

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067464.D
 Acq On : 30 Oct 2020 11:11
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Quant Time: Oct 30 12:09:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	306498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	446773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	420763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	144182	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.92	113	145670	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.34	98	537051	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.64	95	185853	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	50288	17.607	ug/l	93
3) Chloromethane	2.21	50	33282	17.254	ug/l	97
4) Vinyl Chloride	2.35	62	39298	18.568	ug/l	92
5) Bromomethane	2.77	94	32491	20.683	ug/l	98
6) Chloroethane	2.93	64	24510	18.595	ug/l	94
7) Trichlorofluoromethane	3.27	101	105849	19.861	ug/l	97
8) Diethyl Ether	3.71	74	23944	19.634	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	57284	20.231	ug/l	99
10) Methyl Iodide	4.30	142	50917	19.494	ug/l	97
11) Tert butyl alcohol	5.21	59	19702	95.172	ug/l #	95
12) 1,1-Dichloroethene	4.08	96	50723	20.052	ug/l	91
13) Acrolein	3.93	56	7919	61.075	ug/l	93
14) Allyl chloride	4.72	41	53565	18.491	ug/l	96
15) Acrylonitrile	5.43	53	40255	98.927	ug/l	99
16) Acetone	4.16	43	43362	100.831	ug/l	100
17) Carbon Disulfide	4.41	76	130757	18.132	ug/l	98
18) Methyl Acetate	4.72	43	17923	18.272	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	97858	19.455	ug/l	91
20) Methylene Chloride	4.97	84	63987	20.588	ug/l	91
21) trans-1,2-Dichloroethene	5.48	96	59023	20.276	ug/l	98
22) Diisopropyl ether	6.37	45	108088	20.425	ug/l #	96
23) Vinyl Acetate	6.31	43	296569	98.507	ug/l	95
24) 1,1-Dichloroethane	6.27	63	94920	20.954	ug/l	97
25) 2-Butanone	7.22	43	46717	95.300	ug/l	91
26) 2,2-Dichloropropane	7.21	77	97241	20.827	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	67242	21.077	ug/l	98
28) Bromochloromethane	7.56	49	28981	18.757	ug/l #	97
29) Tetrahydrofuran	7.57	42	25120	92.185	ug/l	93
30) Chloroform	7.71	83	114640	21.185	ug/l	96
31) Cyclohexane	7.99	56	67635	19.124	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	108535	20.442	ug/l	96
36) 1,1-Dichloropropene	8.11	75	79761	21.063	ug/l	98
37) Ethyl Acetate	7.30	43	20581	18.473	ug/l #	73
38) Carbon Tetrachloride	8.10	117	103456	21.376	ug/l	91

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

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1030SBS01

Quant Time: Oct 30 12:09:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	78533	19.838	ug/l	97
40) Benzene	8.36	78	217362	20.924	ug/l	94
41) Methacrylonitrile	7.53	41	13482	22.393	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	68034	20.927	ug/l	99
43) Isopropyl Acetate	8.46	43	43286	19.580	ug/l	98
44) Trichloroethene	9.12	130	70962	21.335	ug/l	94
45) 1,2-Dichloropropane	9.39	63	48399	20.103	ug/l	99
46) Dibromomethane	9.48	93	30140	20.093	ug/l	98
47) Bromodichloromethane	9.67	83	86454	21.511	ug/l #	97
48) Methyl methacrylate	9.46	41	19945	18.565	ug/l	92
49) 1,4-Dioxane	9.47	88	6191	408.518	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	111215	100.864	ug/l	97
52) Toluene	10.41	92	154181	21.791	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	74659	21.147	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	85753	20.755	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	42713	20.881	ug/l	96
56) Ethyl methacrylate	10.67	69	42132	19.860	ug/l	99
57) 1,3-Dichloropropane	10.96	76	68075	20.912	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	111678	102.618	ug/l	98
59) 2-Hexanone	10.99	43	75219	99.832	ug/l	100
60) Dibromochloromethane	11.14	129	62344	20.899	ug/l	99
61) 1,2-Dibromoethane	11.26	107	41795	20.726	ug/l	99
64) Tetrachloroethene	10.88	164	63595	20.861	ug/l	95
65) Chlorobenzene	11.68	112	172094	21.329	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	70200	21.891	ug/l	99
67) Ethyl Benzene	11.75	91	288663	20.871	ug/l	99
68) m/p-Xylenes	11.86	106	235083	44.138	ug/l	95
69) o-Xylene	12.18	106	103204	20.925	ug/l	99
70) Styrene	12.20	104	182009	21.438	ug/l	100
71) Bromoform	12.37	173	35010	20.322	ug/l #	97
73) Isopropylbenzene	12.48	105	293485	21.719	ug/l	99
74) N-amyl acetate	12.30	43	40597	19.892	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	42637	20.593	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	56165	38.061	ug/l #	100
77) Bromobenzene	12.77	156	72790	21.607	ug/l	99
78) n-propylbenzene	12.83	91	344060	21.976	ug/l	100
79) 2-Chlorotoluene	12.91	91	196511	21.644	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	252746	21.524	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13266	20.386	ug/l	92
82) 4-Chlorotoluene	13.01	91	208577	21.645	ug/l	100
83) tert-Butylbenzene	13.23	119	213063	21.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	252175	21.728	ug/l	99
85) sec-Butylbenzene	13.41	105	293354	21.554	ug/l	100
86) p-Isopropyltoluene	13.52	119	279928	21.790	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	139191	21.466	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	140409	21.856	ug/l	99
89) n-Butylbenzene	13.85	91	236092	20.890	ug/l	99
90) Hexachloroethane	14.12	117	48286	21.539	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	121429	21.436	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7241	19.251	ug/l	97

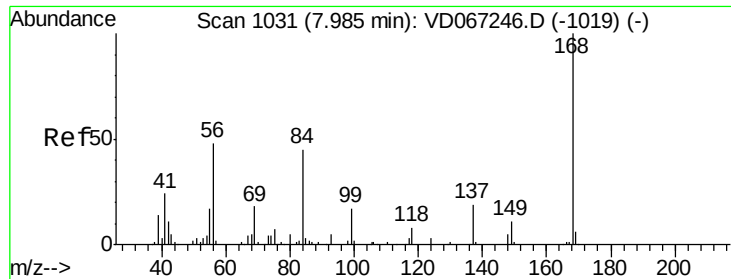
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103020\
Data File : VD067464.D
Acq On : 30 Oct 2020 11:11
Operator : VA/SY
Sample : VD1030SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Quant Time: Oct 30 12:09:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81542	21.350	ug/l	98
94) Hexachlorobutadiene	15.28	225	52613	22.184	ug/l	97
95) Naphthalene	15.41	128	124021	19.778	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68554	20.777	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

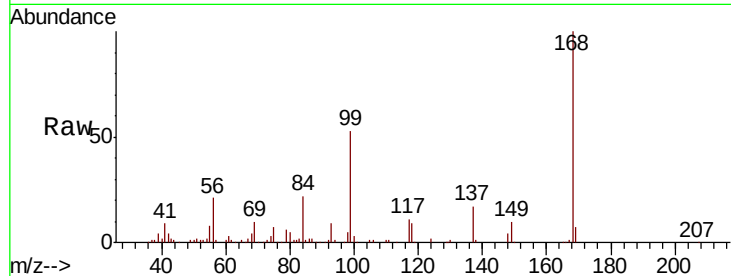
VD1030SBSD01

Tot Ion:168 Resp: 306498

Ion Ratio Lower Upper

168 100

99 52.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

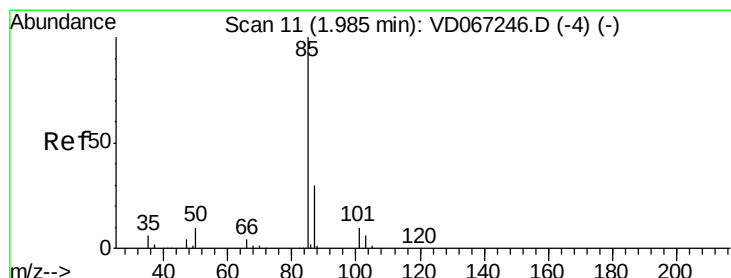
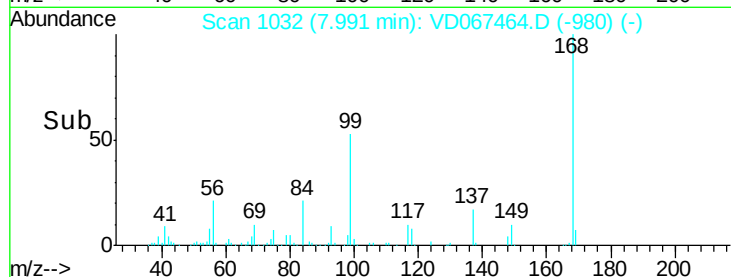
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.607 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067464.D

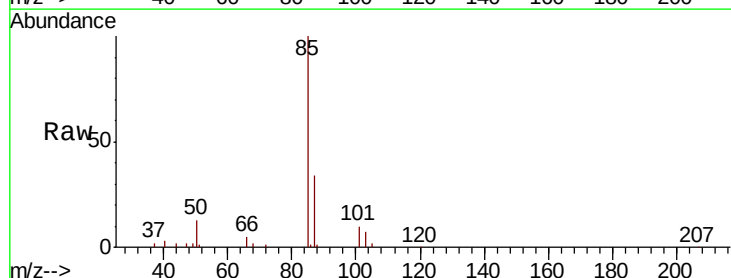
Acq: 30 Oct 2020 11:11

Tgt Ion: 85 Resp: 50288

Ion Ratio Lower Upper

85 100

87 34.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

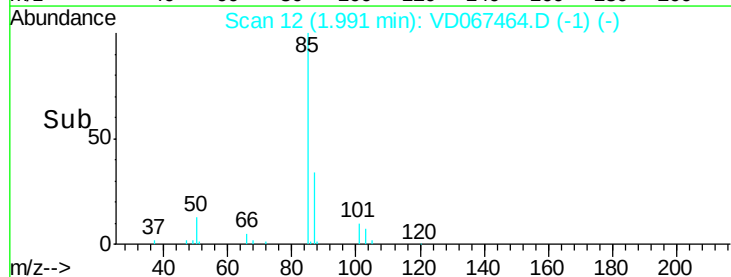
20000

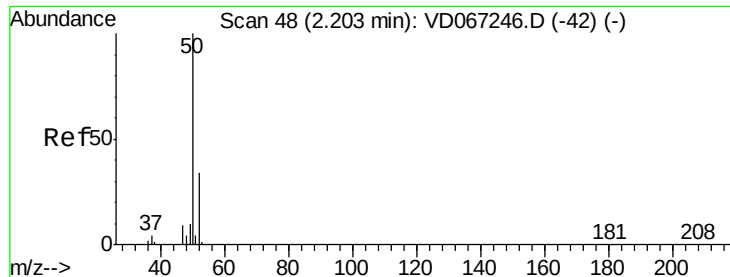
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 17.254 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

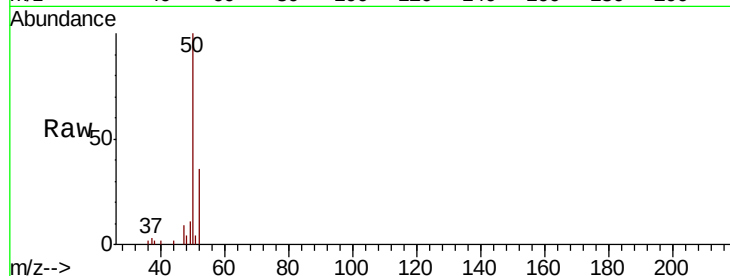
VD1030SBSD01

Tot Ion: 50 Resp: 33282

Ion Ratio Lower Upper

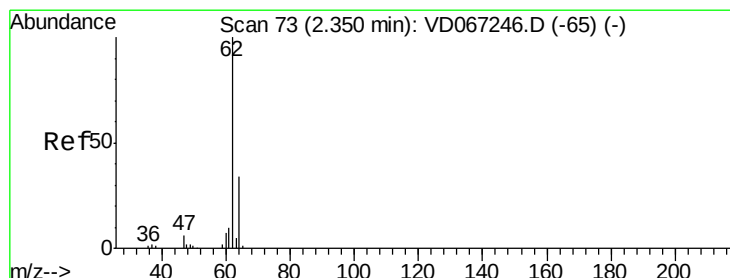
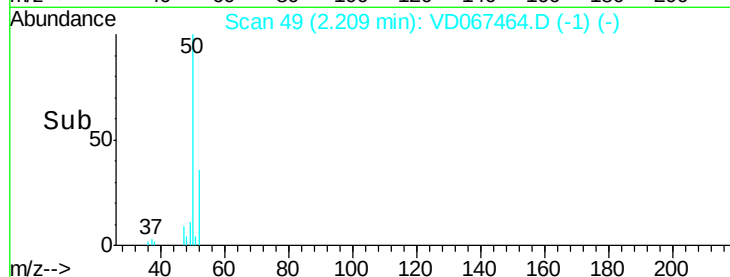
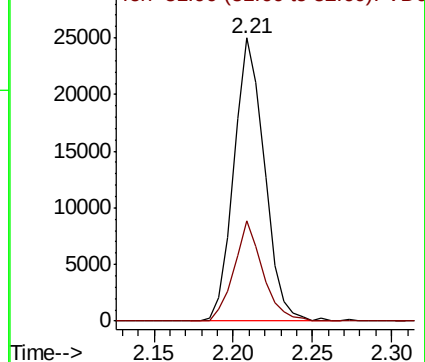
50 100

52 35.5 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.568 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067464.D

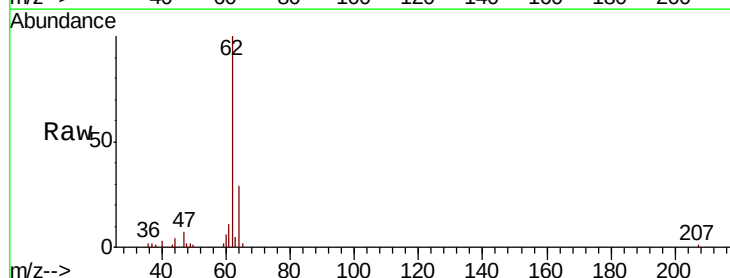
Acq: 30 Oct 2020 11:11

Tgt Ion: 62 Resp: 39298

Ion Ratio Lower Upper

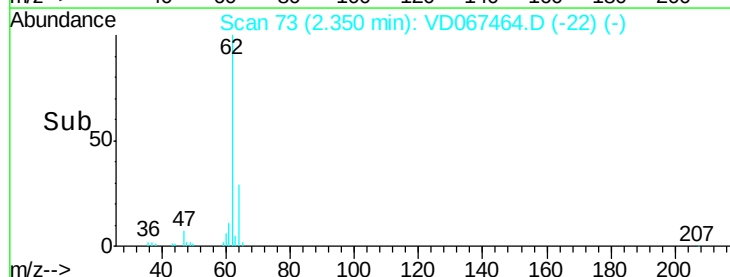
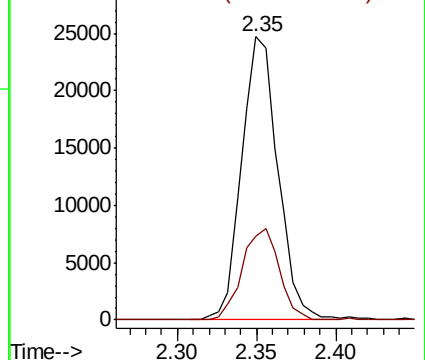
62 100

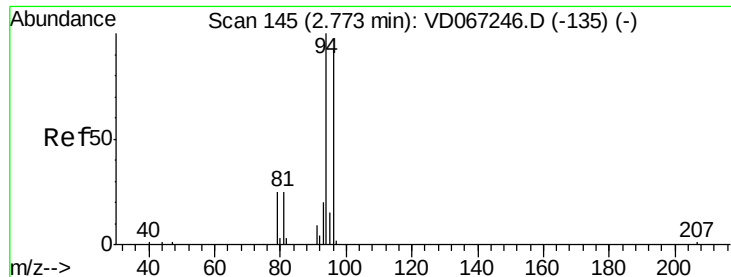
64 29.4 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.683 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

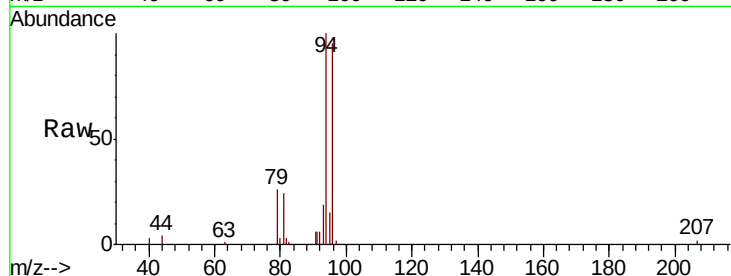
VD1030SBS01

Tot Ion: 94 Resp: 32491

Ion Ratio Lower Upper

94 100

96 94.5 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

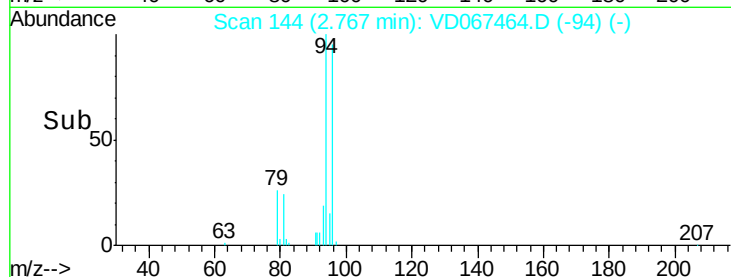
15000

10000

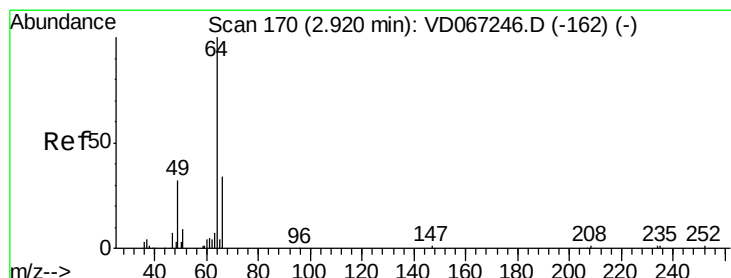
5000

0

Time-->



2.77



#6

Chloroethane

Concen: 18.595 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067464.D

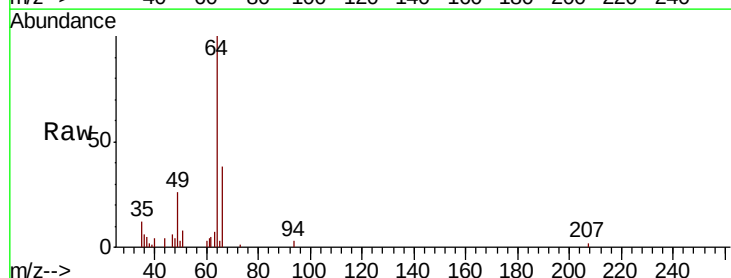
Acq: 30 Oct 2020 11:11

Tgt Ion: 64 Resp: 24510

Ion Ratio Lower Upper

64 100

66 37.7 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

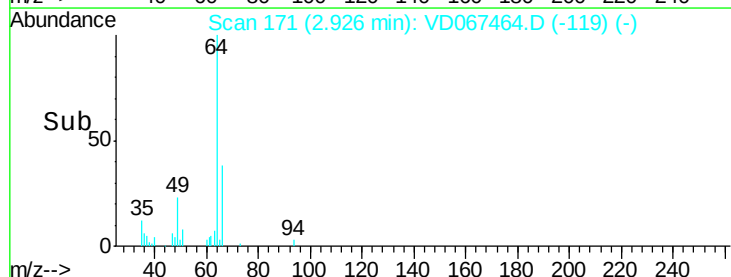
Ion 65.90 (65.60 to 66.60): VDC

10000

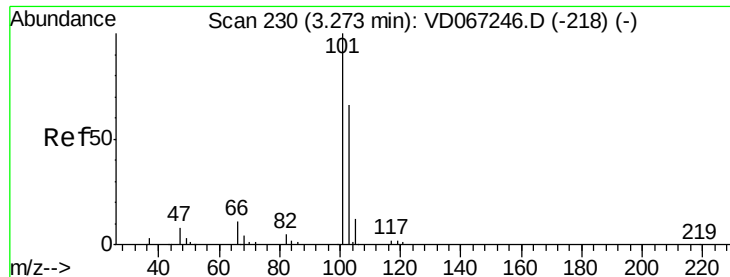
5000

0

Time-->



2.93

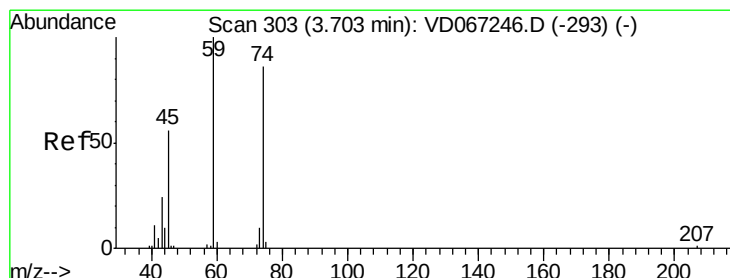
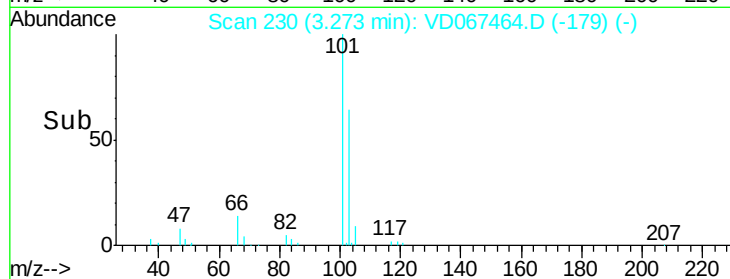
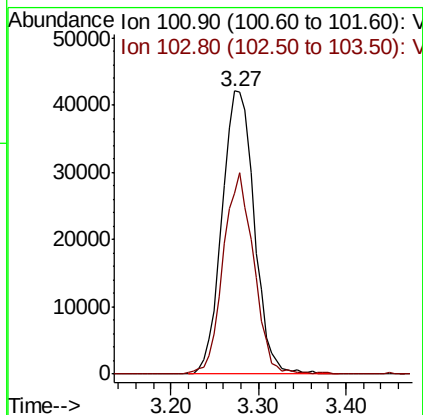
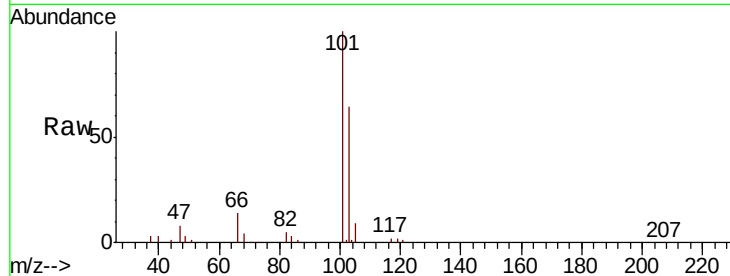


#7

Trichlorofluoromethane
 Concen: 19.861 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

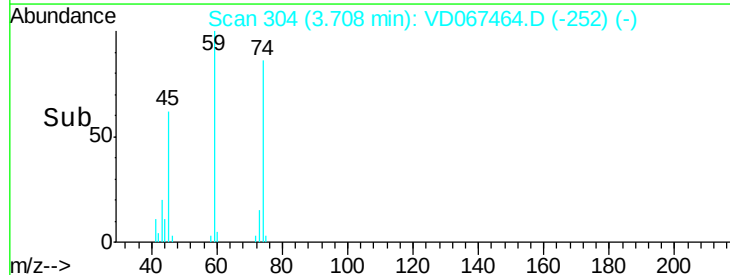
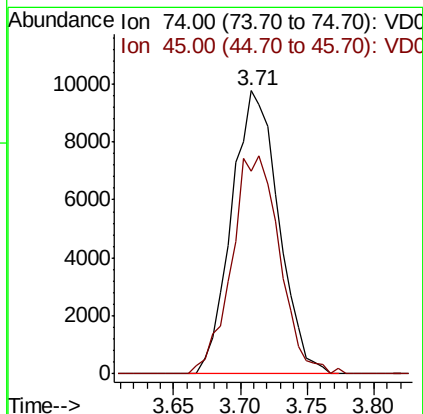
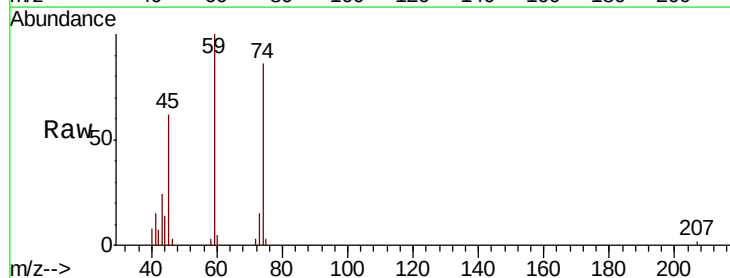
Tot Ion:101 Resp: 105849
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.1 79.7

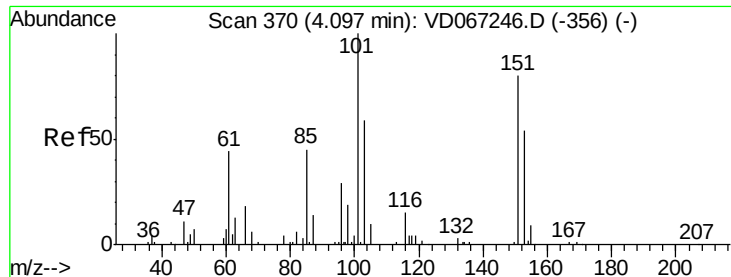


#8

Diethyl Ether
 Concen: 19.634 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 74 Resp: 23944
 Ion Ratio Lower Upper
 74 100
 45 78.3 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.231 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBSD01

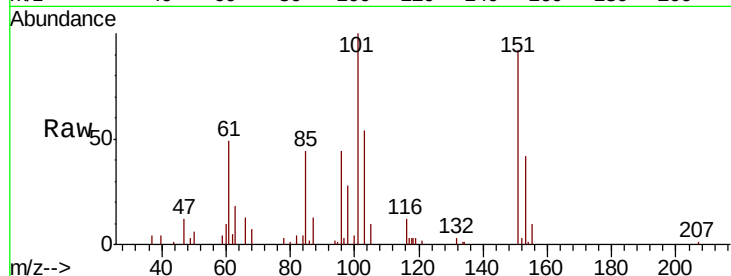
Tot Ion:101 Resp: 57284

Ion Ratio Lower Upper

101 100

85 43.2 34.2 51.4

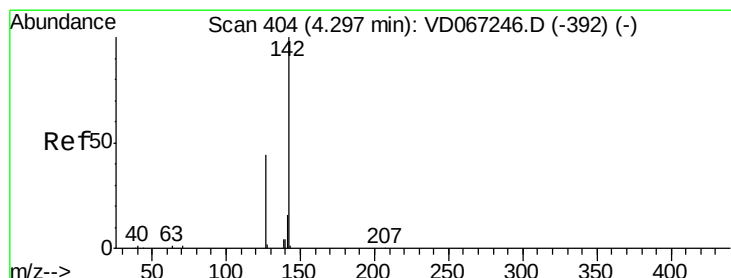
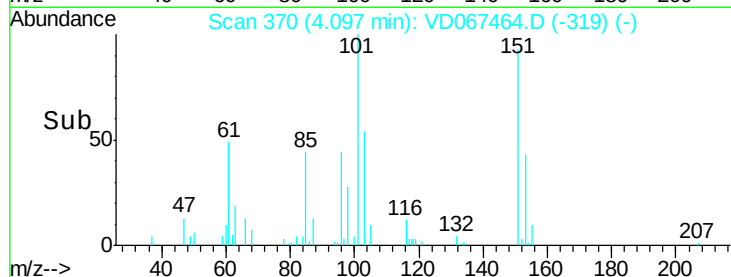
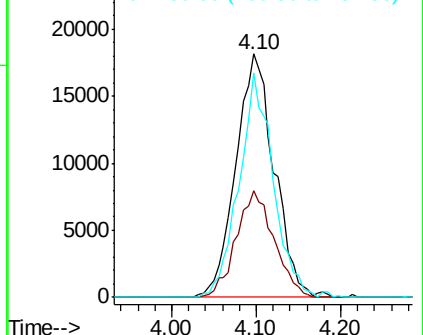
151 81.9 66.3 99.5



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: 19.494 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

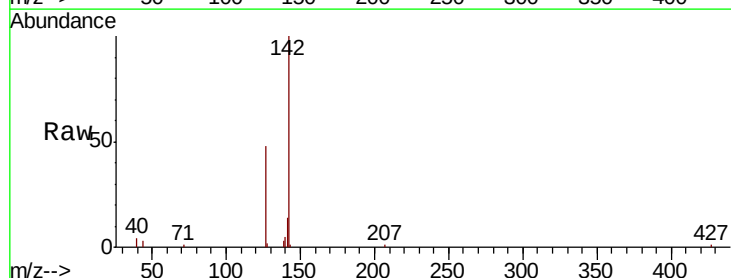
Tgt Ion:142 Resp: 50917

Ion Ratio Lower Upper

142 100

127 50.6 38.4 57.6

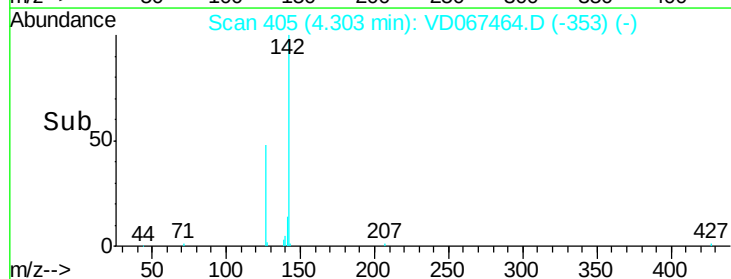
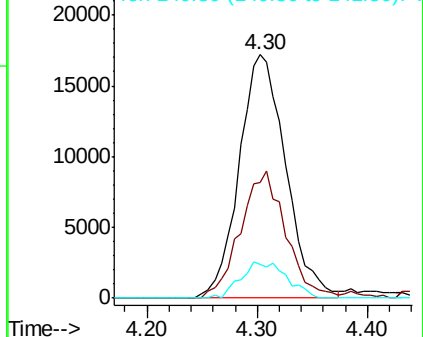
141 14.6 11.6 17.4

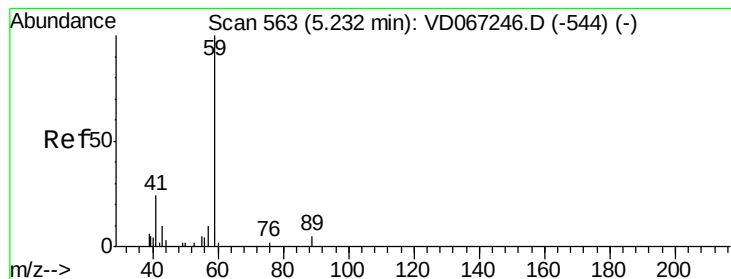


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 95.172 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

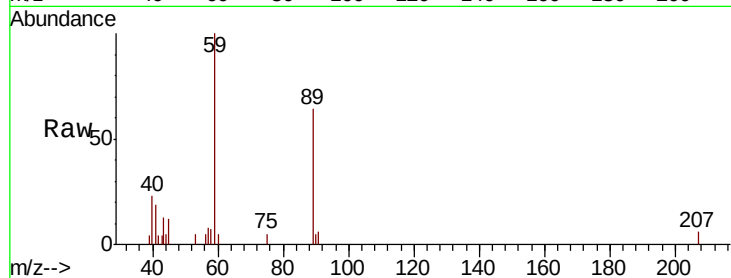
VD1030SBSD01

Tot Ion: 59 Resp: 19702

Ion Ratio Lower Upper

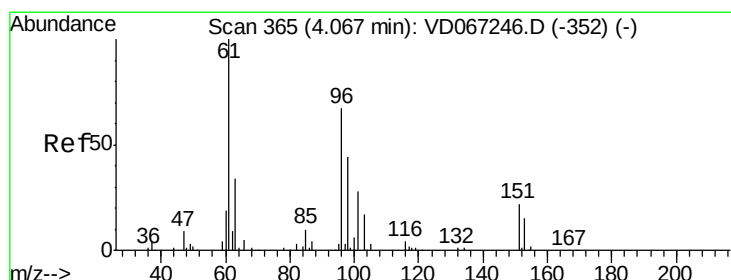
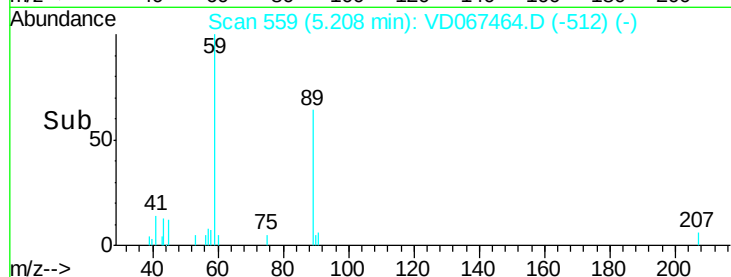
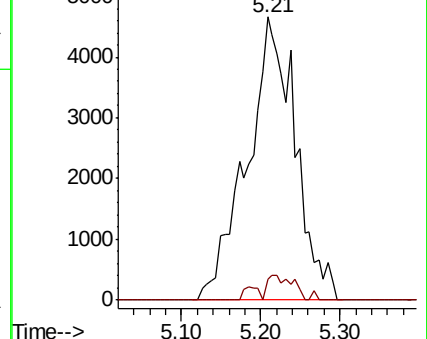
59 100

57 4.6 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.052 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

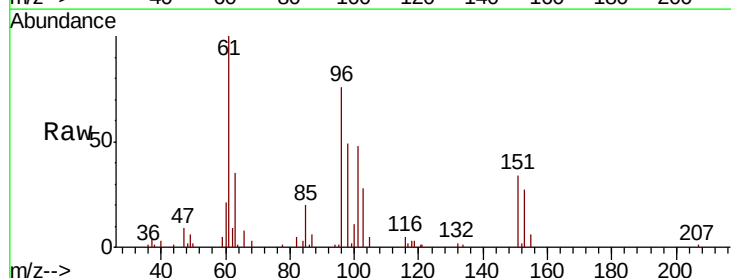
Tgt Ion: 96 Resp: 50723

Ion Ratio Lower Upper

96 100

61 131.9 118.6 177.8

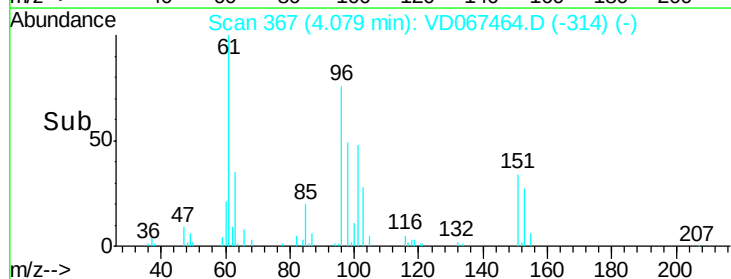
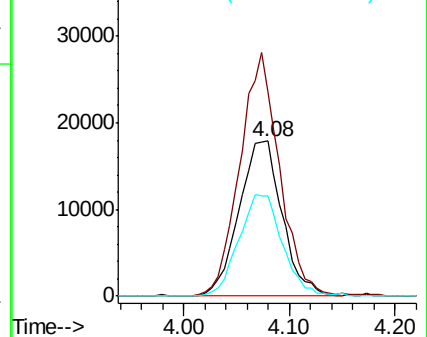
98 64.6 51.8 77.6

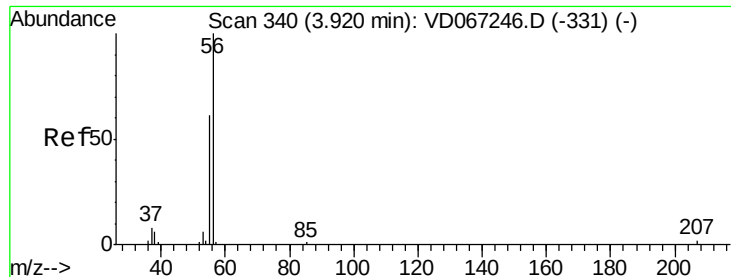


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 61.075 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

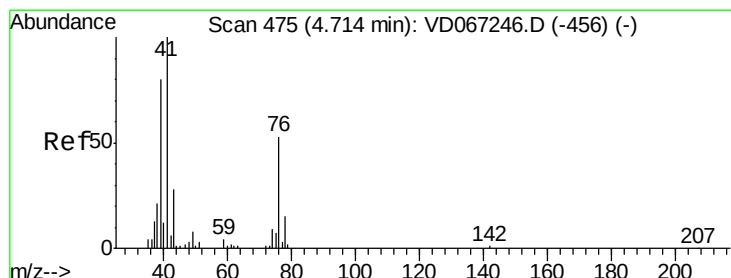
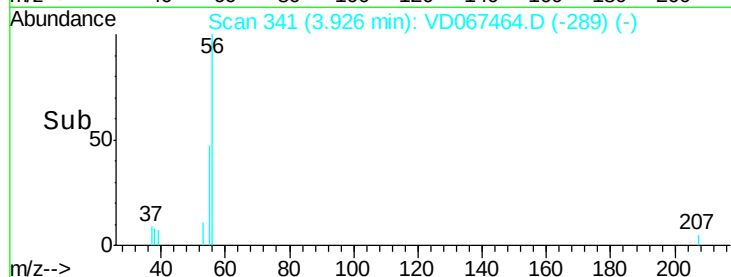
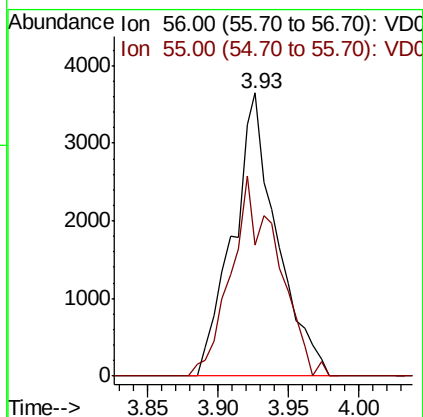
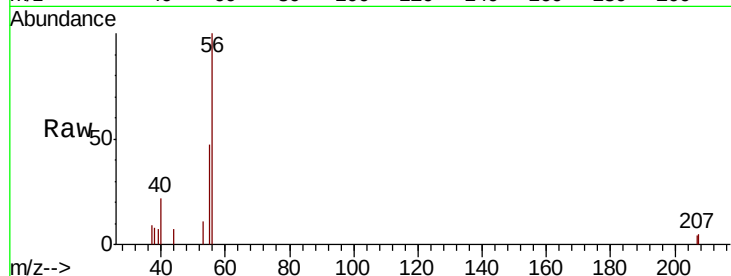
VD1030SBS01

Tot Ion: 56 Resp: 7919

Ion Ratio Lower Upper

56 100

55 75.4 56.0 84.0



#14

Allyl chloride

Concen: 18.491 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

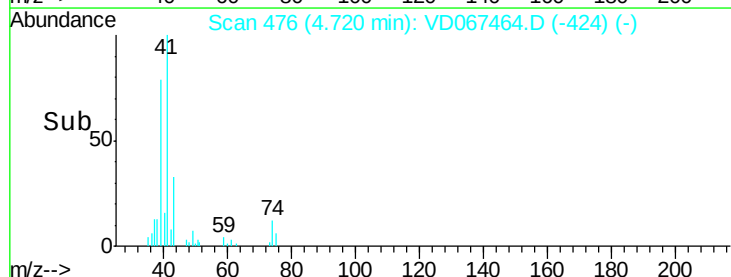
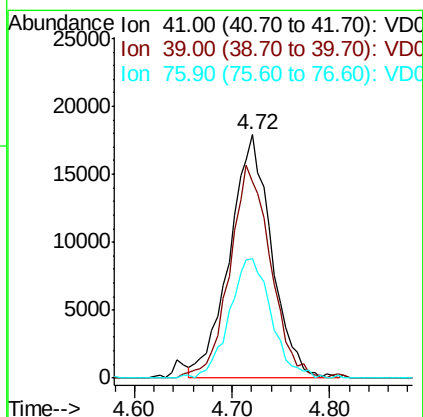
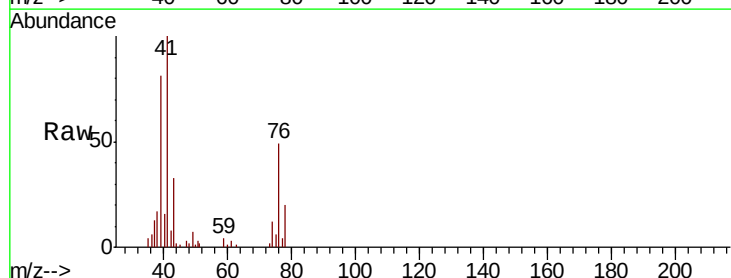
Tgt Ion: 41 Resp: 53565

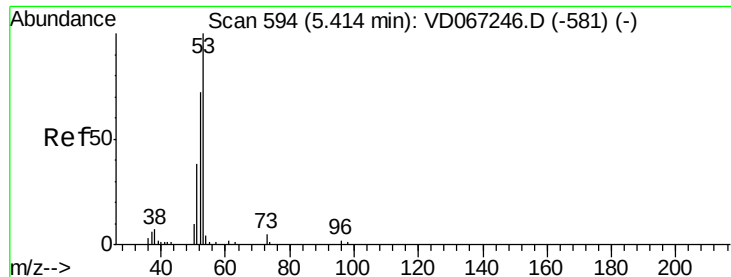
Ion Ratio Lower Upper

41 100

39 85.0 63.8 95.6

76 49.3 40.4 60.6





#15

Acrylonitrile

Concen: 98.927 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.02 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

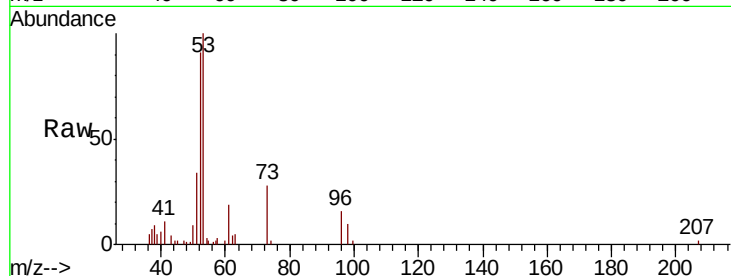
Tot Ion: 53 Resp: 40255

Ion Ratio Lower Upper

53 100

52 82.3 65.6 98.4

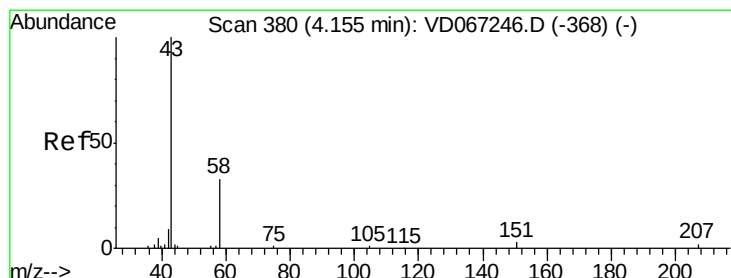
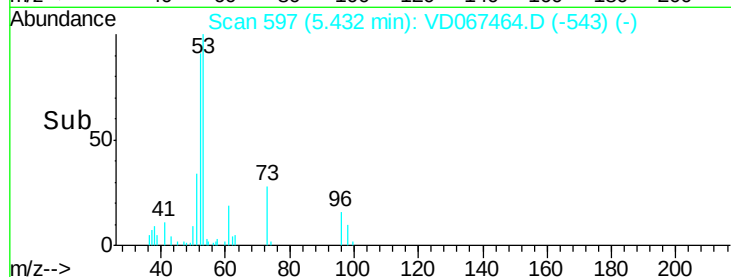
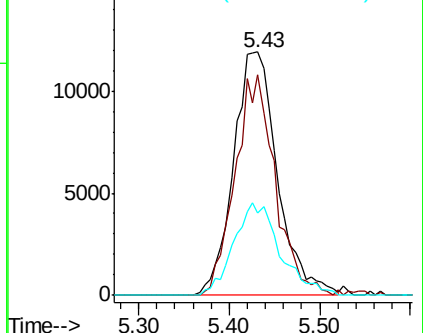
51 40.0 30.8 46.2



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: 100.831 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067464.D

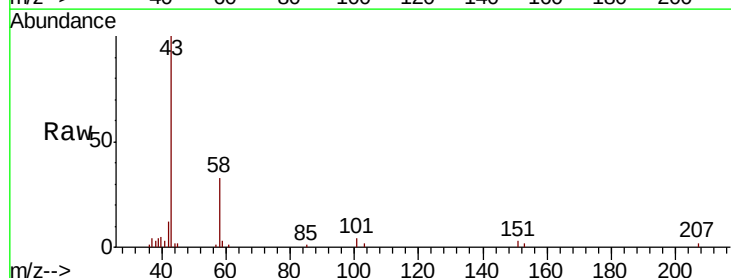
Acq: 30 Oct 2020 11:11

Tgt Ion: 43 Resp: 43362

Ion Ratio Lower Upper

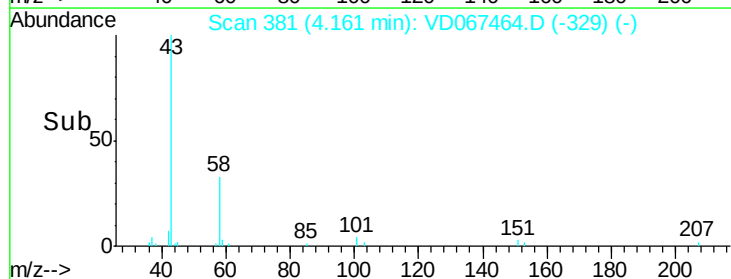
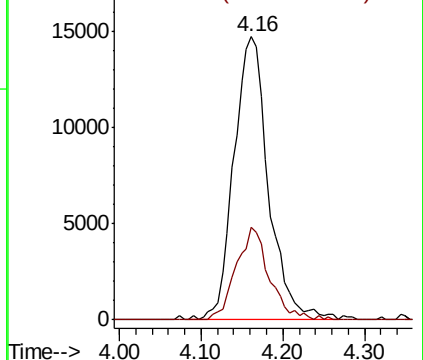
43 100

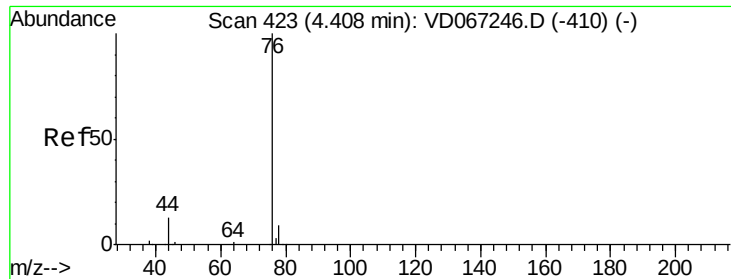
58 32.6 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

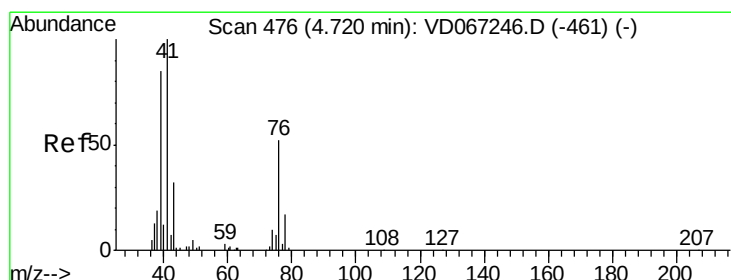
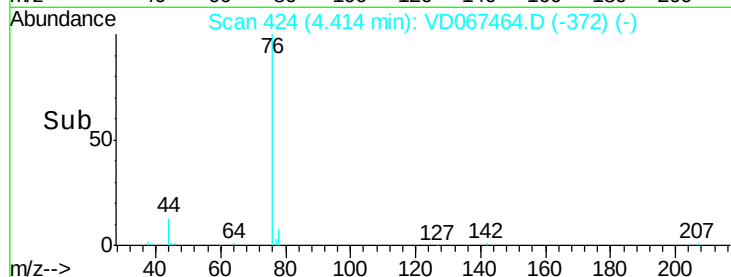
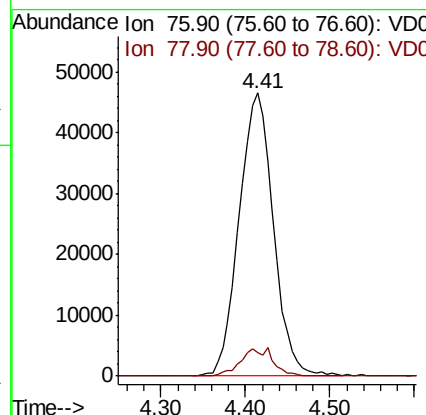
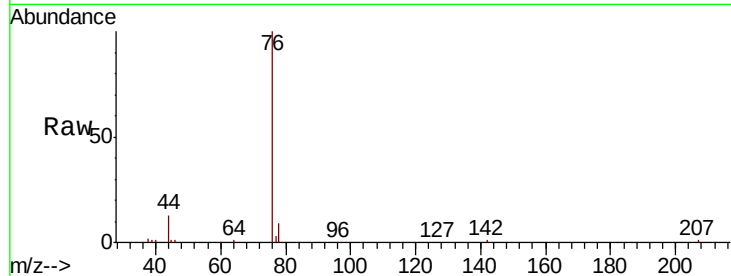




#17
Carbon Disulfide
Concen: 18.132 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

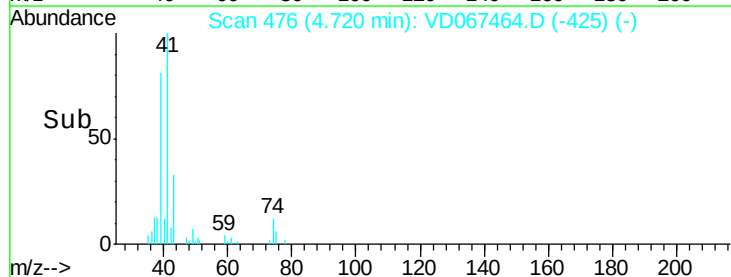
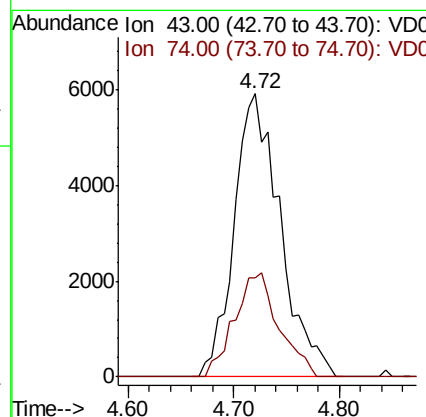
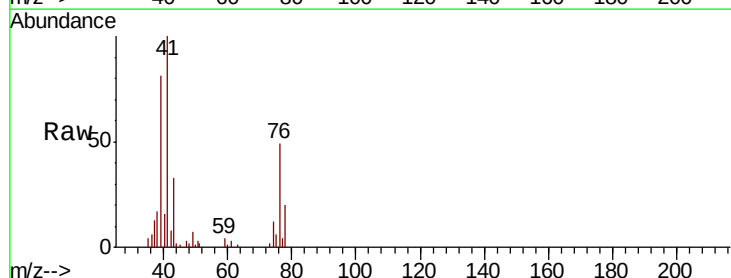
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

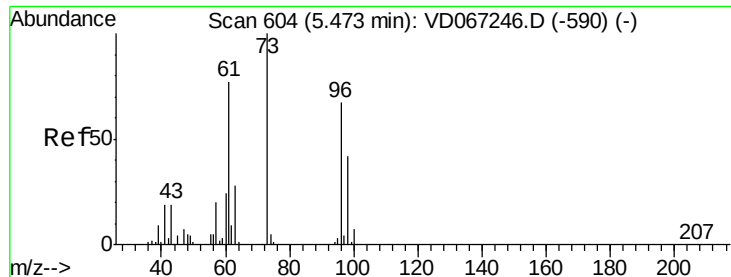
Tot Ion: 76 Resp: 130757
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#18
Methyl Acetate
Concen: 18.272 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 43 Resp: 17923
Ion Ratio Lower Upper
43 100
74 35.4 26.6 39.8

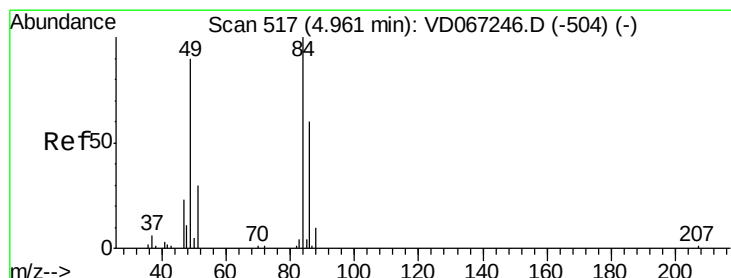
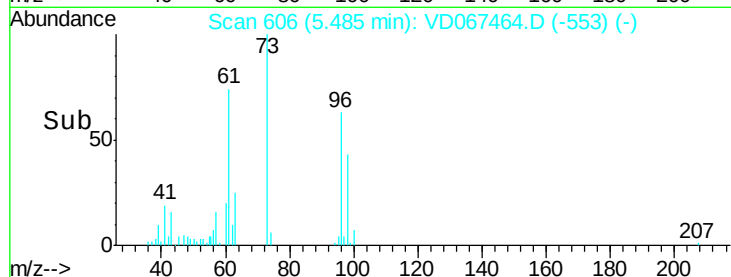
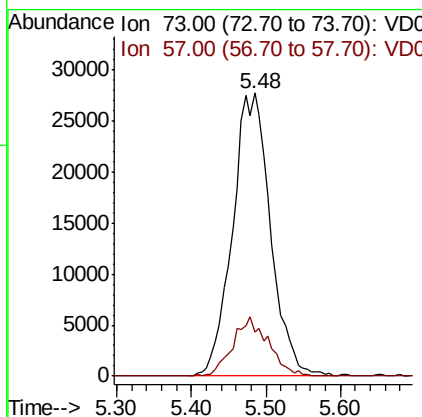
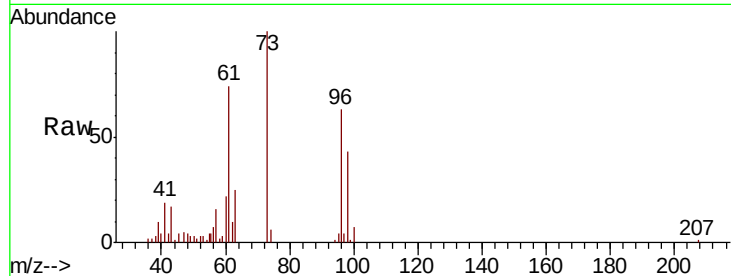




#19
Methyl tert-butyl Ether
Concen: 19.455 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

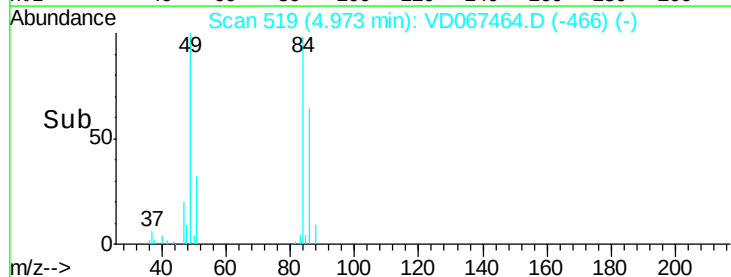
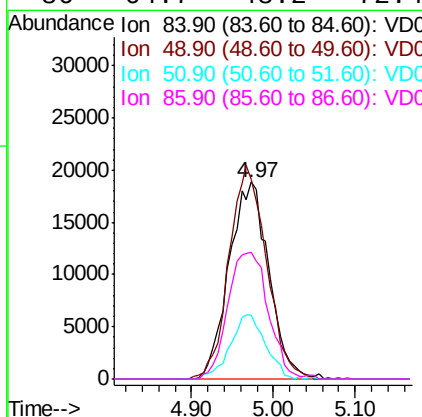
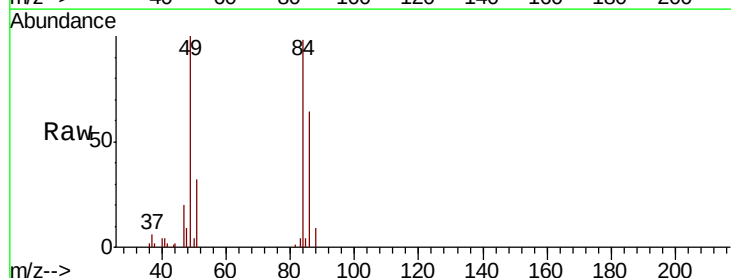
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

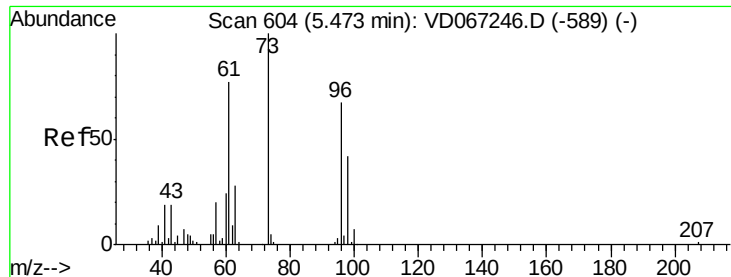
Tot Ion: 73 Resp: 97858
Ion Ratio Lower Upper
73 100
57 15.7 15.7 23.5



#20
Methylene Chloride
Concen: 20.588 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 84 Resp: 63987
Ion Ratio Lower Upper
84 100
49 101.6 72.2 108.2
51 32.7 23.8 35.8
86 64.7 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.276 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBSD01

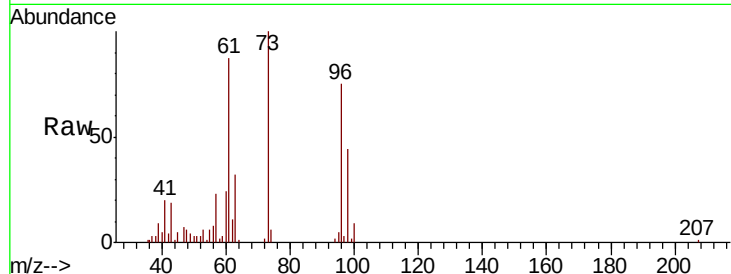
Tot Ion: 96 Resp: 59023

Ion Ratio Lower Upper

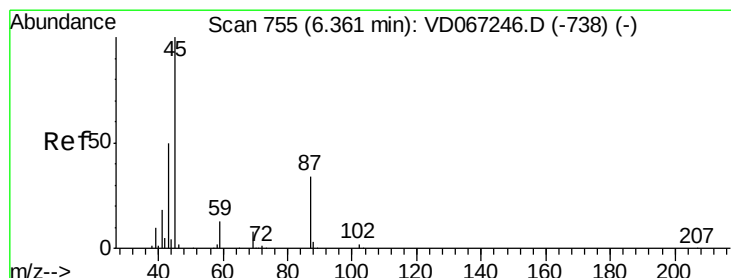
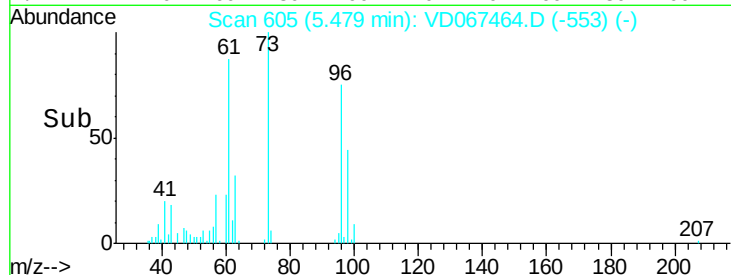
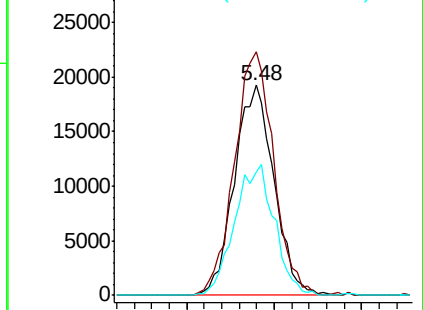
96 100

61 116.1 92.0 138.0

98 58.9 49.8 74.8



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: 20.425 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Tgt Ion: 45 Resp: 108088

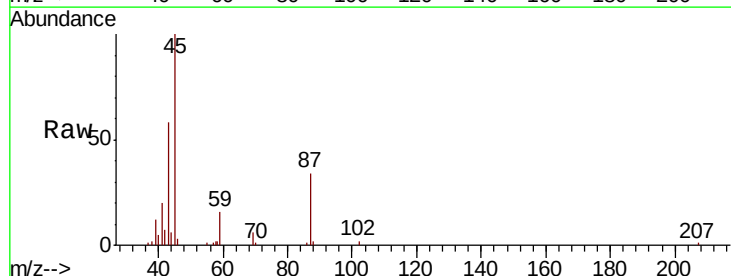
Ion Ratio Lower Upper

45 100

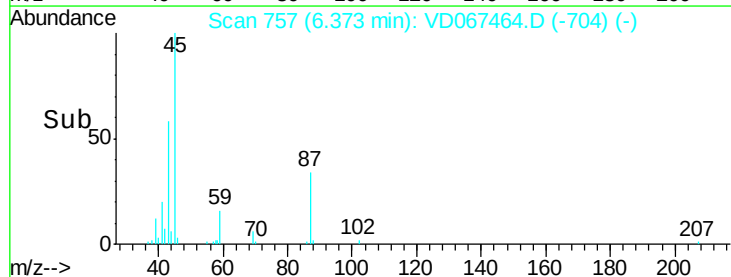
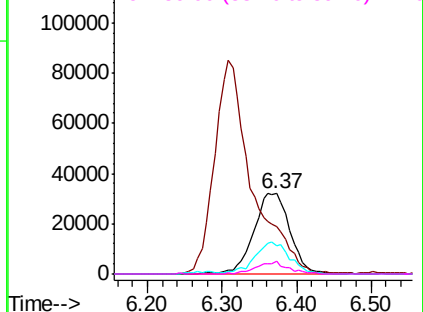
43 57.2 48.0 72.0

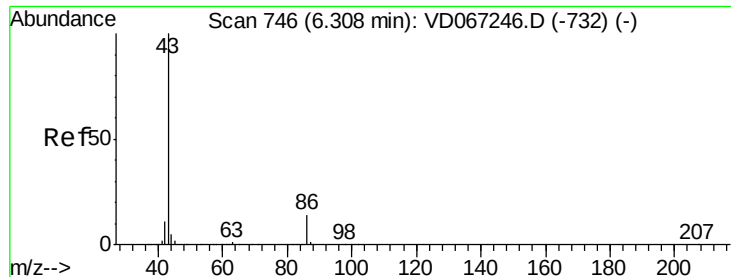
87 34.5 28.5 42.7

59 16.4 10.5 15.7#



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: 98.507 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

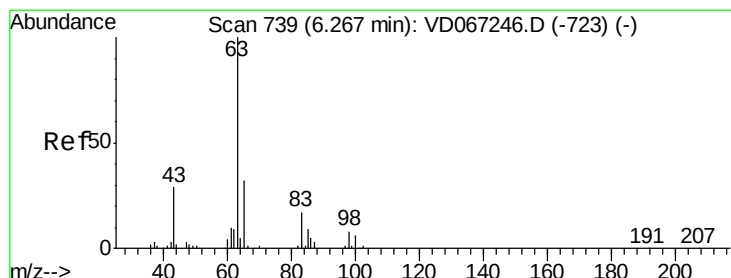
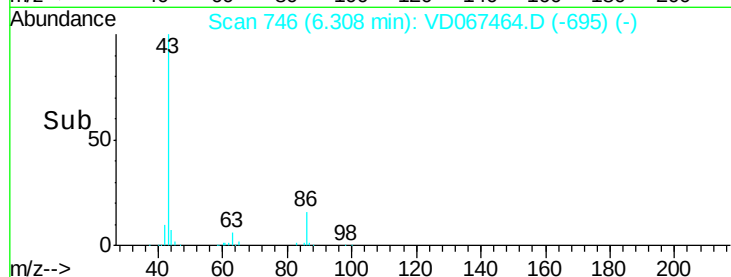
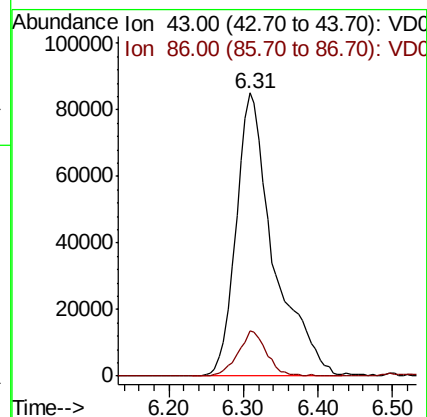
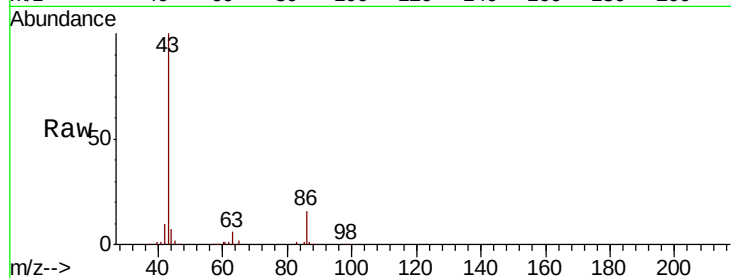
VD1030SBS01

Tot Ion: 43 Resp: 296569

Ion Ratio Lower Upper

43 100

86 16.0 11.0 16.6



#24

1,1-Dichloroethane

Concen: 20.954 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

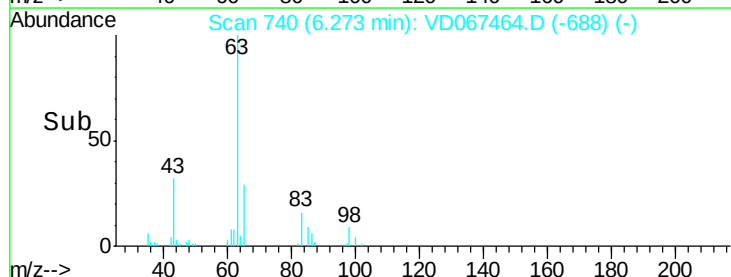
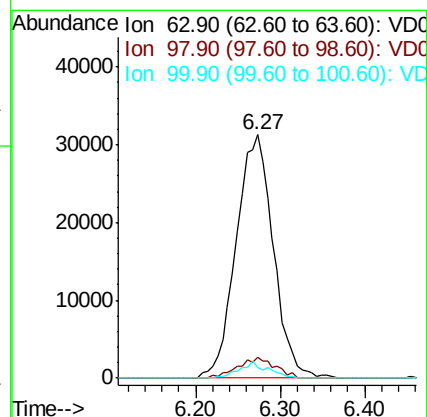
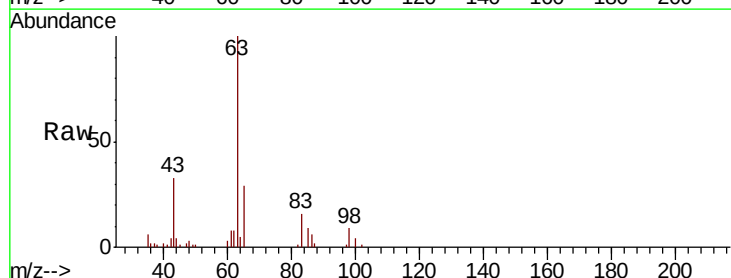
Tgt Ion: 63 Resp: 94920

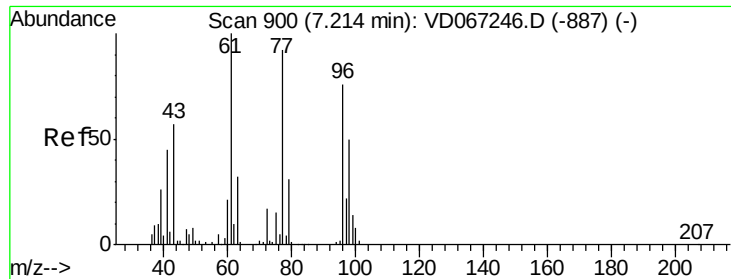
Ion Ratio Lower Upper

63 100

98 8.8 4.0 12.2

100 4.4 2.8 8.4





#25

2-Butanone

Concen: 95.300 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

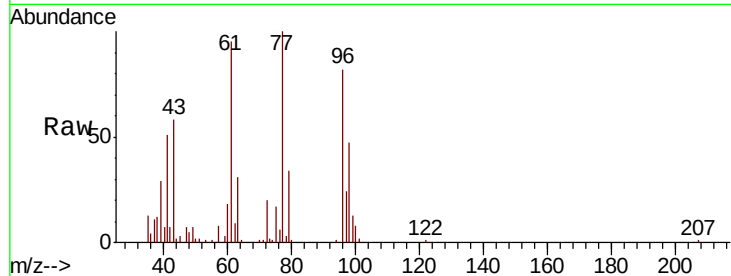
VD1030SBSD01

Tot Ion: 43 Resp: 46717

Ion Ratio Lower Upper

43 100

72 34.7 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

20000

15000

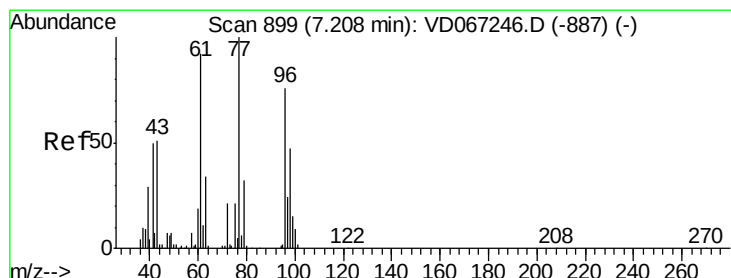
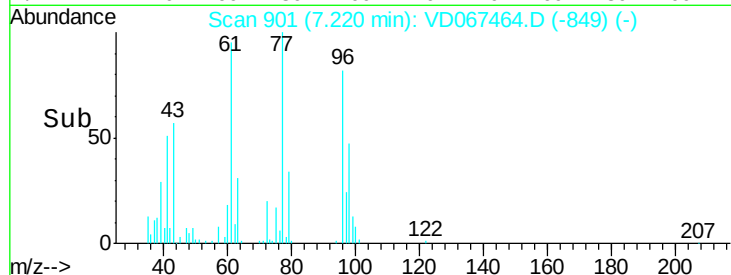
10000

5000

0

7.15 7.20 7.25

Time-->



#26

2,2-Dichloropropane

Concen: 20.827 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067464.D

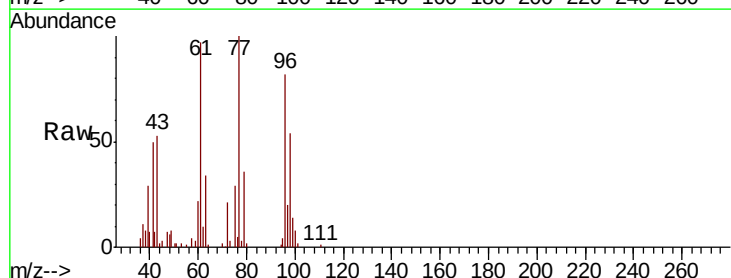
Acq: 30 Oct 2020 11:11

Tgt Ion: 77 Resp: 97241

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

30000

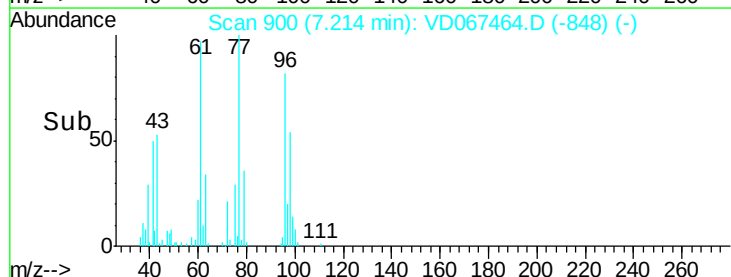
20000

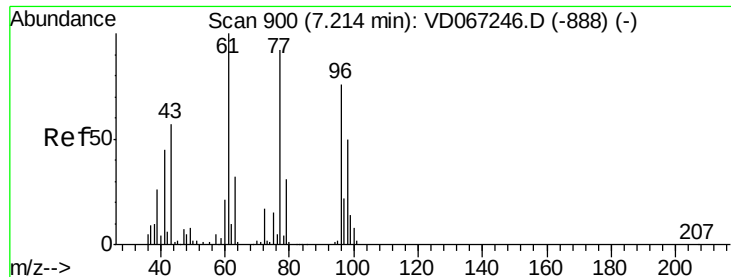
10000

0

7.10 7.20 7.30

Time-->



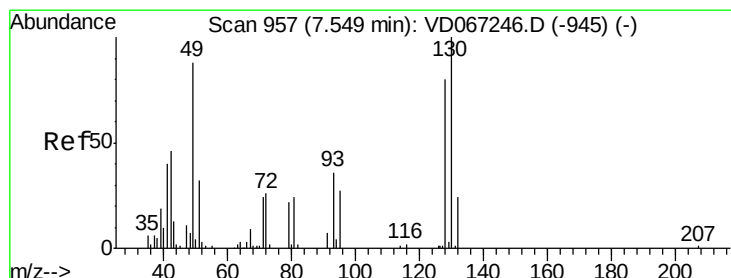
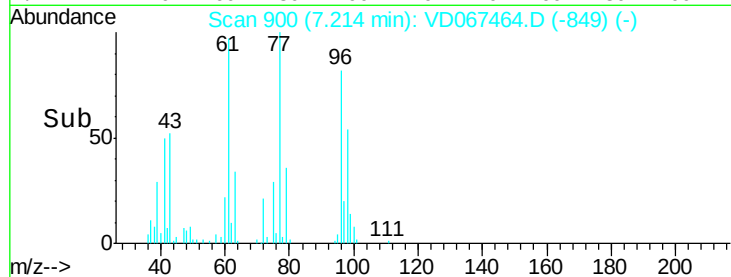
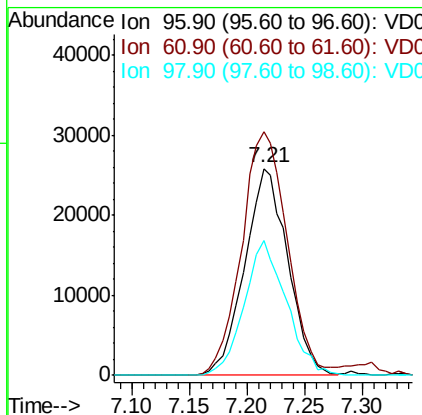
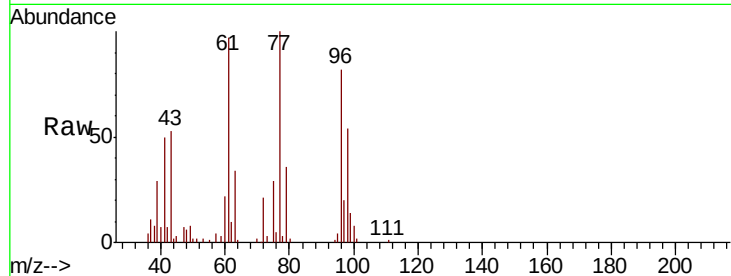


#27

cis-1,2-Dichloroethene
 Concen: 21.077 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

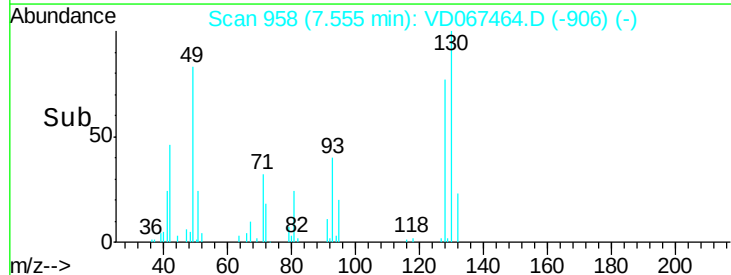
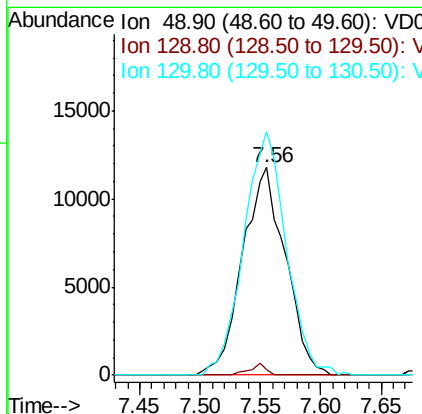
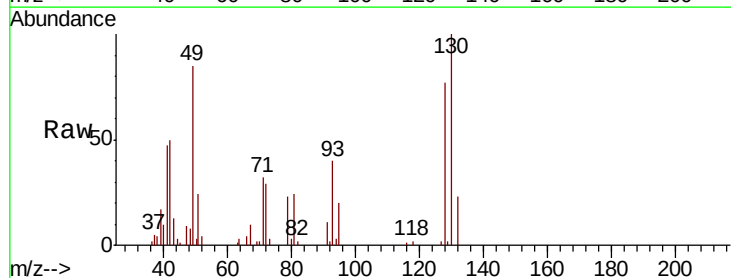
Tot Ion: 96 Resp: 67242
 Ion Ratio Lower Upper
 96 100
 61 125.4 0.0 255.4
 98 63.2 0.0 128.0

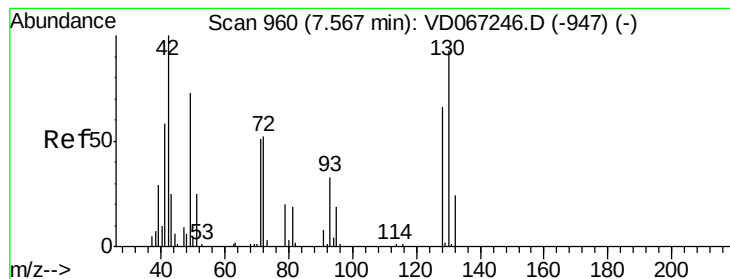


#28

Bromochloromethane
 Concen: 18.757 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 49 Resp: 28981
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 1.6#
 130 117.2 91.0 136.6





#29

Tetrahydrofuran

Concen: 92.185 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

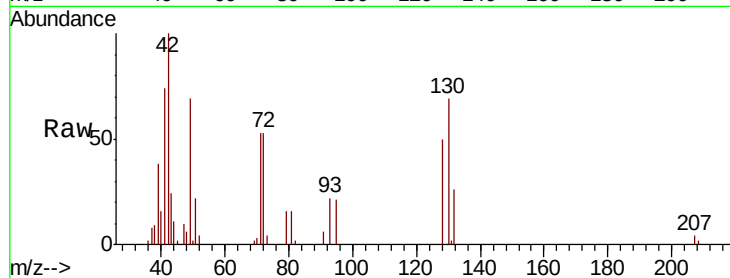
Tot Ion: 42 Resp: 25120

Ion Ratio Lower Upper

42 100

72 56.9 43.2 64.8

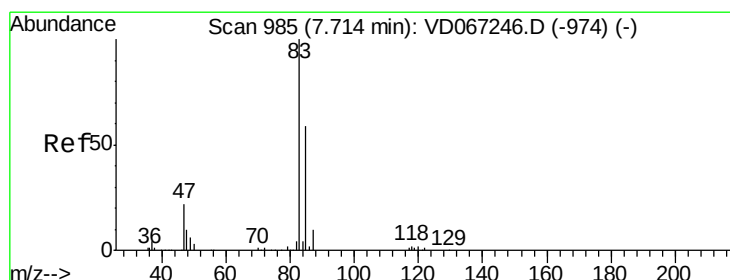
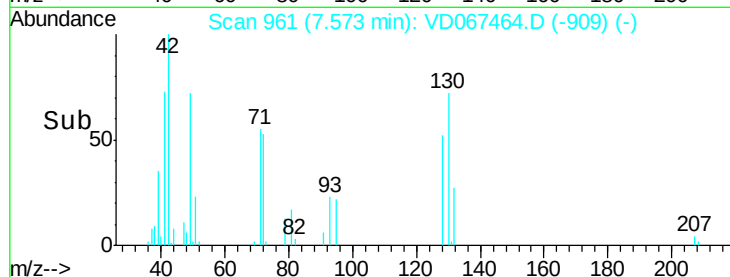
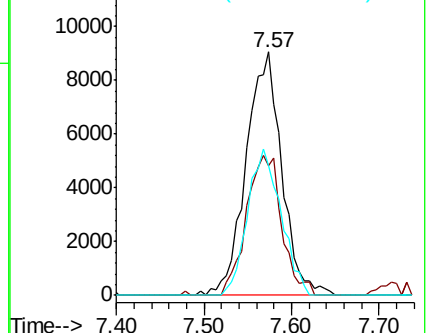
71 56.3 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.185 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067464.D

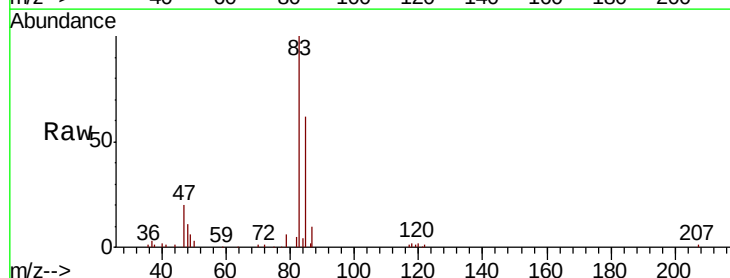
Acq: 30 Oct 2020 11:11

Tgt Ion: 83 Resp: 114640

Ion Ratio Lower Upper

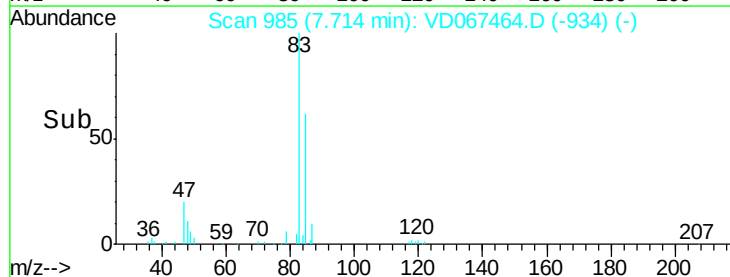
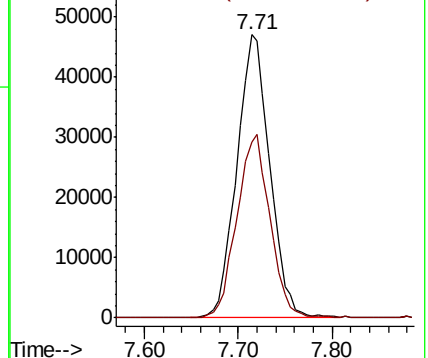
83 100

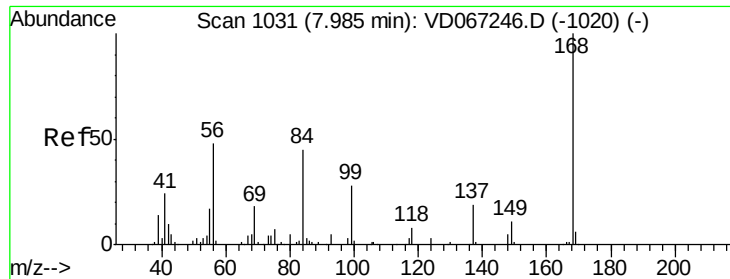
85 62.2 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

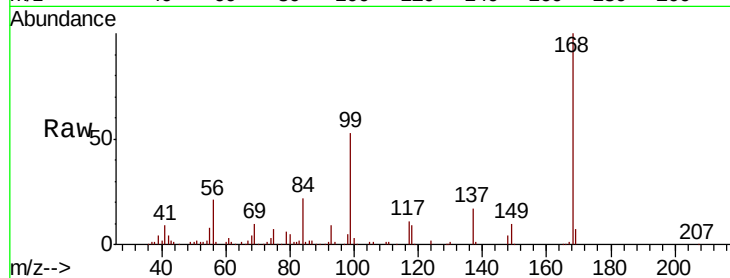




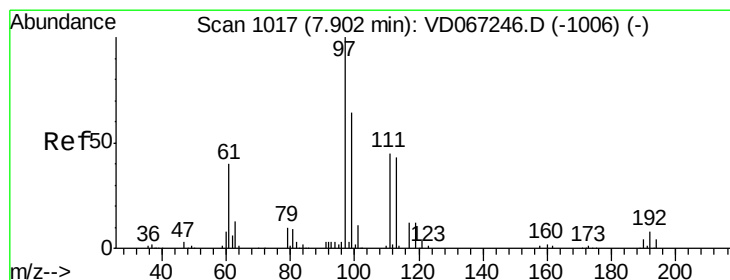
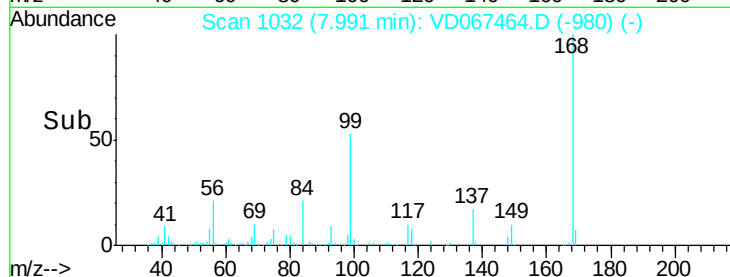
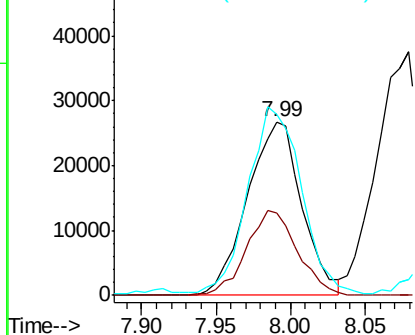
#31
Cyclohexane
Concen: 19.124 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tot Ion: 56 Resp: 67635
Ion Ratio Lower Upper
56 100
69 47.2 29.8 44.6#
84 102.7 76.6 114.8

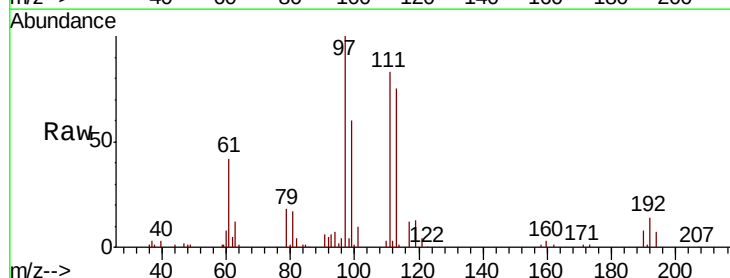


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

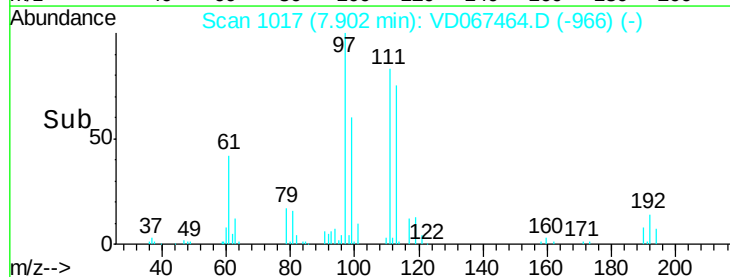
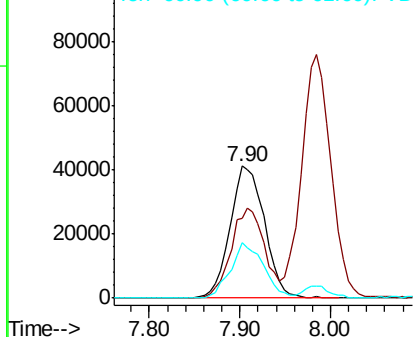


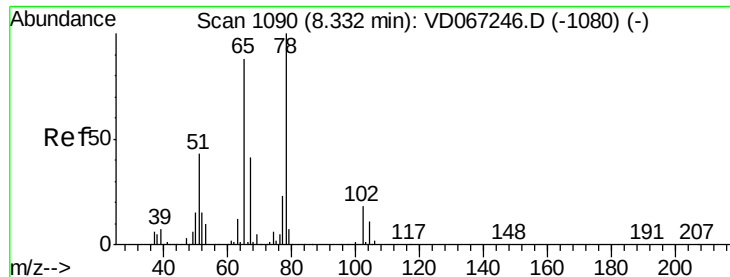
#32
1,1,1-Trichloroethane
Concen: 20.442 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 97 Resp: 108535
Ion Ratio Lower Upper
97 100
99 66.1 50.2 75.4
61 40.2 30.5 45.7



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

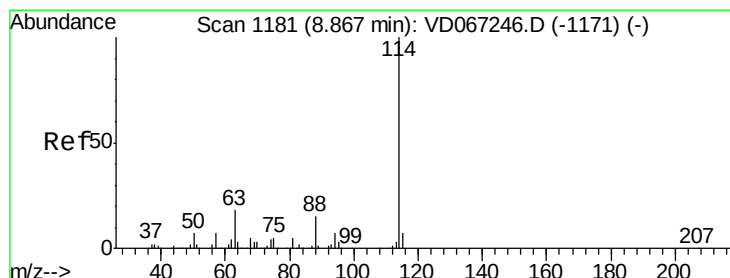
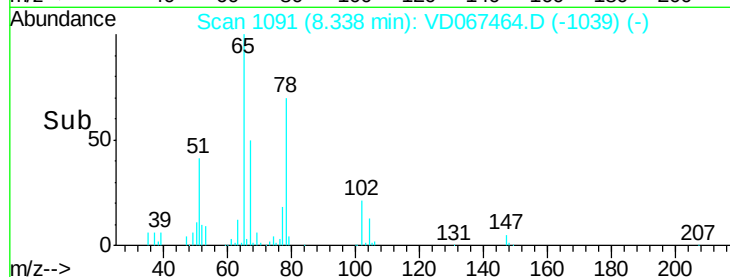
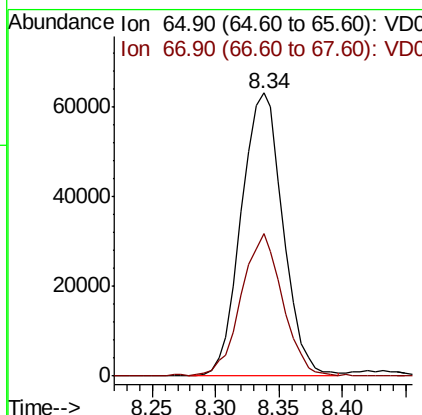
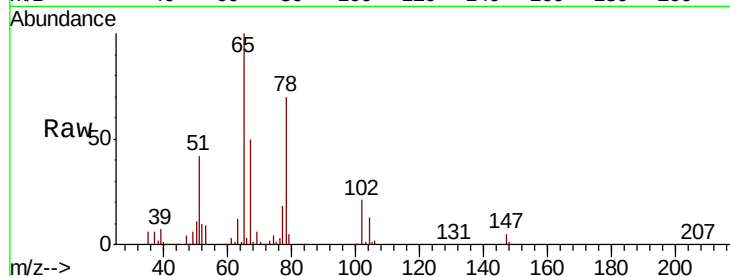




#33
 1,2-Dichloroethane-d4
 Concen: 46.955 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

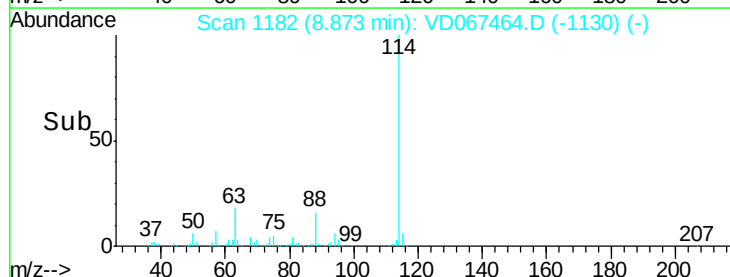
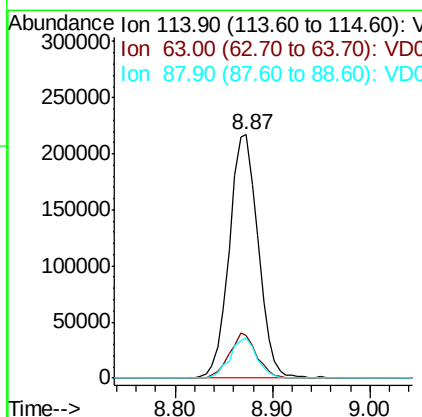
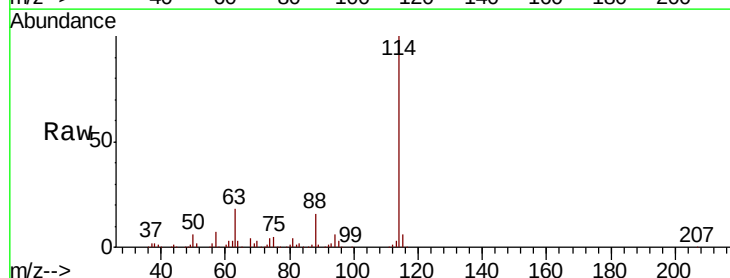
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

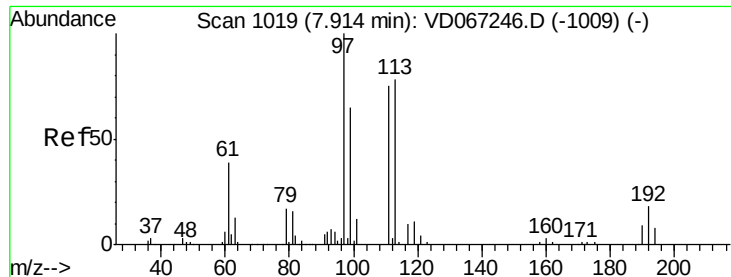
Tot Ion: 65 Resp: 144182
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 114 Resp: 446773
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.0
 88 16.3 0.0 30.6

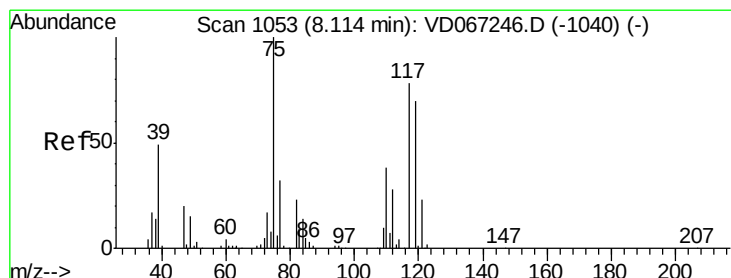
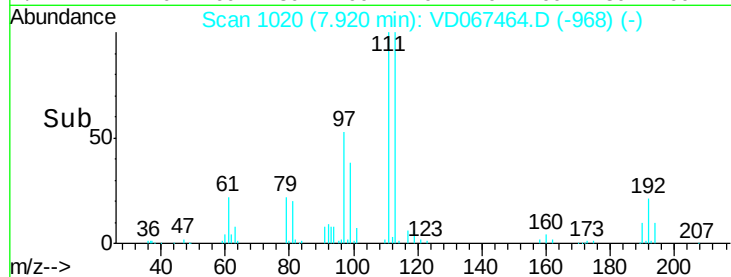
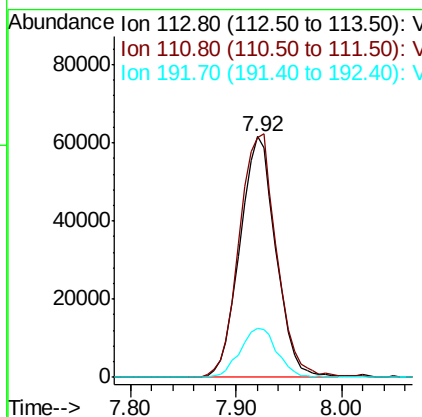
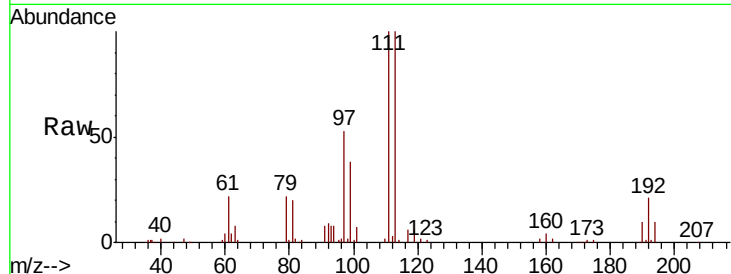




#35
 Dibromofluoromethane
 Concen: 48.993 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

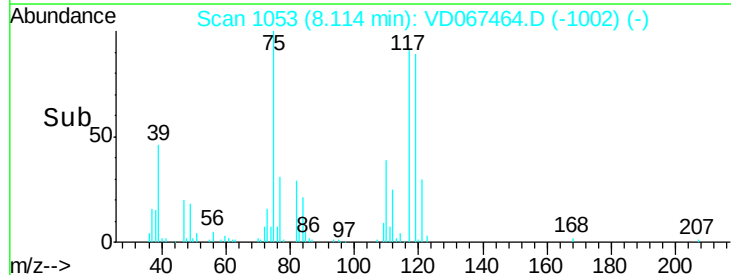
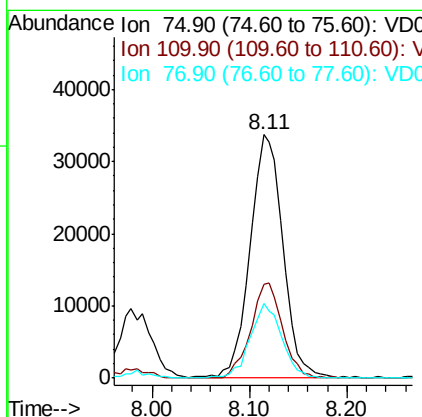
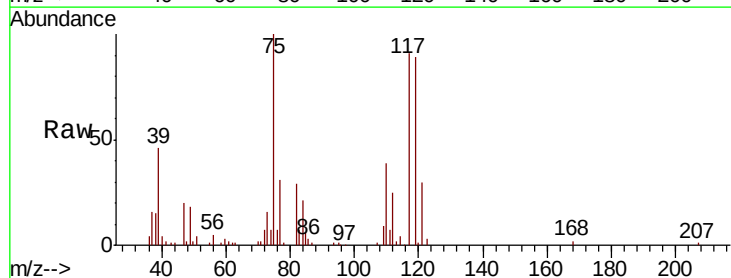
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

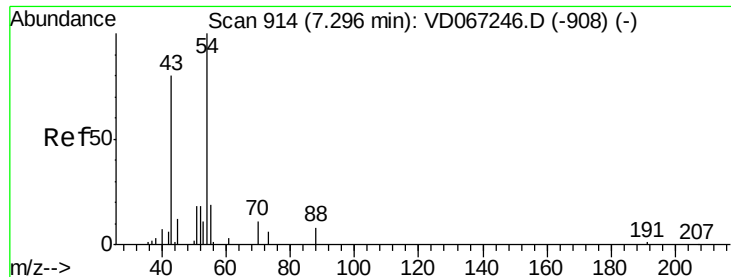
Tot Ion:113 Resp: 145670
 Ion Ratio Lower Upper
 113 100
 111 105.6 81.6 122.4
 192 21.2 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 21.063 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 75 Resp: 79761
 Ion Ratio Lower Upper
 75 100
 110 37.7 19.6 58.7
 77 29.5 24.6 37.0

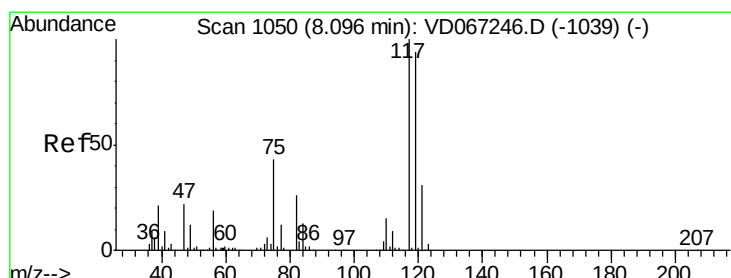
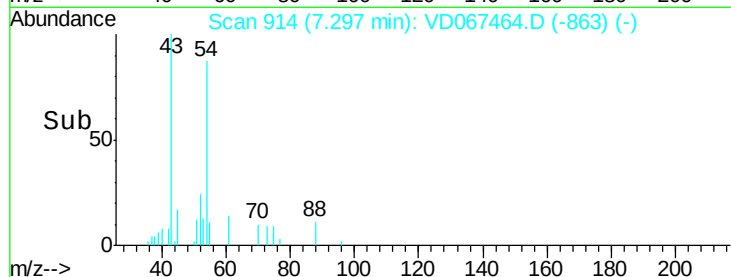
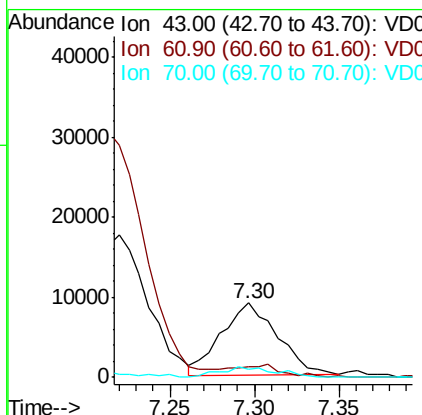
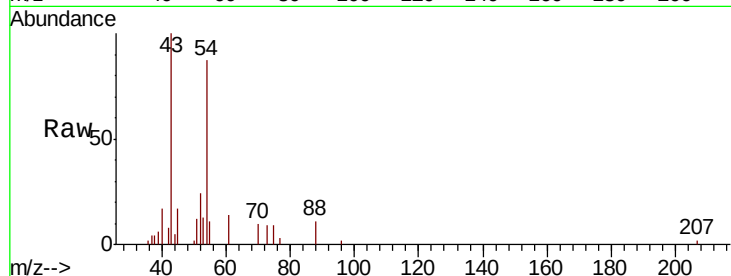




#37
Ethyl Acetate
Concen: 18.473 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

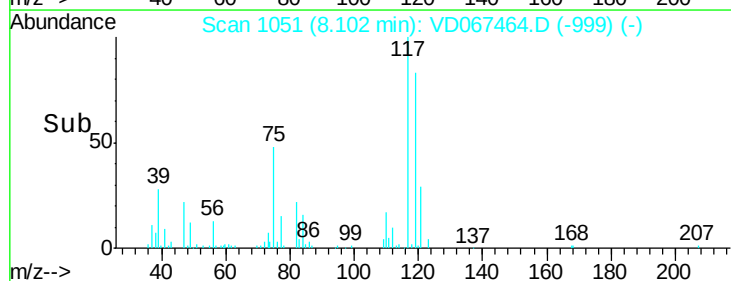
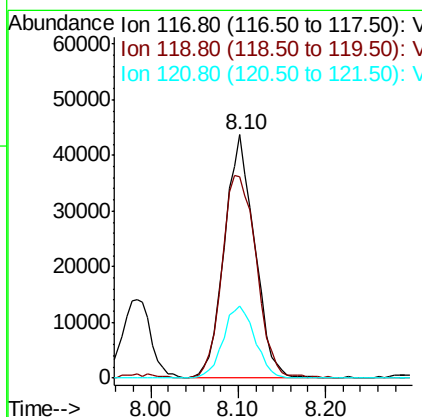
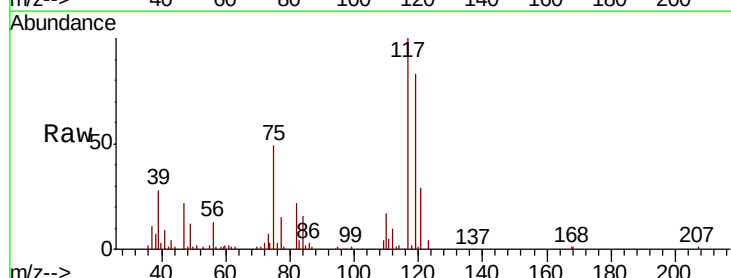
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

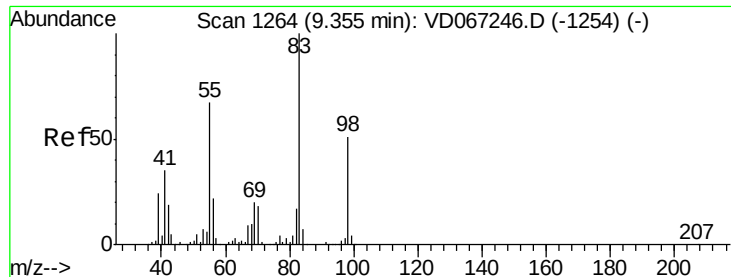
Tot Ion: 43 Resp: 20581
Ion Ratio Lower Upper
43 100
61 0.0 15.6 23.4#
70 14.8 10.4 15.6



#38
Carbon Tetrachloride
Concen: 21.376 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 117 Resp: 103456
Ion Ratio Lower Upper
117 100
119 82.8 75.0 112.4
121 29.4 24.9 37.3

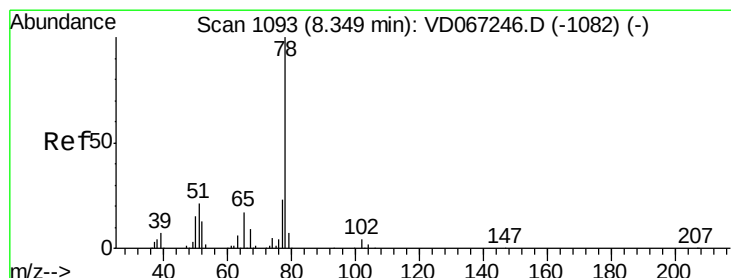
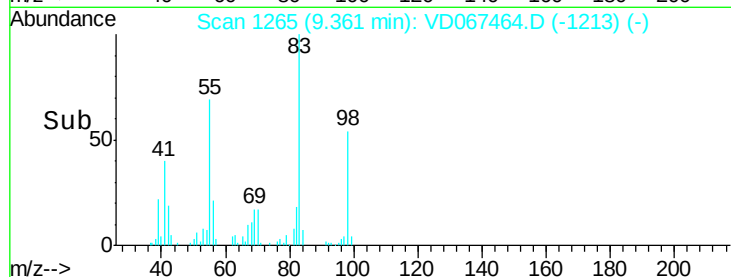
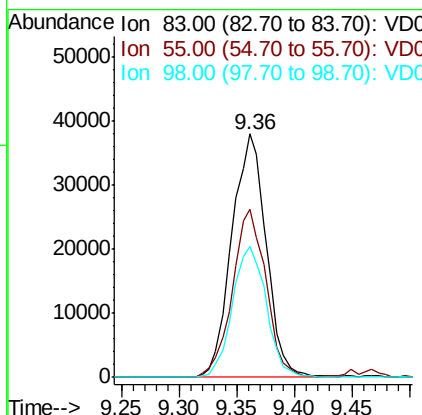
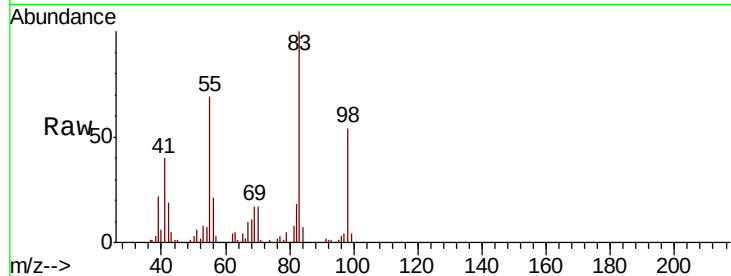




#39
Methylvlcyclohexane
Concen: 19.838 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

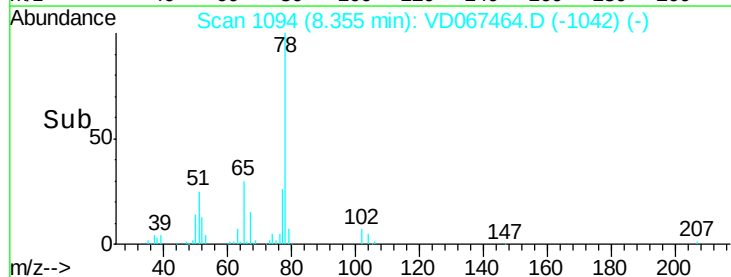
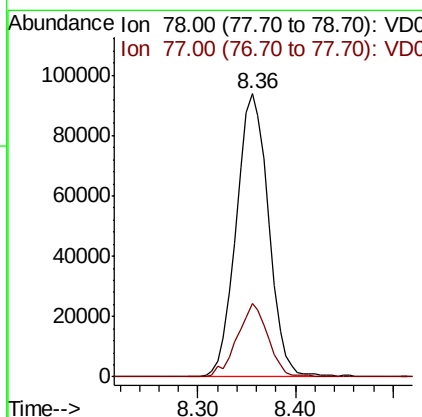
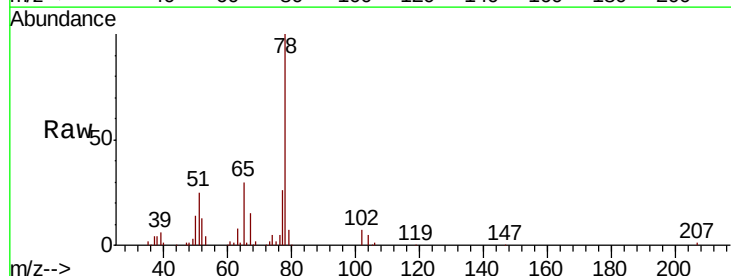
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

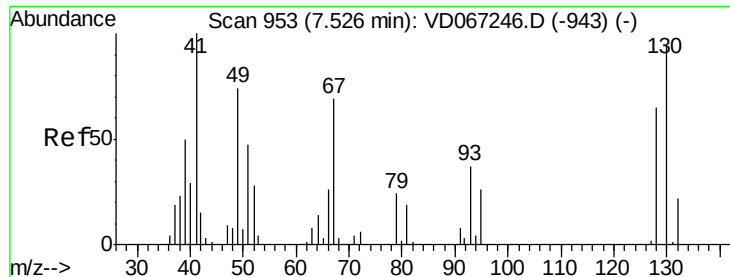
Tot Ion: 83 Resp: 78533
Ion Ratio Lower Upper
83 100
55 69.0 53.3 79.9
98 54.0 41.0 61.4



#40
Benzene
Concen: 20.924 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 78 Resp: 217362
Ion Ratio Lower Upper
78 100
77 25.8 18.3 27.5

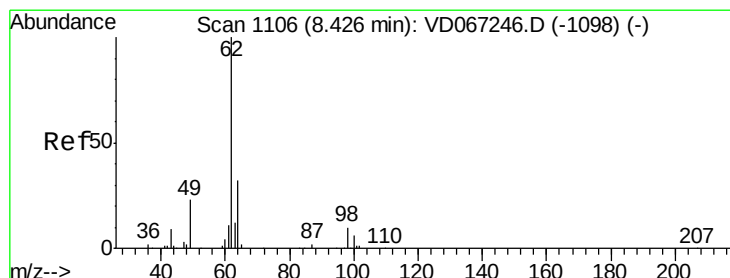
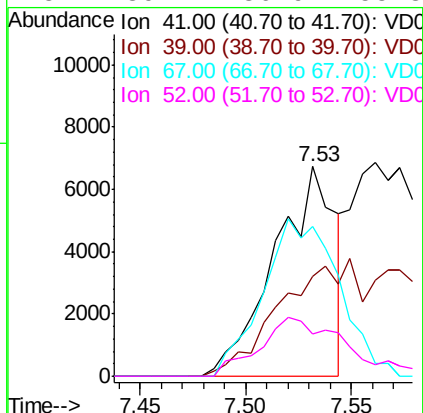
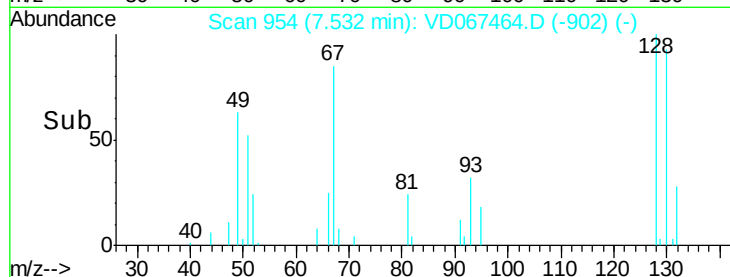
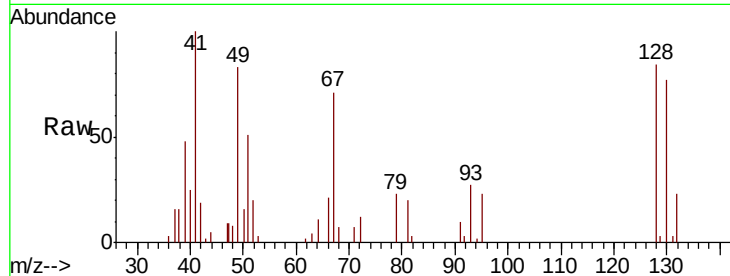




#41
Methacrylonitrile
Concen: 22.393 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

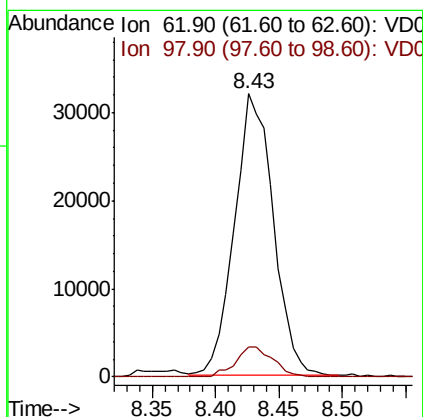
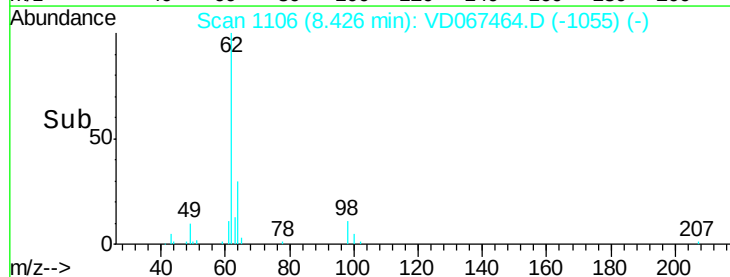
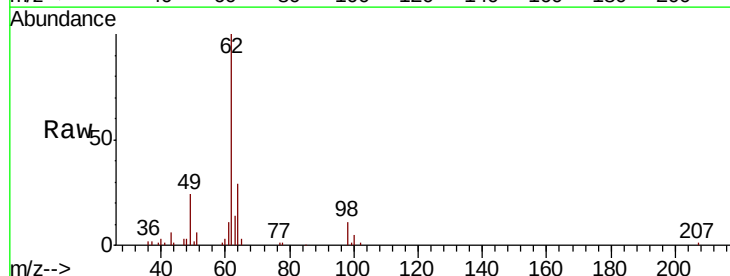
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

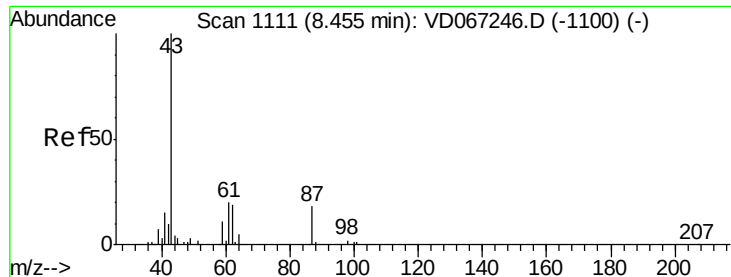
Tot Ion: 41 Resp: 13482
Ion Ratio Lower Upper
41 100
39 0.0 60.0 90.0#
67 93.6 88.9 133.3
52 39.4 36.9 55.3



#42
1,2-Dichloroethane
Concen: 20.927 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 62 Resp: 68034
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.4





#43

Isopropyl Acetate

Concen: 19.580 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBSD01

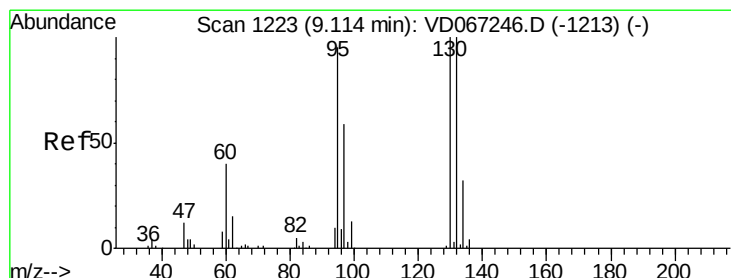
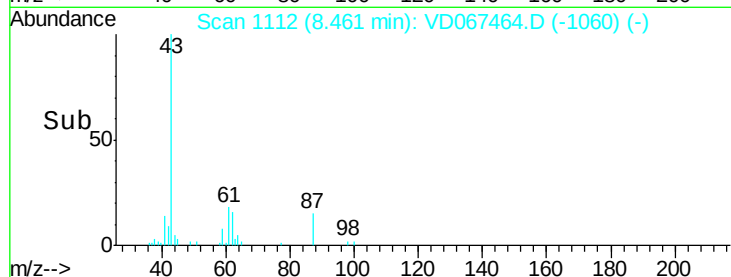
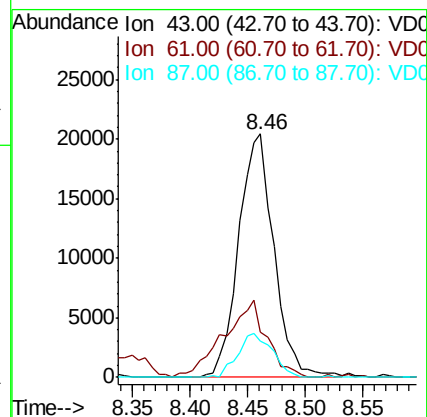
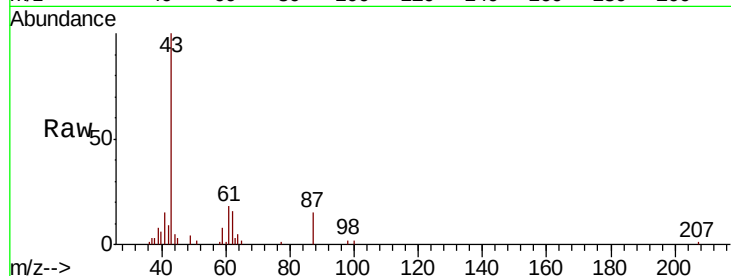
Tot Ion: 43 Resp: 43286

Ion Ratio Lower Upper

43 100

61 38.8 29.5 44.3

87 17.7 14.2 21.4



#44

Trichloroethene

Concen: 21.335 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD067464.D

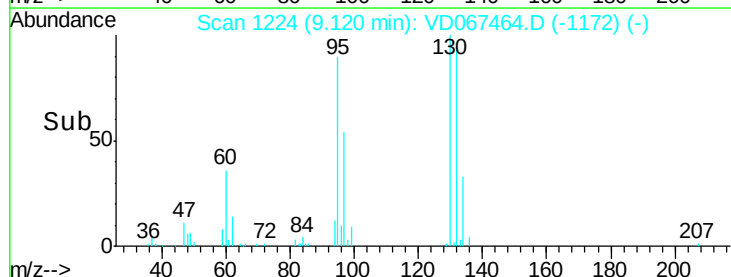
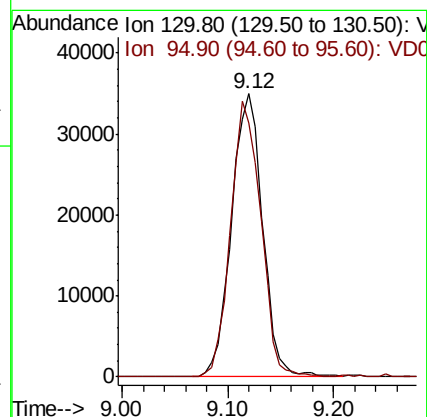
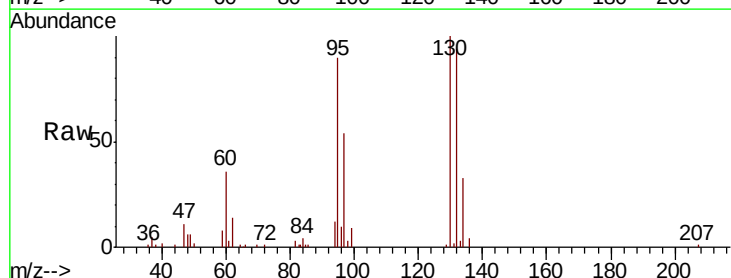
Acq: 30 Oct 2020 11:11

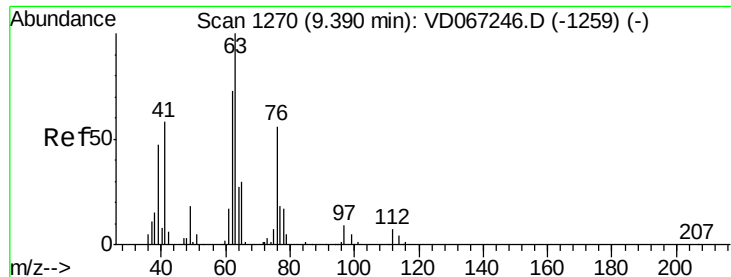
Tgt Ion: 130 Resp: 70962

Ion Ratio Lower Upper

130 100

95 89.9 0.0 190.6

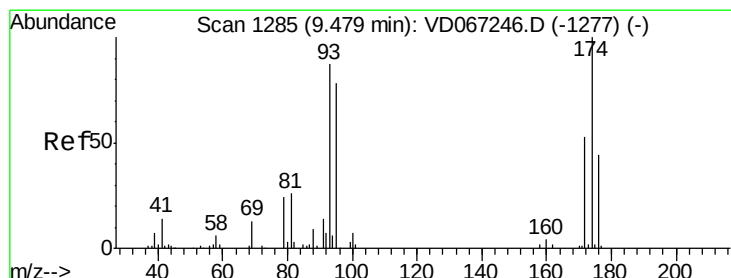
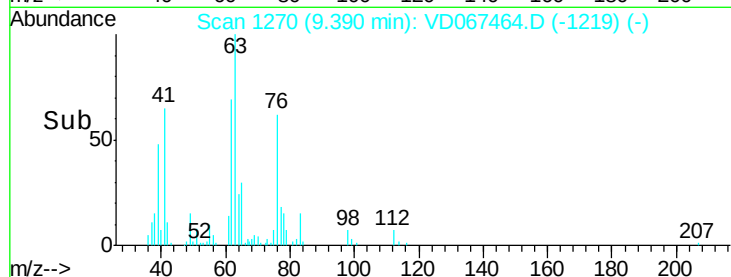
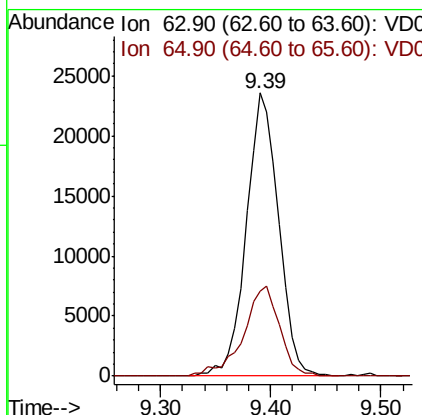
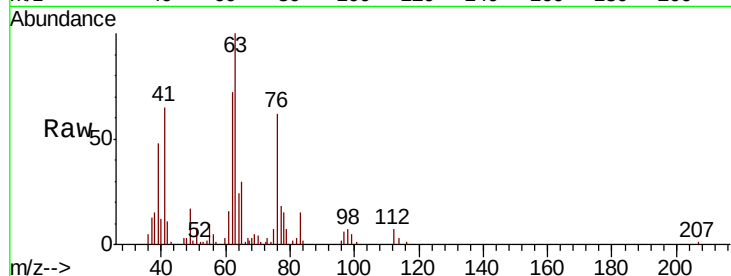




#45
 1,2-Dichloropropane
 Concen: 20.103 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

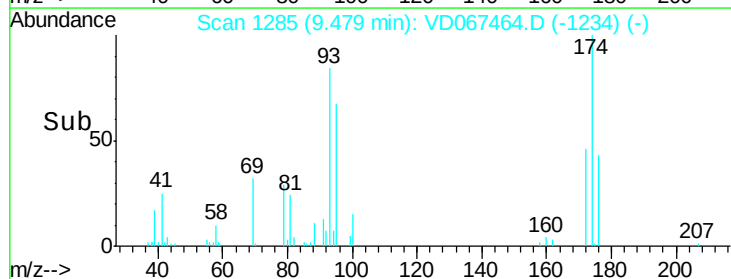
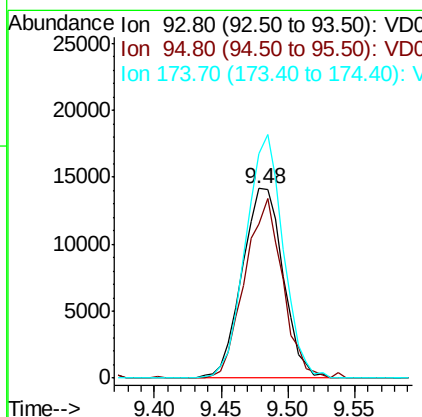
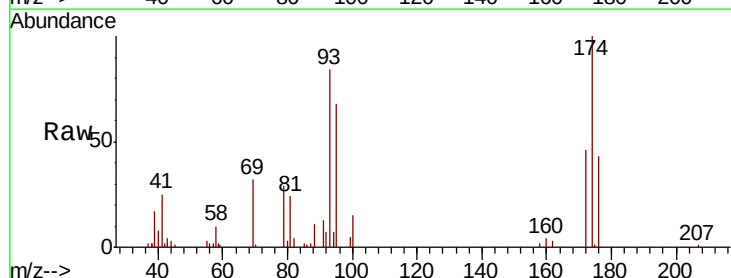
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

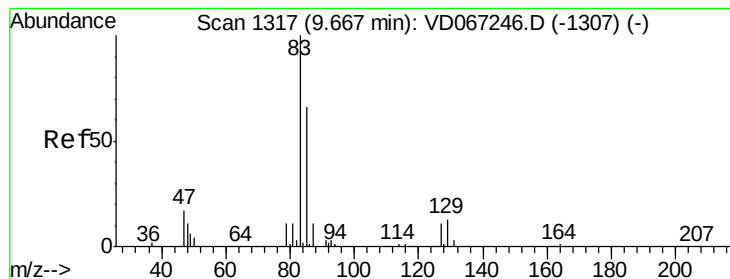
Tot Ion: 63 Resp: 48399
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.6 36.8



#46
 Dibromomethane
 Concen: 20.093 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 93 Resp: 30140
 Ion Ratio Lower Upper
 93 100
 95 86.7 68.0 102.0
 174 117.1 91.8 137.6





#47

Bromodichloromethane

Concen: 21.511 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBSD01

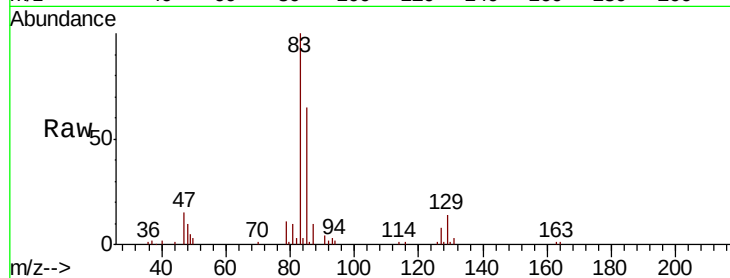
Tot Ion: 83 Resp: 86454

Ion Ratio Lower Upper

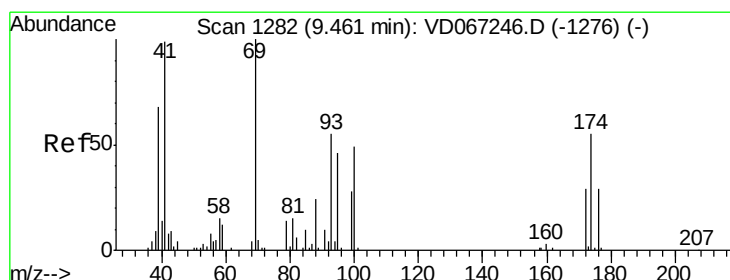
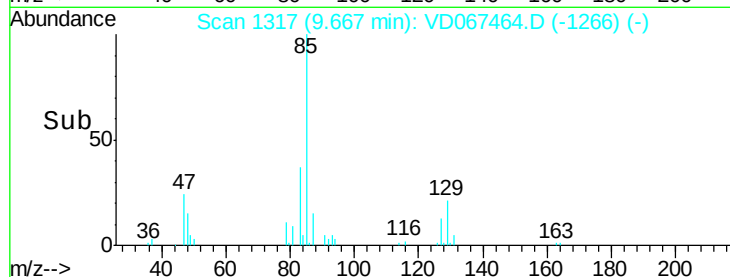
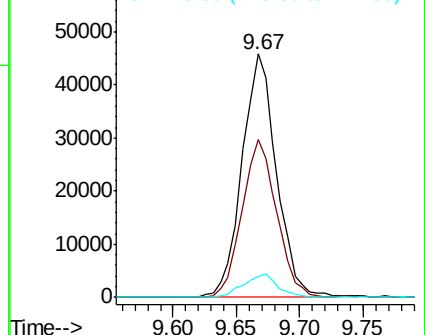
83 100

85 64.7 53.1 79.7

127 8.4 8.6 13.0#



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: 18.565 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

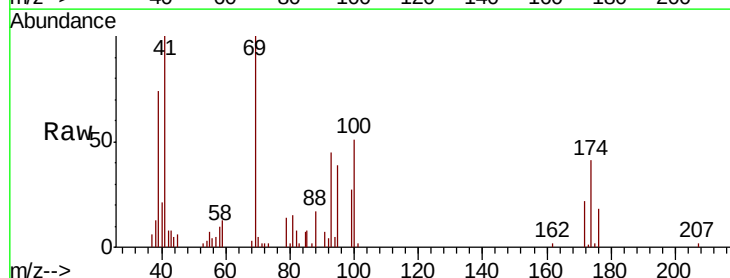
Tgt Ion: 41 Resp: 19945

Ion Ratio Lower Upper

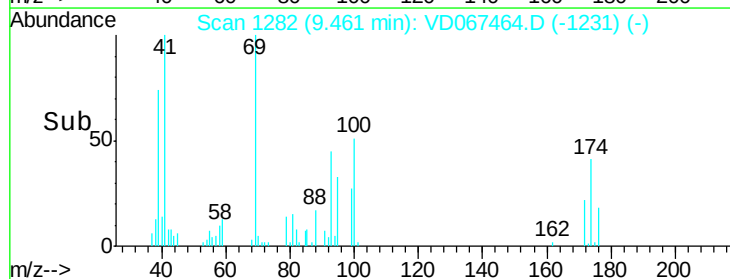
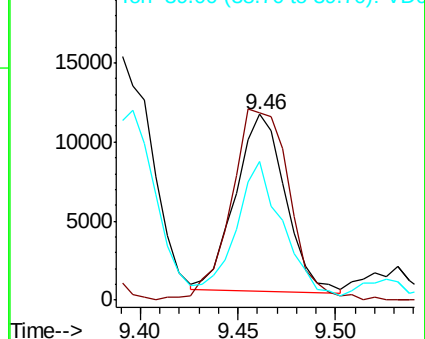
41 100

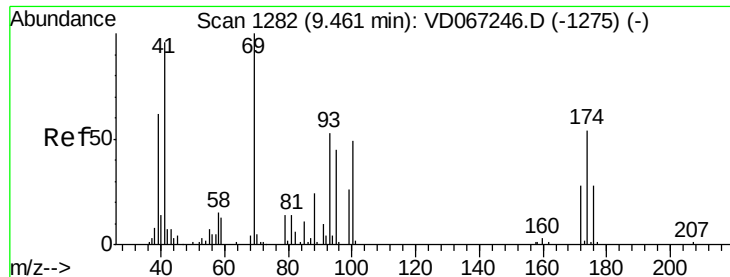
69 125.5 89.0 133.6

39 76.3 60.2 90.2



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

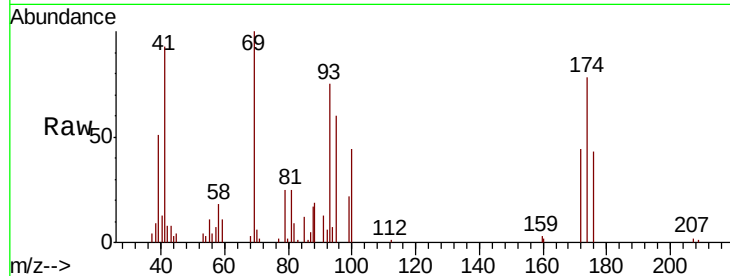




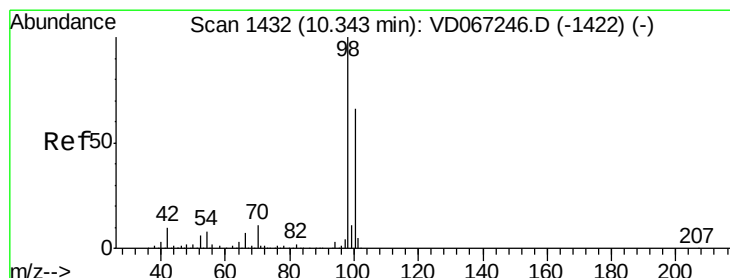
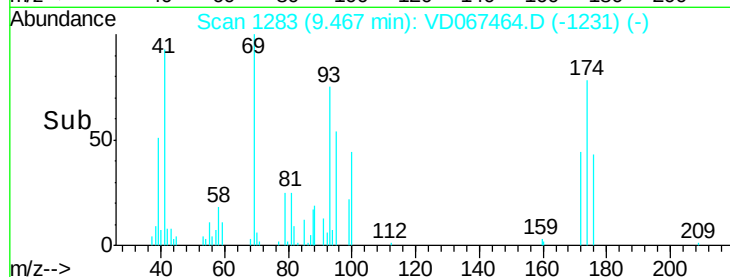
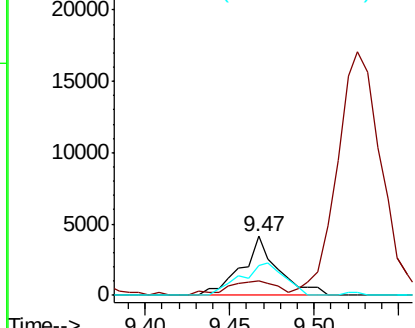
#49
1,4-Dioxane
Concen: 408.518 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tot Ion: 88 Resp: 6191
Ion Ratio Lower Upper
88 100
43 33.6 23.9 35.9
58 66.1 51.0 76.6

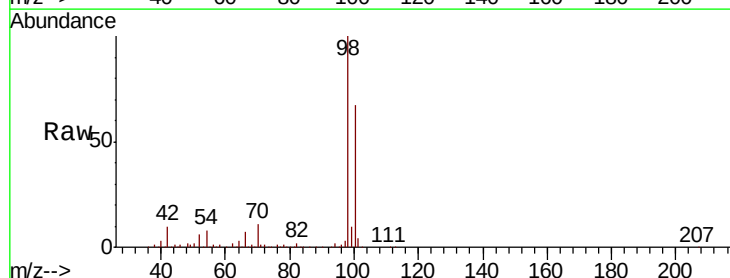


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

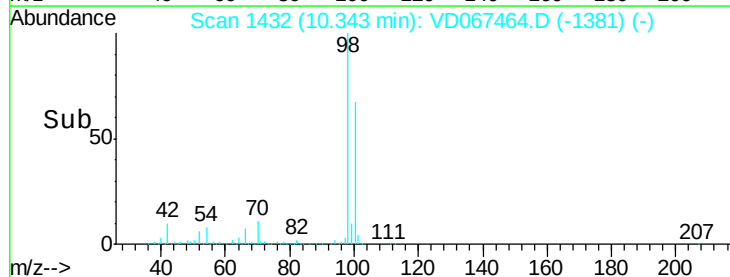
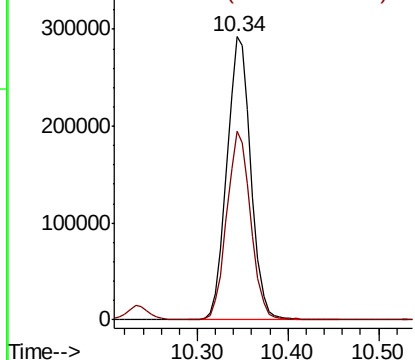


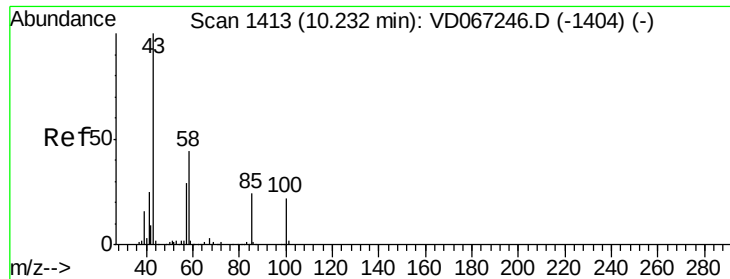
#50
Toluene-d8
Concen: 49.912 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 98 Resp: 537051
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



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

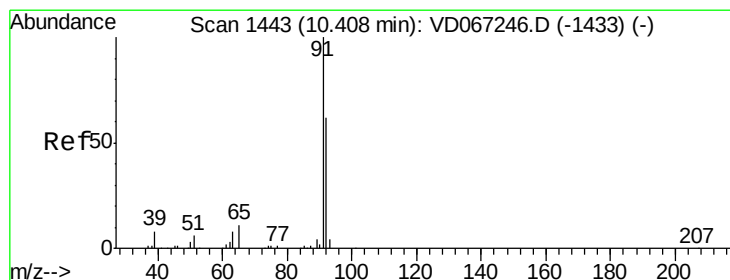
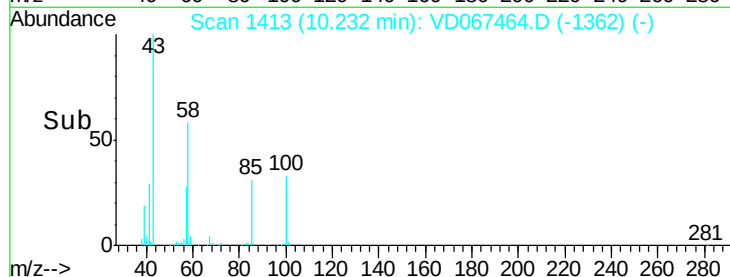
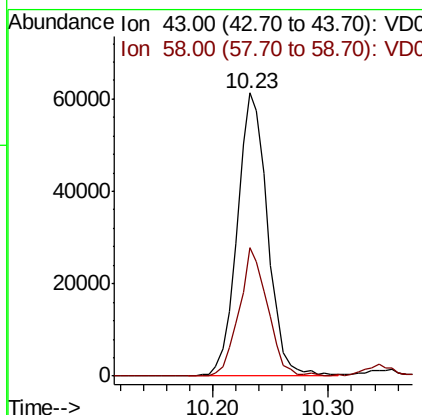
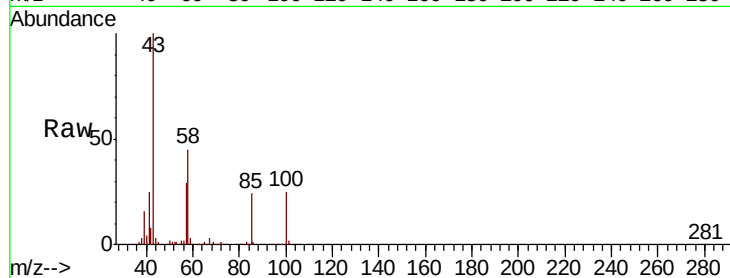




#51
 4-Methyl-2-Pentanone
 Concen: 100.864 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

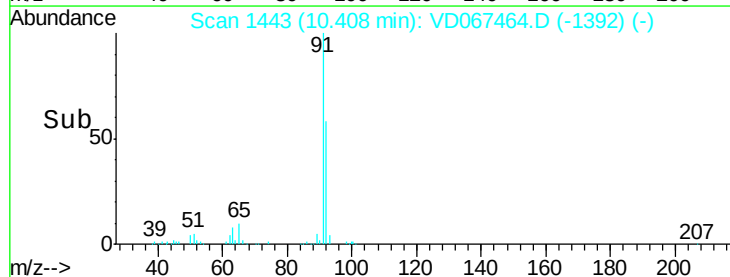
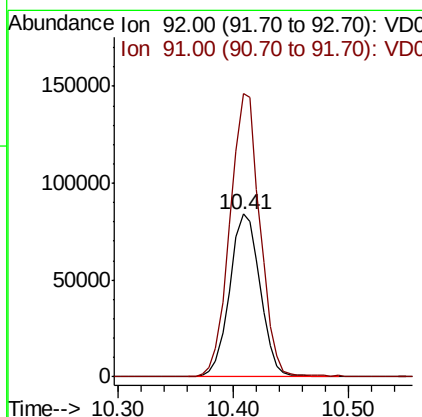
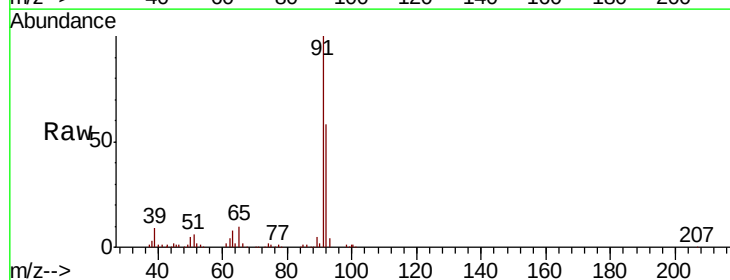
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

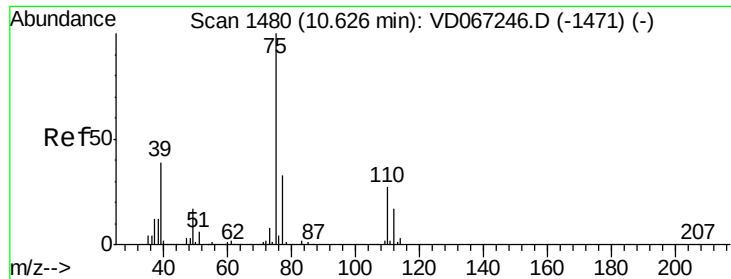
Tot Ion: 43 Resp: 111215
 Ion Ratio Lower Upper
 43 100
 58 42.7 35.7 53.5



#52
 Toluene
 Concen: 21.791 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 92 Resp: 154181
 Ion Ratio Lower Upper
 92 100
 91 171.5 133.8 200.8

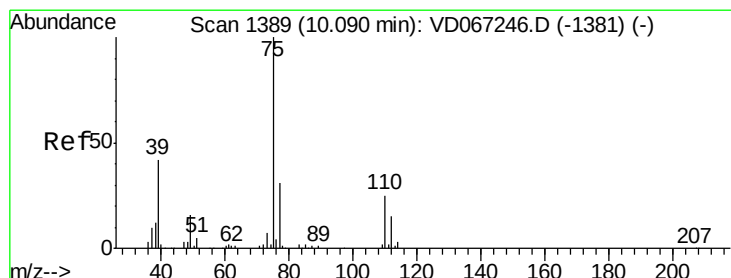
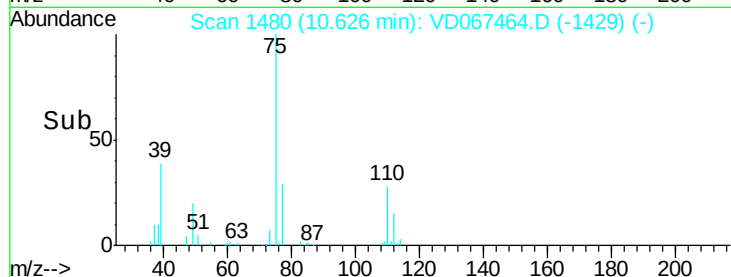
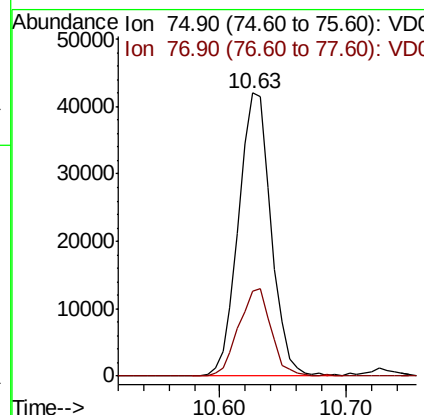
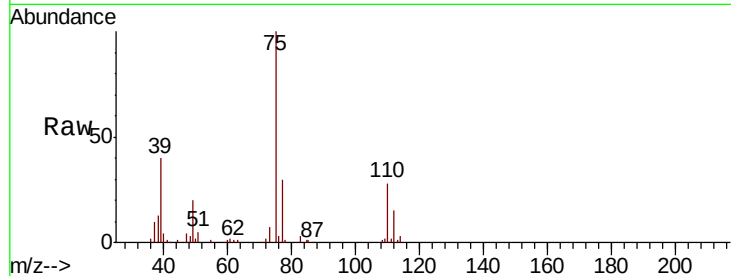




#53
t-1,3-Dichloropropene
Concen: 21.147 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

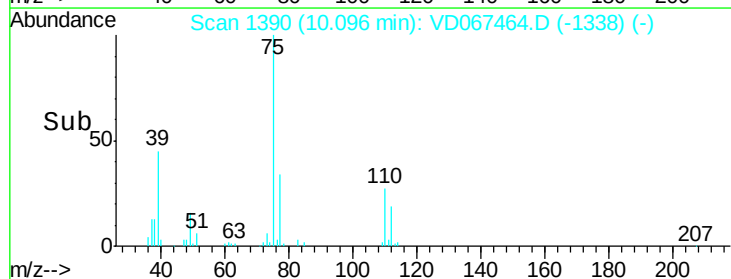
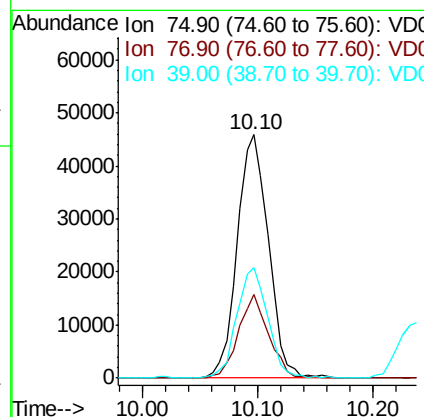
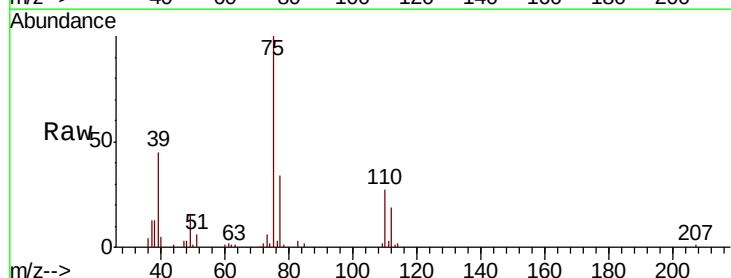
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

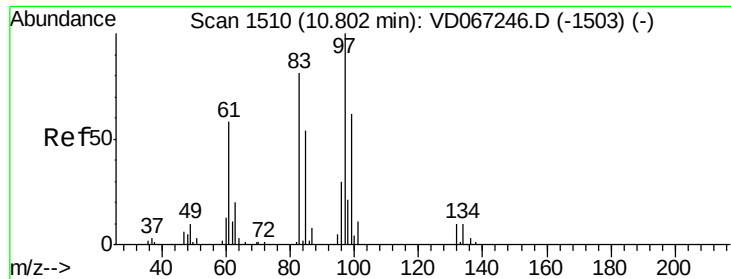
Tot Ion: 75 Resp: 74659
Ion Ratio Lower Upper
75 100
77 30.0 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 20.755 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 75 Resp: 85753
Ion Ratio Lower Upper
75 100
77 34.1 24.5 36.7
39 45.2 33.7 50.5

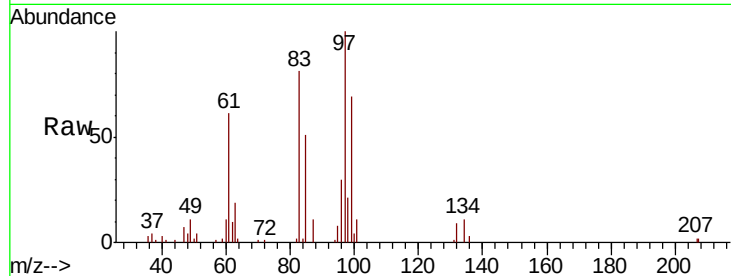




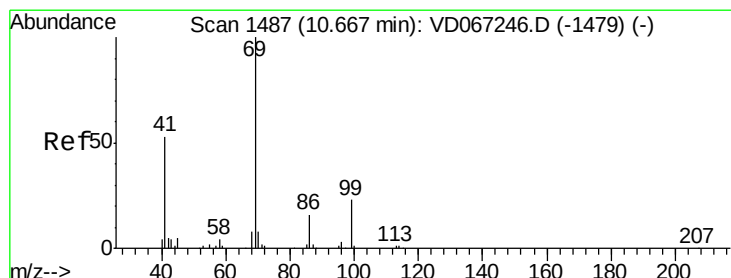
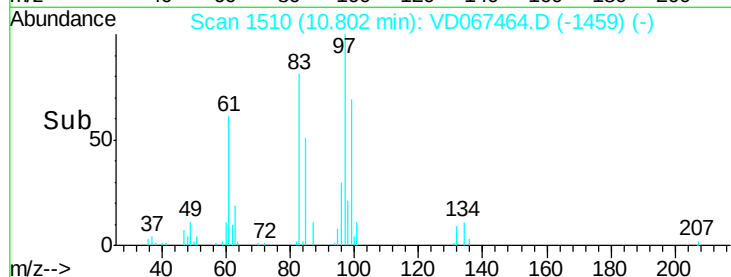
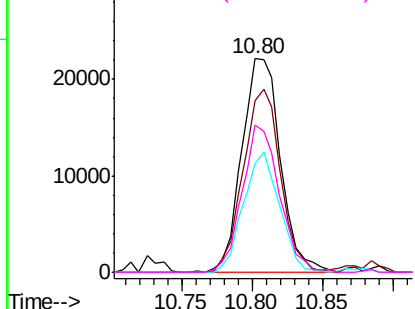
#55
 1,1,2-Trichloroethane
 Concen: 20.881 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

Tot Ion:	97	Resp:	42713
Ion	Ratio	Lower	Upper
97	100		
83	80.6	64.9	97.3
85	51.2	43.3	64.9
99	68.8	49.1	73.7

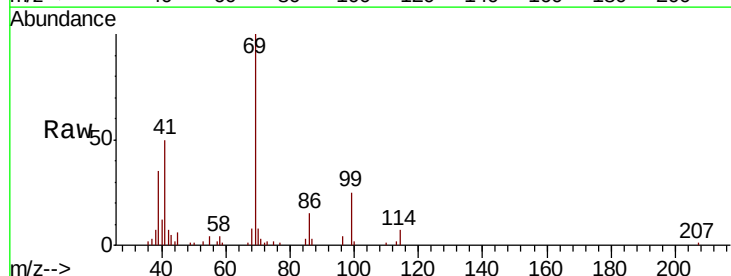


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

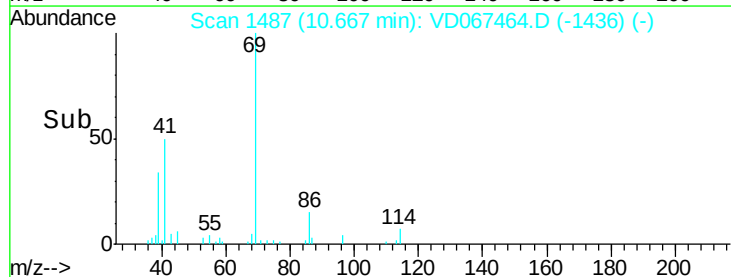
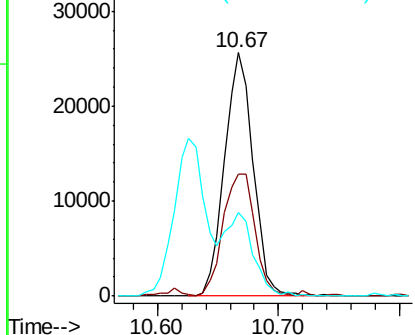


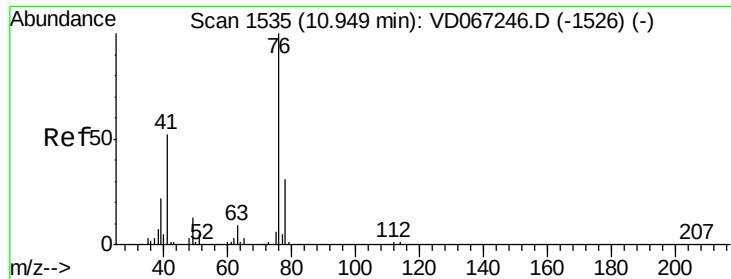
#56
 Ethyl methacrylate
 Concen: 19.860 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion:	69	Resp:	42132
Ion	Ratio	Lower	Upper
69	100		
41	56.3	44.7	67.1
39	34.3	26.2	39.2



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

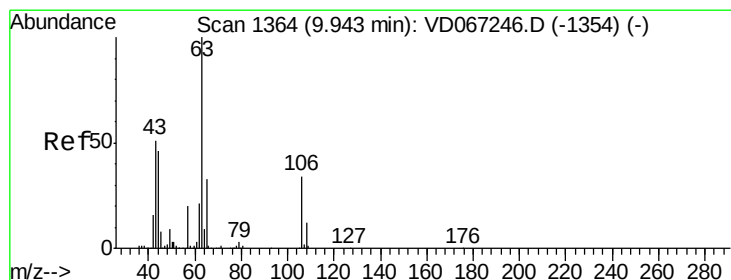
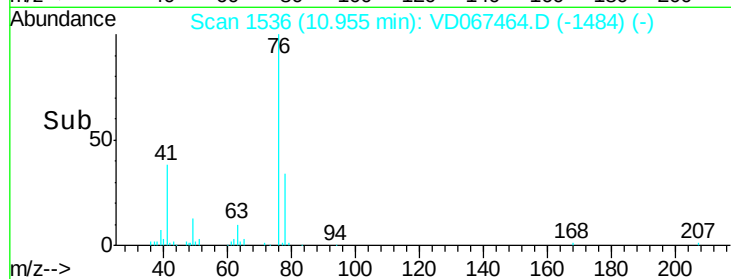
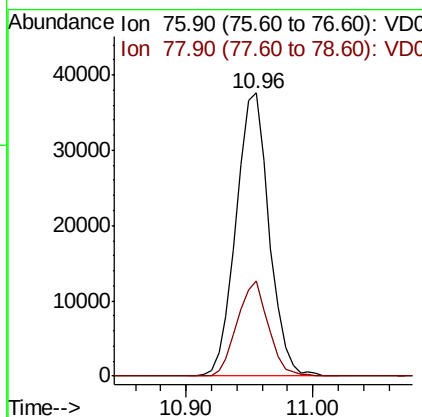
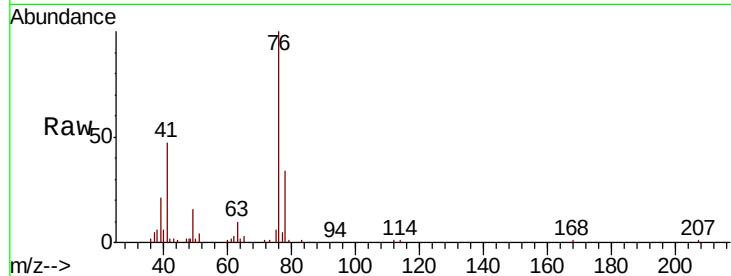




#57
 1,3-Dichloropropane
 Concen: 20.912 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

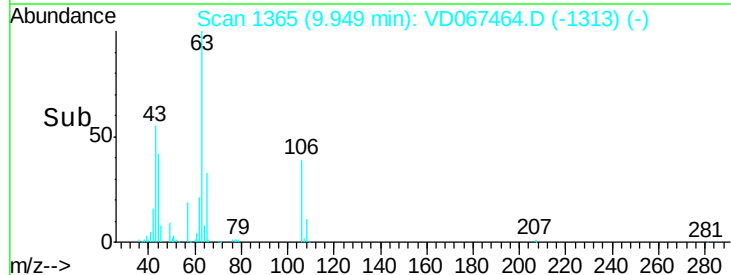
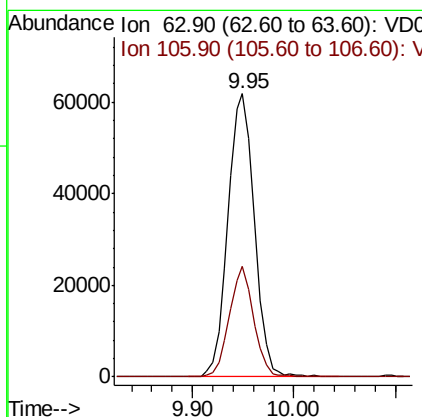
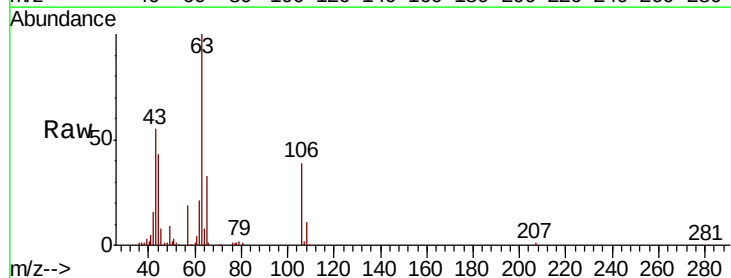
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

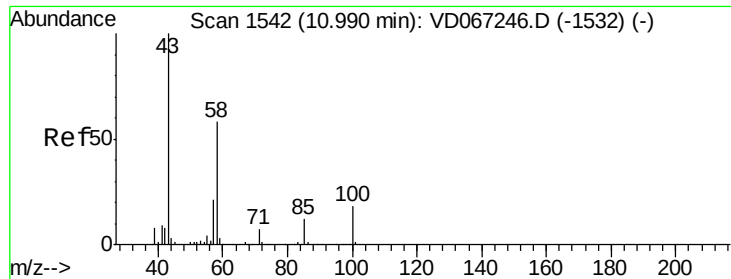
Tot Ion: 76 Resp: 68075
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.618 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 63 Resp: 111678
 Ion Ratio Lower Upper
 63 100
 106 35.8 27.8 41.6

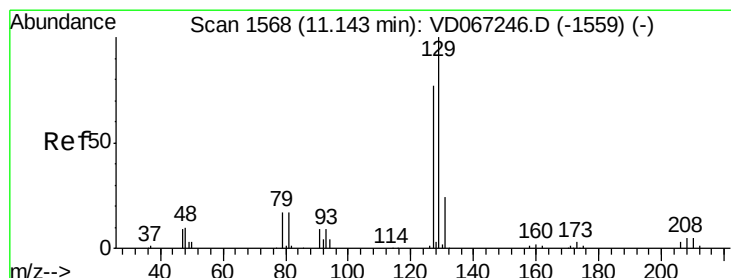
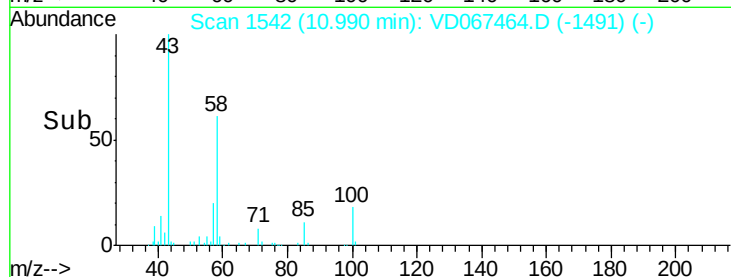
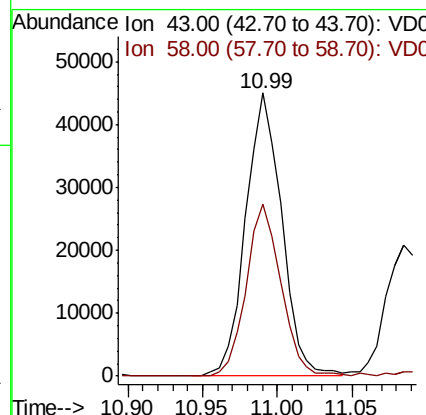
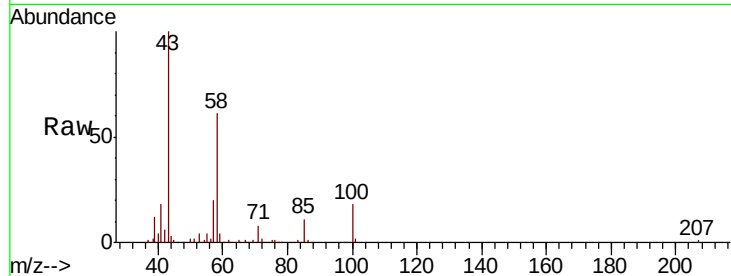




#59
2-Hexanone
Concen: 99.832 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

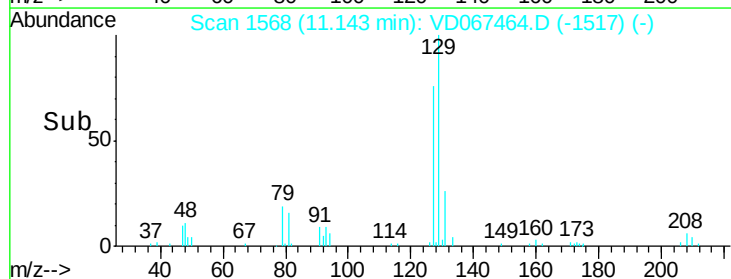
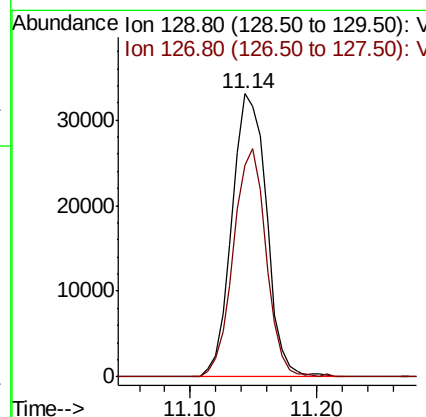
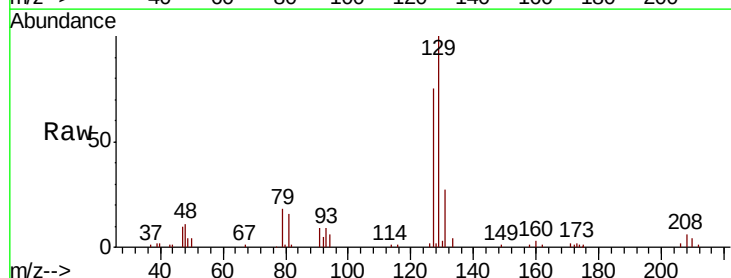
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

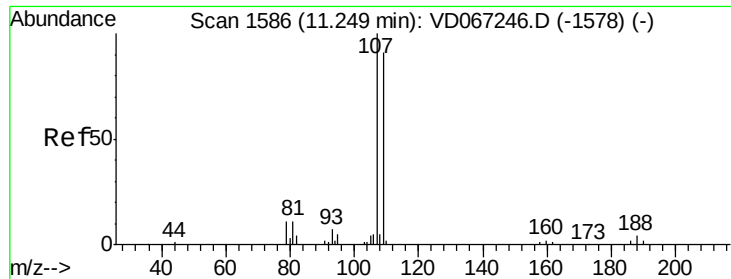
Tot Ion: 43 Resp: 75219
Ion Ratio Lower Upper
43 100
58 58.7 29.3 87.9



#60
Dibromochloromethane
Concen: 20.899 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 129 Resp: 62344
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.8

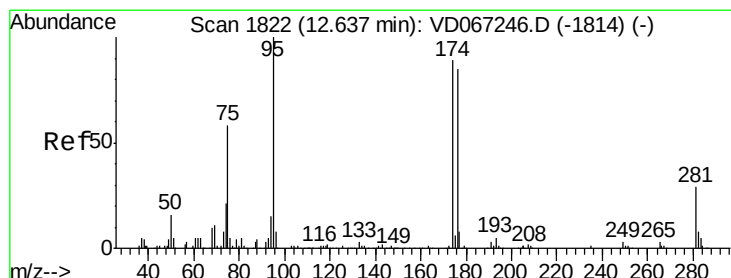
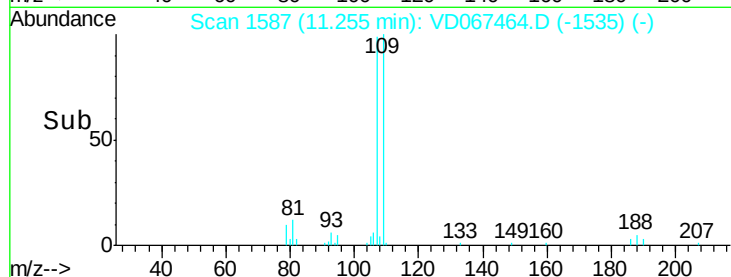
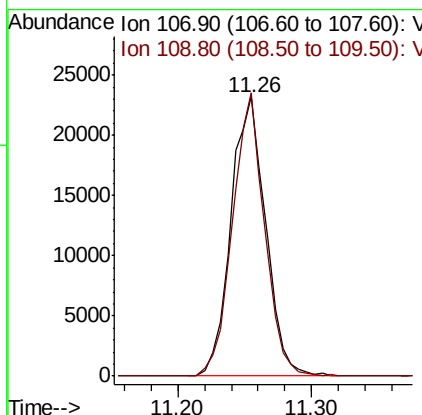
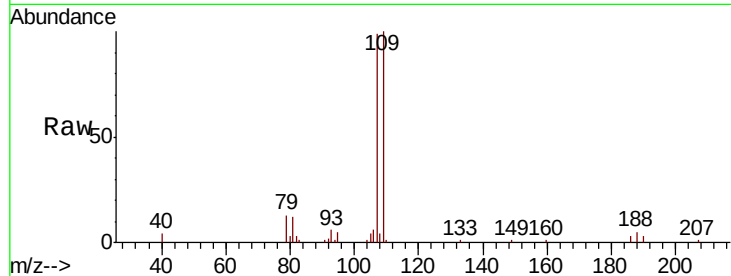




#61
 1,2-Dibromoethane
 Concen: 20.726 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

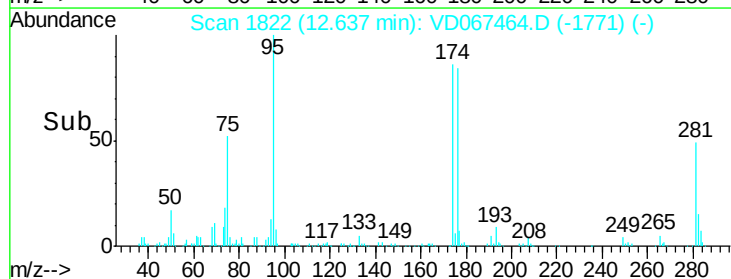
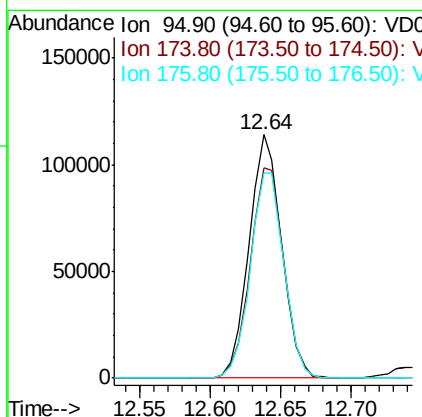
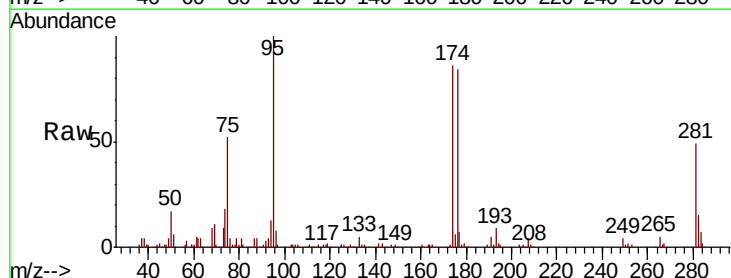
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

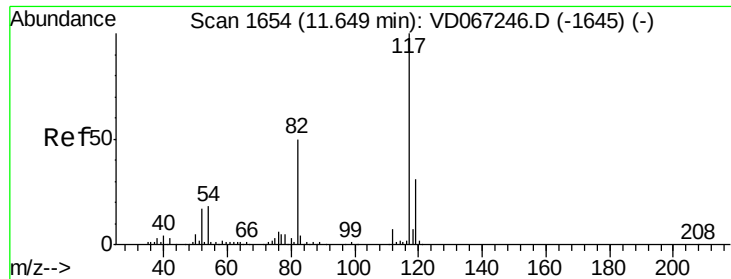
Tot Ion:107 Resp: 41795
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.673 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 95 Resp: 185853
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 175.2
 176 86.5 0.0 168.6

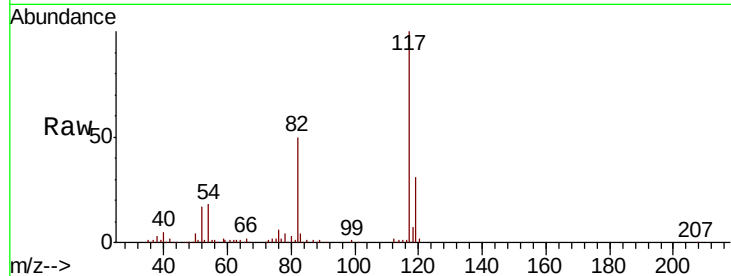




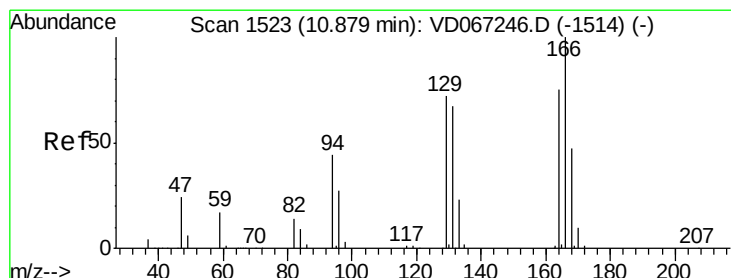
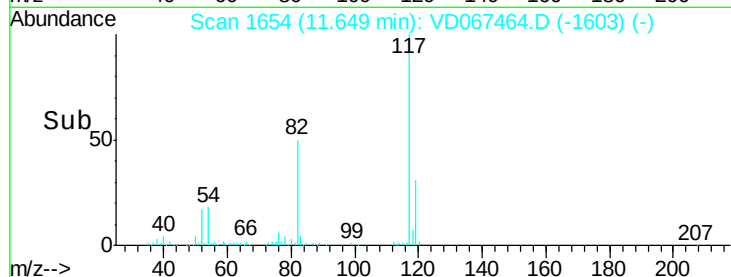
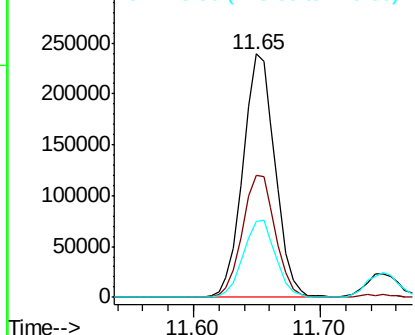
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion:117 Resp: 420763
Ion Ratio Lower Upper
117 100
82 50.1 39.9 59.9
119 31.4 24.9 37.3

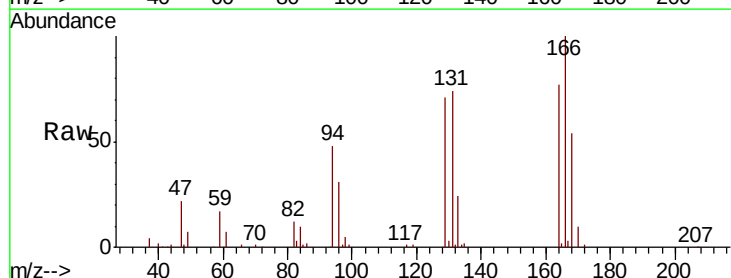


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

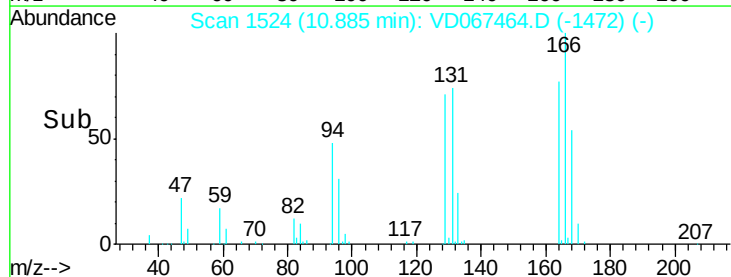
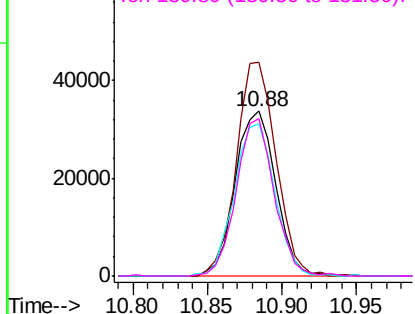


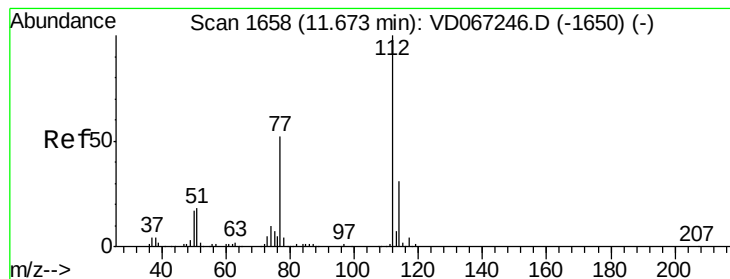
#64
Tetrachloroethene
Concen: 20.861 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion:164 Resp: 63595
Ion Ratio Lower Upper
164 100
166 129.6 107.3 160.9
129 92.4 77.3 115.9
131 95.4 71.4 107.2



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





#65

Chlorobenzene

Concen: 21.329 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

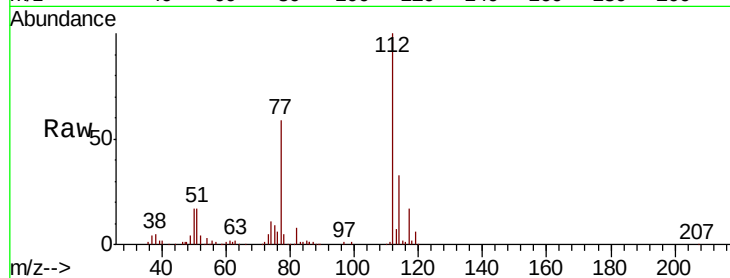
VD1030SBSD01

Tot Ion:112 Resp: 172094

Ion Ratio Lower Upper

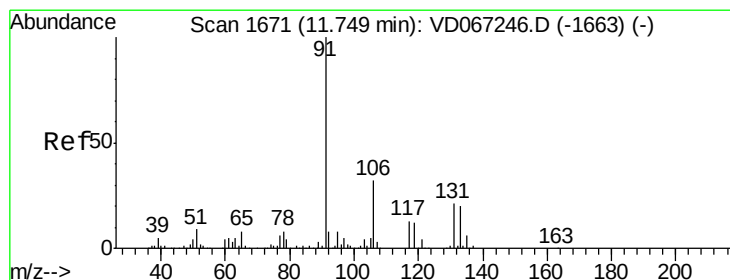
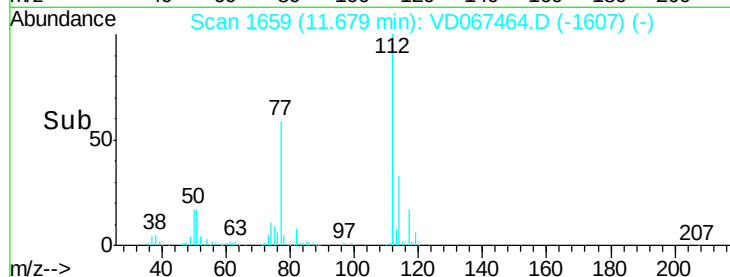
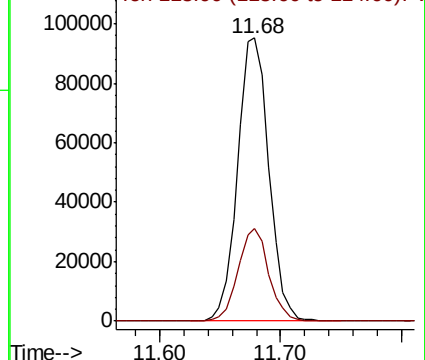
112 100

114 32.7 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.891 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

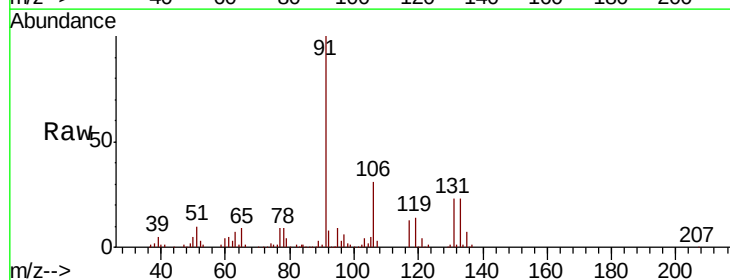
Tgt Ion:131 Resp: 70200

Ion Ratio Lower Upper

131 100

133 95.9 48.1 144.3

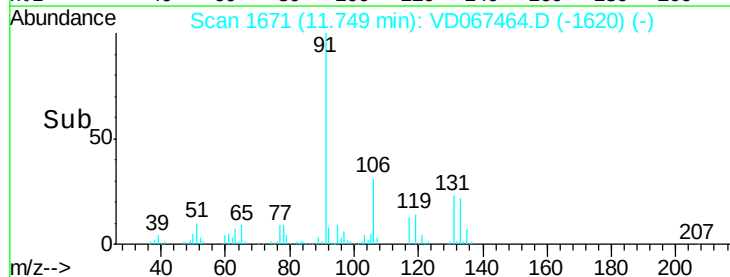
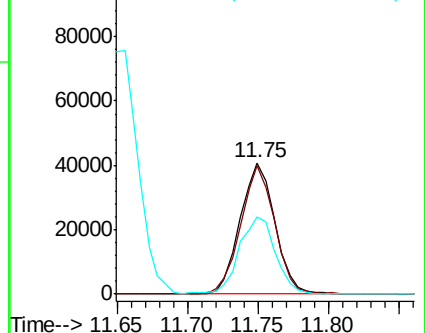
119 61.2 30.0 90.0

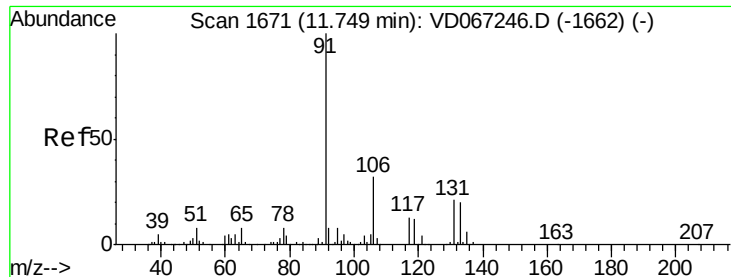


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

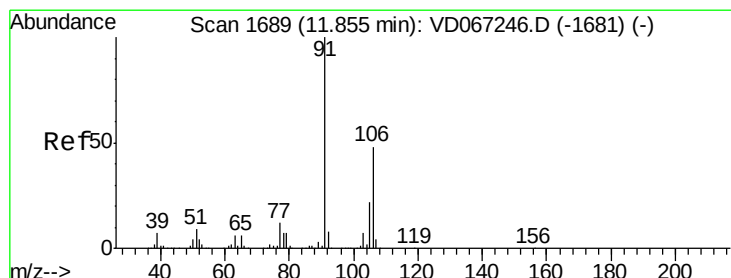
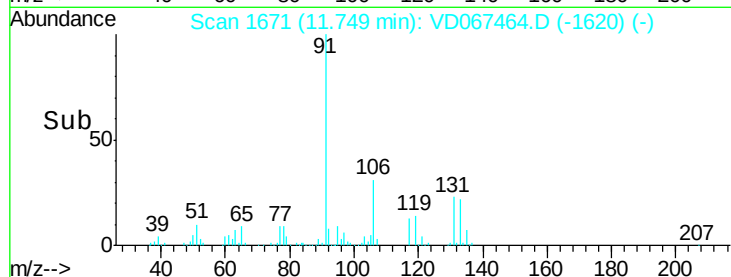
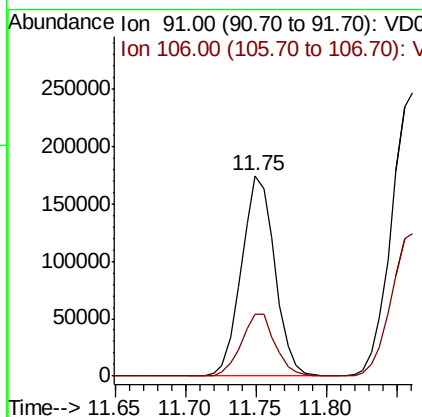
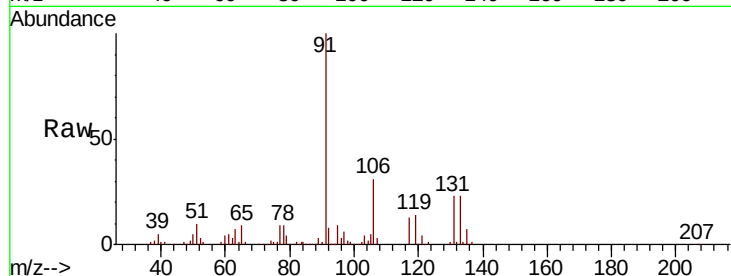




#67
Ethyl Benzene
Concen: 20.871 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

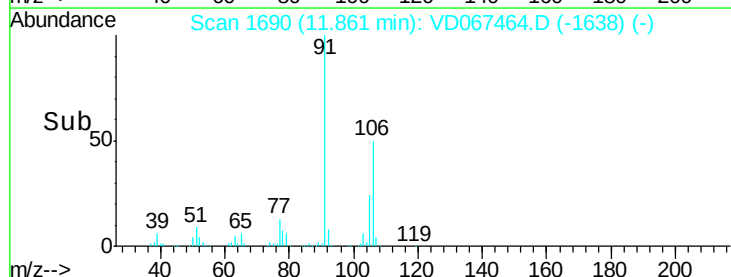
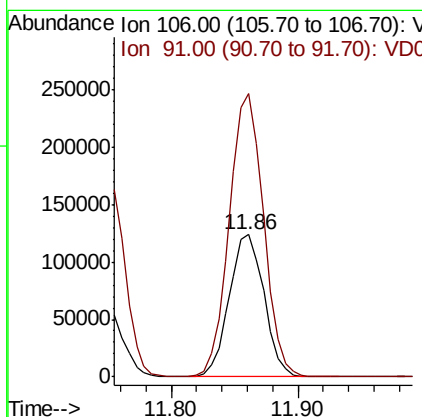
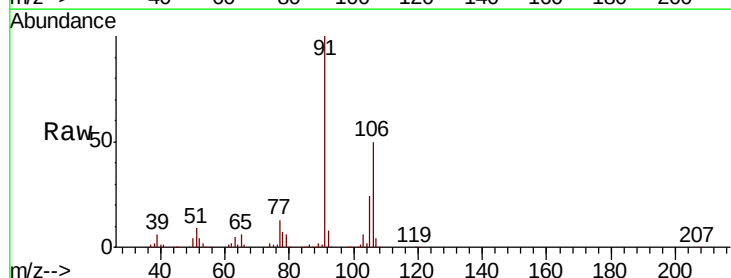
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

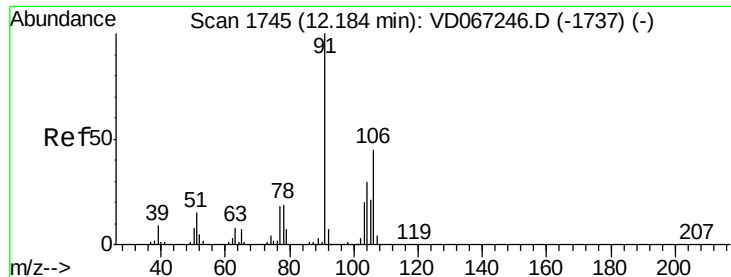
Tot Ion: 91 Resp: 288663
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.0



#68
m/p-Xylenes
Concen: 44.138 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 106 Resp: 235083
Ion Ratio Lower Upper
106 100
91 196.4 163.8 245.8

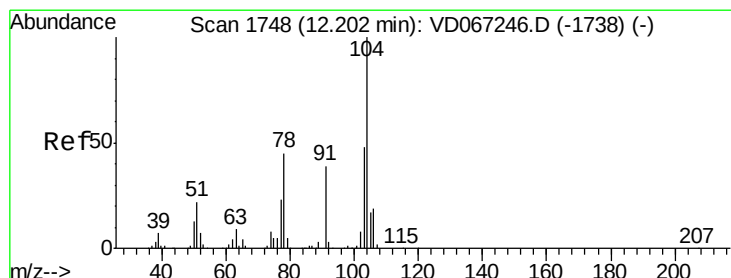
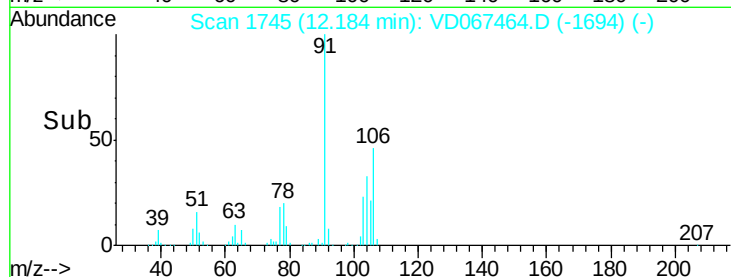
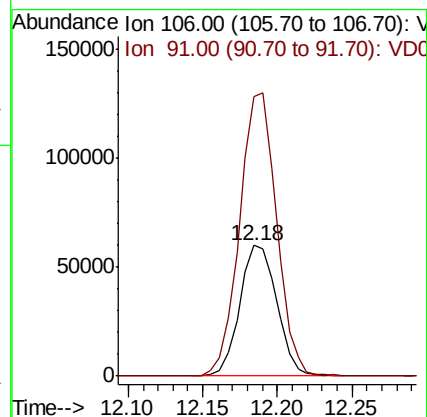
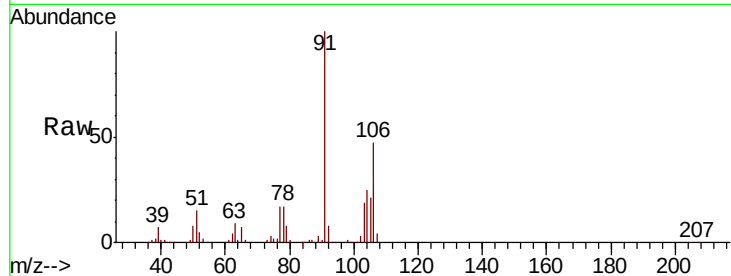




#69
o-Xylene
Concen: 20.925 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

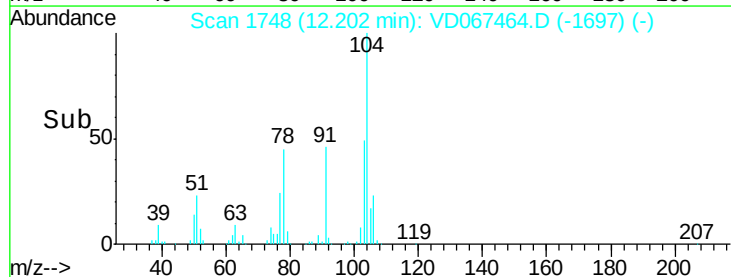
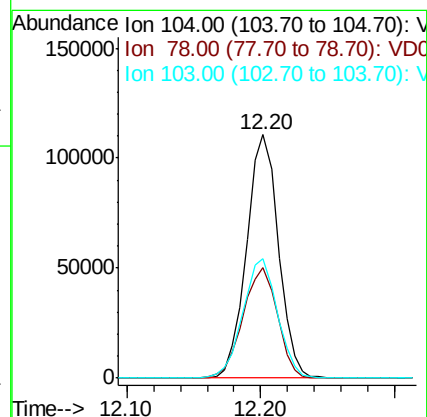
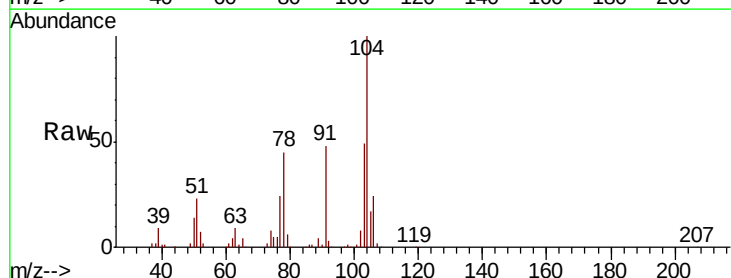
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

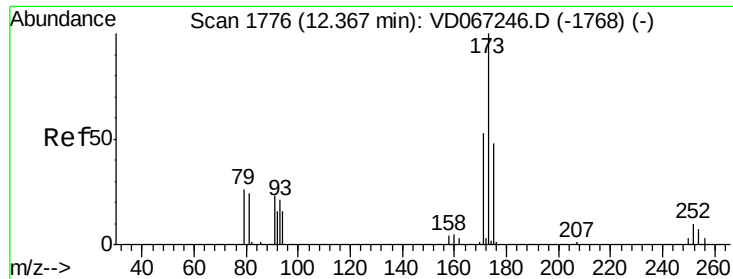
Tot Ion:106 Resp: 103204
Ion Ratio Lower Upper
106 100
91 216.9 109.1 327.3



#70
Styrene
Concen: 21.438 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion:104 Resp: 182009
Ion Ratio Lower Upper
104 100
78 49.5 39.8 59.6
103 53.6 42.6 64.0





#71

Bromoform

Concen: 20.322 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBSD01

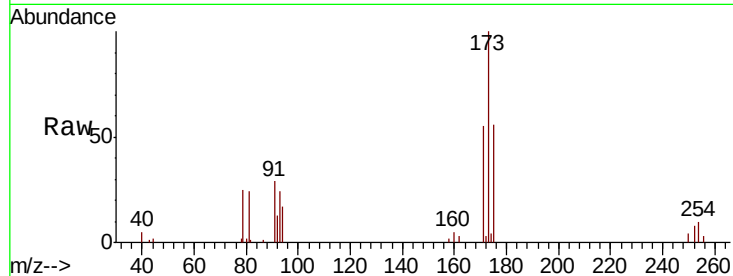
Tot Ion:173 Resp: 35010

Ion Ratio Lower Upper

173 100

175 50.1 24.2 72.6

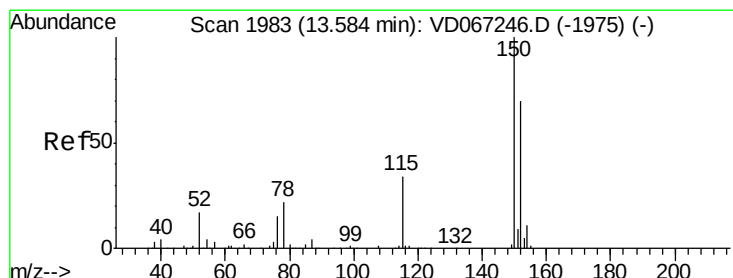
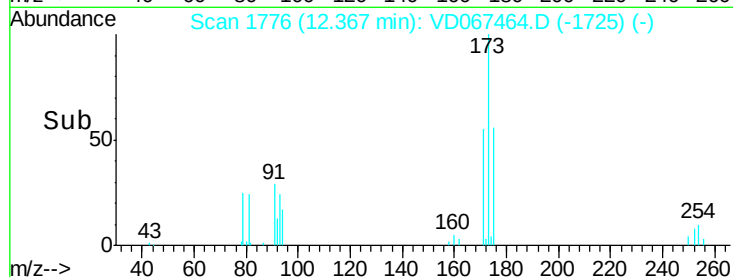
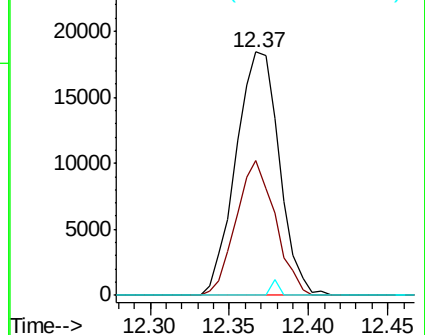
254 1.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

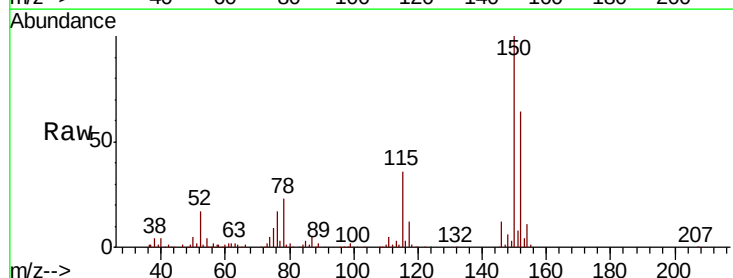
Tgt Ion:152 Resp: 212911

Ion Ratio Lower Upper

152 100

115 57.6 29.3 87.9

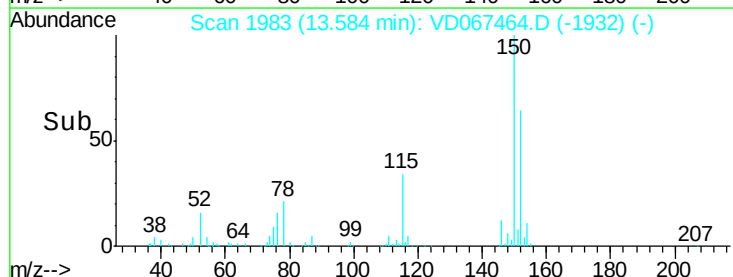
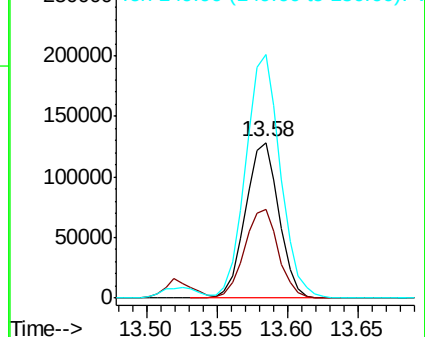
150 162.2 0.0 339.0

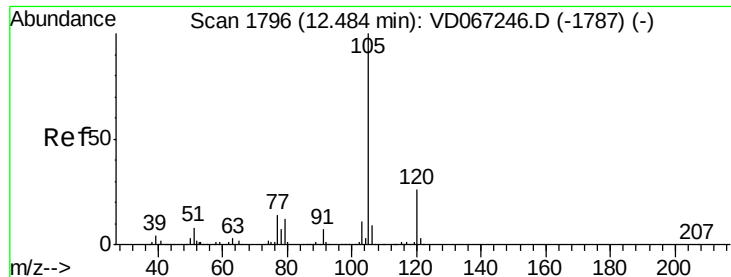


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.719 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

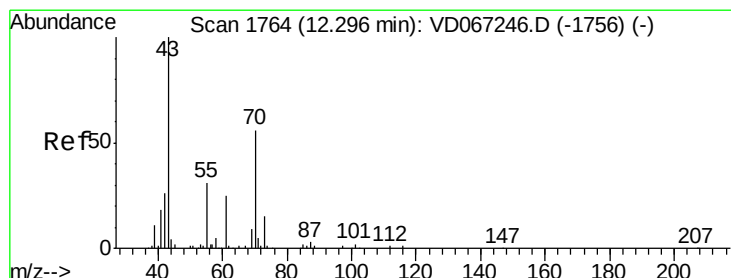
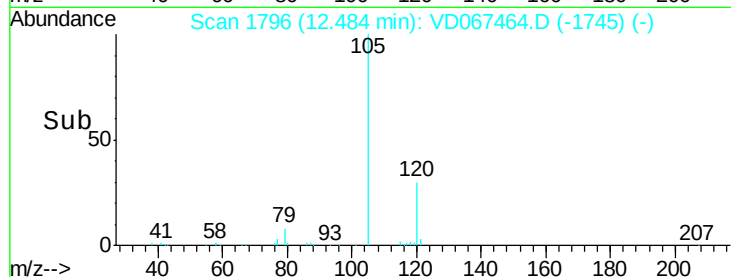
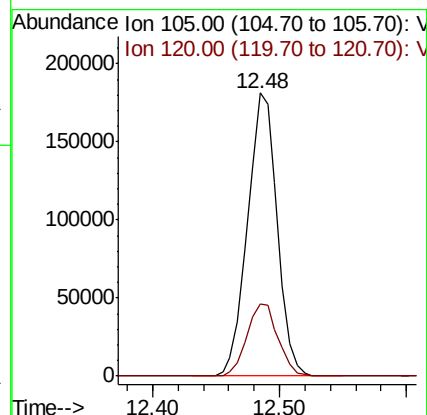
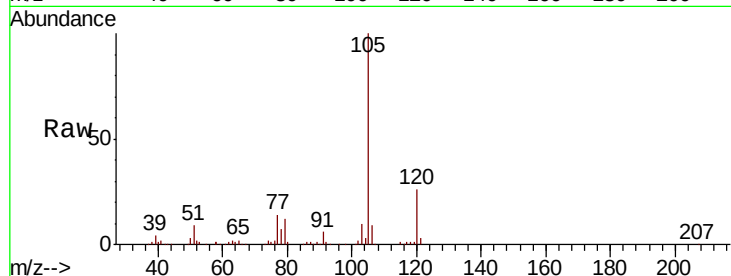
VD1030SBSD01

Tot Ion:105 Resp: 293485

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 19.892 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Tgt Ion: 43 Resp: 40597

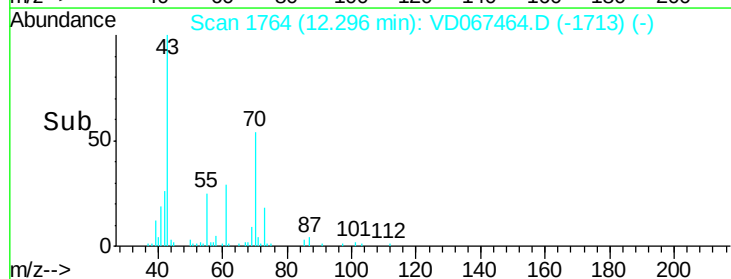
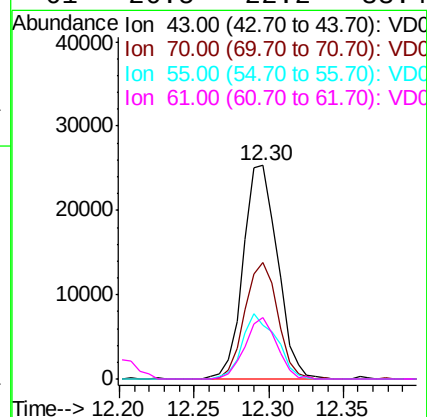
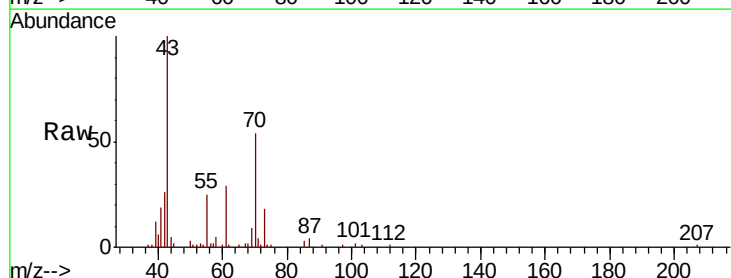
Ion Ratio Lower Upper

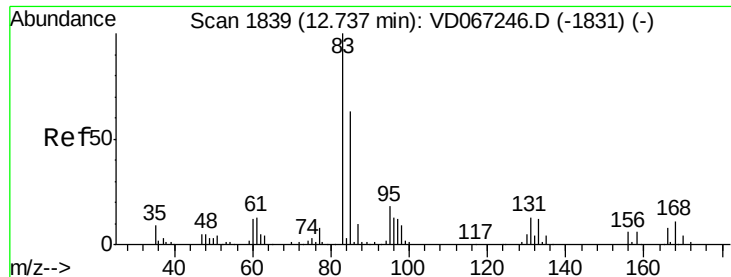
43 100

70 51.9 42.7 64.1

55 30.2 24.0 36.0

61 26.5 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.593 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBSD01

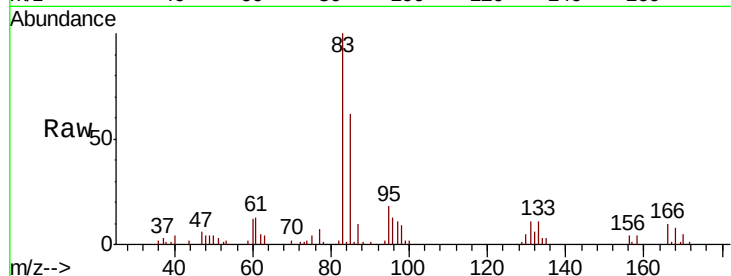
Tot Ion: 83 Resp: 42637

Ion Ratio Lower Upper

83 100

131 13.2 6.5 19.5

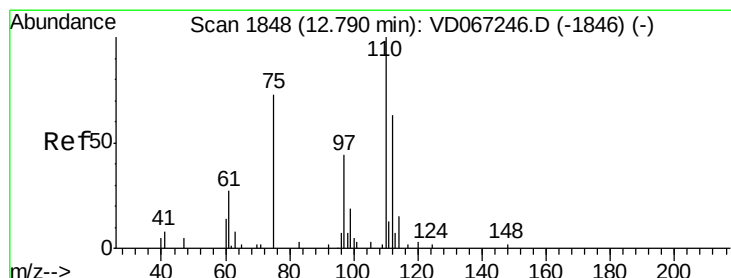
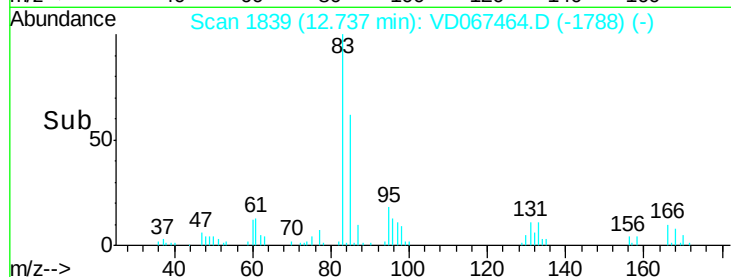
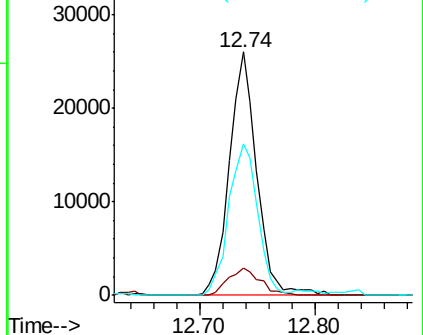
85 65.9 32.6 97.7



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: 38.061 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067464.D

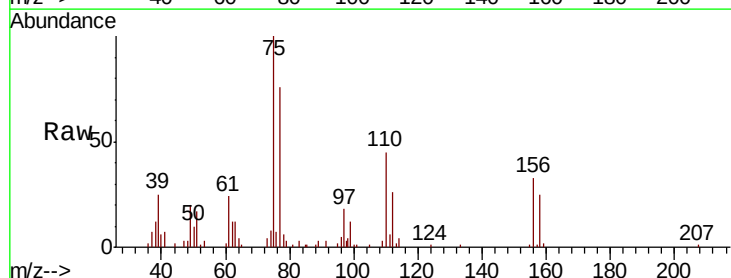
Acq: 30 Oct 2020 11:11

Tgt Ion: 75 Resp: 56165

Ion Ratio Lower Upper

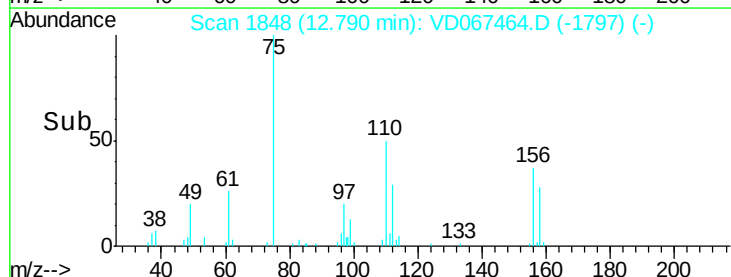
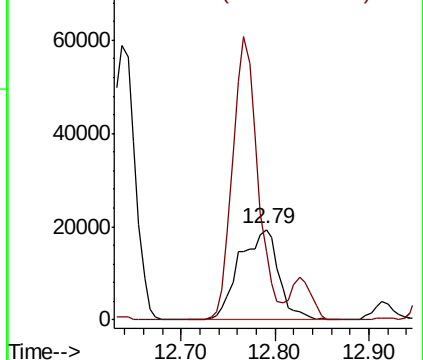
75 100

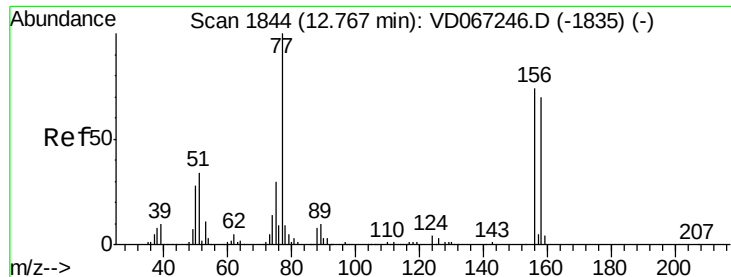
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.607 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBSD01

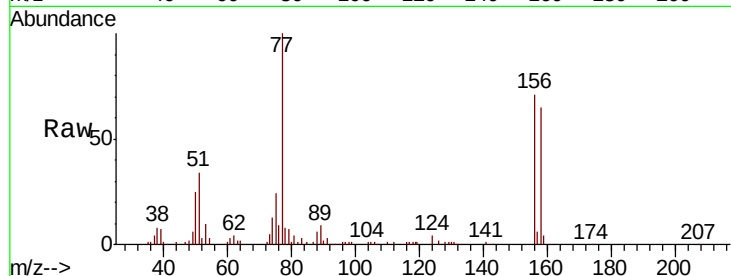
Tot Ion:156 Resp: 72790

Ion Ratio Lower Upper

156 100

77 156.5 78.0 233.8

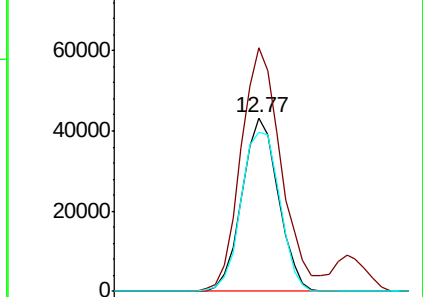
158 97.5 49.1 147.3



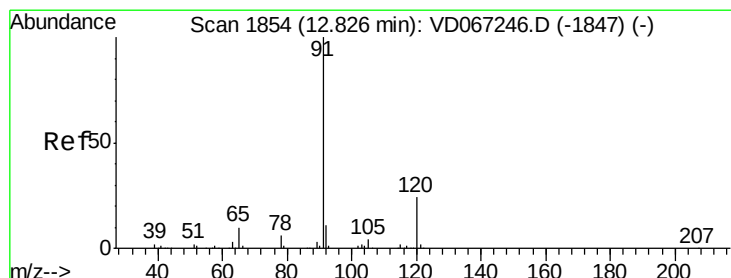
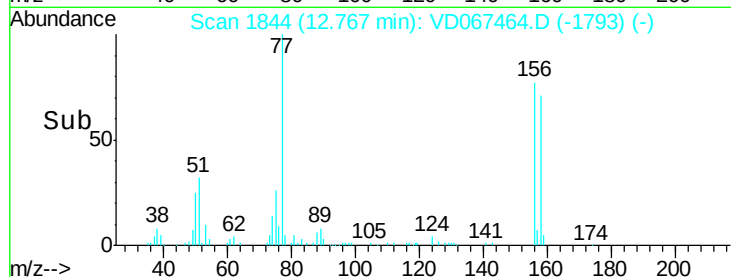
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 21.976 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067464.D

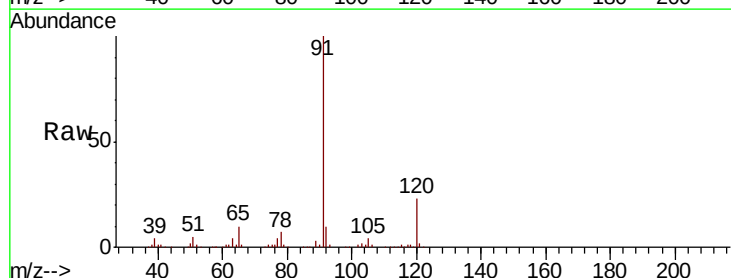
Acq: 30 Oct 2020 11:11

Tgt Ion: 91 Resp: 344060

Ion Ratio Lower Upper

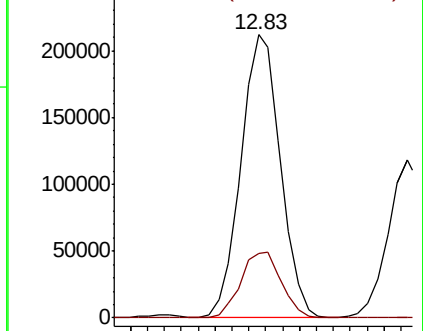
91 100

120 24.0 11.9 35.9

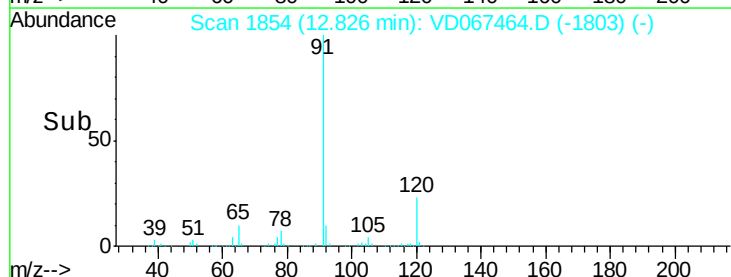


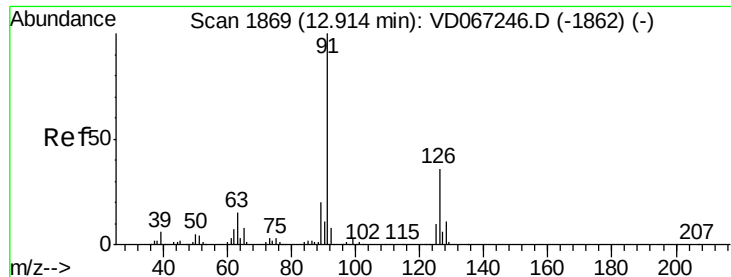
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->

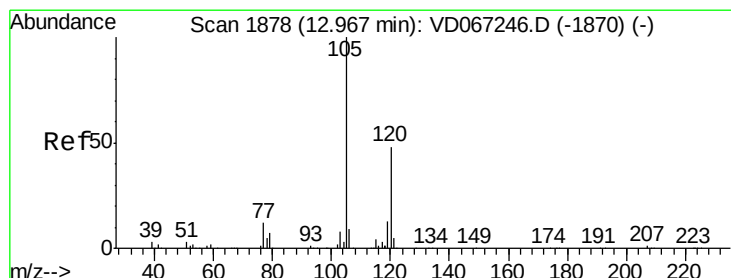
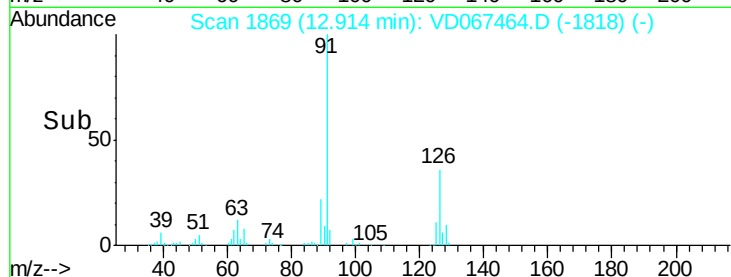
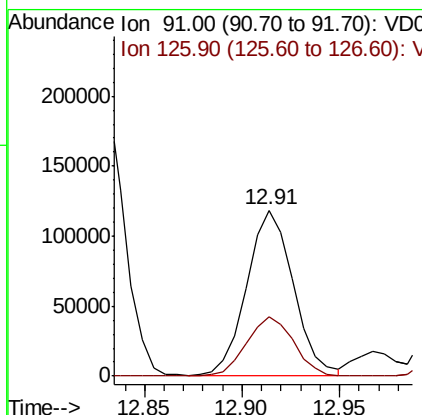
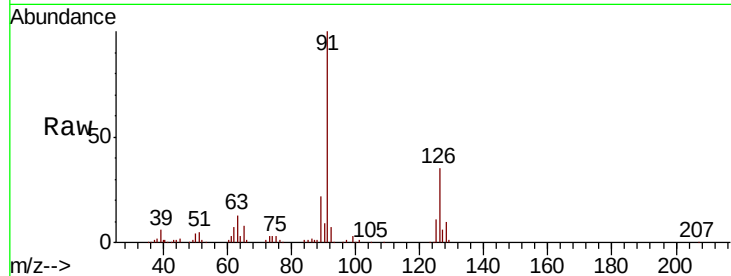




#79
 2-Chlorotoluene
 Concen: 21.644 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

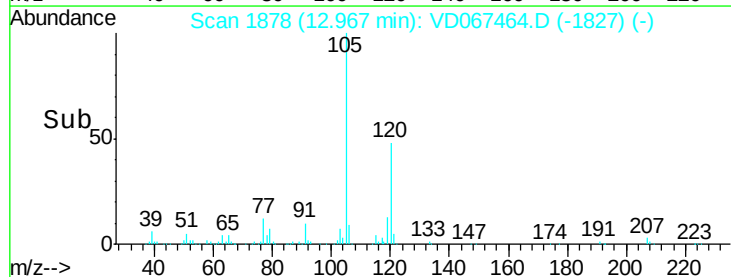
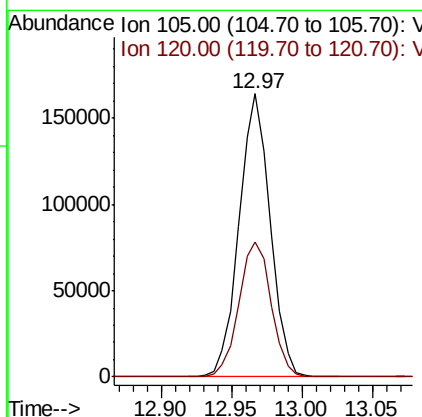
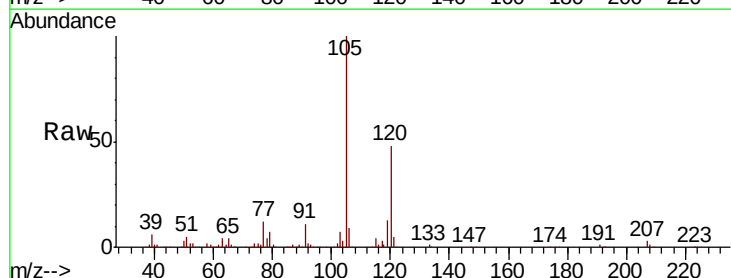
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

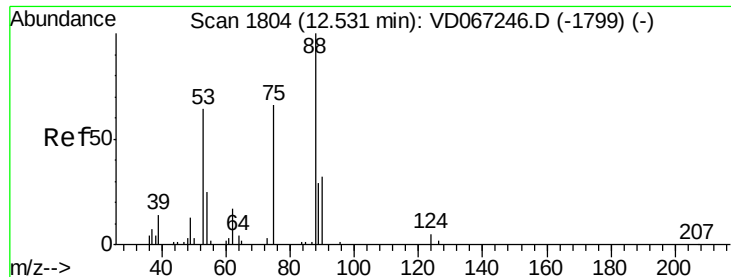
Tot Ion: 91 Resp: 196511
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.524 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 105 Resp: 252746
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.3 72.8

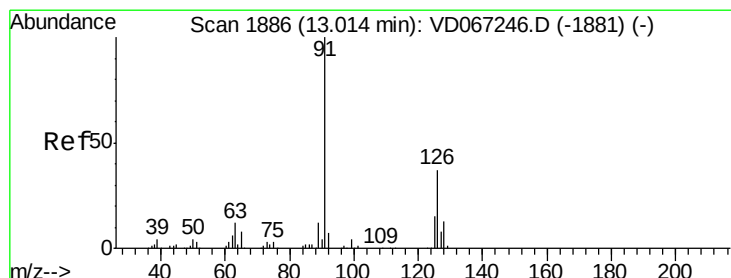
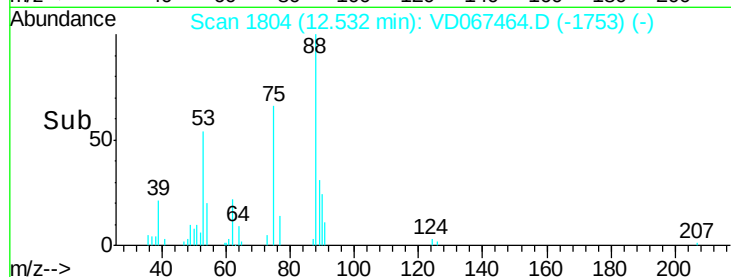
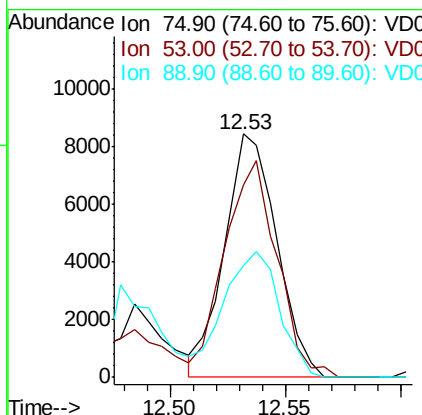
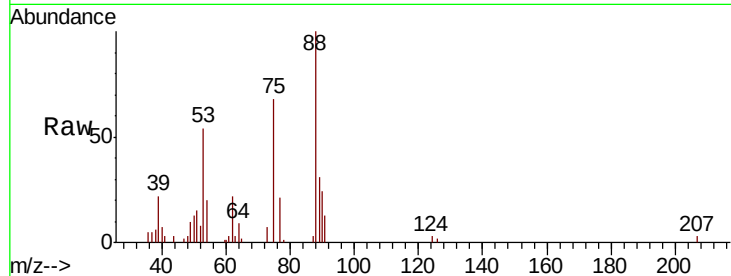




#81
trans-1,4-Dichloro-2-butene
Concen: 20.386 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

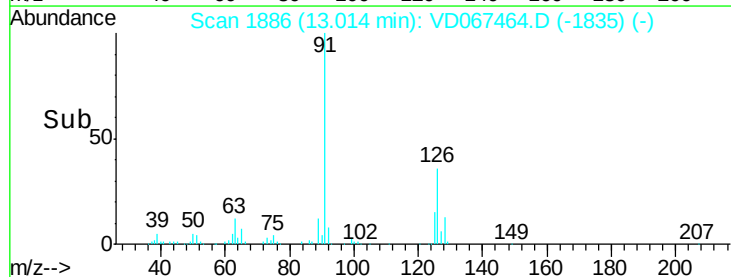
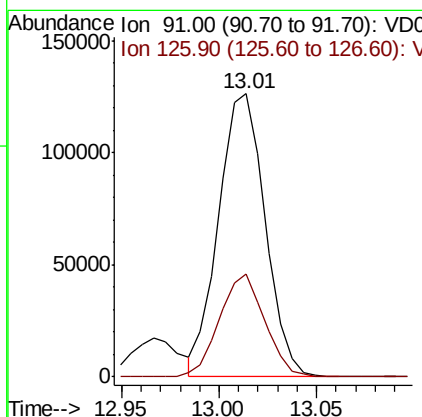
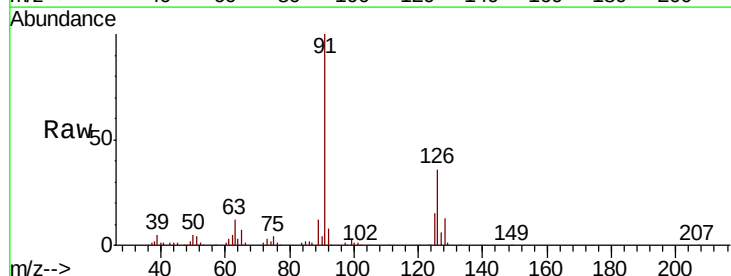
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

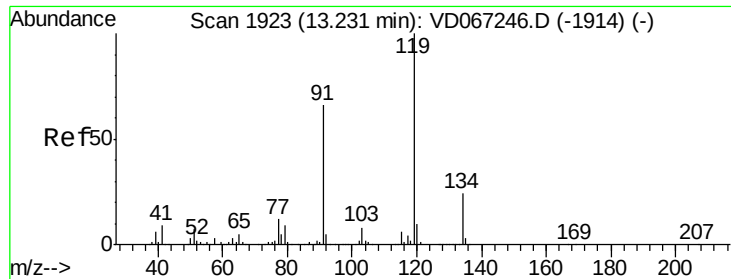
Tot Ion: 75 Resp: 13266
Ion Ratio Lower Upper
75 100
53 89.6 78.5 117.7
89 55.4 39.9 59.9



#82
4-Chlorotoluene
Concen: 21.645 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 91 Resp: 208577
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.5

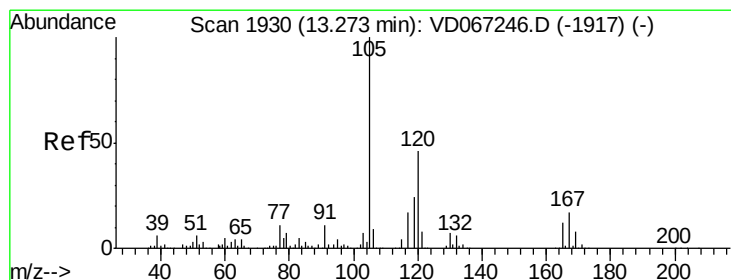
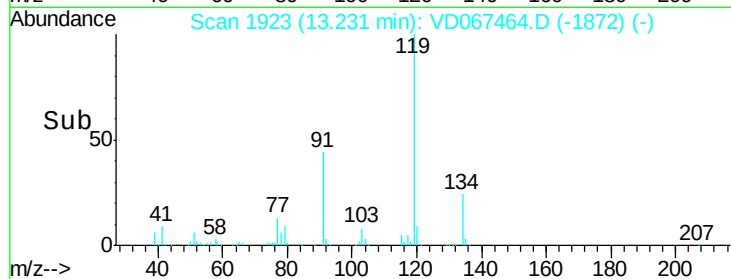
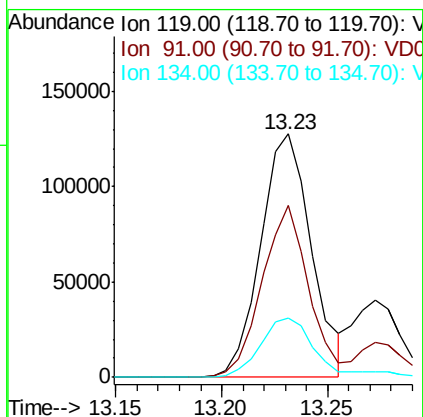
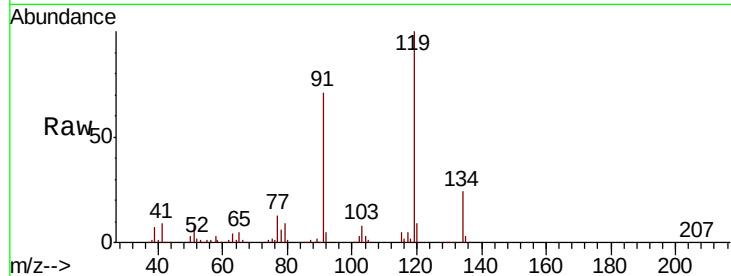




#83
tert-Butylbenzene
Concen: 21.480 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

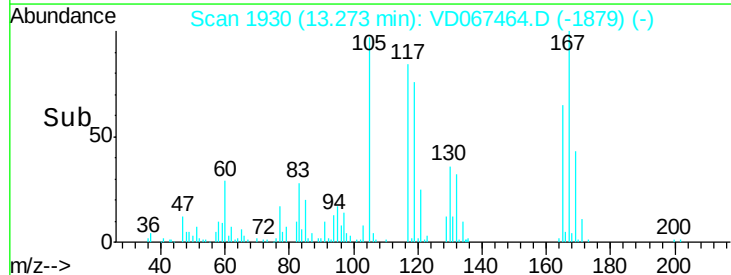
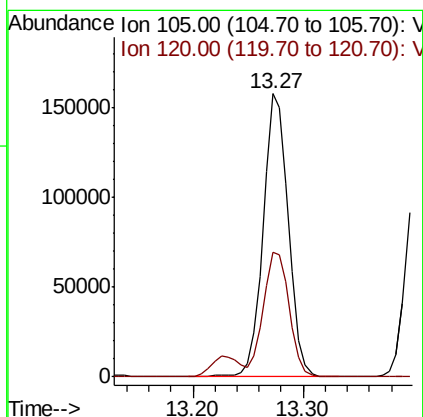
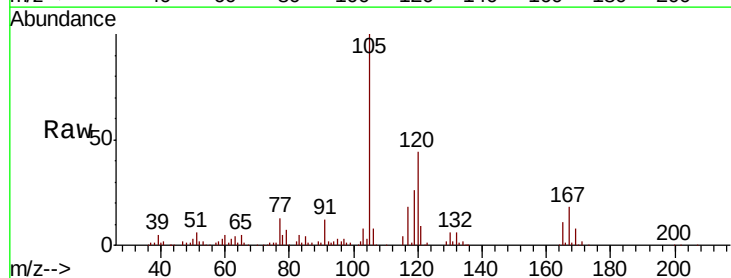
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

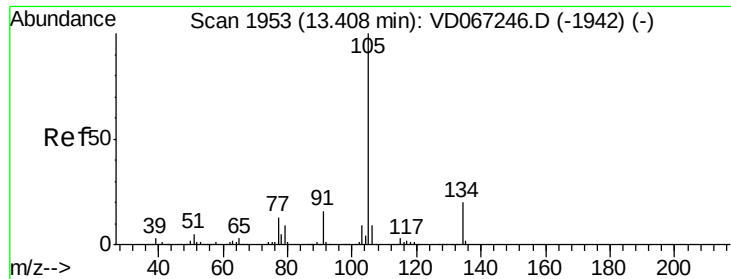
Tot Ion:119 Resp: 213063
Ion Ratio Lower Upper
119 100
91 64.6 33.1 99.2
134 26.9 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 21.728 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion:105 Resp: 252175
Ion Ratio Lower Upper
105 100
120 45.3 22.4 67.3





#85

sec-Butylbenzene

Concen: 21.554 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

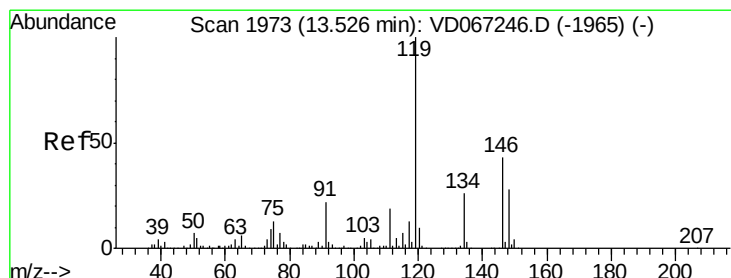
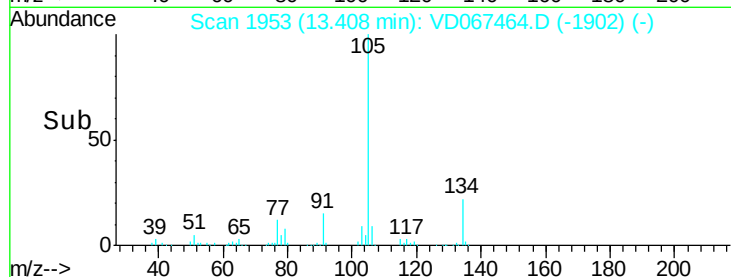
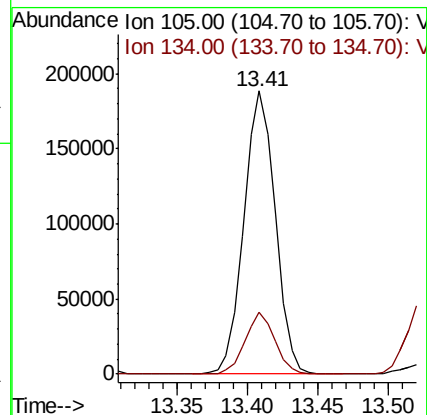
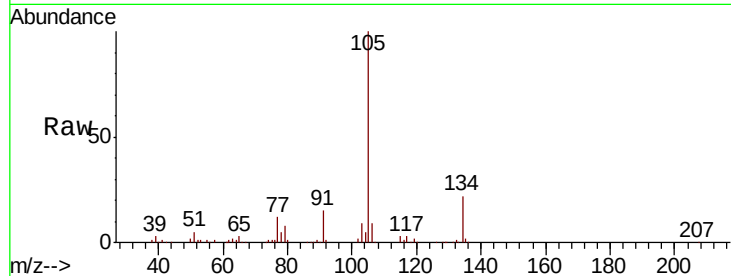
VD1030SBS01

Tot Ion:105 Resp: 293354

Ion Ratio Lower Upper

105 100

134 20.9 10.5 31.5



#86

p-Isopropyltoluene

Concen: 21.790 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

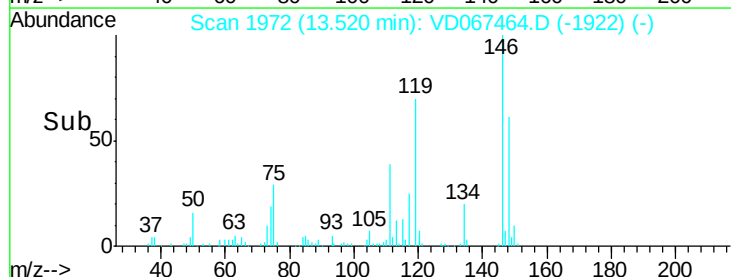
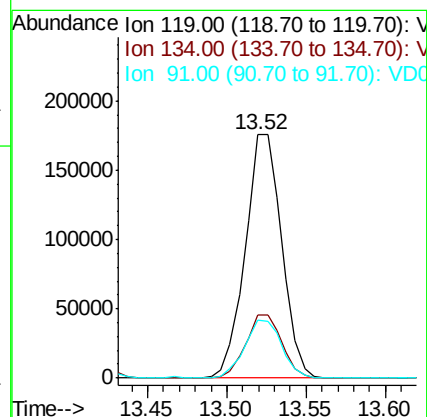
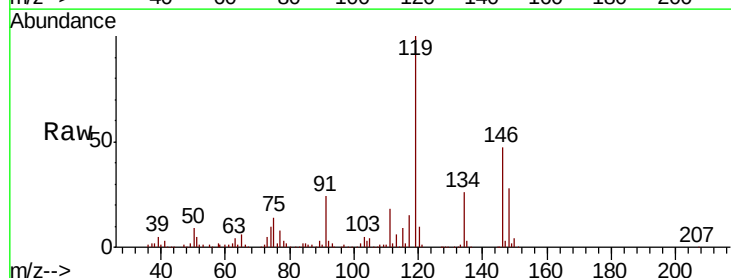
Tgt Ion:119 Resp: 279928

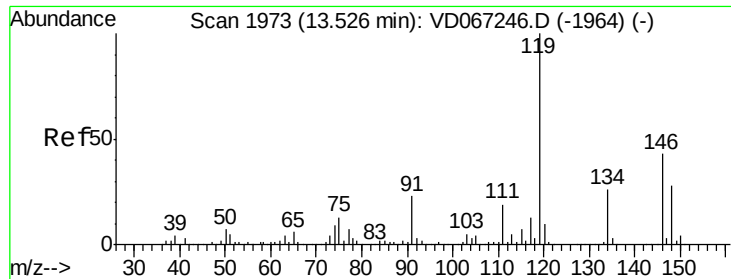
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.1 11.9 35.9

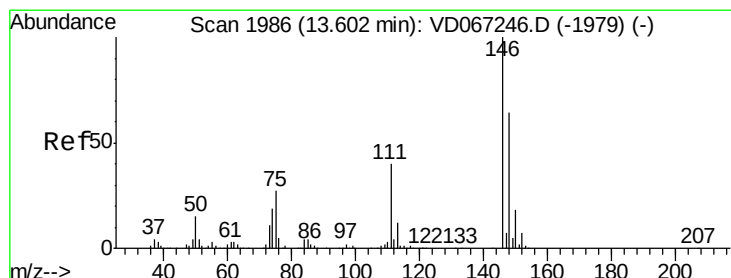
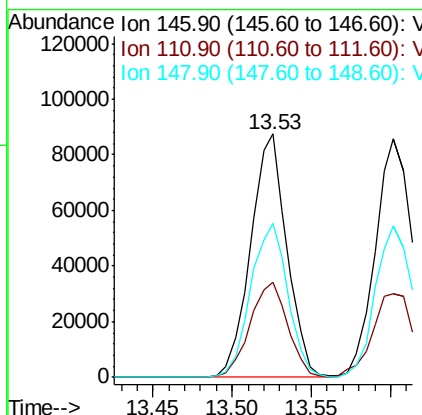
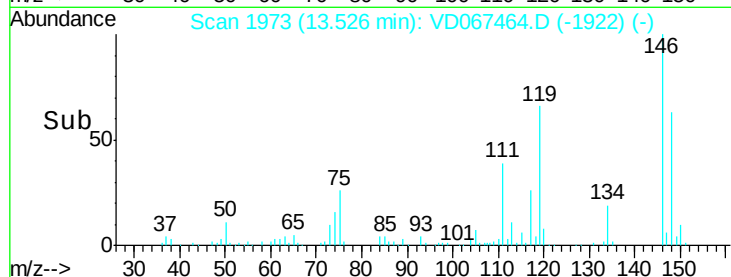
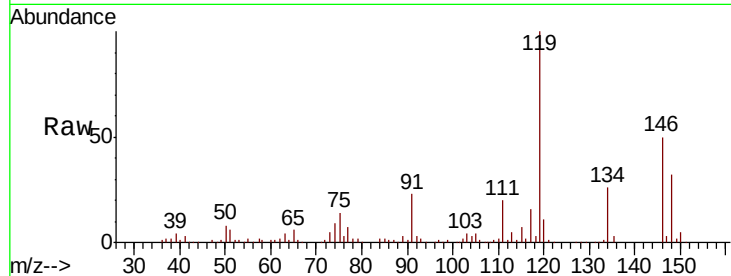




#87
 1,3-Dichlorobenzene
 Concen: 21.466 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

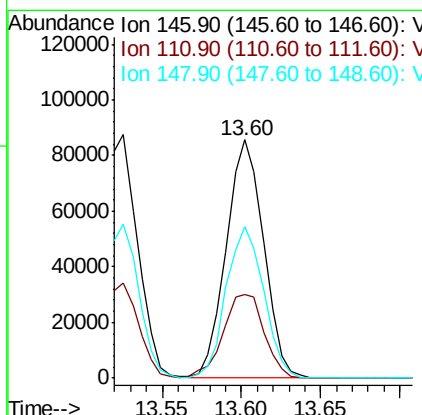
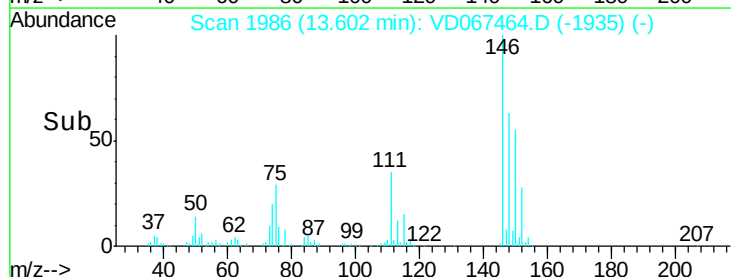
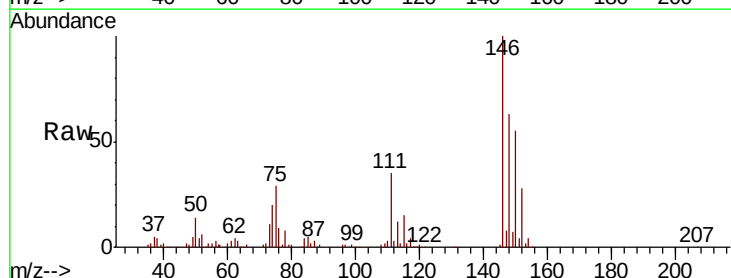
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

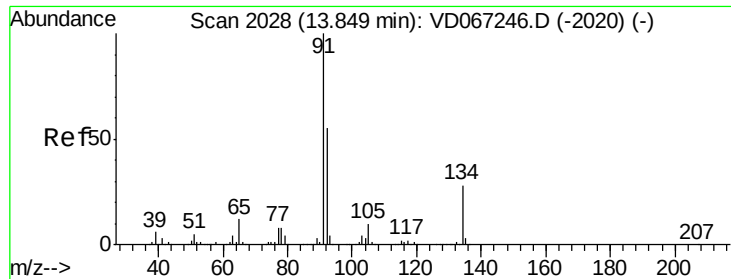
Tot Ion:146 Resp: 139191
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.3
 148 64.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.856 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion:146 Resp: 140409
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.9 59.7
 148 63.5 31.9 95.9

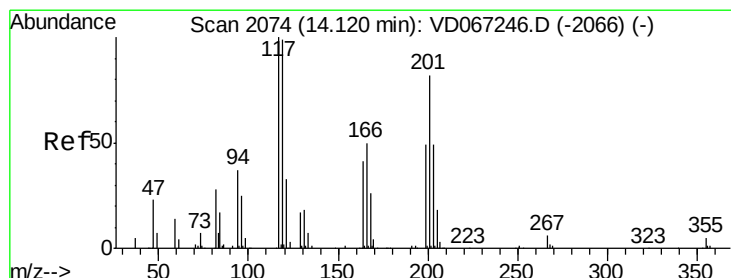
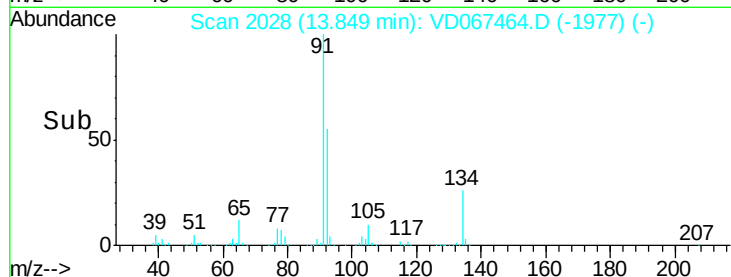
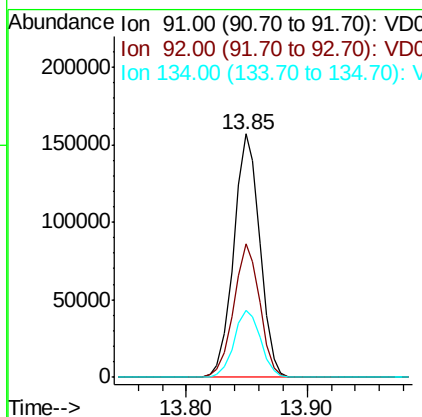
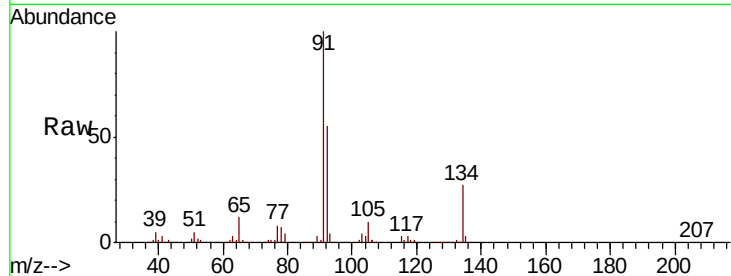




#89
n-Butylbenzene
Concen: 20.890 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

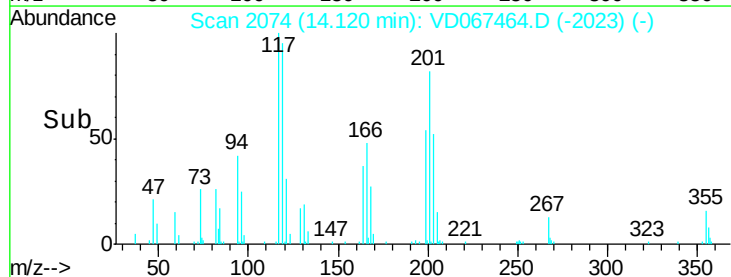
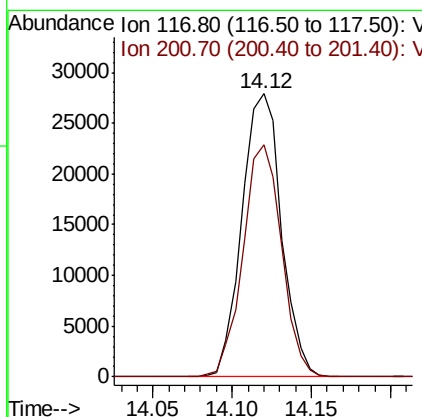
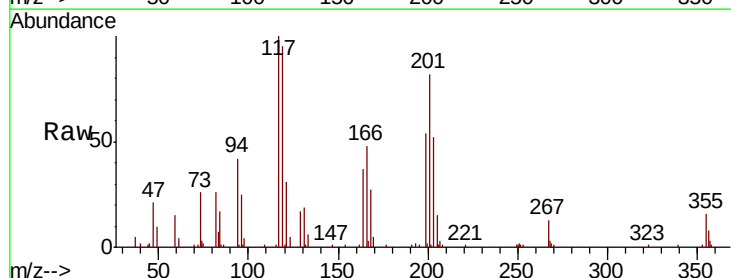
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

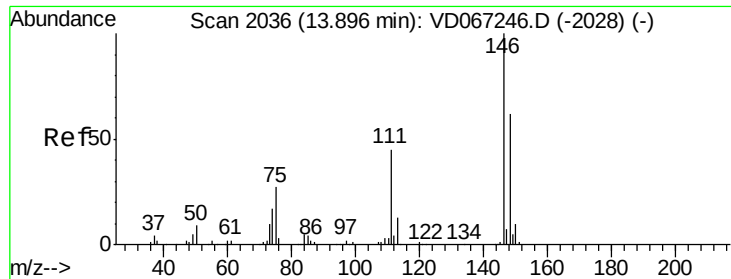
Tot Ion: 91 Resp: 236092
Ion Ratio Lower Upper
91 100
92 54.5 26.7 80.0
134 28.0 14.2 42.6



#90
Hexachloroethane
Concen: 21.539 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 117 Resp: 48286
Ion Ratio Lower Upper
117 100
201 80.3 40.8 122.2

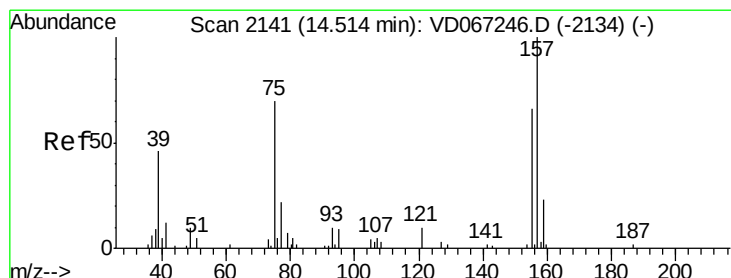
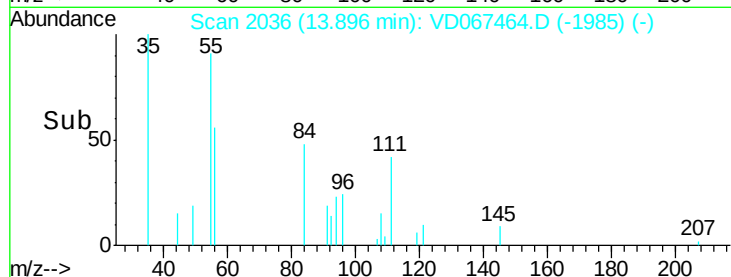
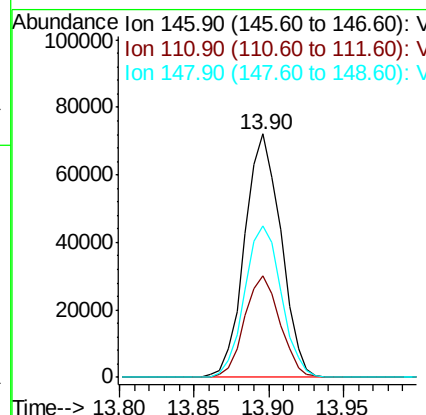
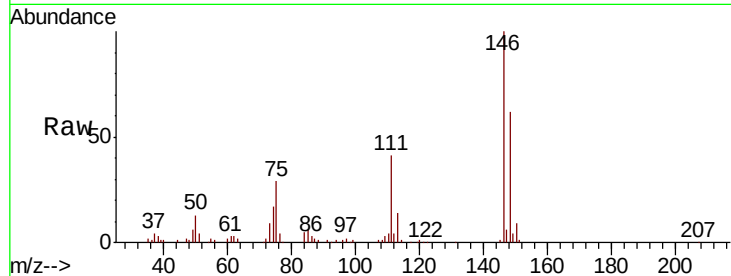




#91
 1,2-Dichlorobenzene
 Concen: 21.436 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

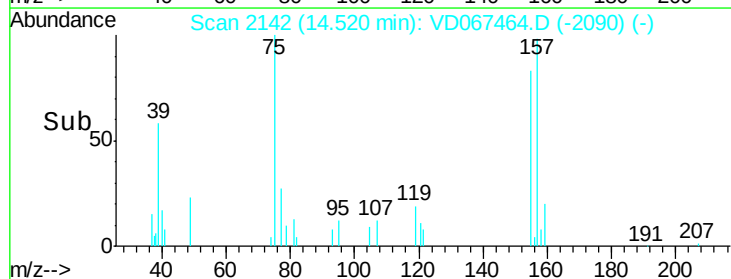
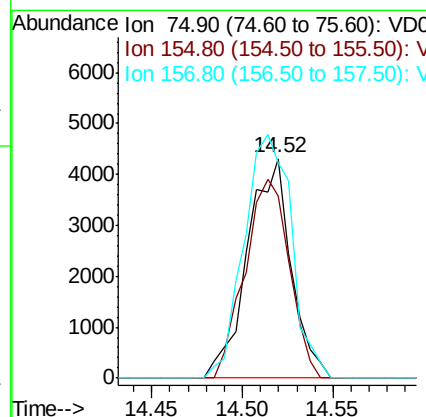
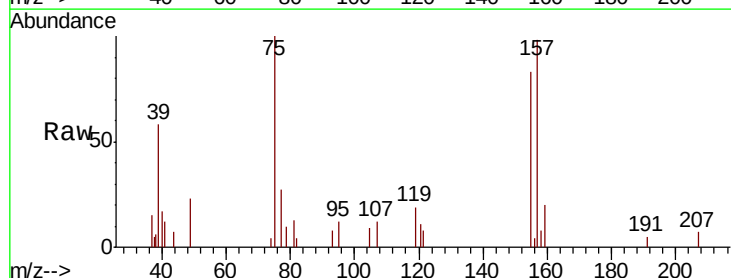
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

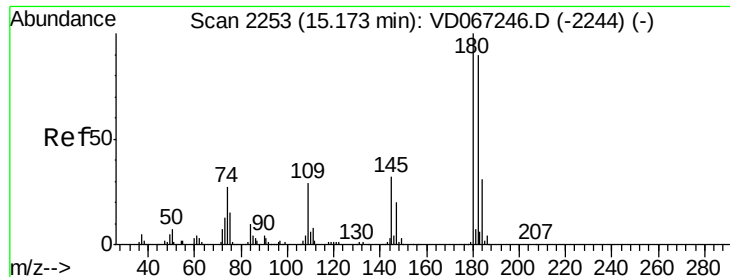
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	22.0	66.0
148	62.9	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.251 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	44.8	134.4
157	120.3	62.5	187.4

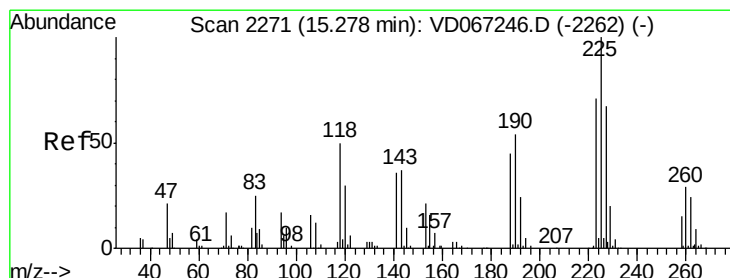
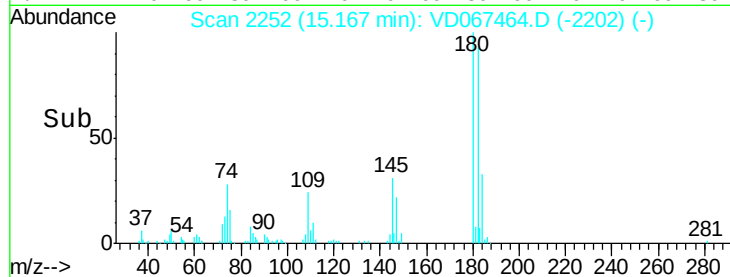
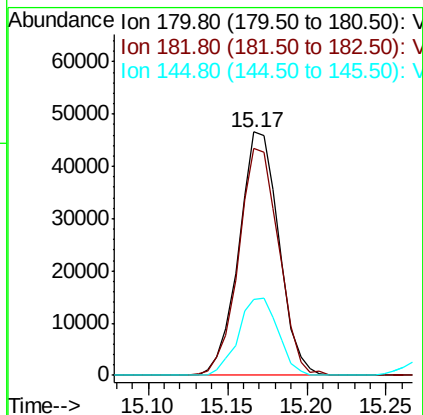
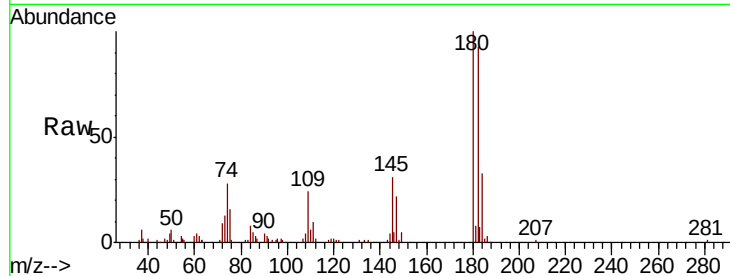




#93
 1,2,4-Trichlorobenzene
 Concen: 21.350 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

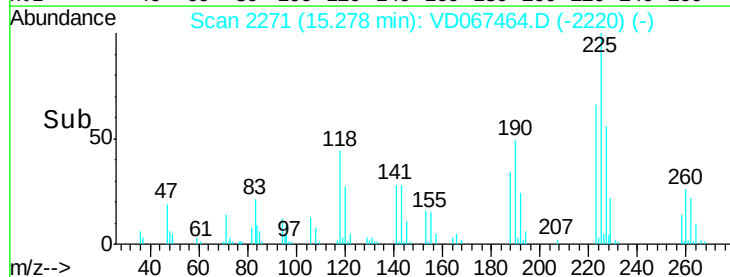
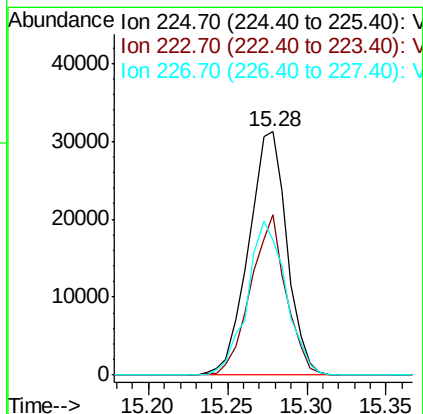
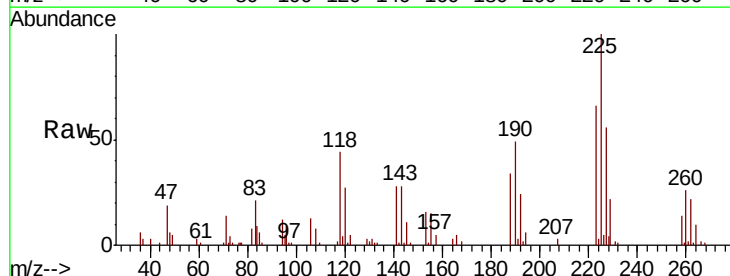
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

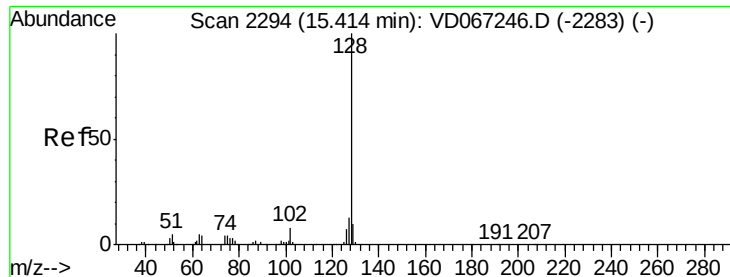
Tot Ion:180 Resp: 81542
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.1 144.4
 145 31.6 16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 22.184 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion:225 Resp: 52613
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.9 95.7
 227 63.3 31.2 93.6

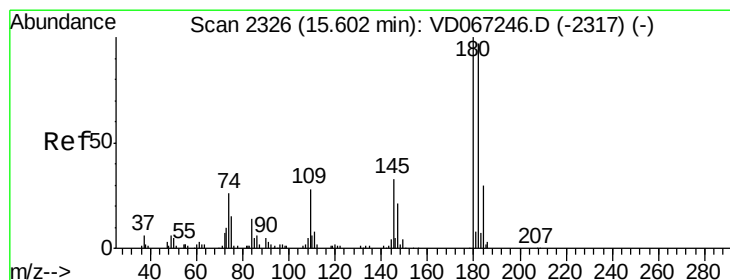
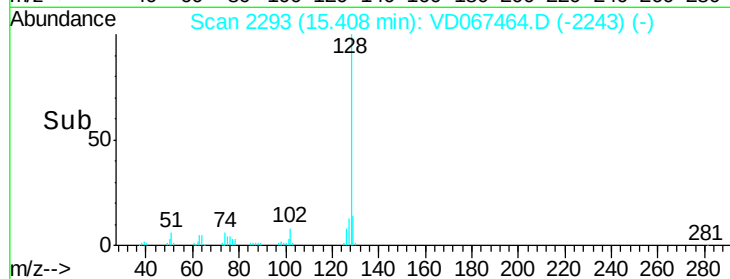
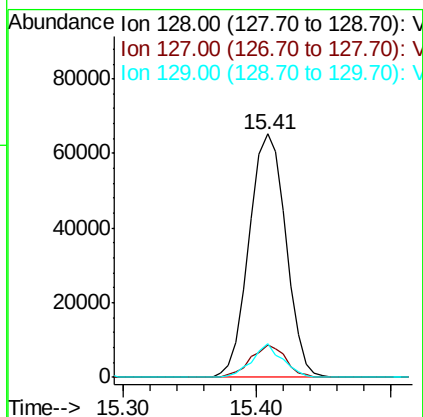
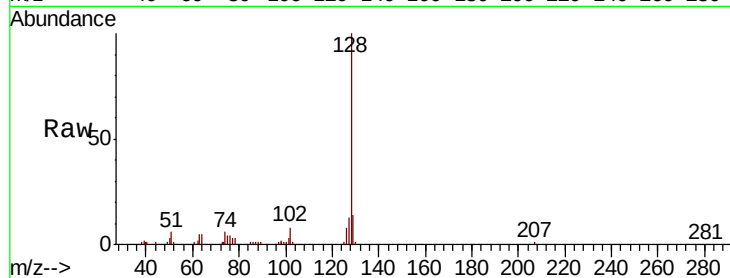




#95
Naphthalene
Concen: 19.778 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tot Ion:128 Resp: 124021
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 11.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.777 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion:180 Resp: 68554
Ion Ratio Lower Upper
180 100
182 96.1 48.1 144.3
145 34.2 17.3 51.9

