32.2

59 11.7 9.5 14.3

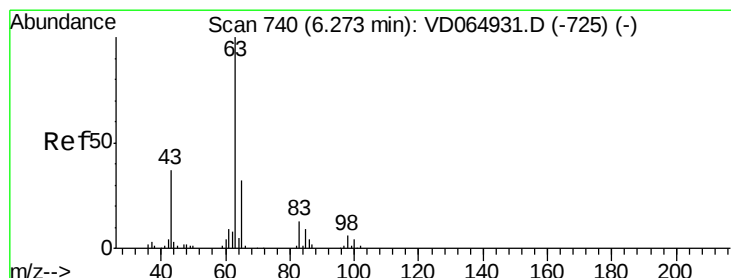
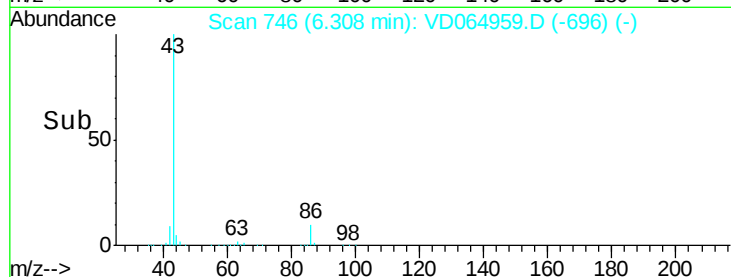
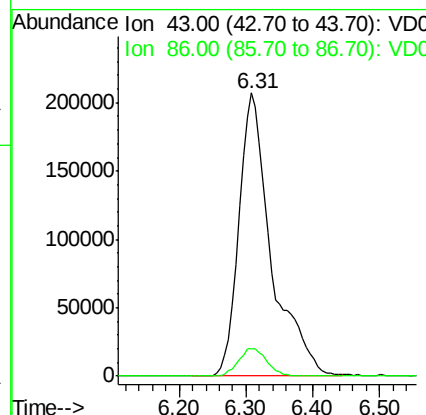
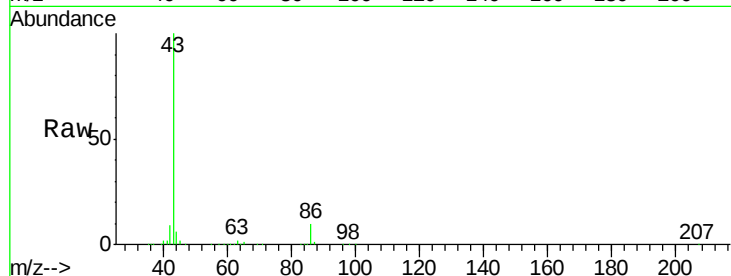




#23
 Vinyl Acetate
 Concen: 91.72 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

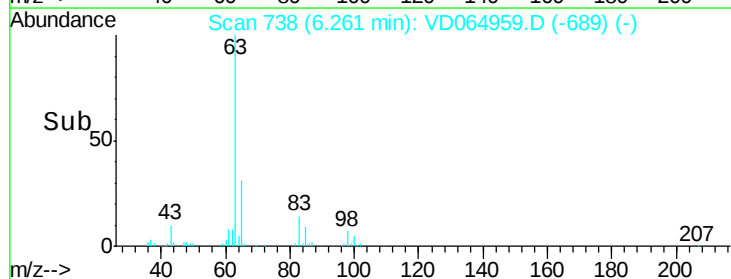
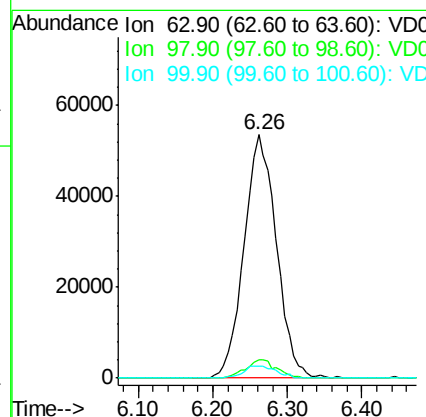
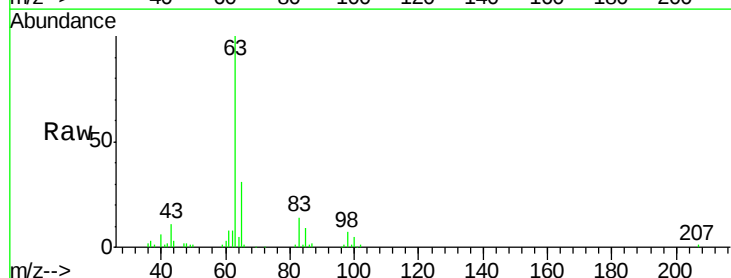
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

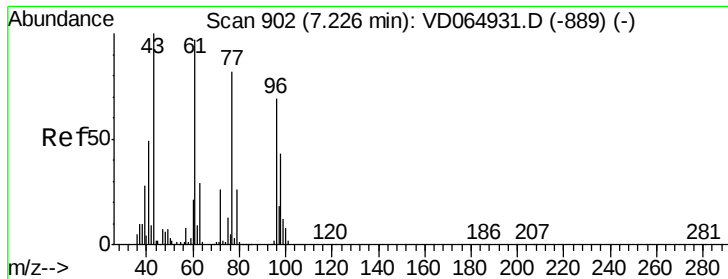
Tgt Ion: 43 Resp: 700196
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.18 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion: 63 Resp: 161574
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.1 9.3
 100 4.7 2.3 6.8





#25

2-Butanone

Concen: 88.70 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

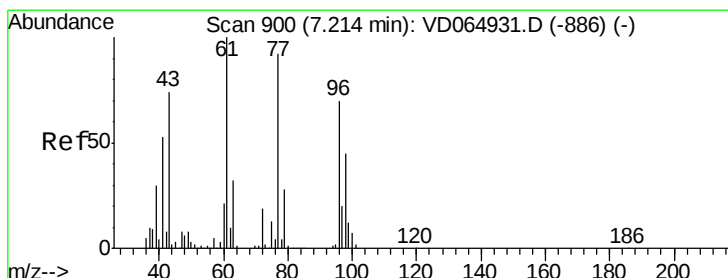
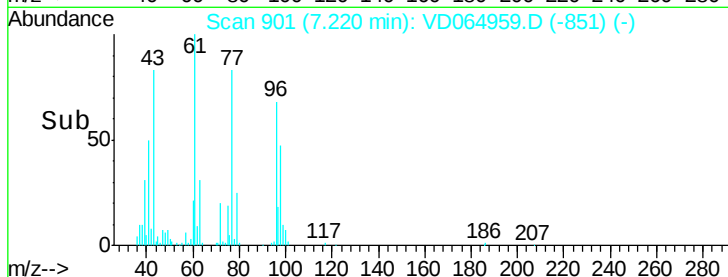
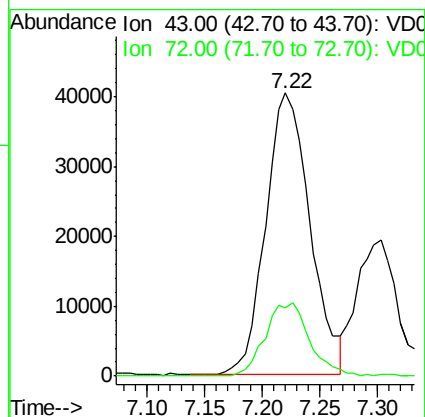
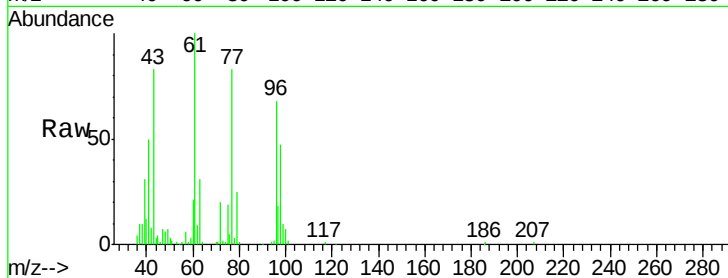
VD0127SBS01

Tgt Ion: 43 Resp: 108327

Ion Ratio Lower Upper

43 100

72 24.3 20.6 31.0



#26

2,2-Dichloropropane

Concen: 20.44 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064959.D

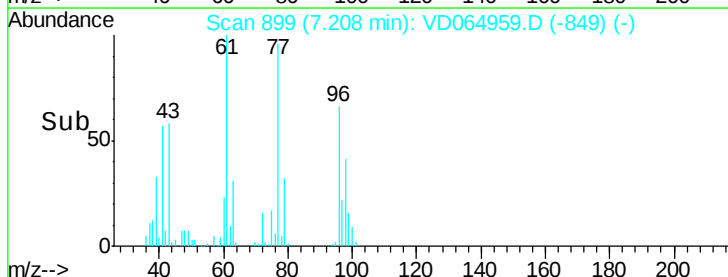
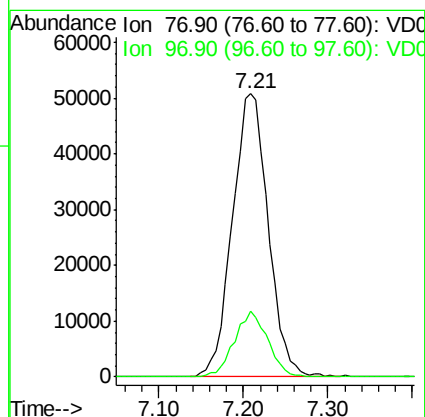
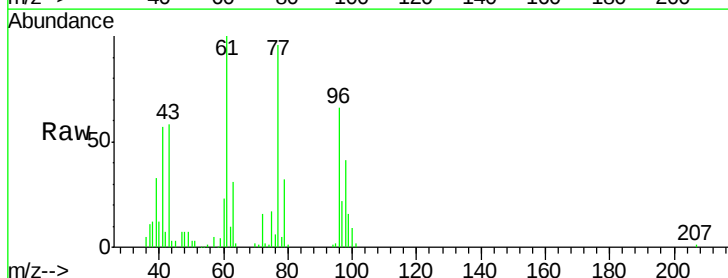
Acq: 27 Jan 2020 13:05

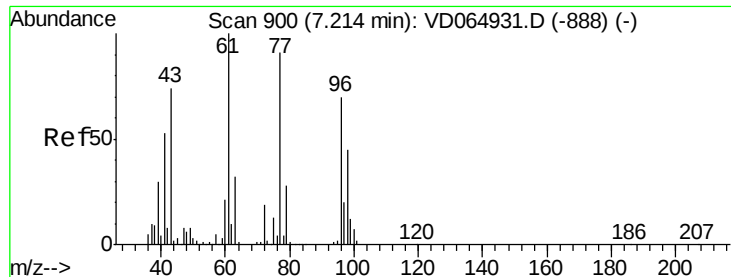
Tgt Ion: 77 Resp: 148451

Ion Ratio Lower Upper

77 100

97 21.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.41 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

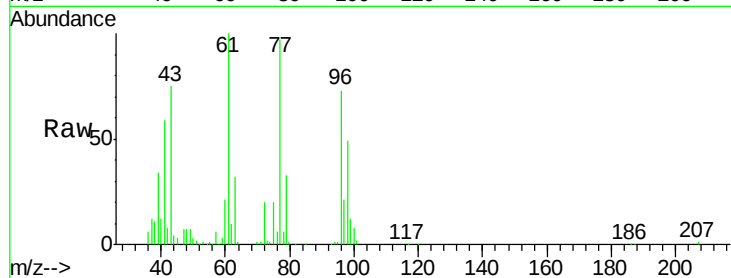
Tgt Ion: 96 Resp: 97912

Ion Ratio Lower Upper

96 100

61 149.0 0.0 292.8

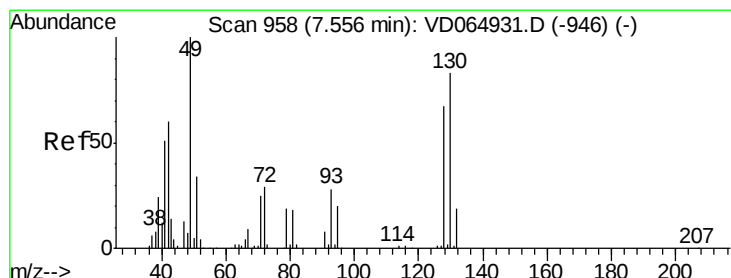
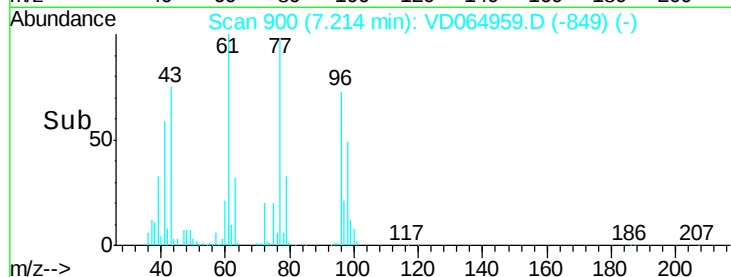
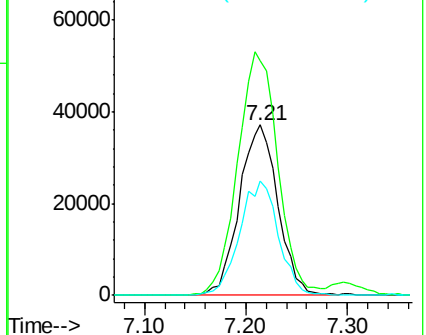
98 67.1 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 17.10 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

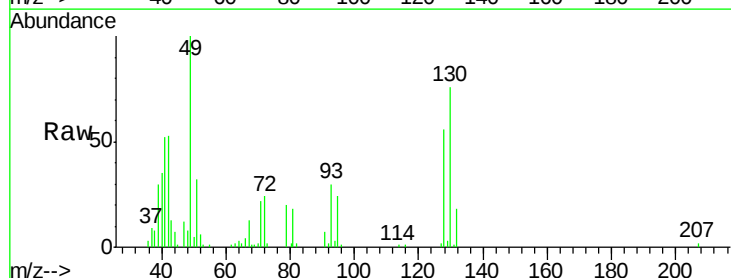
Tgt Ion: 49 Resp: 54760

Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.4

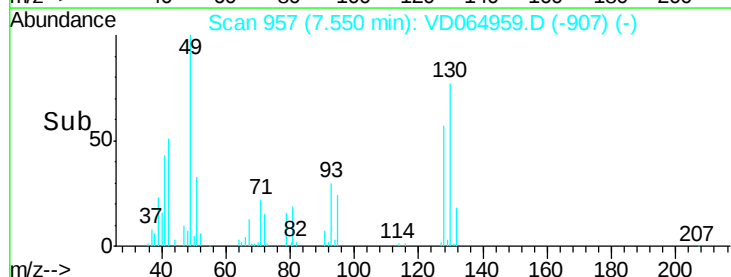
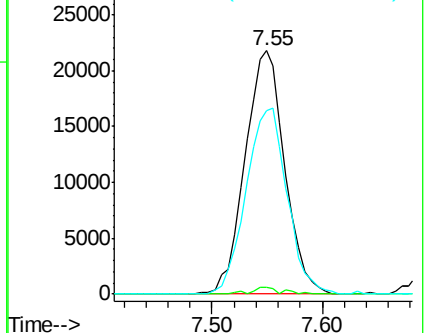
130 79.1 63.8 95.8

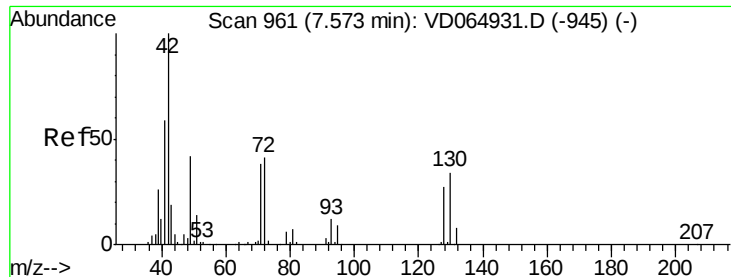


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

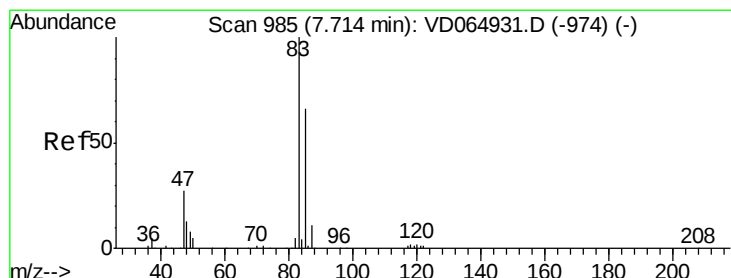
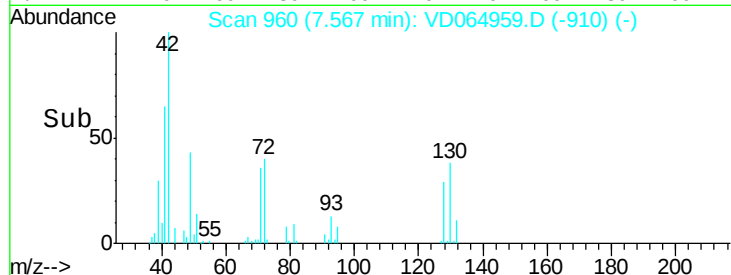
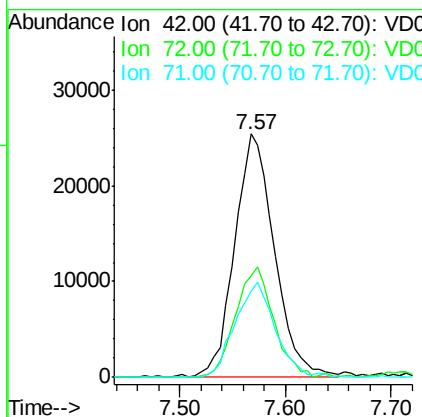
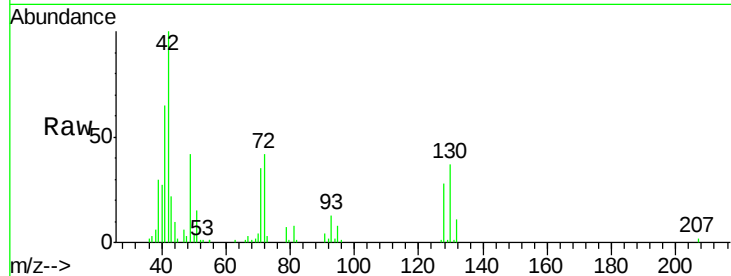




#29
Tetrahydrofuran
Concen: 88.15 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

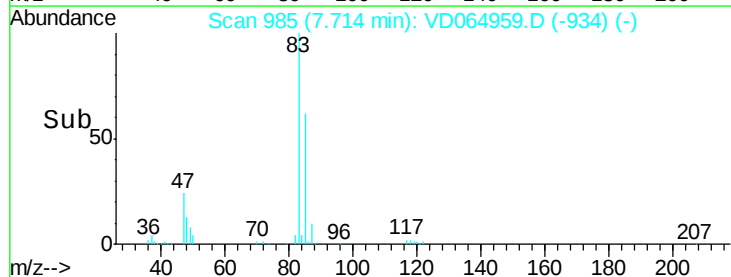
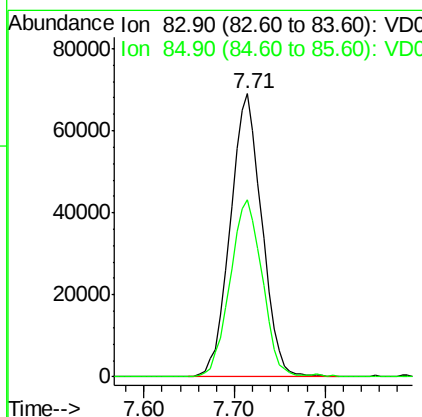
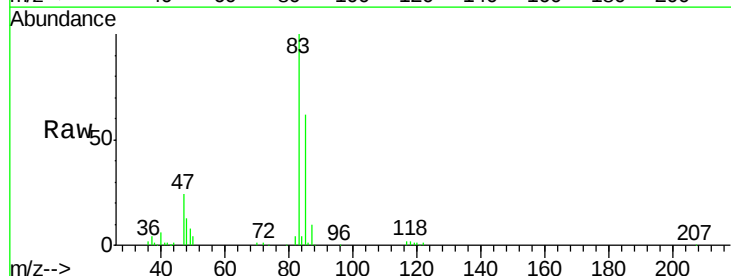
Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

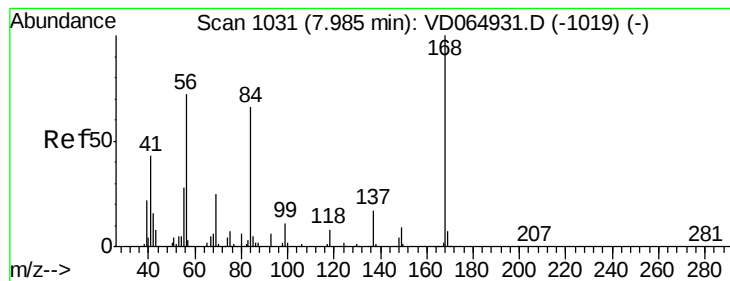
Tgt Ion: 42 Resp: 66422
Ion Ratio Lower Upper
42 100
72 43.4 34.0 51.0
71 39.4 31.5 47.3



#30
Chloroform
Concen: 20.20 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion: 83 Resp: 167151
Ion Ratio Lower Upper
83 100
85 62.4 52.4 78.6





#31

Cyclohexane

Concen: 19.71 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

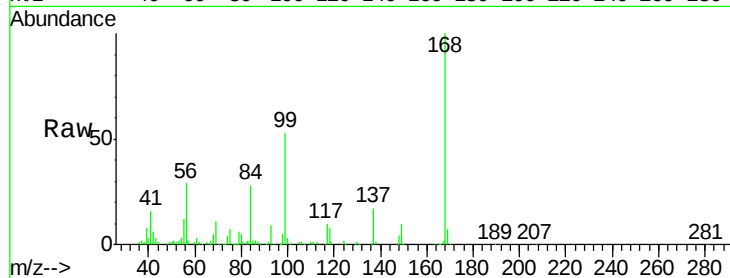
Tgt Ion: 56 Resp: 155197

Ion Ratio Lower Upper

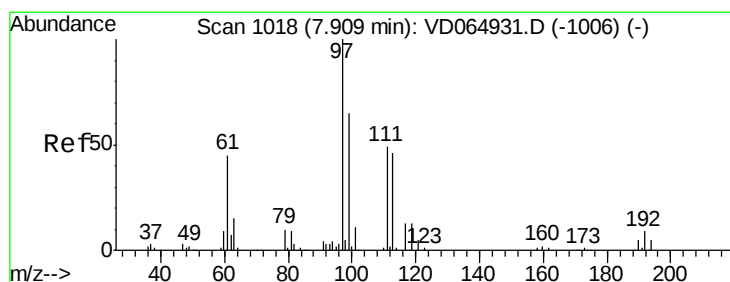
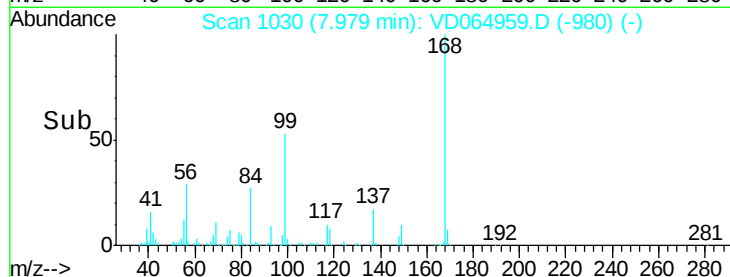
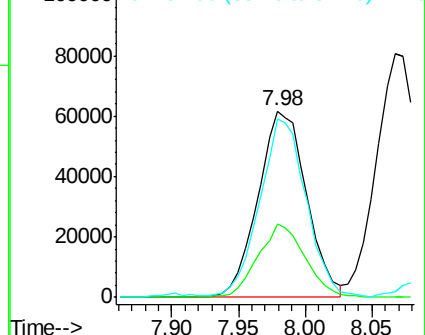
56 100

69 39.4 27.9 41.9

84 94.2 72.8 109.2



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



#32

1,1,1-Trichloroethane

Concen: 19.99 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

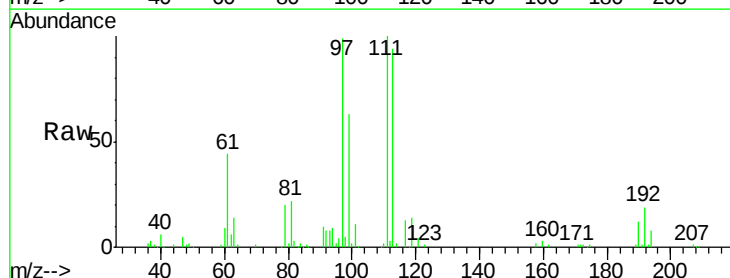
Tgt Ion: 97 Resp: 153908

Ion Ratio Lower Upper

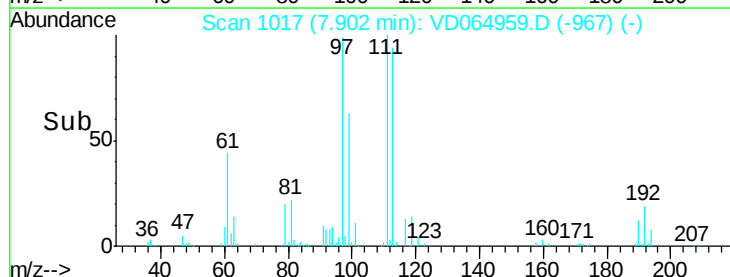
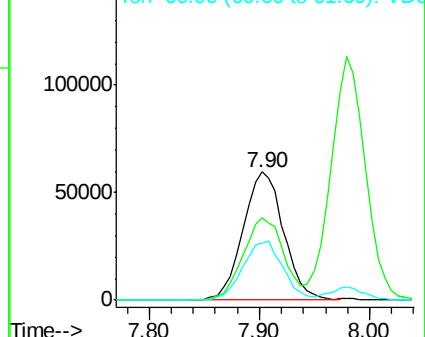
97 100

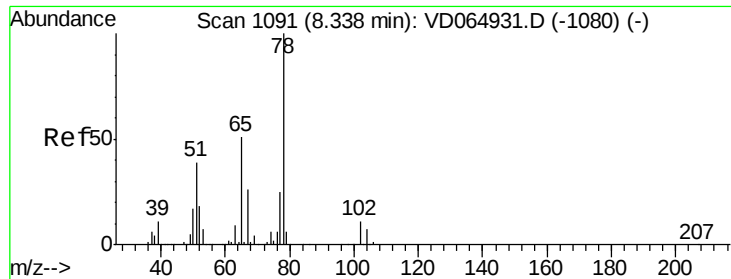
99 64.0 50.6 76.0

61 45.6 35.7 53.5



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

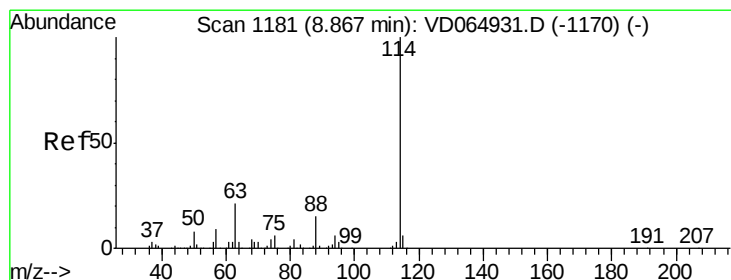
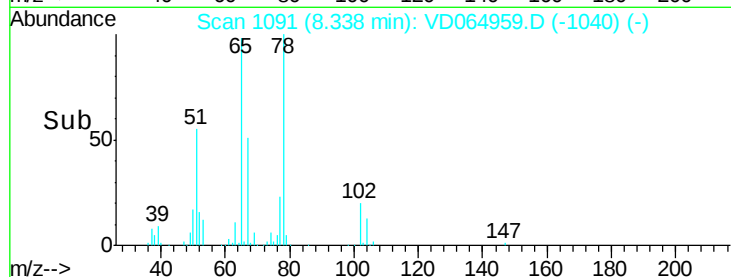
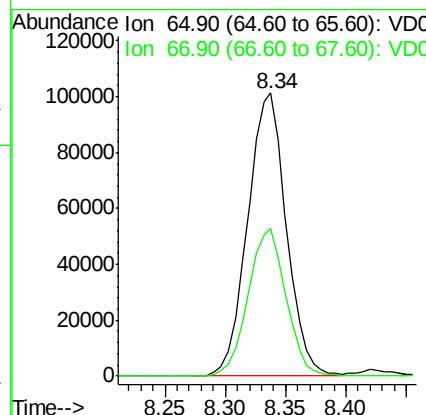
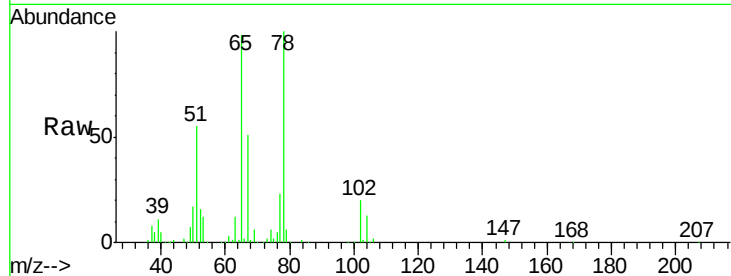




#33
 1,2-Dichloroethane-d4
 Concen: 49.87 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

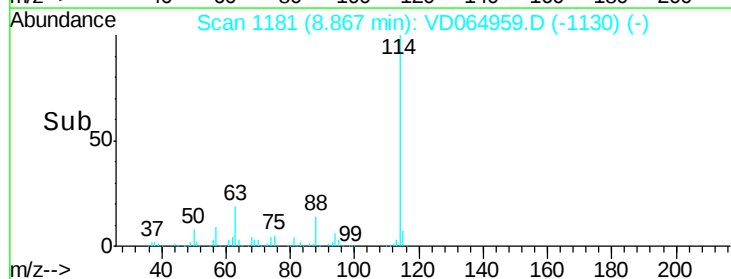
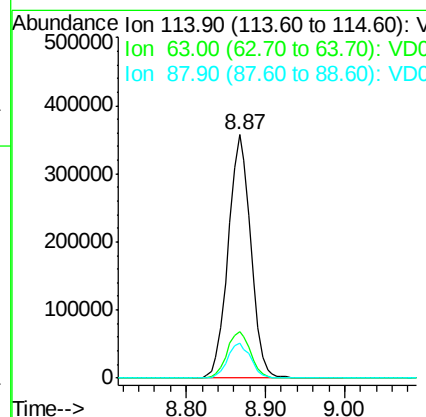
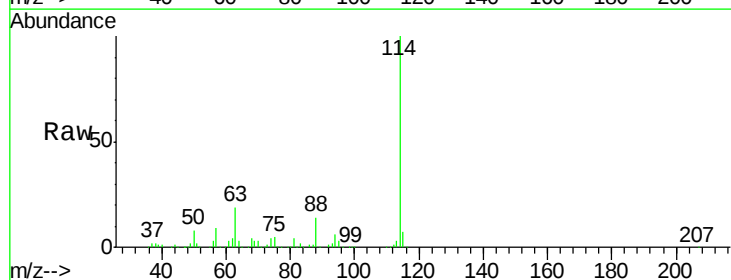
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tgt Ion: 65 Resp: 225430
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion: 114 Resp: 702968
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.0
 88 14.3 0.0 29.4

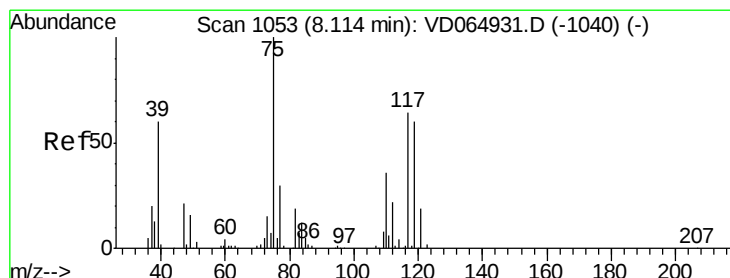
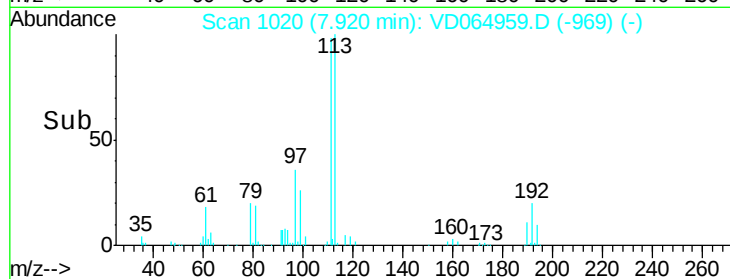
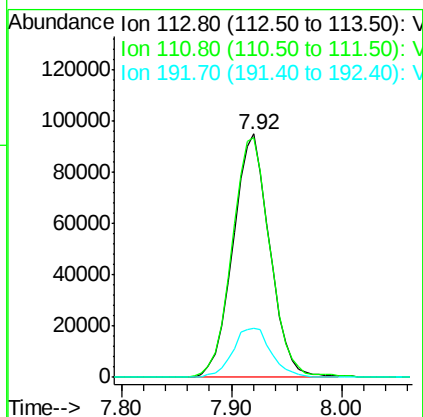
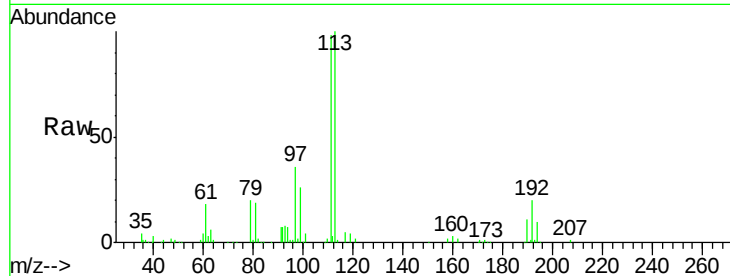




#35
 Dibromofluoromethane
 Concen: 50.17 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

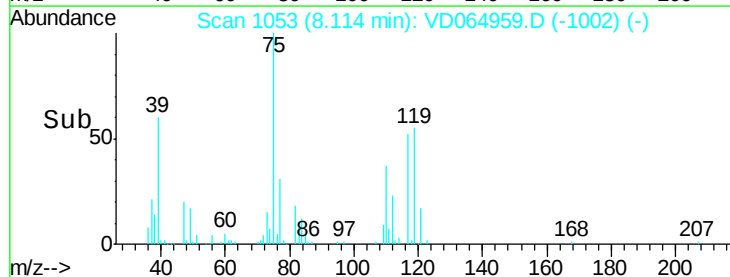
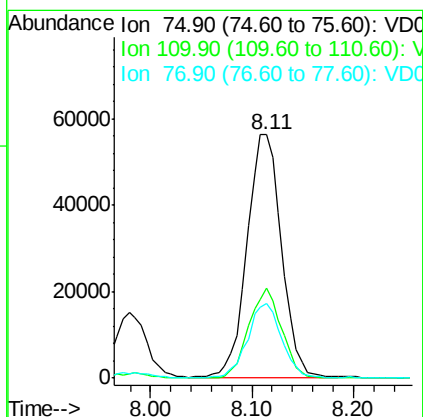
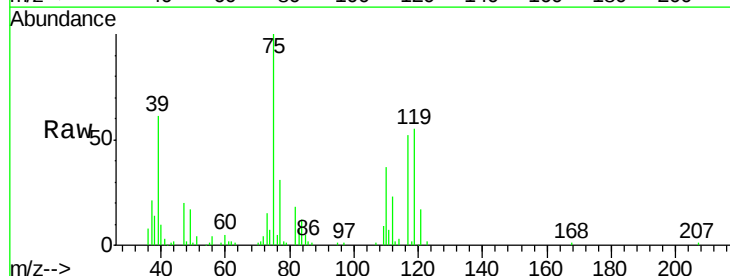
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

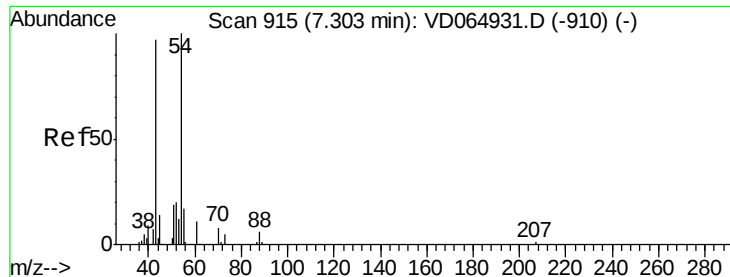
Tgt Ion: 113 Resp: 221649
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.4 123.6
 192 21.4 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 19.71 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion: 75 Resp: 133585
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.3 52.0
 77 30.4 24.7 37.1

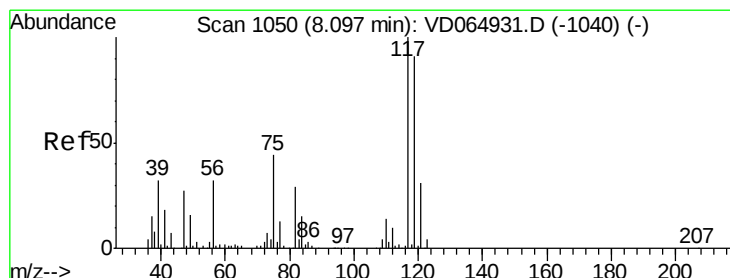
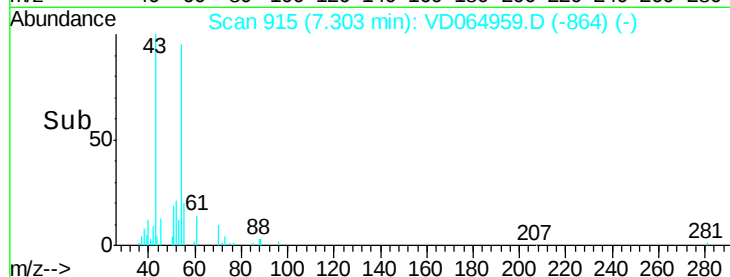
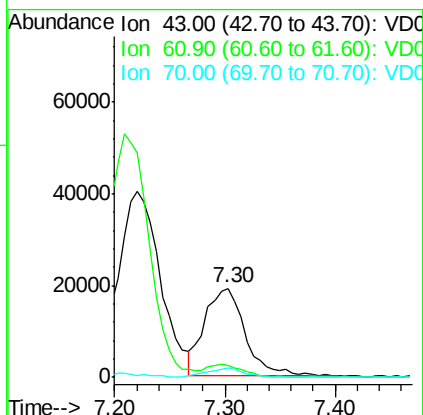
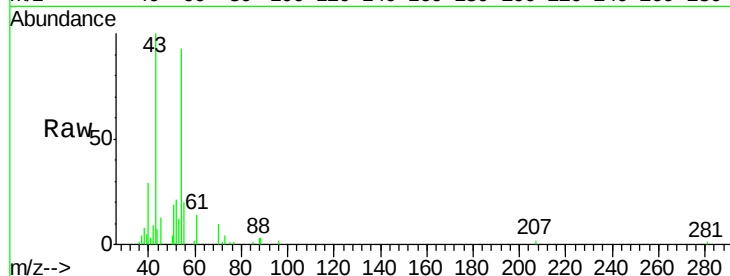




#37
Ethyl Acetate
Concen: 17.07 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

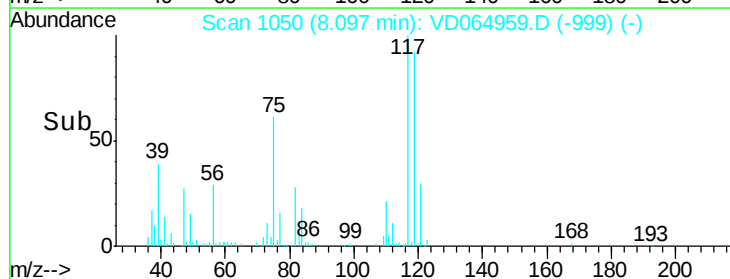
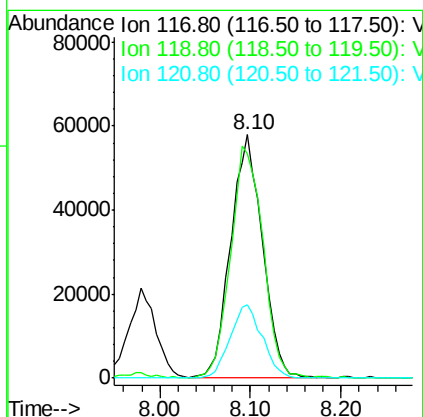
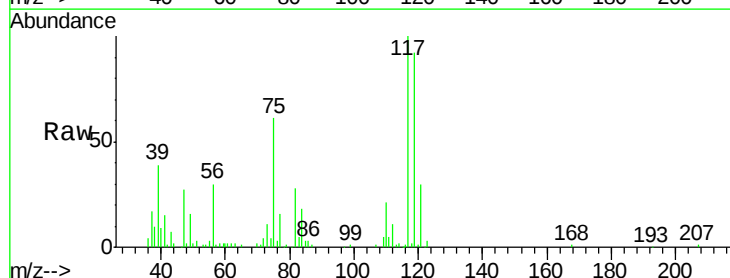
Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

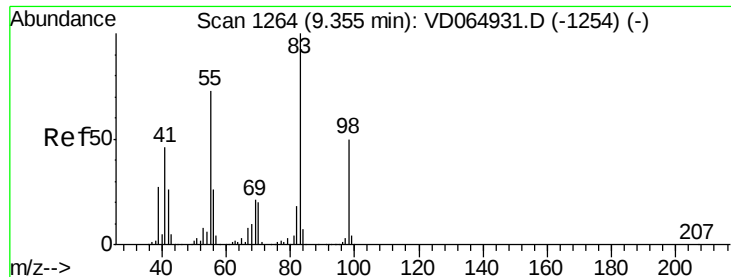
Tgt Ion: 43 Resp: 47805
Ion Ratio Lower Upper
43 100
61 13.0 11.0 16.4
70 9.7 7.5 11.3



#38
Carbon Tetrachloride
Concen: 19.47 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion: 117 Resp: 139497
Ion Ratio Lower Upper
117 100
119 92.3 73.2 109.8
121 30.1 24.4 36.6

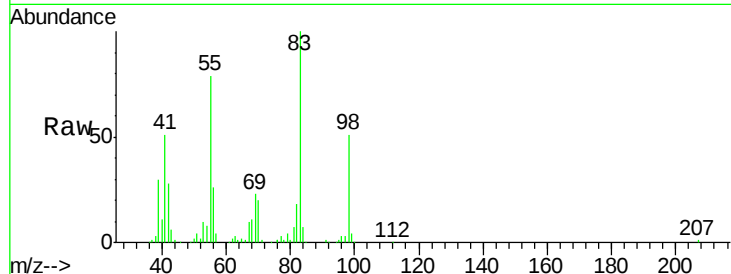




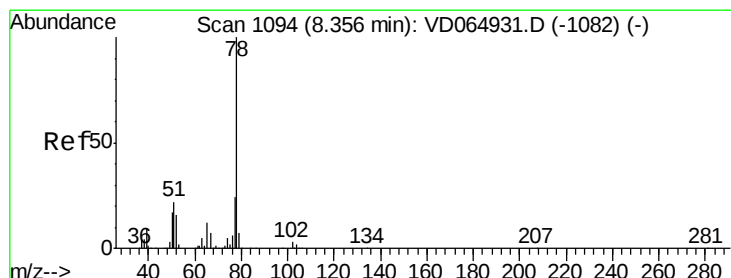
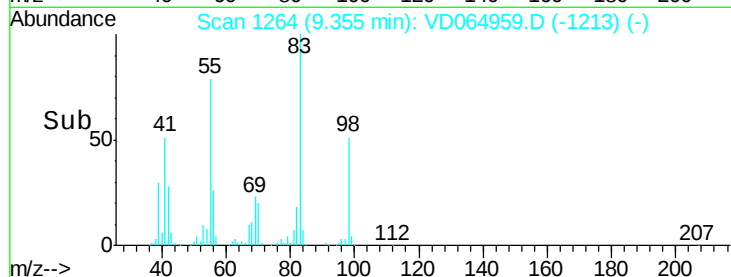
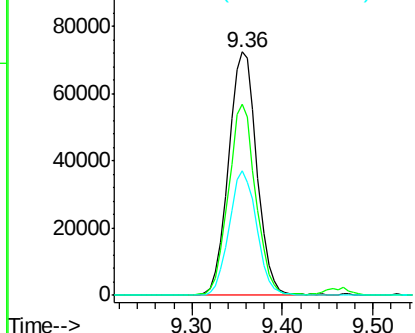
#39
Methylcyclohexane
Concen: 19.89 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tgt Ion: 83 Resp: 157659
Ion Ratio Lower Upper
83 100
55 78.6 58.7 88.1
98 51.0 40.2 60.2

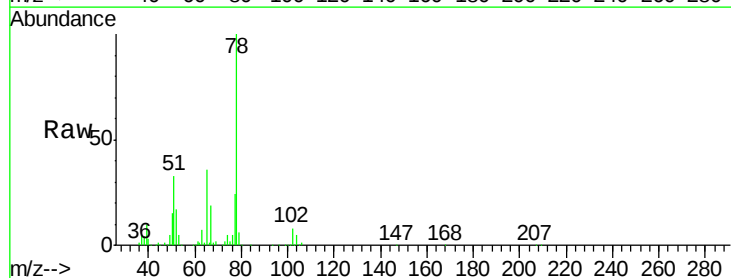


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

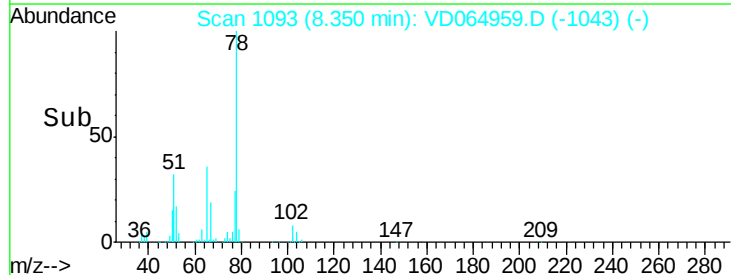
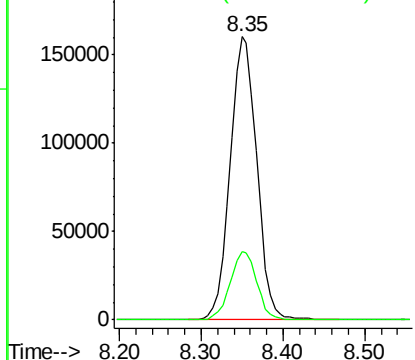


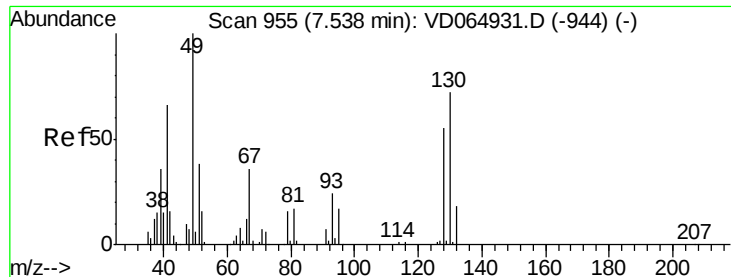
#40
Benzene
Concen: 19.46 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion: 78 Resp: 363238
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8



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





#41

Methacrylonitrile

Concen: 18.58 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tgt Ion: 41 Resp: 28025

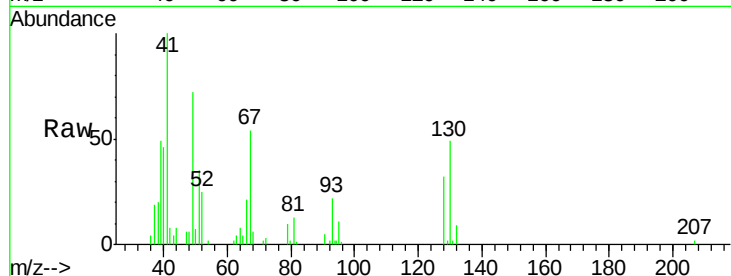
Ion Ratio Lower Upper

41 100

39 49.2 49.3 73.9#

67 66.4 51.0 76.6

52 33.4 22.3 33.5

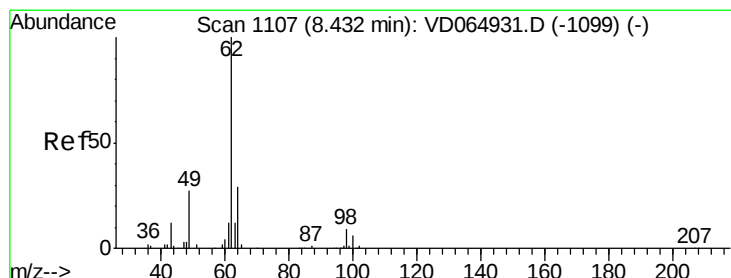
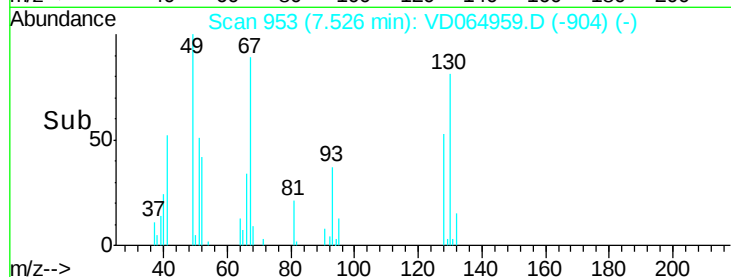
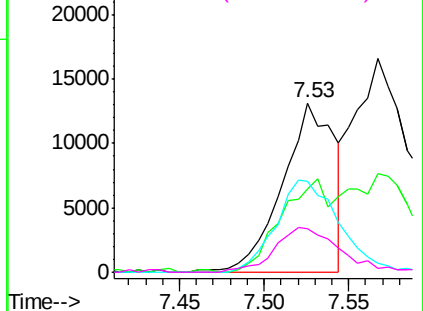


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.65 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD064959.D

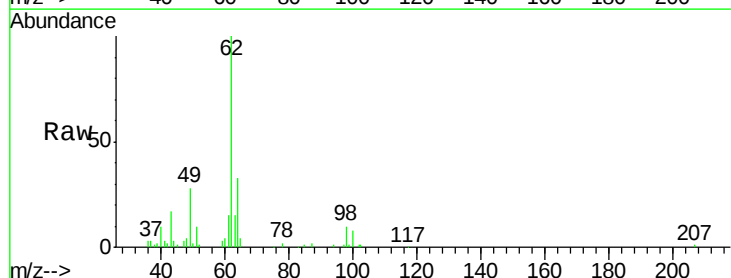
Acq: 27 Jan 2020 13:05

Tgt Ion: 62 Resp: 103700

Ion Ratio Lower Upper

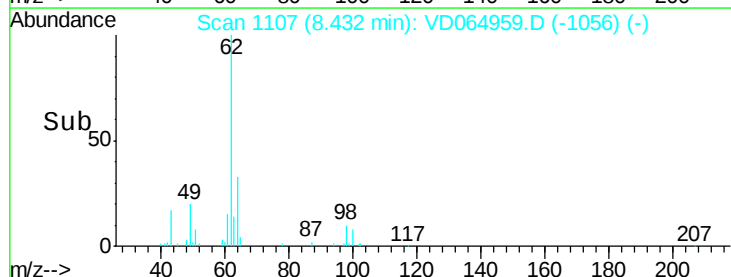
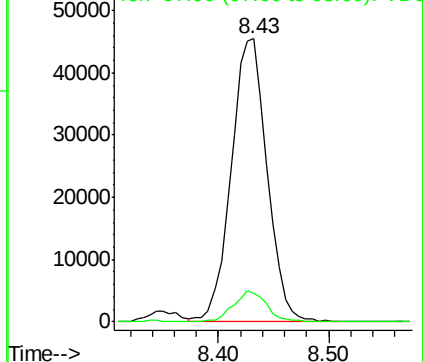
62 100

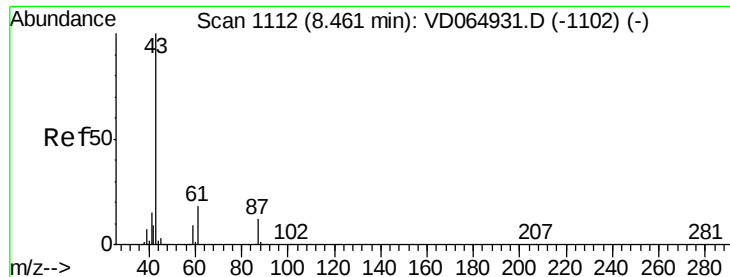
98 10.2 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.73 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

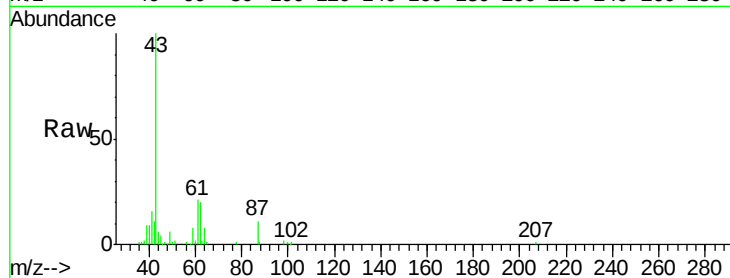
Tgt Ion: 43 Resp: 94291

Ion Ratio Lower Upper

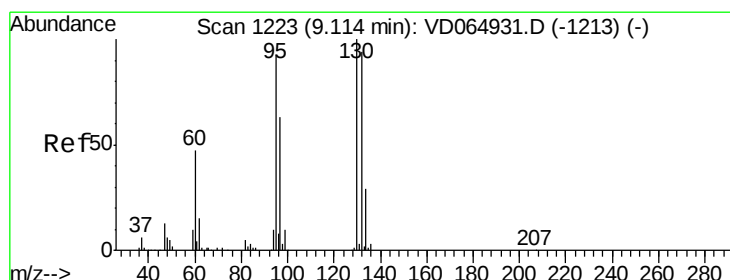
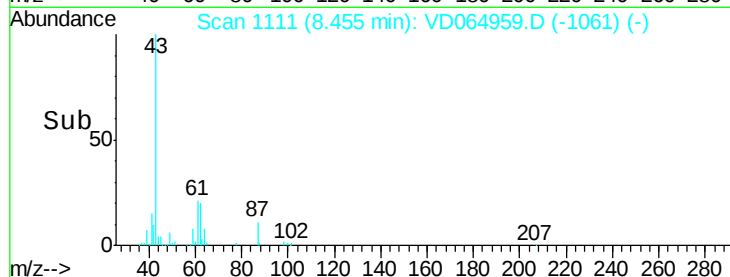
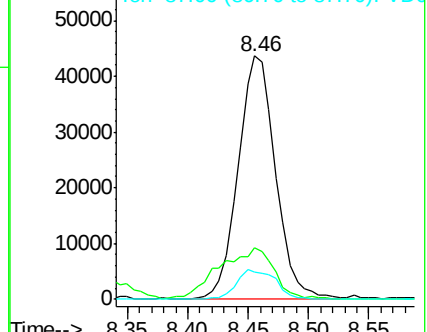
43 100

61 31.2 23.8 35.6

87 12.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.54 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064959.D

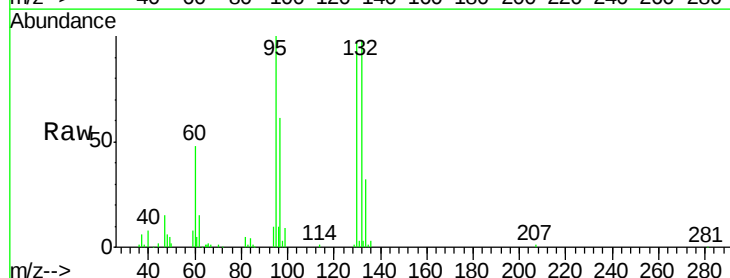
Acq: 27 Jan 2020 13:05

Tgt Ion: 130 Resp: 102085

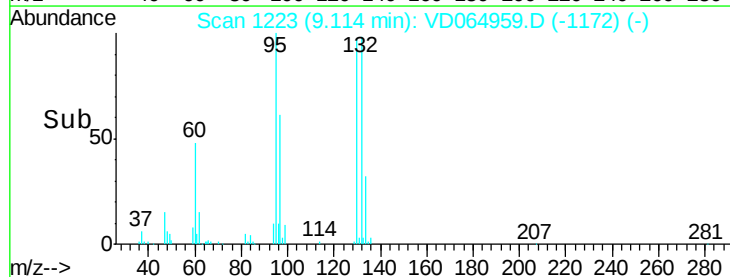
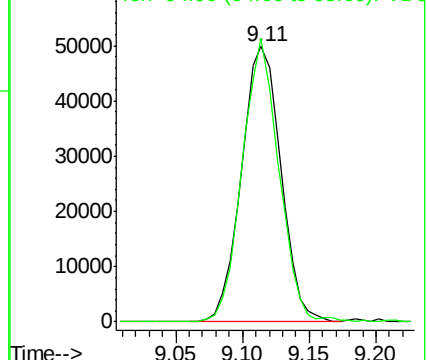
Ion Ratio Lower Upper

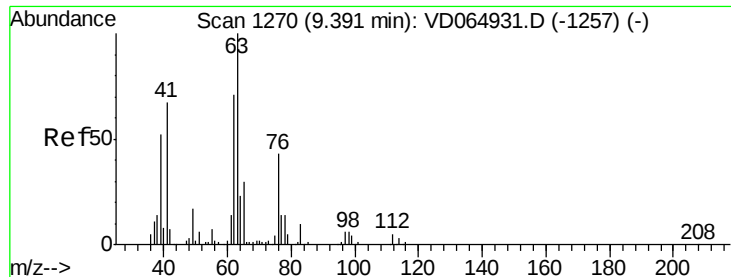
130 100

95 102.8 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.51 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

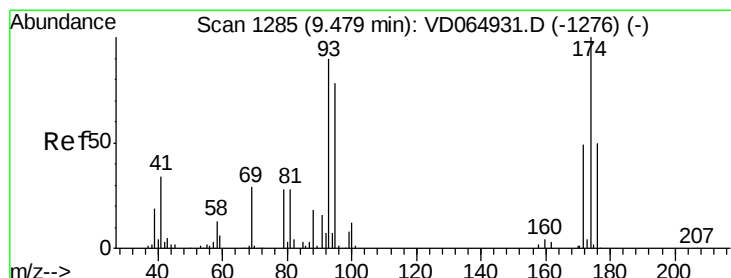
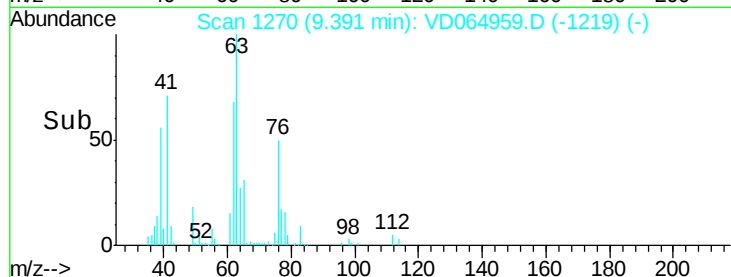
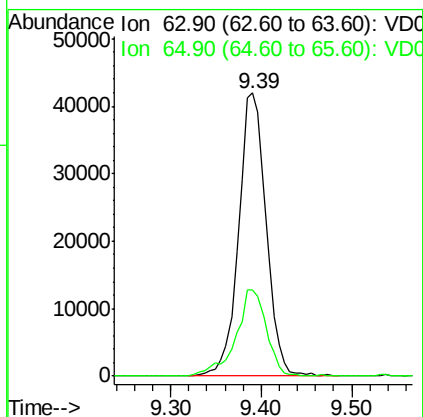
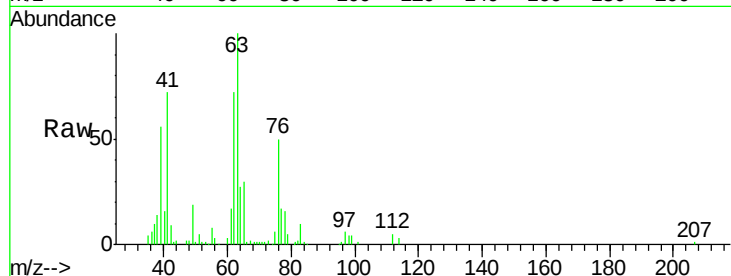
VD0127SBS01

Tgt Ion: 63 Resp: 88308

Ion Ratio Lower Upper

63 100

65 30.4 24.3 36.5



#46

Dibromomethane

Concen: 18.29 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

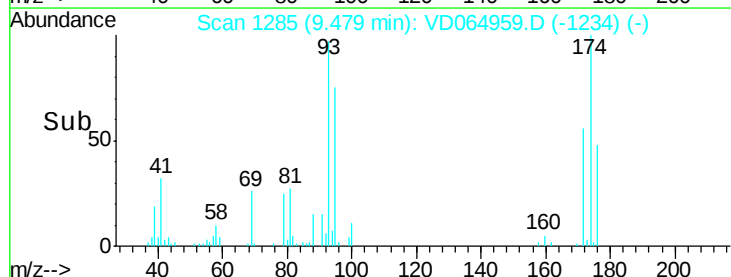
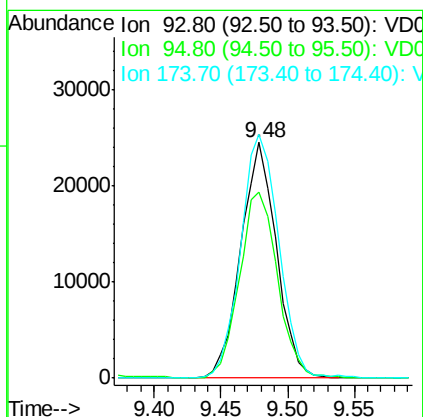
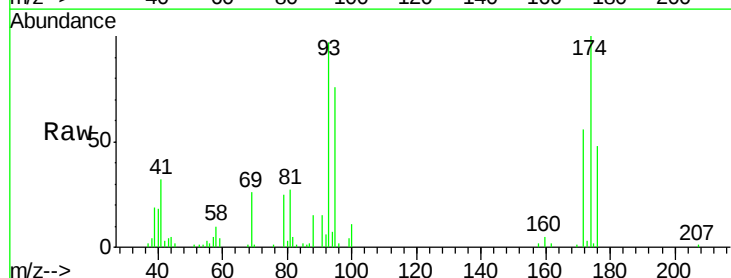
Tgt Ion: 93 Resp: 45181

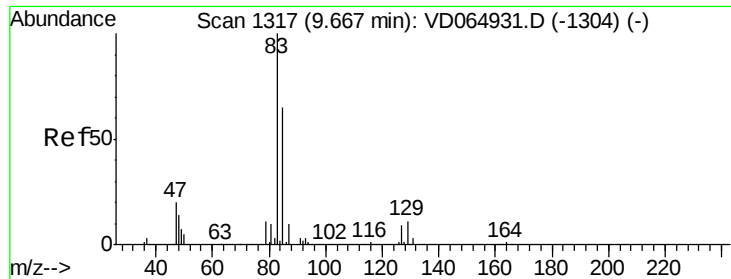
Ion Ratio Lower Upper

93 100

95 84.5 67.5 101.3

174 111.1 88.4 132.6

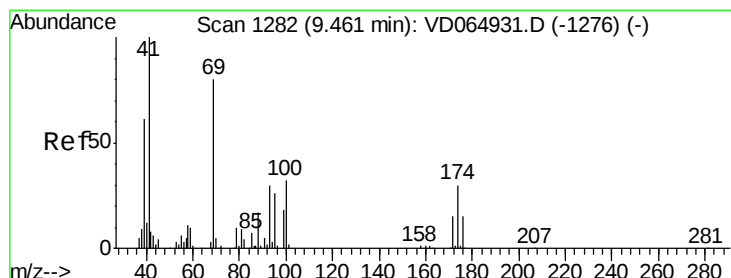
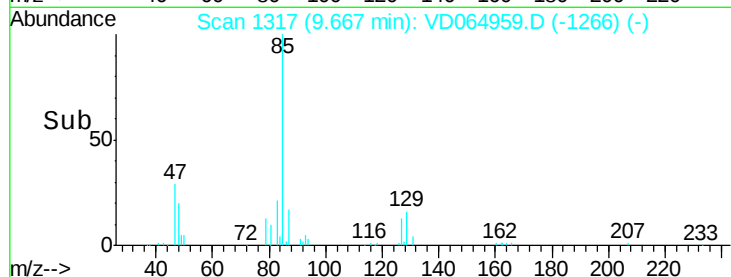
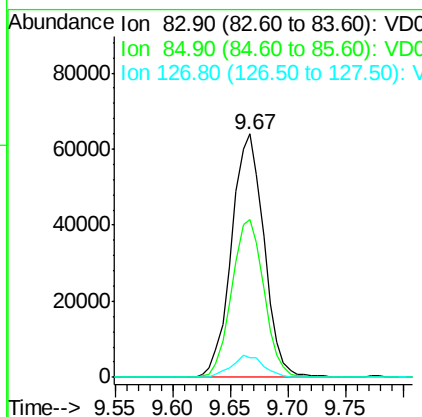
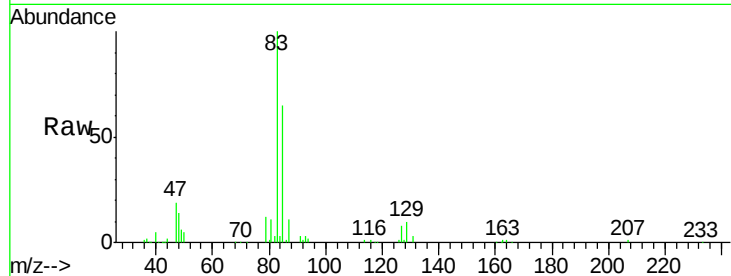




#47
Bromodichloromethane
Concen: 19.40 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

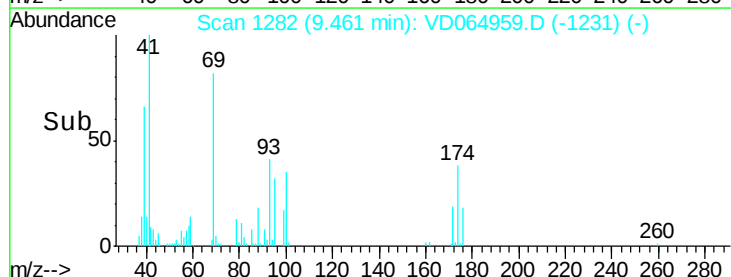
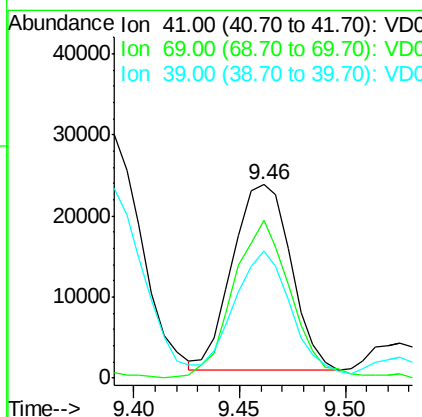
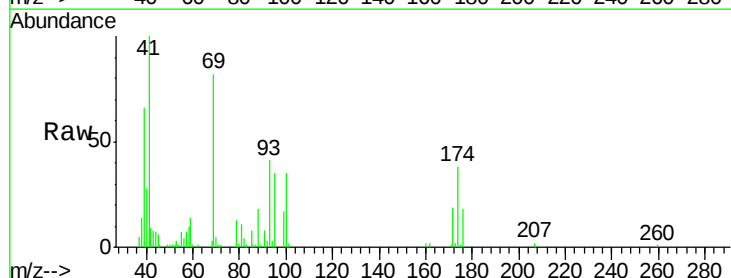
Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

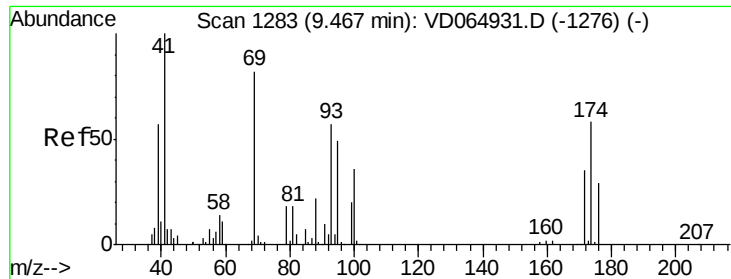
Tgt Ion: 83 Resp: 124721
Ion Ratio Lower Upper
83 100
85 64.6 52.0 78.0
127 8.3 7.3 10.9



#48
Methyl methacrylate
Concen: 18.09 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion: 41 Resp: 44270
Ion Ratio Lower Upper
41 100
69 84.2 65.8 98.8
39 61.7 49.4 74.0

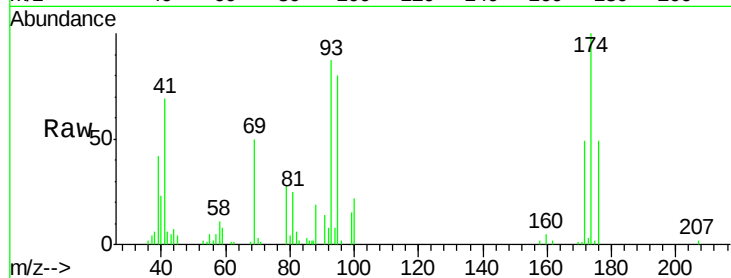




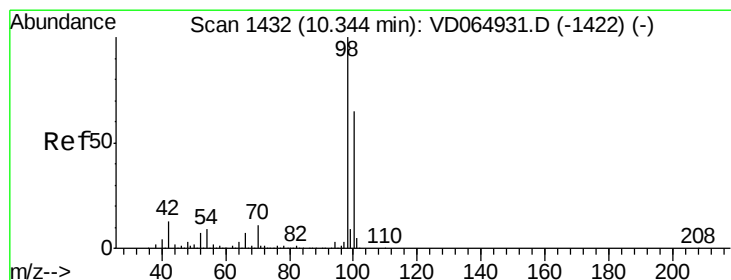
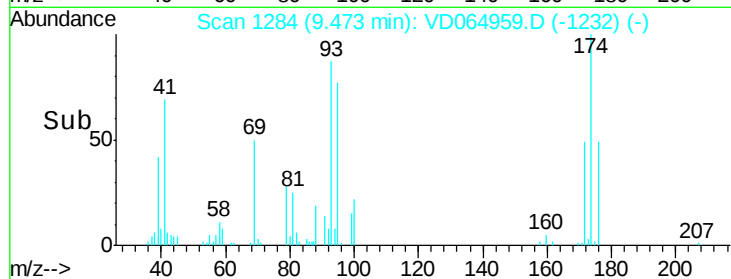
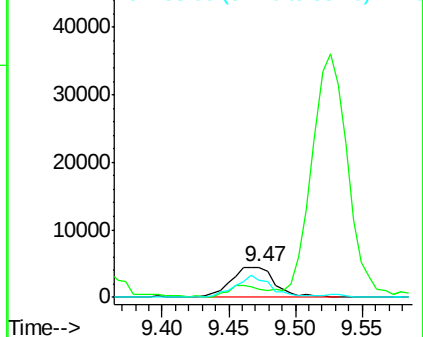
#49
1,4-Dioxane
Concen: 357.61 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tgt Ion: 88 Resp: 10248
Ion Ratio Lower Upper
88 100
43 30.1 26.2 39.4
58 59.8 50.3 75.5

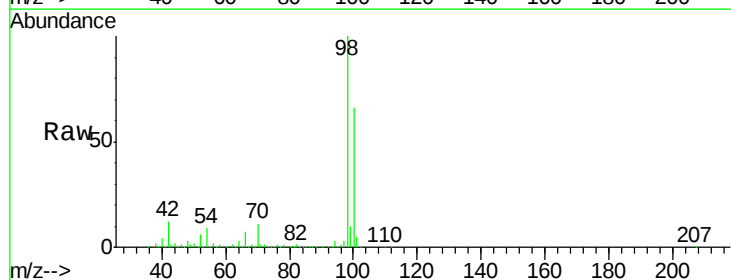


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

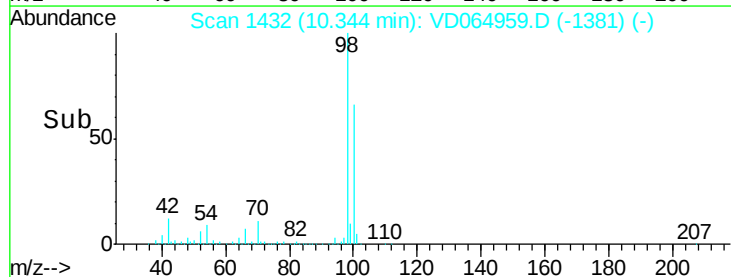
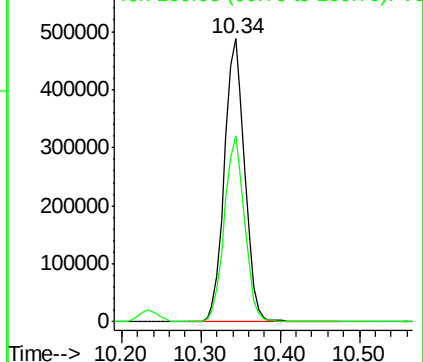


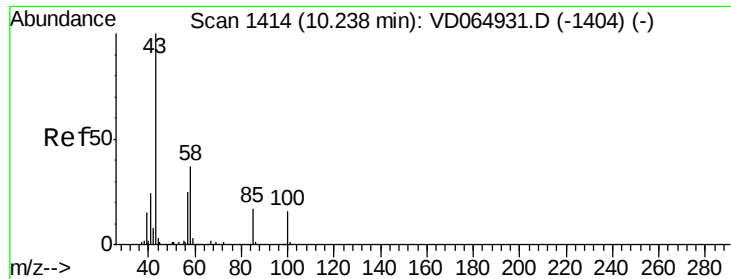
#50
Toluene-d8
Concen: 50.70 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion: 98 Resp: 864426
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



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

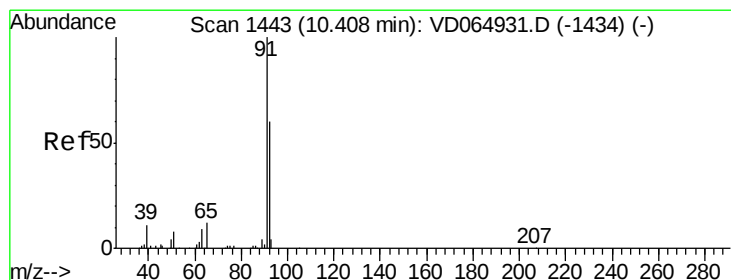
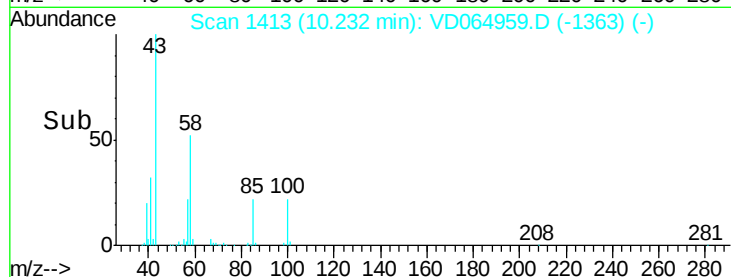
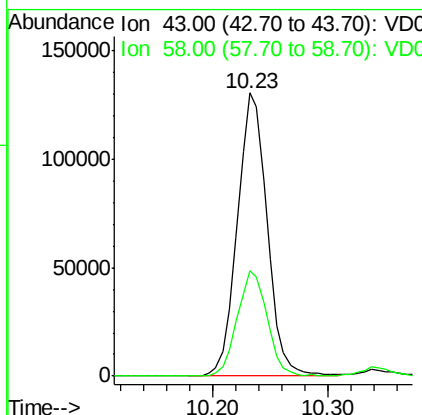
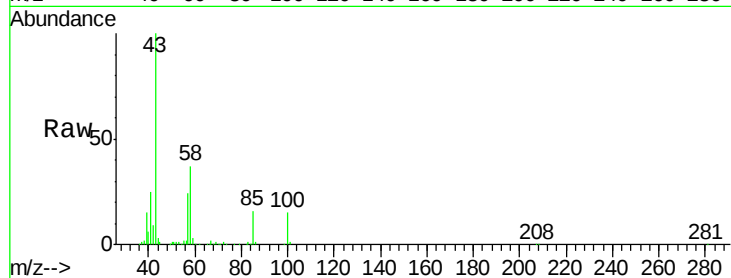




#51
 4-Methyl-2-Pentanone
 Concen: 88.12 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

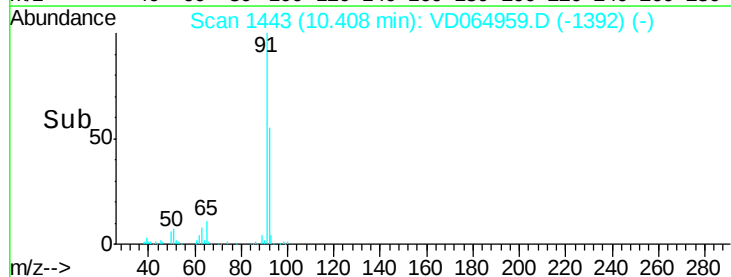
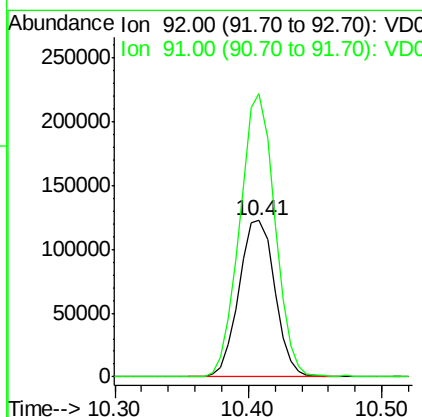
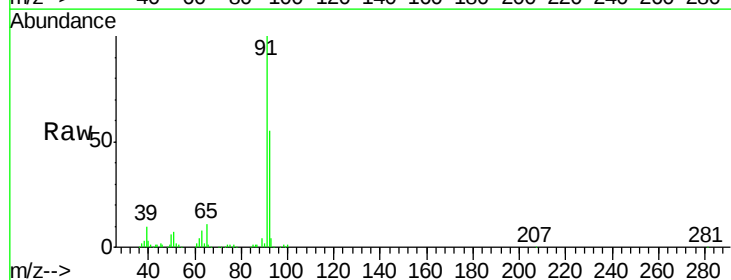
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

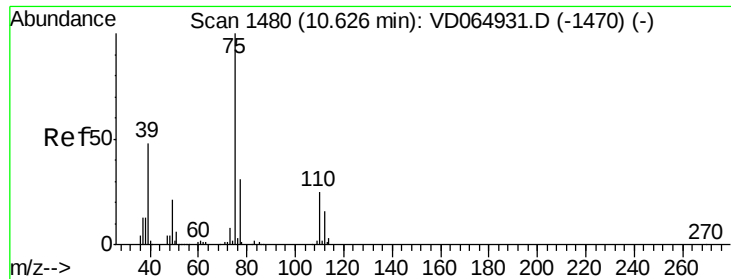
Tgt Ion: 43 Resp: 234513
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.4 45.6



#52
 Toluene
 Concen: 19.08 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion: 92 Resp: 229652
 Ion Ratio Lower Upper
 92 100
 91 176.1 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 18.82 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

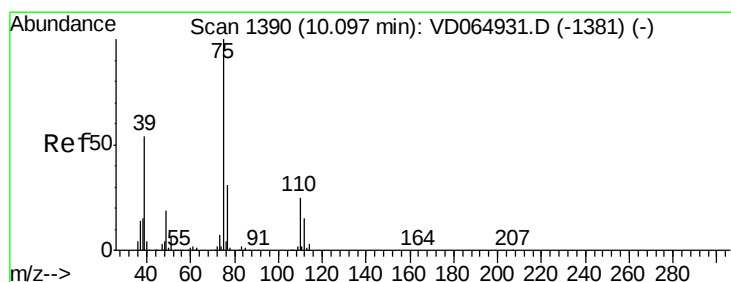
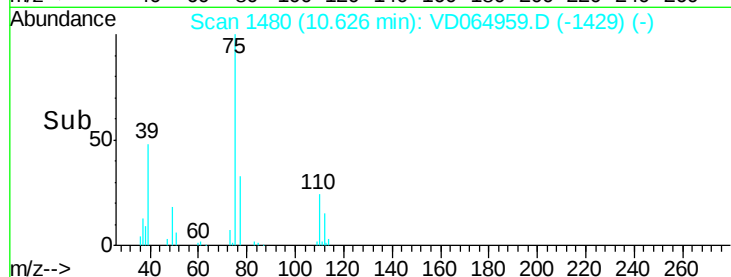
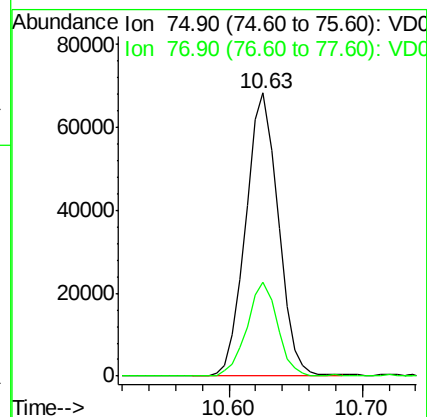
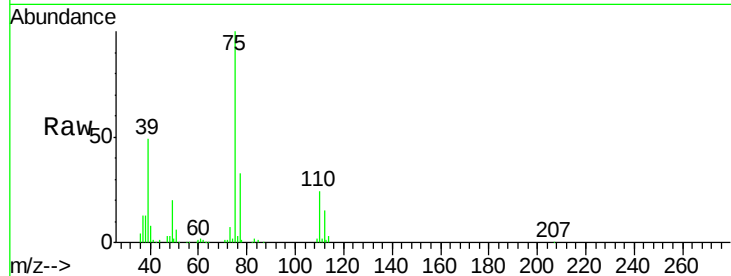
VD0127SBS01

Tgt Ion: 75 Resp: 115255

Ion Ratio Lower Upper

75 100

77 33.2 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 19.44 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

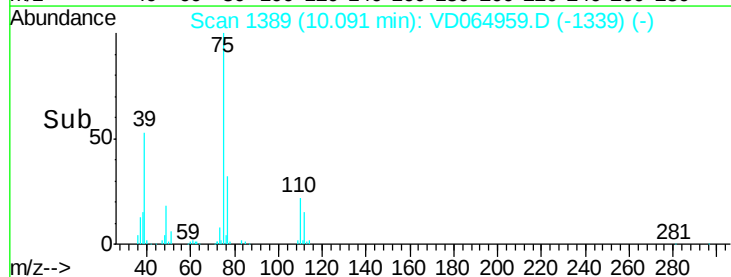
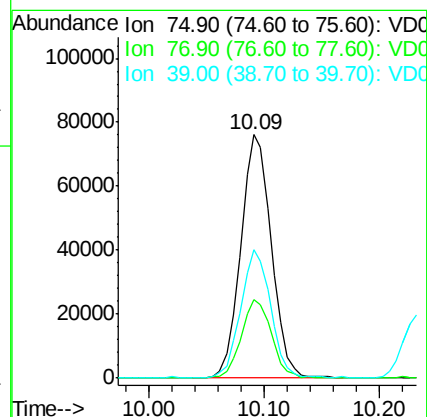
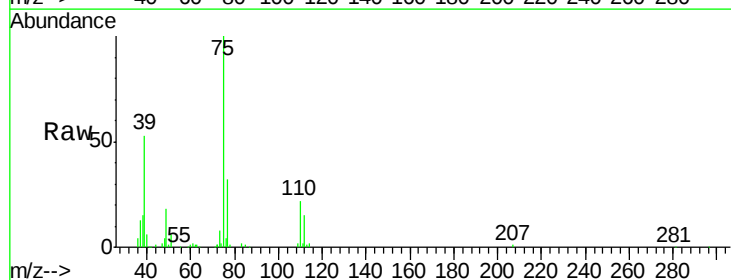
Tgt Ion: 75 Resp: 139362

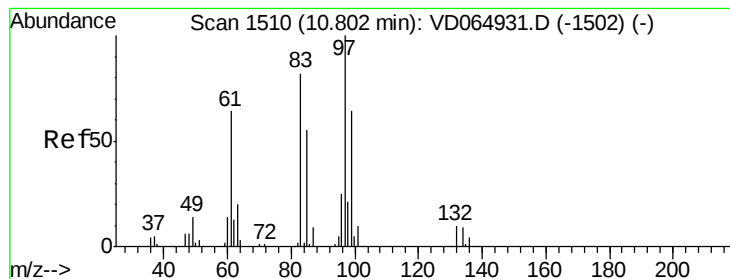
Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

39 52.6 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 18.59 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

Tgt Ion: 97 Resp: 61882

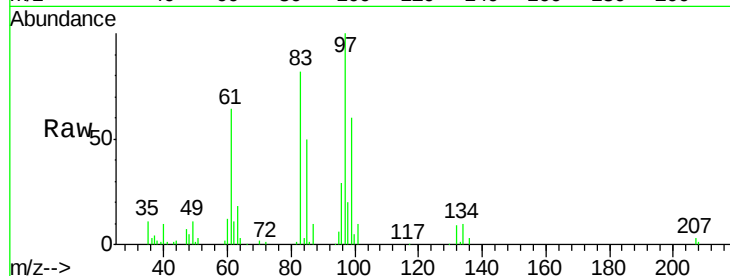
Ion Ratio Lower Upper

97 100

83 81.8 66.0 99.0

85 49.6 44.4 66.6

99 59.7 51.4 77.0

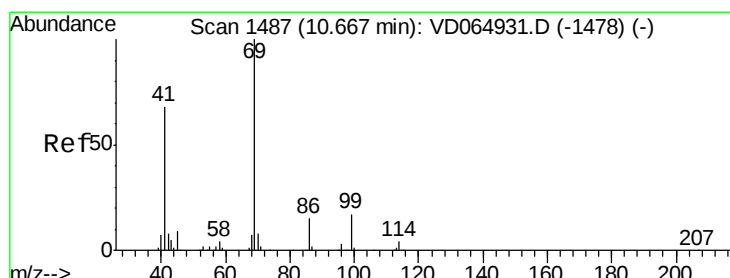
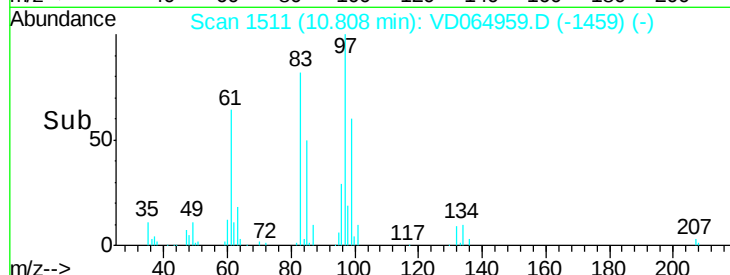
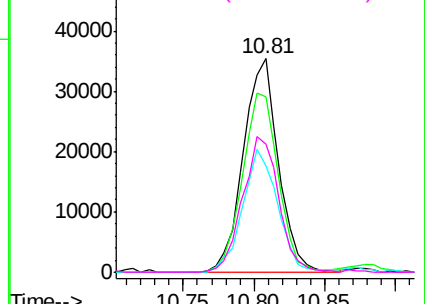


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 17.60 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

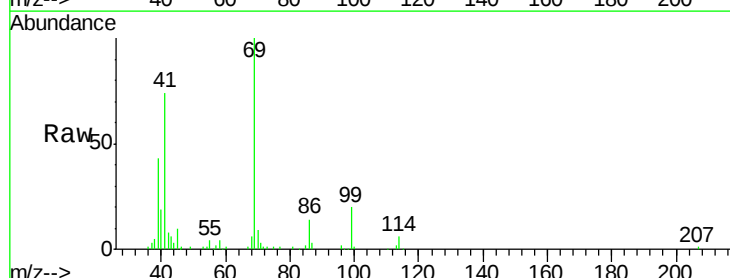
Tgt Ion: 69 Resp: 70032

Ion Ratio Lower Upper

69 100

41 72.0 56.4 84.6

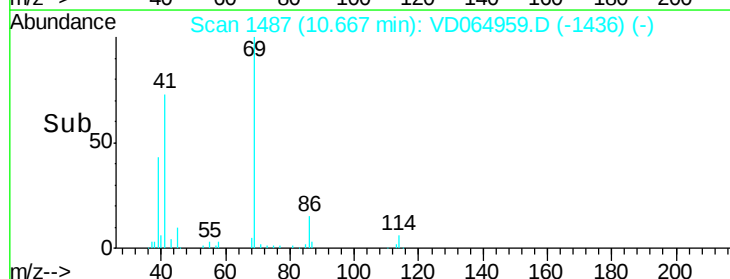
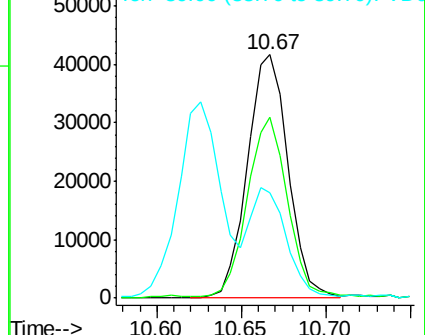
39 39.1 30.6 46.0

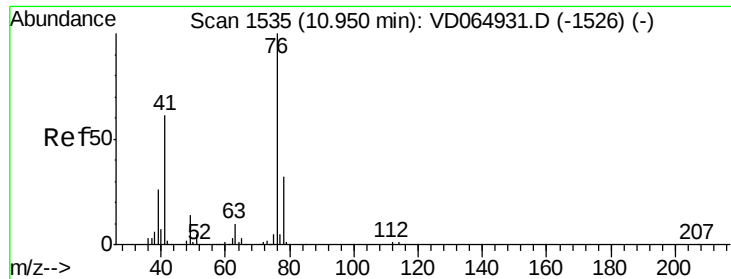


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

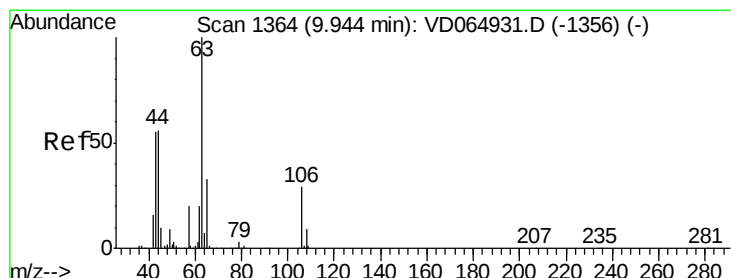
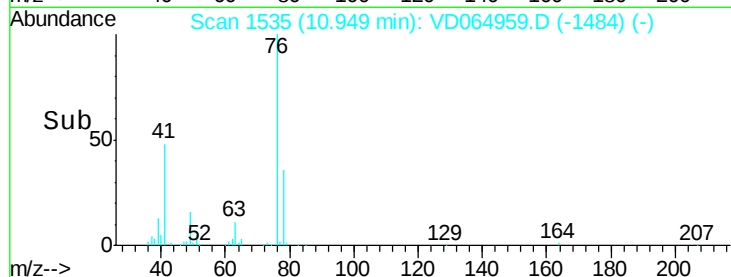
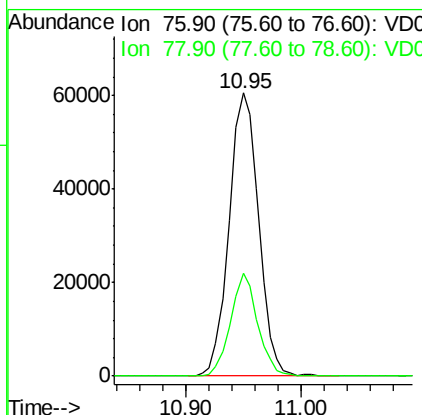
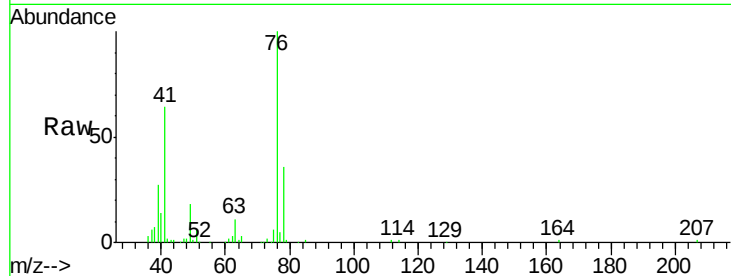




#57
 1,3-Dichloropropane
 Concen: 18.77 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

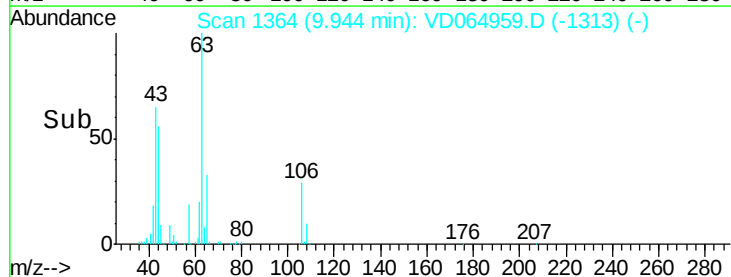
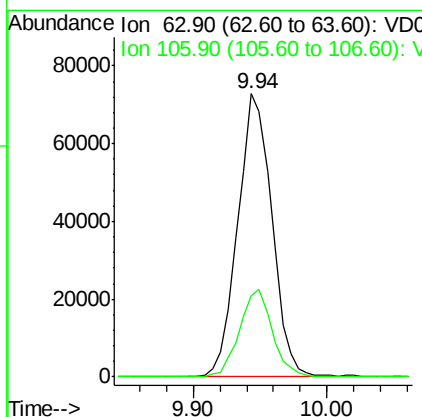
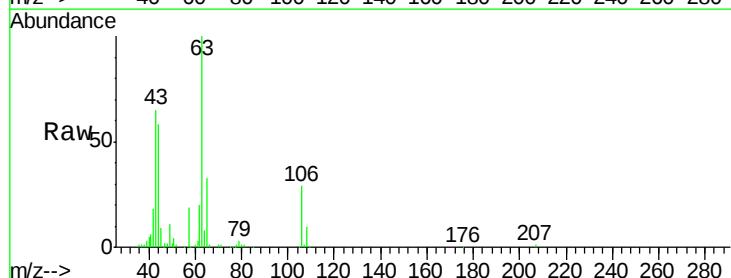
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

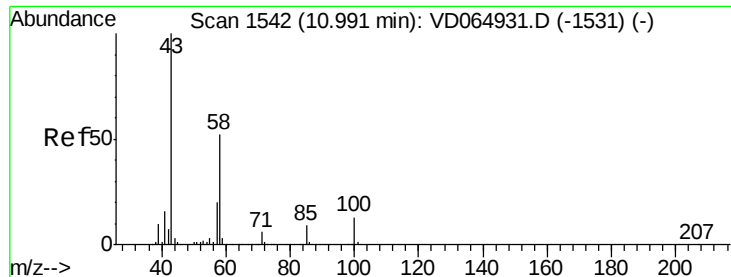
Tgt Ion: 76 Resp: 107170
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.60 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion: 63 Resp: 129059
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.0 34.4

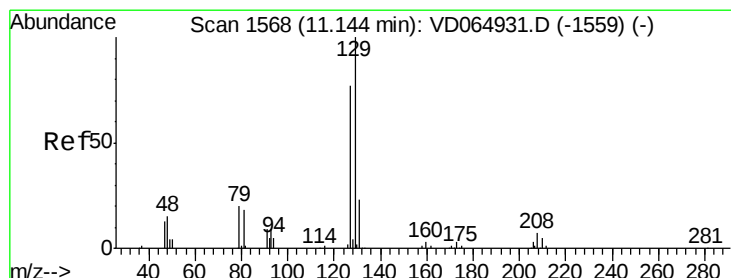
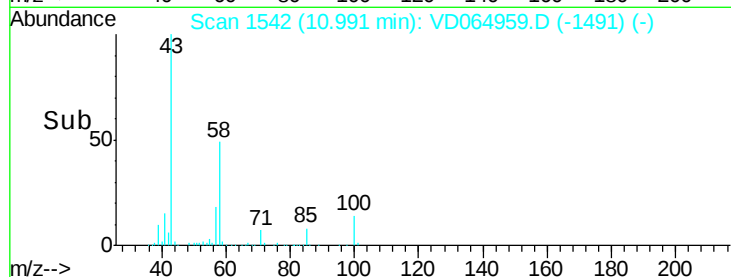
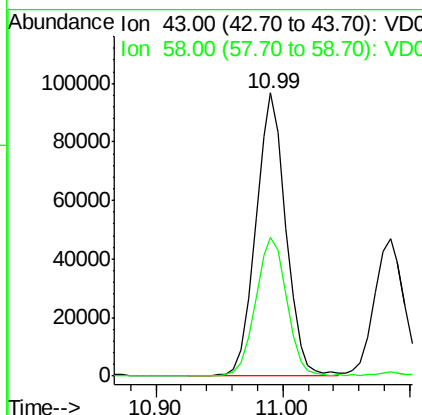
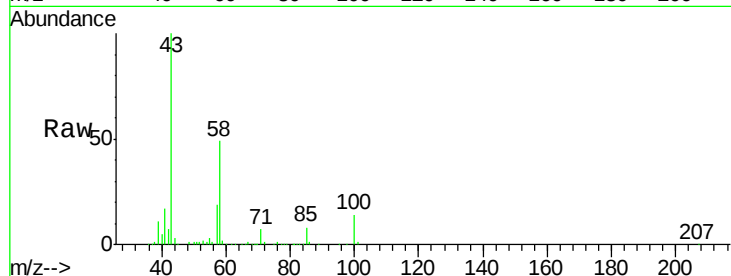




#59
2-Hexanone
Concen: 86.95 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

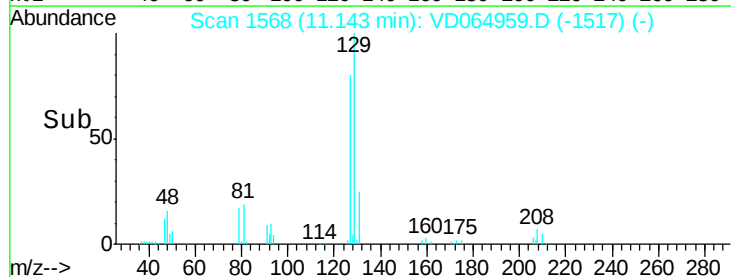
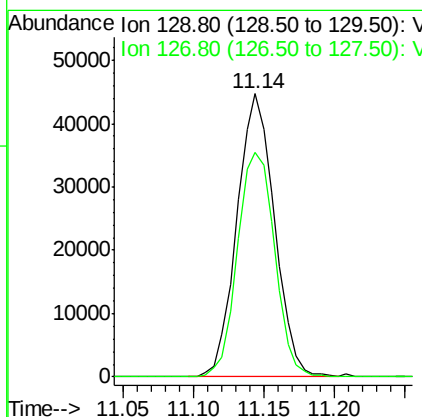
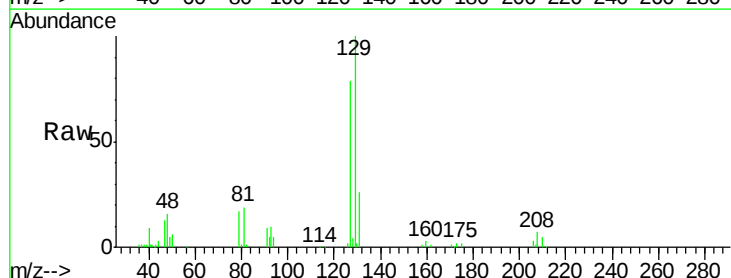
Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

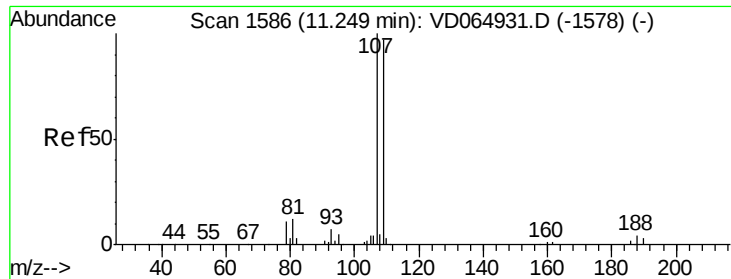
Tgt Ion: 43 Resp: 159603
Ion Ratio Lower Upper
43 100
58 50.6 26.5 79.4



#60
Dibromochloromethane
Concen: 18.69 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion: 129 Resp: 83155
Ion Ratio Lower Upper
129 100
127 78.9 38.2 114.6

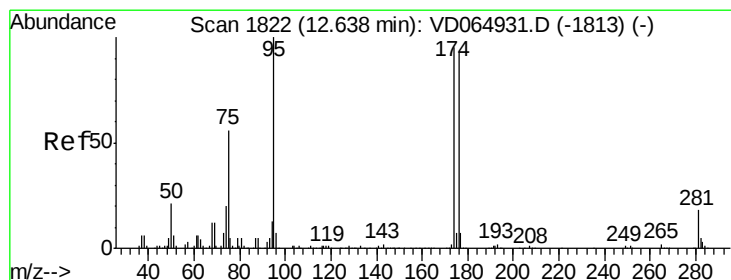
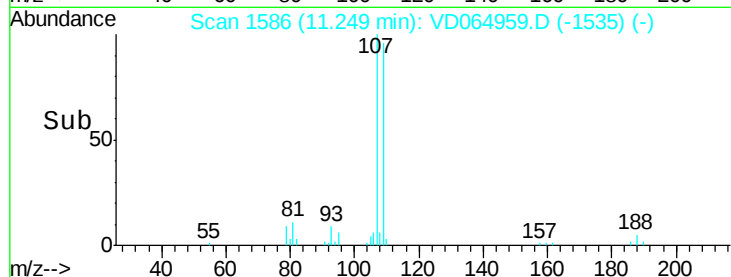
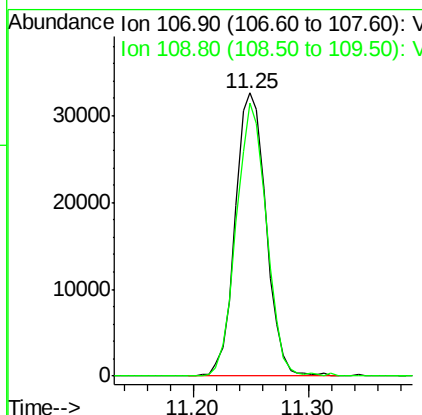
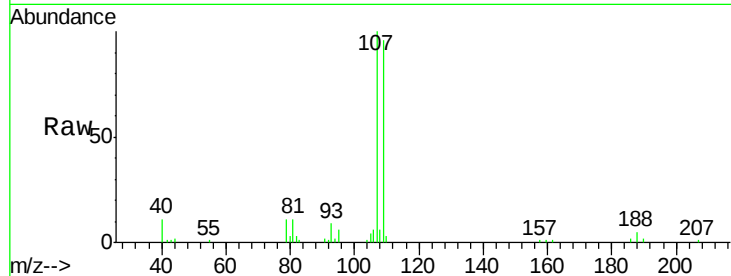




#61
 1,2-Dibromoethane
 Concen: 18.81 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

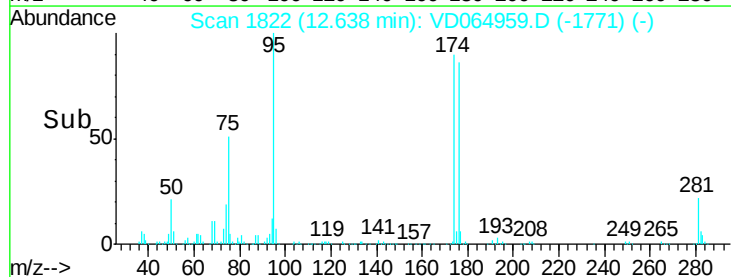
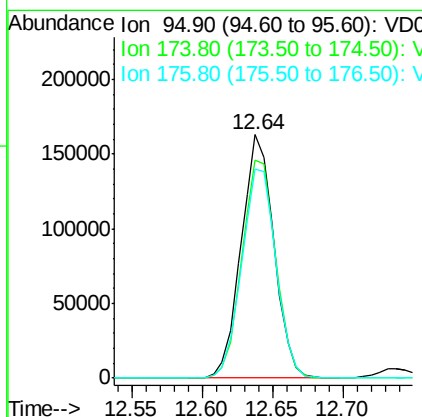
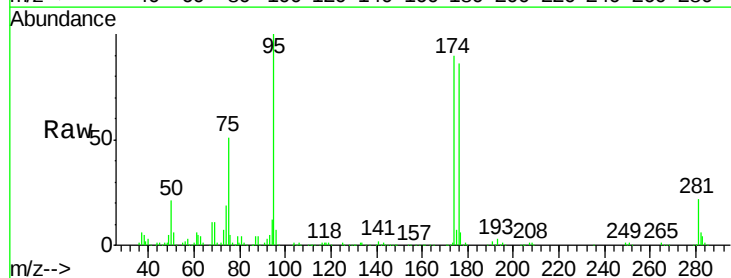
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Tgt Ion: 107 Resp: 60283
 Ion Ratio Lower Upper
 107 100
 109 94.7 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 50.87 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion: 95 Resp: 265405
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 186.8
 176 89.8 0.0 183.4

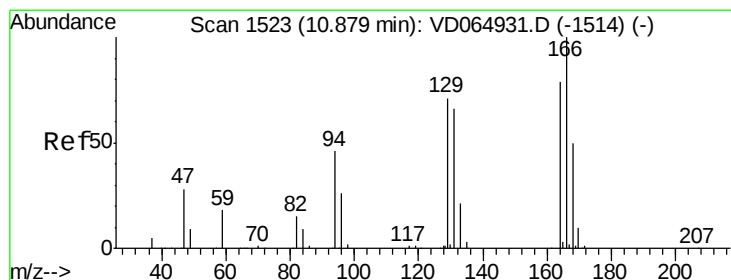
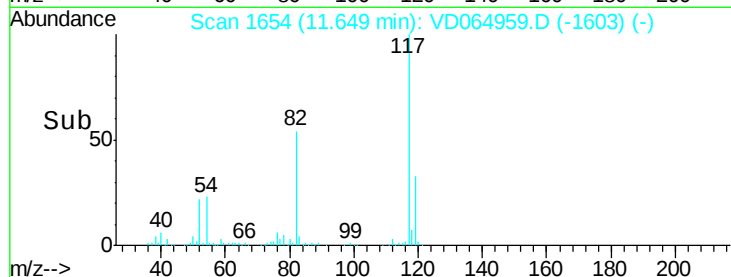
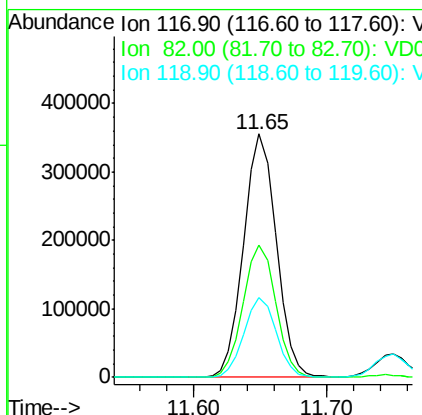
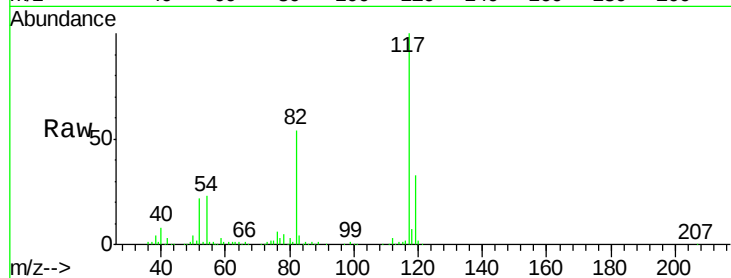




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

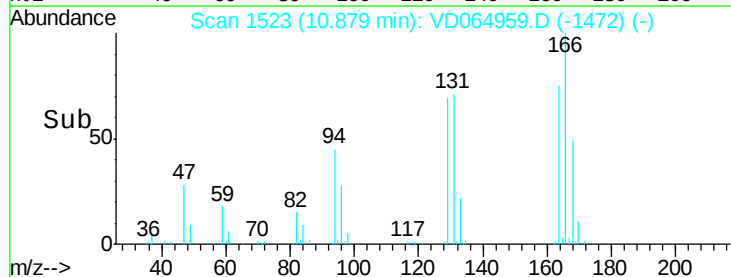
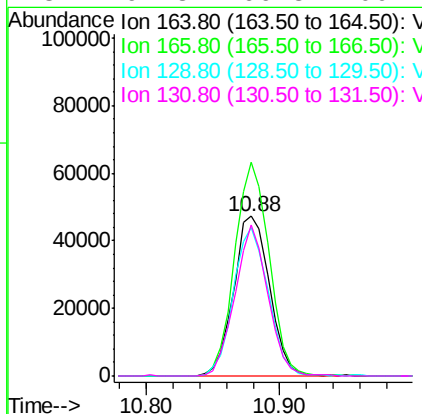
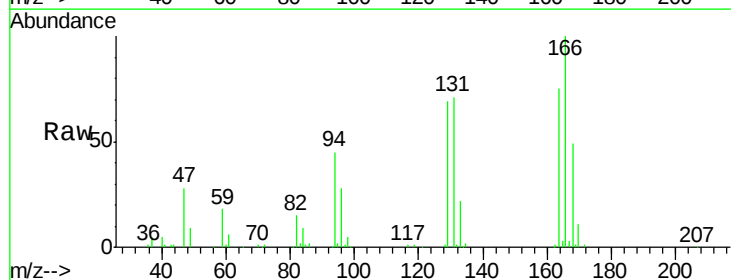
Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

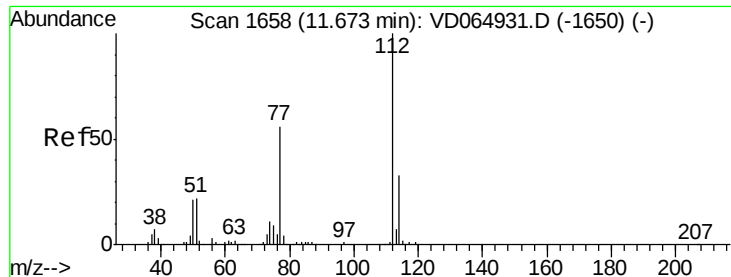
Tgt Ion:117 Resp: 604943
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.6 25.2 37.8



#64
Tetrachloroethene
Concen: 20.20 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion:164 Resp: 88290
Ion Ratio Lower Upper
164 100
166 133.6 101.4 152.2
129 92.8 71.8 107.8
131 94.3 66.8 100.2





#65

Chlorobenzene

Concen: 20.19 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

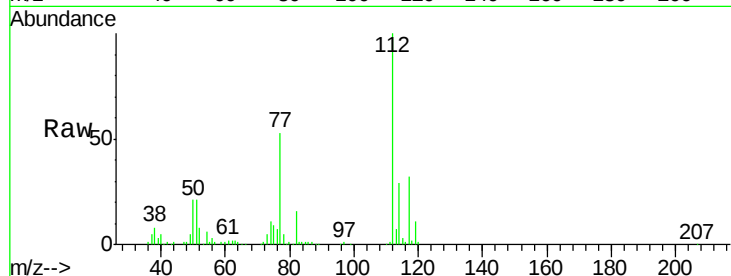
VD0127SBS01

Tgt Ion:112 Resp: 248047

Ion Ratio Lower Upper

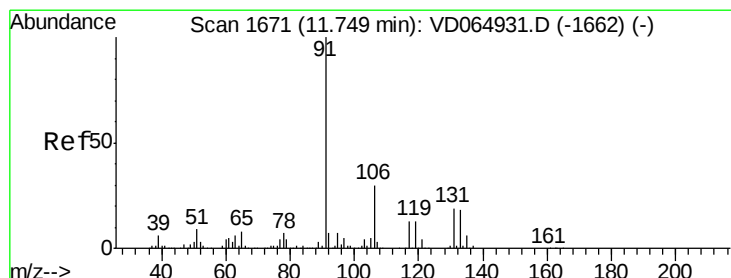
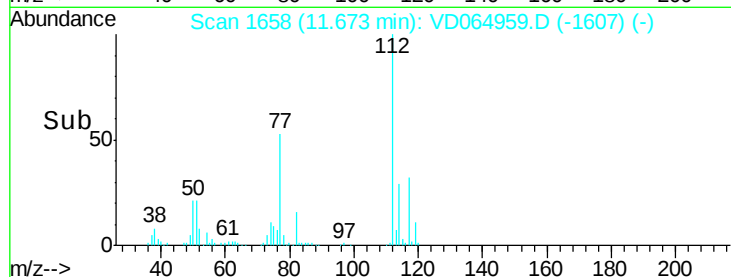
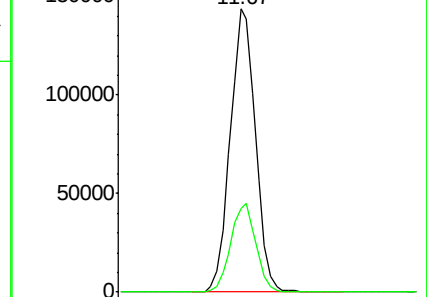
112 100

114 29.4 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.29 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

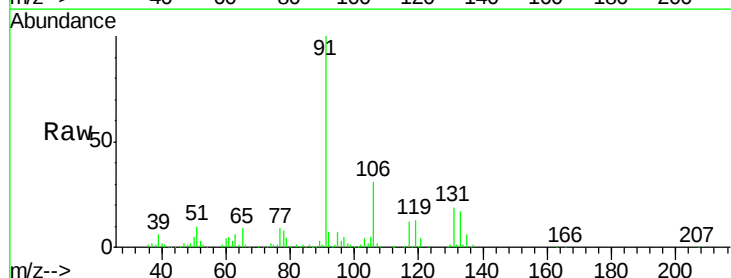
Tgt Ion:131 Resp: 89128

Ion Ratio Lower Upper

131 100

133 95.9 47.5 142.5

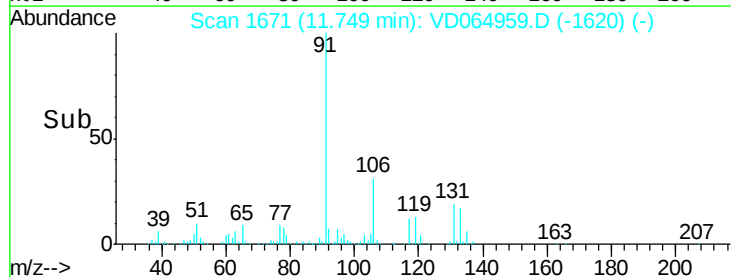
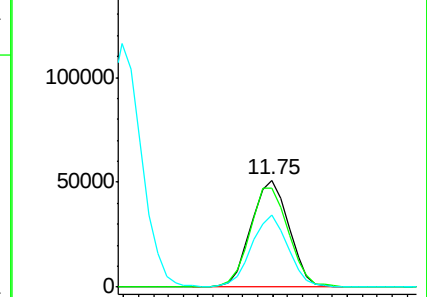
119 65.6 31.1 93.5

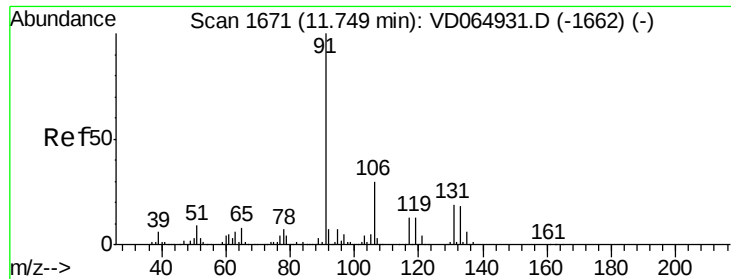


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.10 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

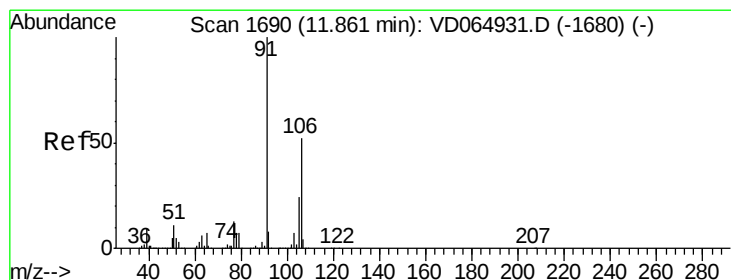
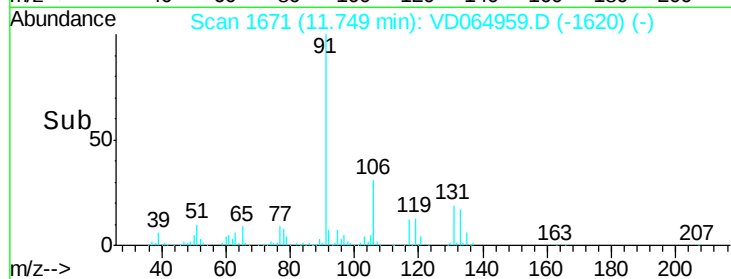
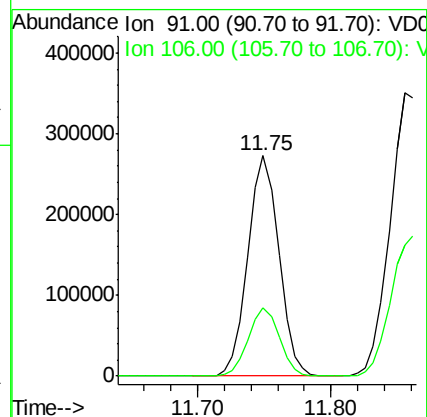
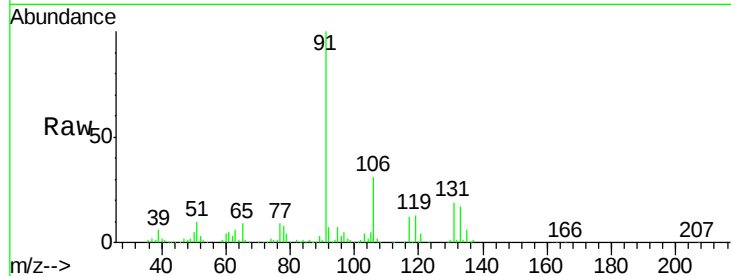
VD0127SBS01

Tgt Ion: 91 Resp: 438274

Ion Ratio Lower Upper

91 100

106 31.2 24.3 36.5



#68

m/p-Xylenes

Concen: 39.65 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD064959.D

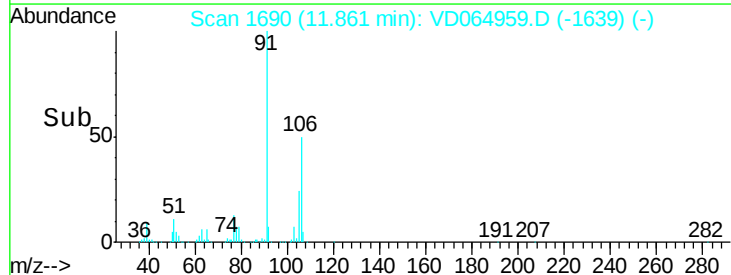
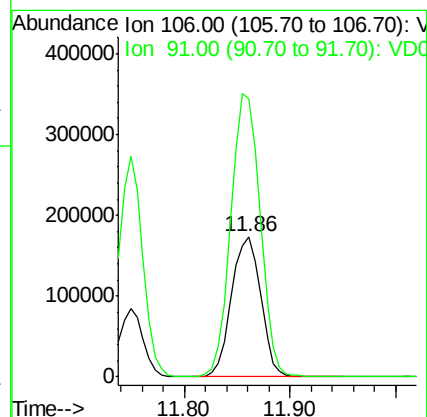
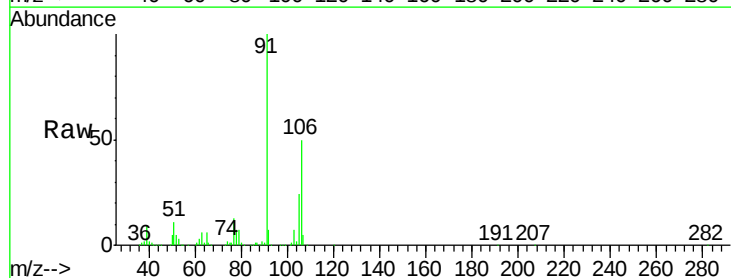
Acq: 27 Jan 2020 13:05

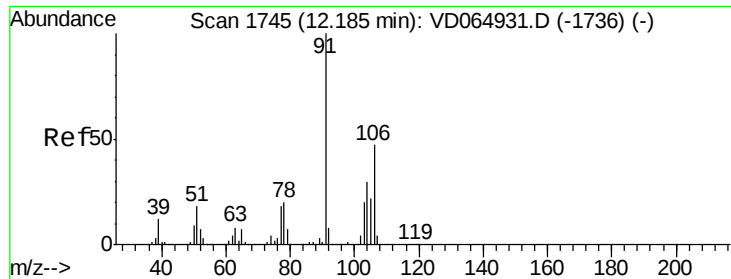
Tgt Ion: 106 Resp: 332911

Ion Ratio Lower Upper

106 100

91 202.4 159.0 238.4

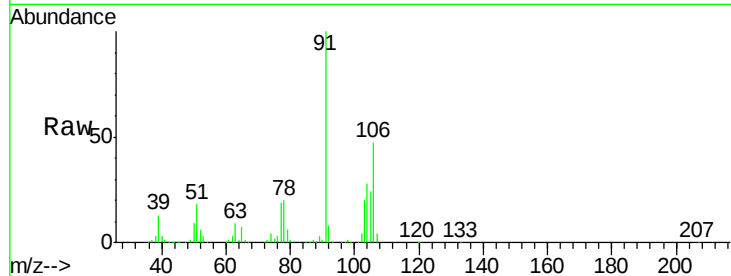




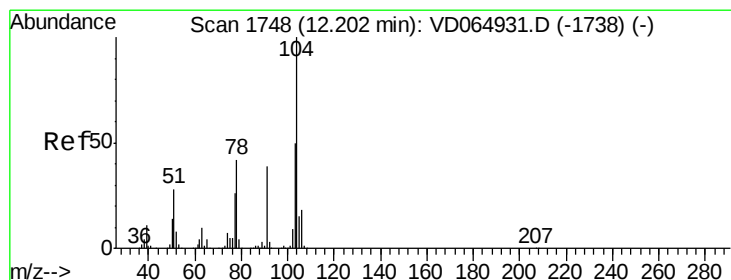
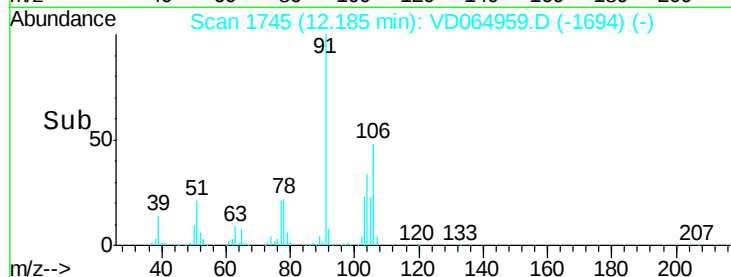
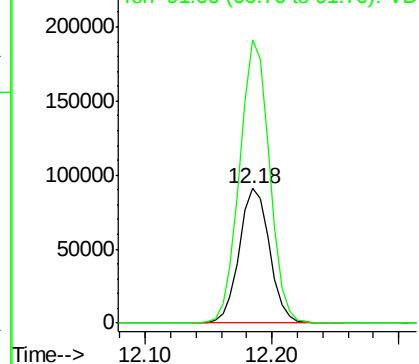
#69
o-Xylene
Concen: 20.20 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tgt Ion:106 Resp: 150524
Ion Ratio Lower Upper
106 100
91 207.1 106.7 319.9

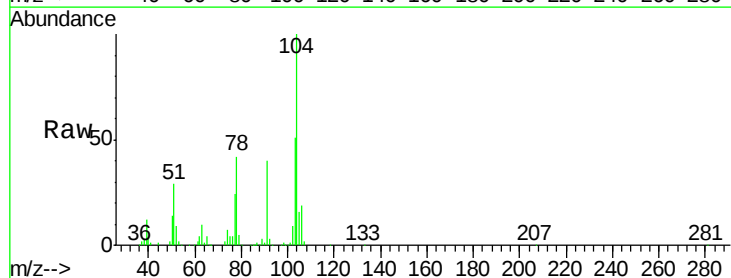


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

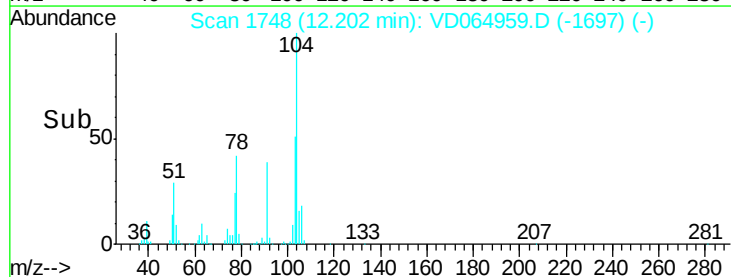
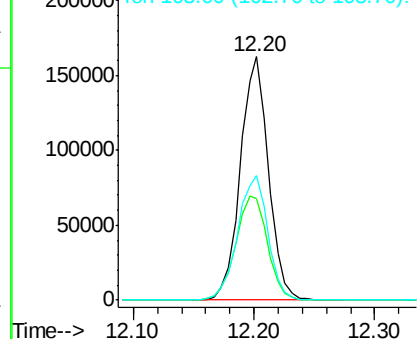


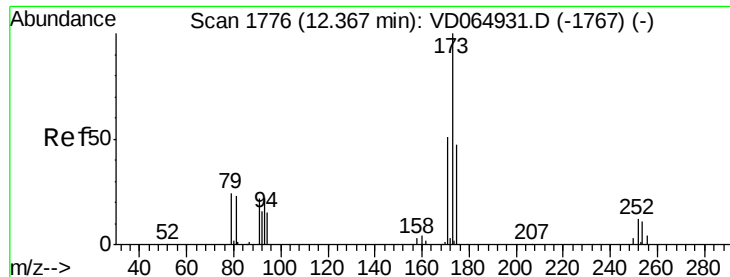
#70
Styrene
Concen: 19.81 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion:104 Resp: 262993
Ion Ratio Lower Upper
104 100
78 48.4 38.3 57.5
103 55.2 43.5 65.3



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

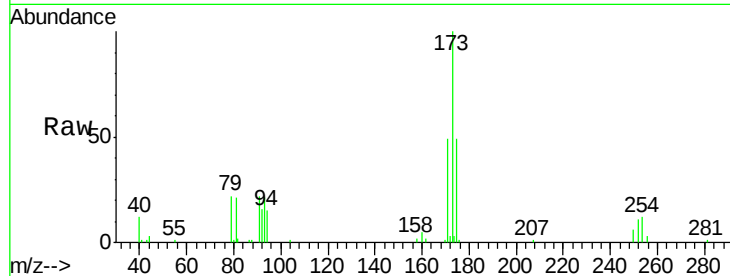




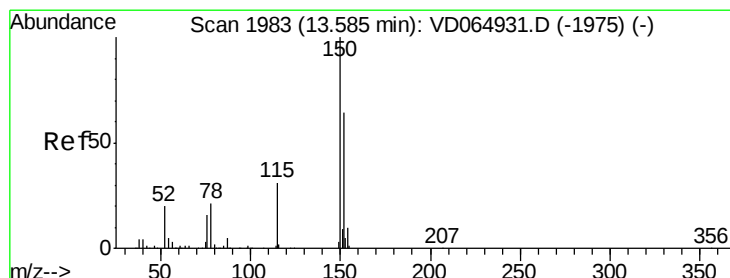
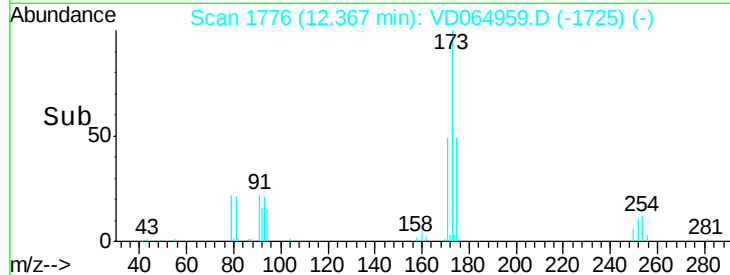
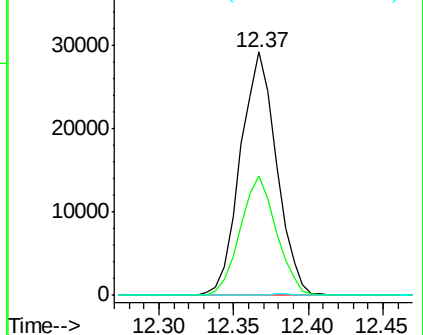
#71
Bromoform
Concen: 19.10 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tgt Ion:173 Resp: 49056
Ion Ratio Lower Upper
173 100
175 48.8 24.6 73.8
254 0.2 0.1 0.1#

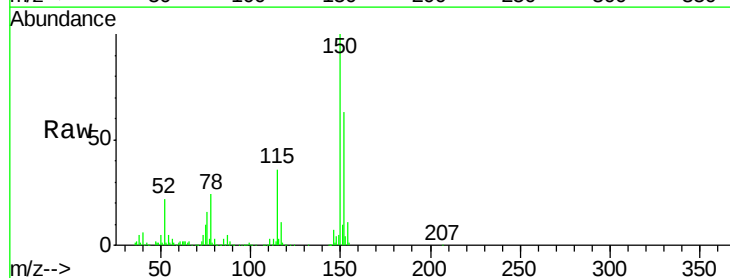


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

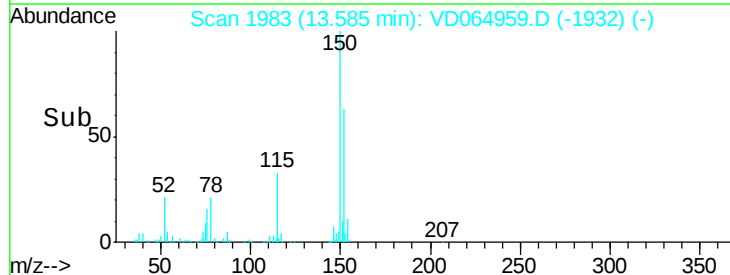
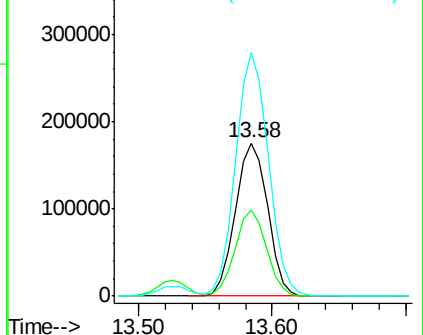


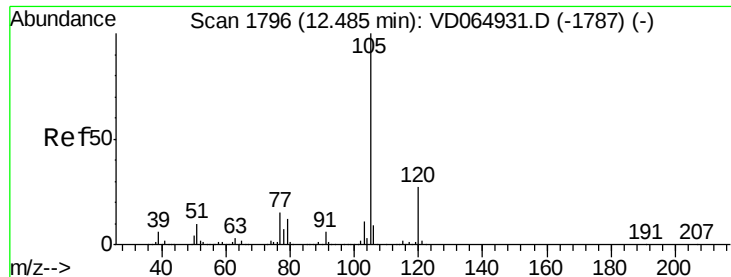
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion:152 Resp: 292955
Ion Ratio Lower Upper
152 100
115 55.0 28.1 84.4
150 162.4 0.0 350.4



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





#73

Isopropylbenzene

Concen: 20.44 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

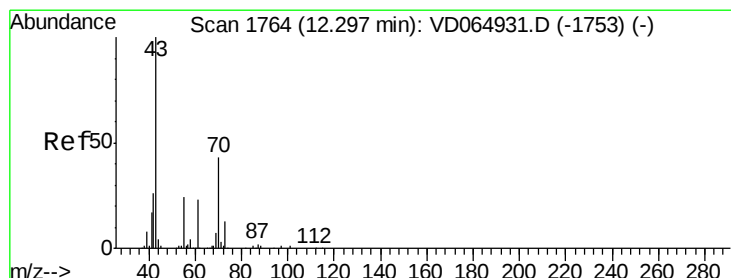
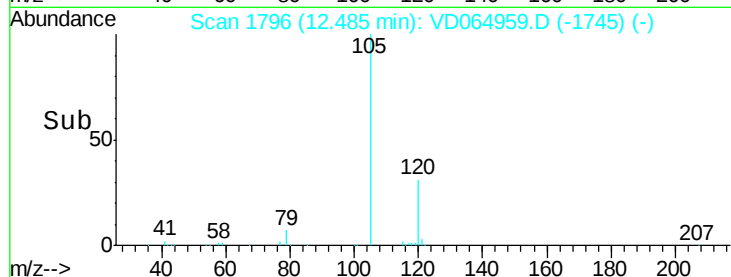
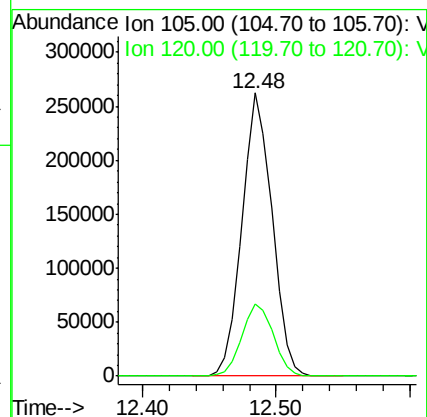
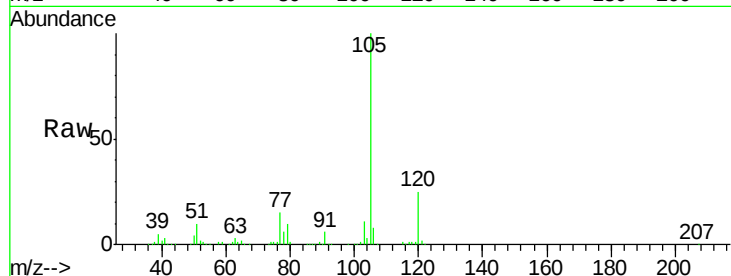
VD0127SBS01

Tgt Ion: 105 Resp: 409257

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 18.04 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Tgt Ion: 43 Resp: 80827

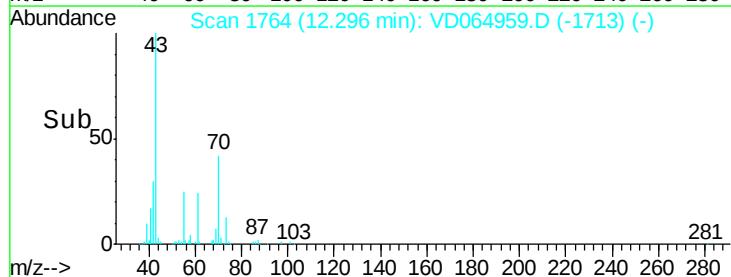
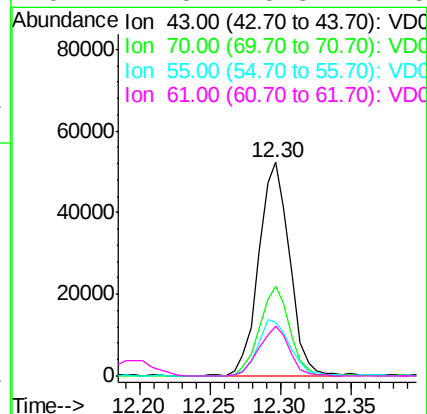
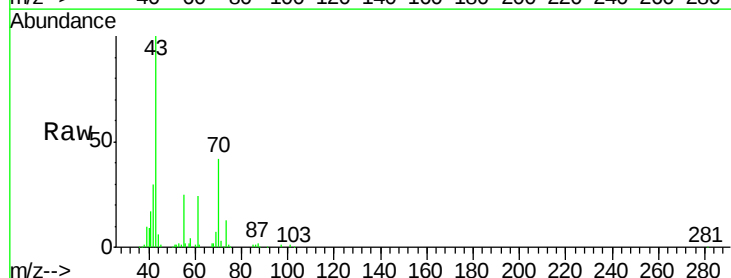
Ion Ratio Lower Upper

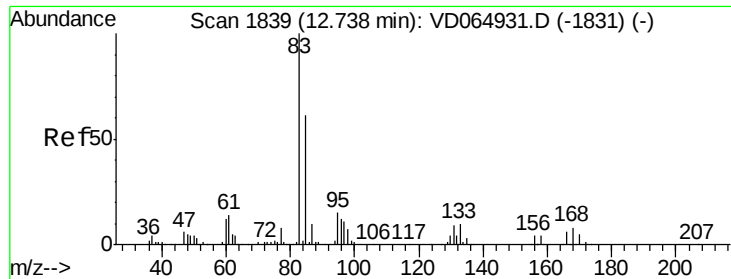
43 100

70 41.1 32.6 49.0

55 27.6 19.9 29.9

61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.47 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

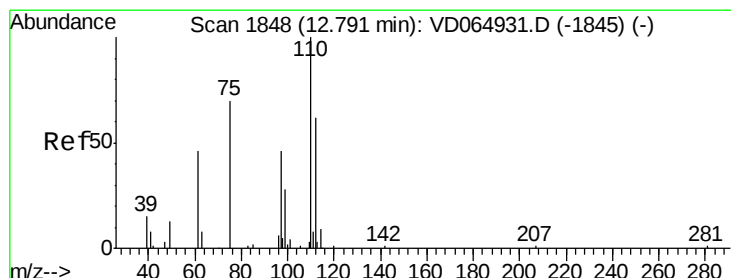
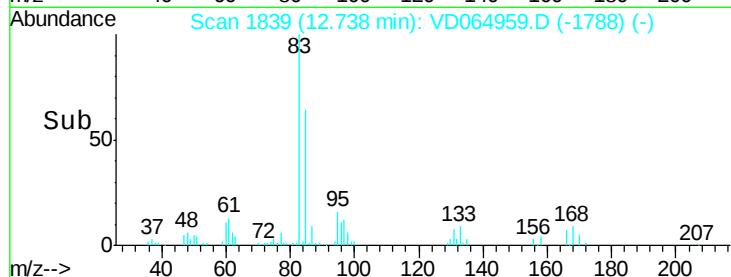
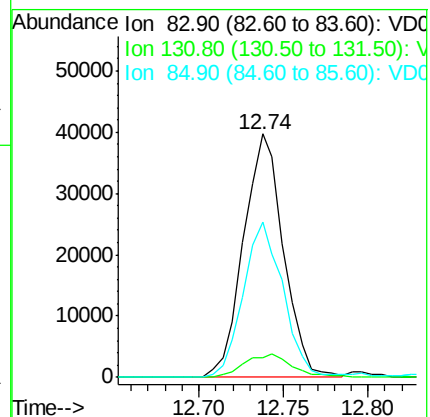
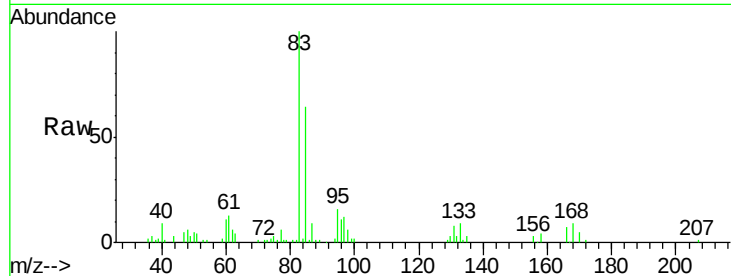
Tgt Ion: 83 Resp: 65529

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

85 63.4 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 36.25 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064959.D

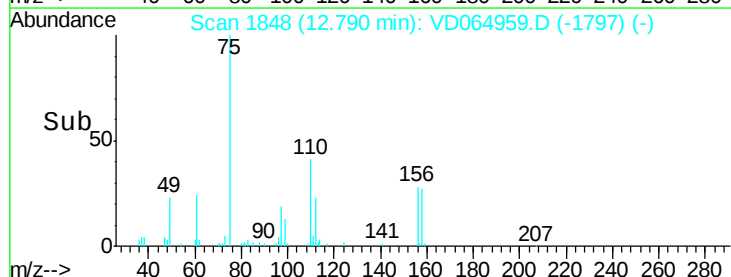
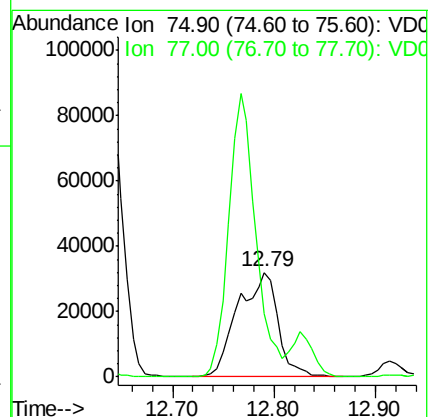
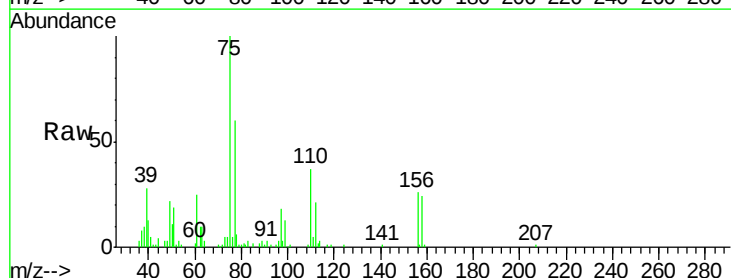
Acq: 27 Jan 2020 13:05

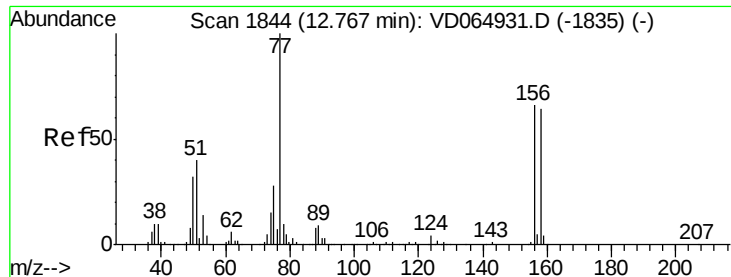
Tgt Ion: 75 Resp: 88133

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.24 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

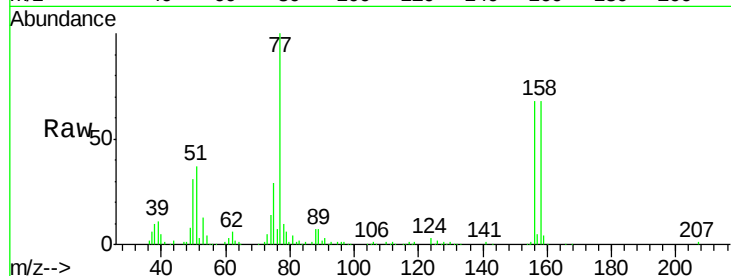
Tgt Ion:156 Resp: 99151

Ion Ratio Lower Upper

156 100

77 162.3 84.2 252.5

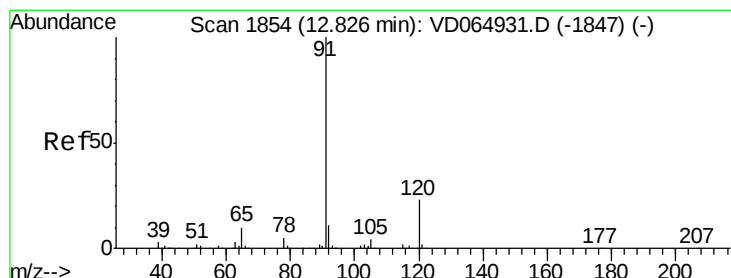
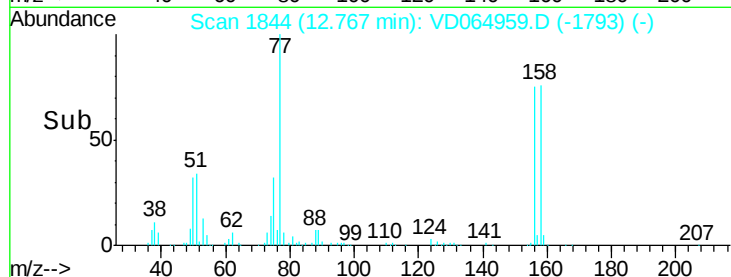
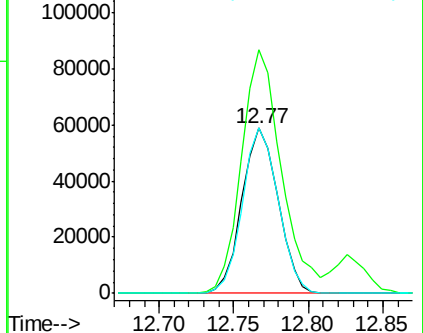
158 98.8 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.52 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064959.D

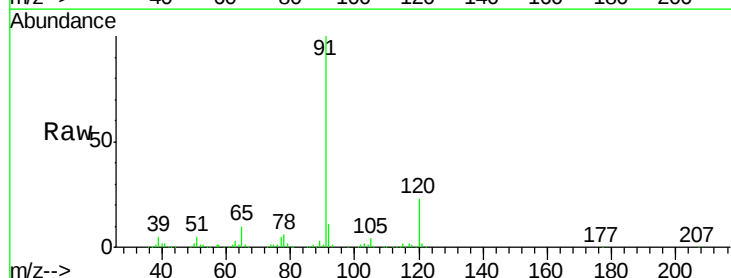
Acq: 27 Jan 2020 13:05

Tgt Ion: 91 Resp: 488637

Ion Ratio Lower Upper

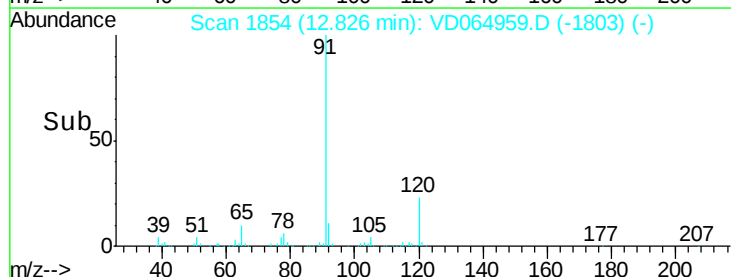
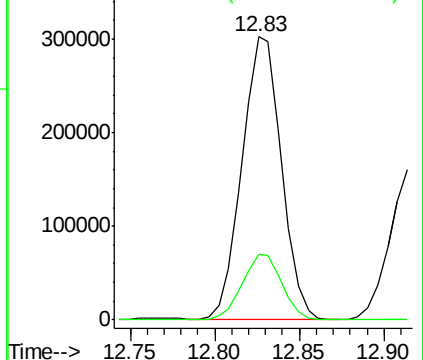
91 100

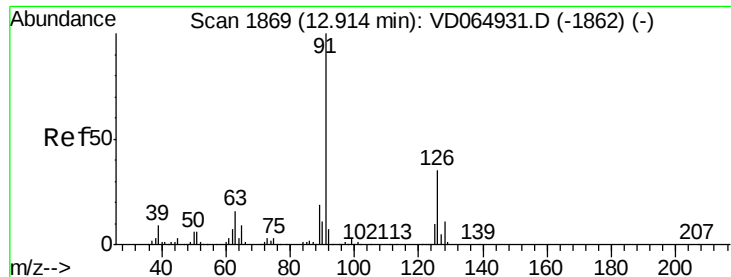
120 23.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.27 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

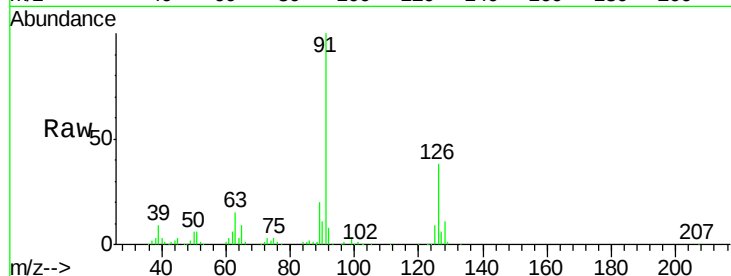
VD0127SBS01

Tgt Ion: 91 Resp: 264728

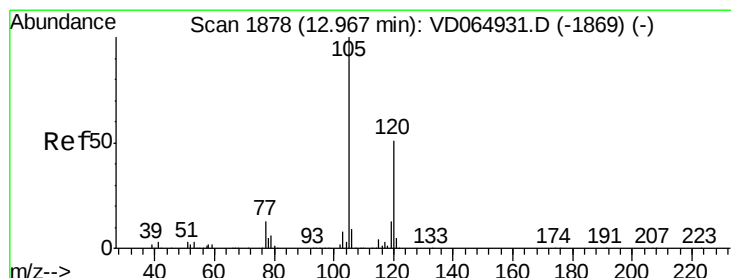
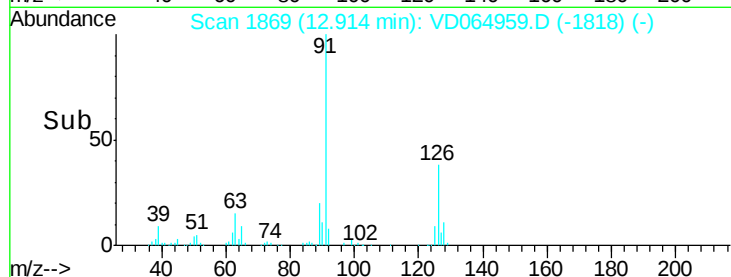
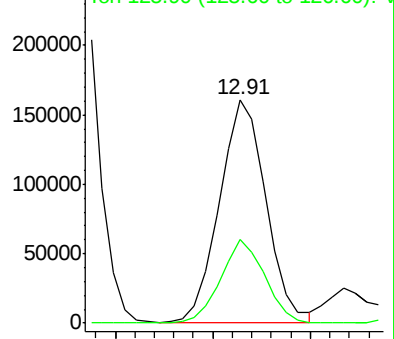
Ion Ratio Lower Upper

91 100

126 35.5 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.83 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064959.D

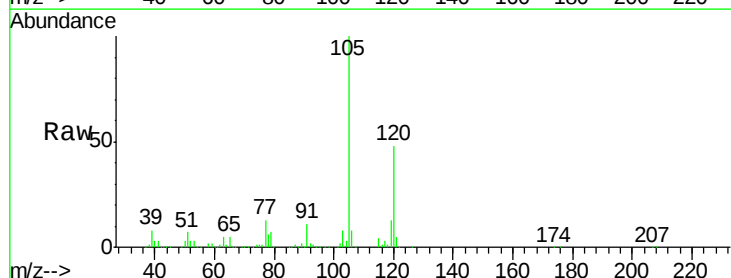
Acq: 27 Jan 2020 13:05

Tgt Ion: 105 Resp: 341816

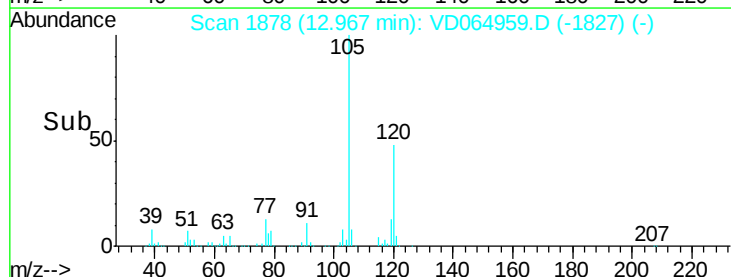
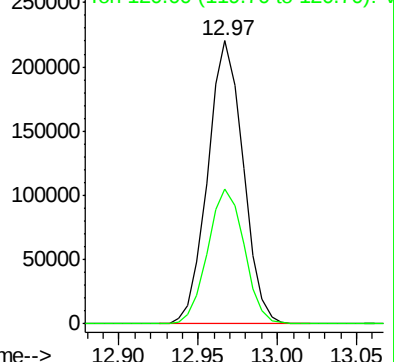
Ion Ratio Lower Upper

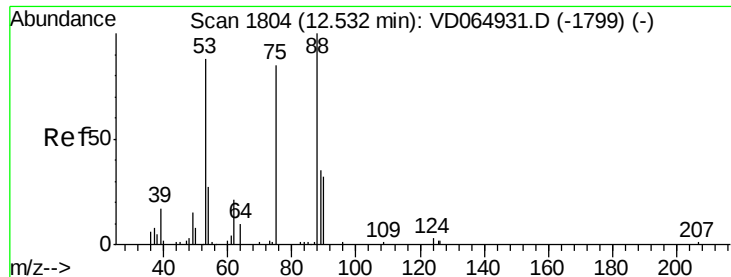
105 100

120 49.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.95 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

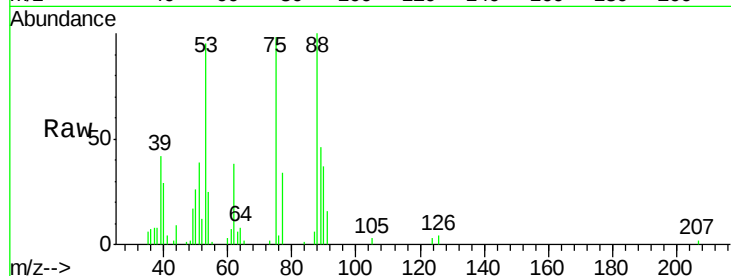
Tgt Ion: 75 Resp: 20445

Ion Ratio Lower Upper

75 100

53 106.8 81.0 121.4

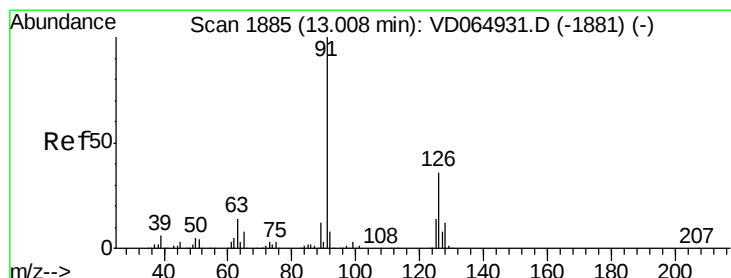
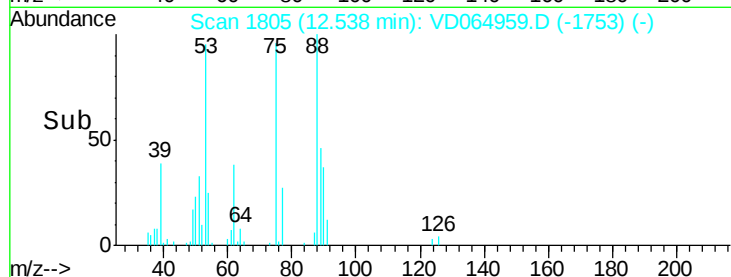
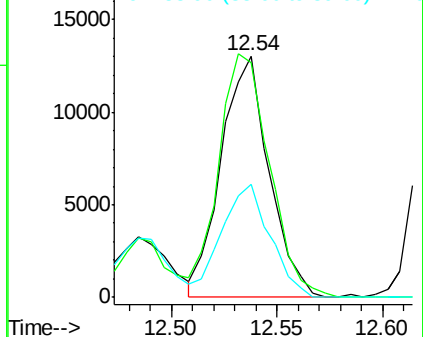
89 47.6 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.61 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064959.D

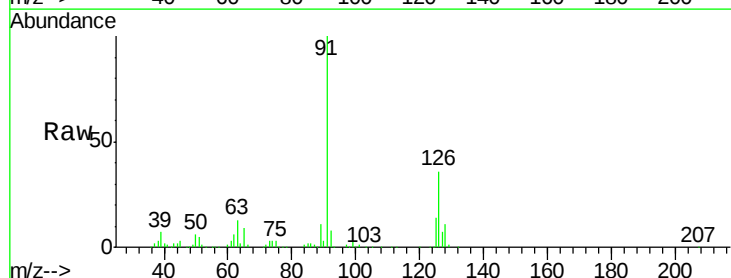
Acq: 27 Jan 2020 13:05

Tgt Ion: 91 Resp: 285482

Ion Ratio Lower Upper

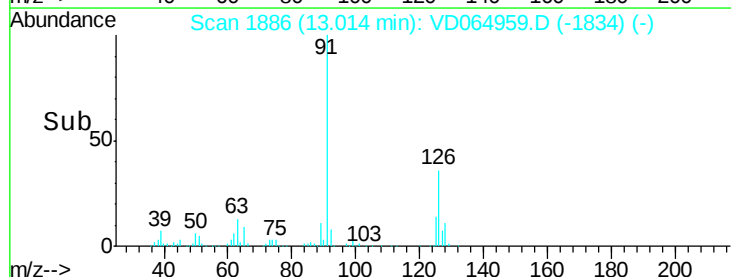
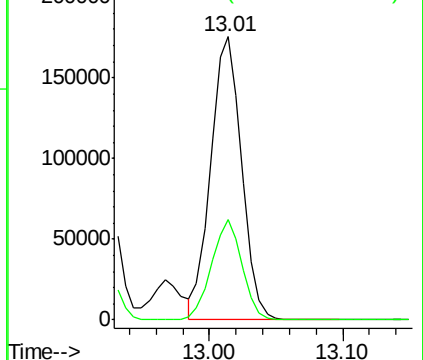
91 100

126 34.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

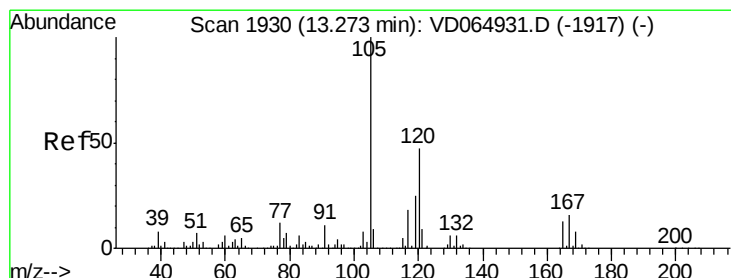
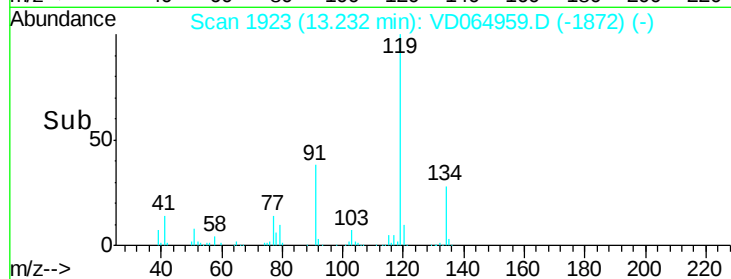
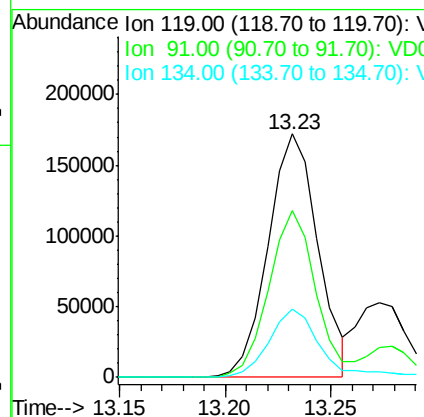
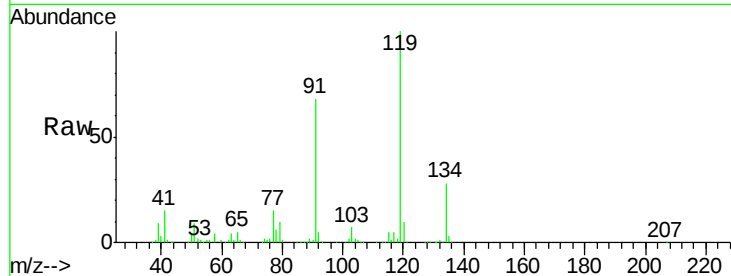




#83
 tert-Butylbenzene
 Concen: 20.26 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

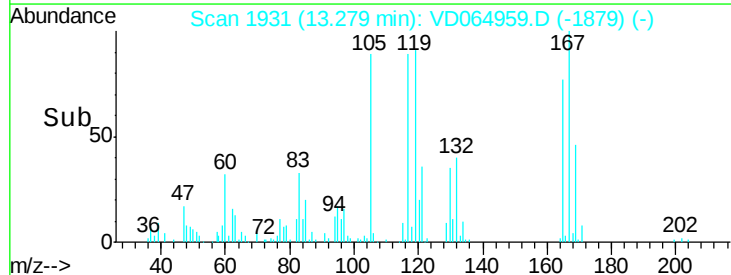
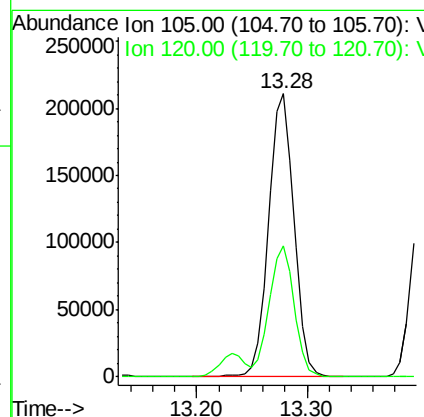
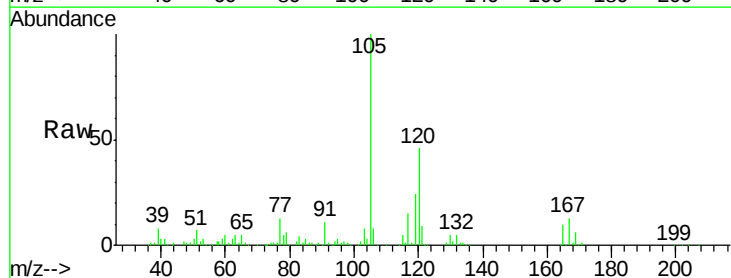
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

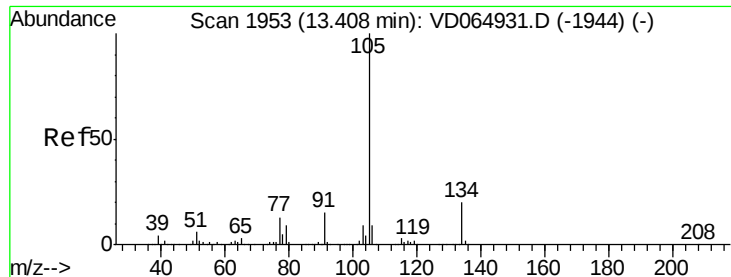
Tgt Ion:119 Resp: 282183
 Ion Ratio Lower Upper
 119 100
 91 65.3 32.0 96.0
 134 29.0 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.46 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion:105 Resp: 340079
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.3

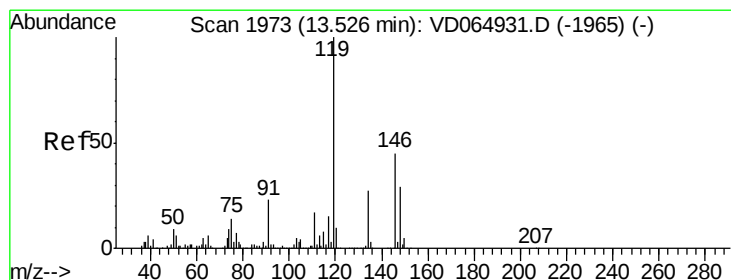
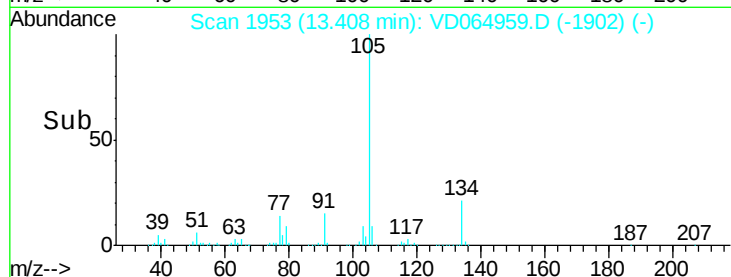
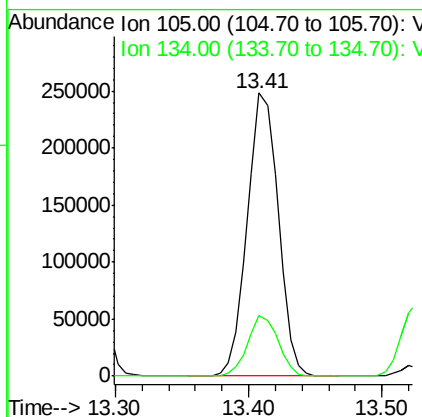
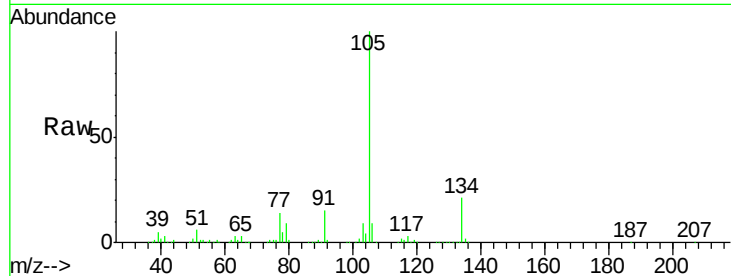




#85
 sec-Butylbenzene
 Concen: 20.21 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

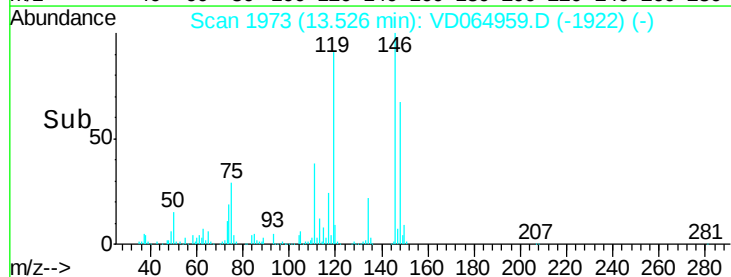
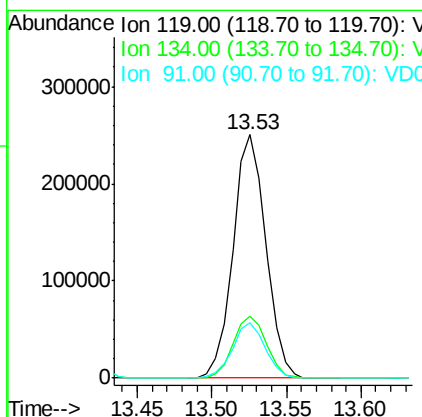
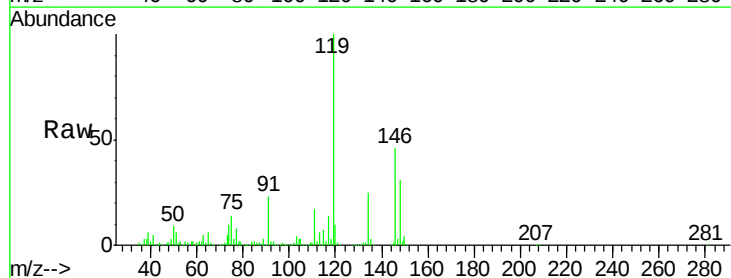
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

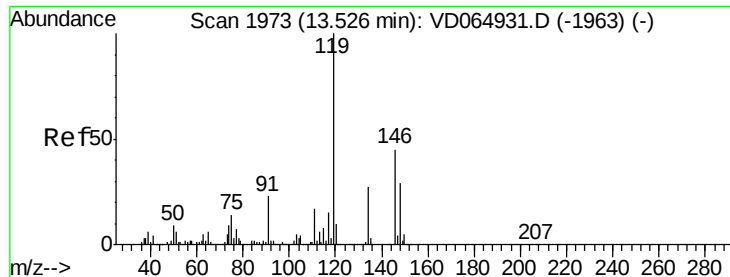
Tgt Ion:105 Resp: 398379
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 20.73 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion:119 Resp: 382412
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.3 39.9
 91 22.6 11.4 34.2

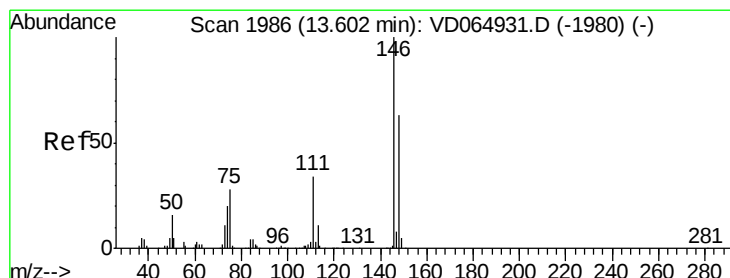
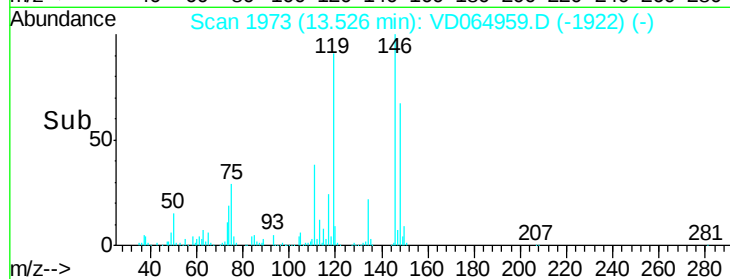
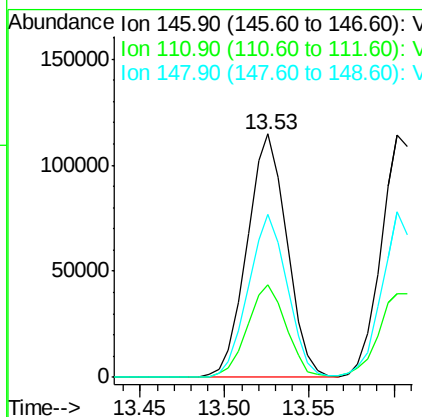
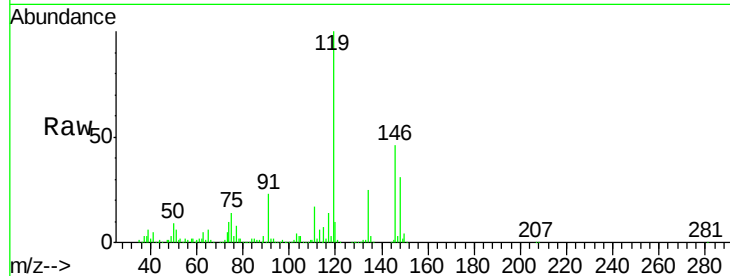




#87
 1,3-Dichlorobenzene
 Concen: 20.01 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

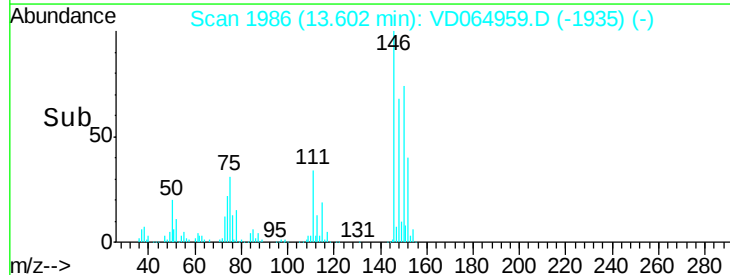
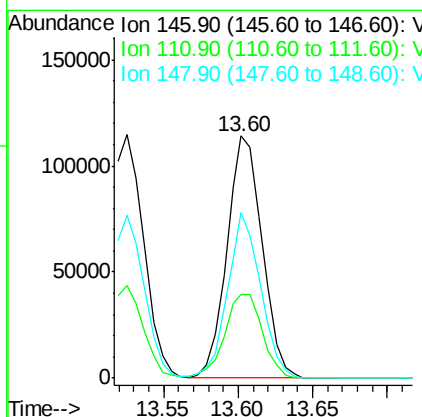
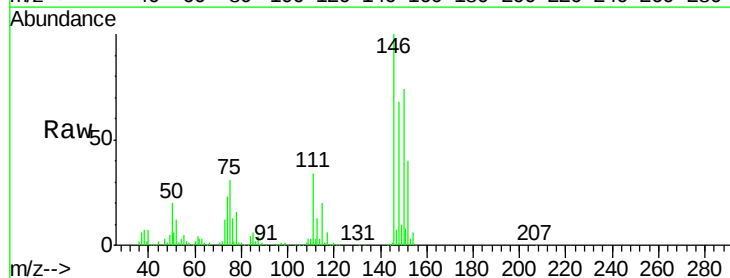
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

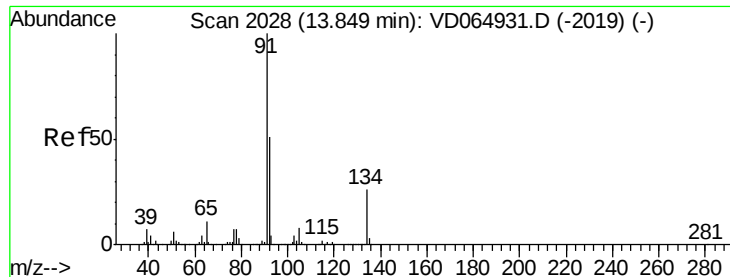
Tgt Ion:146 Resp: 188090
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.9 56.9
 148 65.7 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 20.16 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion:146 Resp: 188118
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.2 54.6
 148 64.1 32.0 96.0





#89

n-Butylbenzene

Concen: 20.71 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064959.D

Acq: 27 Jan 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBS01

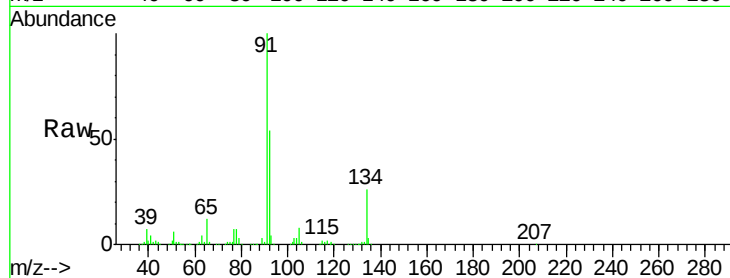
Tgt Ion: 91 Resp: 348692

Ion Ratio Lower Upper

91 100

92 52.8 26.4 79.0

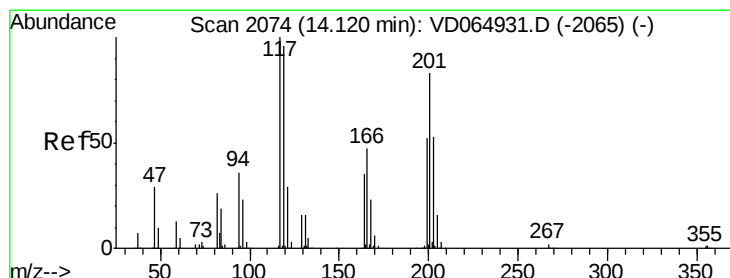
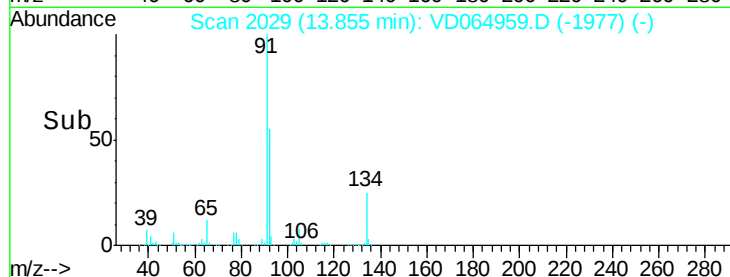
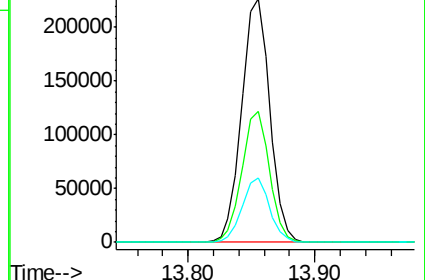
134 26.0 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 20.69 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD064959.D

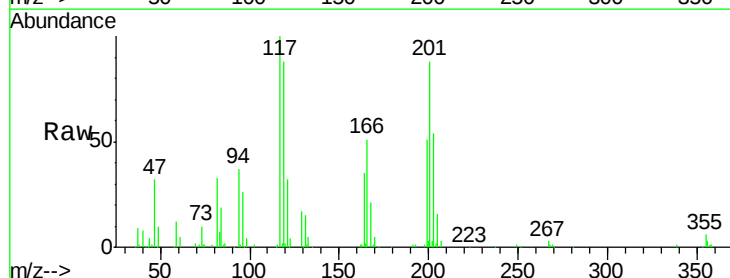
Acq: 27 Jan 2020 13:05

Tgt Ion: 117 Resp: 73608

Ion Ratio Lower Upper

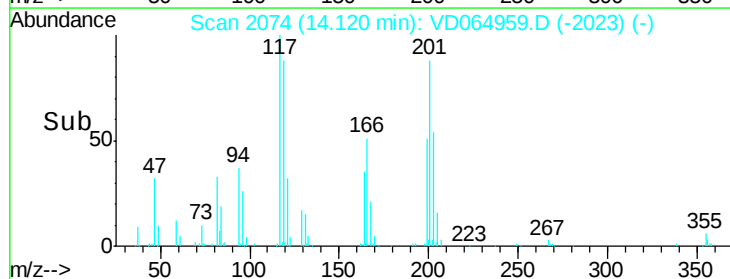
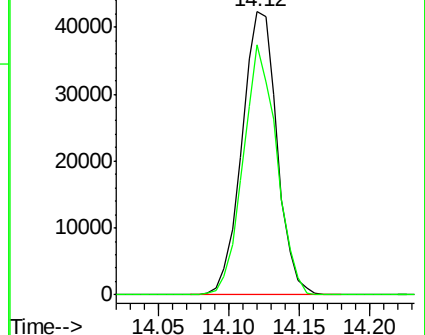
117 100

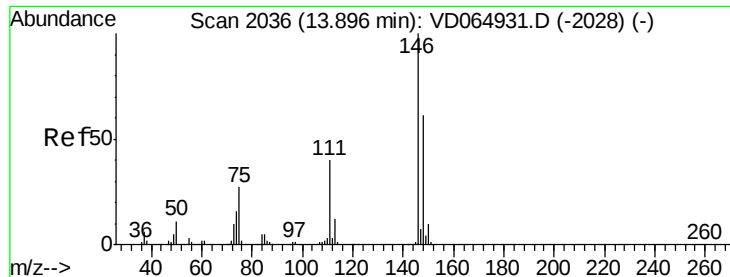
201 84.1 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

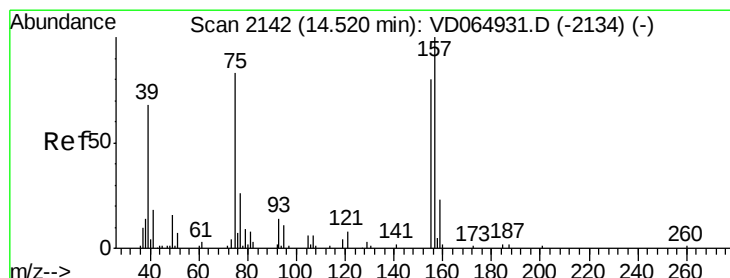
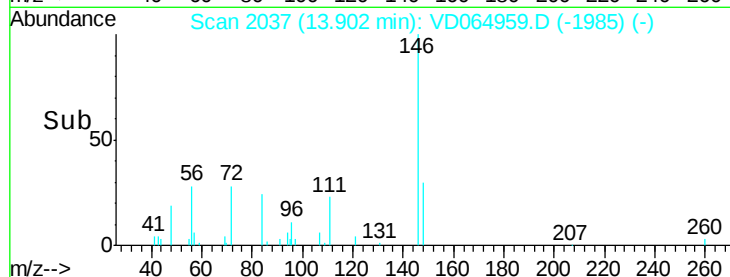
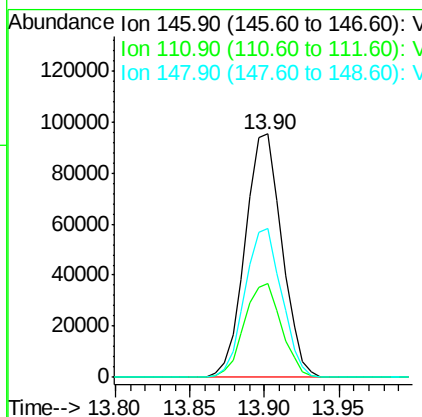
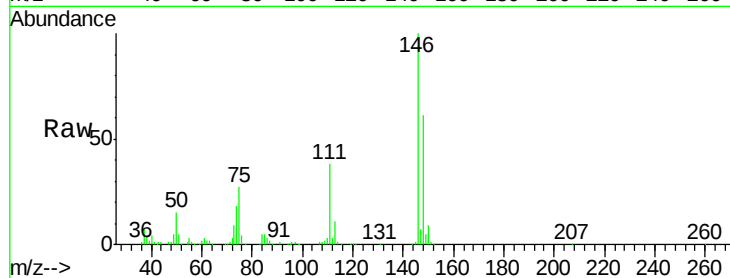




#91
 1,2-Dichlorobenzene
 Concen: 20.33 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

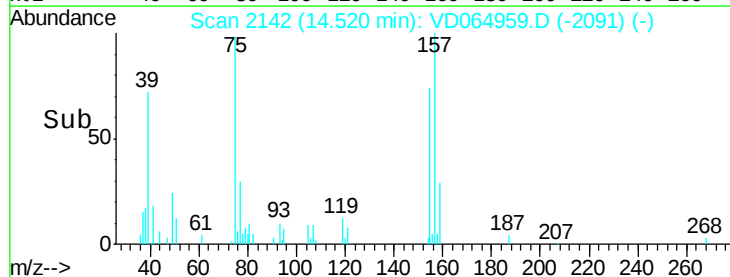
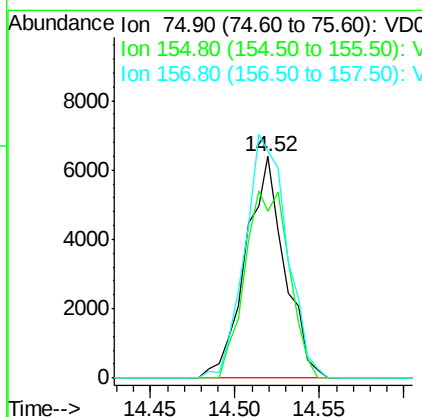
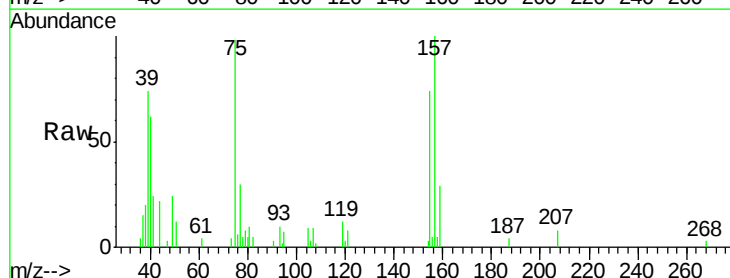
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

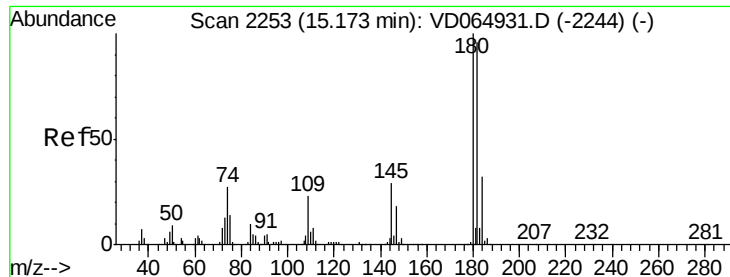
Tgt Ion: 146 Resp: 162259
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.4 58.2
 148 61.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.18 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion: 75 Resp: 10331
 Ion Ratio Lower Upper
 75 100
 155 94.9 44.9 134.7
 157 118.1 58.9 176.6

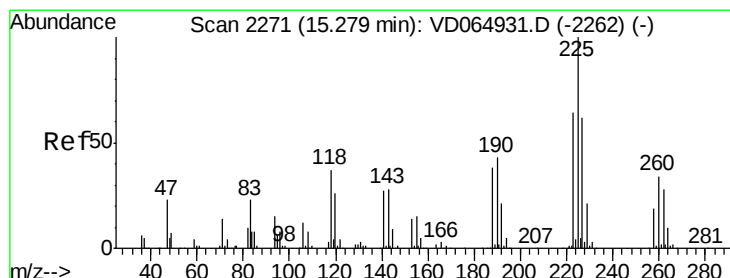
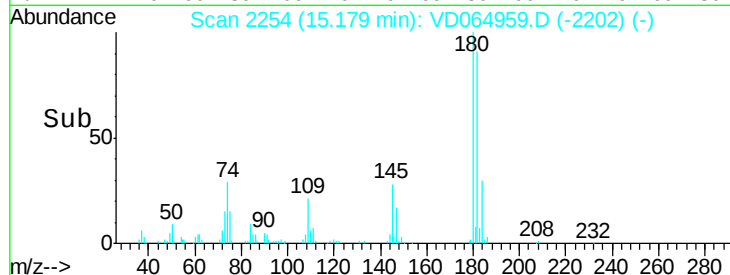
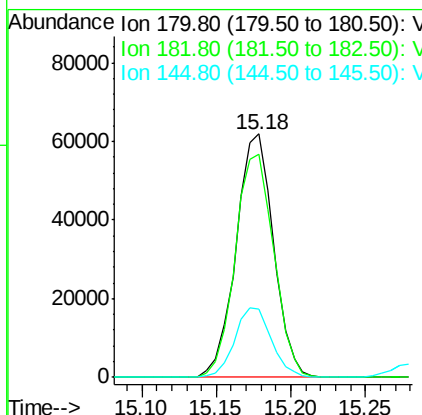
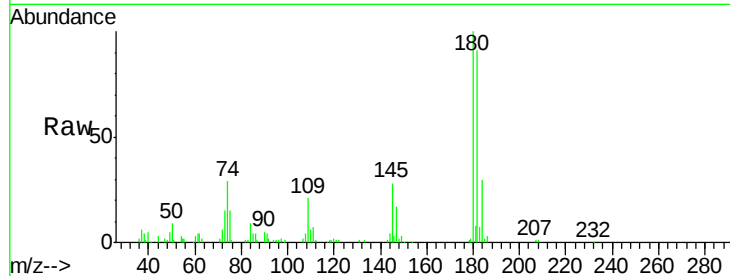




#93
 1,2,4-Trichlorobenzene
 Concen: 19.50 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

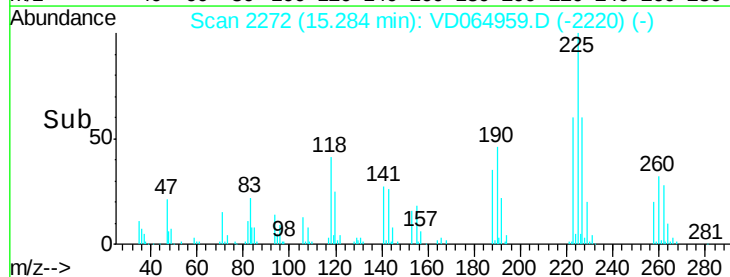
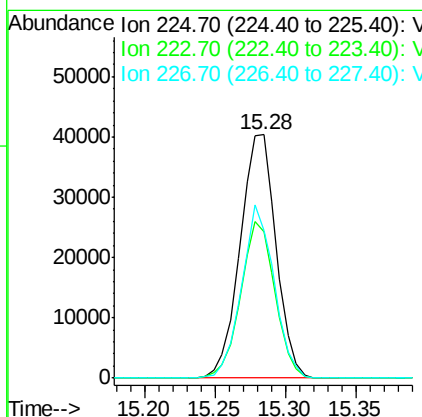
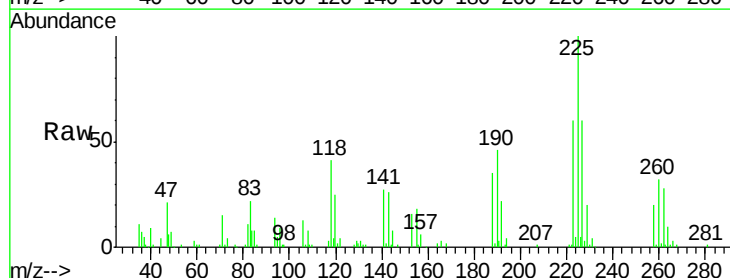
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

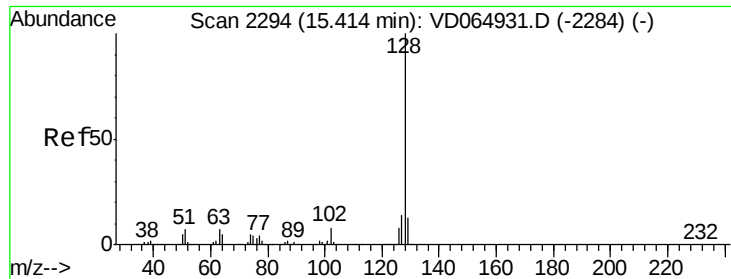
Tgt Ion:180 Resp: 107637
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.1 141.4
 145 28.1 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 20.61 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064959.D
 Acq: 27 Jan 2020 13:05

Tgt Ion:225 Resp: 71967
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.4 97.2
 227 64.2 31.9 95.9

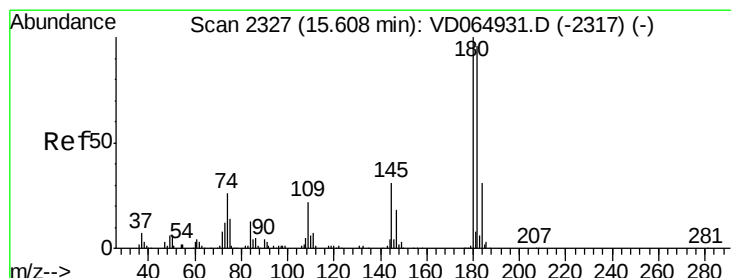
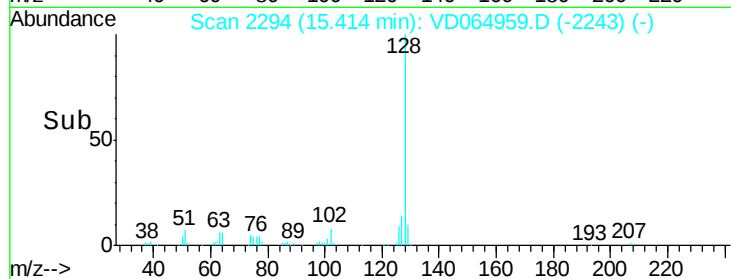
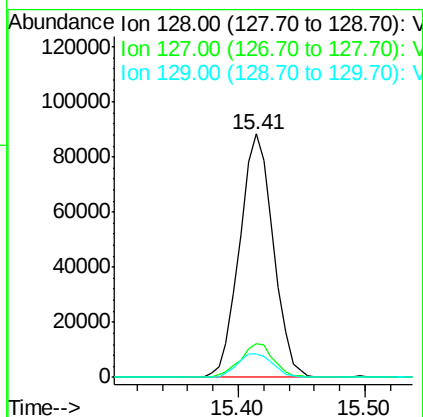
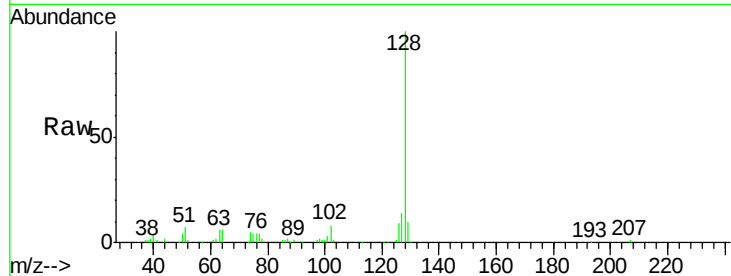




#95
Naphthalene
Concen: 18.23 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBS01

Tgt Ion:128 Resp: 162464
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 10.2 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 19.20 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064959.D
Acq: 27 Jan 2020 13:05

Tgt Ion:180 Resp: 91892
Ion Ratio Lower Upper
180 100
182 96.0 47.3 141.8
145 30.7 14.6 43.8

