

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
 Data File : VD066495.D
 Acq On : 01 Sep 2020 14:49
 Operator : VA/SY
 Sample : VD0901SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBS01

Quant Time: Sep 02 01:06:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	160717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	209084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	195392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	105354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	85757	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
35) Dibromofluoromethane	7.91	113	69322	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.34	98	254098	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.63	95	91409	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	29075	21.280	ug/l	99
3) Chloromethane	2.21	50	16434	16.968	ug/l	91
4) Vinyl Chloride	2.34	62	20139	19.367	ug/l	98
5) Bromomethane	2.75	94	16706	21.479	ug/l	98
6) Chloroethane	2.92	64	13887	20.856	ug/l	93
7) Trichlorofluoromethane	3.27	101	64872	22.942	ug/l	96
8) Diethyl Ether	3.70	74	12075	19.059	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.10	101	27904	19.996	ug/l	99
10) Methyl Iodide	4.30	142	26335	16.546	ug/l	91
11) Tert butyl alcohol	5.20	59	7766	51.042	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	24838	18.962	ug/l	91
13) Acrolein	3.92	56	2661	38.031	ug/l	92
14) Allyl chloride	4.71	41	27305	15.617	ug/l #	76
15) Acrylonitrile	5.42	53	22226	87.437	ug/l	94
16) Acetone	4.16	43	26038	91.662	ug/l	98
17) Carbon Disulfide	4.40	76	63835	16.080	ug/l	98
18) Methyl Acetate	4.71	43	8236	15.448	ug/l #	84
19) Methyl tert-butyl Ether	5.47	73	65370	20.725	ug/l	93
20) Methylene Chloride	4.96	84	32259	17.082	ug/l #	94
21) trans-1,2-Dichloroethene	5.47	96	27979	18.349	ug/l	98
22) Diisopropyl ether	6.36	45	54005	15.954	ug/l #	87
23) Vinyl Acetate	6.30	43	178548	85.202	ug/l	95
24) 1,1-Dichloroethane	6.26	63	43591	18.222	ug/l	98
25) 2-Butanone	7.21	43	26462	82.056	ug/l #	85
26) 2,2-Dichloropropane	7.20	77	59604	23.247	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	30214	18.493	ug/l	96
28) Bromochloromethane	7.54	49	12316	14.947	ug/l	89
29) Tetrahydrofuran	7.56	42	13646	74.500	ug/l #	85
30) Chloroform	7.70	83	55039	19.886	ug/l	91
31) Cyclohexane	7.98	56	35314	16.141	ug/l #	80
32) 1,1,1-Trichloroethane	7.90	97	63591	22.449	ug/l	98
36) 1,1-Dichloropropene	8.11	75	38462	20.161	ug/l	99
37) Ethyl Acetate	7.29	43	11576	17.841	ug/l #	92
38) Carbon Tetrachloride	8.10	117	61481	24.736	ug/l	98

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Instrument :
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 VD0901SBS01

Quant Time: Sep 02 01:06:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	45816	20.387	ug/l	96
40) Benzene	8.34	78	102230	20.370	ug/l	94
41) Methacrylonitrile	7.52	41	5354	13.380	ug/l #	70
42) 1,2-Dichloroethane	8.42	62	43384	24.544	ug/l	96
43) Isopropyl Acetate	8.45	43	23864	18.324	ug/l #	91
44) Trichloroethene	9.11	130	35898	22.013	ug/l	90
45) 1,2-Dichloropropane	9.38	63	21049	18.500	ug/l	93
46) Dibromomethane	9.47	93	14523	20.501	ug/l	95
47) Bromodichloromethane	9.66	83	45376	23.292	ug/l #	96
48) Methyl methacrylate	9.45	41	13503	20.106	ug/l	88
49) 1,4-Dioxane	9.46	88	3441	418.326	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	59759	94.852	ug/l	99
52) Toluene	10.40	92	73915	21.739	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	39620	21.433	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	42407	20.438	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	19150	19.969	ug/l	89
56) Ethyl methacrylate	10.66	69	22403	20.180	ug/l	92
57) 1,3-Dichloropropane	10.94	76	31476	19.842	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	42426	92.014	ug/l #	84
59) 2-Hexanone	10.98	43	42342	95.279	ug/l	99
60) Dibromochloromethane	11.14	129	31302	21.654	ug/l	98
61) 1,2-Dibromoethane	11.24	107	18873	19.998	ug/l	99
64) Tetrachloroethene	10.87	164	33431	22.555	ug/l	95
65) Chlorobenzene	11.67	112	83219	21.408	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	33834	21.298	ug/l	100
67) Ethyl Benzene	11.74	91	145027	21.194	ug/l	97
68) m/p-Xylenes	11.86	106	115804	44.401	ug/l	97
69) o-Xylene	12.18	106	51885	21.384	ug/l	100
70) Styrene	12.20	104	91491	21.961	ug/l	99
71) Bromoform	12.36	173	20177	22.387	ug/l #	98
73) Isopropylbenzene	12.48	105	151016	21.398	ug/l	99
74) N-amyl acetate	12.28	43	22797	17.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	19084	18.929	ug/l	93
76) 1,2,3-Trichloropropane	12.78	75	28365	38.271	ug/l #	1
77) Bromobenzene	12.76	156	39272	21.924	ug/l	92
78) n-propylbenzene	12.82	91	168794	20.859	ug/l	96
79) 2-Chlorotoluene	12.91	91	95216	20.602	ug/l	95
80) 1,3,5-Trimethylbenzene	12.96	105	131523	21.584	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	6603	18.911	ug/l	88
82) 4-Chlorotoluene	13.01	91	102018	20.834	ug/l	98
83) tert-Butylbenzene	13.23	119	119740	22.623	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	132899	22.205	ug/l	100
85) sec-Butylbenzene	13.40	105	147592	21.283	ug/l	97
86) p-Isopropyltoluene	13.52	119	149241	22.319	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	73408	21.954	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	73280	21.827	ug/l	99
89) n-Butylbenzene	13.84	91	123945	21.005	ug/l	98
90) Hexachloroethane	14.11	117	26268	19.886	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	63948	22.215	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4591	21.711	ug/l	91

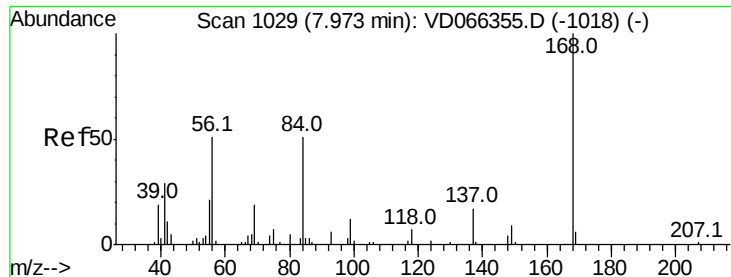
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
Data File : VD066495.D
Acq On : 01 Sep 2020 14:49
Operator : VA/SY
Sample : VD0901SBS01
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Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

Quant Time: Sep 02 01:06:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	48654	21.651	ug/l	98
94) Hexachlorobutadiene	15.27	225	31392	22.479	ug/l	98
95) Naphthalene	15.41	128	74775	21.185	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	41230	21.417	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

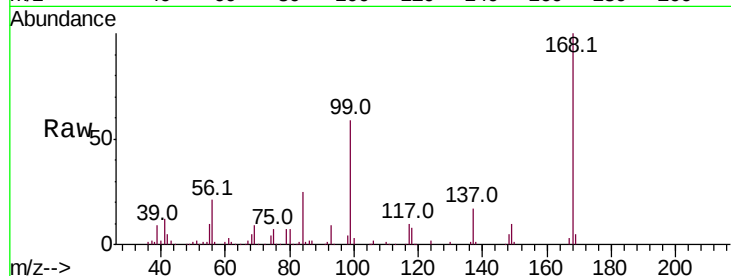
VD0901SBS01

Tot Ion:168 Resp: 160717

Ion Ratio Lower Upper

168 100

99 58.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

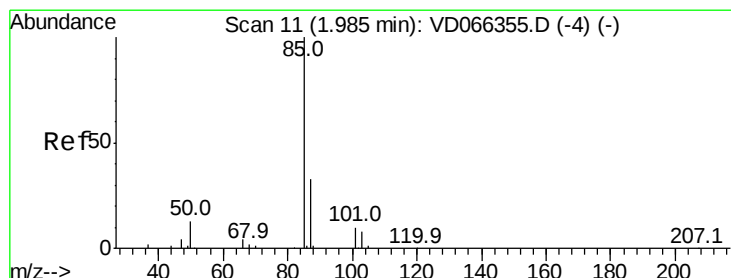
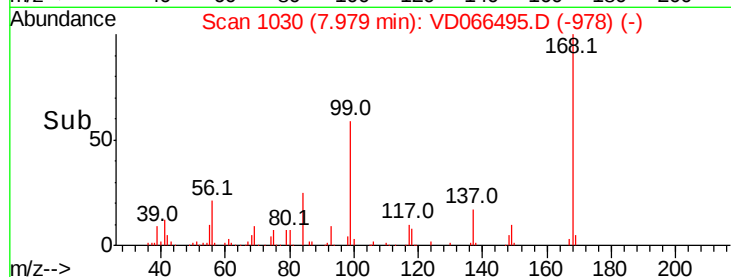
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.280 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066495.D

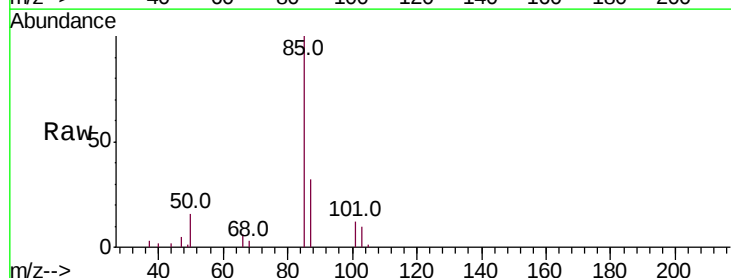
Acq: 01 Sep 2020 14:49

Tgt Ion: 85 Resp: 29075

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

20000

15000

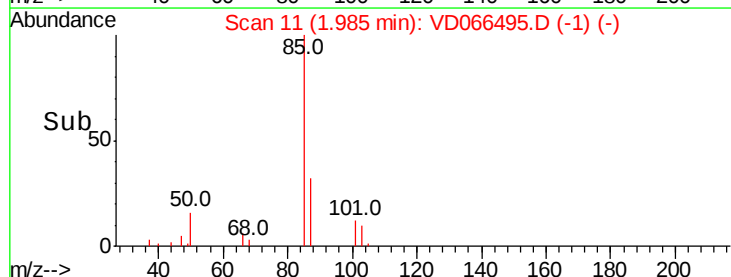
10000

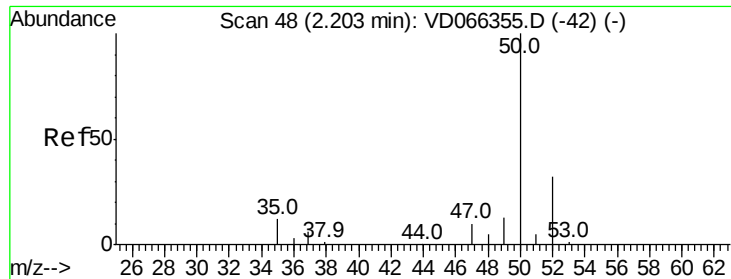
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 16.968 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

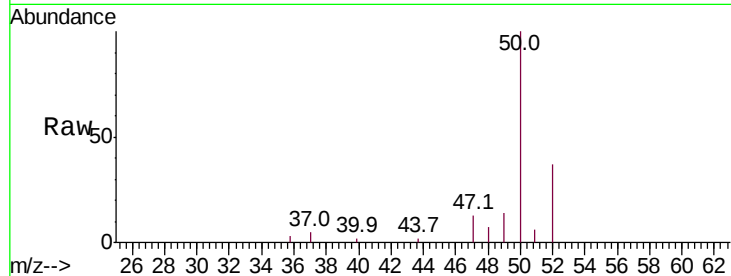
VD0901SBS01

Tot Ion: 50 Resp: 16434

Ion Ratio Lower Upper

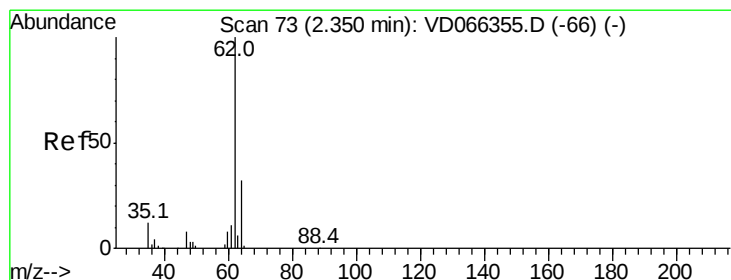
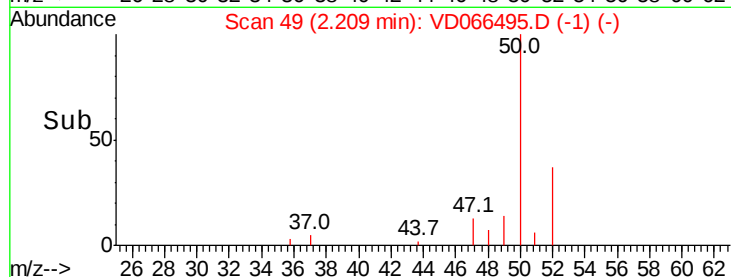
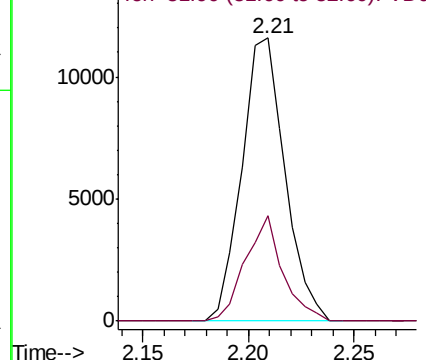
50 100

52 37.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.367 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066495.D

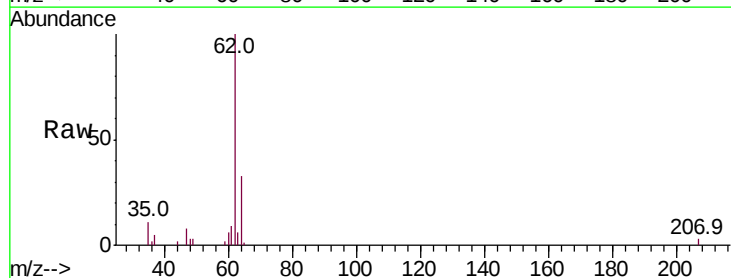
Acq: 01 Sep 2020 14:49

Tgt Ion: 62 Resp: 20139

Ion Ratio Lower Upper

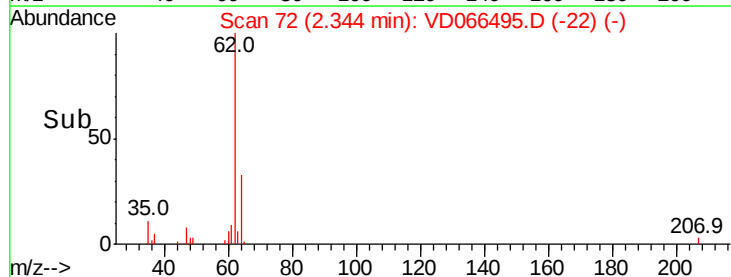
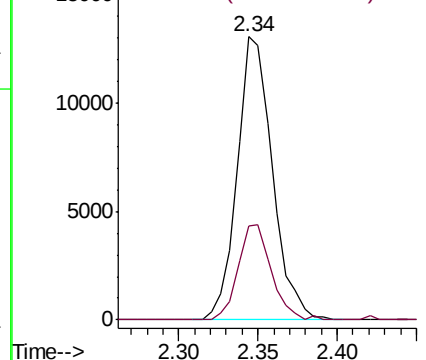
62 100

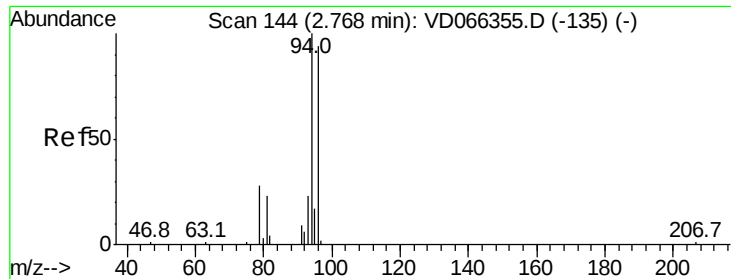
64 33.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.479 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

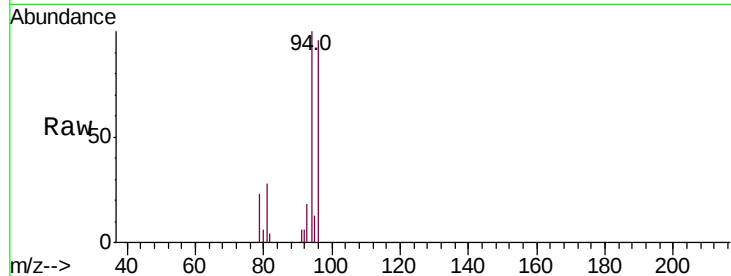
VD0901SBS01

Tot Ion: 94 Resp: 16706

Ion Ratio Lower Upper

94 100

96 96.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

8000

6000

4000

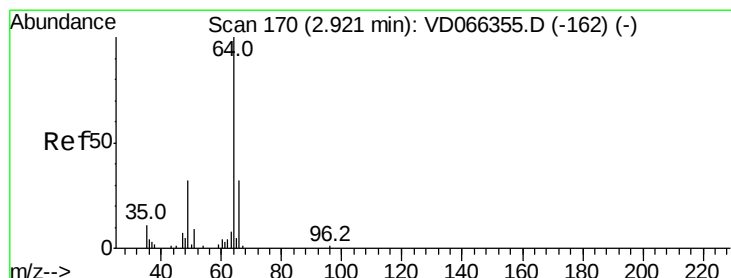
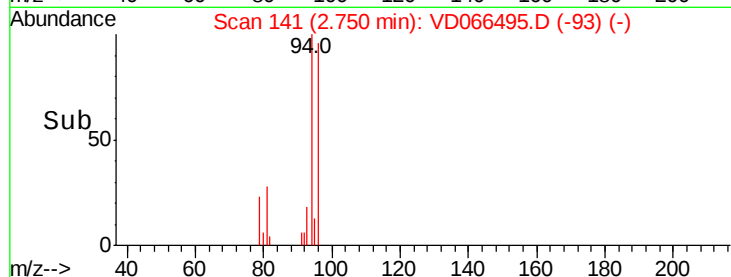
2000

0

Time-->

2.65 2.70 2.75 2.80 2.85

2.75



#6

Chloroethane

Concen: 20.856 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066495.D

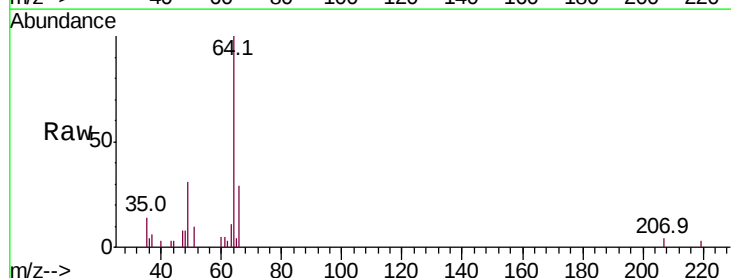
Acq: 01 Sep 2020 14:49

Tgt Ion: 64 Resp: 13887

Ion Ratio Lower Upper

64 100

66 28.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

6000

4000

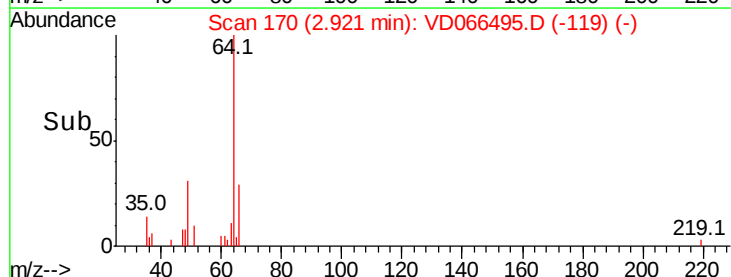
2000

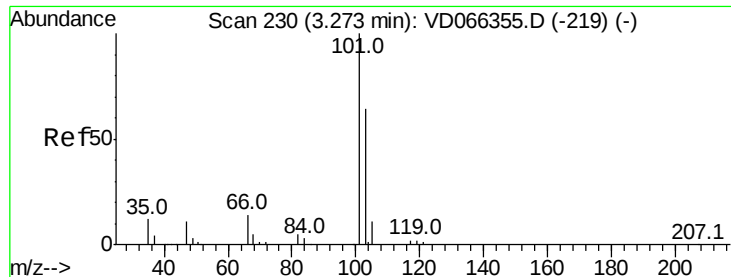
0

Time-->

2.85 2.90 2.95 3.00

2.92





#7

Trichlorofluoromethane

Concen: 22.942 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

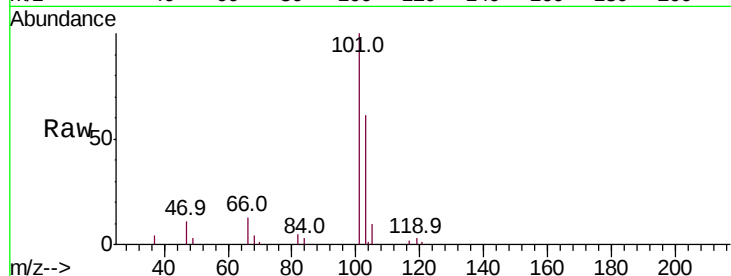
VD0901SBS01

Tot Ion:101 Resp: 64872

Ion Ratio Lower Upper

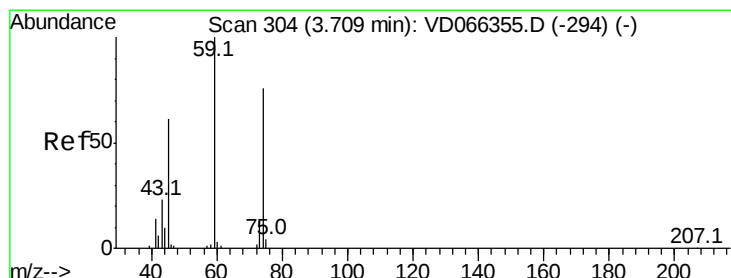
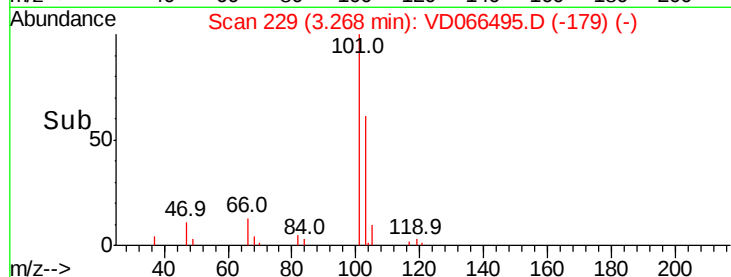
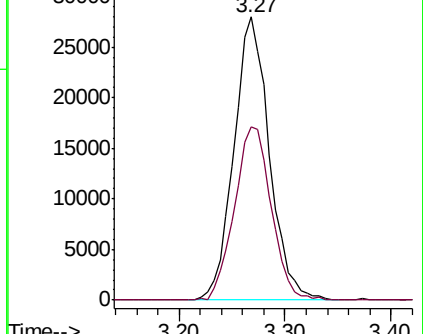
101 100

103 61.0 51.4 77.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.059 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD066495.D

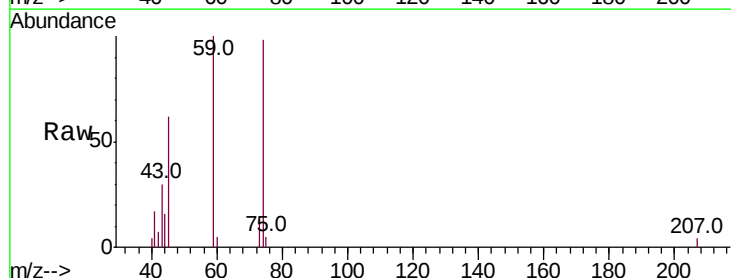
Acq: 01 Sep 2020 14:49

Tgt Ion: 74 Resp: 12075

Ion Ratio Lower Upper

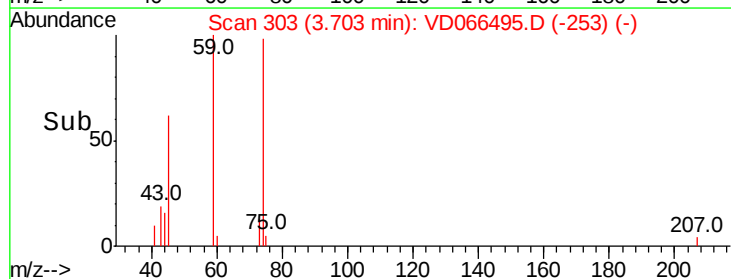
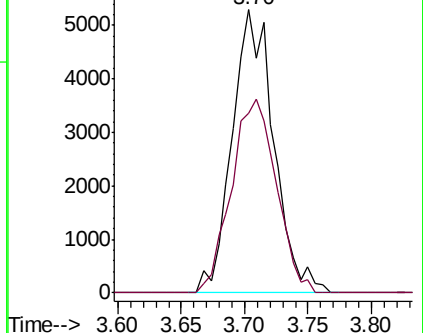
74 100

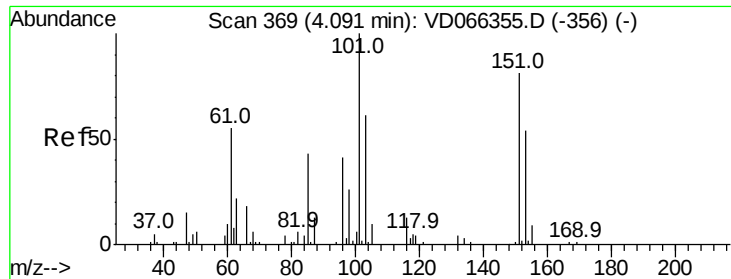
45 73.8 42.8 128.3



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: 19.996 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

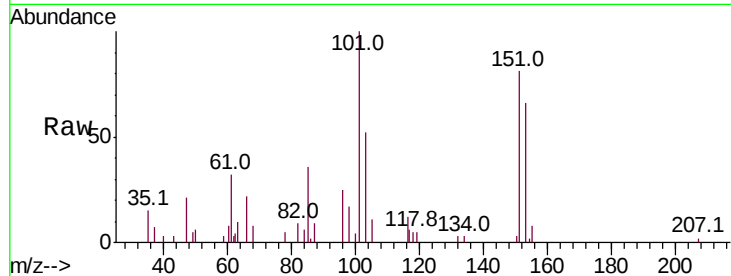
Tot Ion:101 Resp: 27904

Ion Ratio Lower Upper

101 100

85 45.6 36.4 54.6

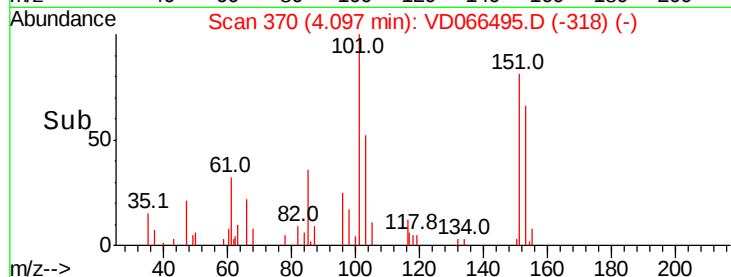
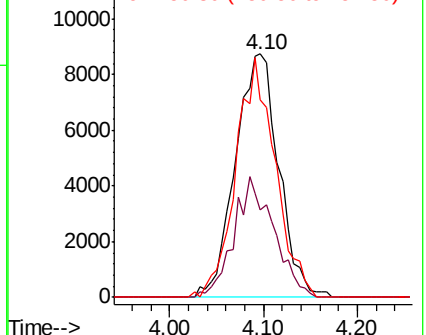
151 89.7 70.5 105.7



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: 16.546 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

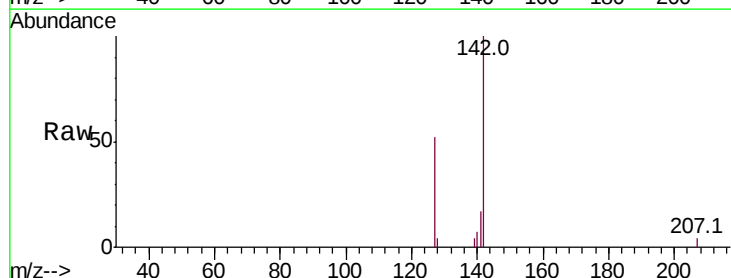
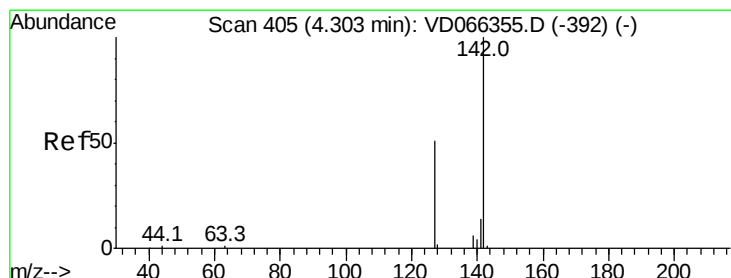
Tgt Ion:142 Resp: 26335

Ion Ratio Lower Upper

142 100

127 59.9 41.8 62.8

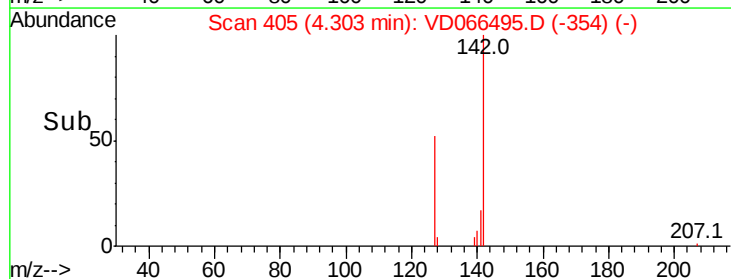
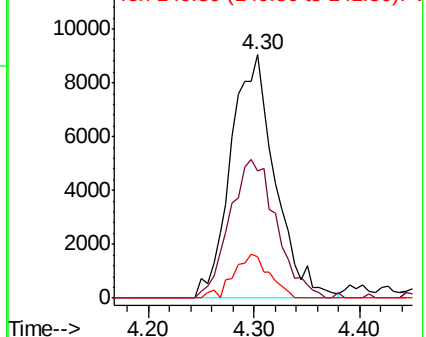
141 14.5 11.8 17.6

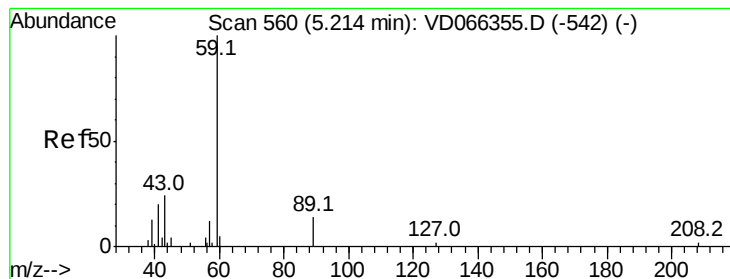


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 51.042 ug/l

RT: 5.20 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

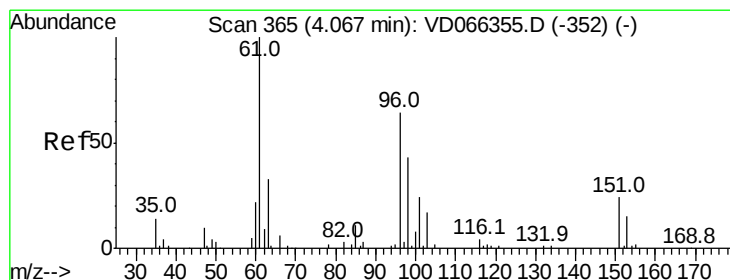
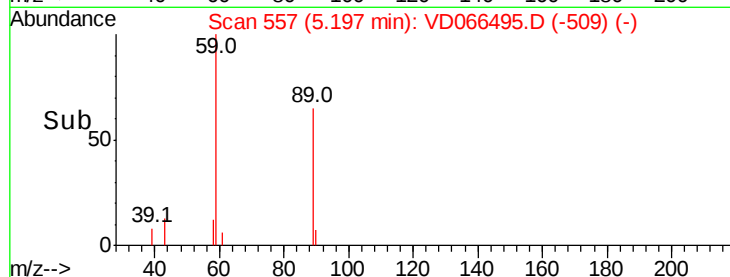
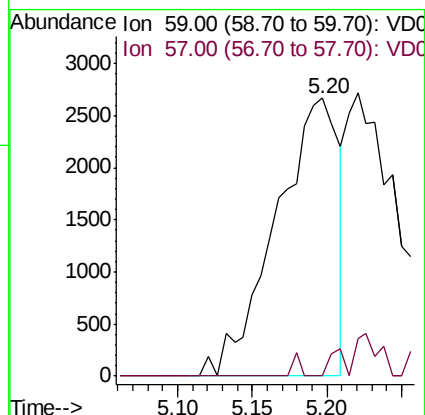
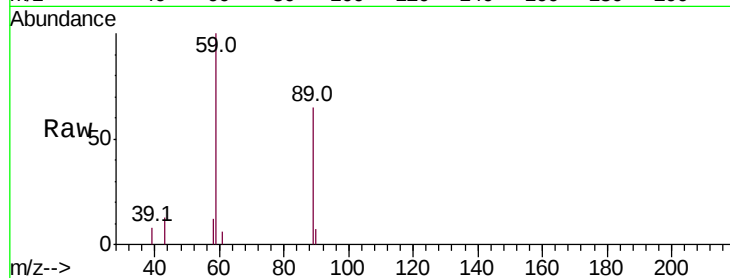
VD0901SBS01

Tot Ion: 59 Resp: 7766

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#12

1,1-Dichloroethene

Concen: 18.962 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

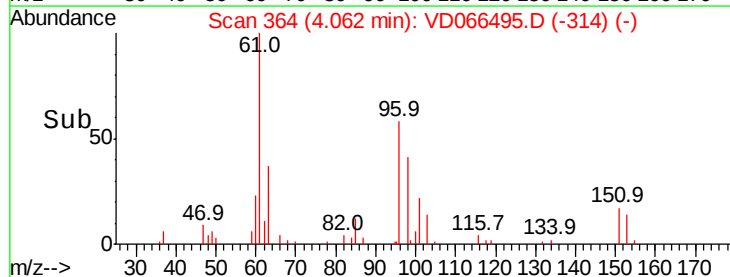
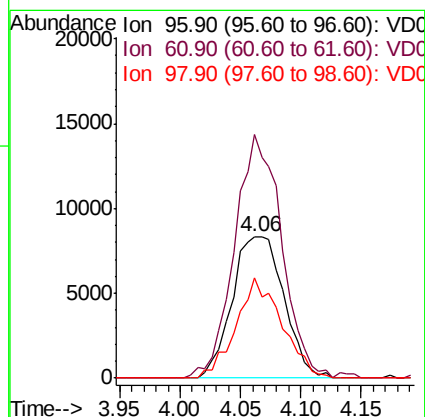
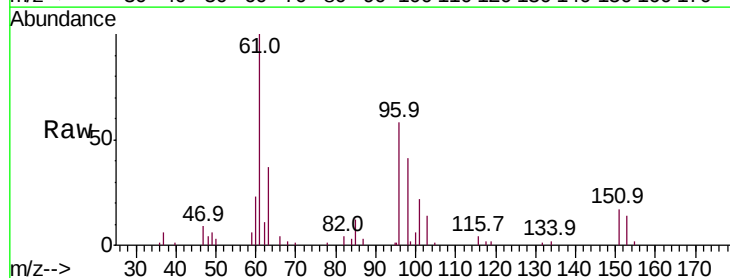
Tgt Ion: 96 Resp: 24838

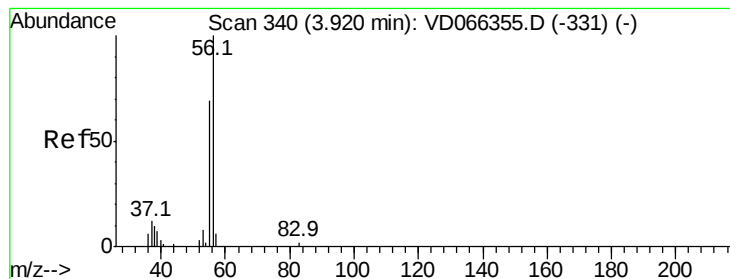
Ion Ratio Lower Upper

96 100

61 169.5 124.3 186.5

98 70.5 53.2 79.8





#13

Acrolein

Concen: 38.031 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

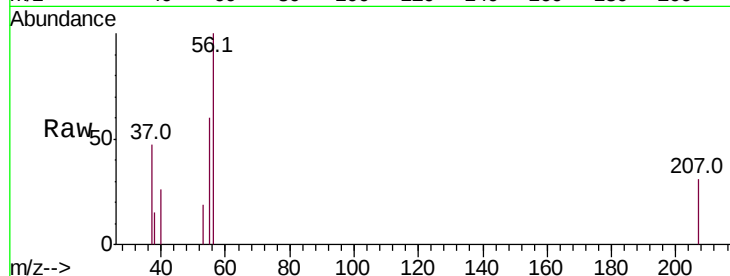
VD0901SBS01

Tot Ion: 56 Resp: 2661

Ion Ratio Lower Upper

56 100

55 75.6 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

1200

1000

800

600

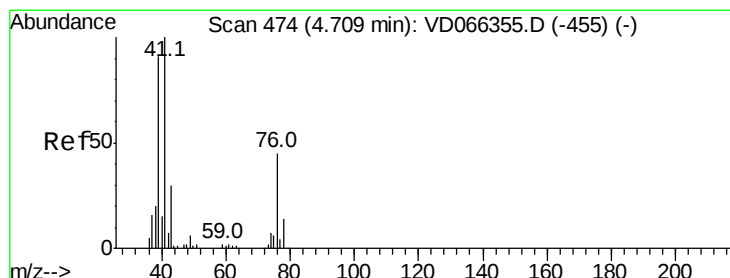
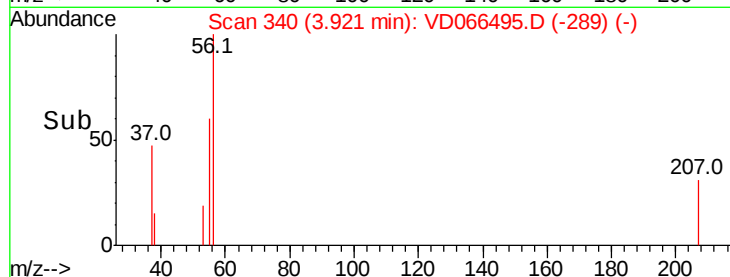
400

200

0

3.85 3.90 3.95

Time-->



#14

Allyl chloride

Concen: 15.617 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

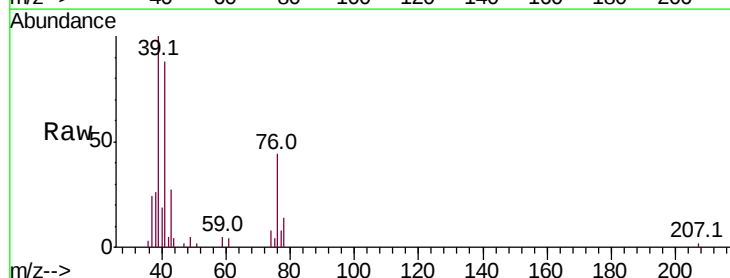
Tgt Ion: 41 Resp: 27305

Ion Ratio Lower Upper

41 100

39 116.9 72.8 109.2#

76 53.1 34.0 51.0#



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

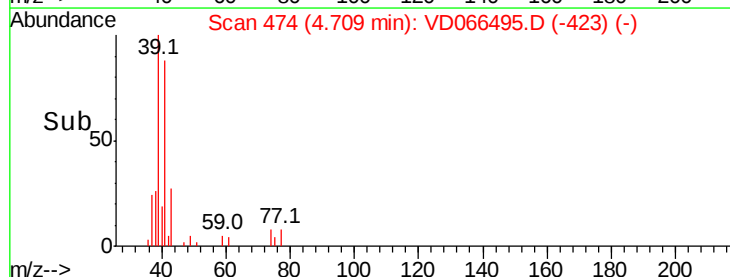
10000

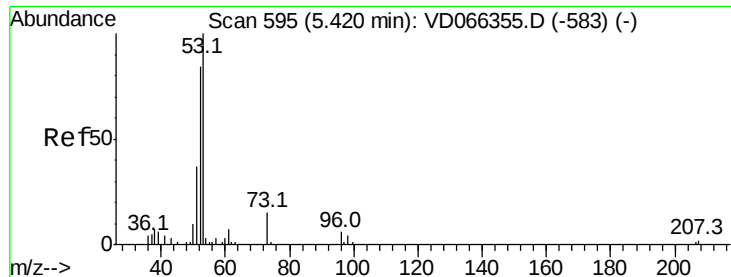
5000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 87.437 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

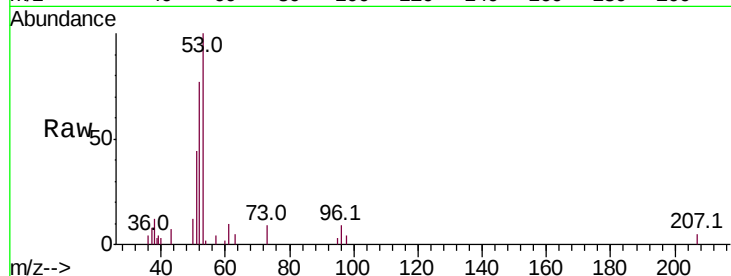
Tot Ion: 53 Resp: 22226

Ion Ratio Lower Upper

53 100

52 78.7 68.1 102.1

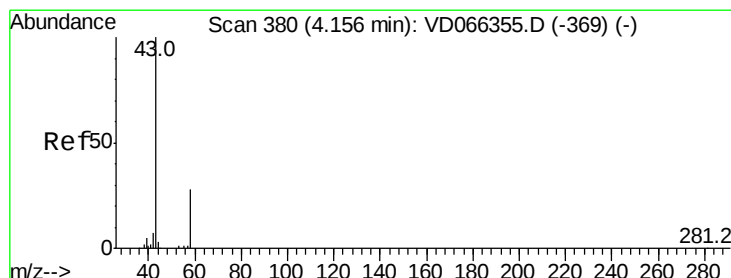
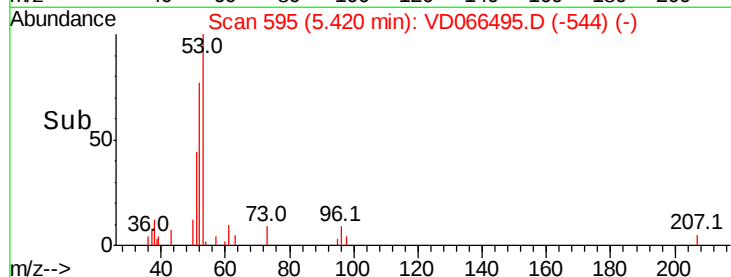
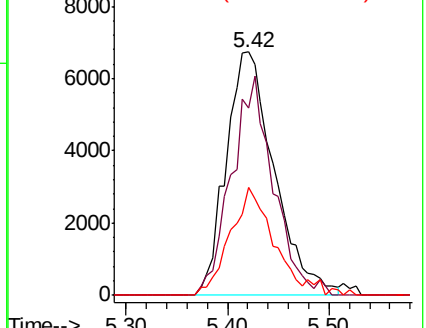
51 38.7 33.8 50.6



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: 91.662 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066495.D

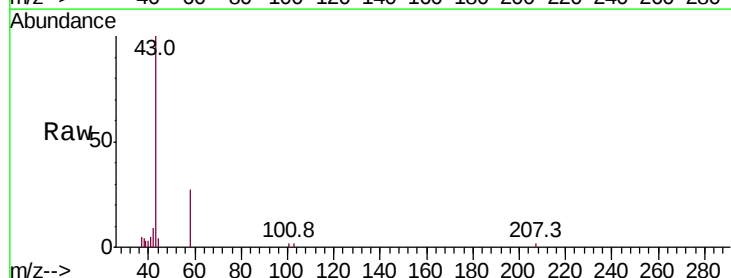
Acq: 01 Sep 2020 14:49

Tgt Ion: 43 Resp: 26038

Ion Ratio Lower Upper

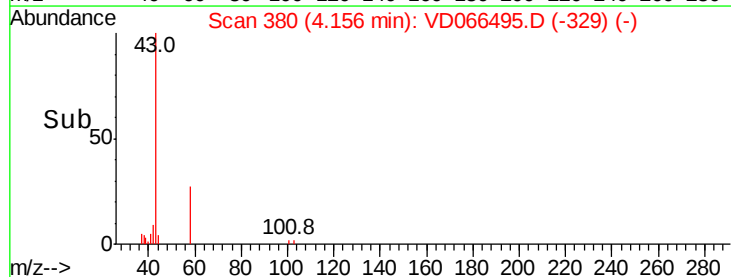
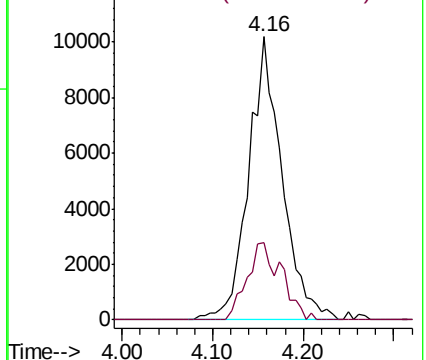
43 100

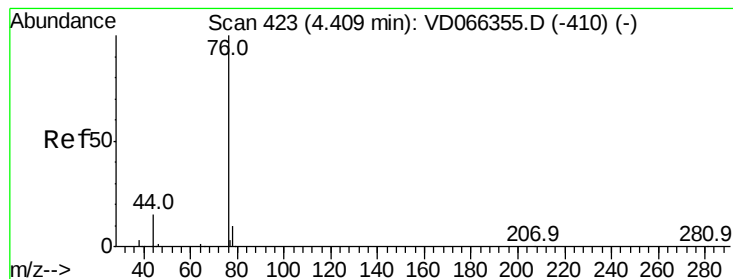
58 27.4 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 16.080 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

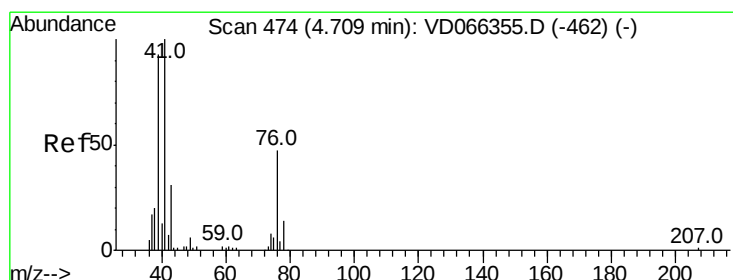
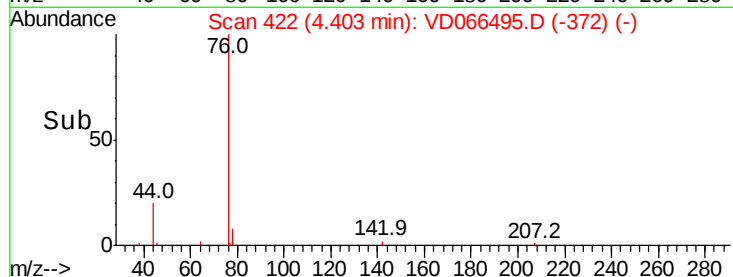
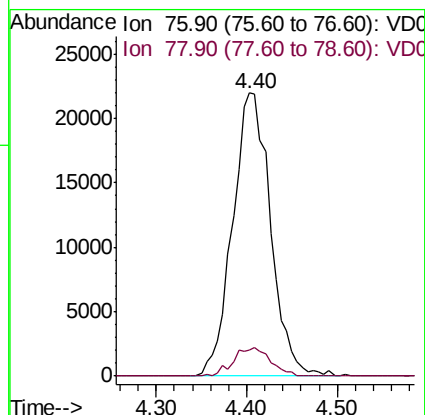
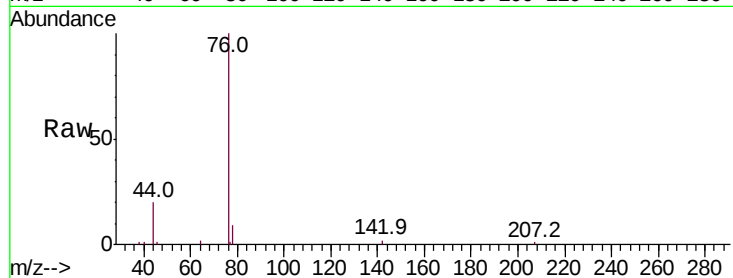
VD0901SBS01

Tot Ion: 76 Resp: 63835

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5



#18

Methyl Acetate

Concen: 15.448 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066495.D

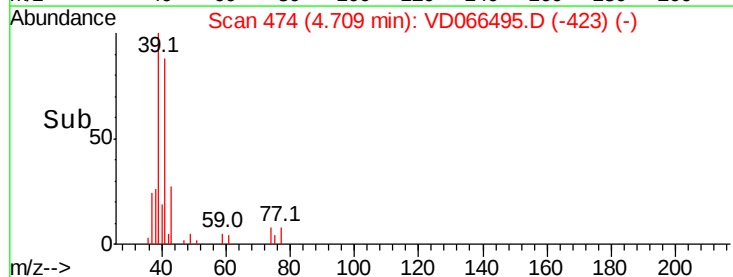
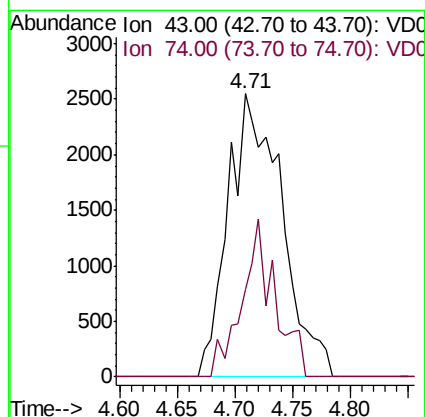
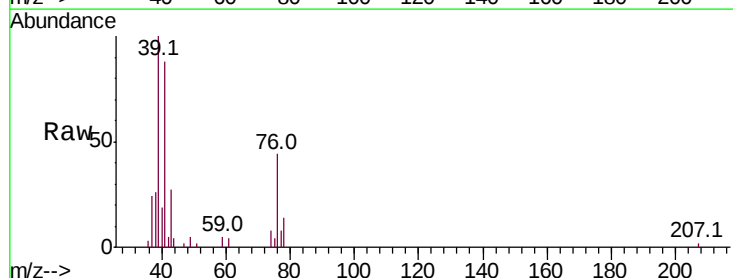
Acq: 01 Sep 2020 14:49

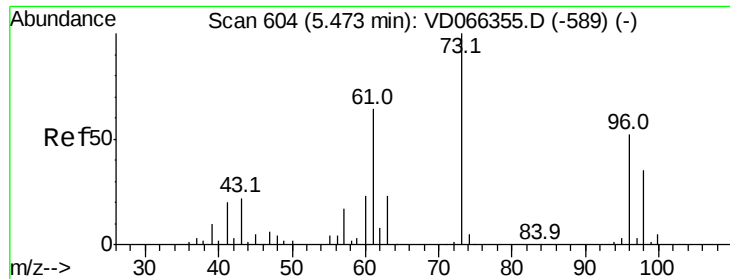
Tgt Ion: 43 Resp: 8236

Ion Ratio Lower Upper

43 100

74 34.3 21.0 31.6#

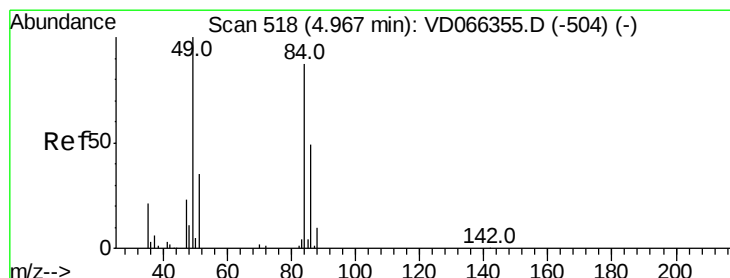
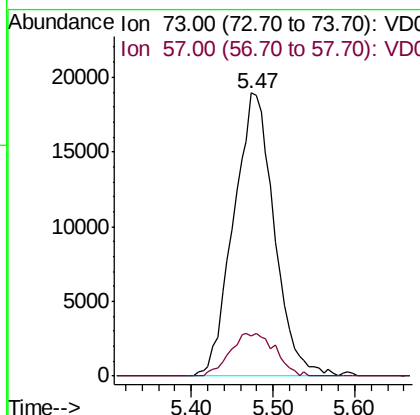
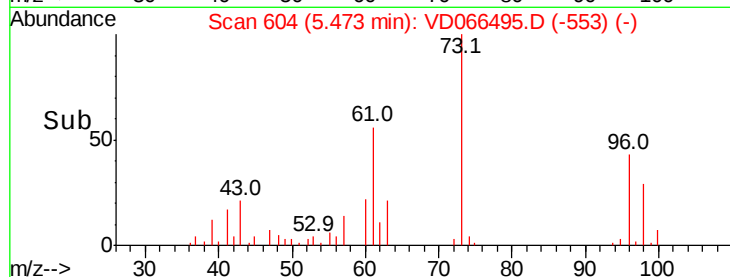
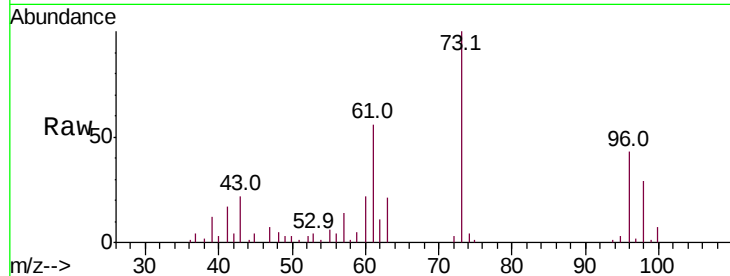




#19
Methvl tert-butvl Ether
Concen: 20.725 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

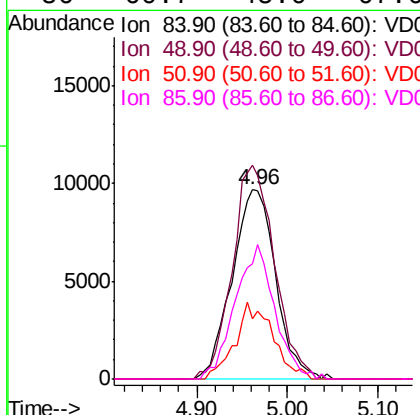
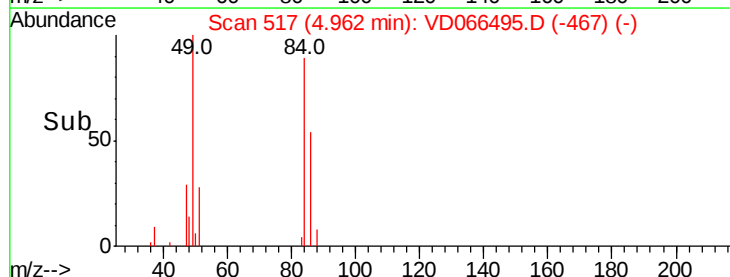
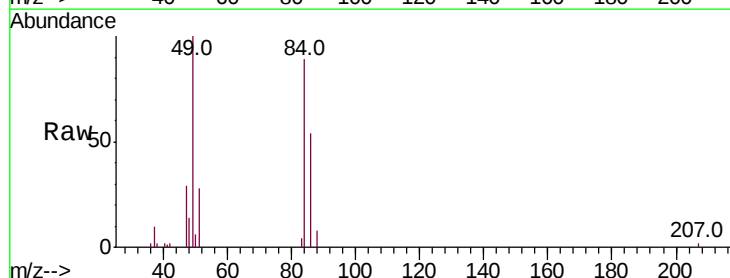
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

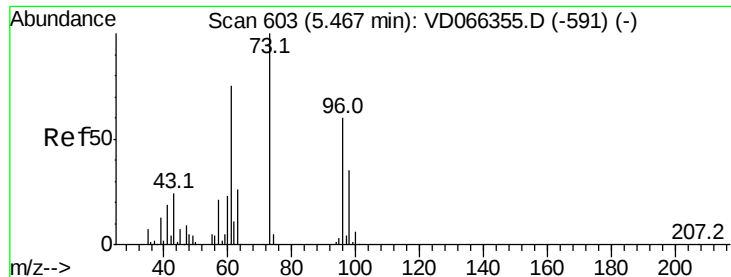
Tot Ion: 73 Resp: 65370
Ion Ratio Lower Upper
73 100
57 14.0 13.8 20.6



#20
Methylene Chloride
Concen: 17.082 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion: 84 Resp: 32259
Ion Ratio Lower Upper
84 100
49 112.8 92.5 138.7
51 31.6 32.5 48.7#
86 60.7 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 18.349 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

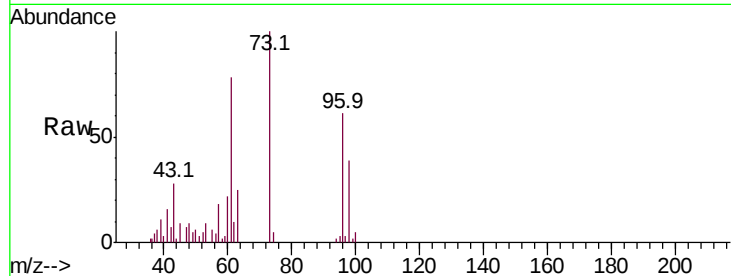
Tot Ion: 96 Resp: 27979

Ion Ratio Lower Upper

96 100

61 126.7 101.1 151.7

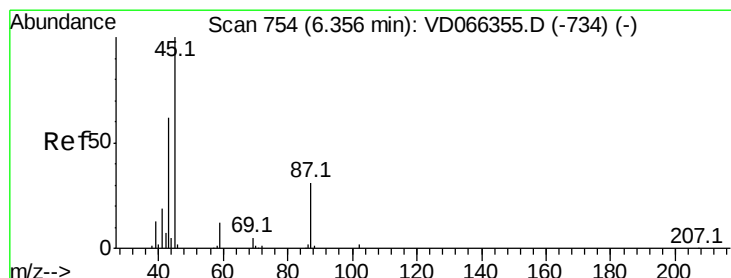
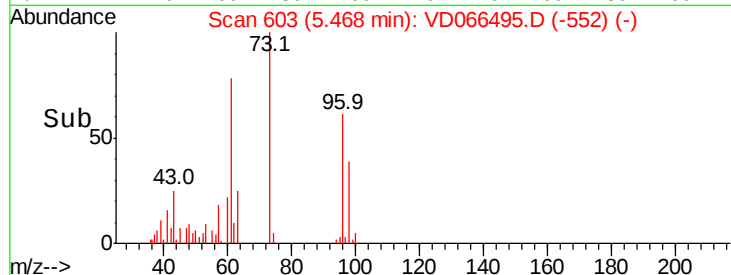
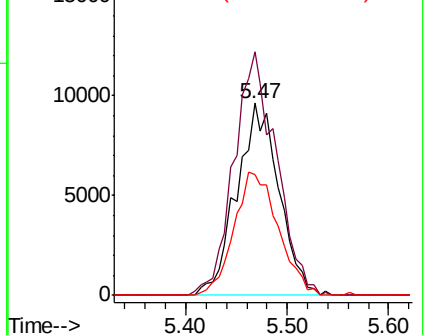
98 63.0 47.0 70.6



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



#22

Diisopropyl ether

Concen: 15.954 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Tgt Ion: 45 Resp: 54005

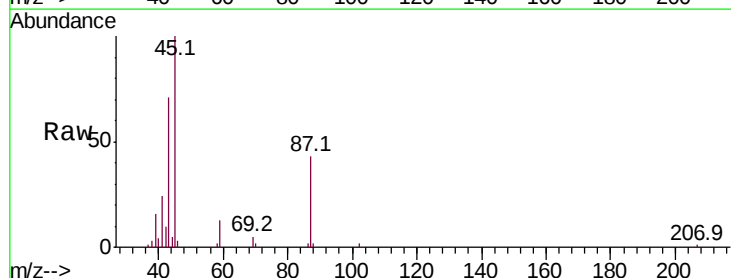
Ion Ratio Lower Upper

45 100

43 70.0 49.8 74.8

87 43.4 25.0 37.6#

59 12.6 9.6 14.4

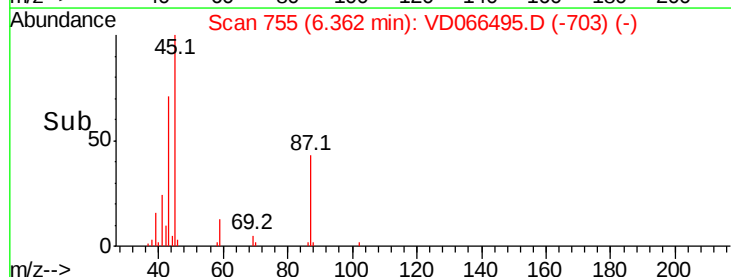
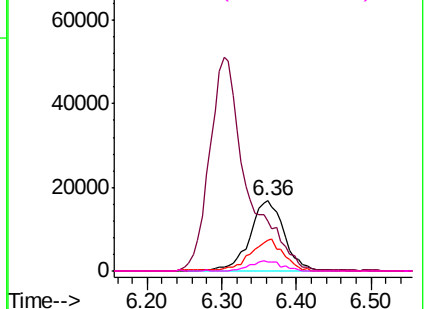


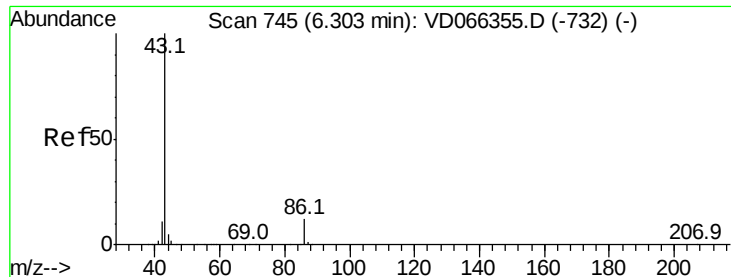
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 85.202 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

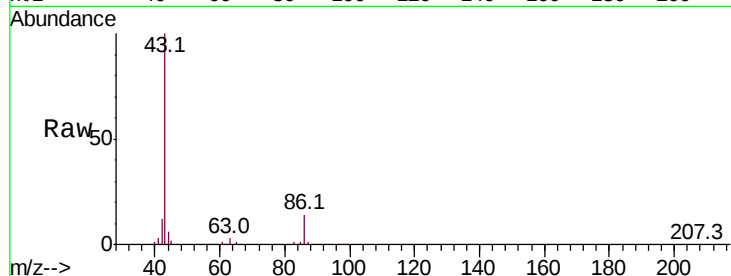
VD0901SBS01

Tot Ion: 43 Resp: 178548

Ion Ratio Lower Upper

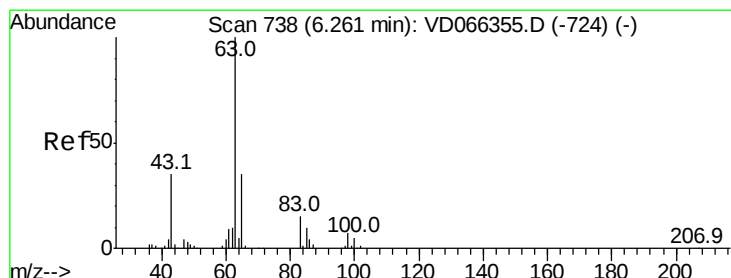
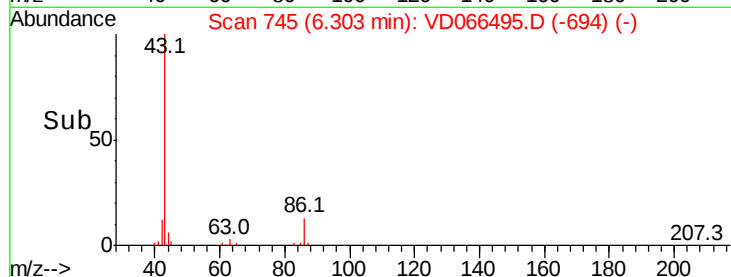
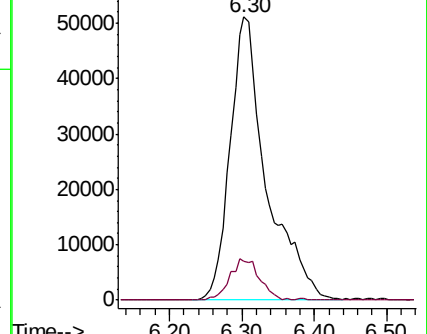
43 100

86 13.7 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.222 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

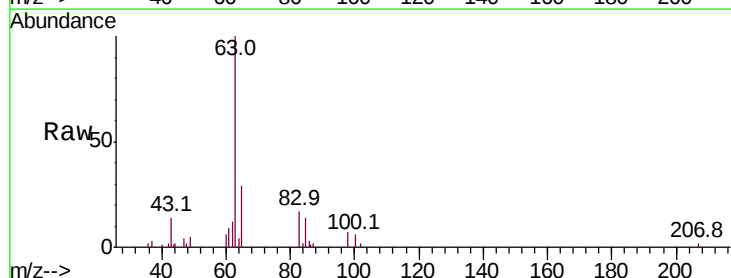
Tgt Ion: 63 Resp: 43591

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.6

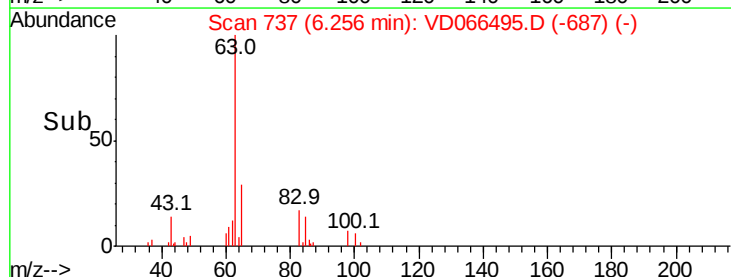
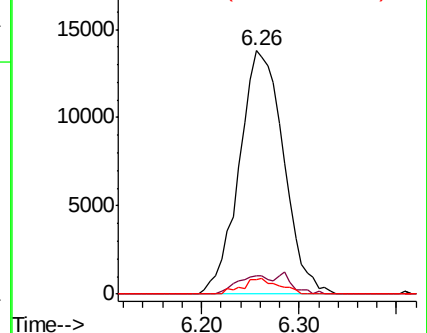
100 6.0 2.5 7.6

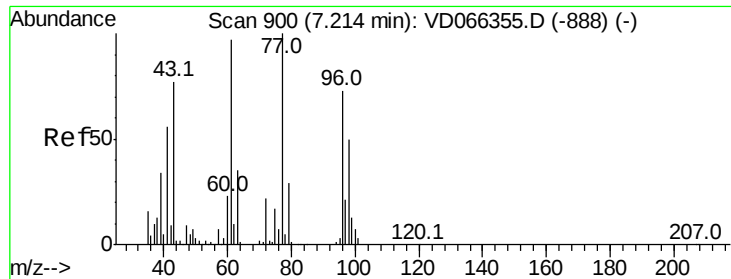


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

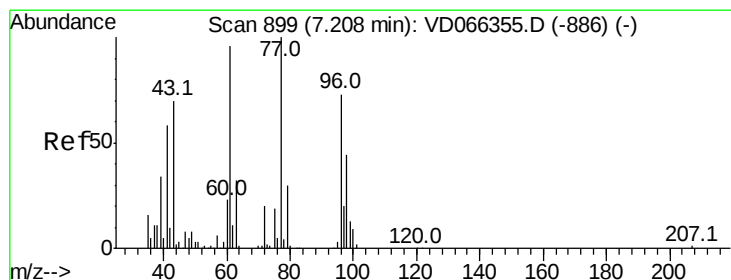
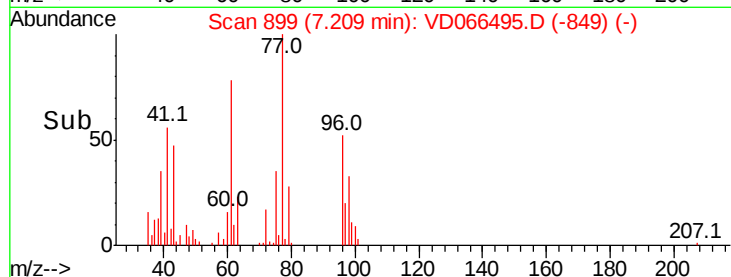
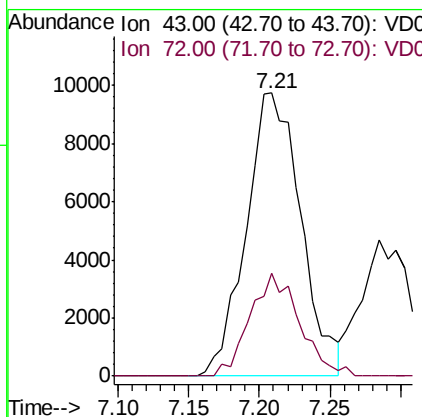
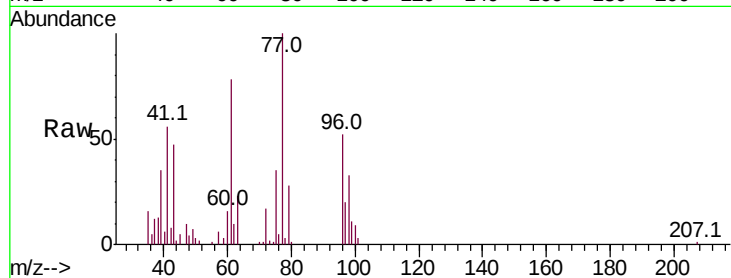




#25
 2-Butanone
 Concen: 82.056 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

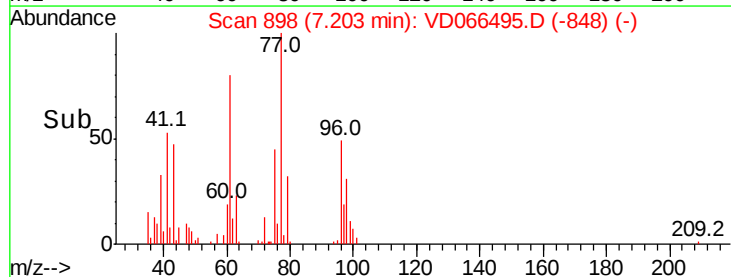
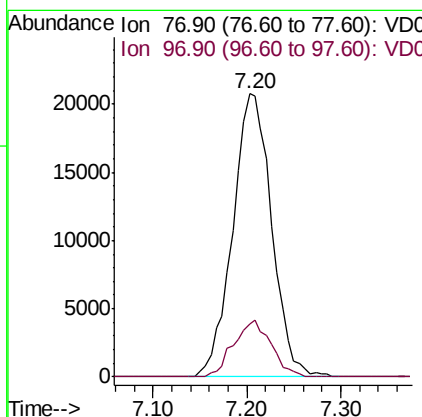
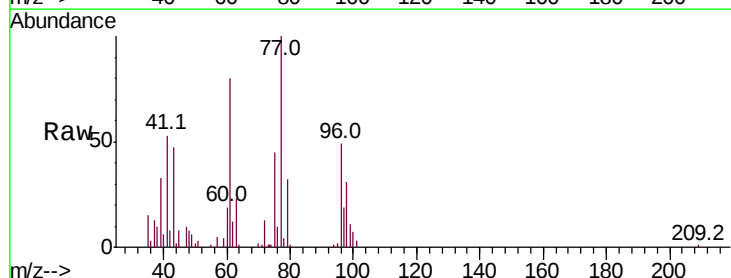
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBS01

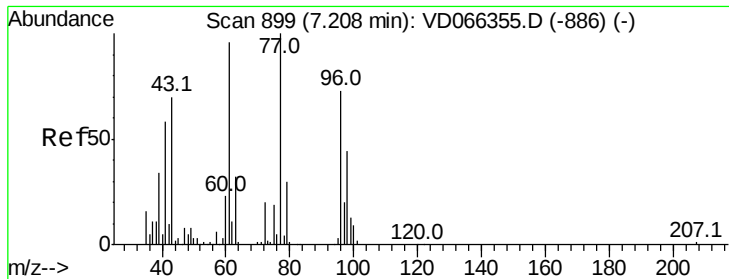
Tot Ion: 43 Resp: 26462
 Ion Ratio Lower Upper
 43 100
 72 36.2 22.5 33.7#



#26
 2,2-Dichloropropane
 Concen: 23.247 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

Tgt Ion: 77 Resp: 59604
 Ion Ratio Lower Upper
 77 100
 97 19.3 10.7 31.9



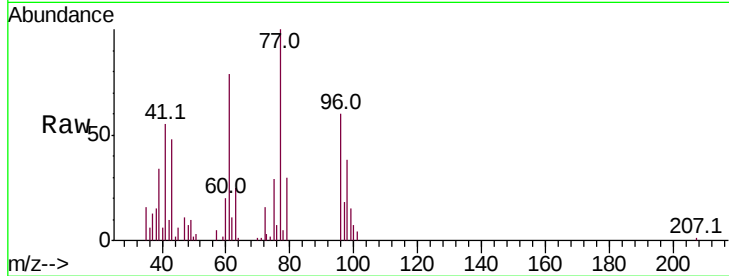


#27

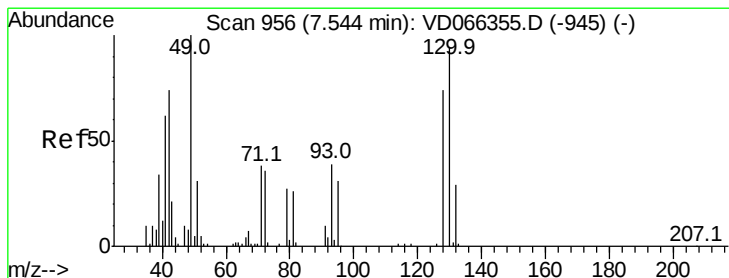
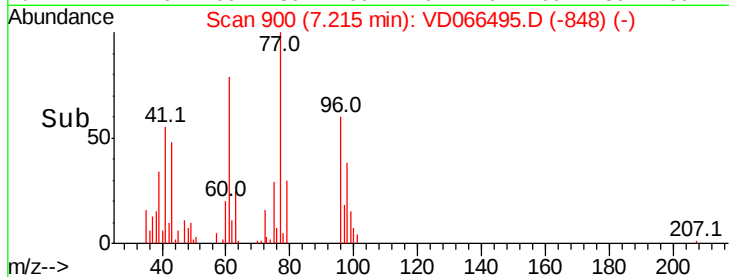
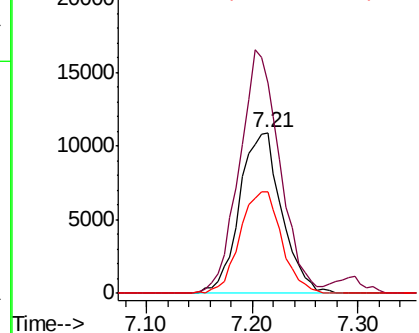
cis-1,2-Dichloroethene
Concen: 18.493 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

Tot Ion: 96 Resp: 30214
Ion Ratio Lower Upper
96 100
61 145.2 0.0 281.4
98 62.6 0.0 132.2



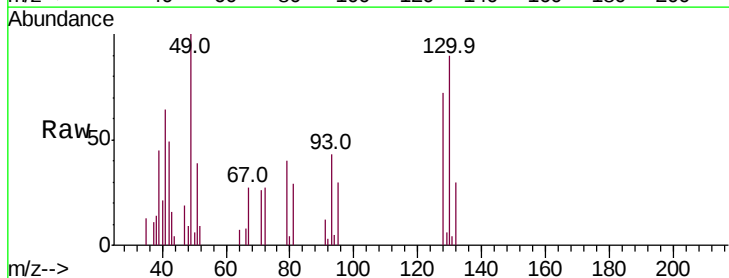
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



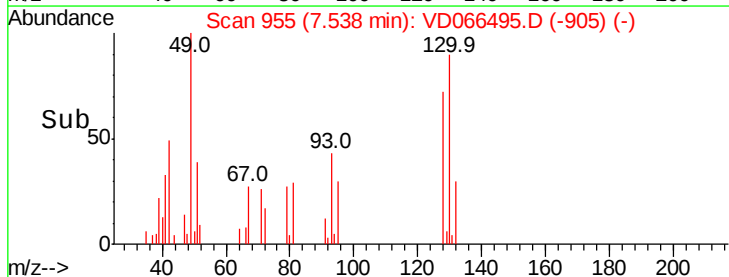
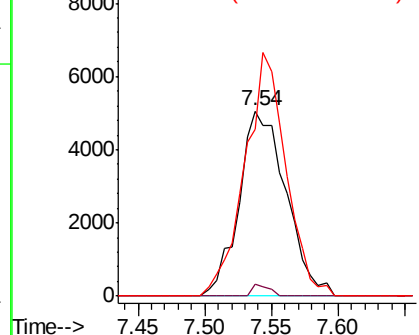
#28

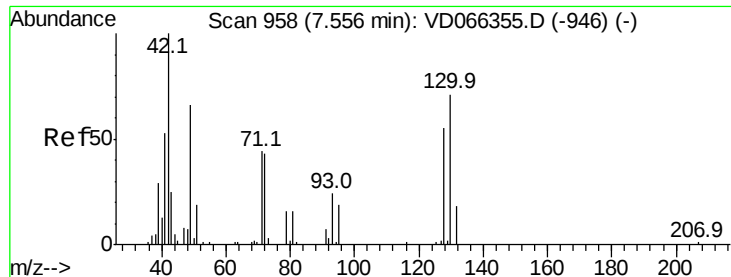
Bromochloromethane
Concen: 14.947 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion: 49 Resp: 12316
Ion Ratio Lower Upper
49 100
129 2.2 0.0 3.0
130 114.8 82.6 124.0



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

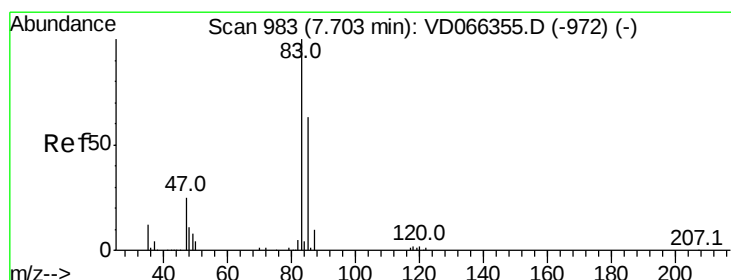
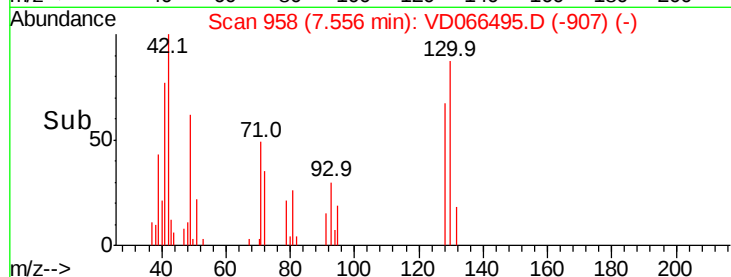
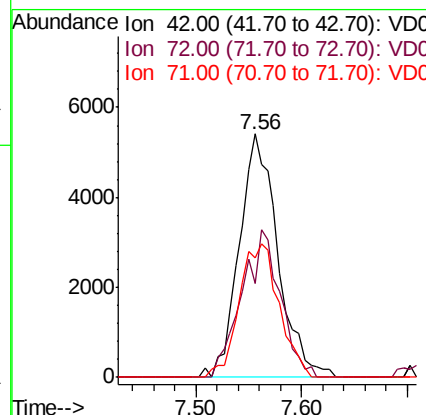
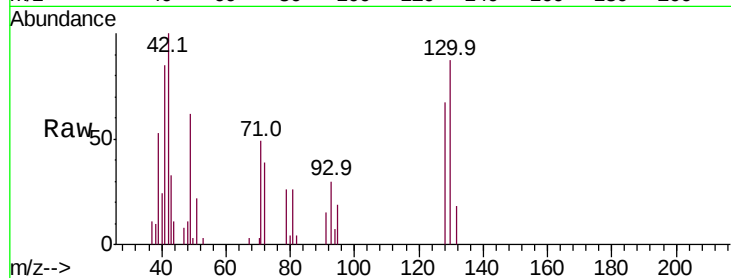




#29
Tetrahydrofuran
Concen: 74.500 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

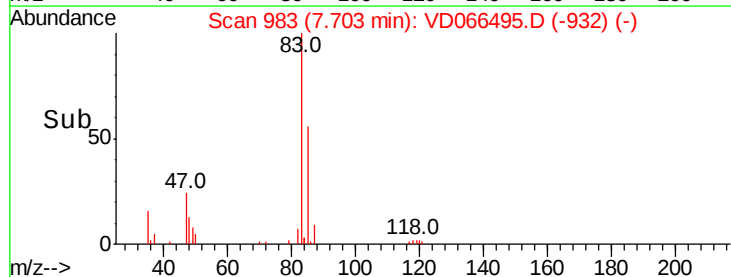
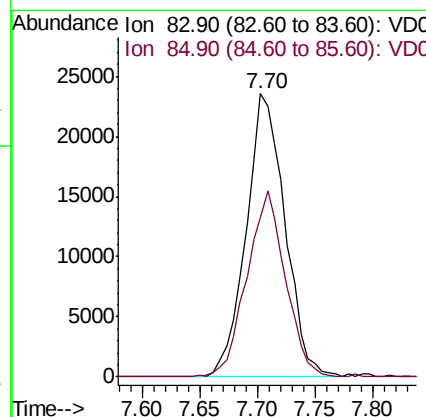
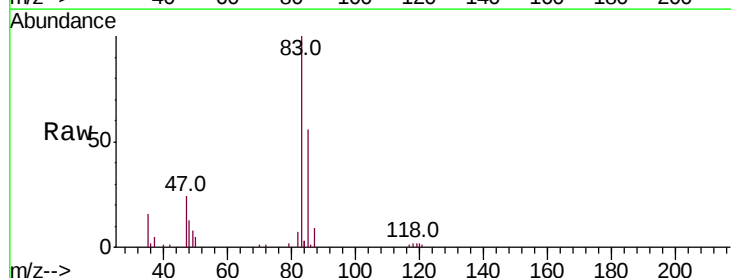
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

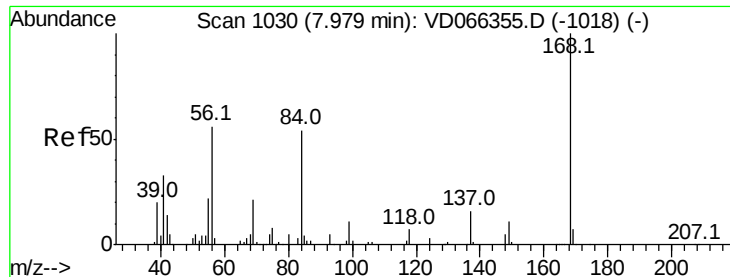
Tot Ion: 42 Resp: 13646
Ion Ratio Lower Upper
42 100
72 60.7 41.0 61.4
71 56.8 37.2 55.8#



#30
Chloroform
Concen: 19.886 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion: 83 Resp: 55039
Ion Ratio Lower Upper
83 100
85 56.2 50.3 75.5

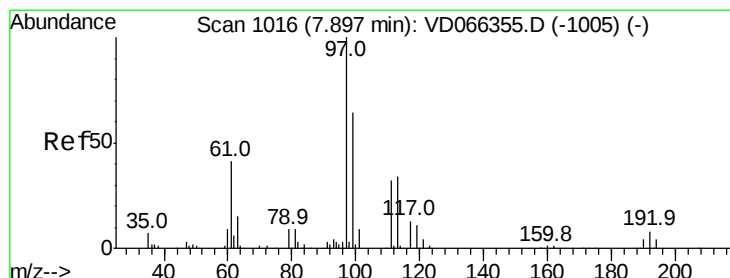
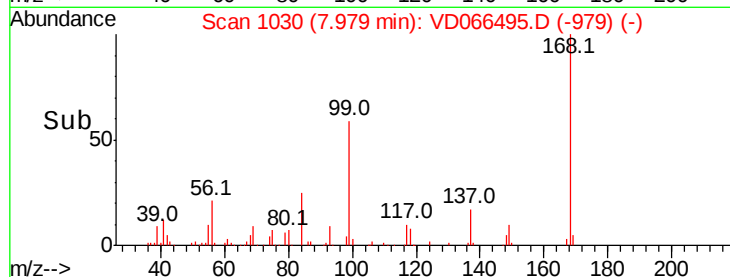
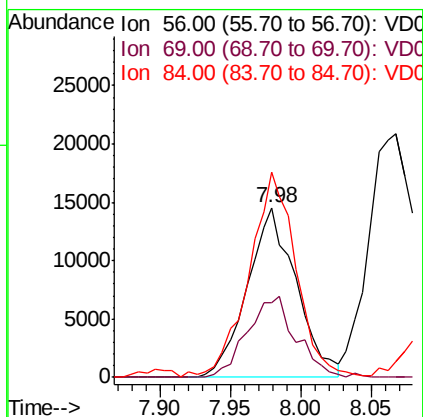
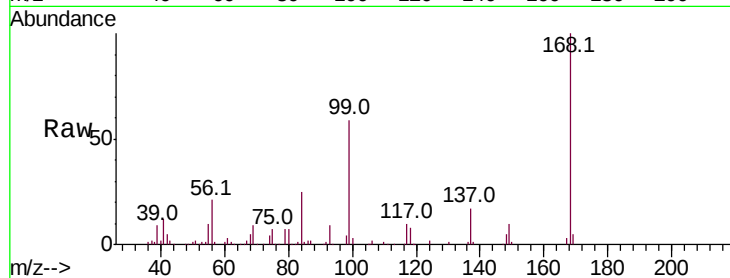




#31
Cyclohexane
Concen: 16.141 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

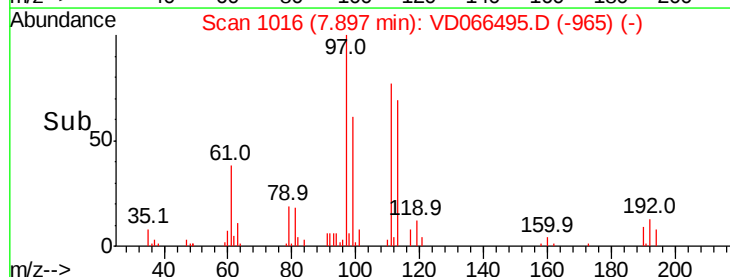
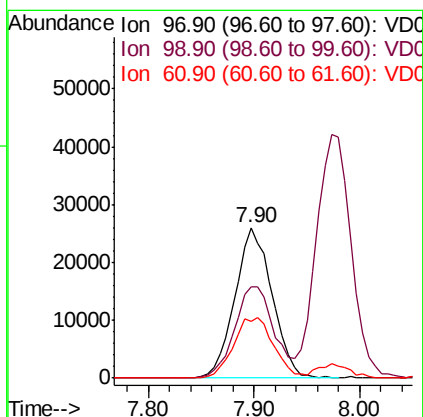
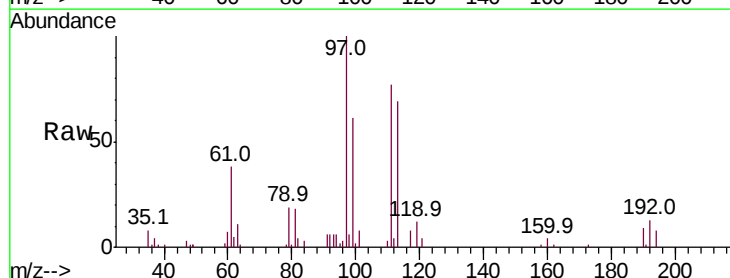
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

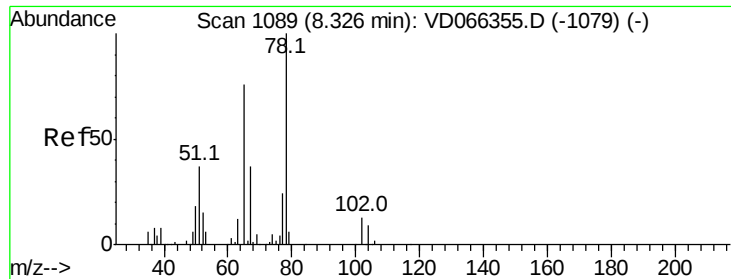
Tot Ion: 56 Resp: 35314
Ion Ratio Lower Upper
56 100
69 44.2 29.6 44.4
84 117.7 76.6 115.0#



#32
1,1,1-Trichloroethane
Concen: 22.449 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion: 97 Resp: 63591
Ion Ratio Lower Upper
97 100
99 65.2 51.5 77.3
61 43.4 33.3 49.9





#33

1,2-Dichloroethane-d4

Concen: 54.426 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

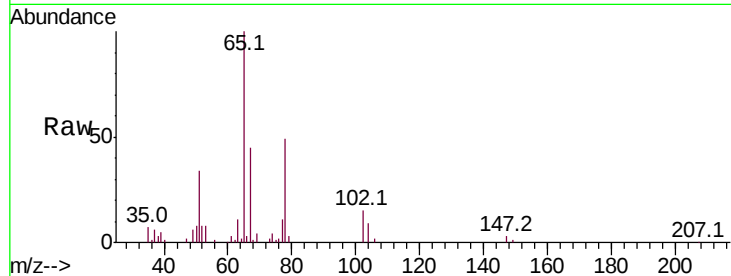
VD0901SBS01

Tot Ion: 65 Resp: 85757

Ion Ratio Lower Upper

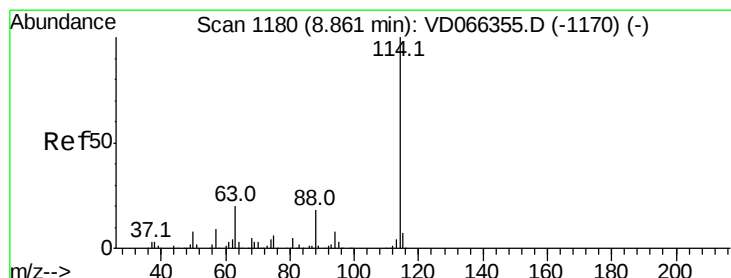
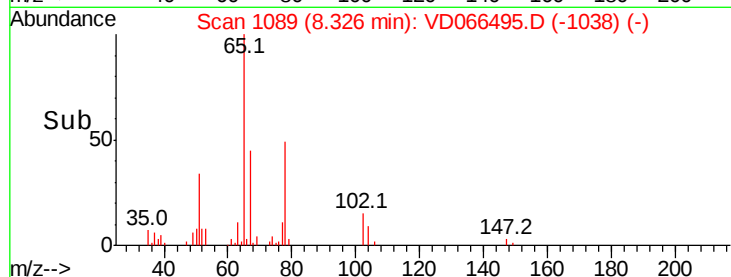
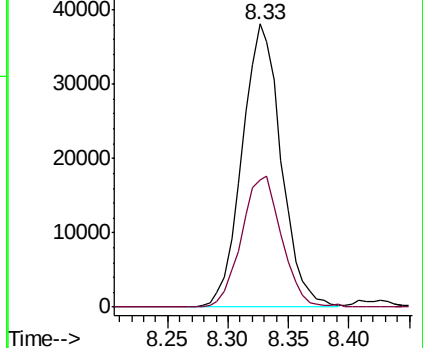
65 100

67 47.5 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

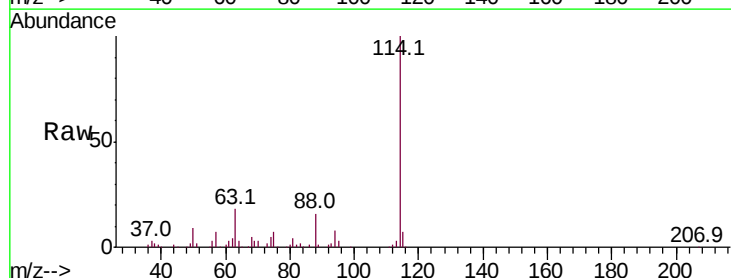
Tgt Ion: 114 Resp: 209084

Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.8

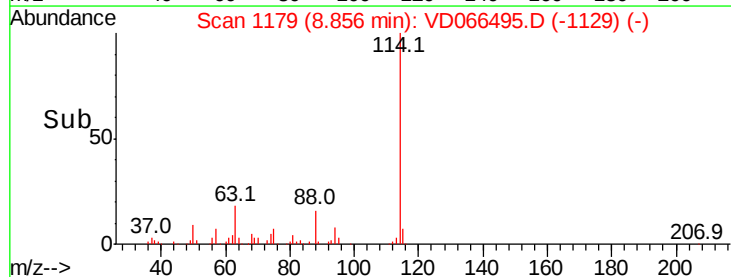
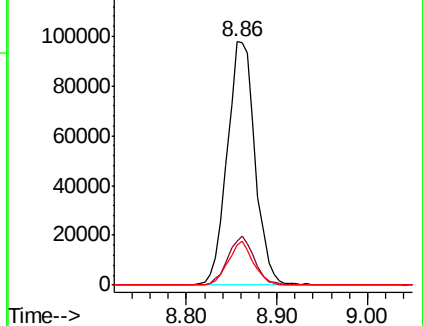
88 16.4 0.0 35.4

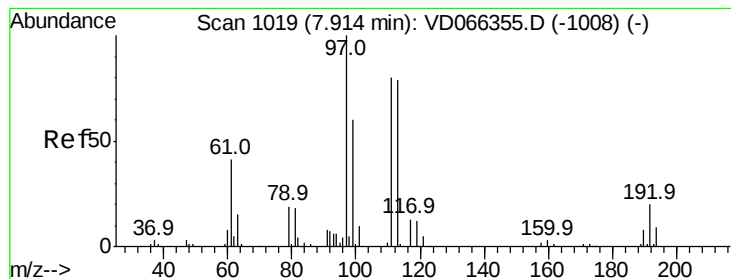


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 53.022 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

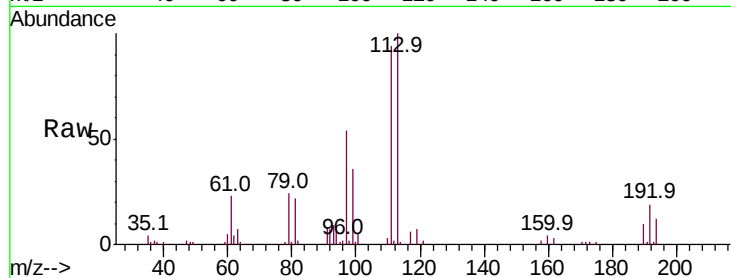
Tot Ion:113 Resp: 69322

Ion Ratio Lower Upper

113 100

111 99.0 80.3 120.5

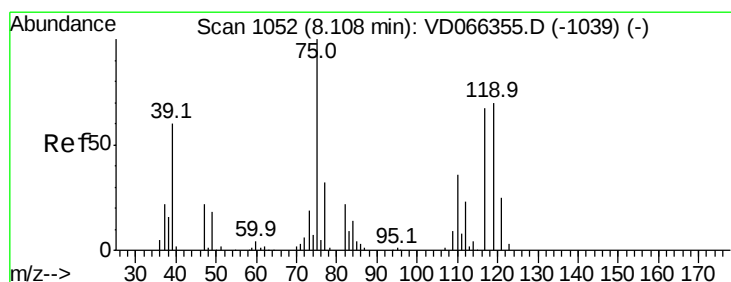
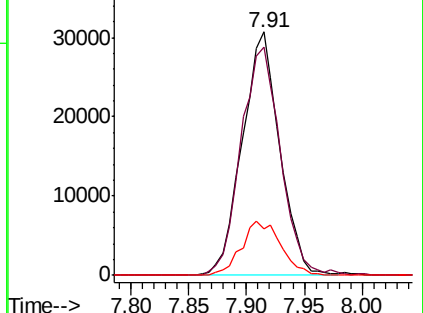
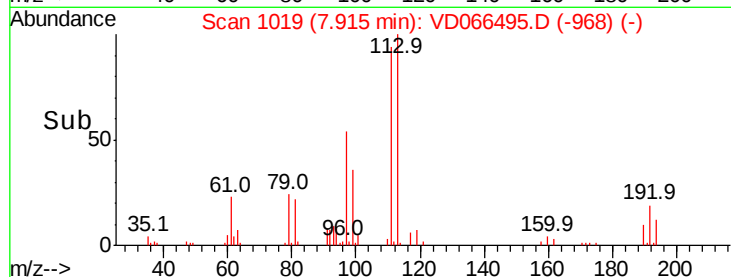
192 23.4 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.161 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

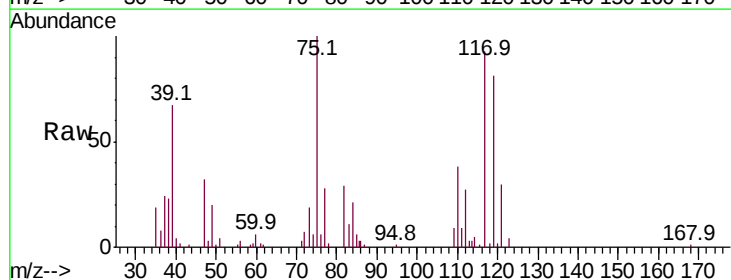
Tgt Ion: 75 Resp: 38462

Ion Ratio Lower Upper

75 100

110 37.7 18.7 56.1

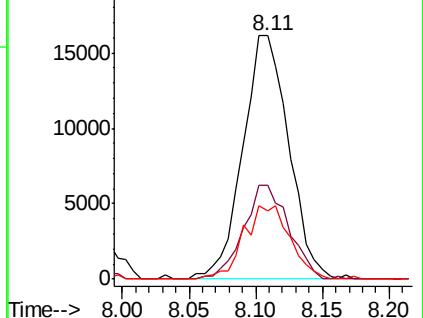
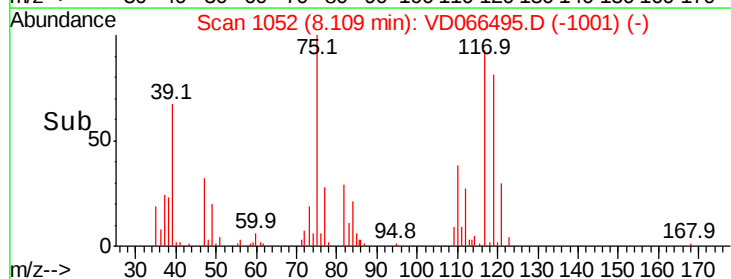
77 30.6 25.2 37.8

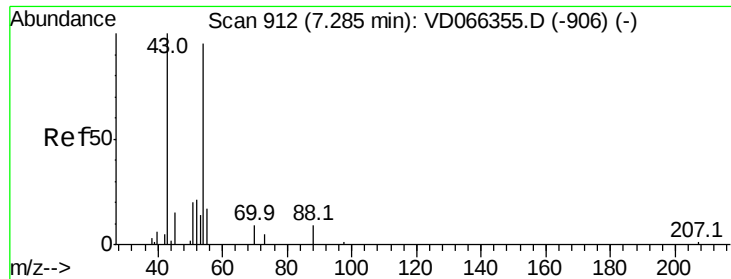


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

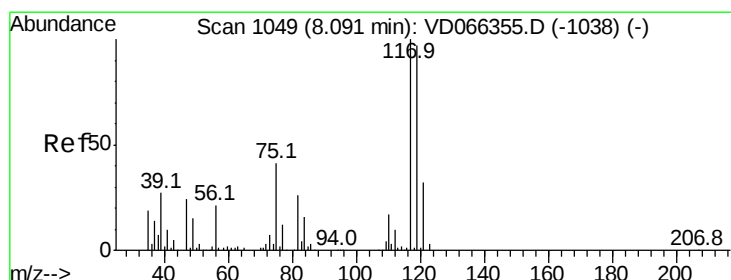
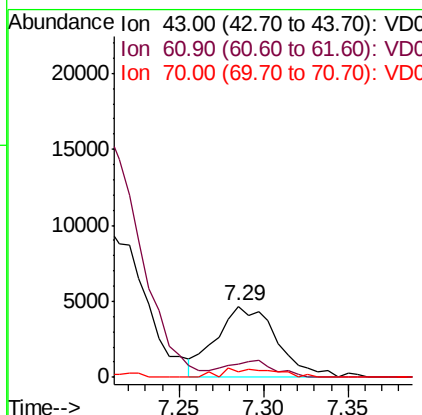
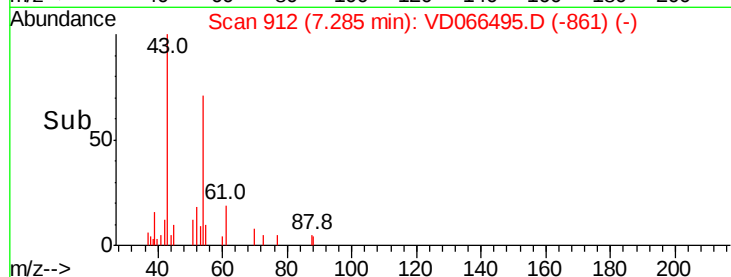
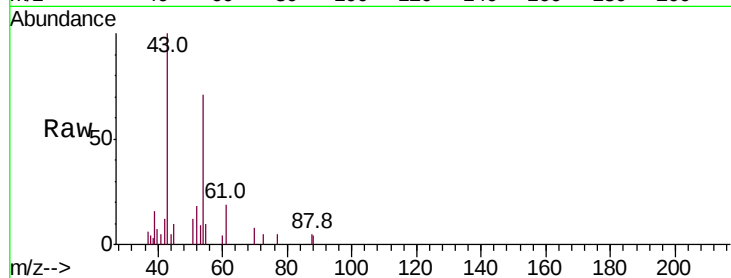




#37
Ethyl Acetate
Concen: 17.841 ug/l
RT: 7.29 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

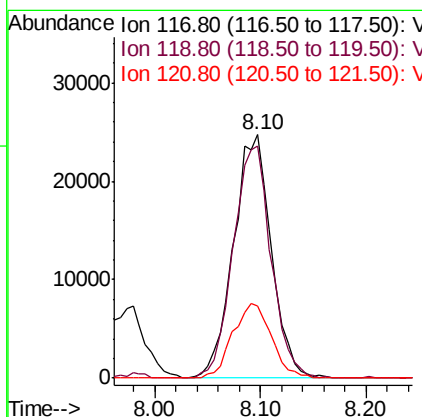
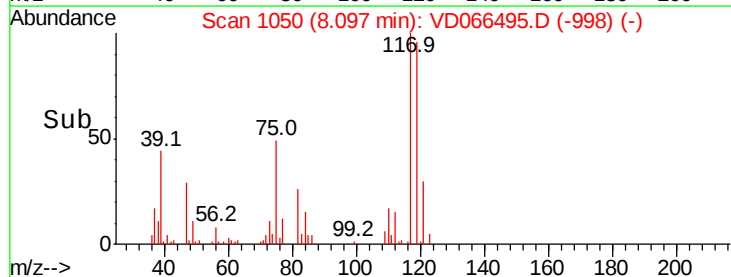
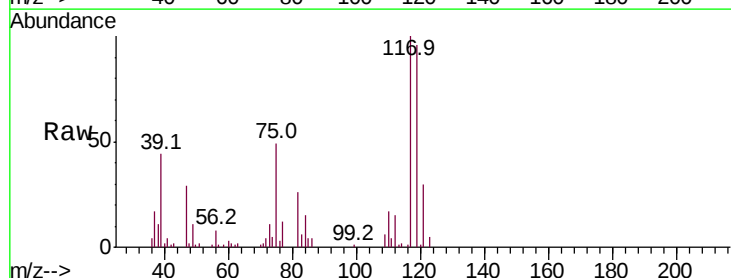
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

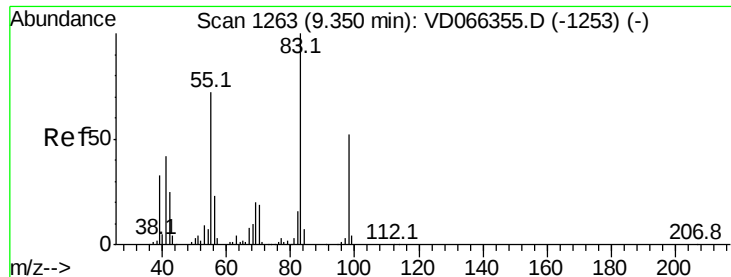
Tot Ion: 43 Resp: 11576
Ion Ratio Lower Upper
43 100
61 18.8 13.3 19.9
70 10.9 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 24.736 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion: 117 Resp: 61481
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8
121 29.7 25.8 38.8

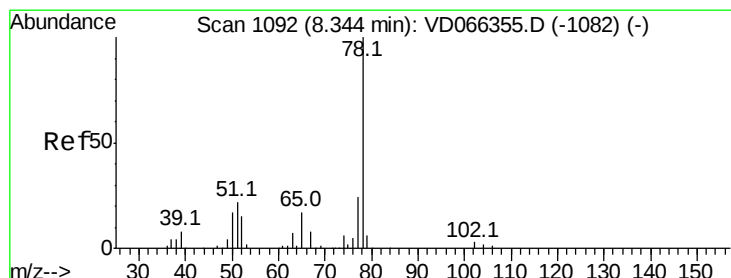
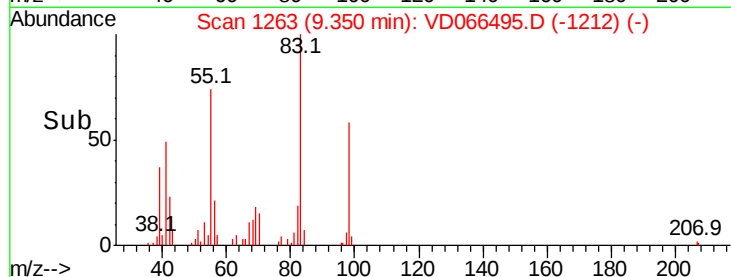
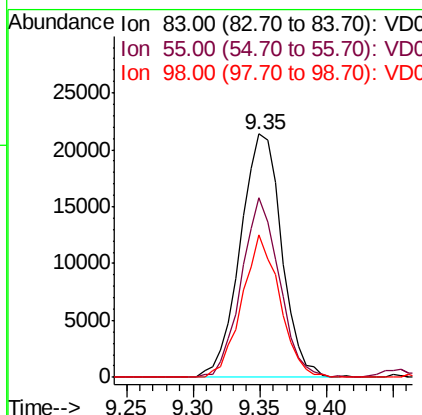
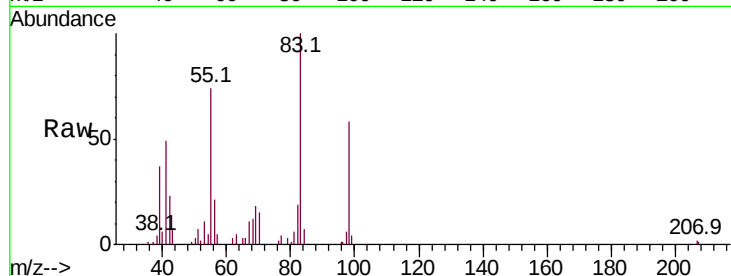




#39
Methvlcvclohexane
Concen: 20.387 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

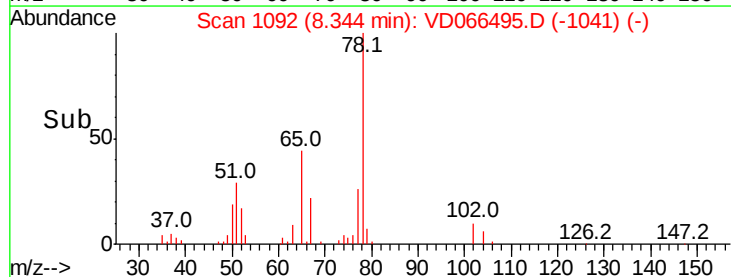
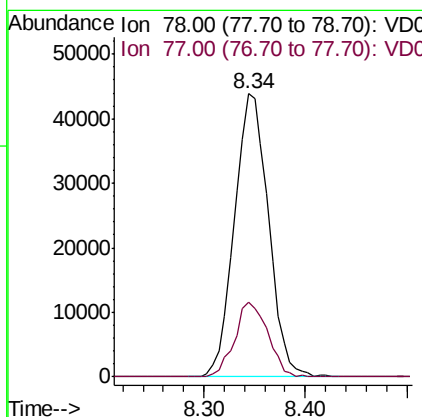
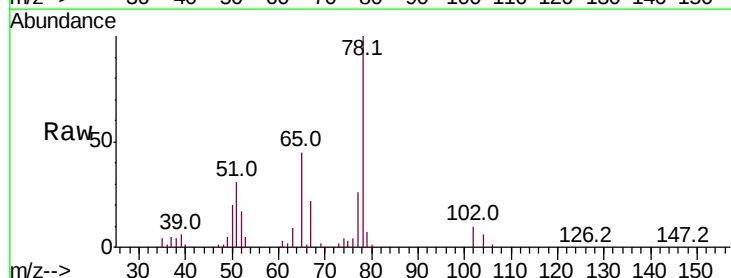
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

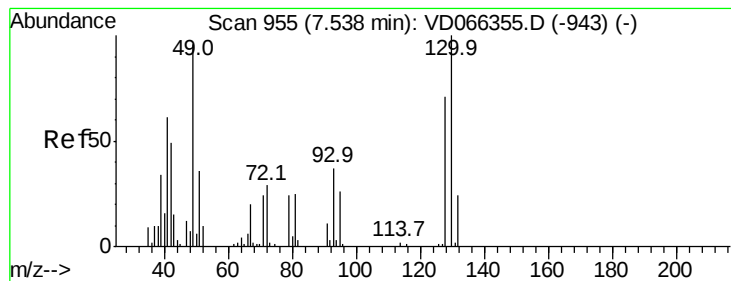
Tot Ion: 83 Resp: 45816
Ion Ratio Lower Upper
83 100
55 73.8 58.0 87.0
98 58.5 41.9 62.9



#40
Benzene
Concen: 20.370 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion: 78 Resp: 102230
Ion Ratio Lower Upper
78 100
77 26.4 18.8 28.2





#41

Methacrylonitrile

Concen: 13.380 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

Tot Ion: 41 Resp: 5354

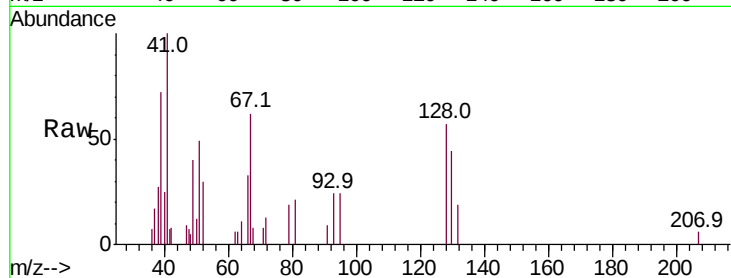
Ion Ratio Lower Upper

41 100

39 88.7 51.8 77.8#

67 107.8 0.0 0.0#

52 46.4 0.0 0.0#

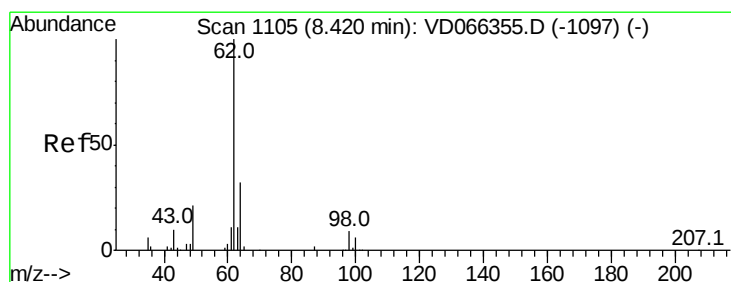
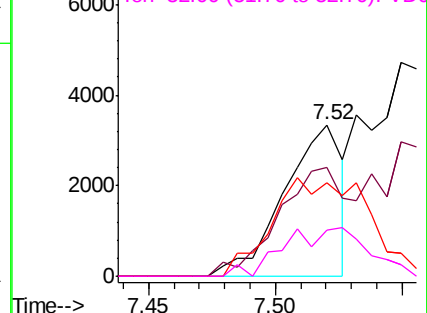
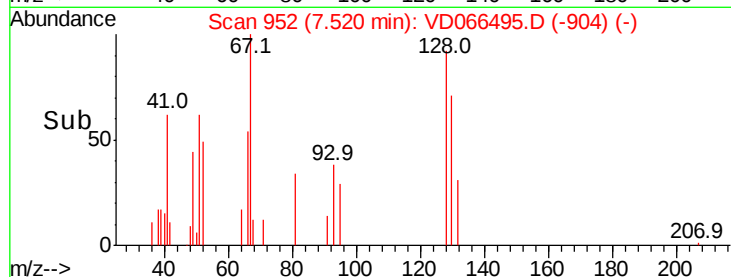


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 24.544 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066495.D

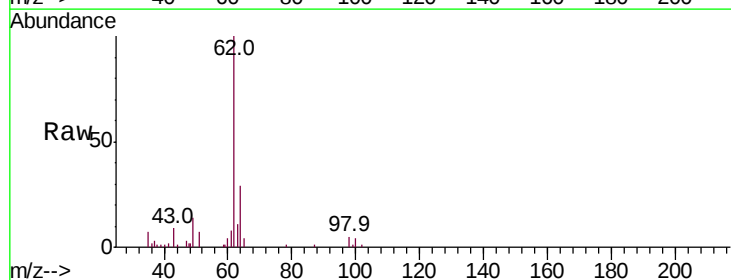
Acq: 01 Sep 2020 14:49

Tgt Ion: 62 Resp: 43384

Ion Ratio Lower Upper

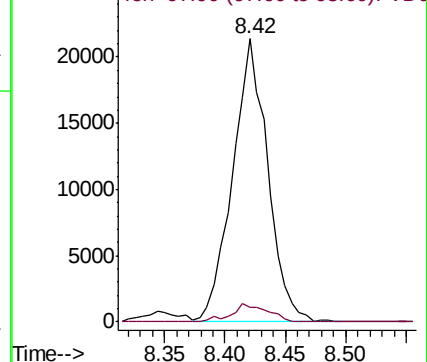
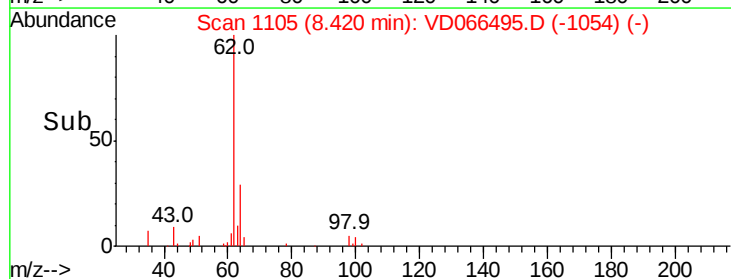
62 100

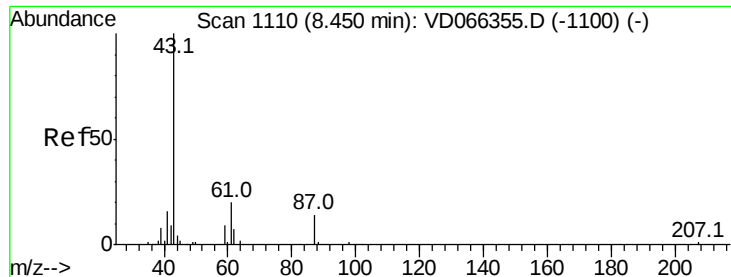
98 6.6 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.324 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

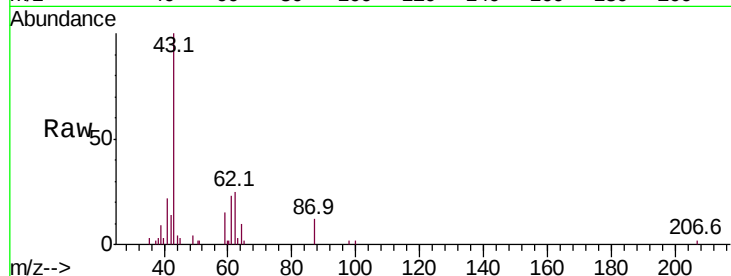
Tot Ion: 43 Resp: 23864

Ion Ratio Lower Upper

43 100

61 37.1 26.5 39.7

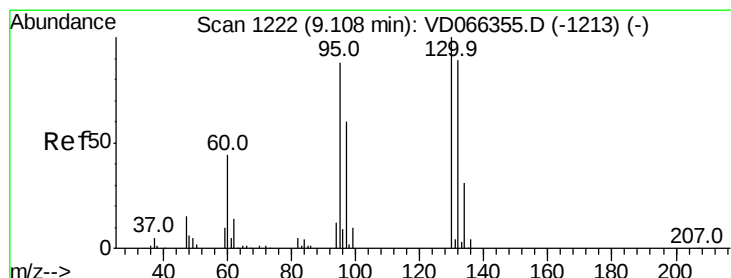
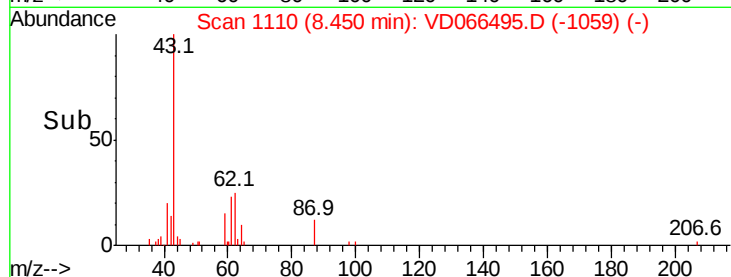
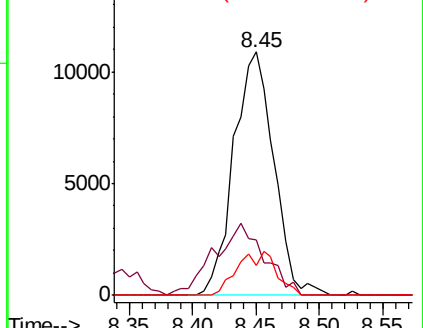
87 9.5 11.9 17.9#



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: 22.013 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066495.D

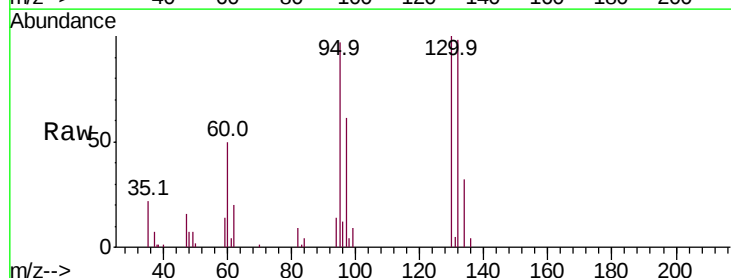
Acq: 01 Sep 2020 14:49

Tgt Ion:130 Resp: 35898

Ion Ratio Lower Upper

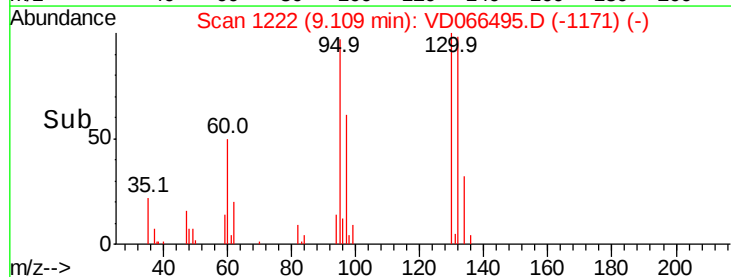
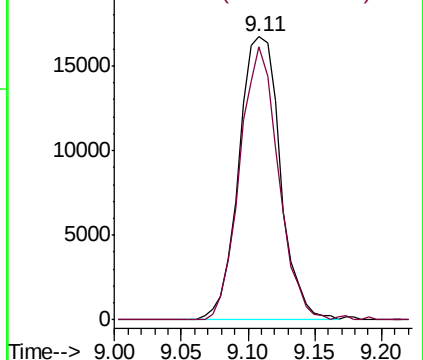
130 100

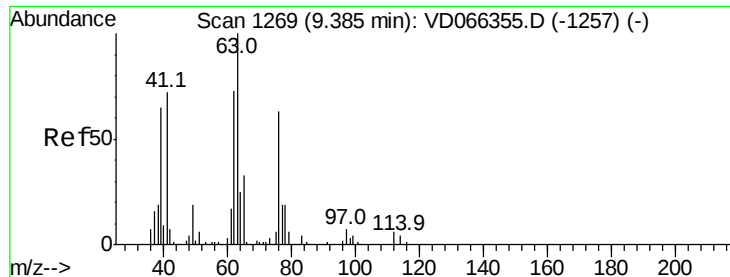
95 96.7 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.500 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

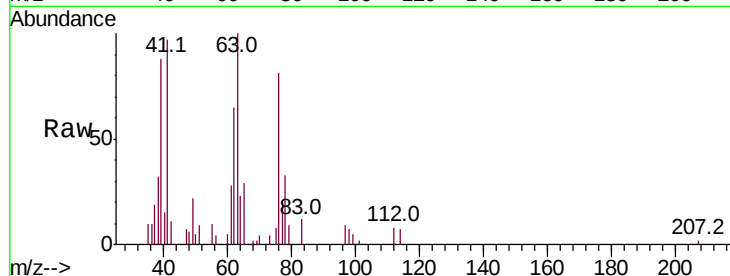
VD0901SBS01

Tot Ion: 63 Resp: 21049

Ion Ratio Lower Upper

63 100

65 29.1 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

10000

8000

6000

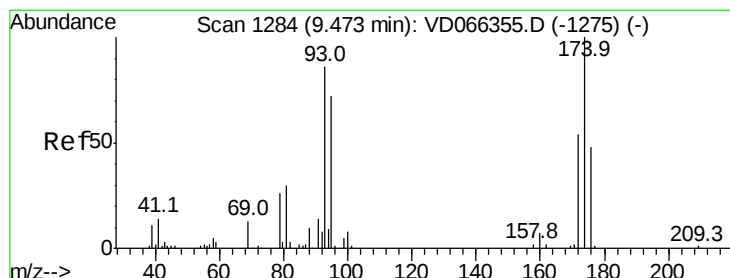
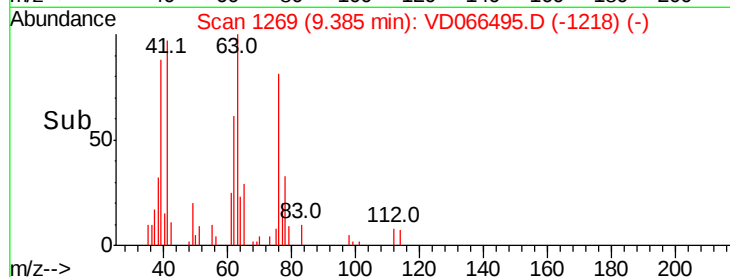
4000

2000

0

Time-->

9.30 9.35 9.40 9.45



#46

Dibromomethane

Concen: 20.501 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

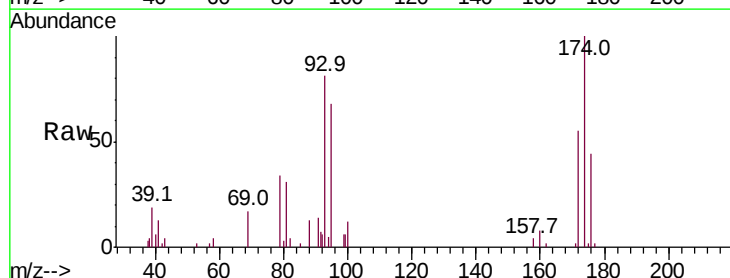
Tgt Ion: 93 Resp: 14523

Ion Ratio Lower Upper

93 100

95 80.1 66.0 99.0

174 125.3 94.6 141.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

12000

10000

8000

6000

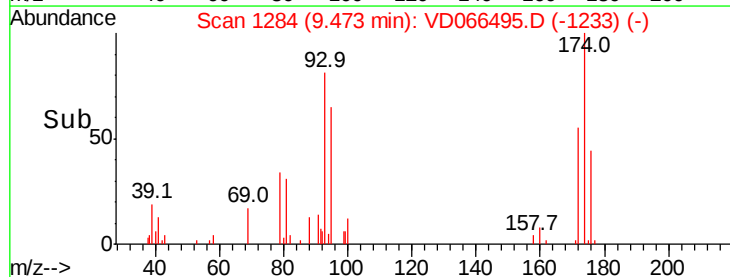
4000

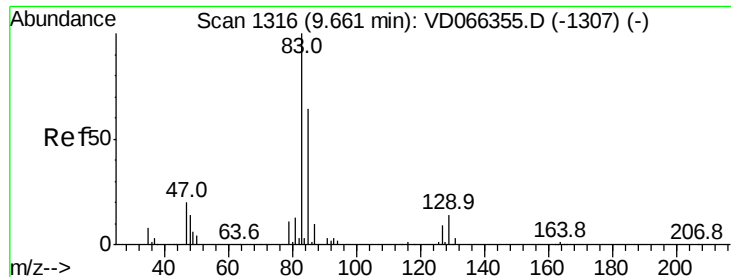
2000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 23.292 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

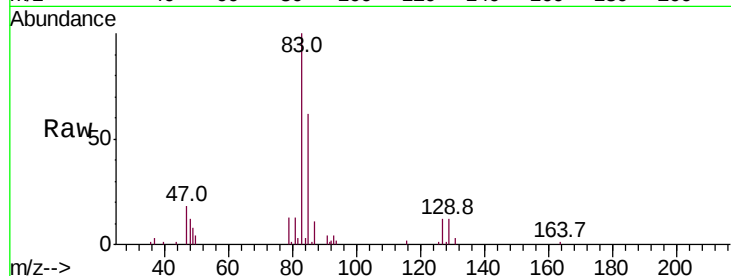
Tot Ion: 83 Resp: 45376

Ion Ratio Lower Upper

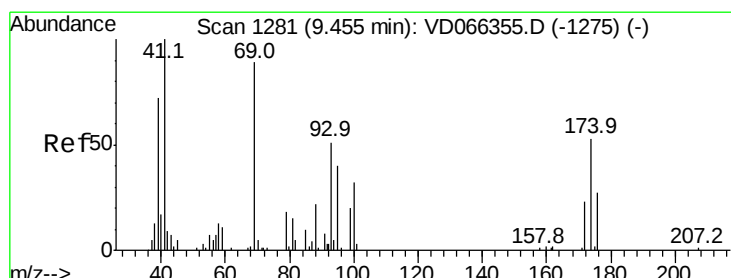
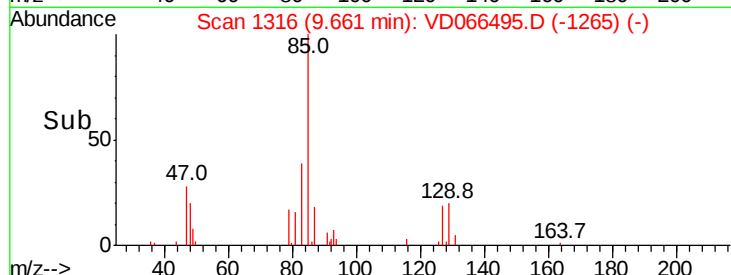
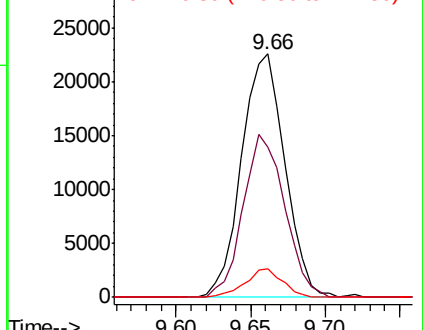
83 100

85 61.8 51.4 77.0

127 11.7 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.106 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

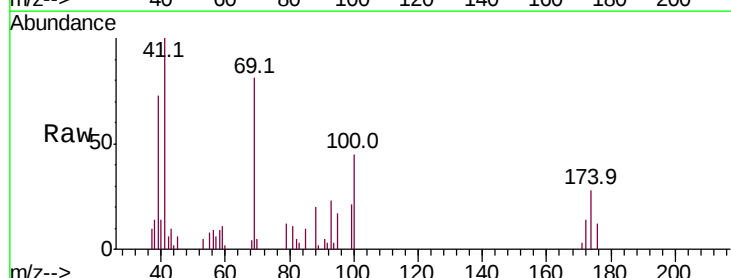
Tgt Ion: 41 Resp: 13503

Ion Ratio Lower Upper

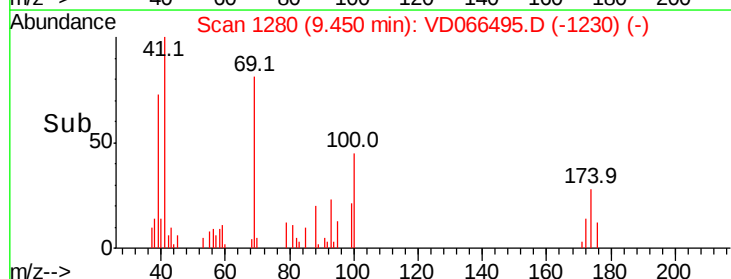
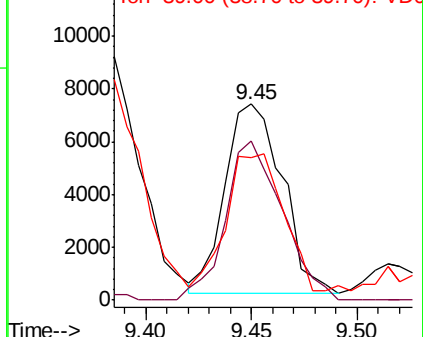
41 100

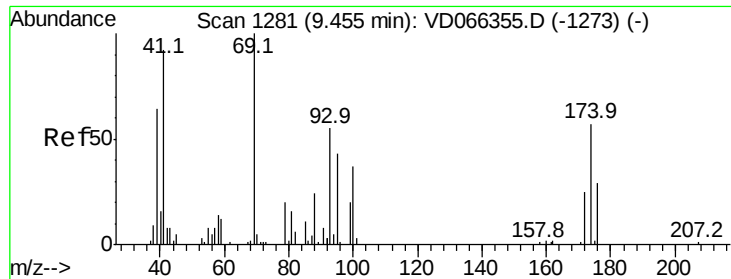
69 83.4 75.5 113.3

39 81.8 57.0 85.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

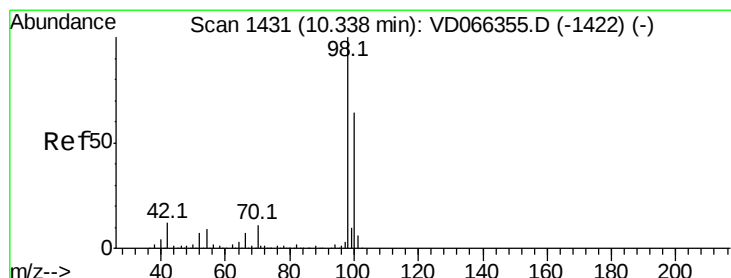
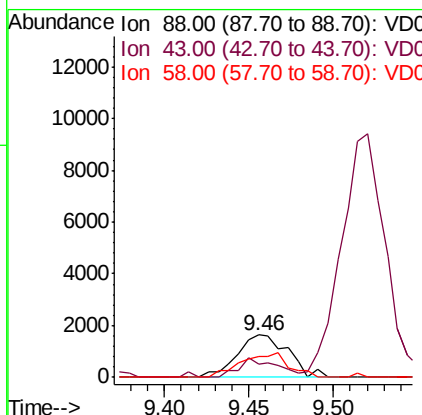
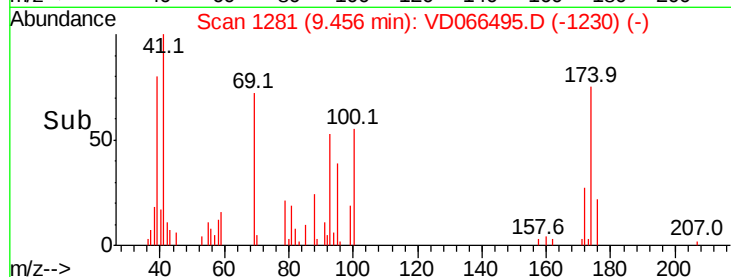
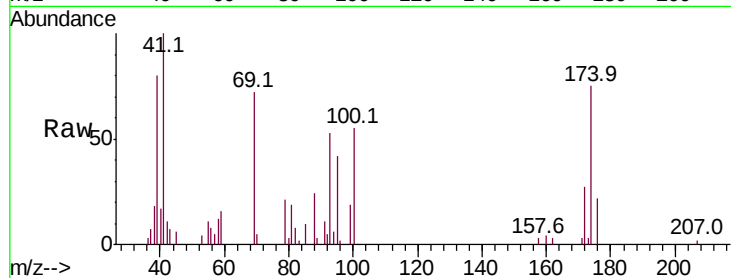




#49
1,4-Dioxane
Concen: 418.326 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

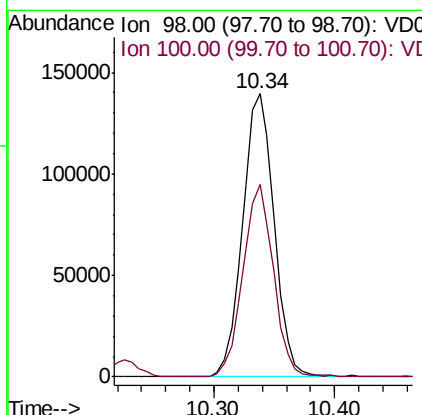
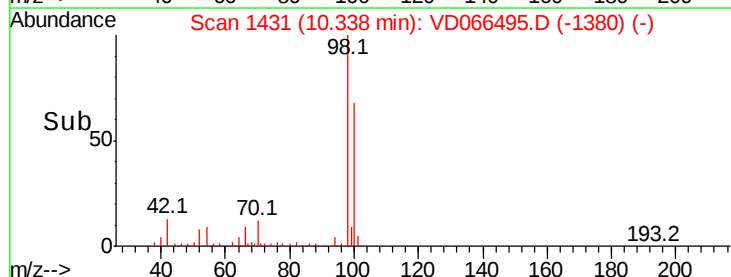
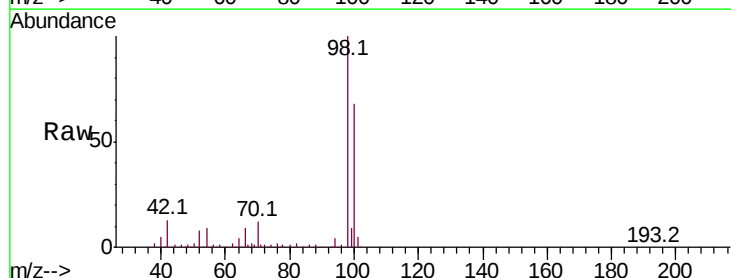
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

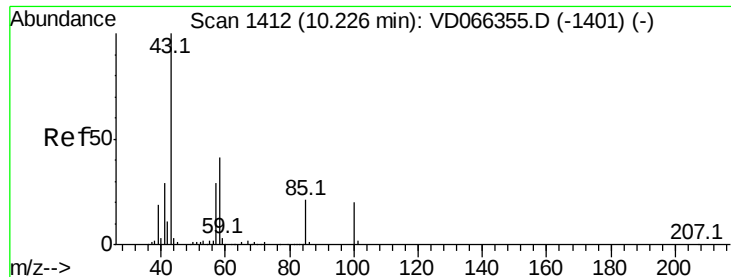
Tot Ion: 88 Resp: 3441
Ion Ratio Lower Upper
88 100
43 33.9 29.4 44.0
58 52.9 45.4 68.2



#50
Toluene-d8
Concen: 53.118 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion: 98 Resp: 254098
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 94.852 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

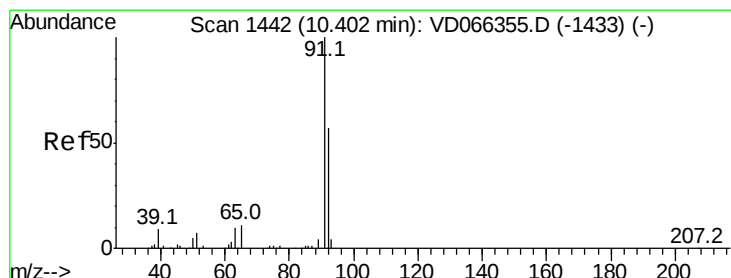
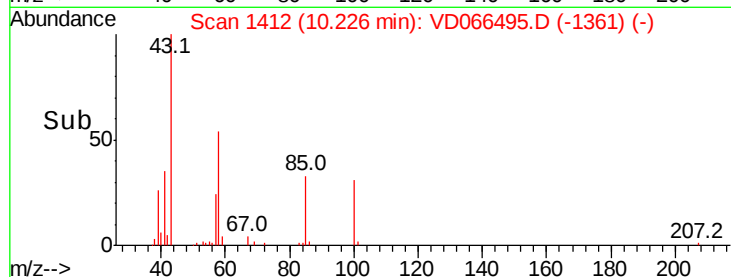
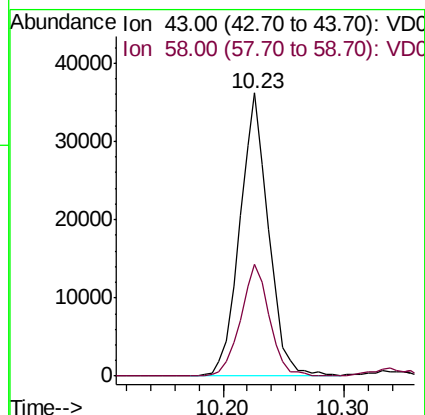
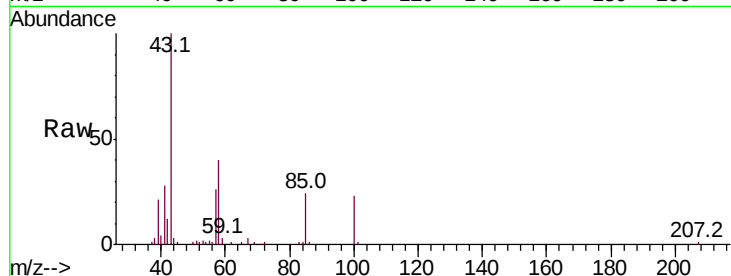
VD0901SBS01

Tot Ion: 43 Resp: 59759

Ion Ratio Lower Upper

43 100

58 39.7 31.4 47.2



#52

Toluene

Concen: 21.739 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066495.D

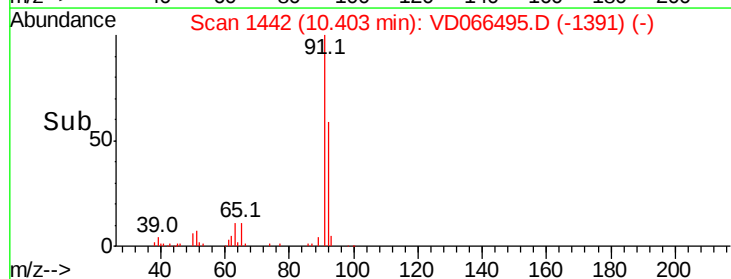
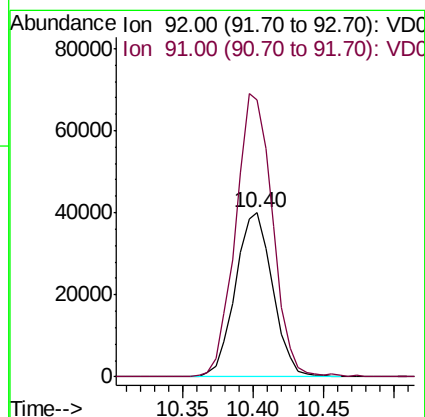
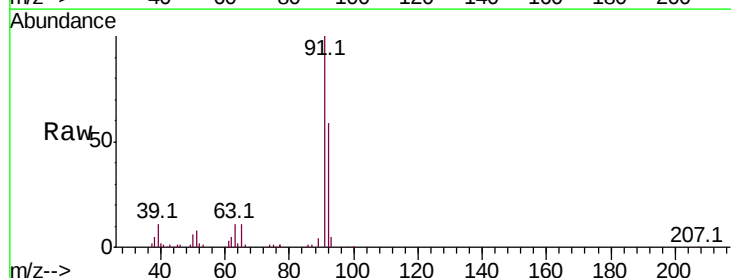
Acq: 01 Sep 2020 14:49

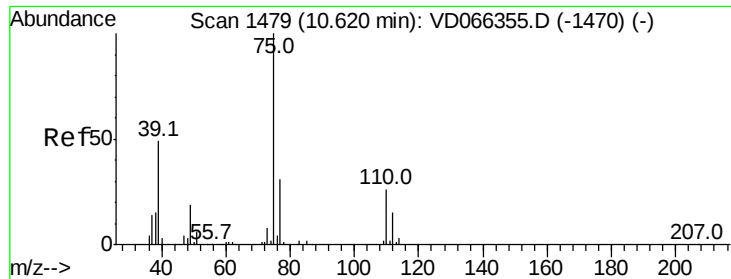
Tgt Ion: 92 Resp: 73915

Ion Ratio Lower Upper

92 100

91 171.3 135.8 203.6

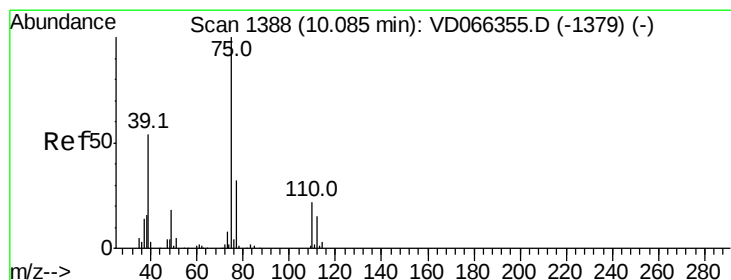
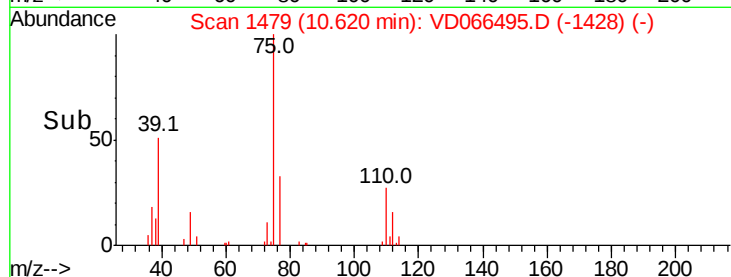
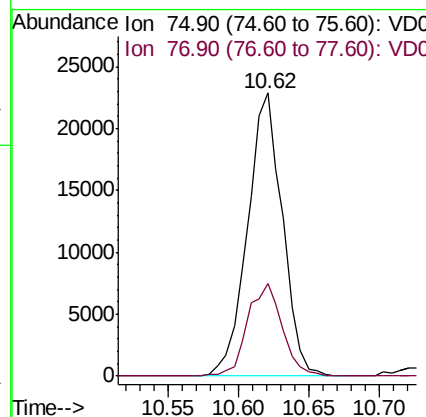
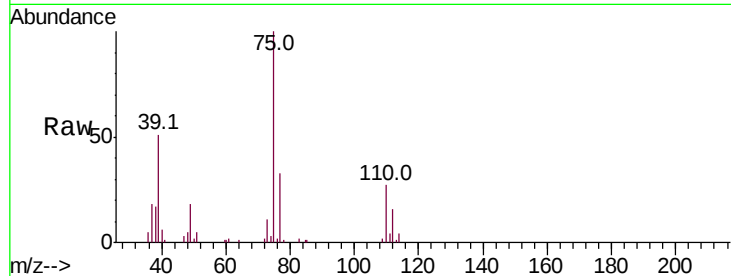




#53
 t-1,3-Dichloropropene
 Concen: 21.433 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

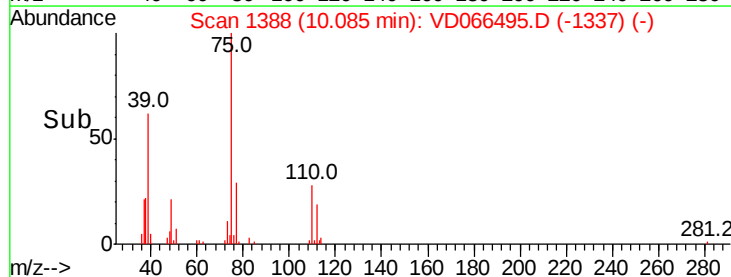
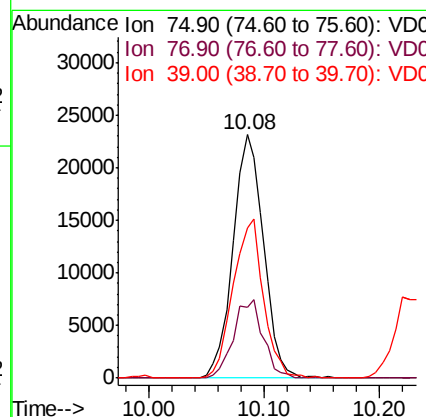
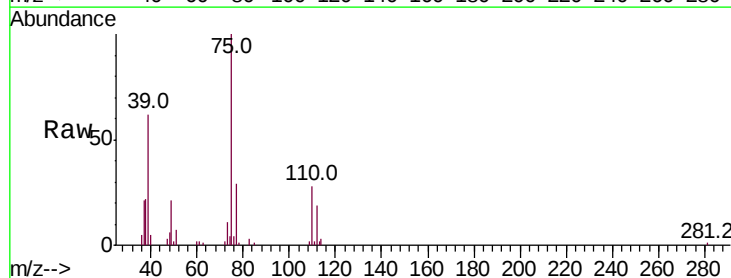
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBS01

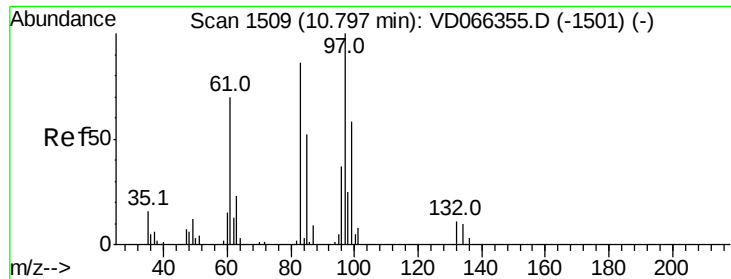
Tot Ion: 75 Resp: 39620
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.438 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

Tgt Ion: 75 Resp: 42407
 Ion Ratio Lower Upper
 75 100
 77 29.1 25.6 38.4
 39 61.5 43.4 65.0





#55

1,1,2-Trichloroethane

Concen: 19.969 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

Tot Ion: 97 Resp: 19150

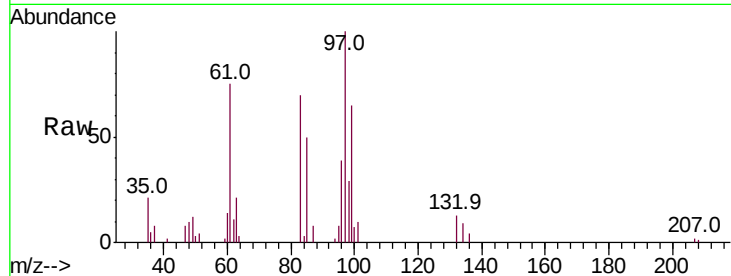
Ion Ratio Lower Upper

97 100

83 70.5 68.4 102.6

85 49.9 41.3 61.9

99 65.2 46.1 69.1

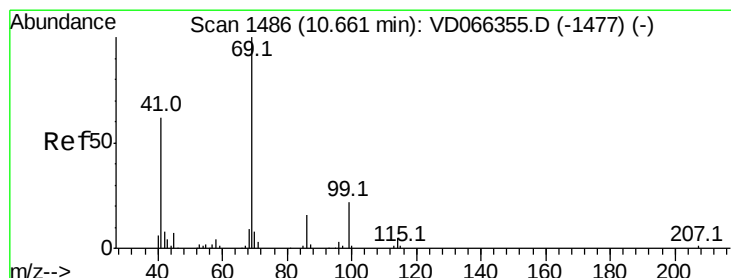
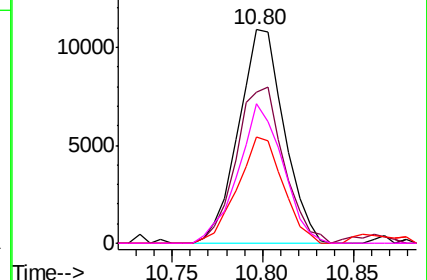
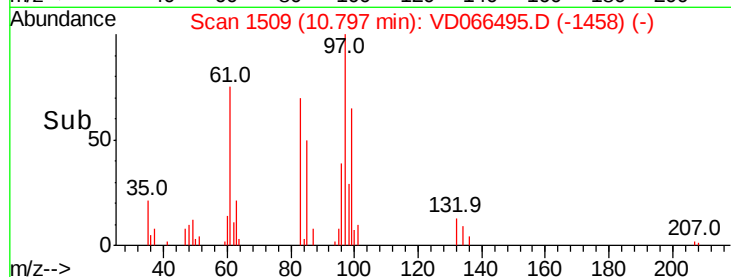


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 20.180 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

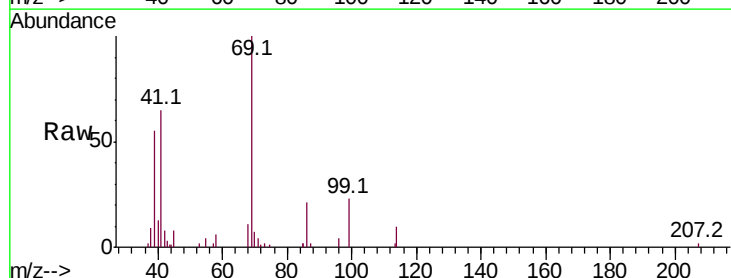
Tgt Ion: 69 Resp: 22403

Ion Ratio Lower Upper

69 100

41 67.5 50.8 76.2

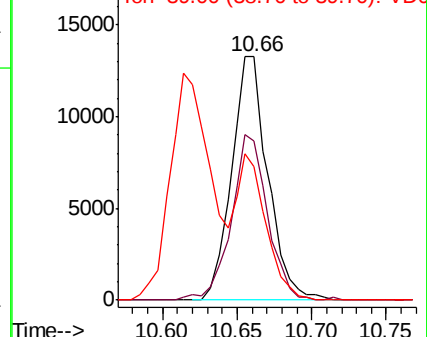
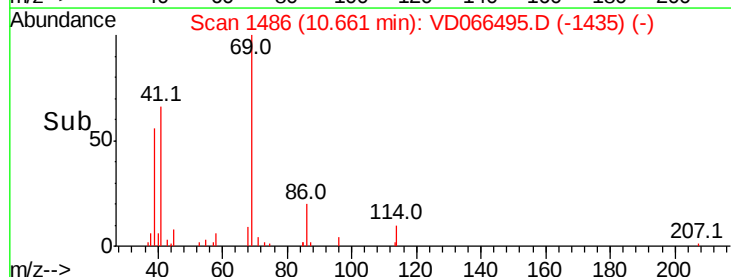
39 49.1 32.9 49.3

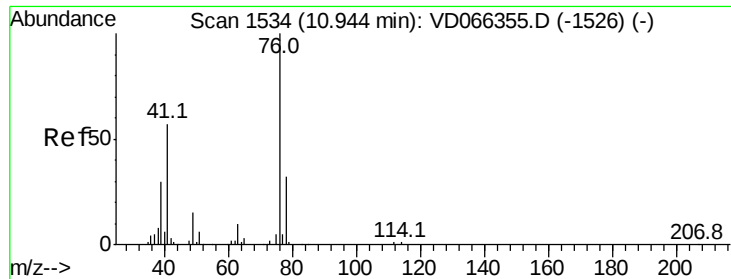


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.842 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

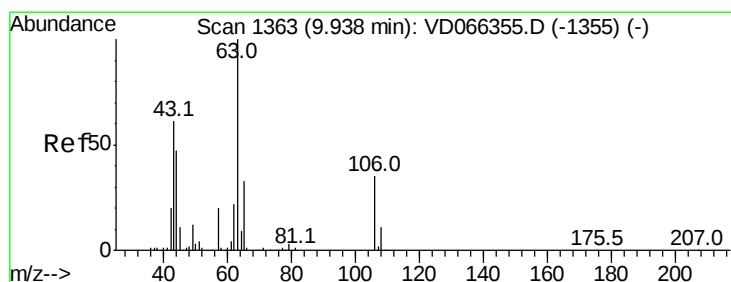
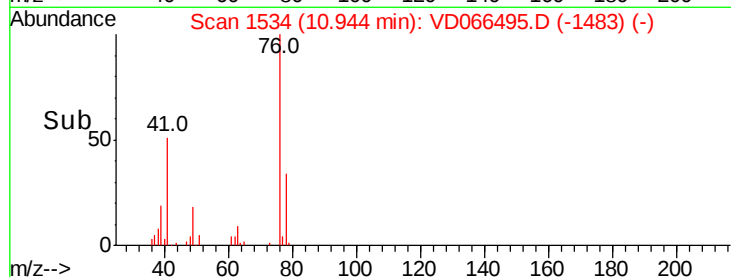
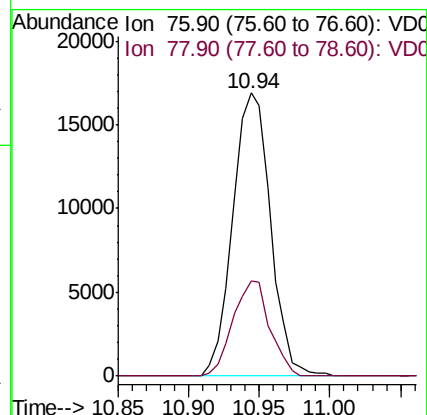
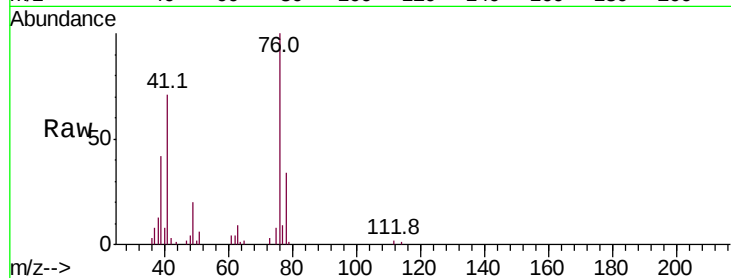
VD0901SBS01

Tot Ion: 76 Resp: 31476

Ion Ratio Lower Upper

76 100

78 32.9 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 92.014 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066495.D

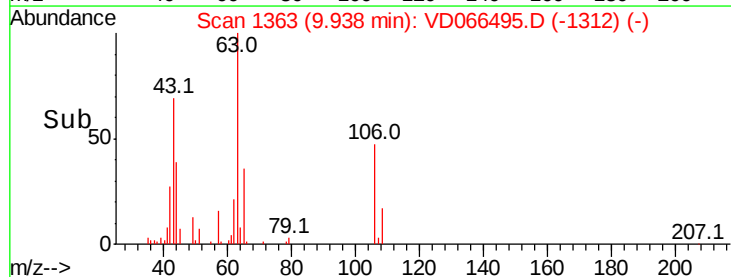
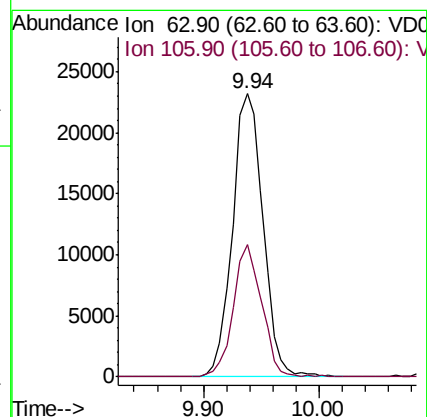
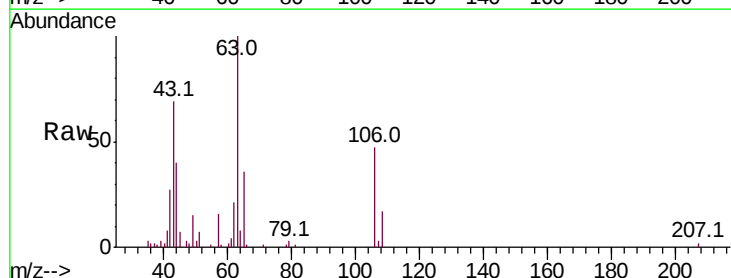
Acq: 01 Sep 2020 14:49

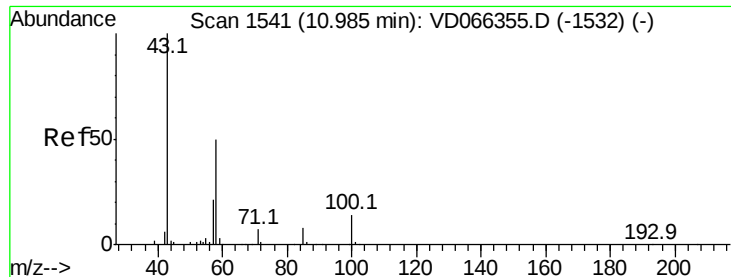
Tgt Ion: 63 Resp: 42426

Ion Ratio Lower Upper

63 100

106 43.3 27.1 40.7#

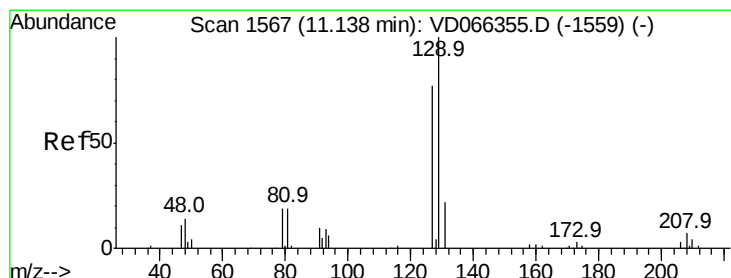
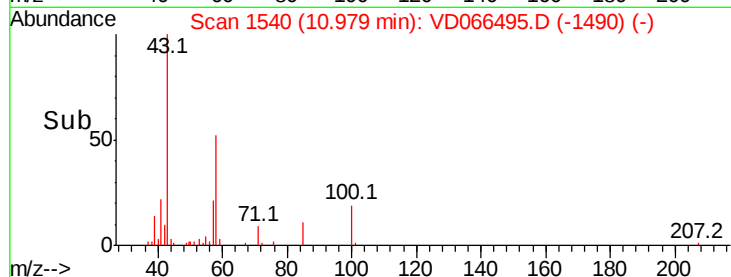
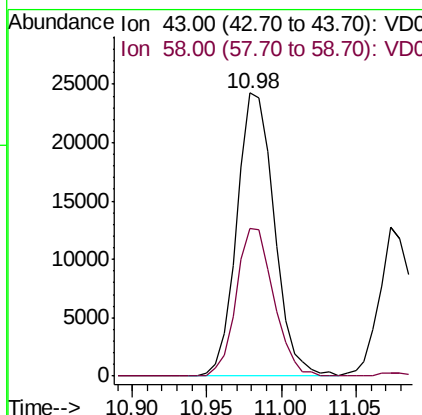
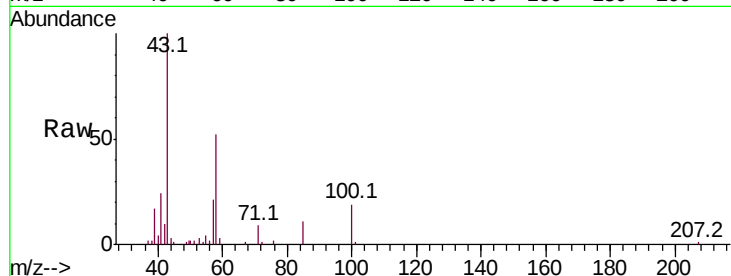




#59
2-Hexanone
Concen: 95.279 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

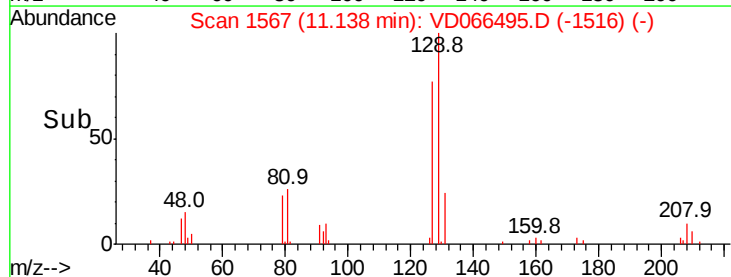
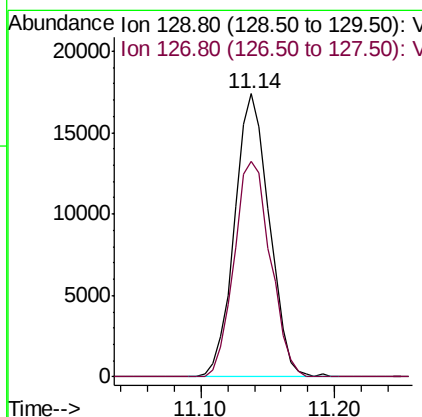
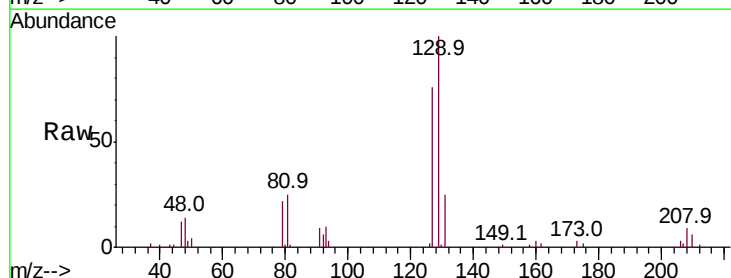
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

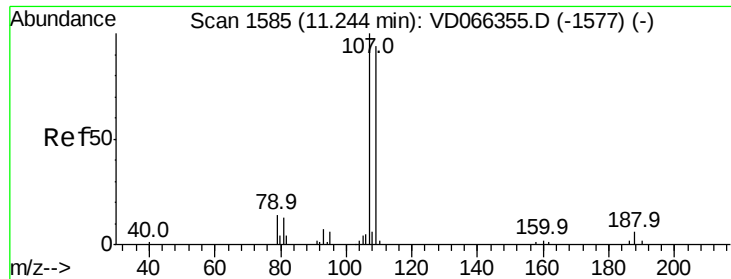
Tot Ion: 43 Resp: 42342
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.8



#60
Dibromochloromethane
Concen: 21.654 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion: 129 Resp: 31302
Ion Ratio Lower Upper
129 100
127 79.6 39.0 117.0

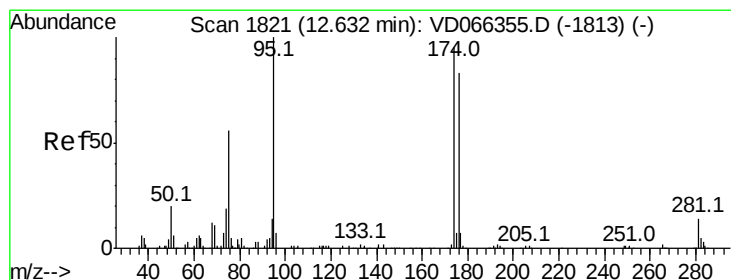
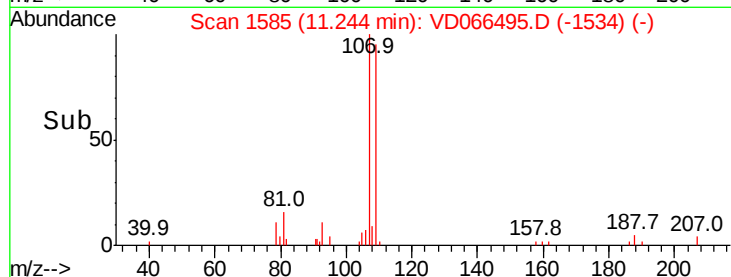
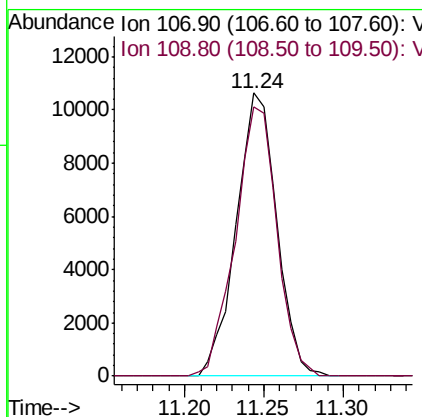
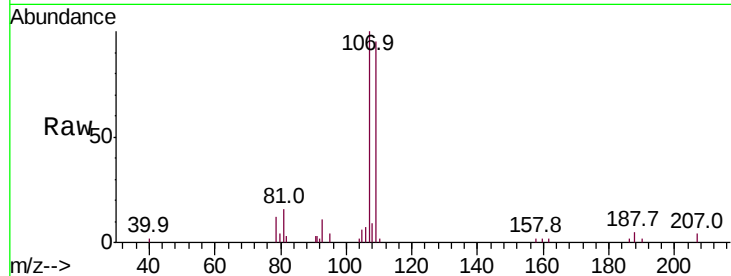




#61
 1,2-Dibromoethane
 Concen: 19.998 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

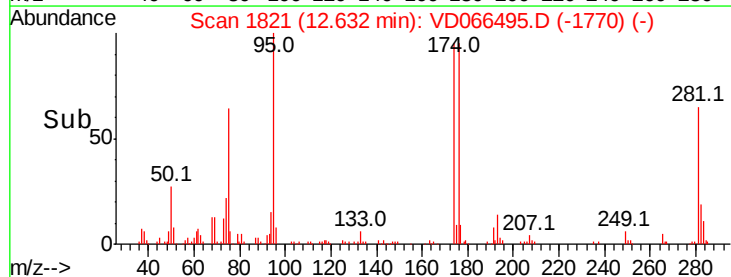
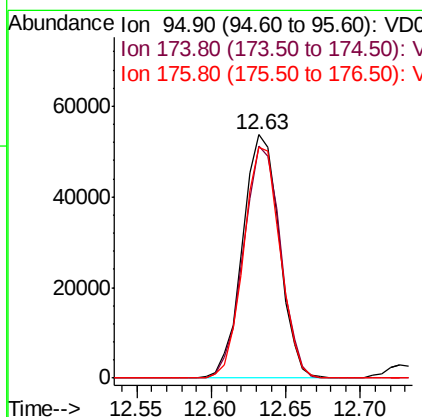
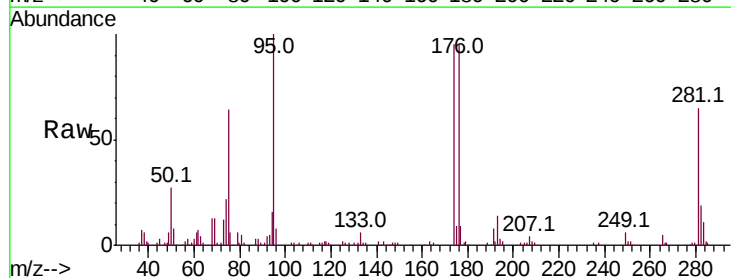
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBS01

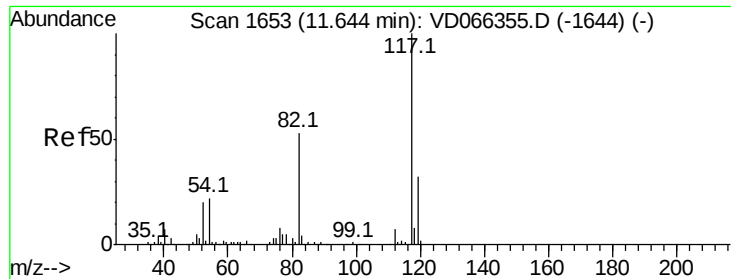
Tot Ion:107 Resp: 18873
 Ion Ratio Lower Upper
 107 100
 109 97.9 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 53.851 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

Tgt Ion: 95 Resp: 91409
 Ion Ratio Lower Upper
 95 100
 174 96.0 0.0 183.4
 176 94.0 0.0 173.8

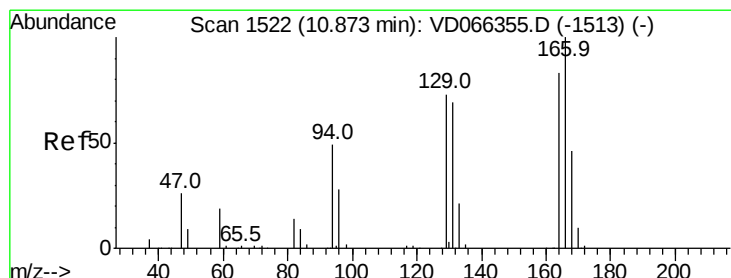
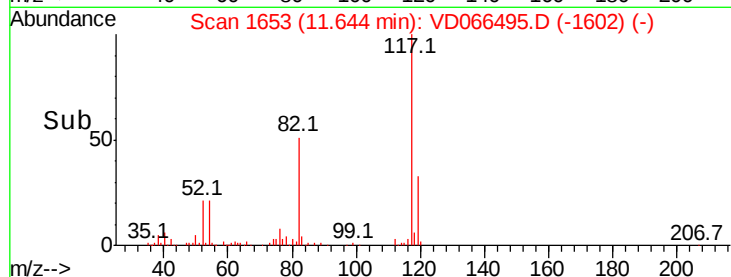
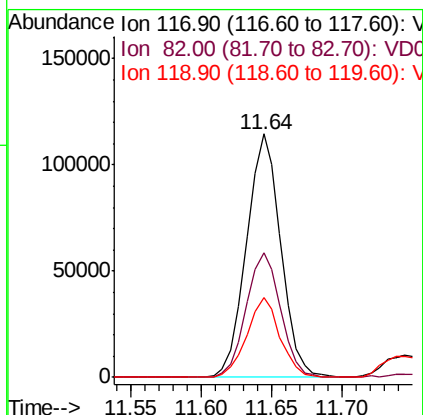
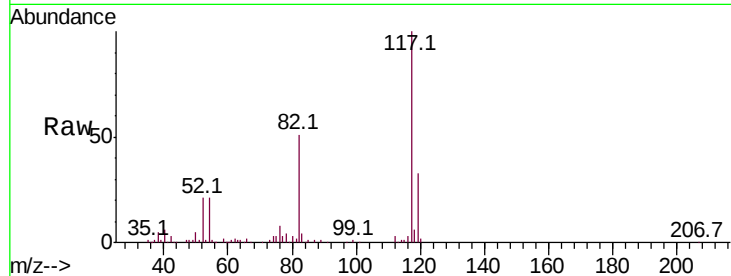




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

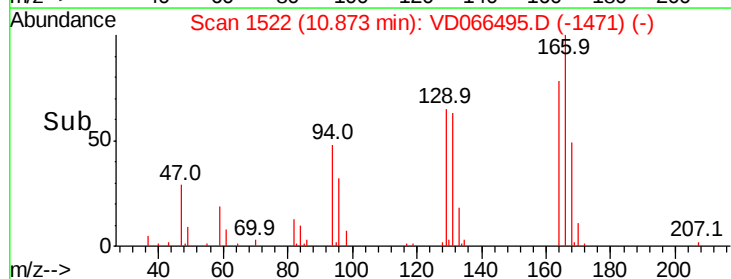
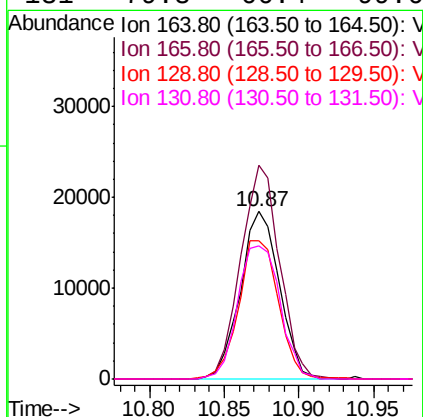
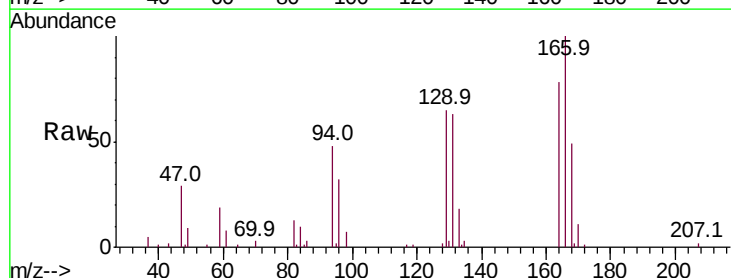
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

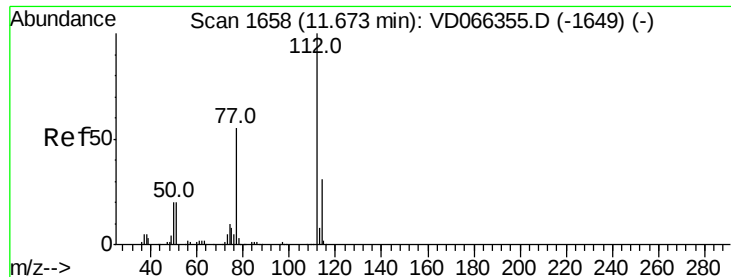
Tot Ion:117 Resp: 195392
Ion Ratio Lower Upper
117 100
82 51.0 42.8 64.2
119 32.6 25.8 38.8



#64
Tetrachloroethene
Concen: 22.555 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion:164 Resp: 33431
Ion Ratio Lower Upper
164 100
166 127.6 96.2 144.4
129 82.9 70.3 105.5
131 79.8 66.4 99.6





#65

Chlorobenzene

Concen: 21.408 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

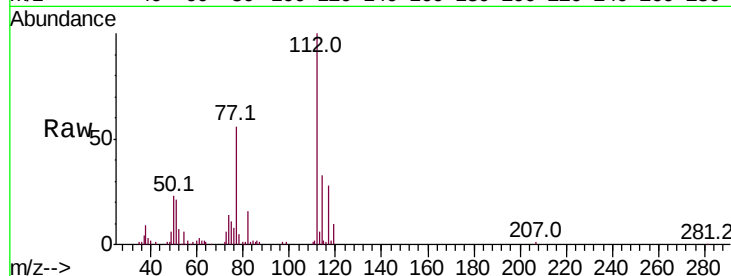
VD0901SBS01

Tot Ion:112 Resp: 83219

Ion Ratio Lower Upper

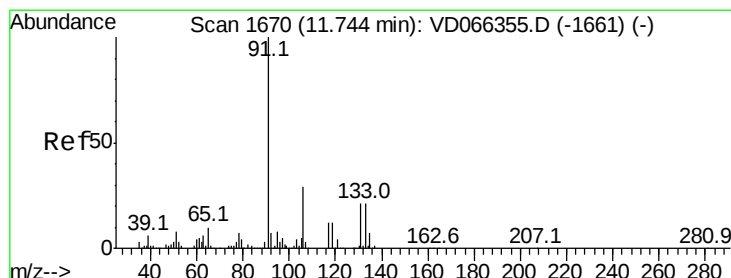
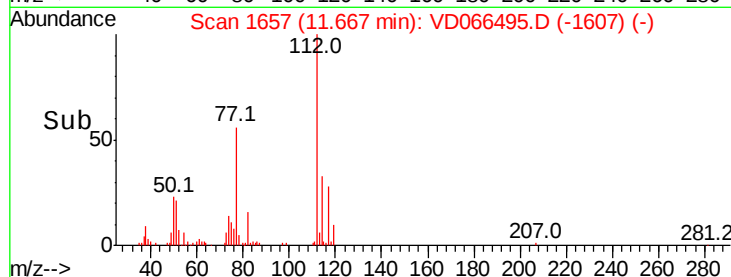
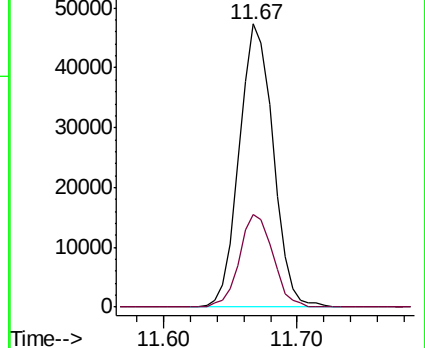
112 100

114 32.6 25.1 37.7



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: 21.298 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

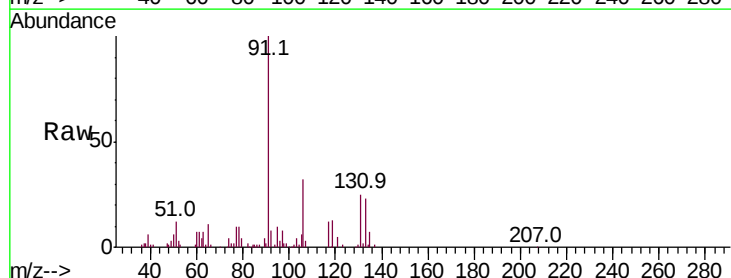
Tgt Ion:131 Resp: 33834

Ion Ratio Lower Upper

131 100

133 97.5 48.6 145.9

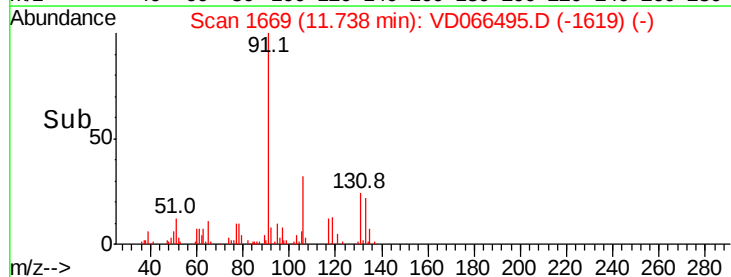
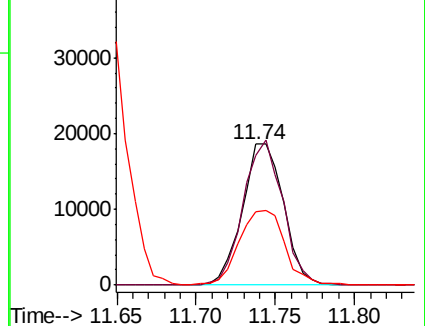
119 58.3 29.0 87.1

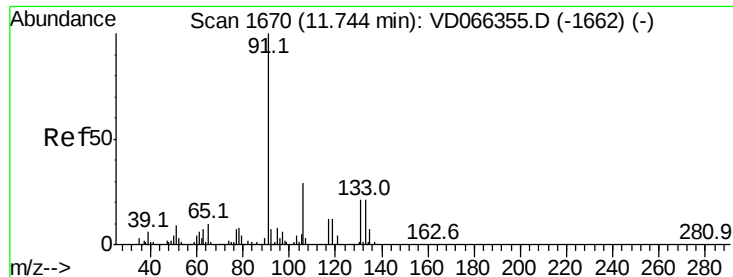


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.194 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

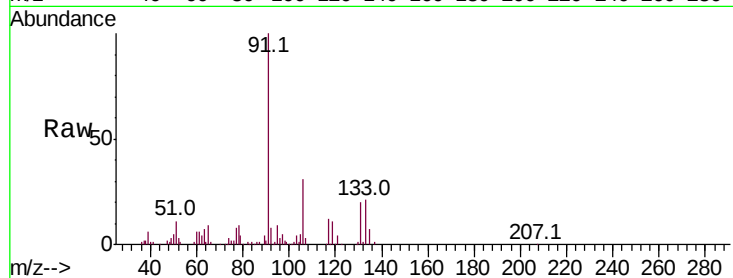
VD0901SBS01

Tot Ion: 91 Resp: 145027

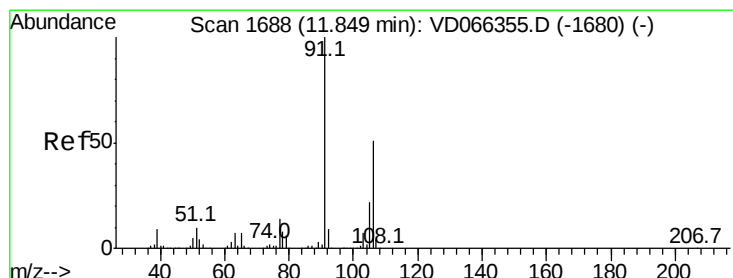
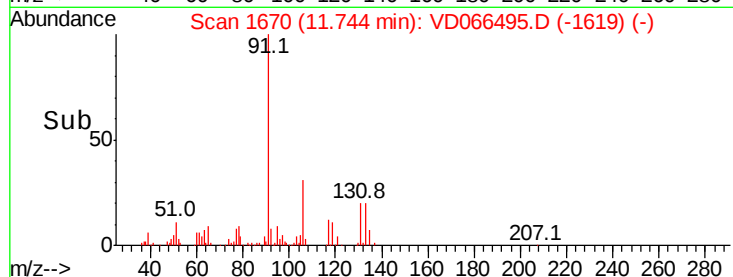
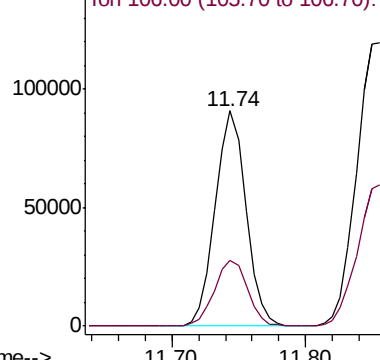
Ion Ratio Lower Upper

91 100

106 30.7 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VD066495.D (-1619) (-)



#68

m/p-Xylenes

Concen: 44.401 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066495.D

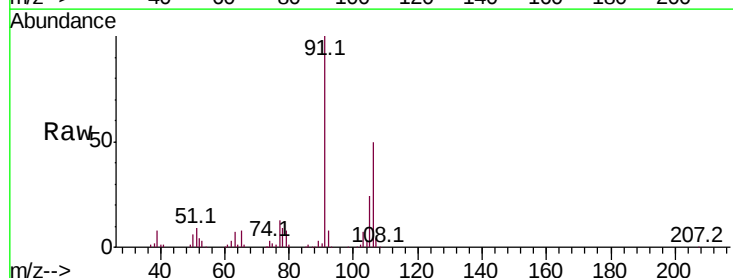
Acq: 01 Sep 2020 14:49

Tgt Ion: 106 Resp: 115804

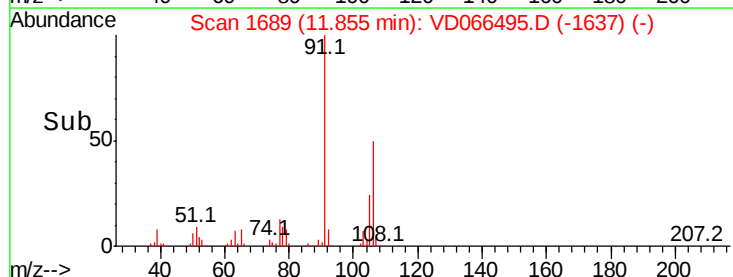
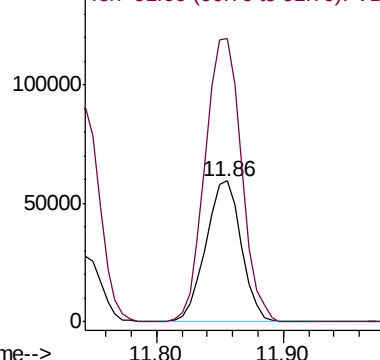
Ion Ratio Lower Upper

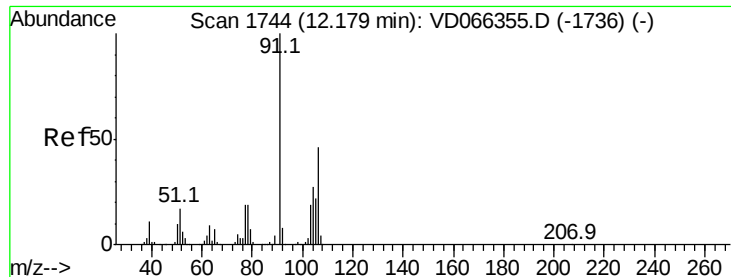
106 100

91 205.6 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066495.D (-1637) (-)

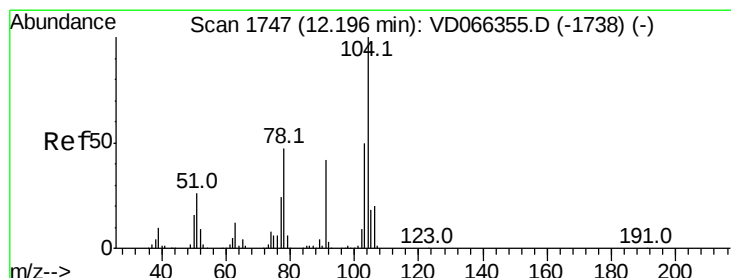
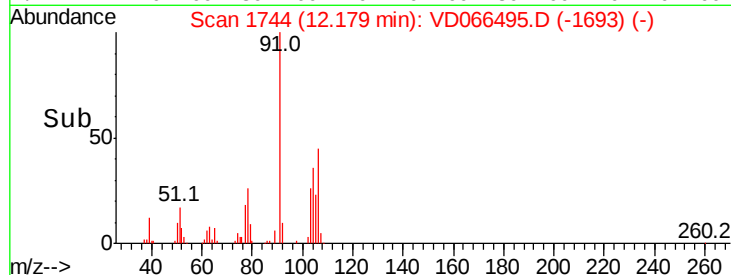
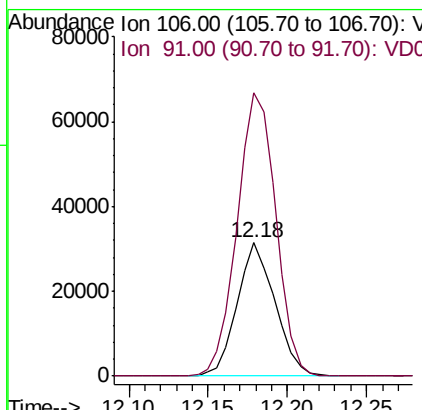
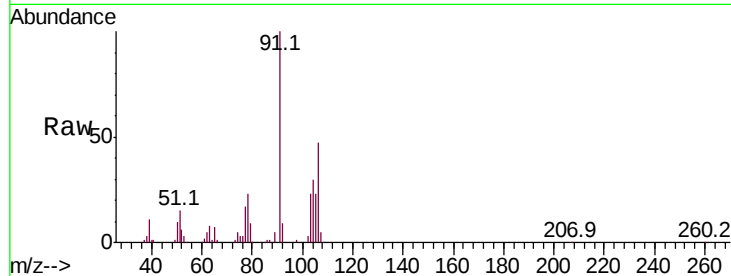




#69
o-Xylene
Concen: 21.384 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

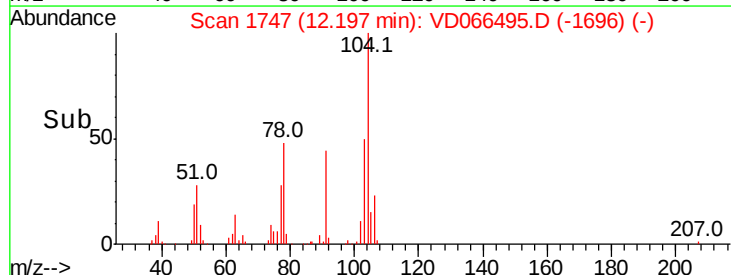
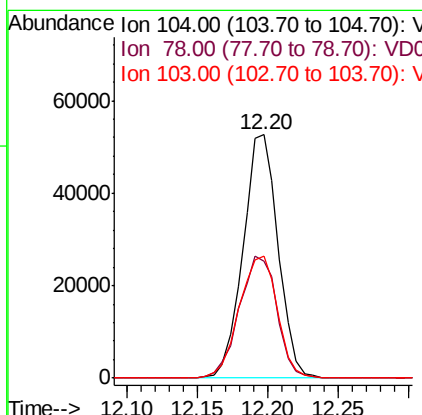
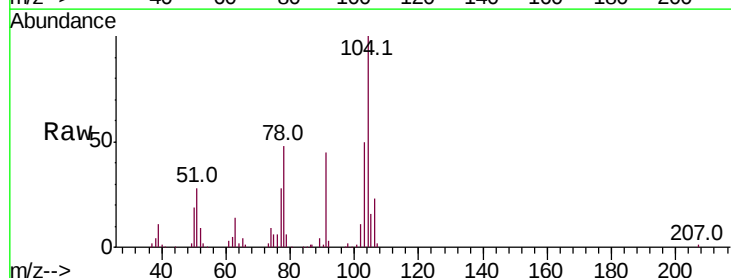
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

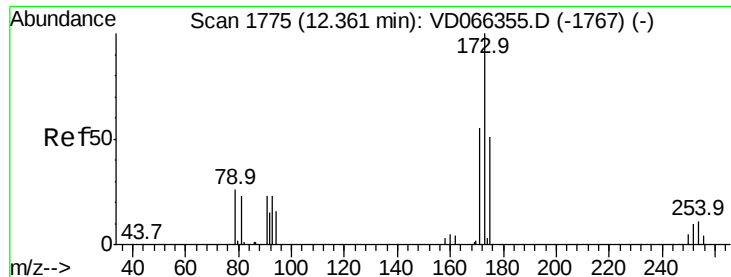
Tot Ion:106 Resp: 51885
Ion Ratio Lower Upper
106 100
91 218.1 109.1 327.3



#70
Styrene
Concen: 21.961 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion:104 Resp: 91491
Ion Ratio Lower Upper
104 100
78 53.9 41.7 62.5
103 54.6 43.5 65.3

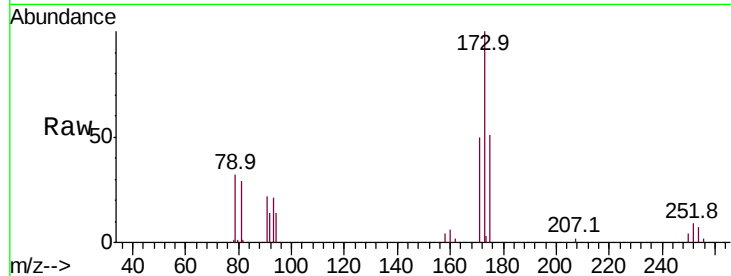




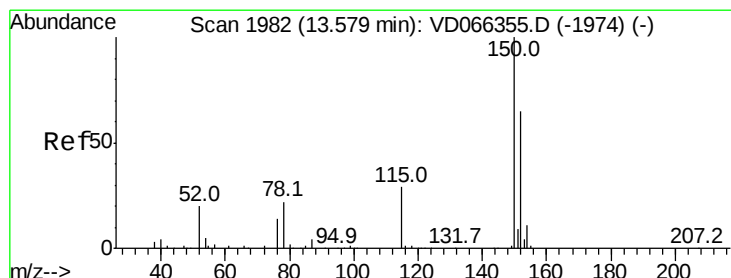
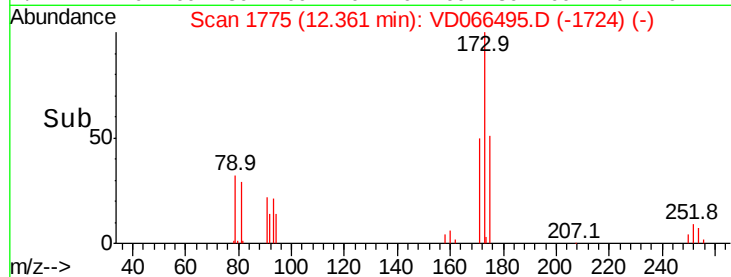
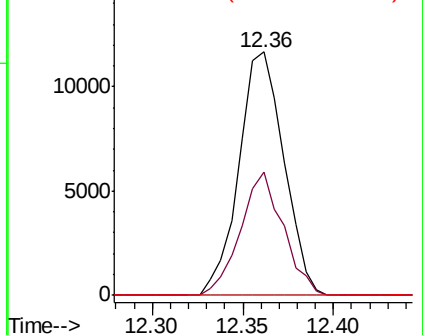
#71
Bromoform
Concen: 22.387 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

Tot Ion:173 Resp: 20177
Ion Ratio Lower Upper
173 100
175 48.0 24.8 74.3
254 0.0 0.0 0.0

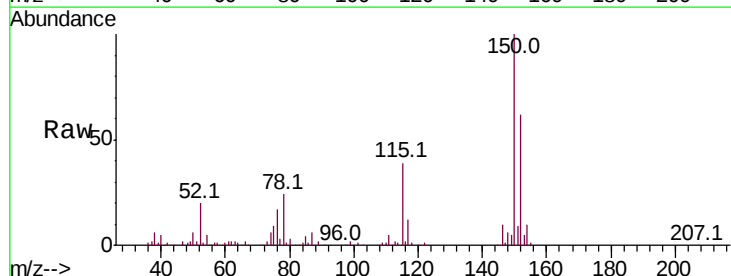


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

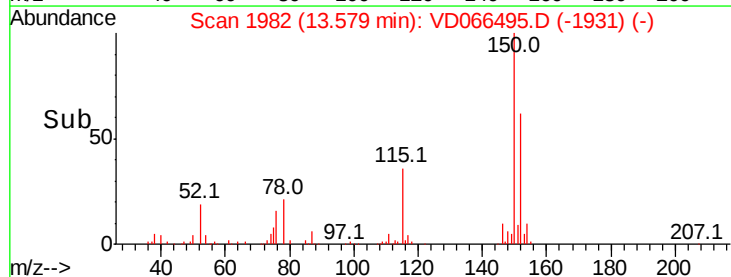
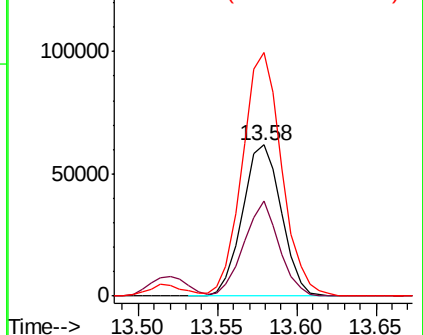


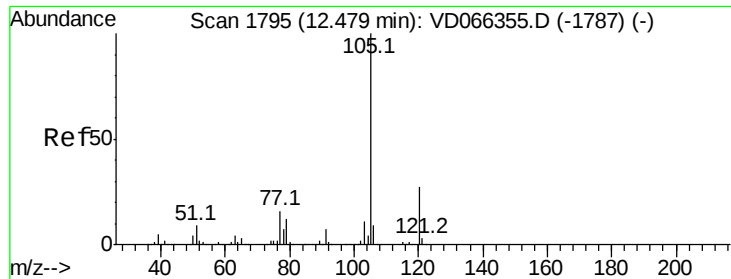
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion:152 Resp: 105354
Ion Ratio Lower Upper
152 100
115 56.5 28.3 85.0
150 163.1 0.0 343.2



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





#73

Isopropylbenzene

Concen: 21.398 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

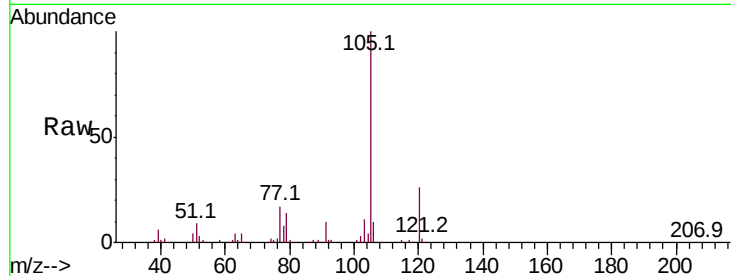
VD0901SBS01

Tot Ion:105 Resp: 151016

Ion Ratio Lower Upper

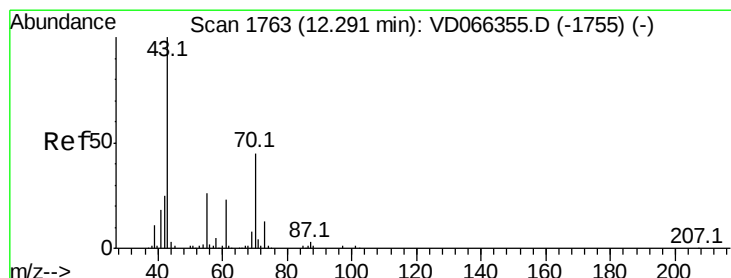
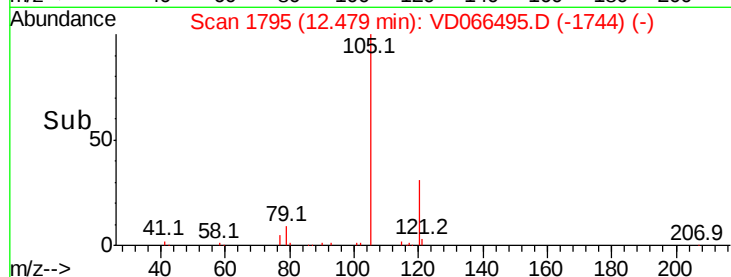
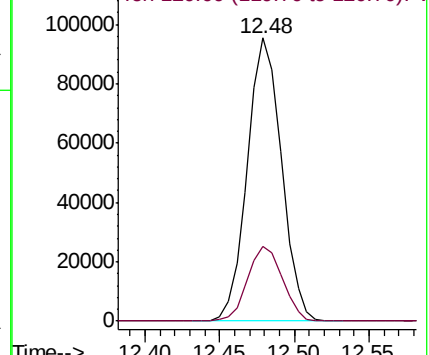
105 100

120 26.8 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.884 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Tgt Ion: 43 Resp: 22797

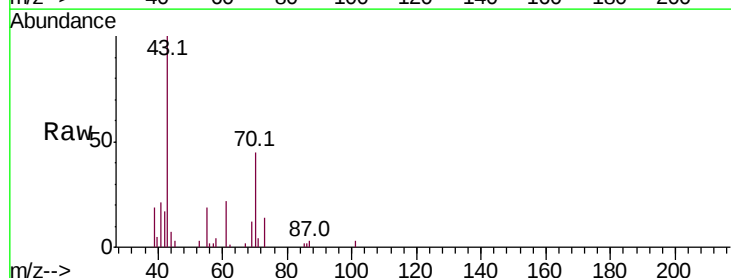
Ion Ratio Lower Upper

43 100

70 43.9 34.8 52.2

55 25.9 20.3 30.5

61 24.2 19.0 28.6

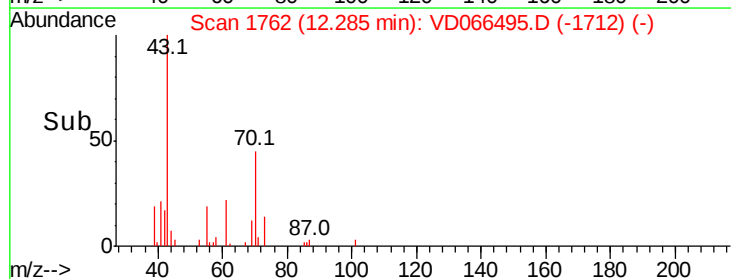
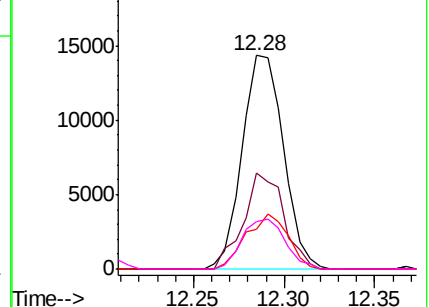


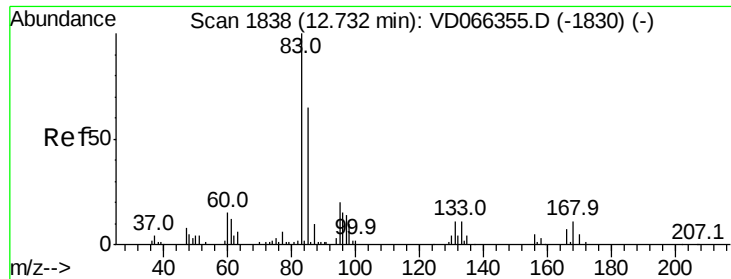
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.929 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

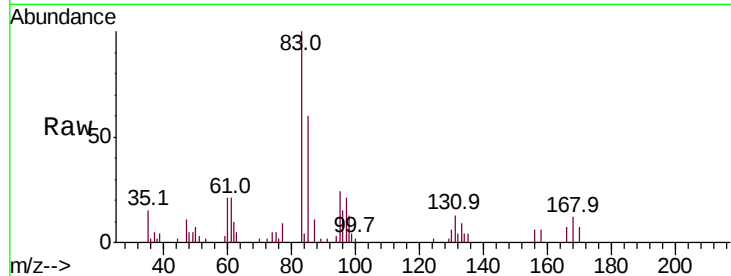
Tot Ion: 83 Resp: 19084

Ion Ratio Lower Upper

83 100

131 15.7 7.0 20.9

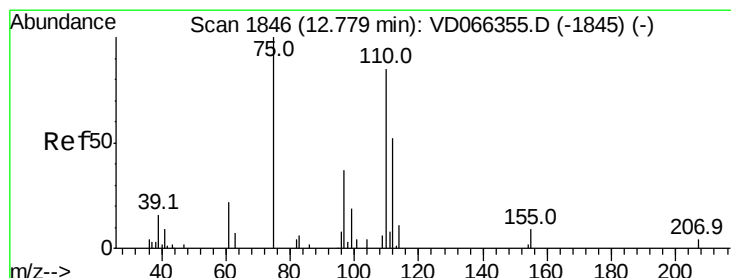
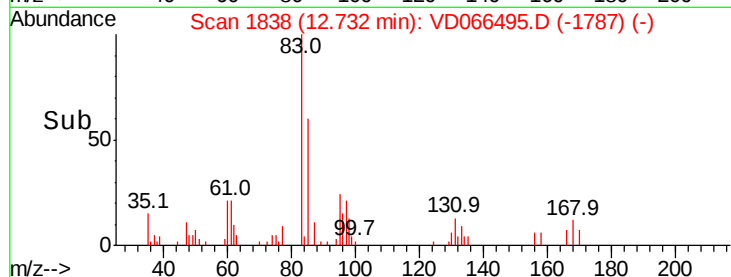
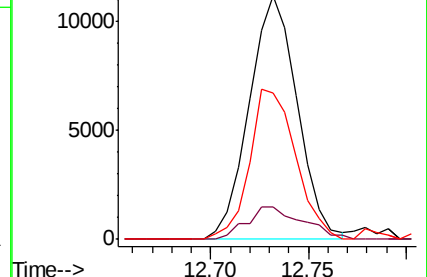
85 59.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.271 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066495.D

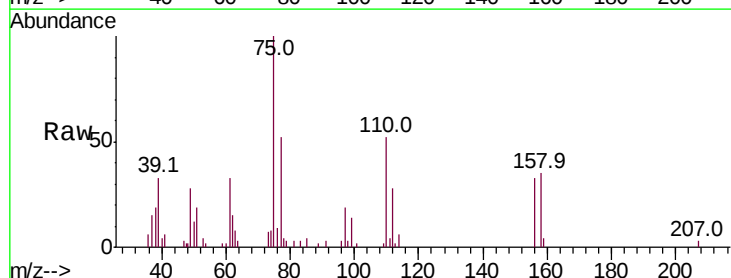
Acq: 01 Sep 2020 14:49

Tgt Ion: 75 Resp: 28365

Ion Ratio Lower Upper

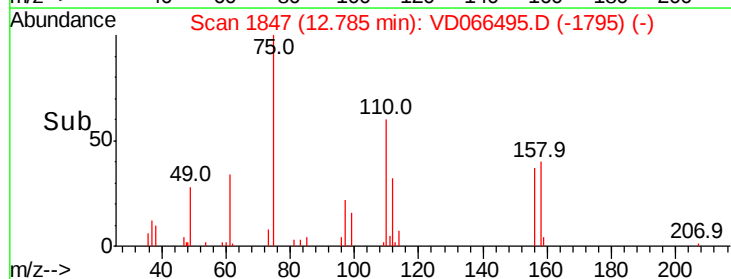
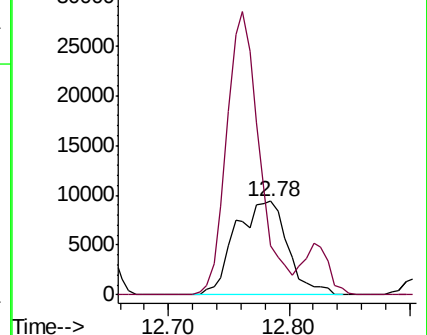
75 100

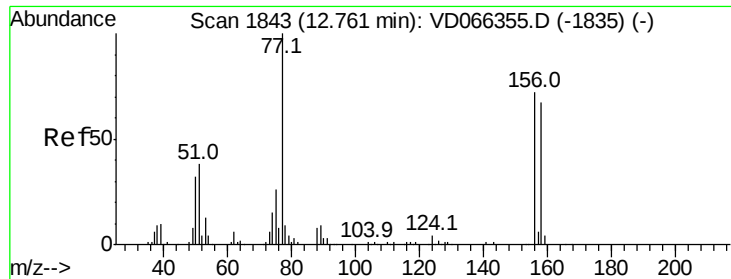
77 0.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.924 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

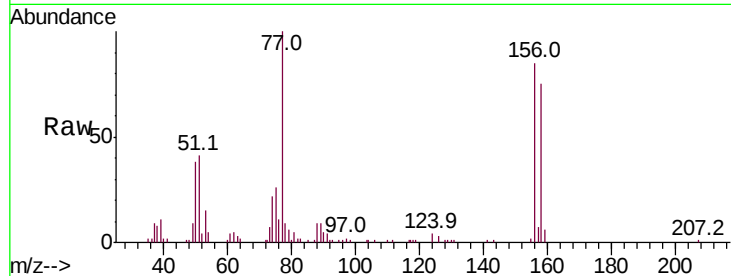
Tot Ion:156 Resp: 39272

Ion Ratio Lower Upper

156 100

77 136.4 76.1 228.3

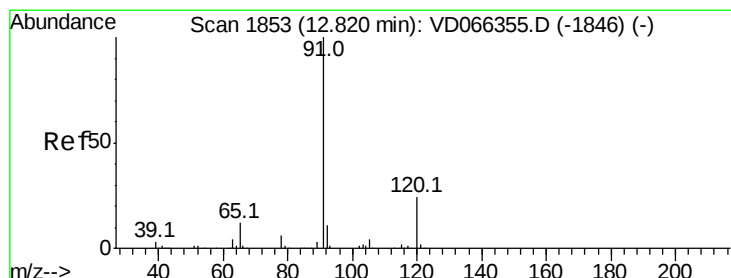
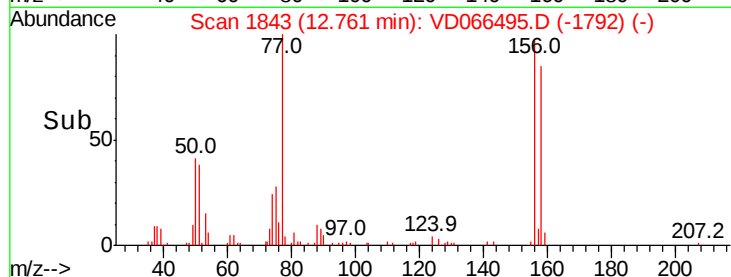
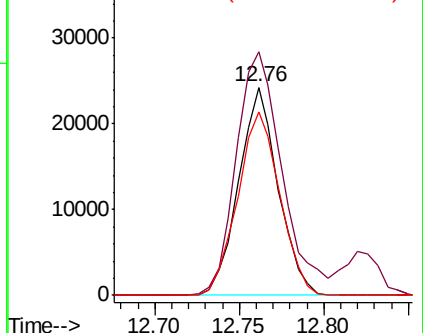
158 94.2 47.6 142.9



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: 20.859 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066495.D

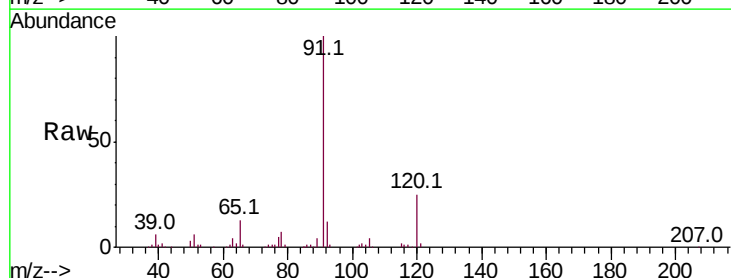
Acq: 01 Sep 2020 14:49

Tgt Ion: 91 Resp: 168794

Ion Ratio Lower Upper

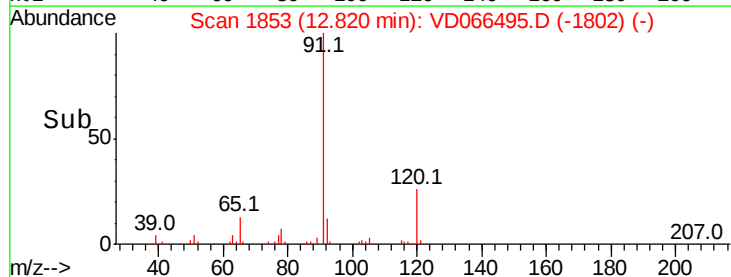
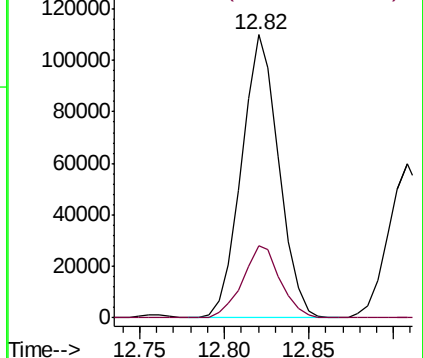
91 100

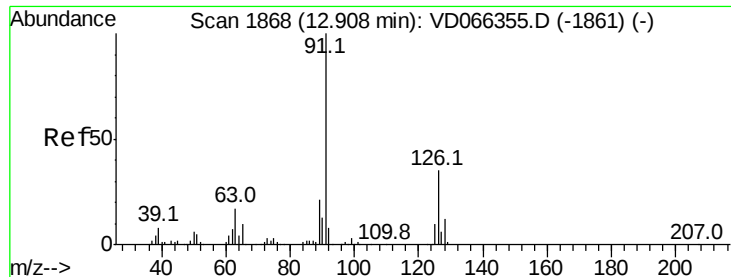
120 25.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.602 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

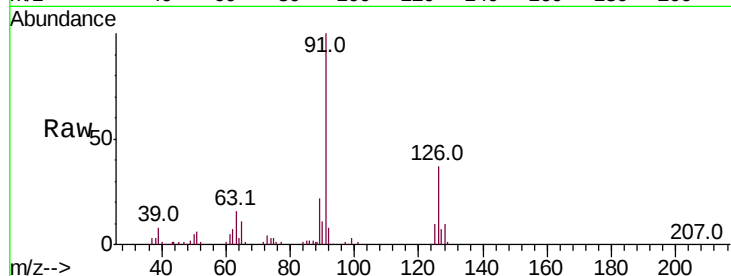
VD0901SBS01

Tot Ion: 91 Resp: 95216

Ion Ratio Lower Upper

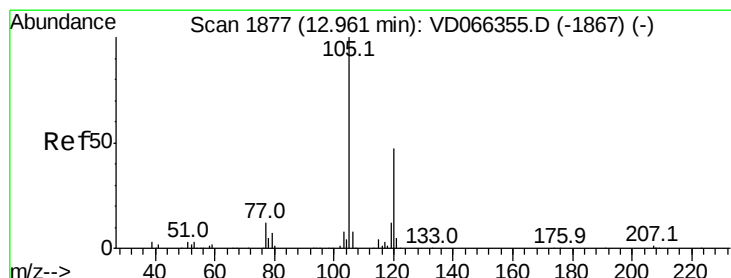
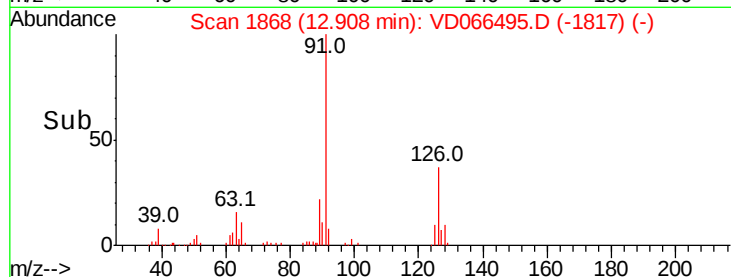
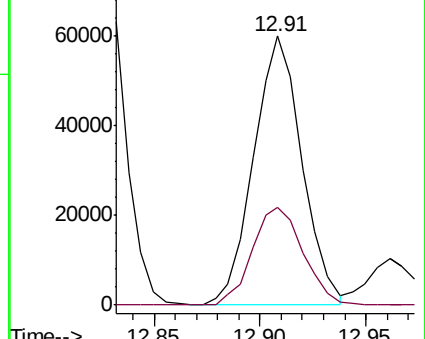
91 100

126 38.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.584 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066495.D

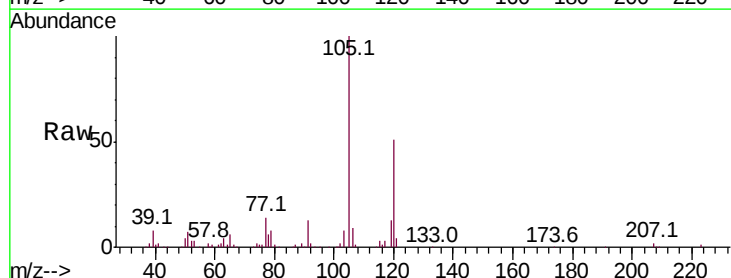
Acq: 01 Sep 2020 14:49

Tgt Ion:105 Resp: 131523

Ion Ratio Lower Upper

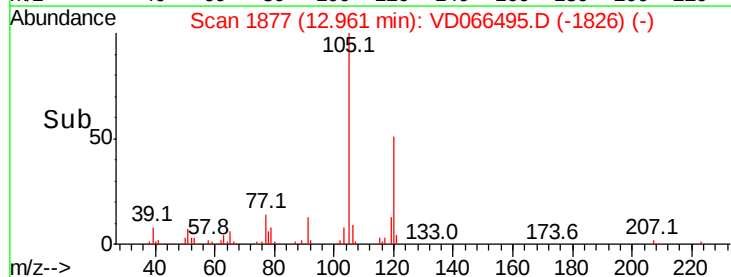
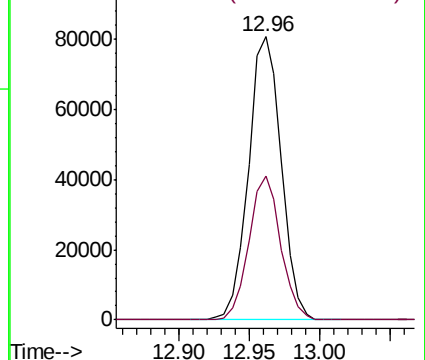
105 100

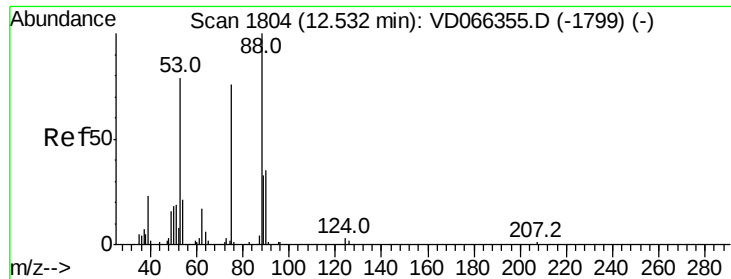
120 49.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.911 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0901SBS01

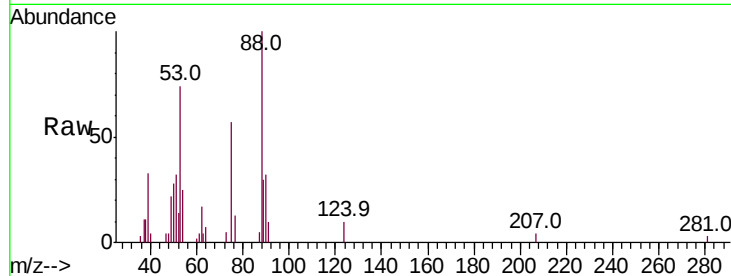
Tot Ion: 75 Resp: 6603

Ion Ratio Lower Upper

75 100

53 121.5 87.4 131.2

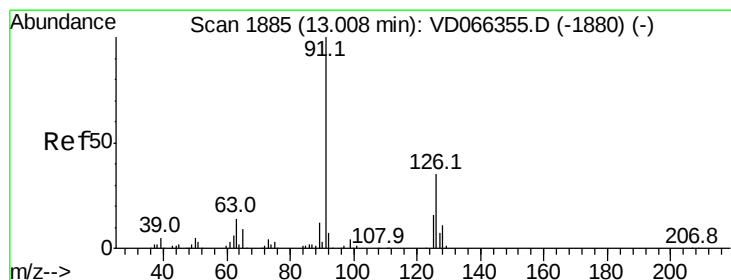
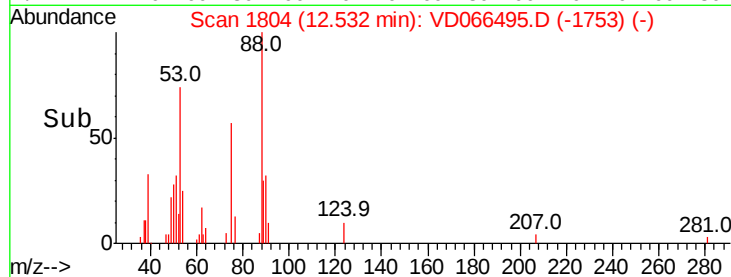
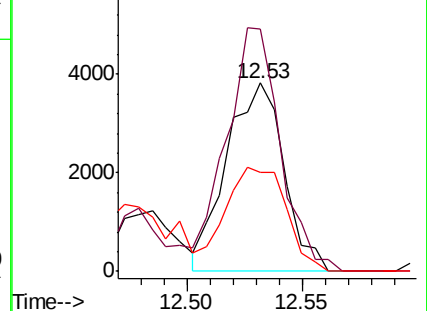
89 58.9 39.4 59.0



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: 20.834 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066495.D

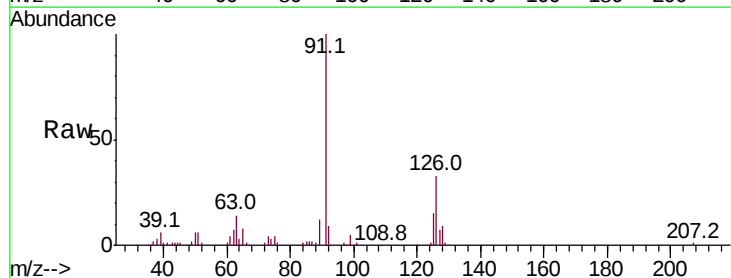
Acq: 01 Sep 2020 14:49

Tgt Ion: 91 Resp: 102018

Ion Ratio Lower Upper

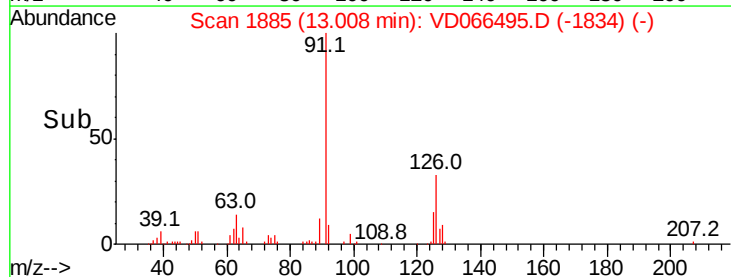
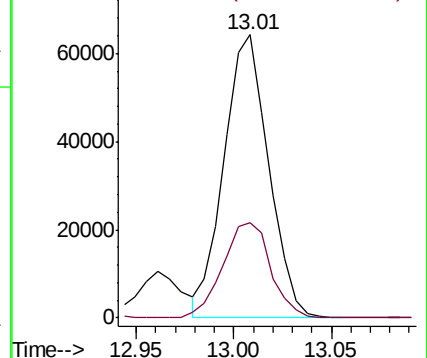
91 100

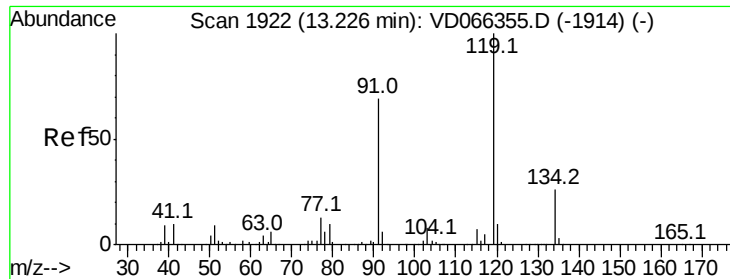
126 35.8 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

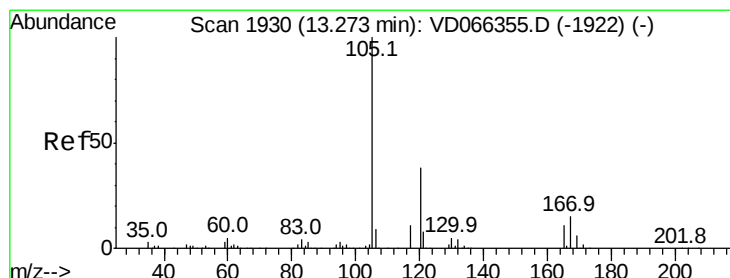
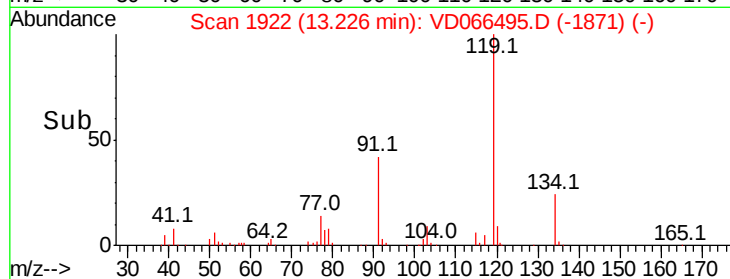
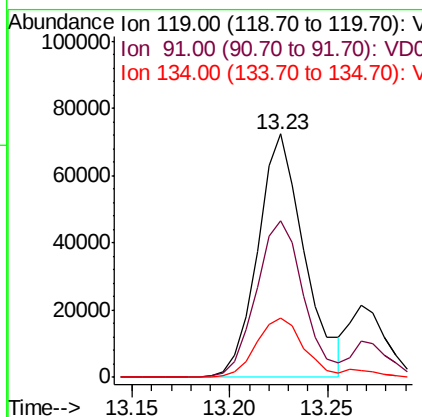
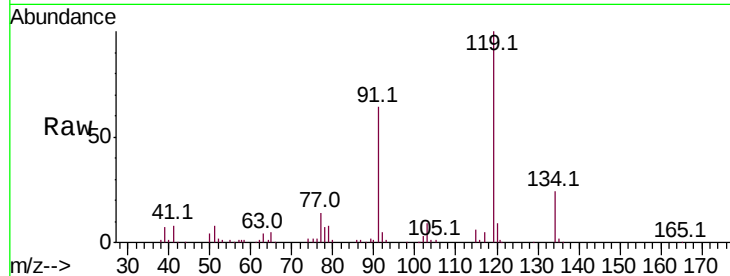




#83
 tert-Butylbenzene
 Concen: 22.623 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

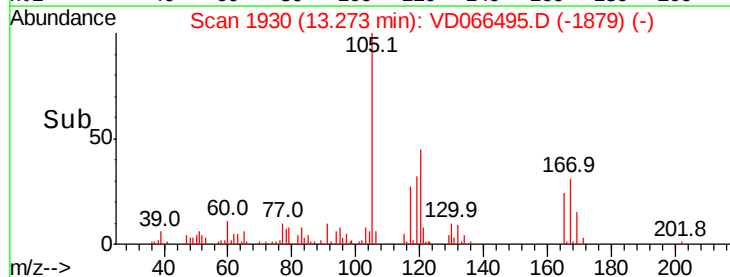
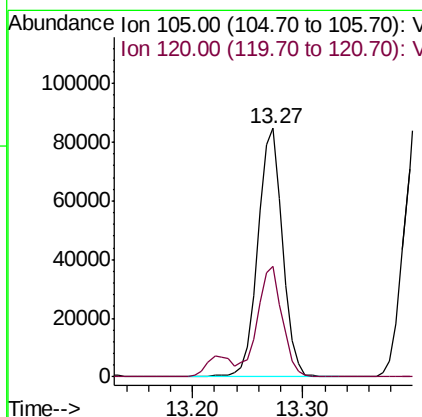
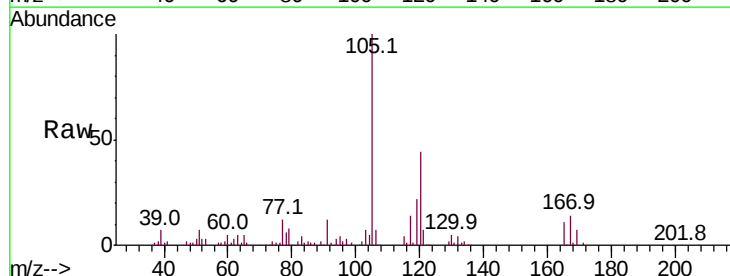
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBS01

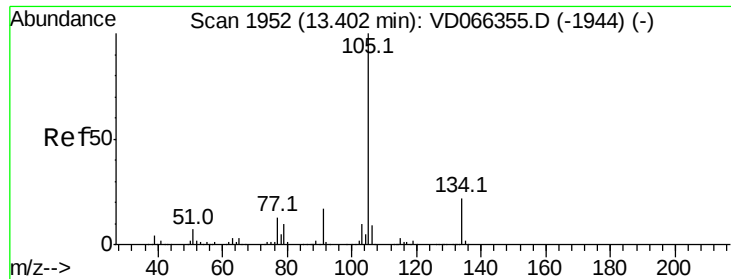
Tot Ion:119 Resp: 119740
 Ion Ratio Lower Upper
 119 100
 91 65.5 33.5 100.5
 134 24.7 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.205 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

Tgt Ion:105 Resp: 132899
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.283 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

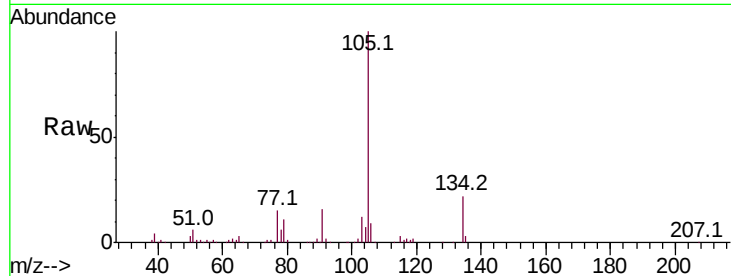
VD0901SBS01

Tot Ion:105 Resp: 147592

Ion Ratio Lower Upper

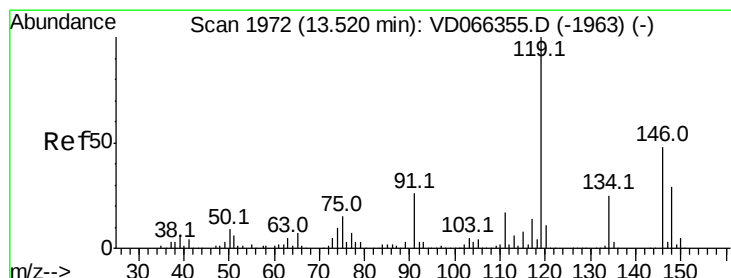
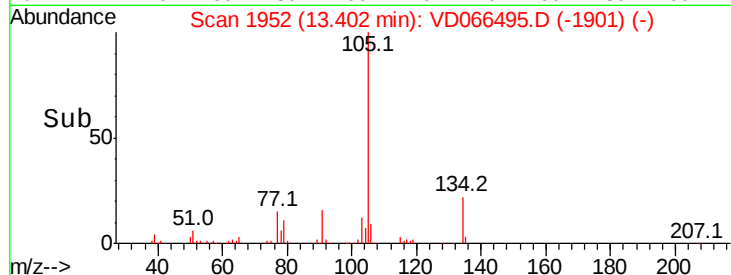
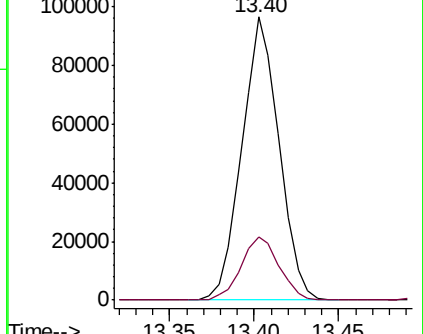
105 100

134 23.0 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.319 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066495.D

Acq: 01 Sep 2020 14:49

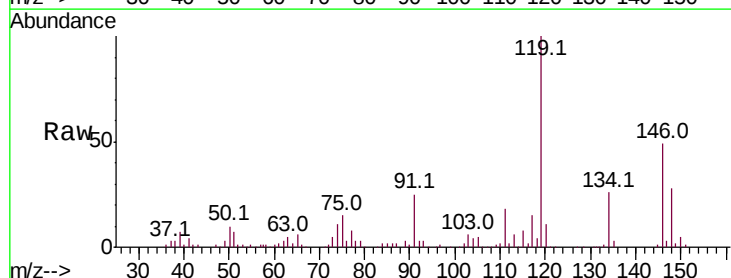
Tgt Ion:119 Resp: 149241

Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.3

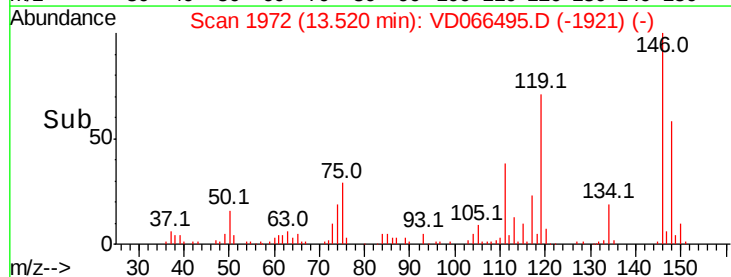
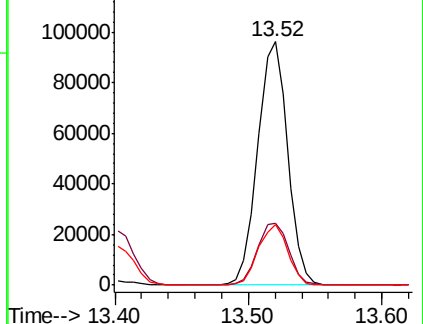
91 24.6 12.7 38.0

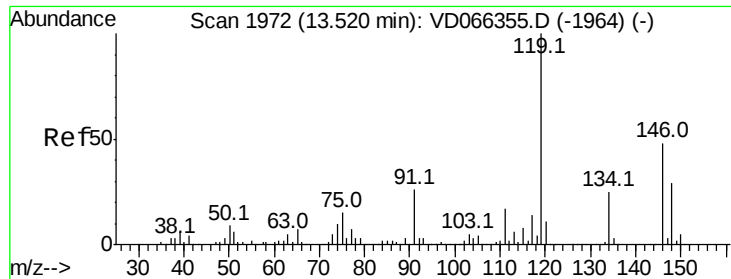


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

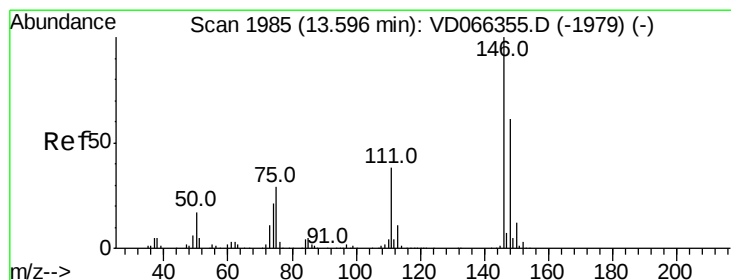
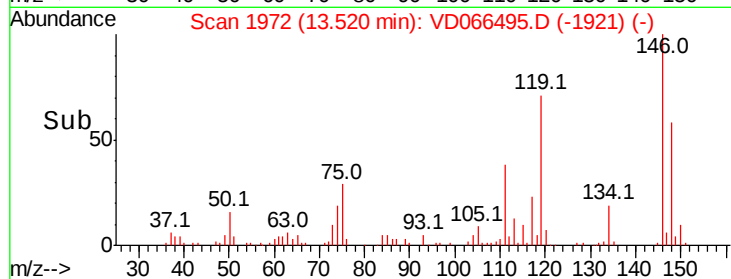
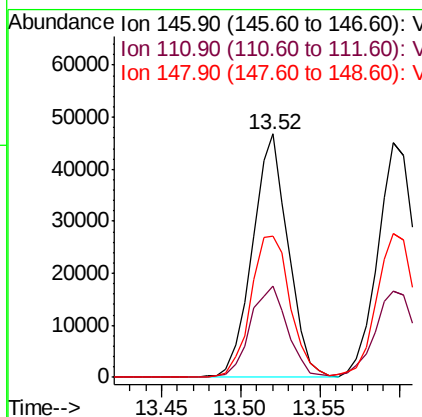
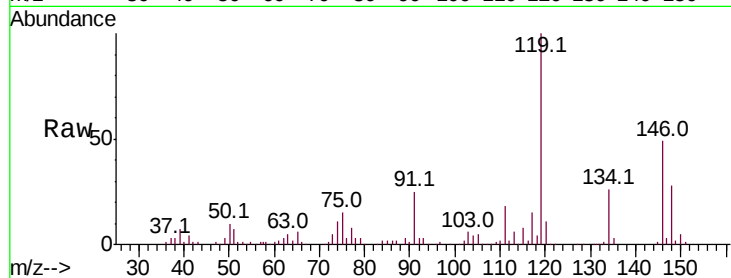




#87
 1,3-Dichlorobenzene
 Concen: 21.954 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

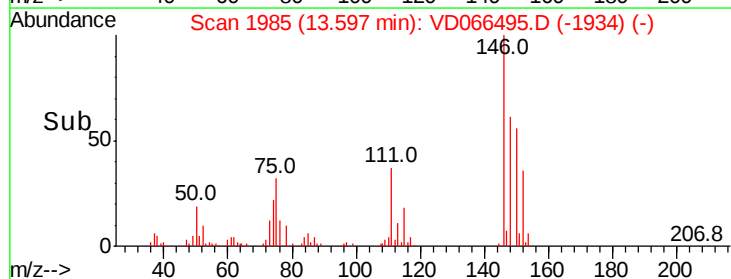
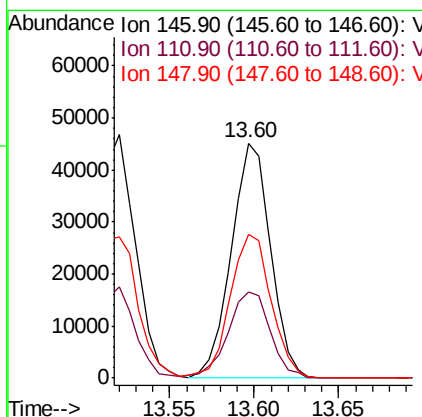
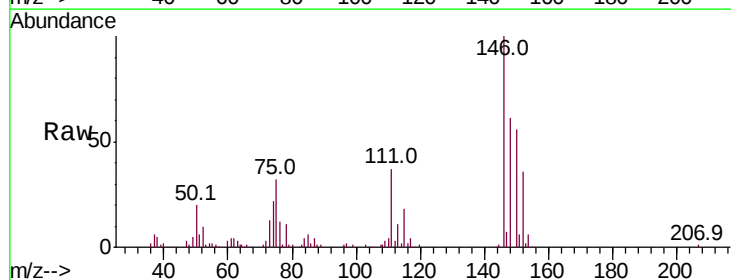
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBS01

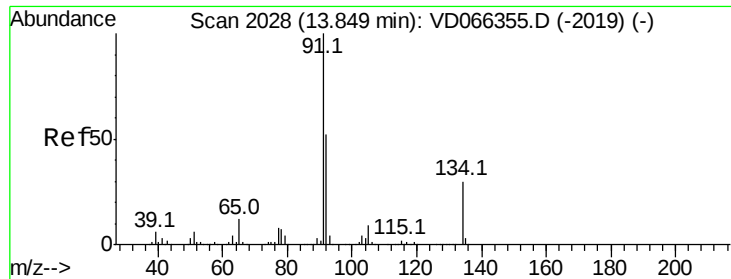
Tot Ion:146 Resp: 73408
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.9 56.9
 148 64.3 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.827 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

Tgt Ion:146 Resp: 73280
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.1 57.5
 148 63.8 32.1 96.3

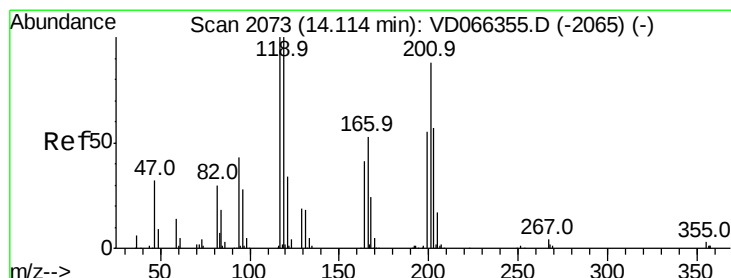
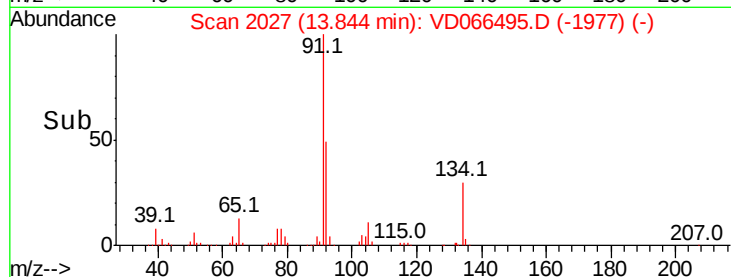
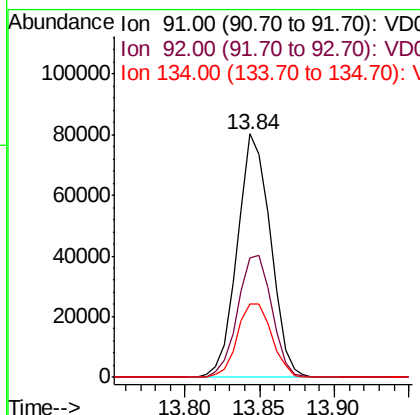
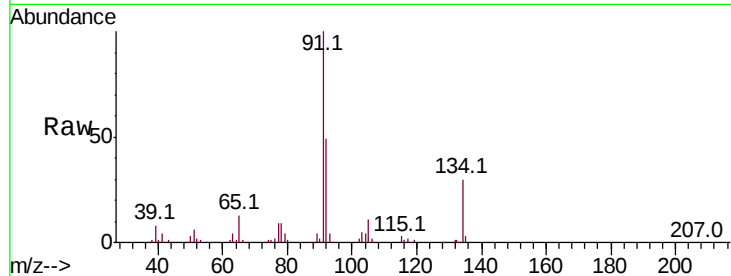




#89
n-Butylbenzene
Concen: 21.005 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

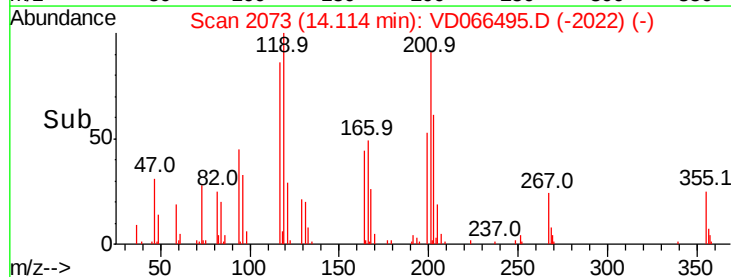
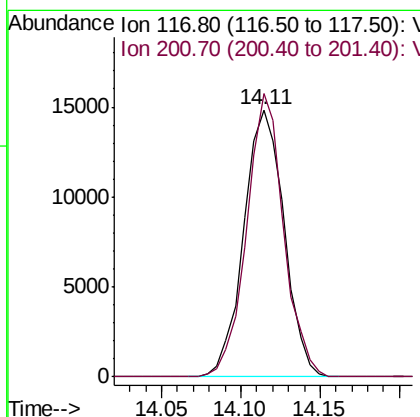
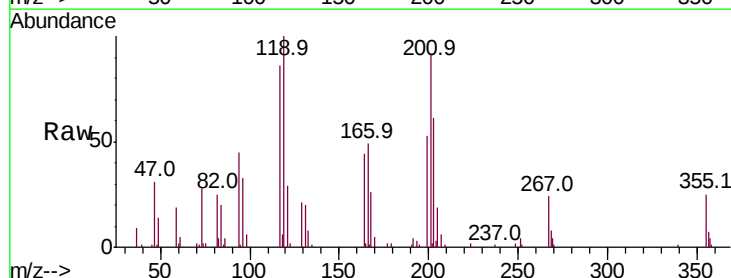
Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

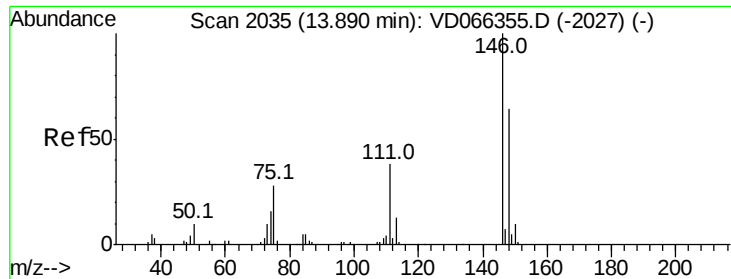
Tot Ion: 91 Resp: 123945
Ion Ratio Lower Upper
91 100
92 51.8 26.4 79.0
134 31.2 14.4 43.4



#90
Hexachloroethane
Concen: 19.886 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion: 117 Resp: 26268
Ion Ratio Lower Upper
117 100
201 97.1 45.4 136.2

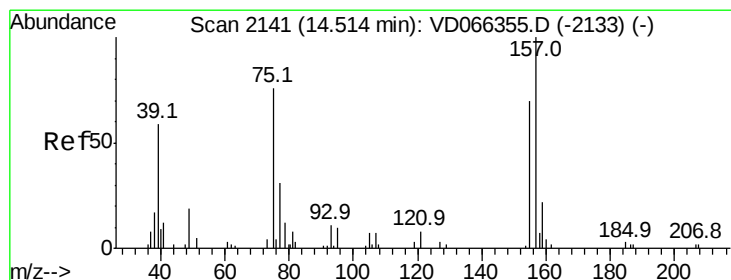
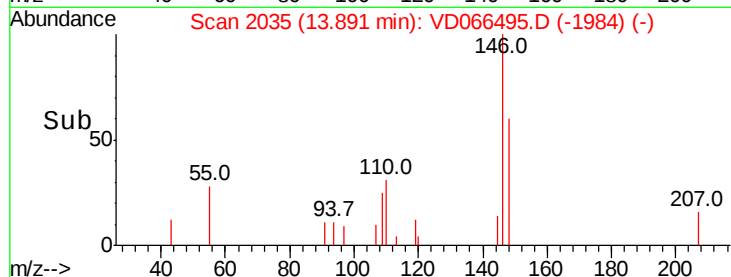
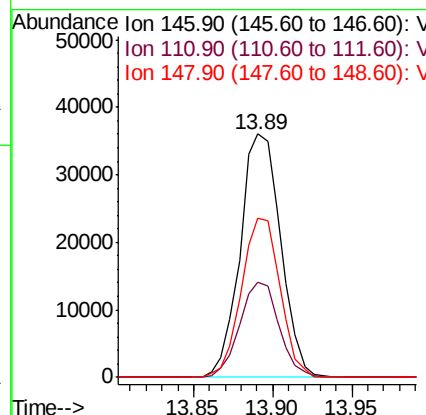
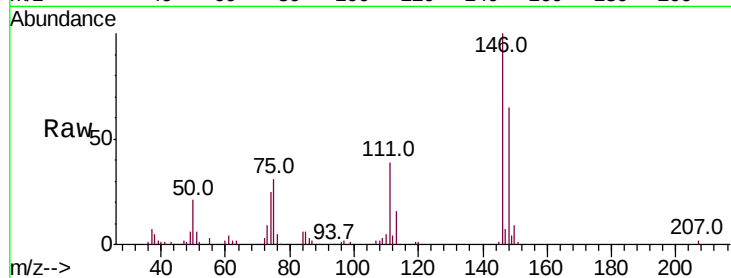




#91
 1,2-Dichlorobenzene
 Concen: 22.215 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

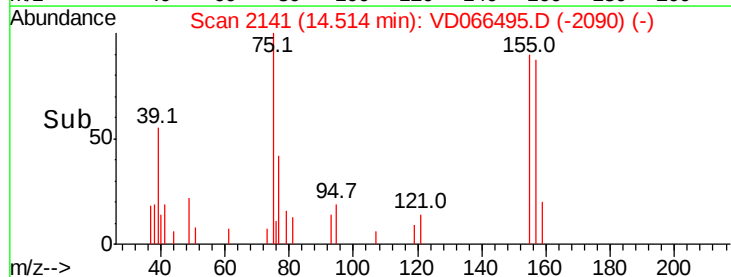
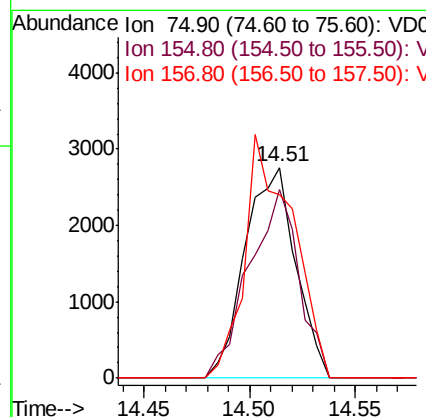
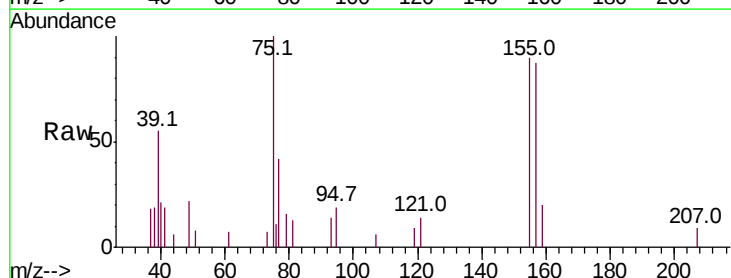
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBS01

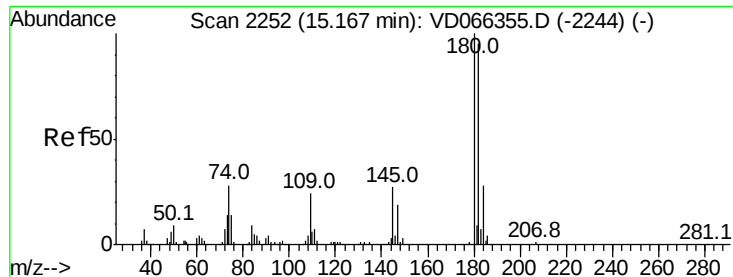
Tot Ion:146 Resp: 63948
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.9 59.7
 148 62.4 32.6 97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.711 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

Tgt Ion: 75 Resp: 4591
 Ion Ratio Lower Upper
 75 100
 155 87.9 46.9 140.6
 157 108.5 61.0 183.0

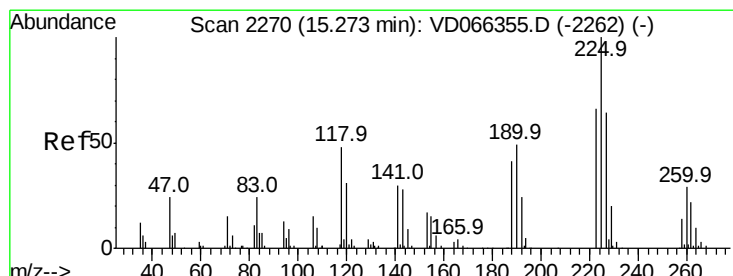
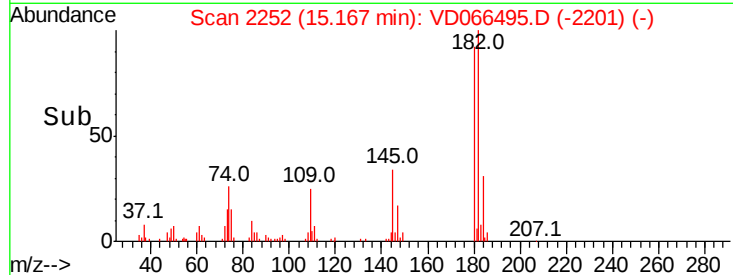
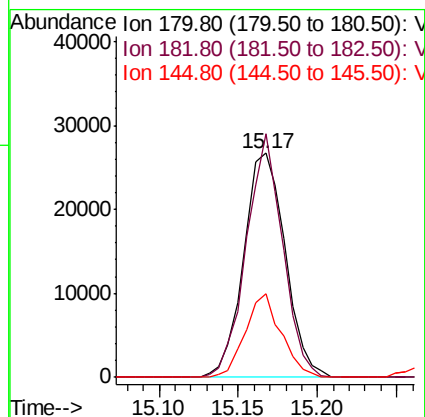
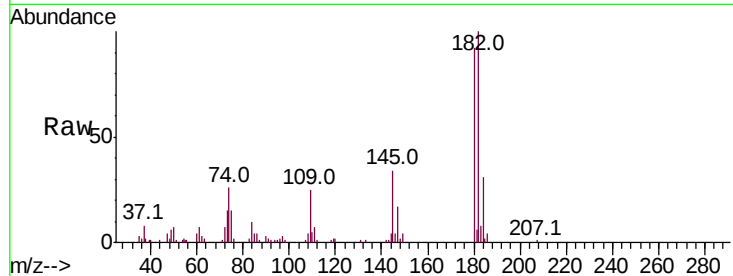




#93
 1,2,4-Trichlorobenzene
 Concen: 21.651 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

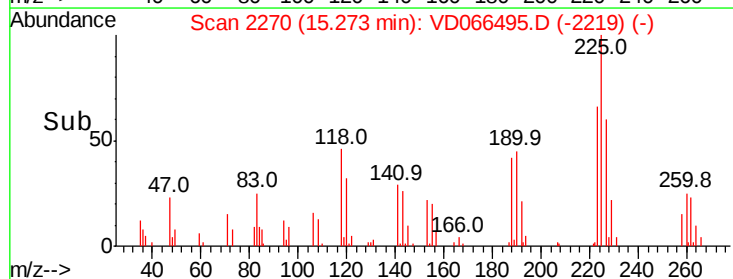
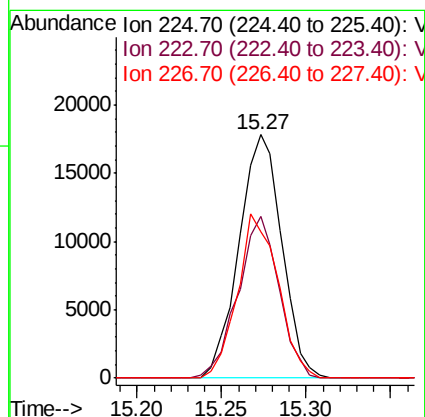
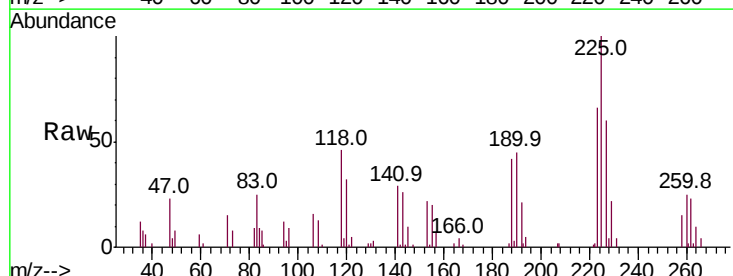
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0901SBS01

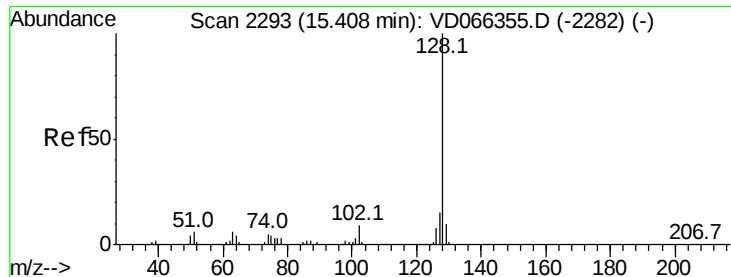
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.0
145	32.1	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 22.479 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066495.D
 Acq: 01 Sep 2020 14:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	32.5	97.4
227	64.0	33.0	98.9

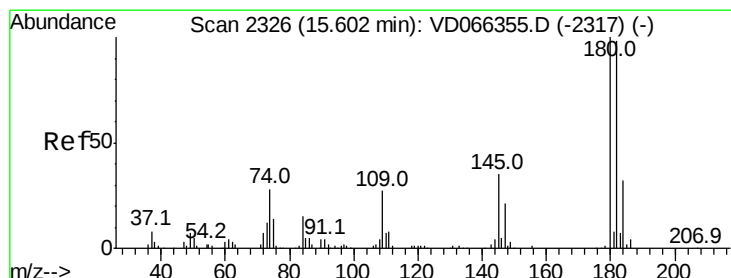
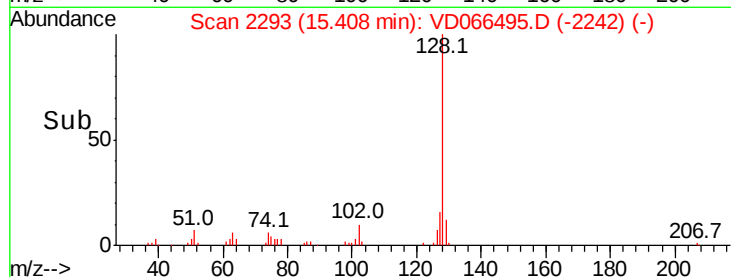
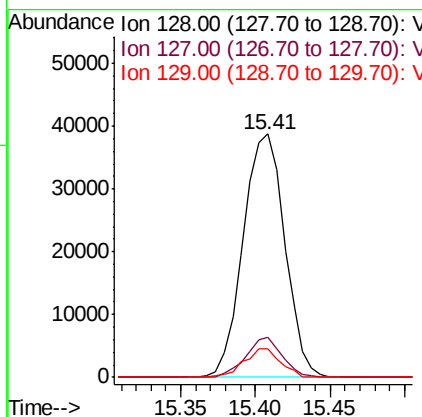
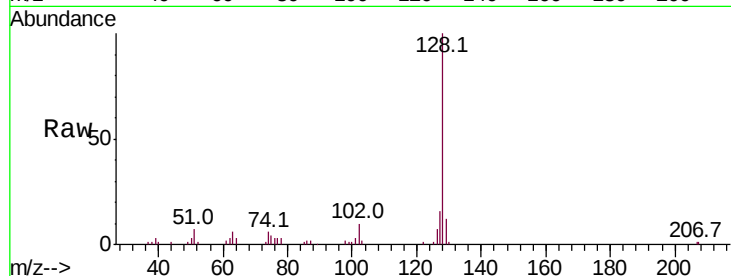




#95
Naphthalene
Concen: 21.185 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0901SBS01

Tot Ion:128 Resp: 74775
Ion Ratio Lower Upper
128 100
127 14.3 10.7 16.1
129 10.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.417 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066495.D
Acq: 01 Sep 2020 14:49

Tgt Ion:180 Resp: 41230
Ion Ratio Lower Upper
180 100
182 97.6 46.7 140.0
145 32.9 16.0 48.0

