

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066333.D
 Acq On : 20 Aug 2020 00:04
 Operator : VA/SY
 Sample : VD0819SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Quant Time: Aug 20 07:20:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	201242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	300835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	279214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144894	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	104677	58.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.60%	
35) Dibromofluoromethane	7.91	113	101804	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	10.34	98	359790	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.63	95	132063	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	37433	21.113	ug/l 95
3) Chloromethane	2.21	50	29284	21.232	ug/l 95
4) Vinyl Chloride	2.34	62	26287	21.528	ug/l 93
5) Bromomethane	2.76	94	21104	26.051	ug/l 95
6) Chloroethane	2.92	64	17300	23.081	ug/l 94
7) Trichlorofluoromethane	3.27	101	70110	22.024	ug/l 95
8) Diethyl Ether	3.70	74	19138	21.306	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	39320	20.813	ug/l 98
10) Methyl Iodide	4.30	142	40811	27.254	ug/l 96
11) Tert butyl alcohol	5.21	59	16395	99.410	ug/l # 76
12) 1,1-Dichloroethene	4.06	96	35421	19.875	ug/l 94
13) Acrolein	3.92	56	7341	51.368	ug/l 98
14) Allyl chloride	4.71	41	52826	19.565	ug/l 90
15) Acrylonitrile	5.43	53	39454	104.235	ug/l 98
16) Acetone	4.16	43	32361	94.995	ug/l 89
17) Carbon Disulfide	4.41	76	106812	18.849	ug/l 96
18) Methyl Acetate	4.71	43	19026	21.988	ug/l 97
19) Methyl tert-butyl Ether	5.47	73	90180	22.076	ug/l 96
20) Methylene Chloride	4.97	84	69687	34.141	ug/l 95
21) trans-1,2-Dichloroethene	5.48	96	42957	20.982	ug/l 92
22) Diisopropyl ether	6.37	45	108491	20.319	ug/l 92
23) Vinyl Acetate	6.31	43	310034	99.116	ug/l 96
24) 1,1-Dichloroethane	6.27	63	72561	21.959	ug/l 99
25) 2-Butanone	7.21	43	46726	93.256	ug/l 98
26) 2,2-Dichloropropane	7.20	77	64327	21.721	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	47711	22.218	ug/l 98
28) Bromochloromethane	7.55	49	26260	22.627	ug/l 91
29) Tetrahydrofuran	7.56	42	29085	93.692	ug/l 94
30) Chloroform	7.70	83	79387	22.880	ug/l 96
31) Cyclohexane	7.98	56	55579	17.670	ug/l 96
32) 1,1,1-Trichloroethane	7.90	97	74900	23.024	ug/l 99
36) 1,1-Dichloropropene	8.10	75	57755	20.430	ug/l 99
37) Ethyl Acetate	7.28	43	22930	20.472	ug/l 95
38) Carbon Tetrachloride	8.09	117	69570	22.068	ug/l 94

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	62512	18.293	ug/l	97
40) Benzene	8.35	78	163656	20.869	ug/l	98
41) Methacrylonitrile	7.51	41	10721	16.279	ug/l #	81
42) 1,2-Dichloroethane	8.42	62	55678	24.168	ug/l	97
43) Isopropyl Acetate	8.45	43	42459	19.239	ug/l	96
44) Trichloroethene	9.10	130	50600	21.412	ug/l	96
45) 1,2-Dichloropropane	9.38	63	38768	20.213	ug/l	99
46) Dibromomethane	9.47	93	24036	22.751	ug/l	95
47) Bromodichloromethane	9.66	83	62661	22.441	ug/l	92
48) Methyl methacrylate	9.45	41	20814	18.471	ug/l #	77
49) 1,4-Dioxane	9.46	88	5051	372.135	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	109768	96.833	ug/l	98
52) Toluene	10.40	92	111874	21.680	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	57574	21.727	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	63331	20.399	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	32527	21.381	ug/l	93
56) Ethyl methacrylate	10.66	69	38698	21.176	ug/l	97
57) 1,3-Dichloropropane	10.95	76	50875	20.144	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	90342	109.901	ug/l	97
59) 2-Hexanone	10.98	43	74497	93.640	ug/l	96
60) Dibromochloromethane	11.14	129	46439	22.111	ug/l	100
61) 1,2-Dibromoethane	11.24	107	31514	21.540	ug/l	98
64) Tetrachloroethene	10.87	164	44905	20.944	ug/l	95
65) Chlorobenzene	11.67	112	120108	21.190	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	49924	22.511	ug/l	95
67) Ethyl Benzene	11.74	91	207051	21.080	ug/l	99
68) m/p-Xylenes	11.85	106	160399	42.148	ug/l	93
69) o-Xylene	12.18	106	76760	22.173	ug/l	99
70) Styrene	12.20	104	132712	21.875	ug/l	98
71) Bromoform	12.36	173	28814	21.929	ug/l #	100
73) Isopropylbenzene	12.48	105	205639	21.261	ug/l	98
74) N-amyl acetate	12.29	43	40285	18.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	32782	19.877	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	45503	37.658	ug/l #	100
77) Bromobenzene	12.76	156	54905	22.052	ug/l	96
78) n-propylbenzene	12.82	91	240594	21.399	ug/l	98
79) 2-Chlorotoluene	12.91	91	138168	21.487	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	176120	21.773	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10987	20.100	ug/l	90
82) 4-Chlorotoluene	13.01	91	144926	21.350	ug/l	100
83) tert-Butylbenzene	13.23	119	153932	21.639	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	179637	22.191	ug/l	98
85) sec-Butylbenzene	13.40	105	200921	20.920	ug/l	97
86) p-Isopropyltoluene	13.52	119	192294	21.347	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	100207	21.414	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	98200	21.043	ug/l	98
89) n-Butylbenzene	13.84	91	165852	20.550	ug/l	99
90) Hexachloroethane	14.11	117	38483	21.420	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	88311	21.340	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6236	22.000	ug/l	98

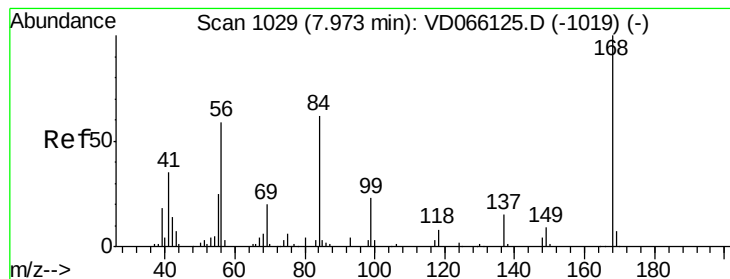
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	62930	20.635	ug/l	98
94) Hexachlorobutadiene	15.27	225	39269	21.866	ug/l	95
95) Naphthalene	15.41	128	100489	20.222	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	55508	20.618	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

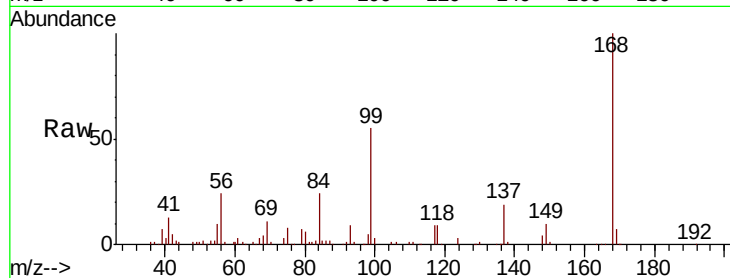
VD0819SBS02

Tot Ion:168 Resp: 201242

Ion Ratio Lower Upper

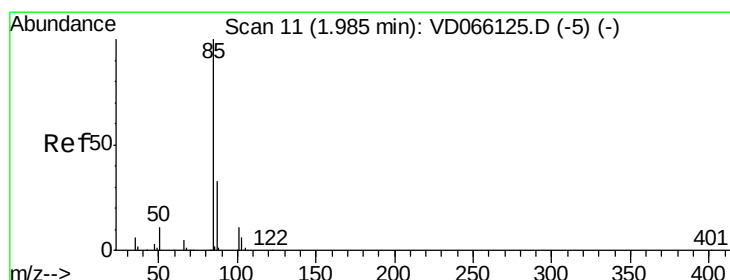
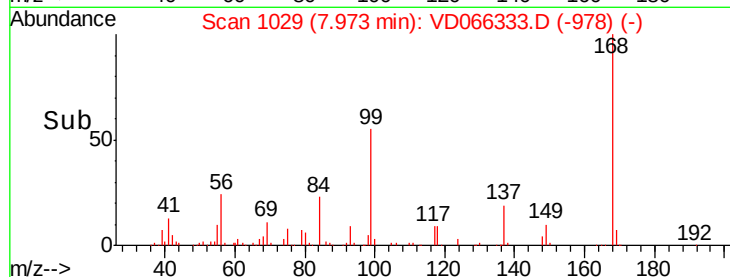
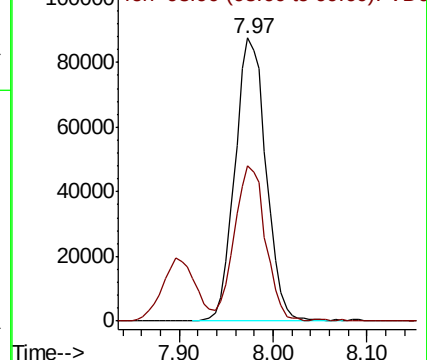
168 100

99 54.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.113 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066333.D

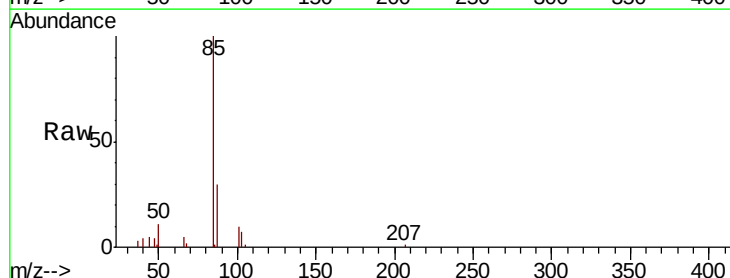
Acq: 20 Aug 2020 00:04

Tgt Ion: 85 Resp: 37433

Ion Ratio Lower Upper

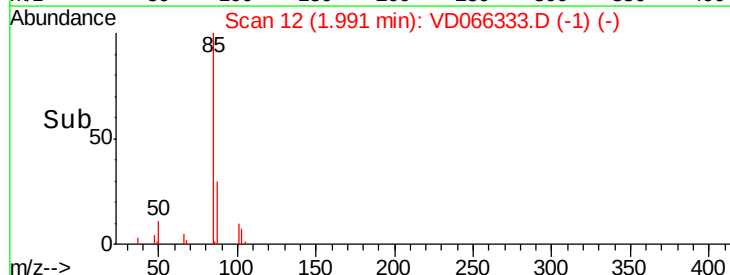
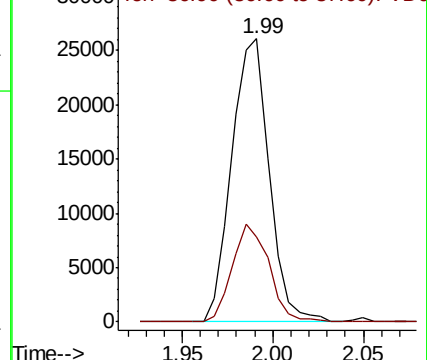
85 100

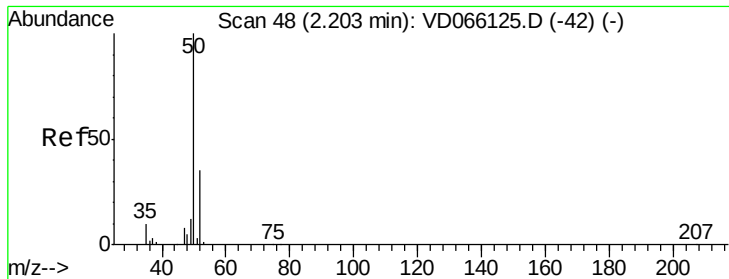
87 29.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.232 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

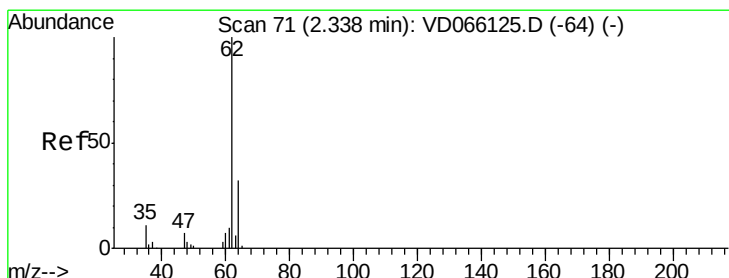
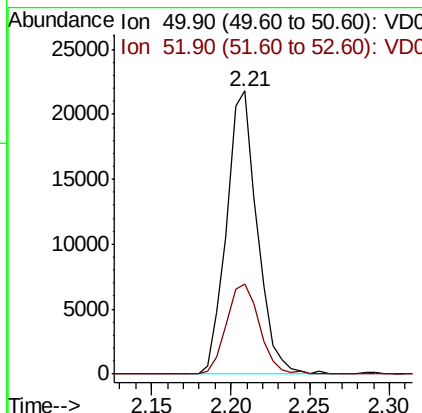
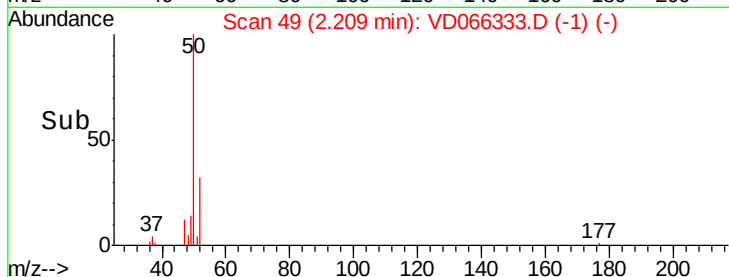
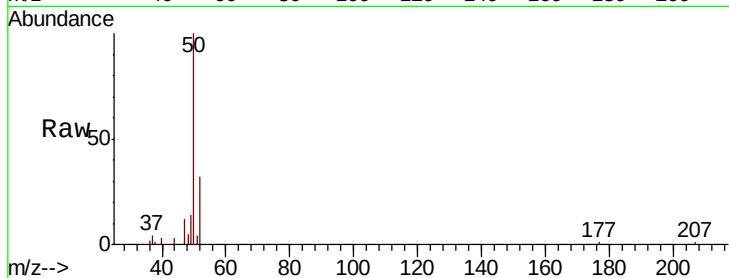
VD0819SBS02

Tot Ion: 50 Resp: 29284

Ion Ratio Lower Upper

50 100

52 32.0 27.9 41.9



#4

Vinyl Chloride

Concen: 21.528 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066333.D

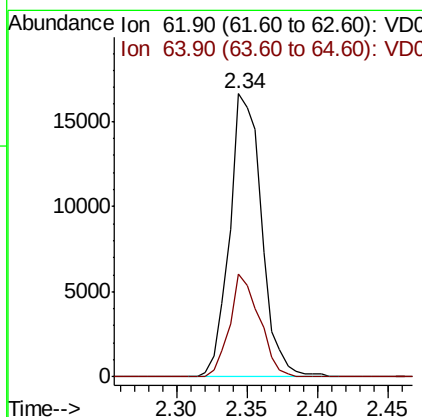
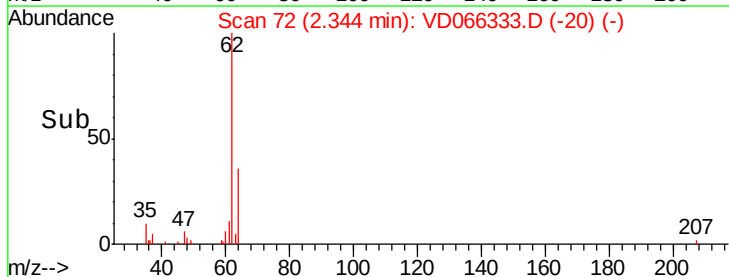
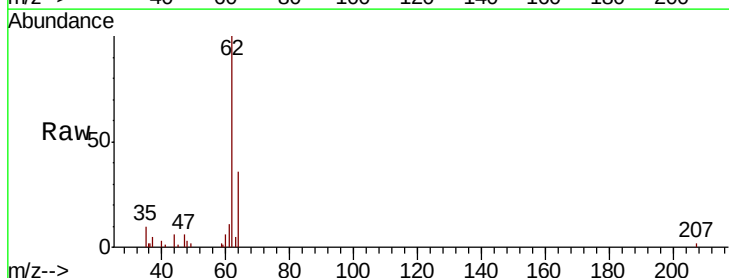
Acq: 20 Aug 2020 00:04

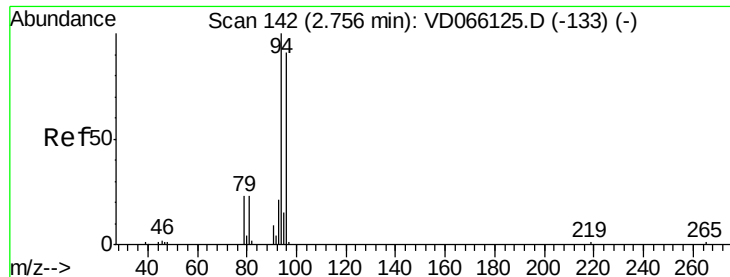
Tgt Ion: 62 Resp: 26287

Ion Ratio Lower Upper

62 100

64 36.3 25.8 38.8





#5

Bromomethane

Concen: 26.051 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

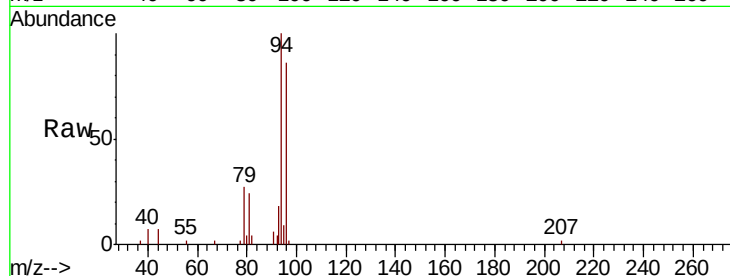
VD0819SBS02

Tot Ion: 94 Resp: 21104

Ion Ratio Lower Upper

94 100

96 86.4 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

10000

8000

6000

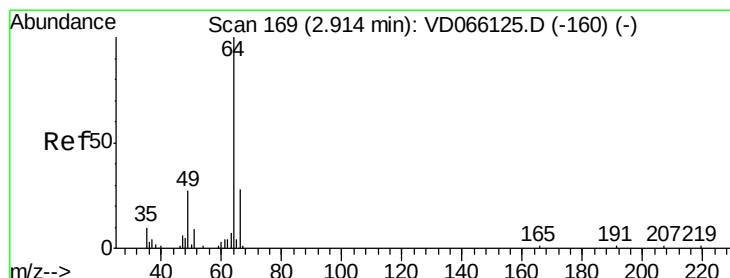
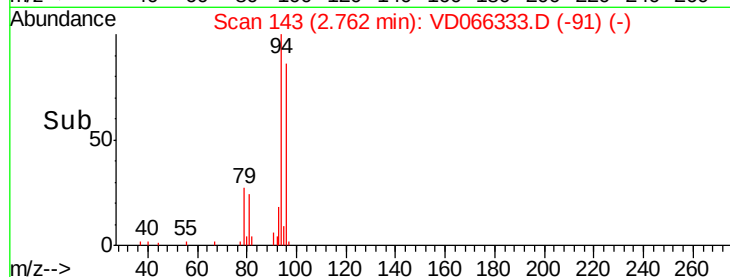
4000

2000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 23.081 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066333.D

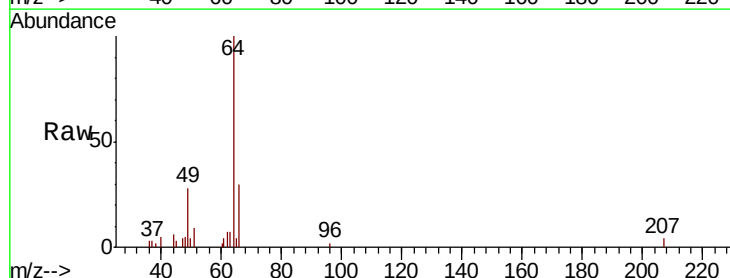
Acq: 20 Aug 2020 00:04

Tgt Ion: 64 Resp: 17300

Ion Ratio Lower Upper

64 100

66 30.5 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

10000

8000

6000

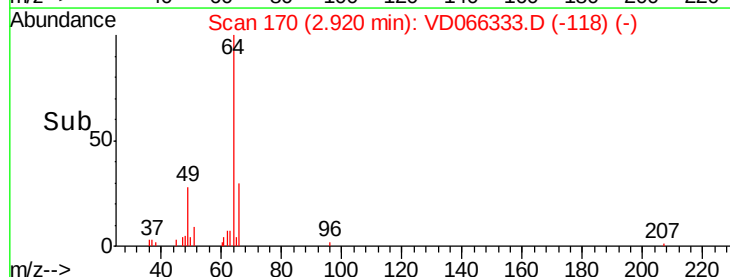
4000

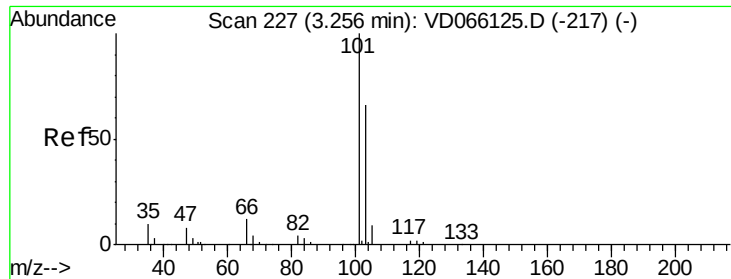
2000

0

Time-->

2.85 2.90 2.95 3.00



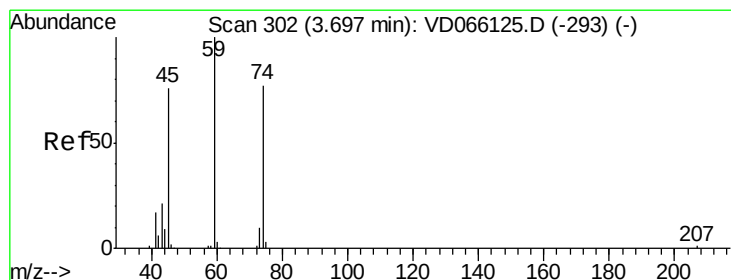
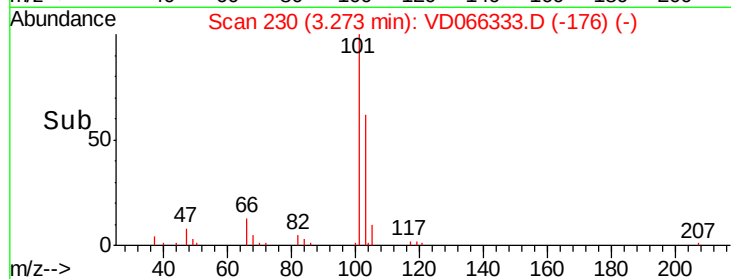
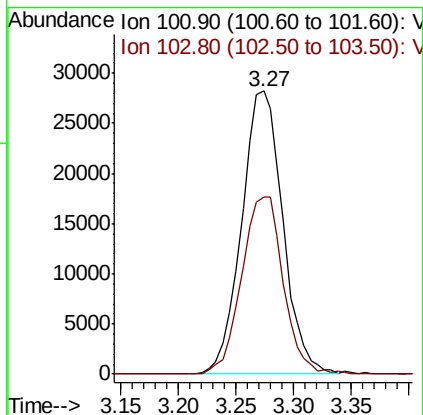
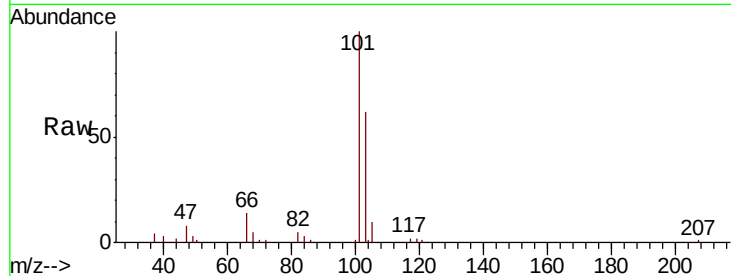


#7

Trichlorofluoromethane
 Concen: 22.024 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.02 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

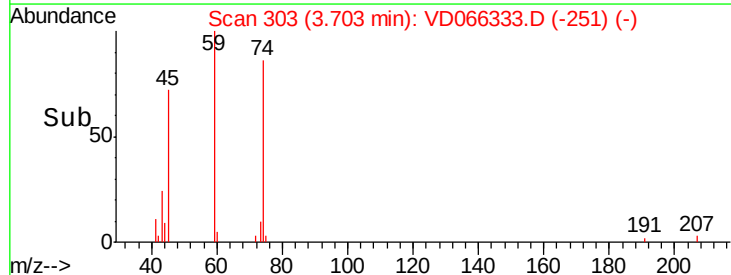
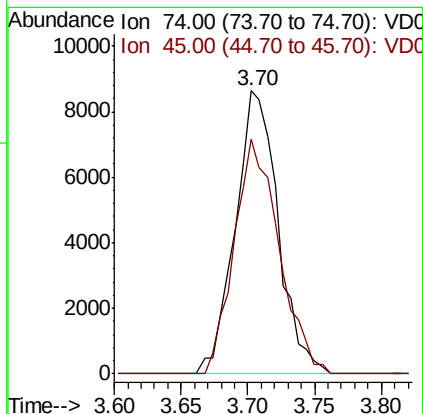
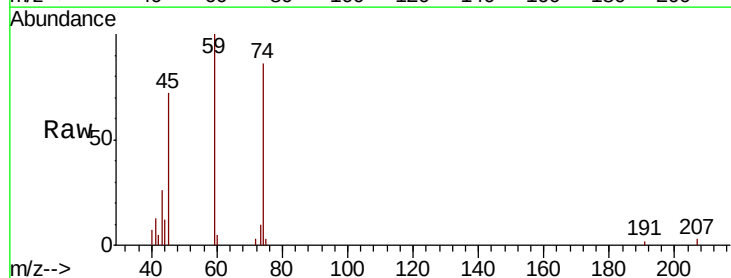
Tot Ion:101 Resp: 70110
 Ion Ratio Lower Upper
 101 100
 103 62.5 53.0 79.6

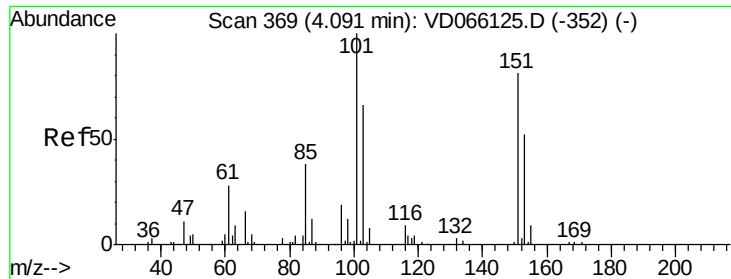


#8

Diethyl Ether
 Concen: 21.306 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion: 74 Resp: 19138
 Ion Ratio Lower Upper
 74 100
 45 87.4 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.813 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

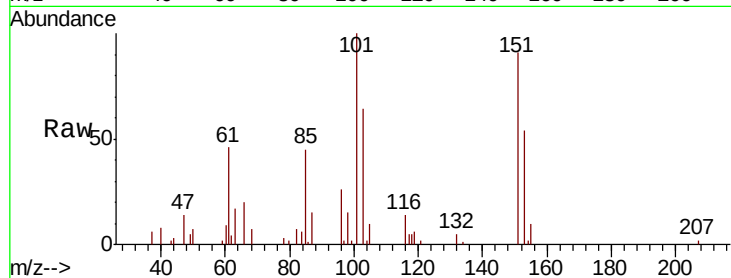
Tot Ion:101 Resp: 39320

Ion Ratio Lower Upper

101 100

85 43.7 33.5 50.3

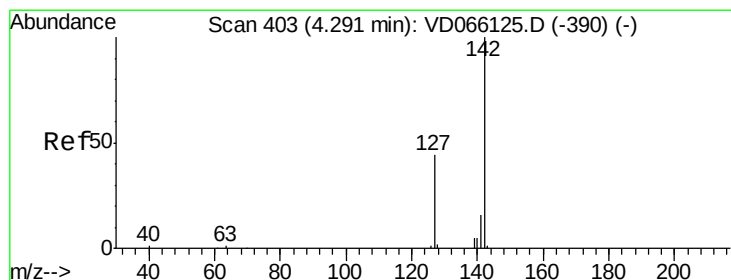
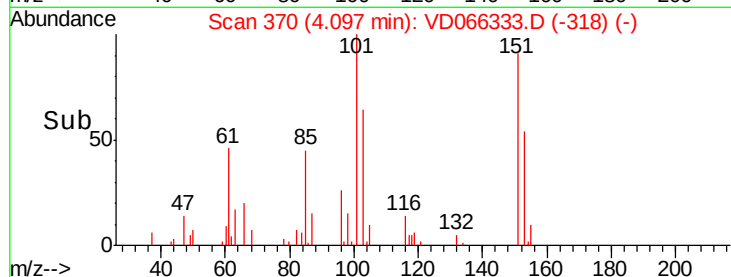
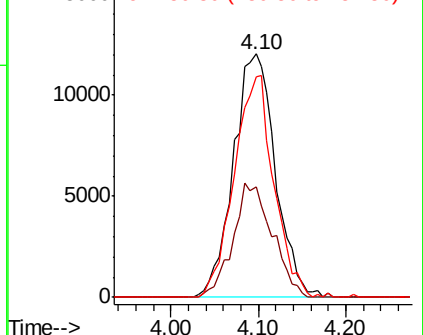
151 85.8 67.8 101.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.254 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

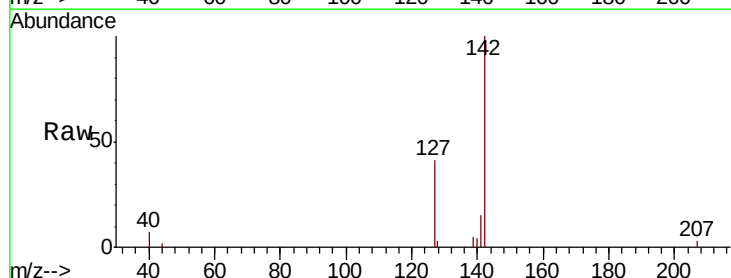
Tgt Ion:142 Resp: 40811

Ion Ratio Lower Upper

142 100

127 49.0 36.2 54.4

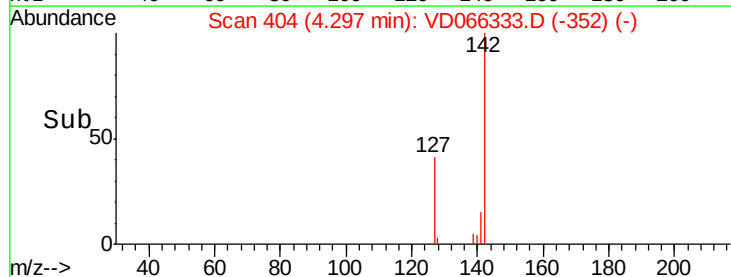
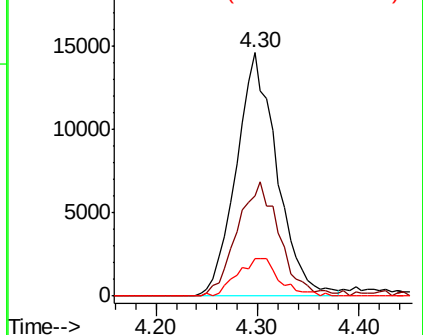
141 16.1 12.6 18.8

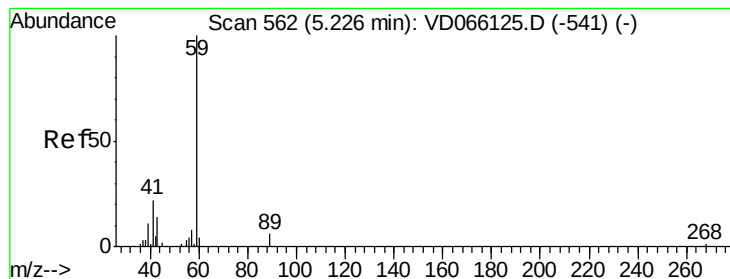


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.410 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

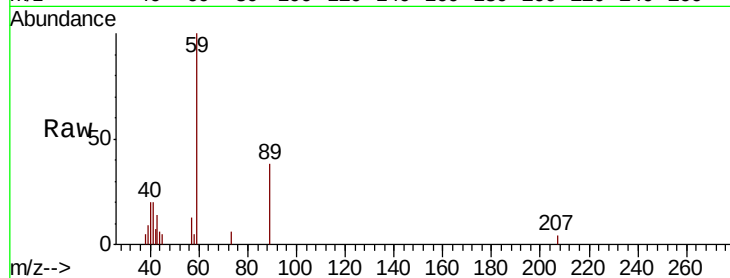
VD0819SBS02

Tot Ion: 59 Resp: 16395

Ion Ratio Lower Upper

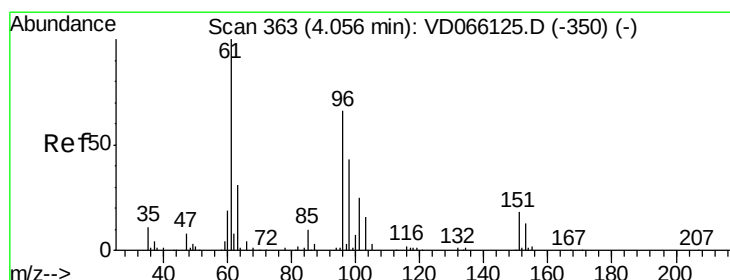
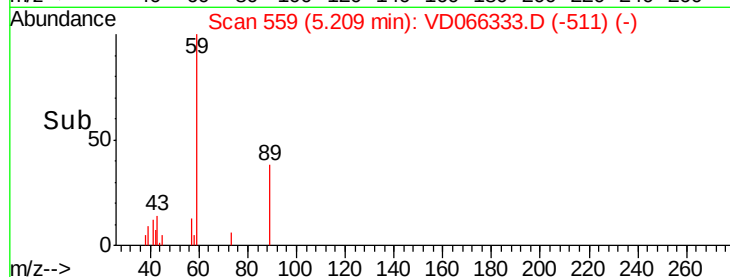
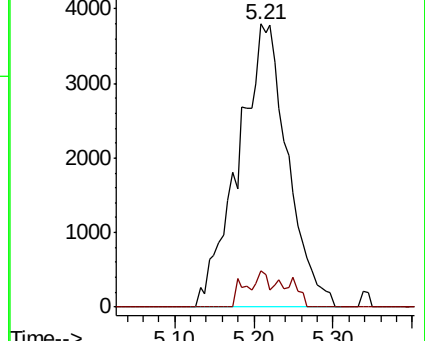
59 100

57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.875 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

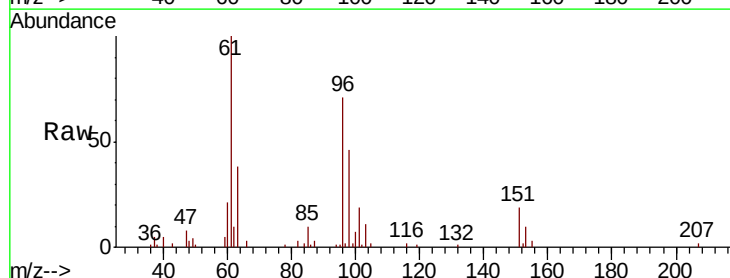
Tgt Ion: 96 Resp: 35421

Ion Ratio Lower Upper

96 100

61 141.8 121.6 182.4

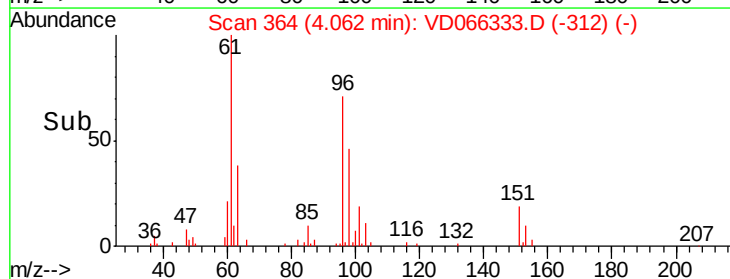
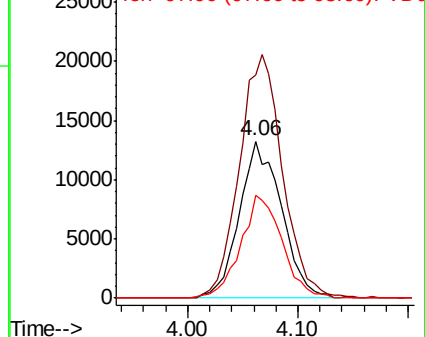
98 65.3 52.0 78.0

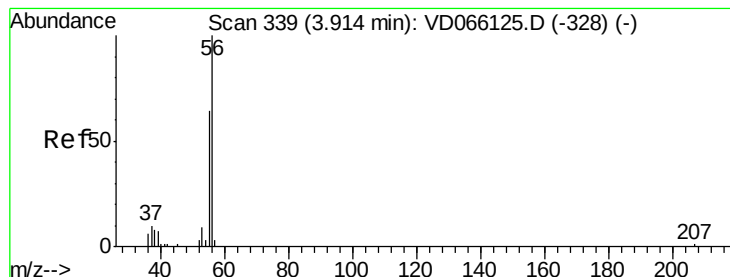


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 51.368 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

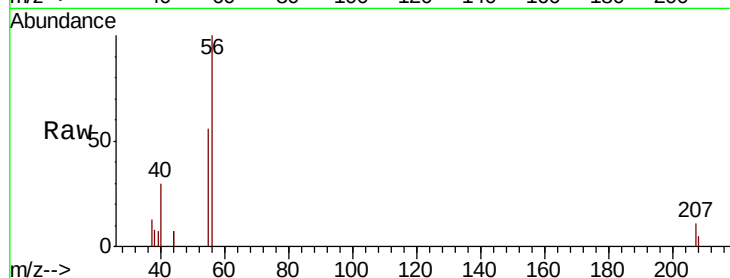
VD0819SBS02

Tot Ion: 56 Resp: 7341

Ion Ratio Lower Upper

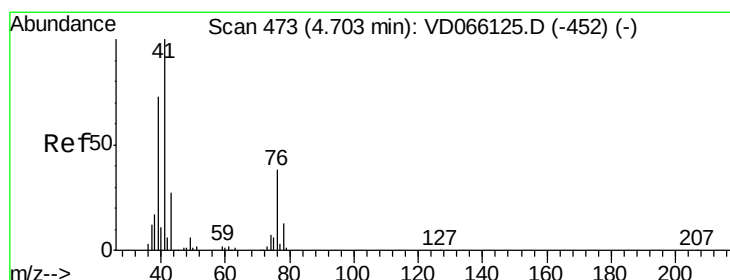
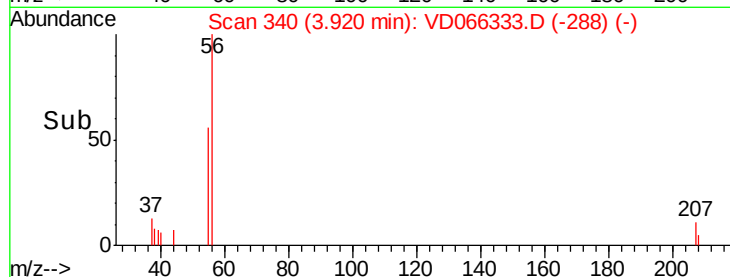
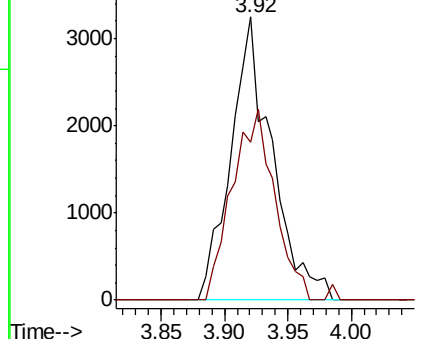
56 100

55 69.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.565 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

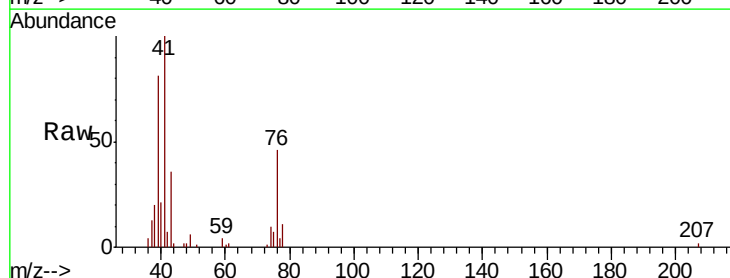
Tgt Ion: 41 Resp: 52826

Ion Ratio Lower Upper

41 100

39 80.9 57.4 86.0

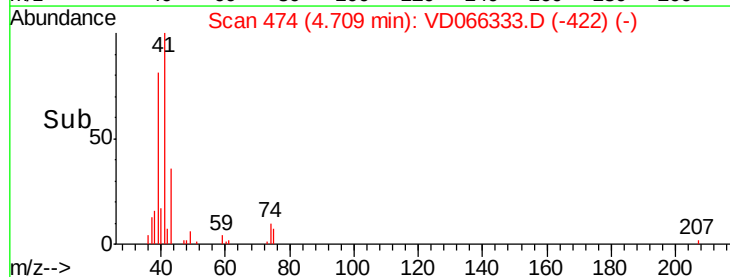
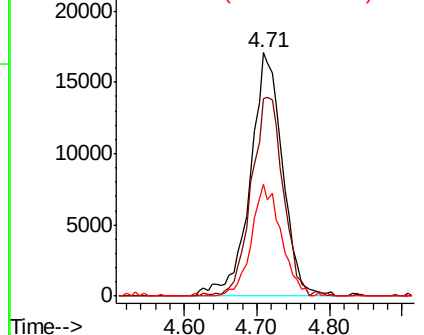
76 42.1 30.1 45.1

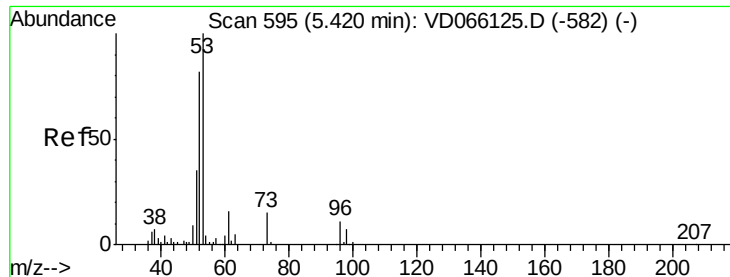


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 104.235 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

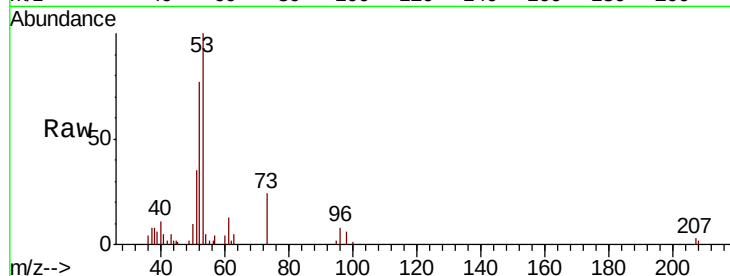
Tot Ion: 53 Resp: 39454

Ion Ratio Lower Upper

53 100

52 80.6 66.1 99.1

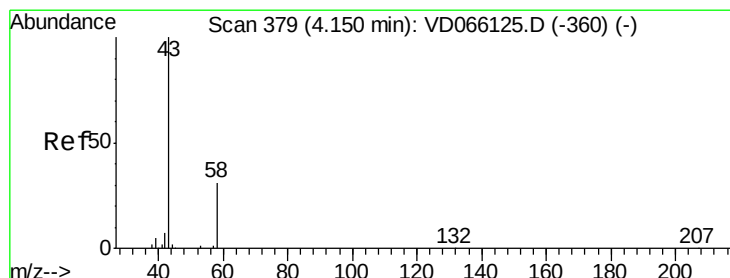
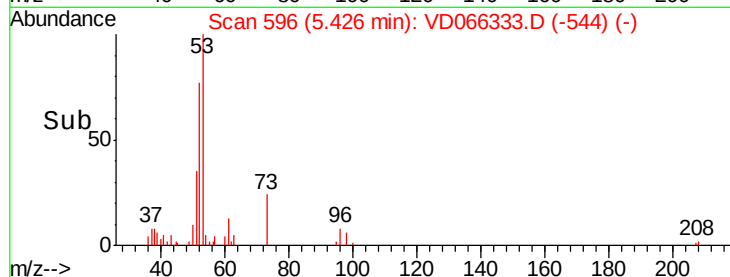
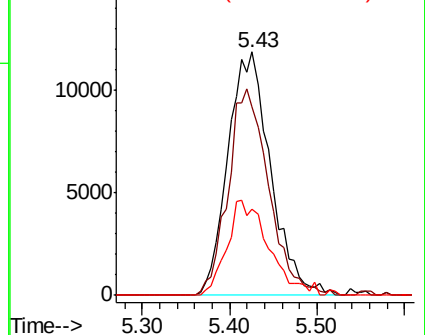
51 38.4 30.8 46.2



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: 94.995 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066333.D

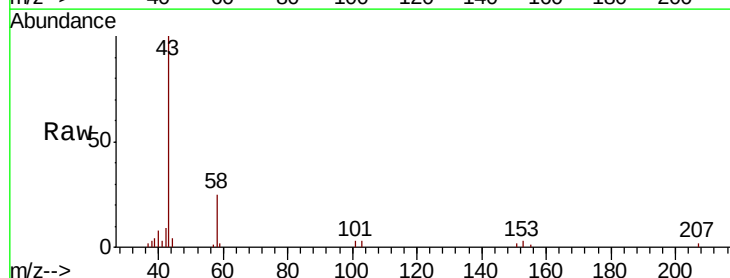
Acq: 20 Aug 2020 00:04

Tgt Ion: 43 Resp: 32361

Ion Ratio Lower Upper

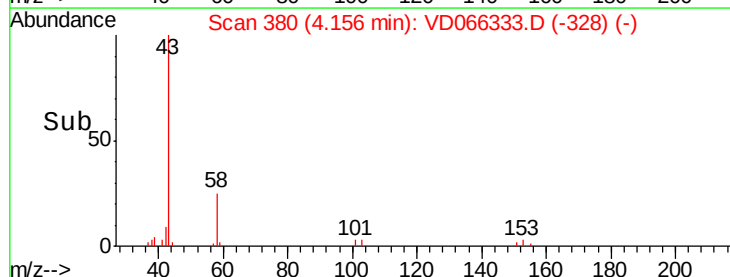
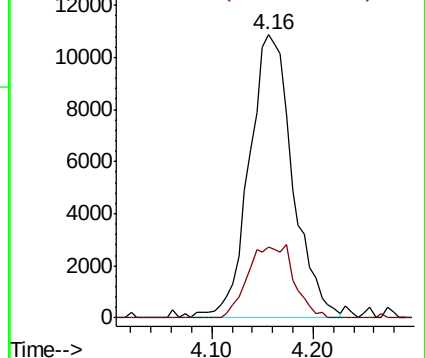
43 100

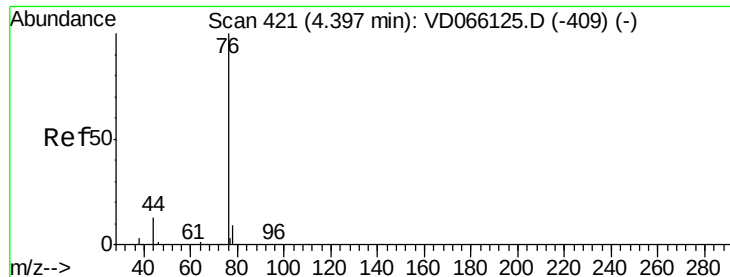
58 25.0 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 18.849 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

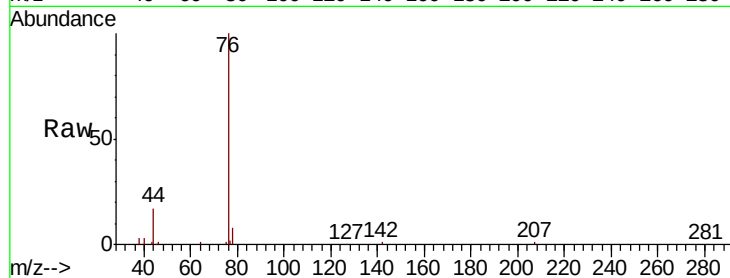
VD0819SBS02

Tot Ion: 76 Resp: 106812

Ion Ratio Lower Upper

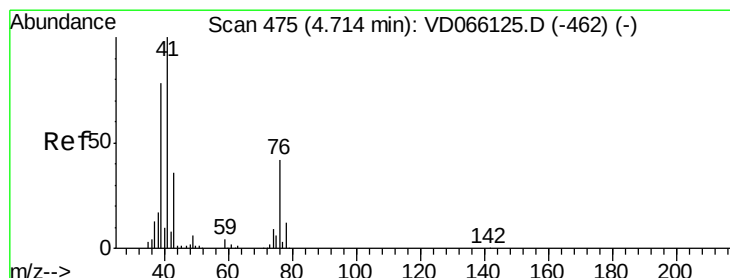
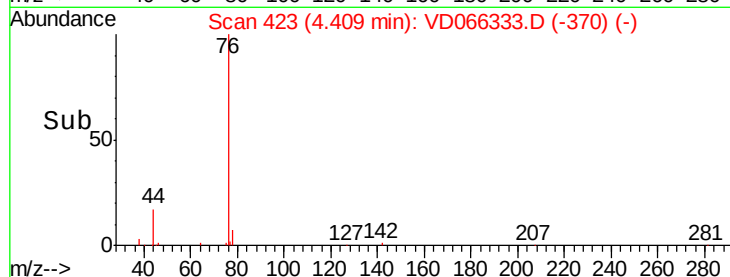
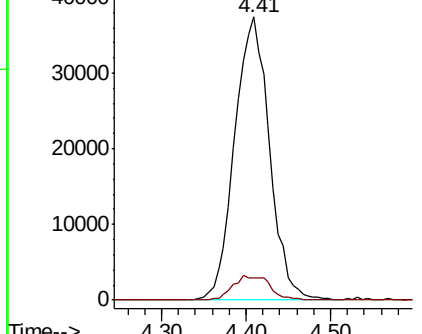
76 100

78 7.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.988 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066333.D

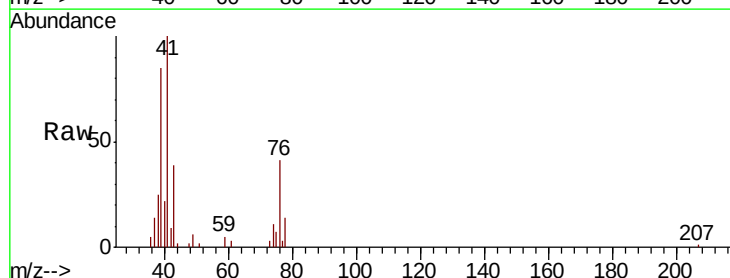
Acq: 20 Aug 2020 00:04

Tgt Ion: 43 Resp: 19026

Ion Ratio Lower Upper

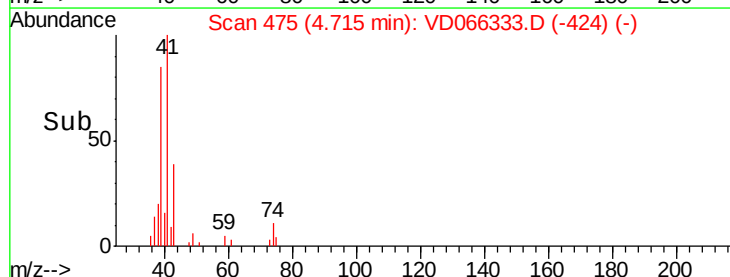
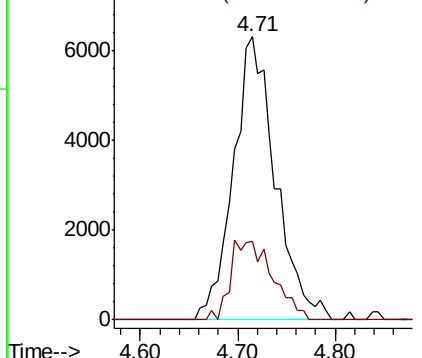
43 100

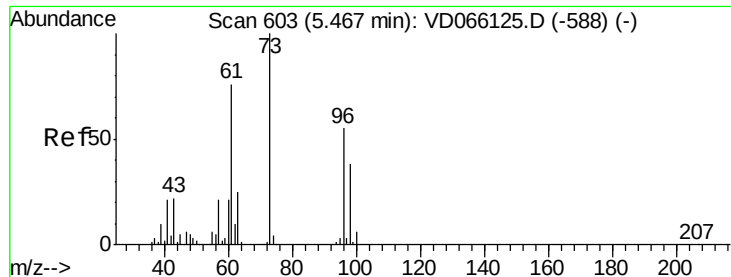
74 28.1 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

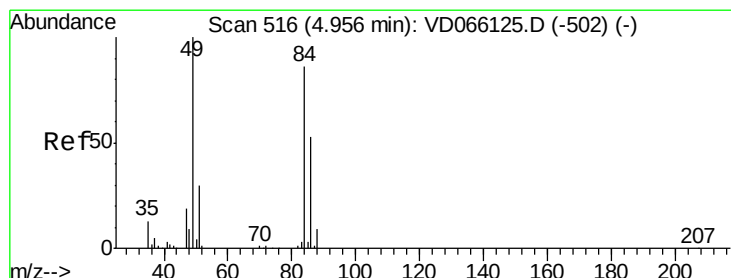
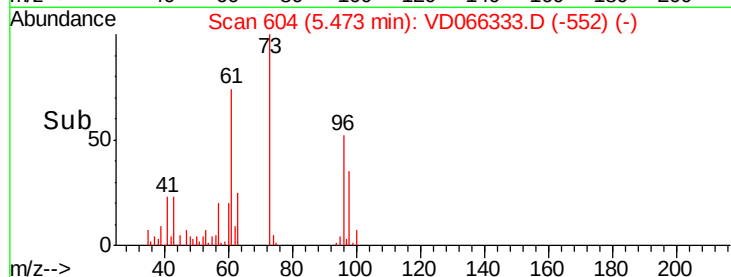
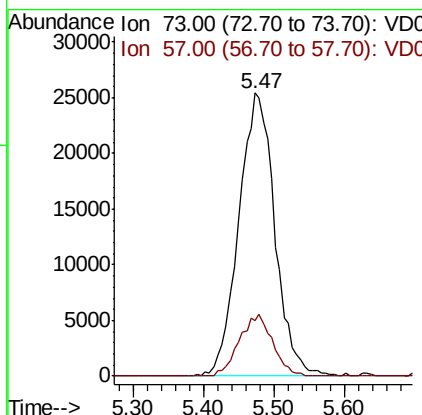
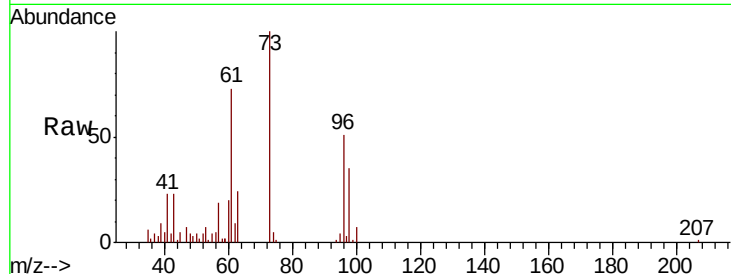




#19
Methyl tert-butyl Ether
Concen: 22.076 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

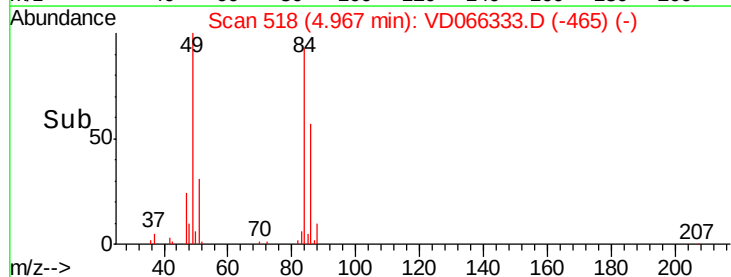
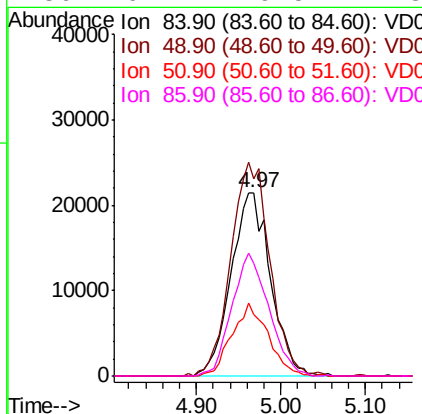
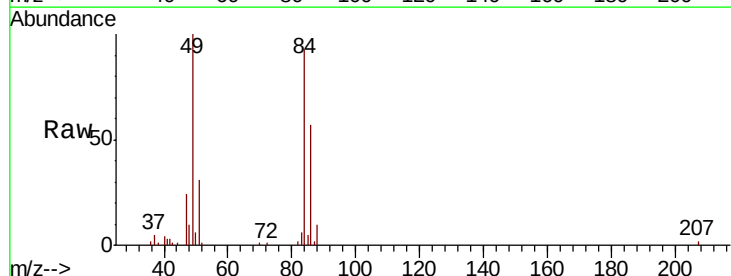
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

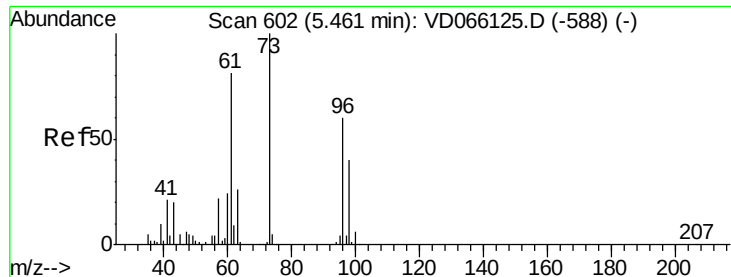
Tot Ion: 73 Resp: 90180
Ion Ratio Lower Upper
73 100
57 19.5 17.1 25.7



#20
Methylene Chloride
Concen: 34.141 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion: 84 Resp: 69687
Ion Ratio Lower Upper
84 100
49 107.7 93.5 140.3
51 33.4 28.2 42.4
86 61.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.982 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.02 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

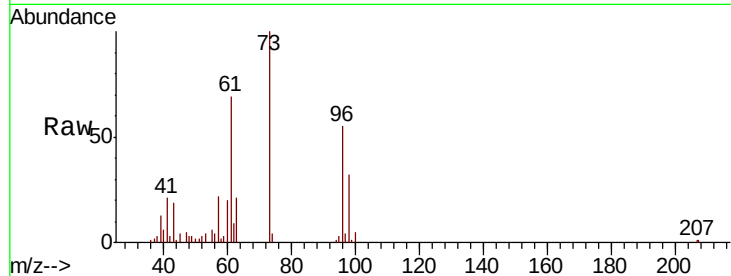
Tot Ion: 96 Resp: 42957

Ion Ratio Lower Upper

96 100

61 126.3 106.9 160.3

98 57.8 53.4 80.0

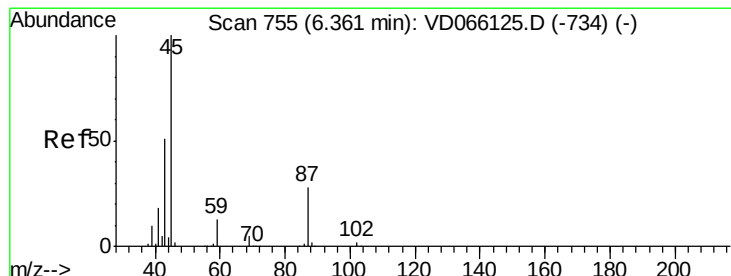
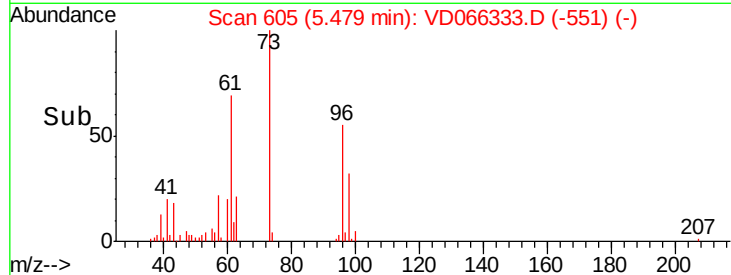
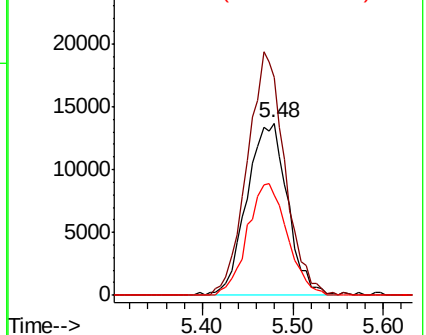


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.319 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Tgt Ion: 45 Resp: 108491

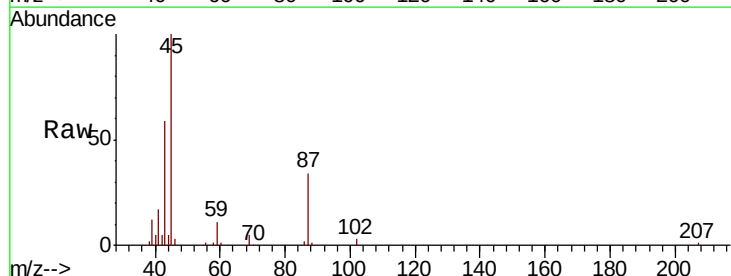
Ion Ratio Lower Upper

45 100

43 57.4 41.2 61.8

87 33.8 22.8 34.2

59 11.1 10.2 15.2



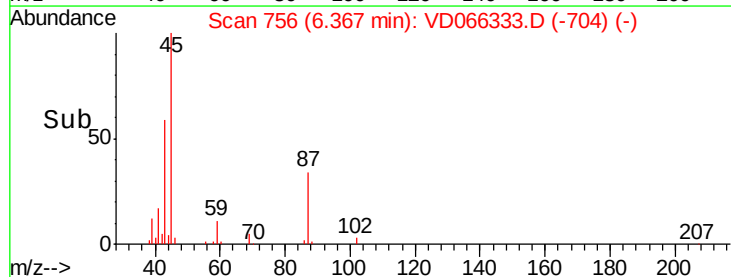
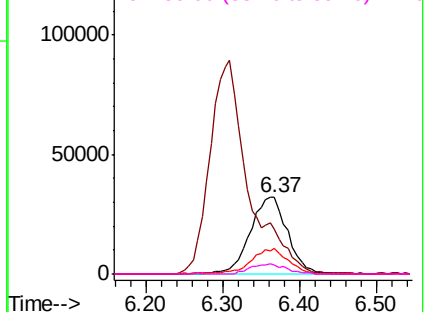
Abundance

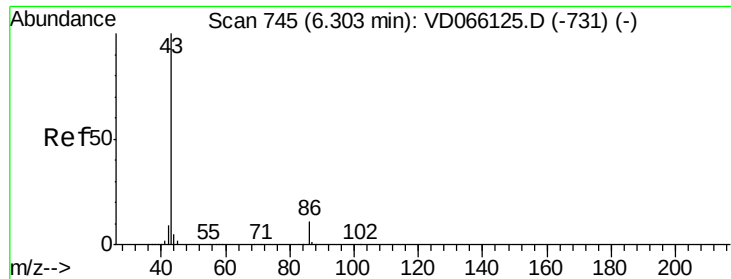
Ion 45.00 (44.70 to 45.70): VDC

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: 99.116 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

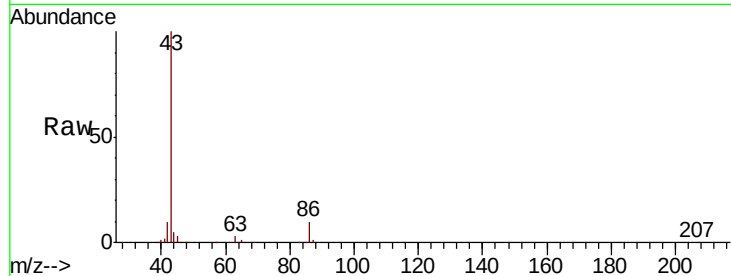
VD0819SBS02

Tot Ion: 43 Resp: 310034

Ion Ratio Lower Upper

43 100

86 9.7 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

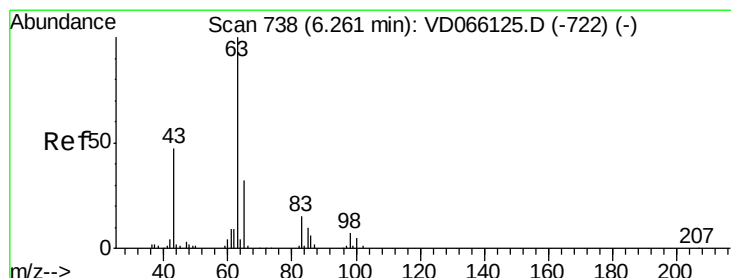
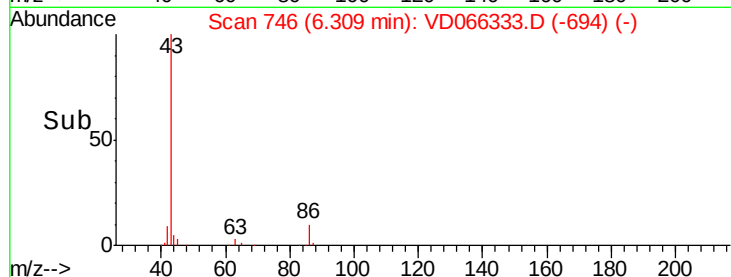
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.959 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

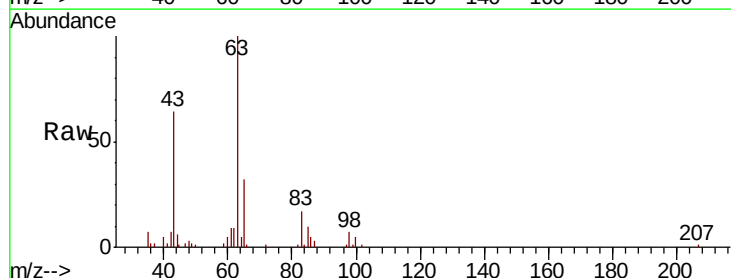
Tgt Ion: 63 Resp: 72561

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

30000

25000

20000

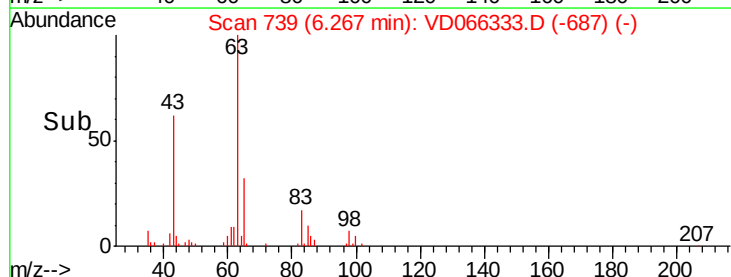
15000

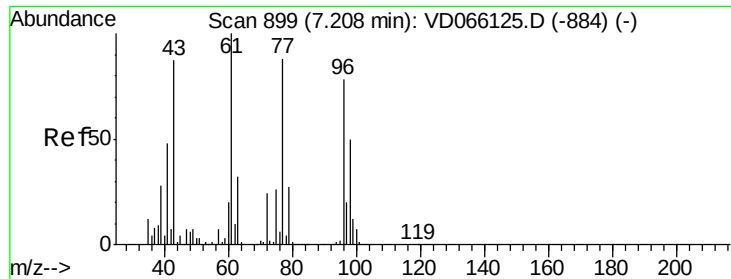
10000

5000

0

Time-->





#25

2-Butanone

Concen: 93.256 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

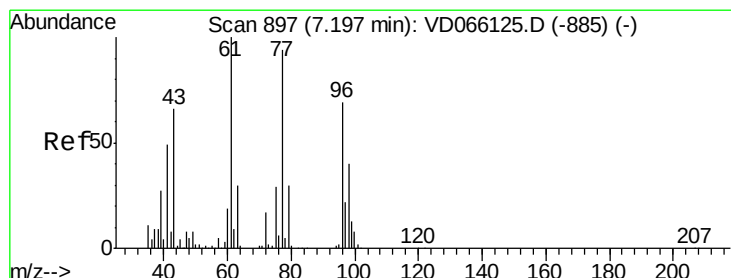
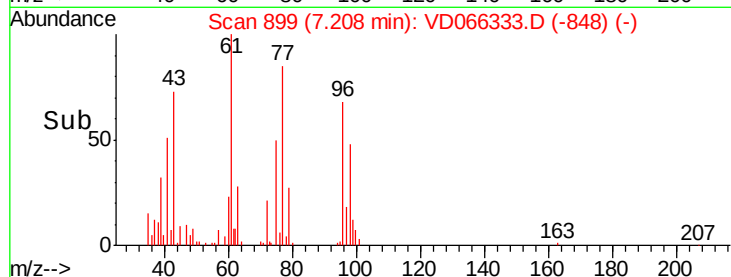
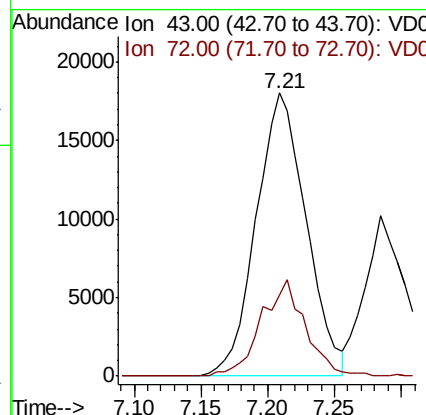
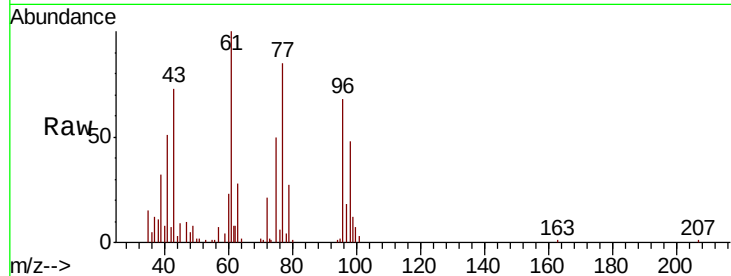
VD0819SBS02

Tot Ion: 43 Resp: 46726

Ion Ratio Lower Upper

43 100

72 29.0 22.2 33.2



#26

2,2-Dichloropropane

Concen: 21.721 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066333.D

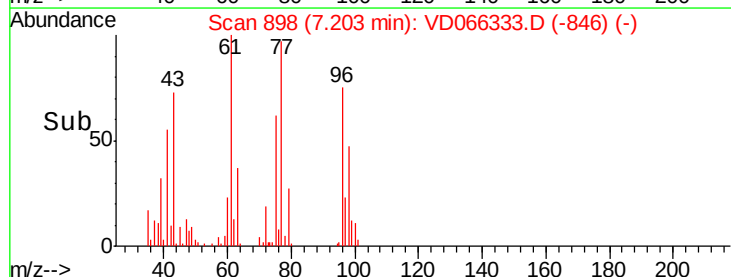
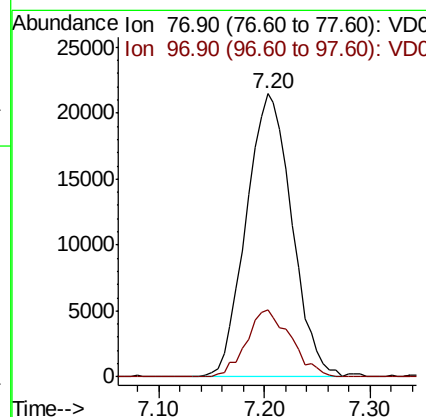
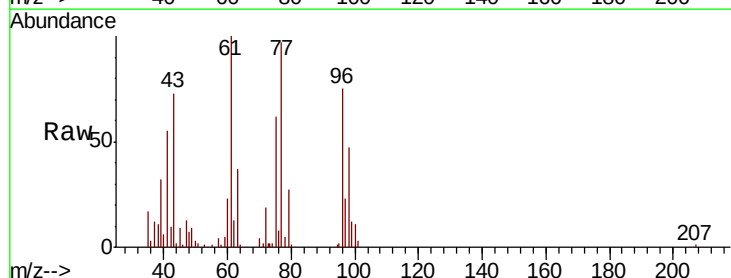
Acq: 20 Aug 2020 00:04

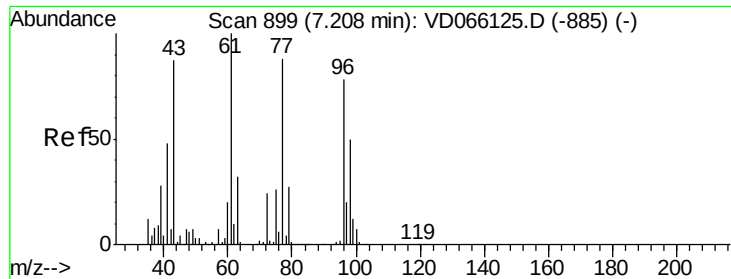
Tgt Ion: 77 Resp: 64327

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.3



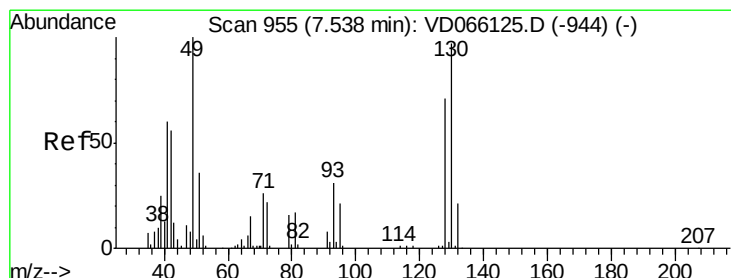
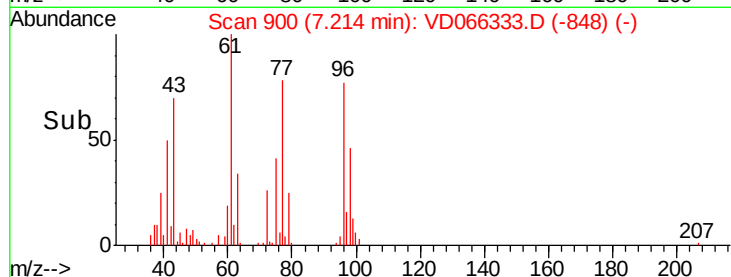
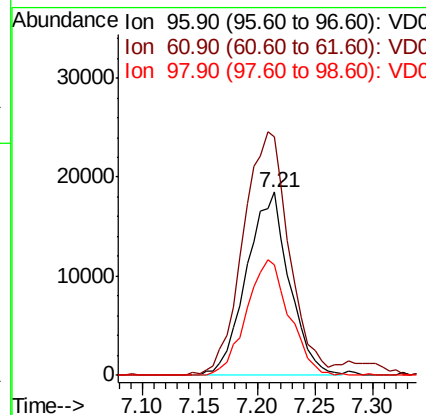
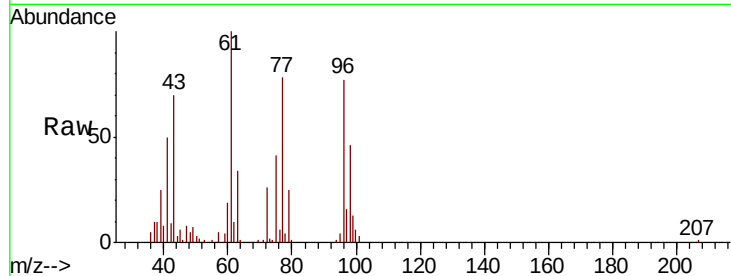


#27

cis-1,2-Dichloroethene
 Concen: 22.218 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

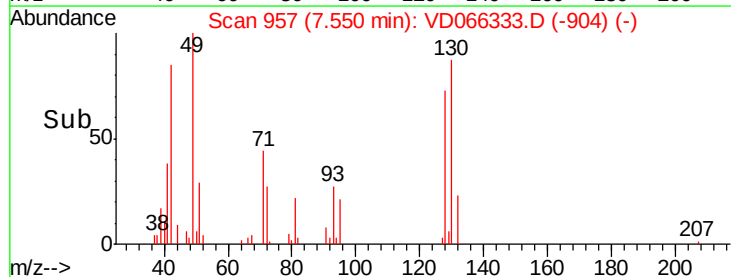
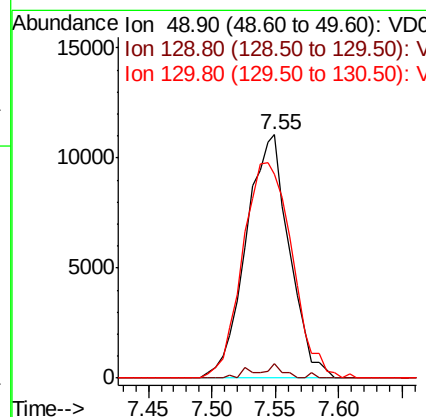
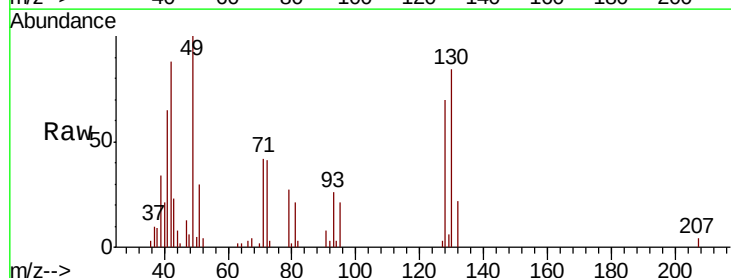
Tot Ion: 96 Resp: 47711
 Ion Ratio Lower Upper
 96 100
 61 142.1 0.0 281.6
 98 63.1 0.0 130.8

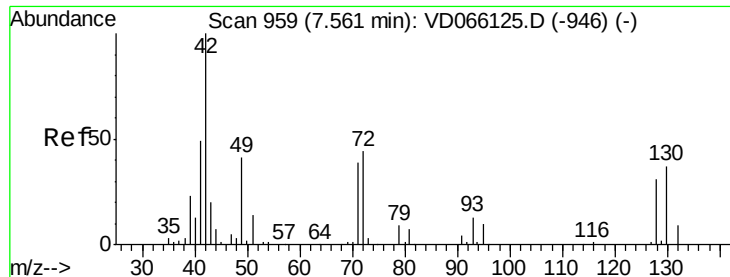


#28

Bromochloromethane
 Concen: 22.627 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion: 49 Resp: 26260
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 6.0
 130 101.1 73.8 110.6

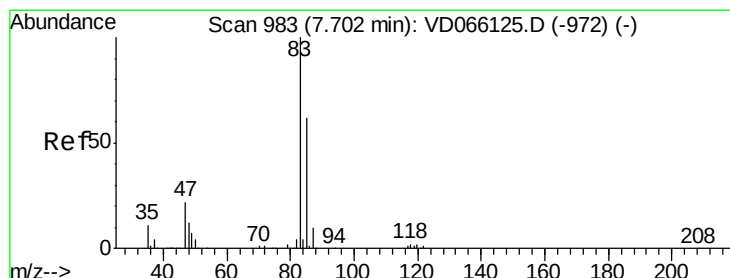
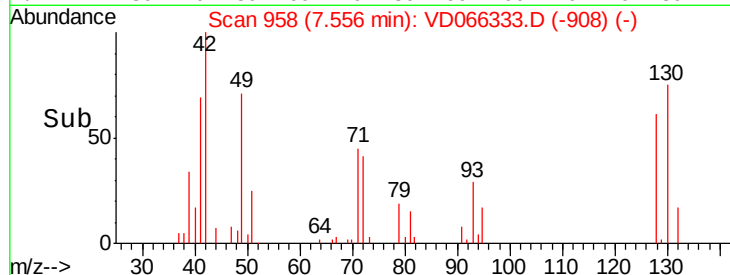
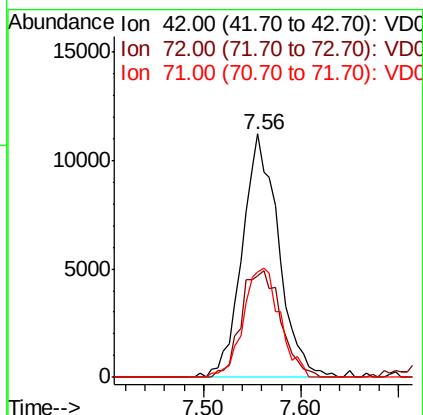
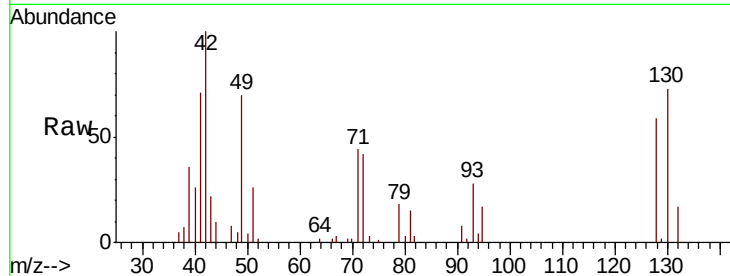




#29
Tetrahydrofuran
Concen: 93.692 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

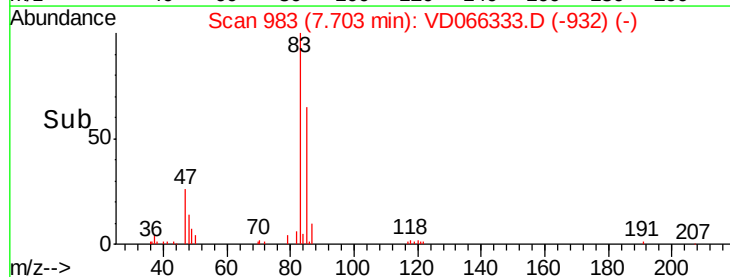
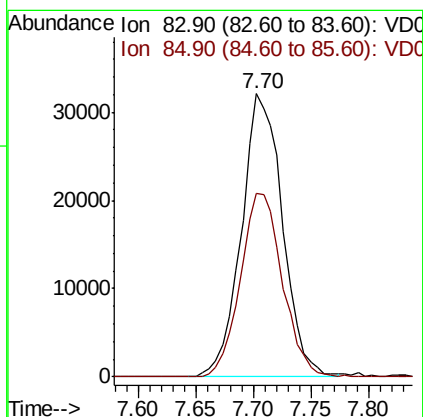
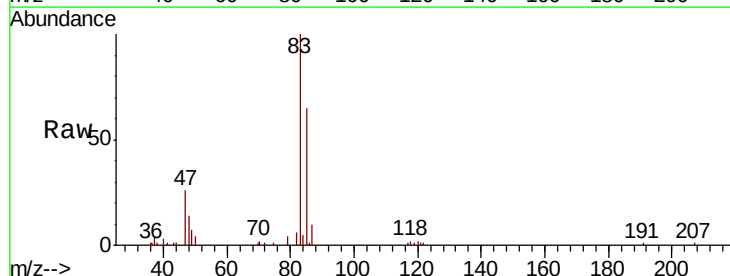
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

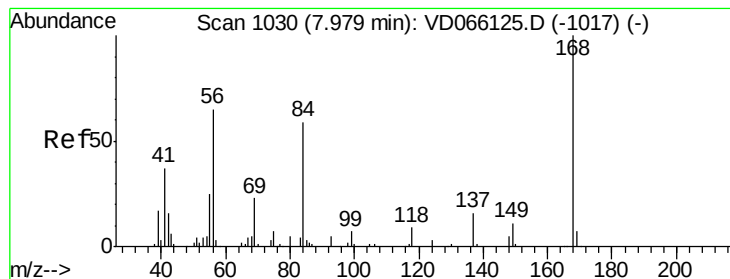
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	34.8	52.2
71	45.4	33.5	50.3



#30
Chloroform
Concen: 22.880 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.5	74.3





#31

Cyclohexane

Concen: 17.670 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

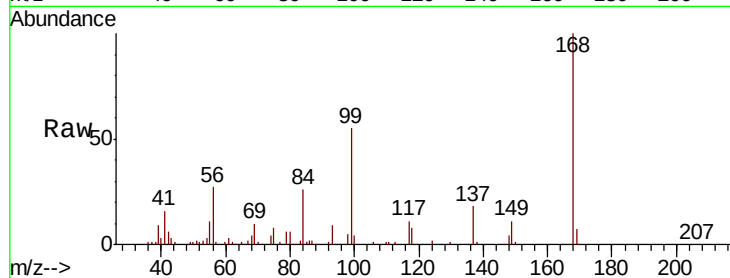
Tot Ion: 56 Resp: 55579

Ion Ratio Lower Upper

56 100

69 36.3 28.8 43.2

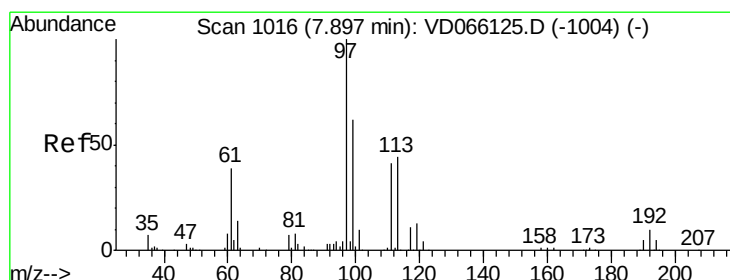
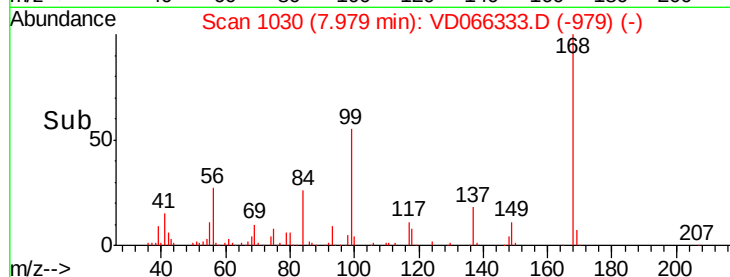
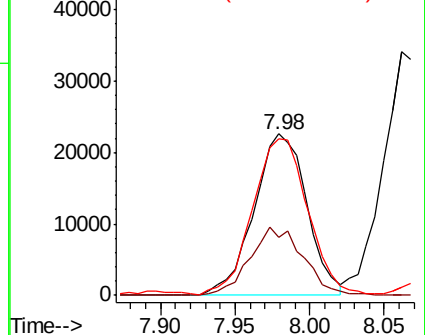
84 96.5 73.0 109.6



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: 23.024 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

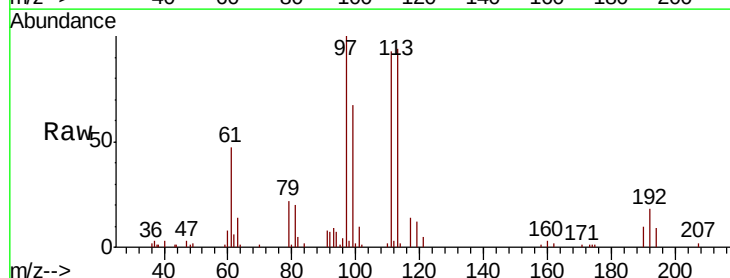
Tgt Ion: 97 Resp: 74900

Ion Ratio Lower Upper

97 100

99 65.3 51.1 76.7

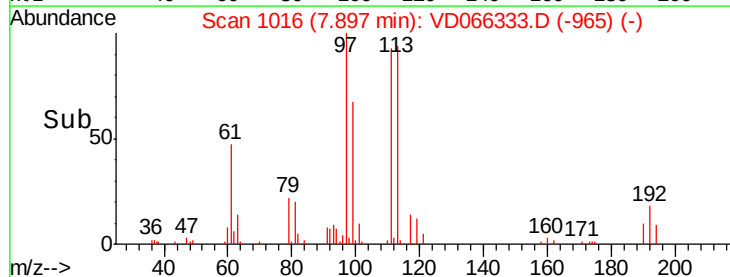
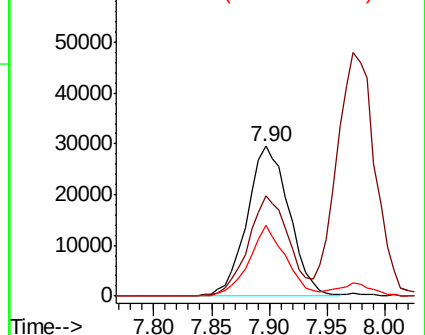
61 41.3 32.7 49.1

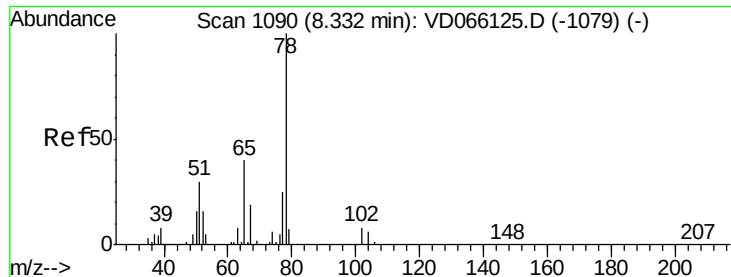


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

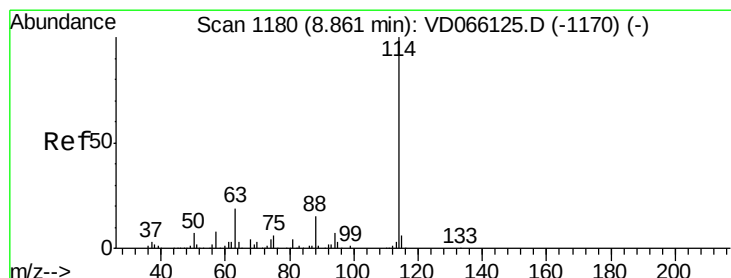
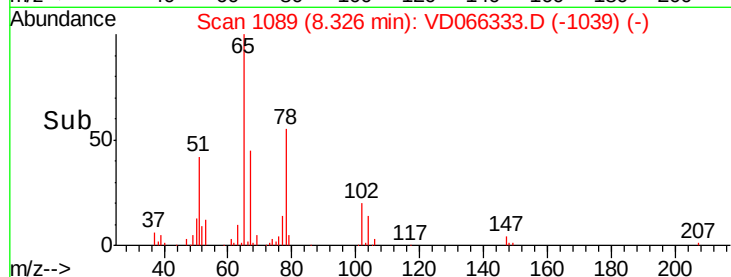
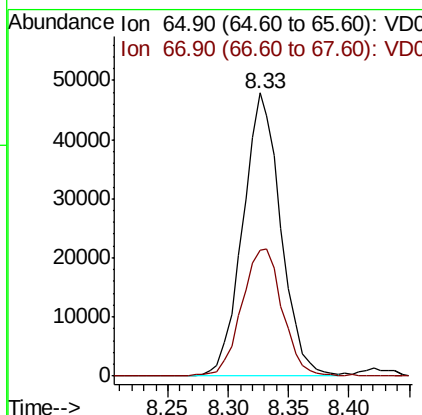
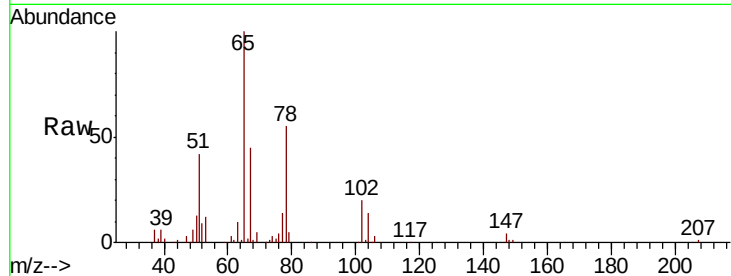




#33
 1,2-Dichloroethane-d4
 Concen: 58.303 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

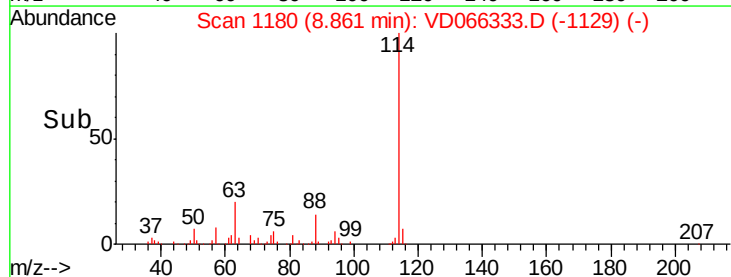
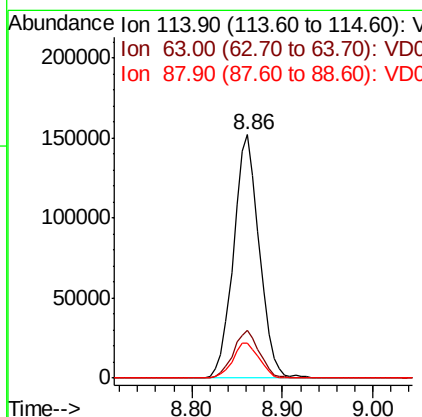
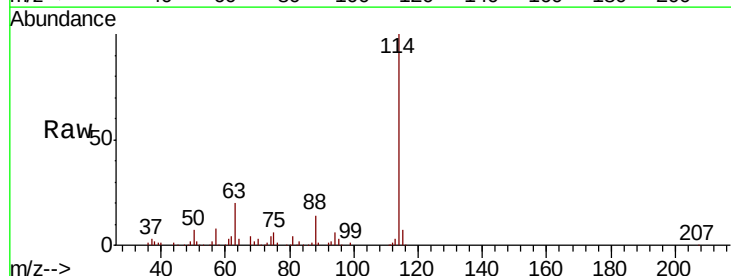
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

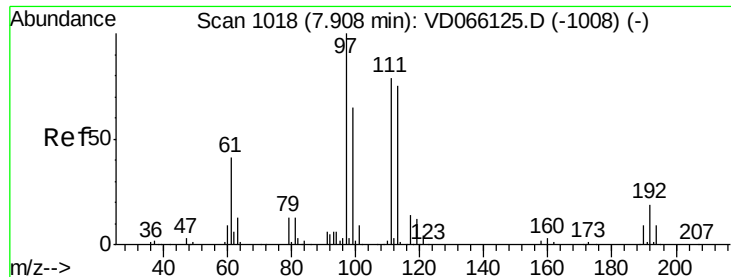
Tot Ion: 65 Resp: 104677
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion: 114 Resp: 300835
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 14.5 0.0 30.0

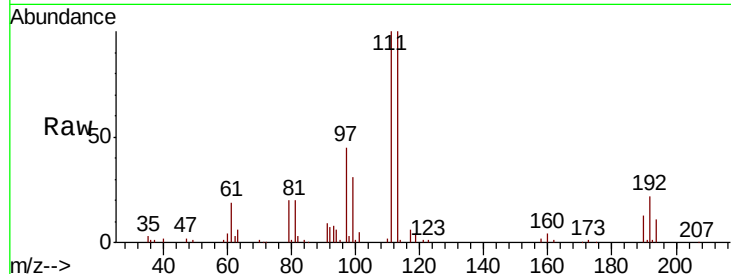




#35
 Dibromofluoromethane
 Concen: 53.419 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.7	121.1
192	22.5	18.4	27.6

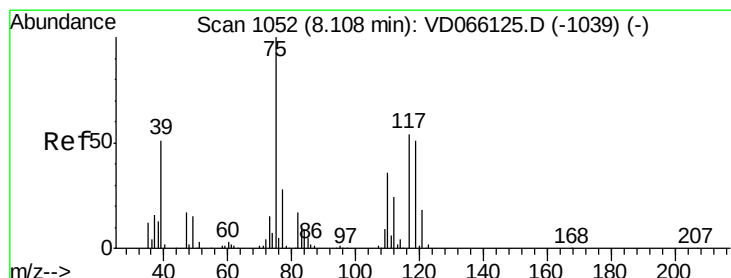
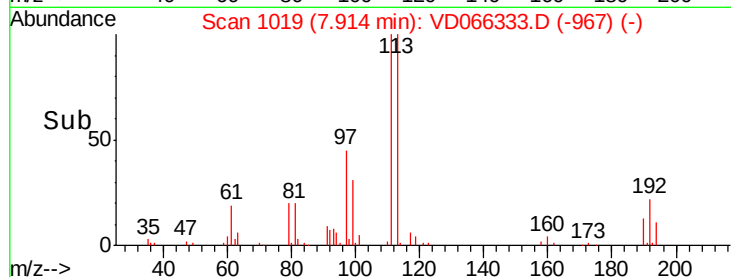
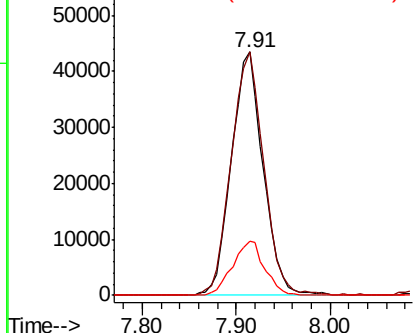


Abundance

Ion 112.80 (112.50 to 113.50): V

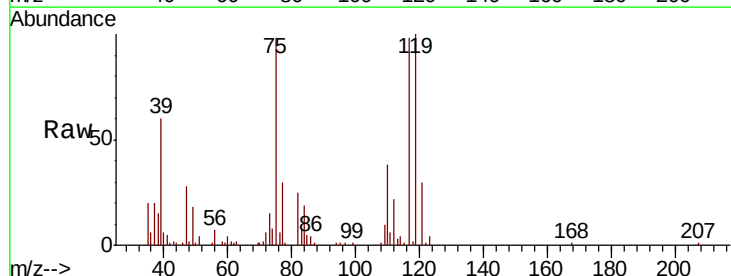
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 20.430 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	18.8	56.3
77	30.8	24.2	36.2

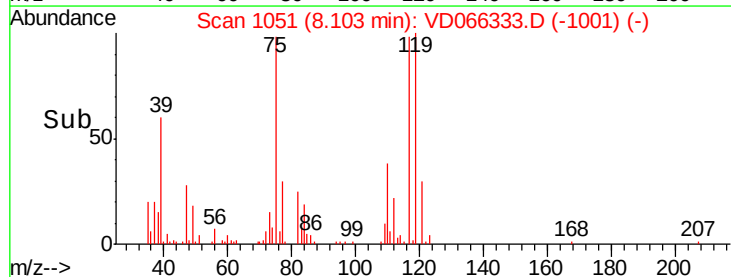
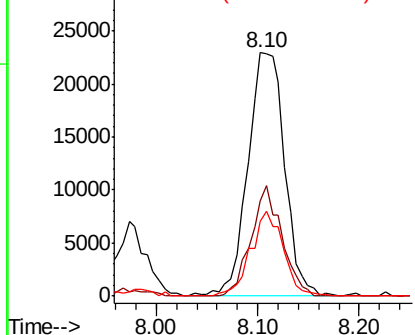


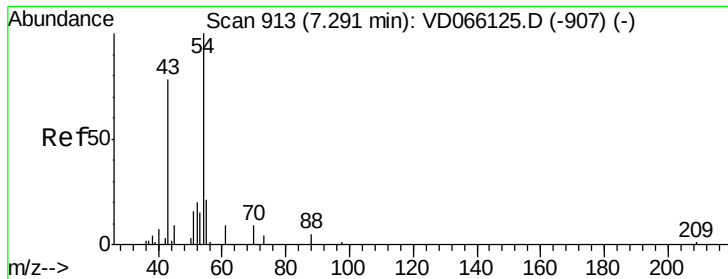
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

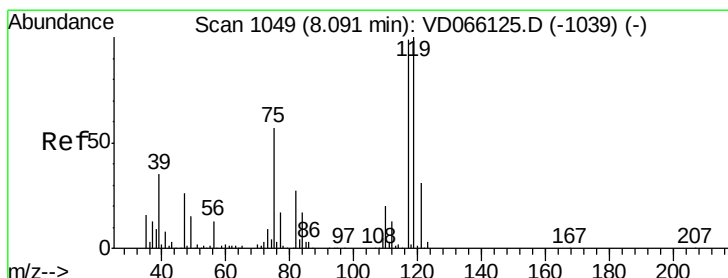
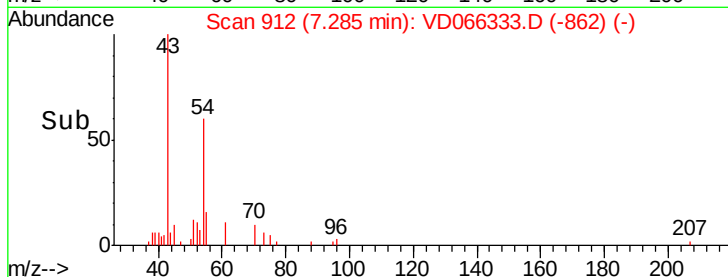
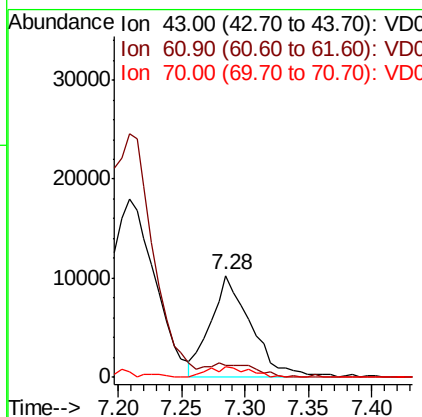
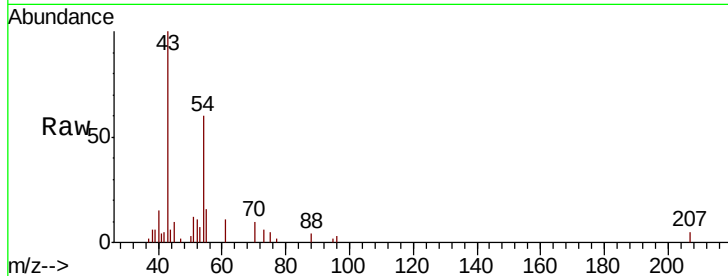




#37
Ethyl Acetate
Concen: 20.472 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

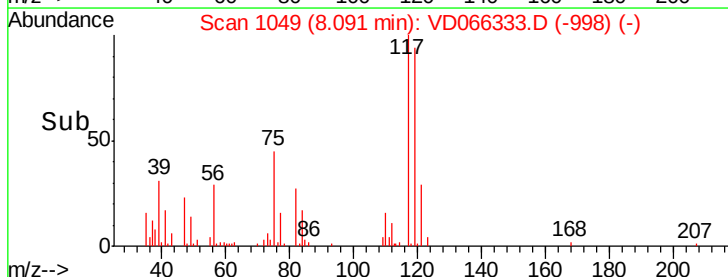
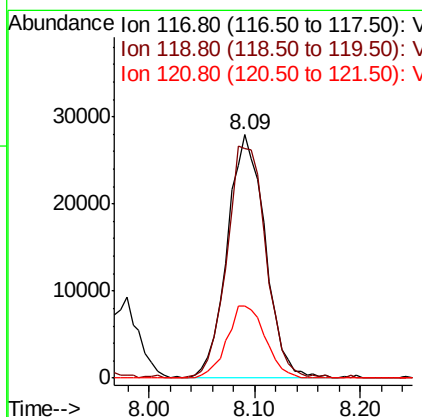
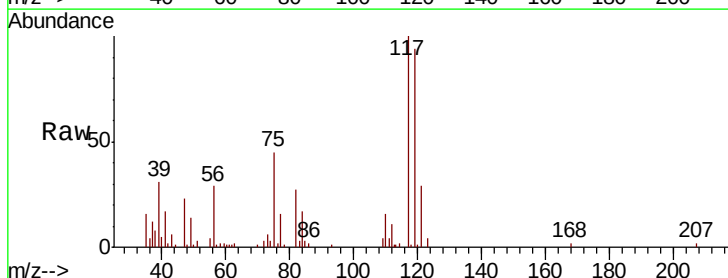
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

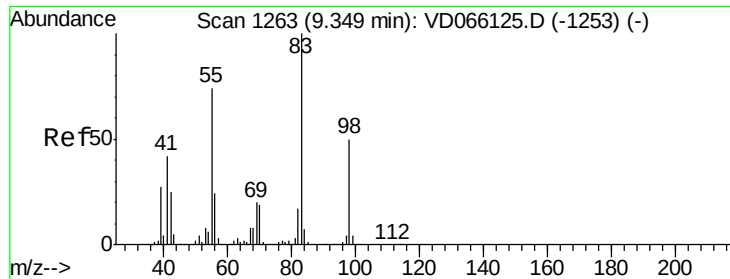
Tot Ion: 43 Resp: 22930
Ion Ratio Lower Upper
43 100
61 12.9 12.0 18.0
70 10.5 9.7 14.5



#38
Carbon Tetrachloride
Concen: 22.068 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion: 117 Resp: 69570
Ion Ratio Lower Upper
117 100
119 94.3 81.0 121.4
121 29.4 24.8 37.2

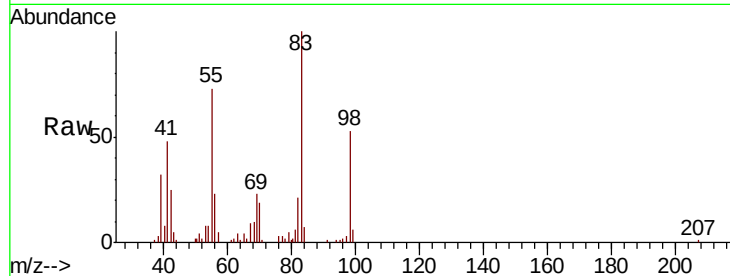




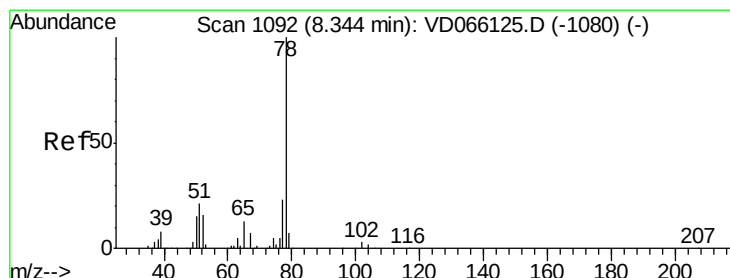
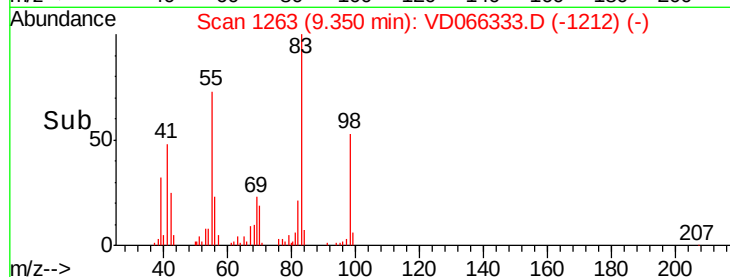
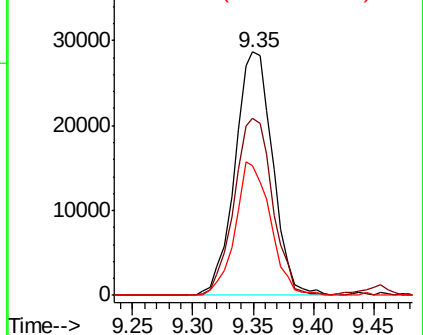
#39
Methylvlcyclohexane
Concen: 18.293 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion: 83 Resp: 62512
Ion Ratio Lower Upper
83 100
55 73.0 59.2 88.8
98 53.1 39.8 59.6

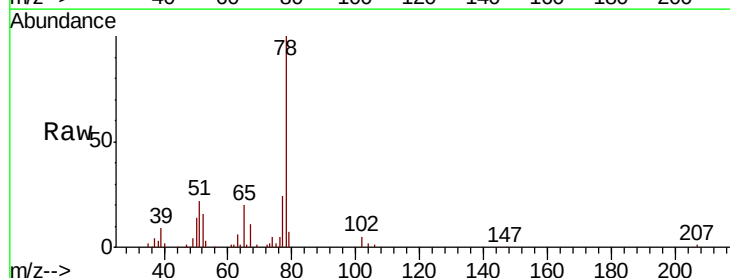


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

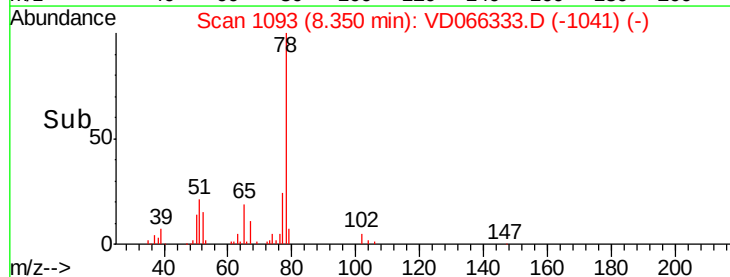
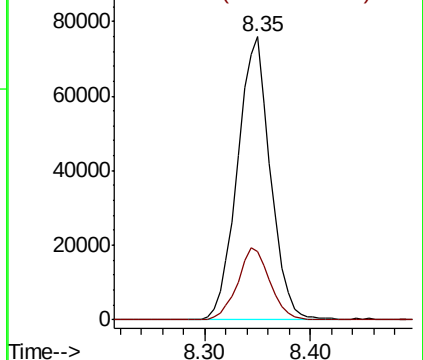


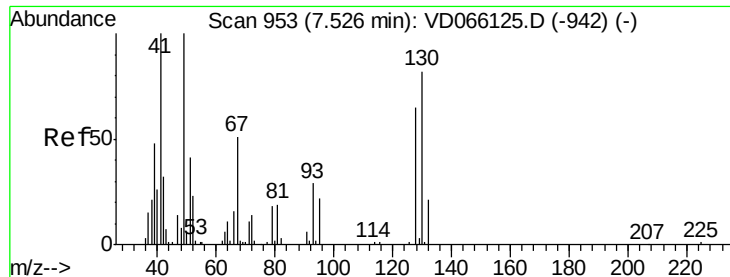
#40
Benzene
Concen: 20.869 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion: 78 Resp: 163656
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8



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





#41

Methacrylonitrile

Concen: 16.279 ug/l

RT: 7.51 min Scan# 951

Delta R.T. -0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 41 Resp: 10721

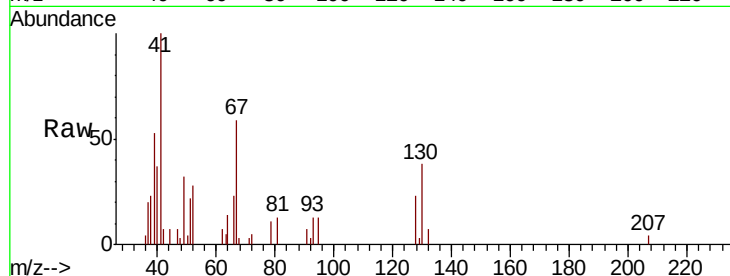
Ion Ratio Lower Upper

41 100

39 45.4 47.5 71.3#

67 91.5 59.1 88.7#

52 41.3 25.4 38.0#

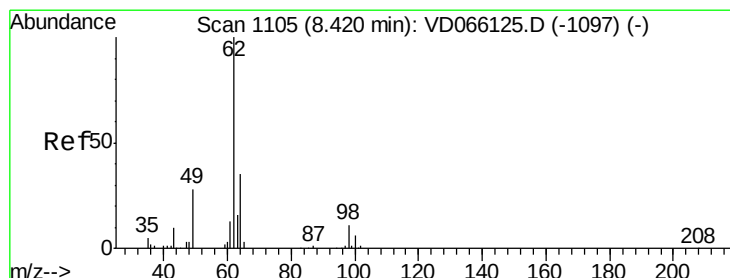
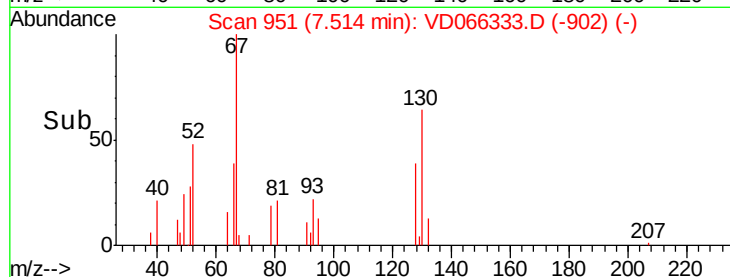
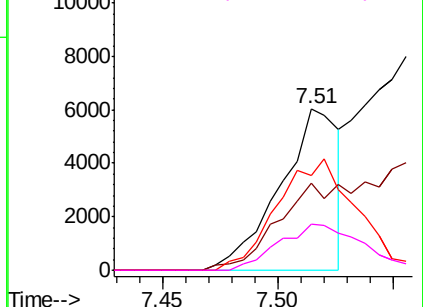


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 24.168 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066333.D

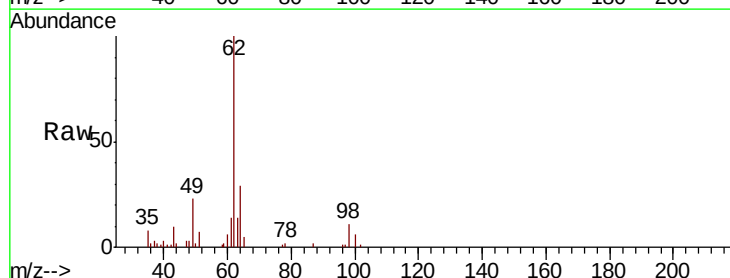
Acq: 20 Aug 2020 00:04

Tgt Ion: 62 Resp: 55678

Ion Ratio Lower Upper

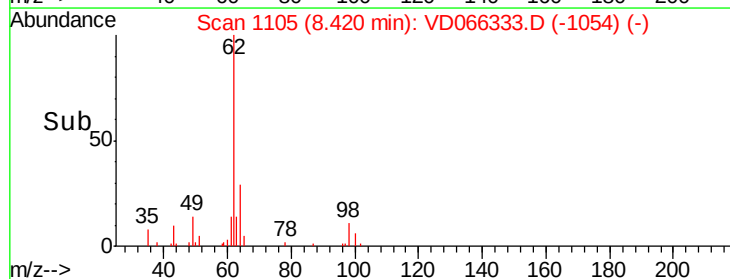
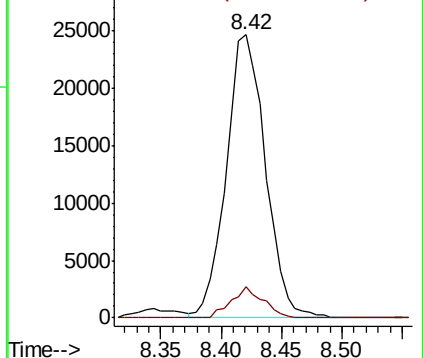
62 100

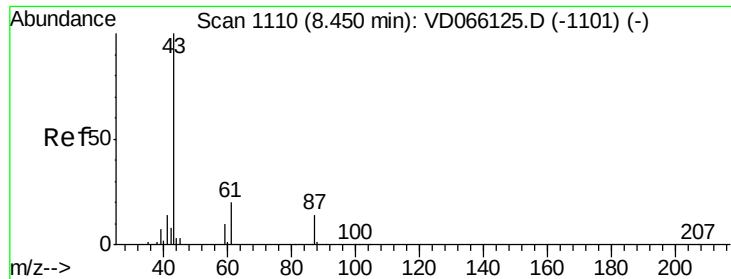
98 9.0 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.239 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

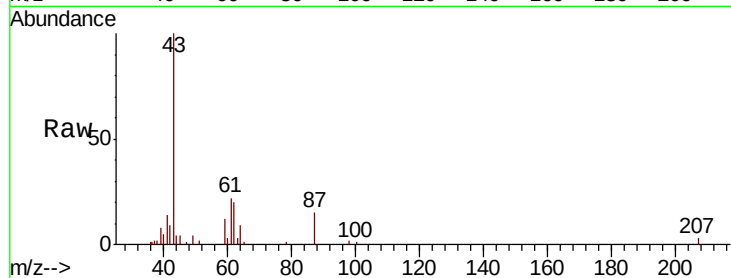
Tot Ion: 43 Resp: 42459

Ion Ratio Lower Upper

43 100

61 34.6 25.5 38.3

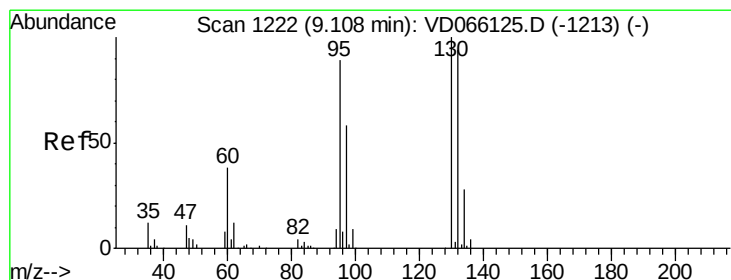
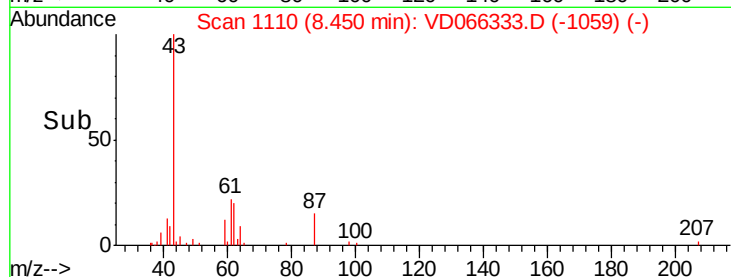
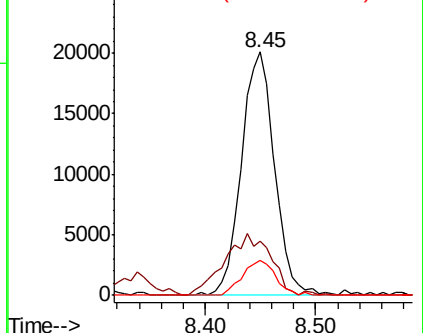
87 14.5 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.412 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD066333.D

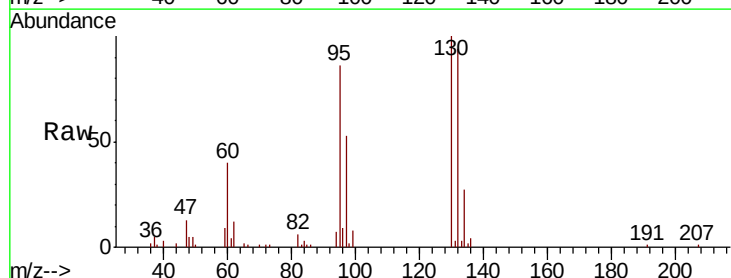
Acq: 20 Aug 2020 00:04

Tgt Ion:130 Resp: 50600

Ion Ratio Lower Upper

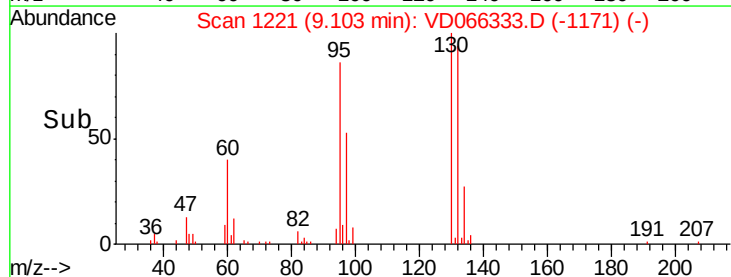
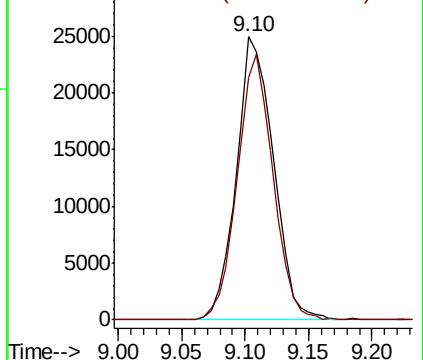
130 100

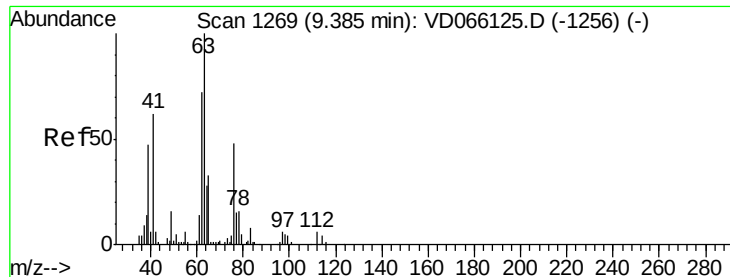
95 85.6 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

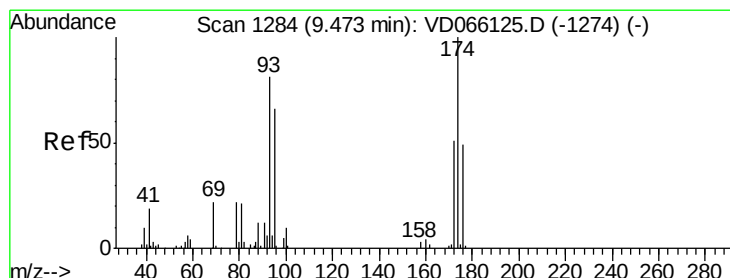
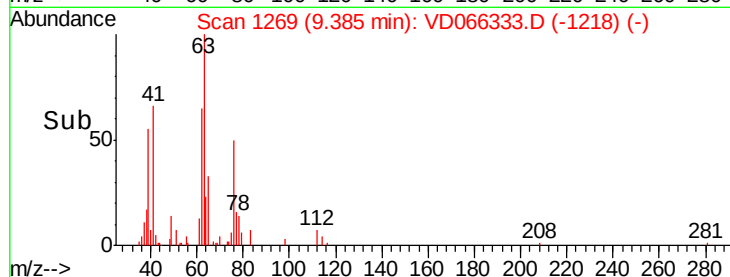
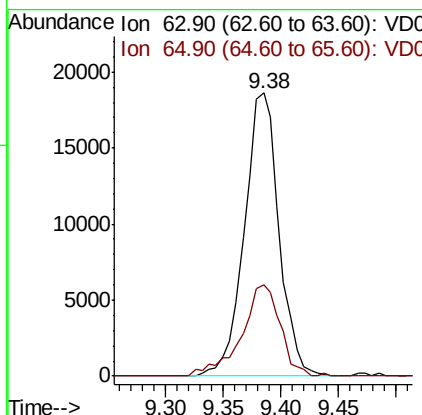
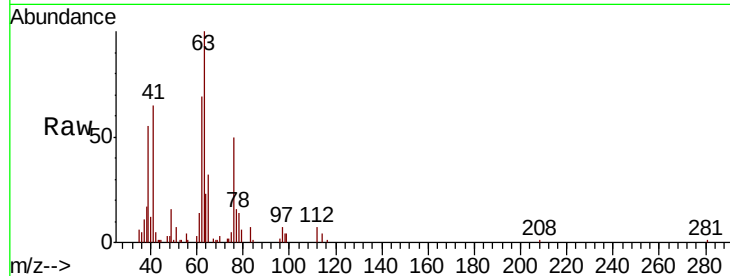




#45
 1,2-Dichloropropane
 Concen: 20.213 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

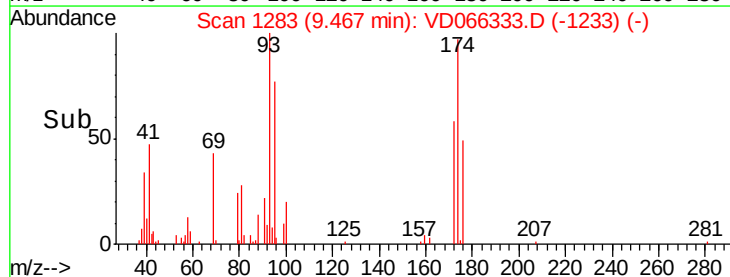
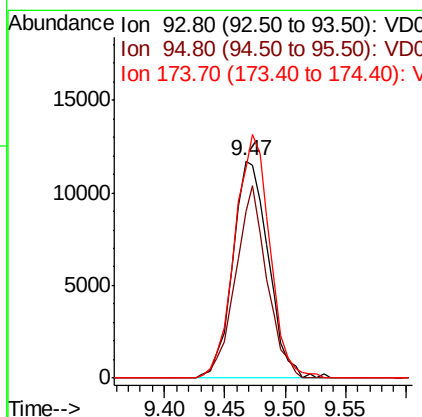
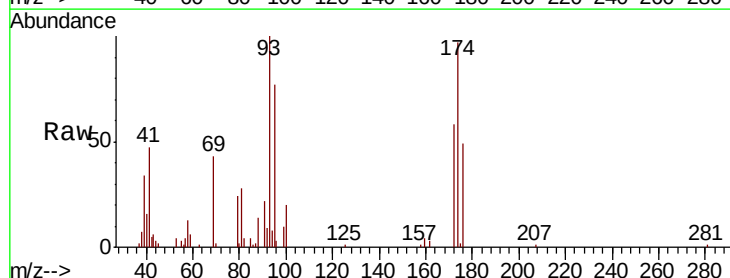
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

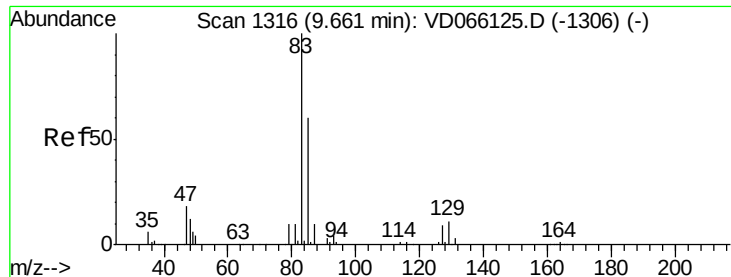
Tot Ion: 63 Resp: 38768
 Ion Ratio Lower Upper
 63 100
 65 32.3 26.5 39.7



#46
 Dibromomethane
 Concen: 22.751 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion: 93 Resp: 24036
 Ion Ratio Lower Upper
 93 100
 95 78.3 65.8 98.6
 174 110.7 92.8 139.2





#47

Bromodichloromethane

Concen: 22.441 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

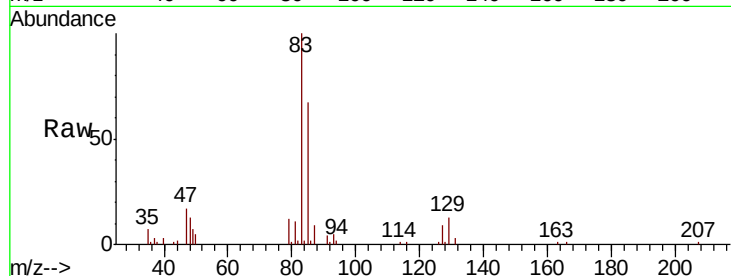
Tot Ion: 83 Resp: 62661

Ion Ratio Lower Upper

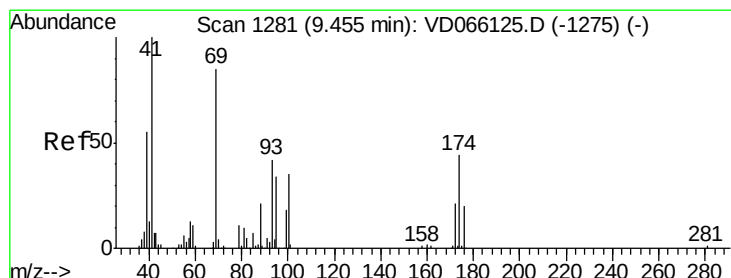
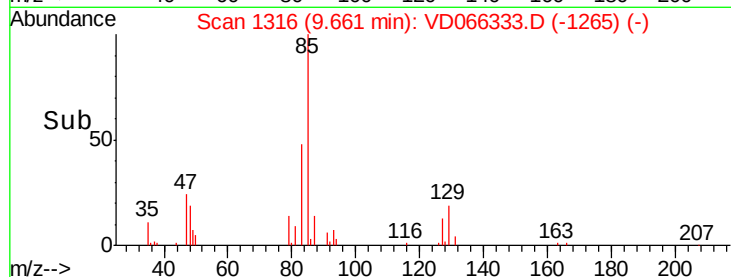
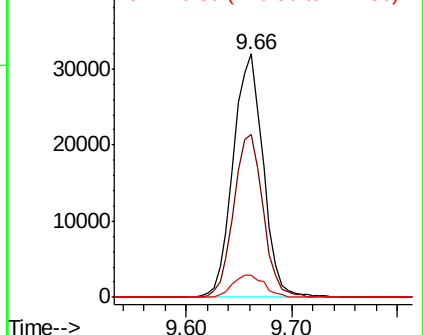
83 100

85 66.8 48.2 72.4

127 8.9 7.3 10.9



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: 18.471 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

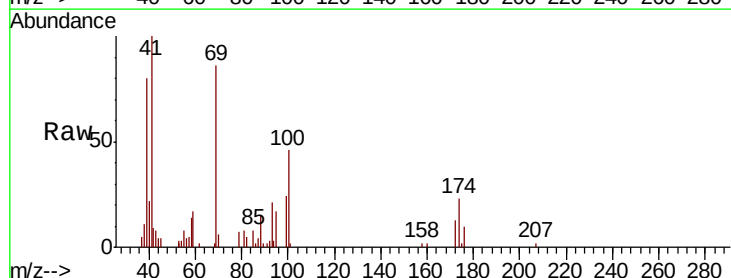
Tgt Ion: 41 Resp: 20814

Ion Ratio Lower Upper

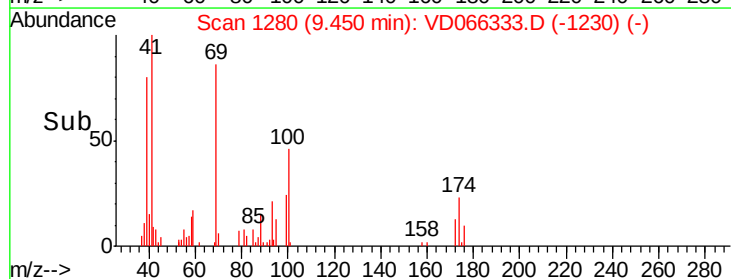
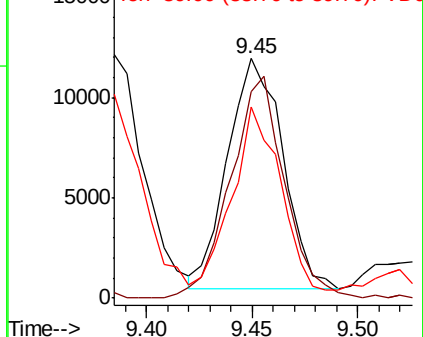
41 100

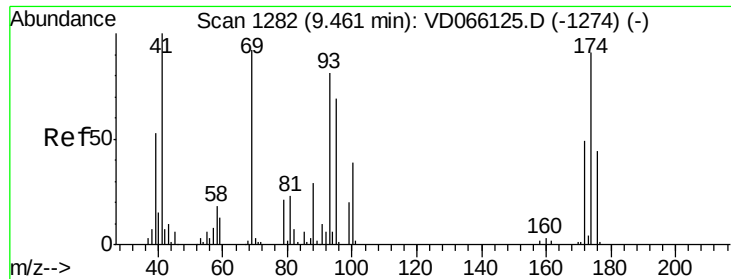
69 94.5 63.9 95.9

39 76.1 42.6 64.0#



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: 372.135 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

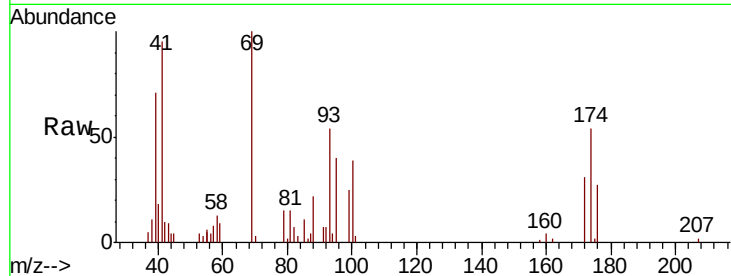
Tot Ion: 88 Resp: 5051

Ion Ratio Lower Upper

88 100

43 38.2 27.5 41.3

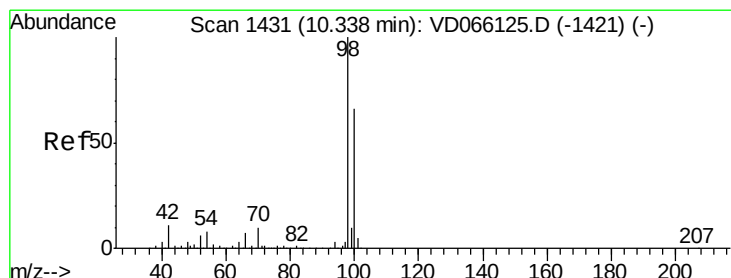
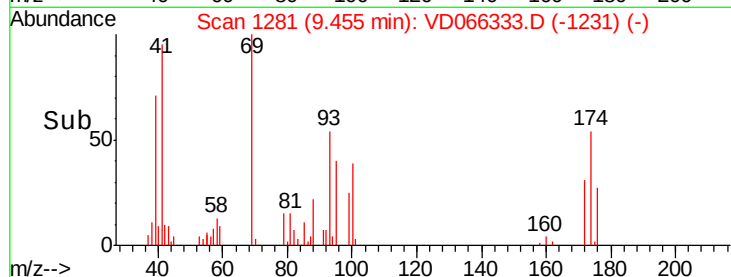
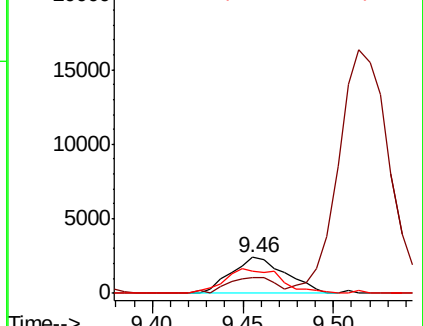
58 70.8 50.2 75.4



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: 51.159 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066333.D

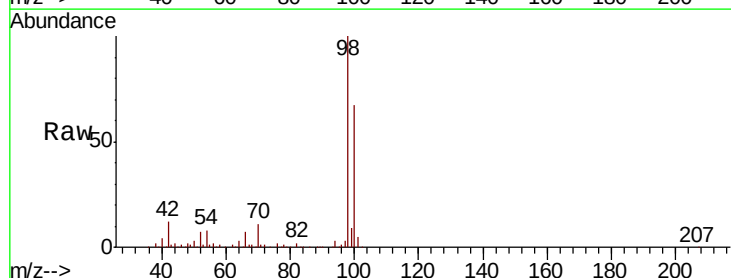
Acq: 20 Aug 2020 00:04

Tgt Ion: 98 Resp: 359790

Ion Ratio Lower Upper

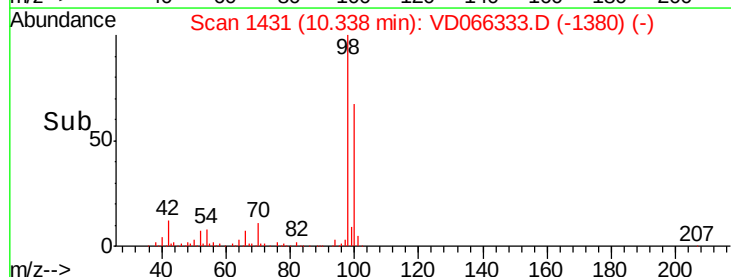
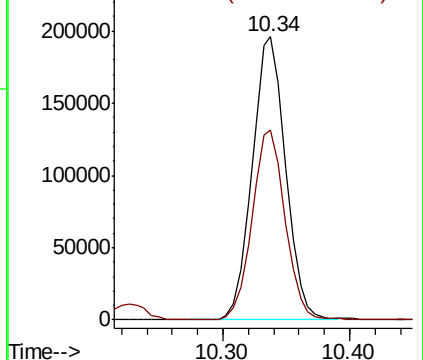
98 100

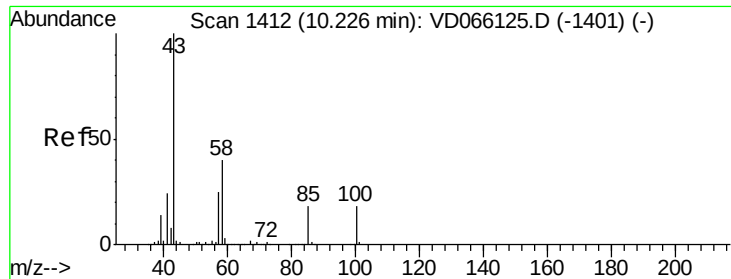
100 66.6 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

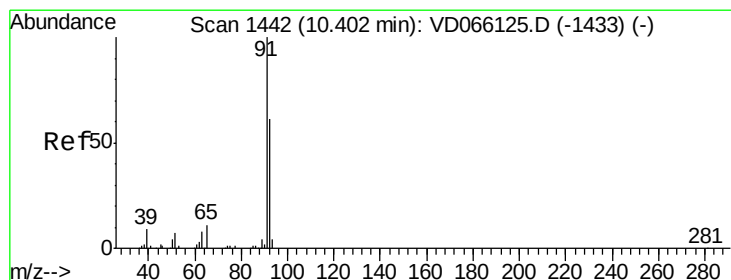
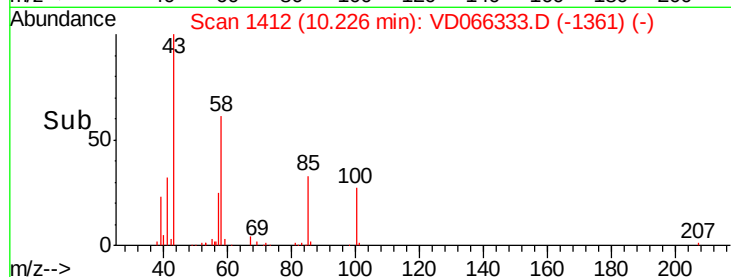
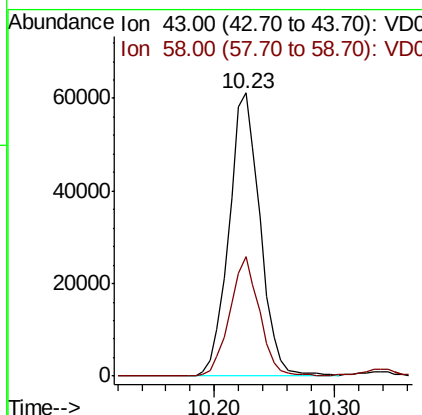
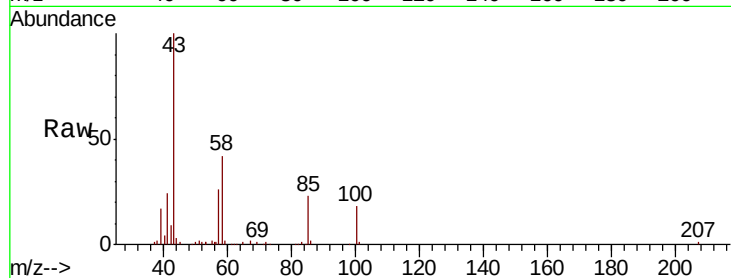




#51
 4-Methyl-2-Pentanone
 Concen: 96.833 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

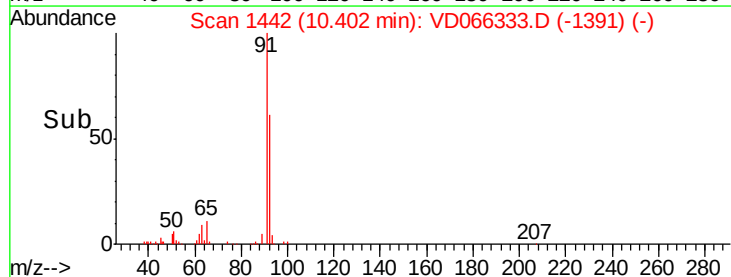
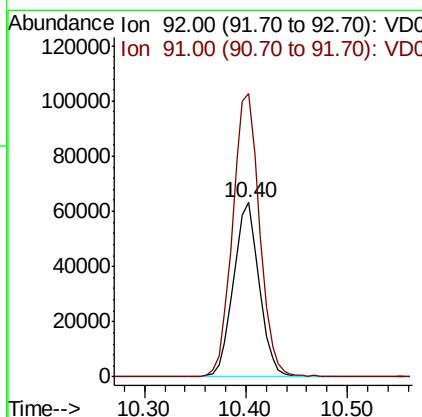
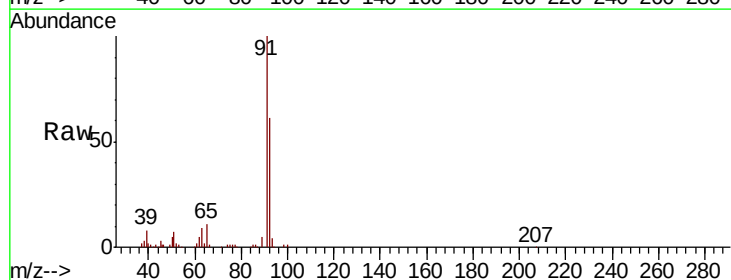
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

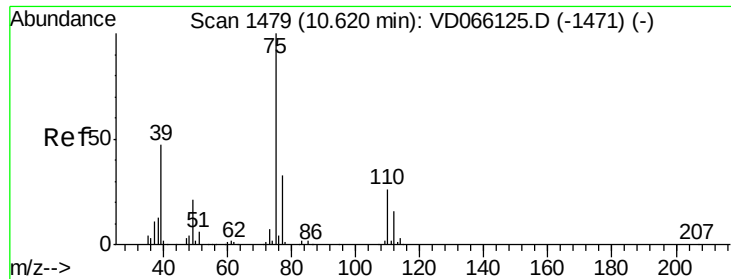
Tot Ion: 43 Resp: 109768
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.1 46.7



#52
 Toluene
 Concen: 21.680 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion: 92 Resp: 111874
 Ion Ratio Lower Upper
 92 100
 91 170.3 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 21.727 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

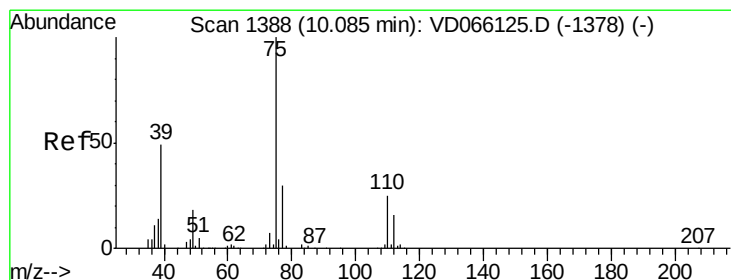
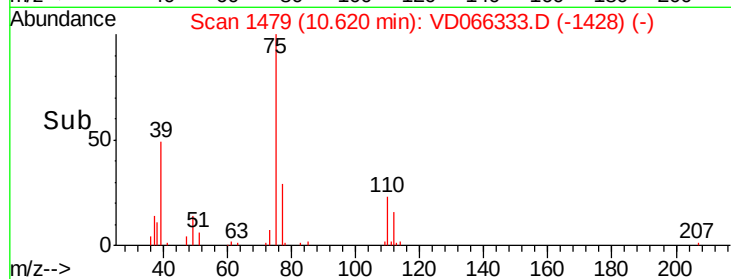
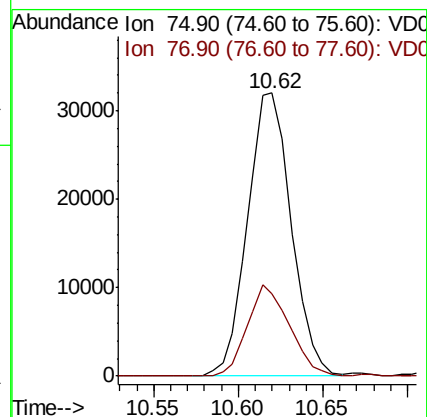
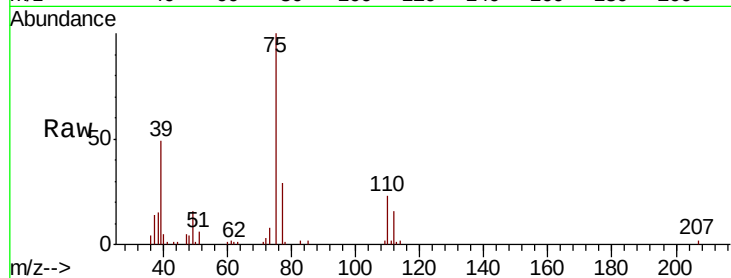
VD0819SBS02

Tot Ion: 75 Resp: 57574

Ion Ratio Lower Upper

75 100

77 29.3 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 20.399 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

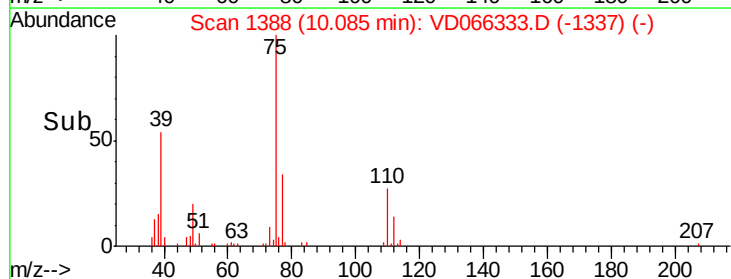
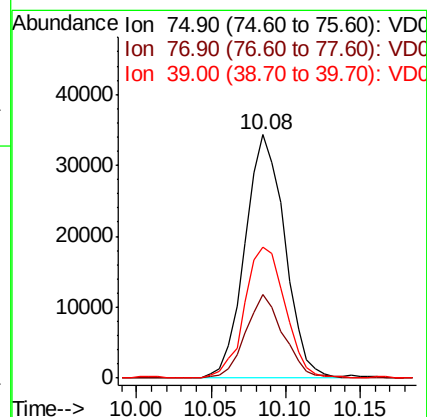
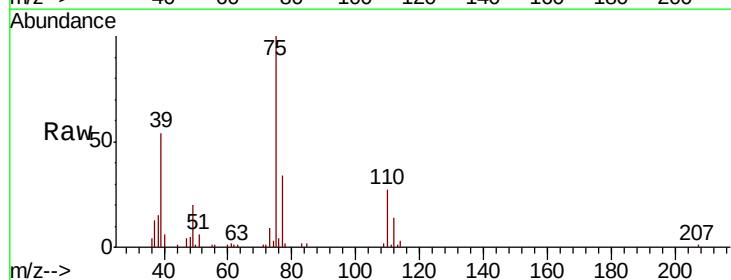
Tgt Ion: 75 Resp: 63331

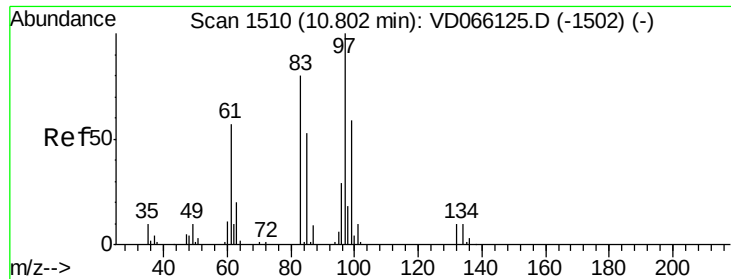
Ion Ratio Lower Upper

75 100

77 34.4 24.3 36.5

39 53.8 39.3 58.9

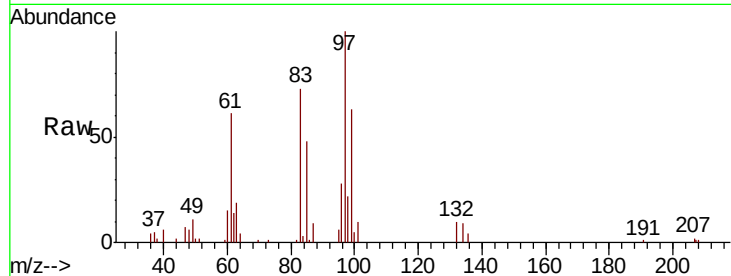




#55
 1,1,2-Trichloroethane
 Concen: 21.381 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion:	97	Resp:	32527
Ion	Ratio	Lower	Upper
97	100		
83	72.6	63.9	95.9
85	47.7	42.5	63.7
99	62.8	47.4	71.0



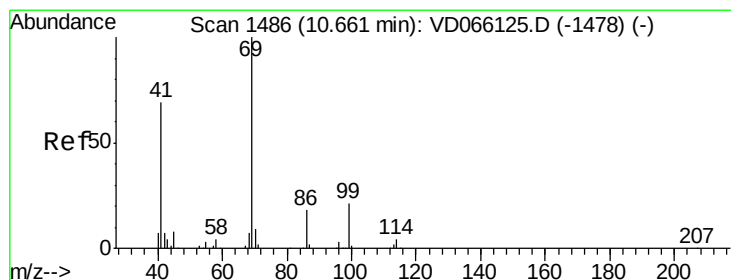
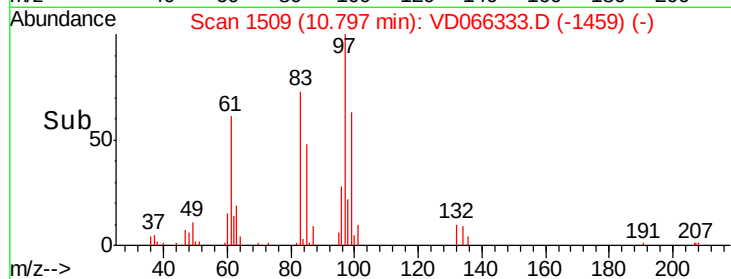
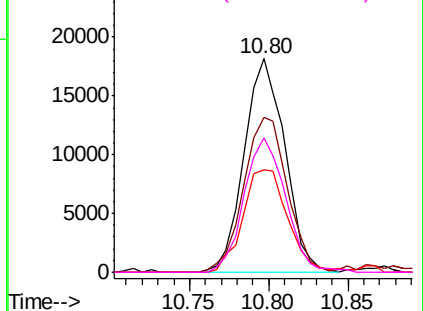
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

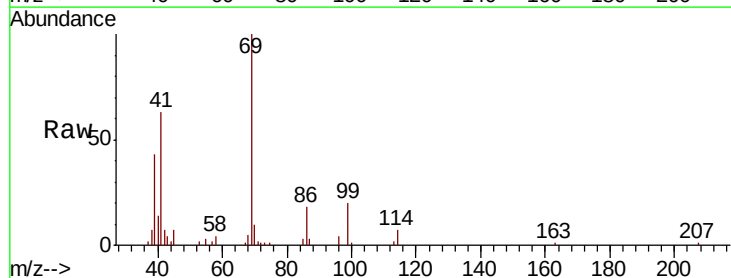
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 21.176 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion:	69	Resp:	38698
Ion	Ratio	Lower	Upper
69	100		
41	63.6	54.1	81.1
39	35.6	28.6	43.0

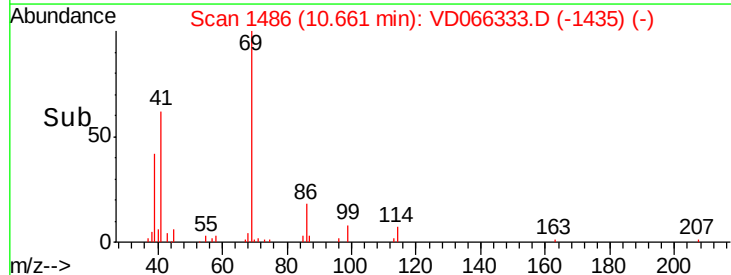
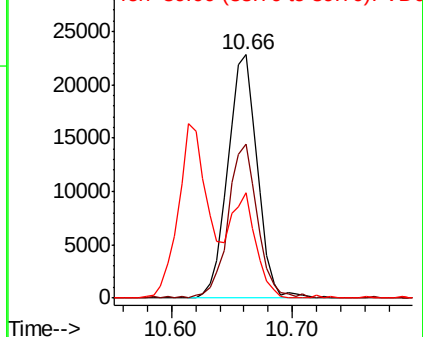


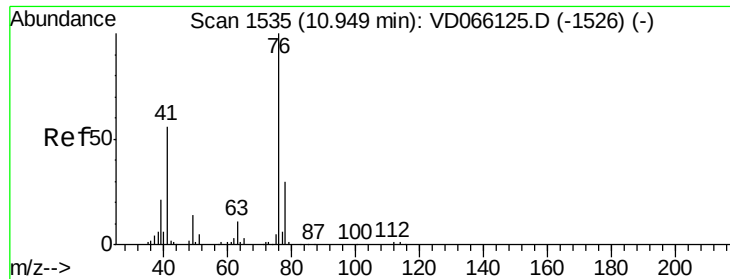
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 20.144 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

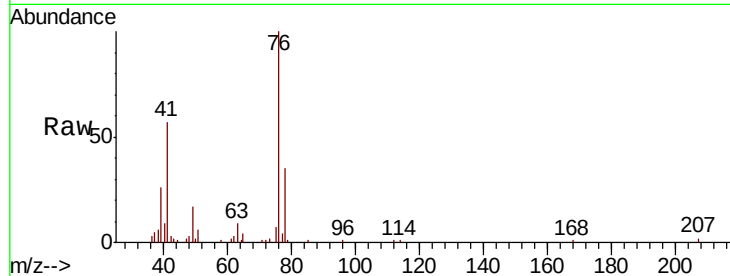
VD0819SBS02

Tot Ion: 76 Resp: 50875

Ion Ratio Lower Upper

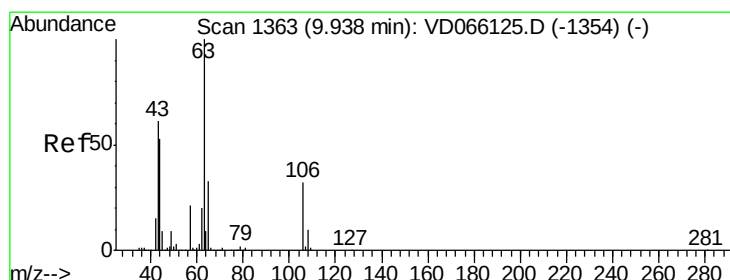
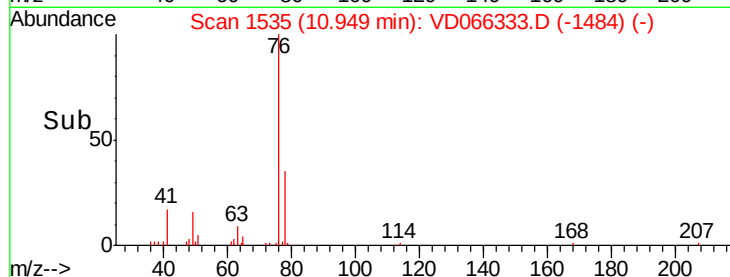
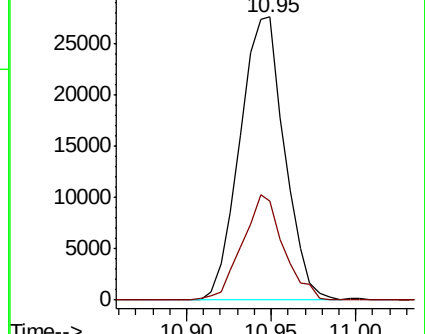
76 100

78 34.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 109.901 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066333.D

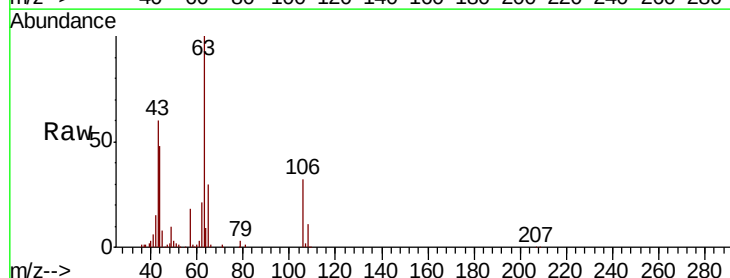
Acq: 20 Aug 2020 00:04

Tgt Ion: 63 Resp: 90342

Ion Ratio Lower Upper

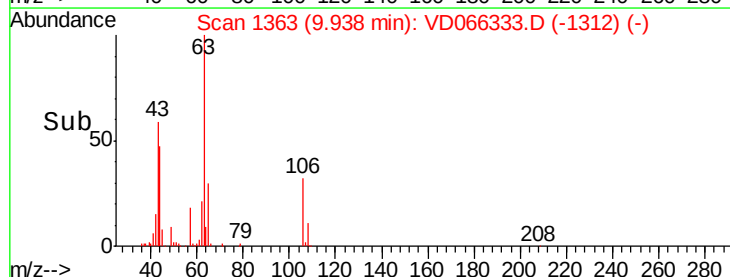
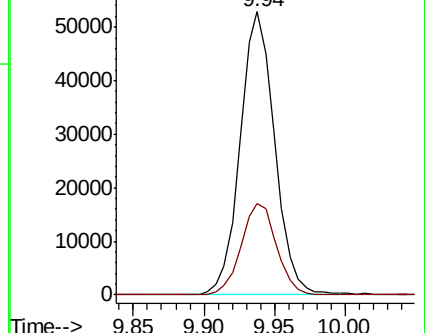
63 100

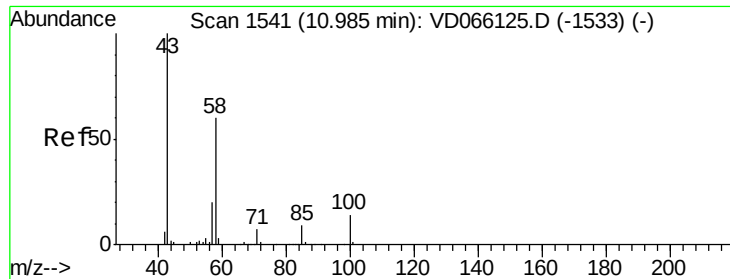
106 33.1 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

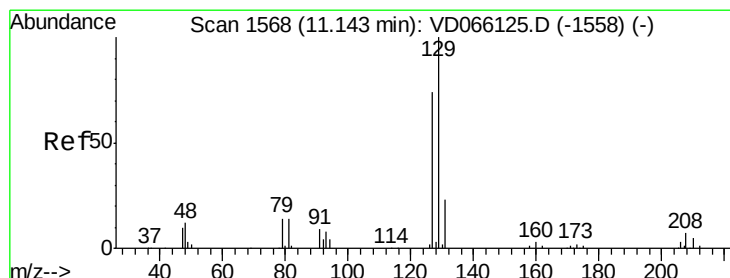
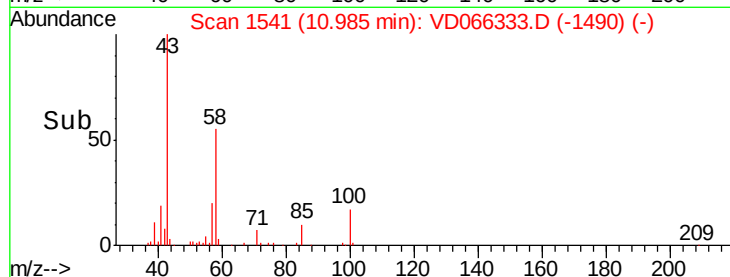
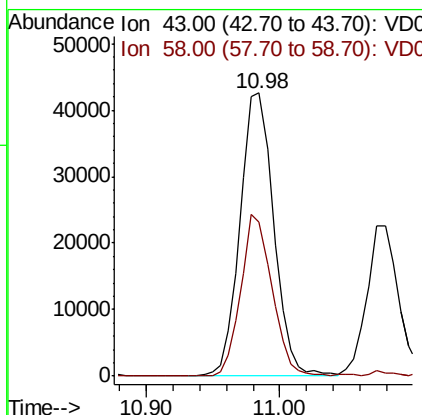
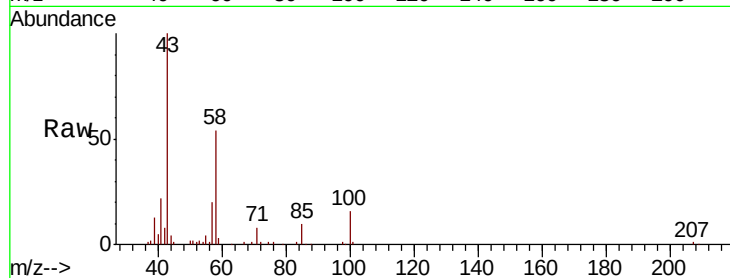




#59
2-Hexanone
Concen: 93.640 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

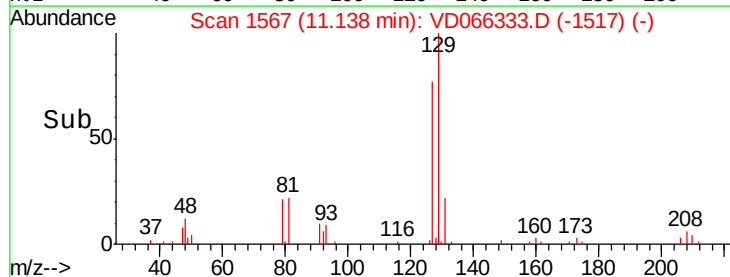
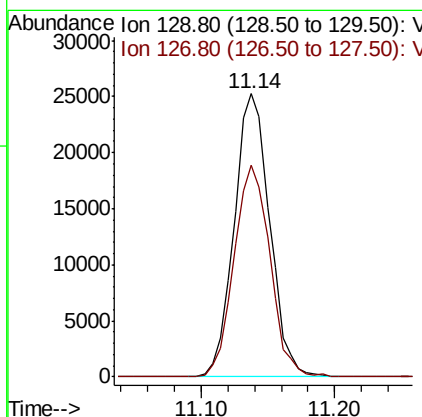
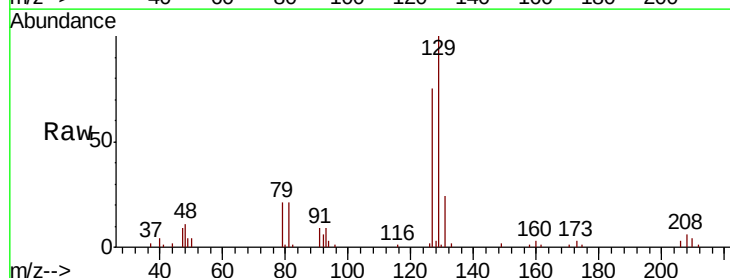
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

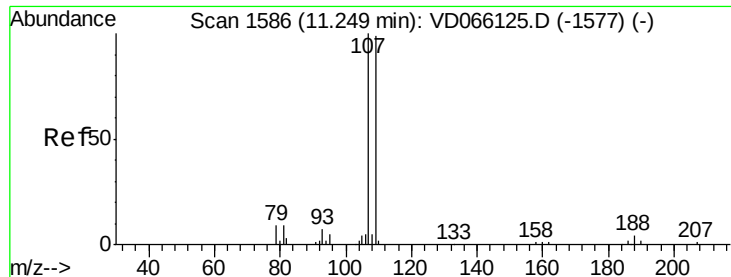
Tot Ion: 43 Resp: 74497
Ion Ratio Lower Upper
43 100
58 52.9 27.8 83.4



#60
Dibromochloromethane
Concen: 22.111 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion: 129 Resp: 46439
Ion Ratio Lower Upper
129 100
127 75.9 38.0 114.1

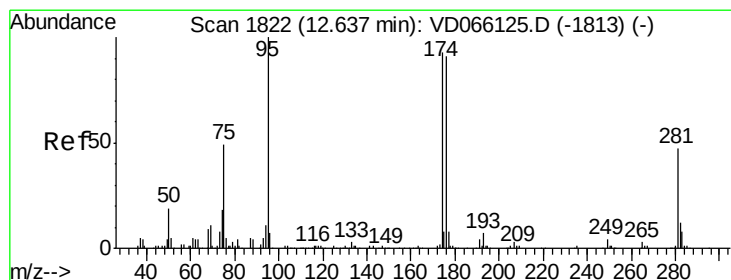
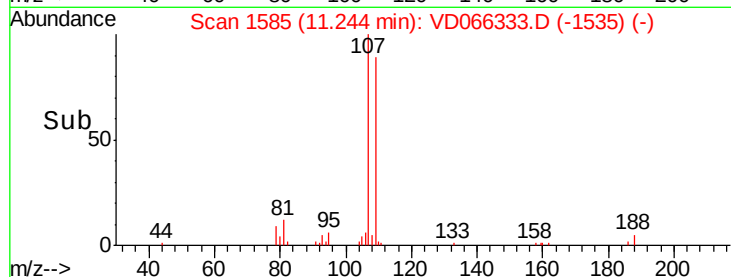
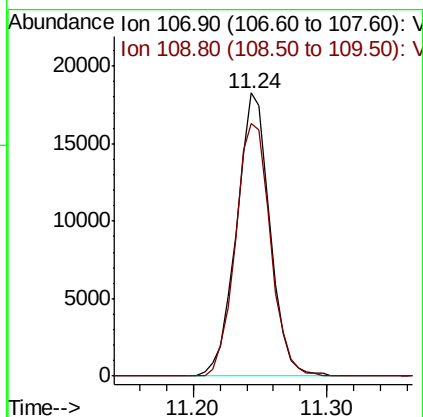
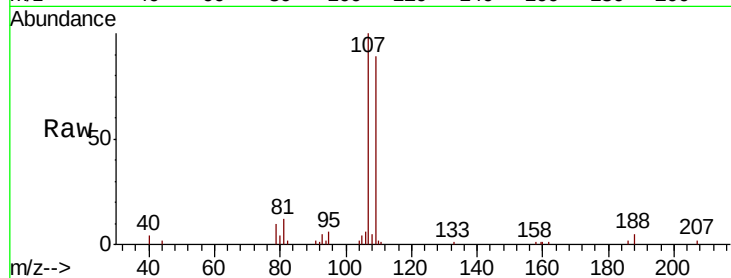




#61
 1,2-Dibromoethane
 Concen: 21.540 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

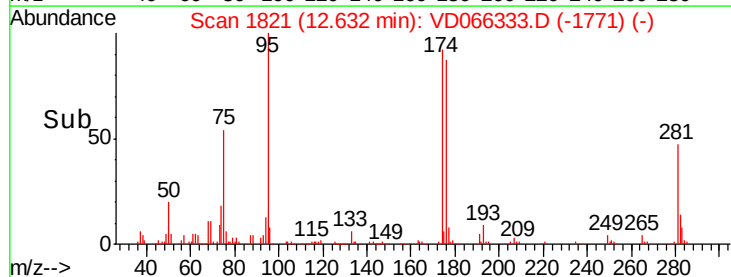
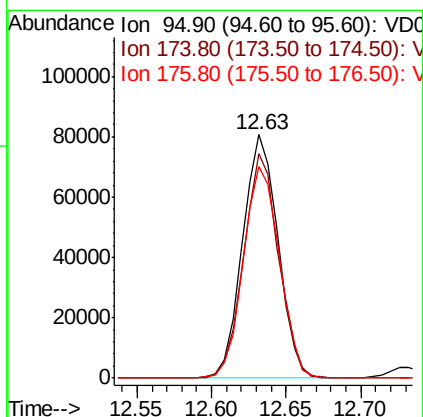
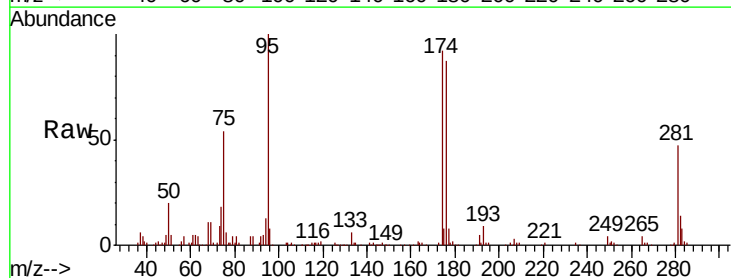
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

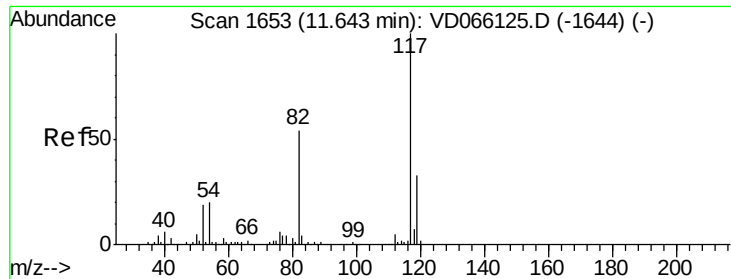
Tot Ion:107 Resp: 31514
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 52.095 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion: 95 Resp: 132063
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 180.8
 176 89.1 0.0 181.2

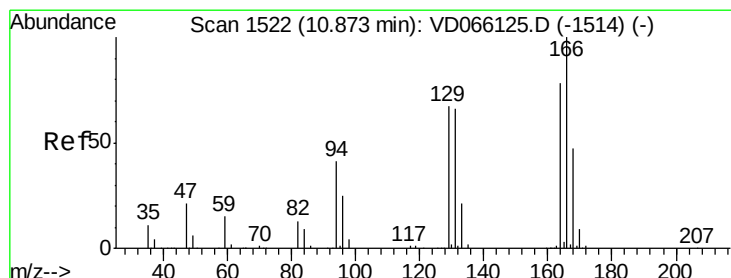
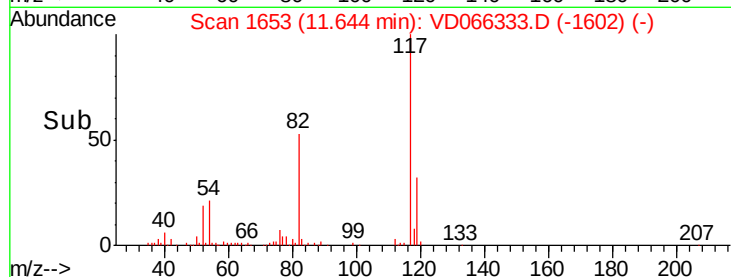
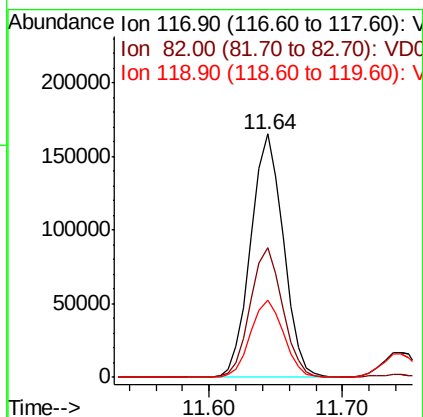
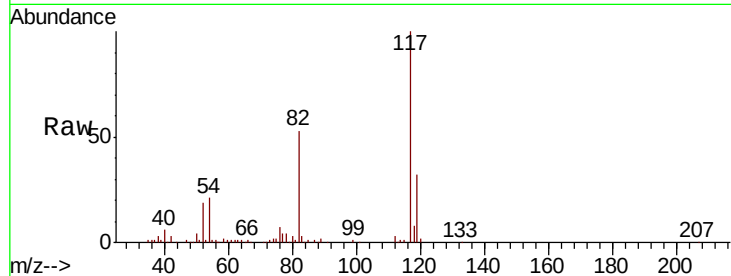




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

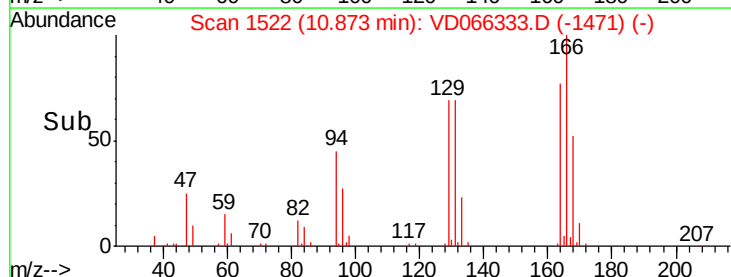
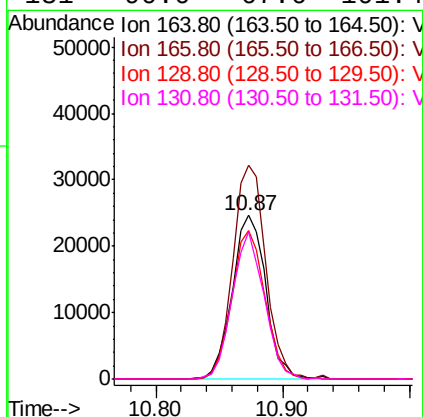
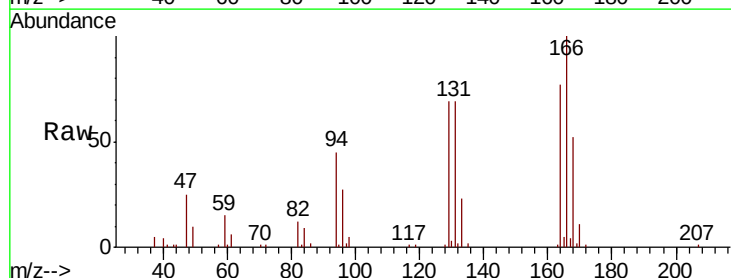
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

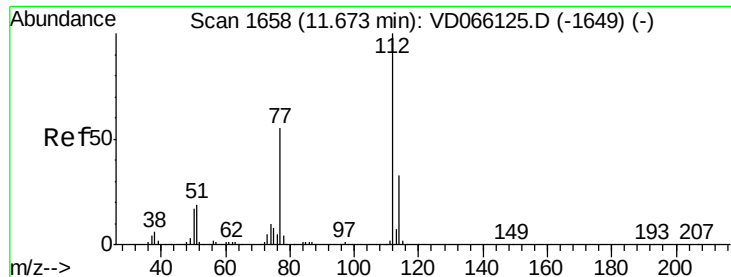
Tot Ion:117 Resp: 279214
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 31.8 26.1 39.1



#64
Tetrachloroethene
Concen: 20.944 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion:164 Resp: 44905
Ion Ratio Lower Upper
164 100
166 130.6 101.9 152.9
129 90.7 68.1 102.1
131 90.0 67.6 101.4

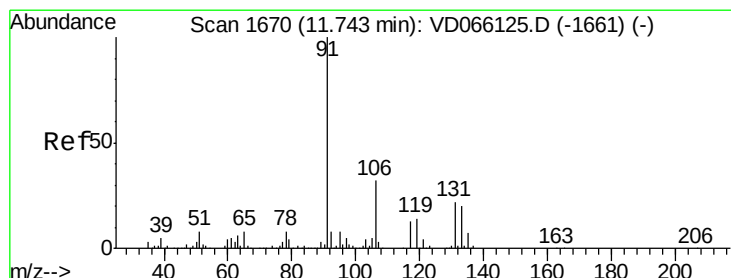
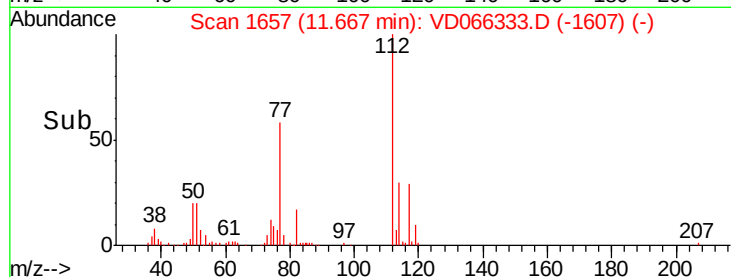
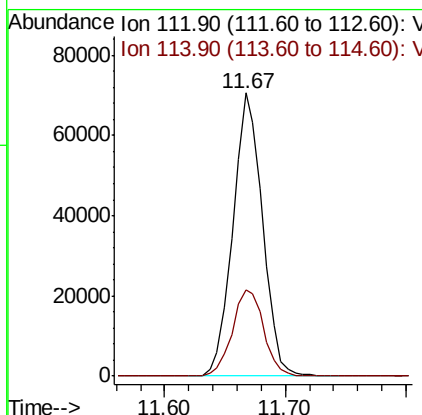
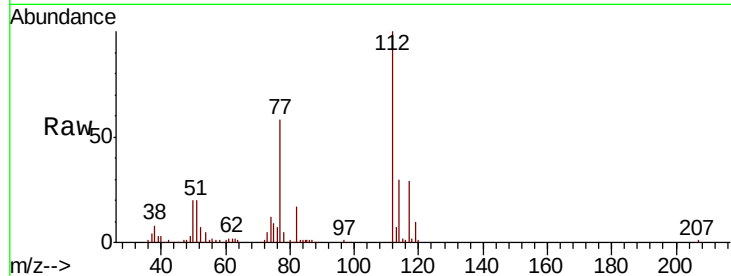




#65
Chlorobenzene
Concen: 21.190 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

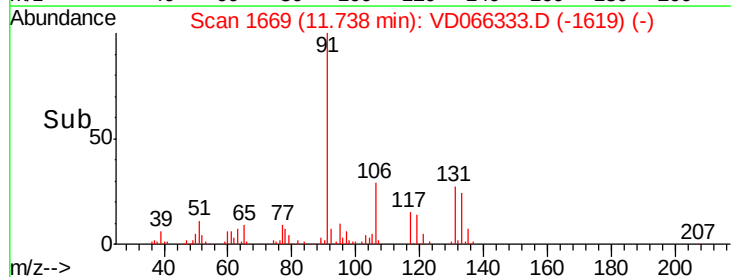
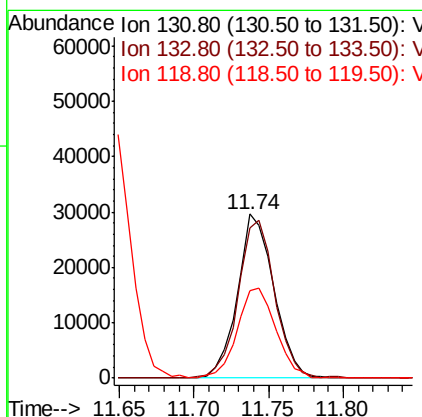
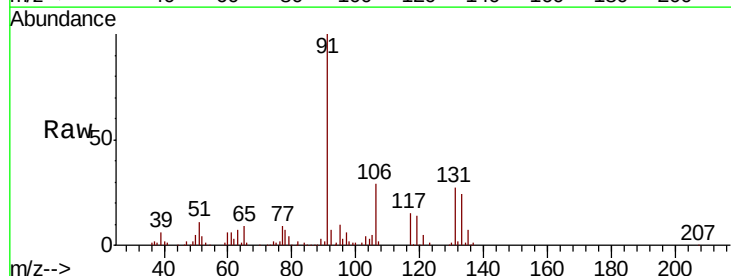
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

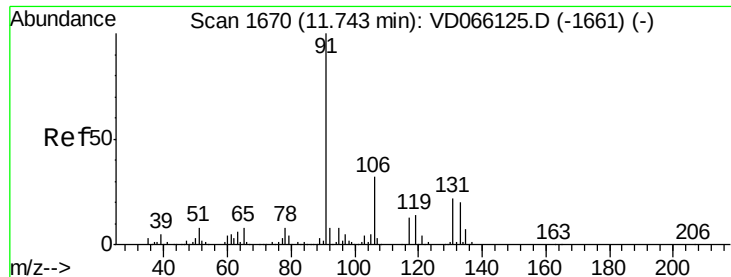
Tot Ion:112 Resp: 120108
Ion Ratio Lower Upper
112 100
114 30.4 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 22.511 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion:131 Resp: 49924
Ion Ratio Lower Upper
131 100
133 97.6 47.1 141.4
119 58.0 31.6 94.7

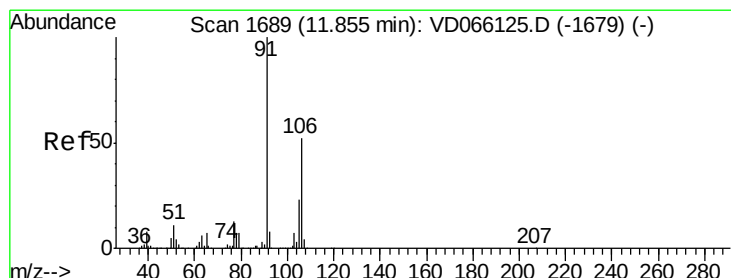
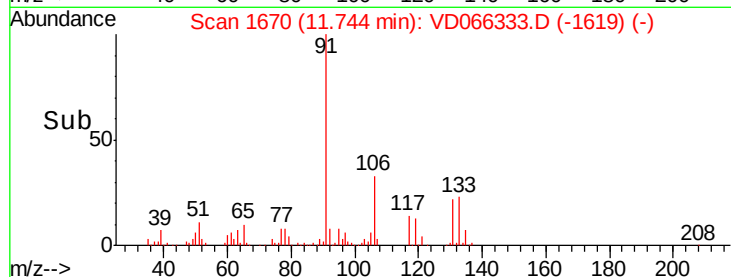
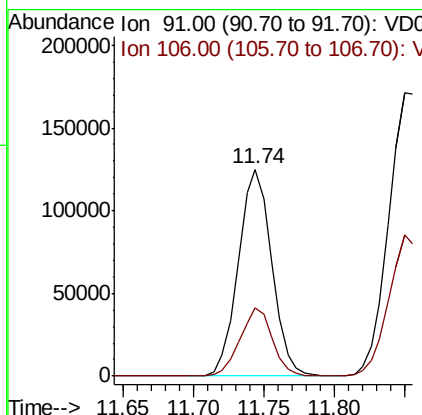
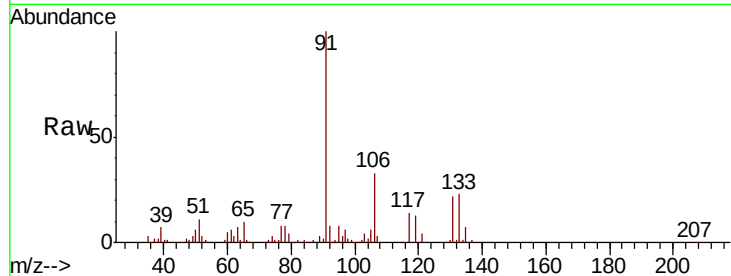




#67
Ethyl Benzene
Concen: 21.080 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

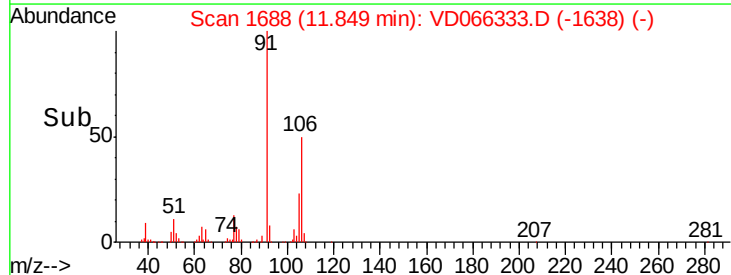
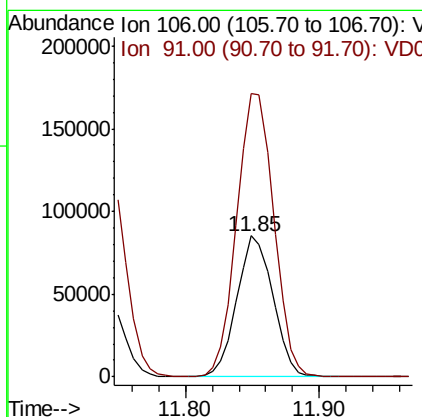
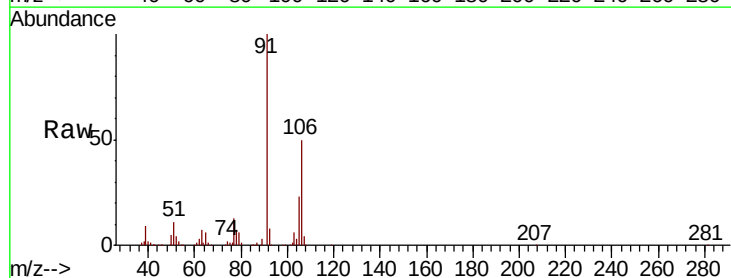
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

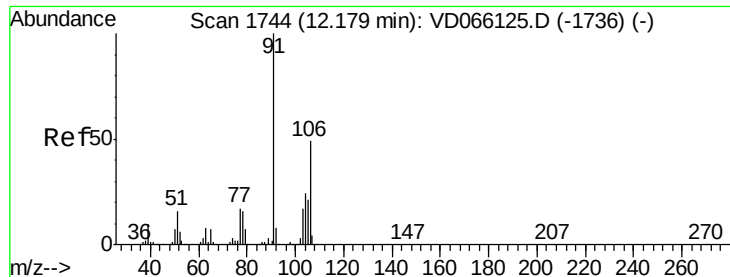
Tot Ion: 91 Resp: 207051
Ion Ratio Lower Upper
91 100
106 32.8 25.7 38.5



#68
m/p-Xylenes
Concen: 42.148 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion: 106 Resp: 160399
Ion Ratio Lower Upper
106 100
91 205.7 156.6 235.0

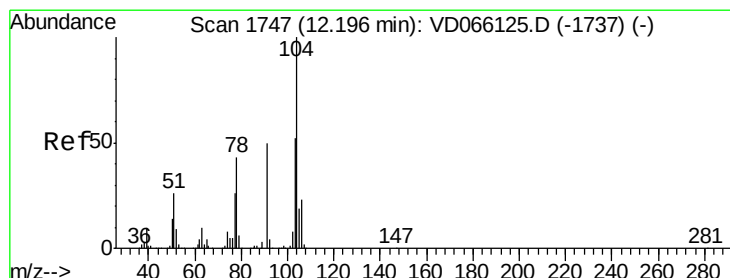
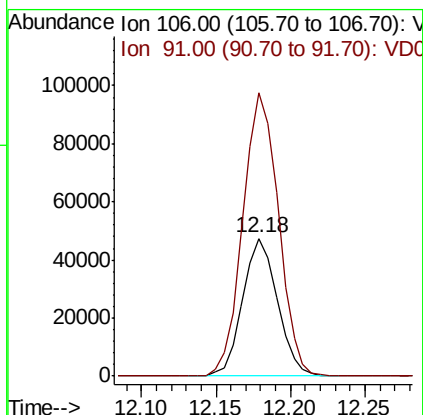
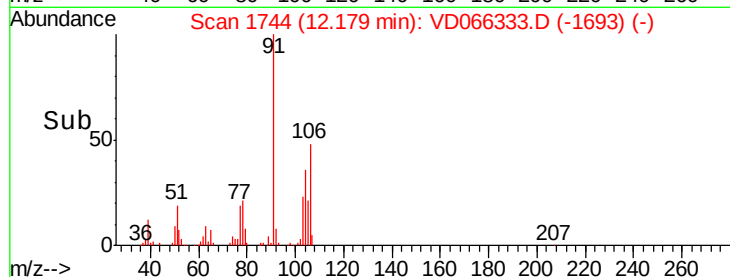
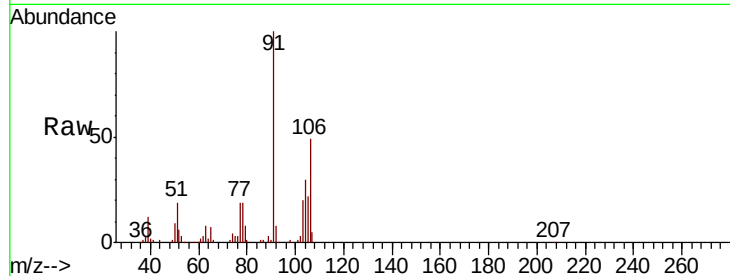




#69
o-Xylene
Concen: 22.173 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

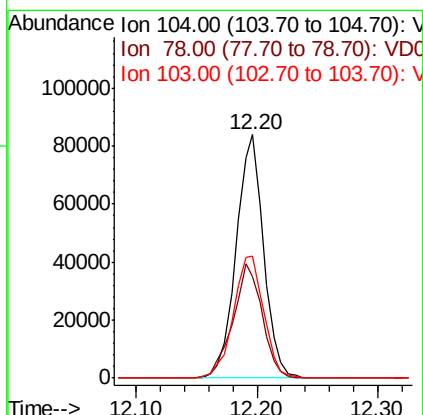
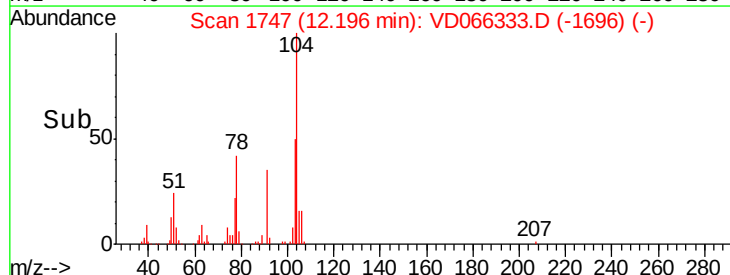
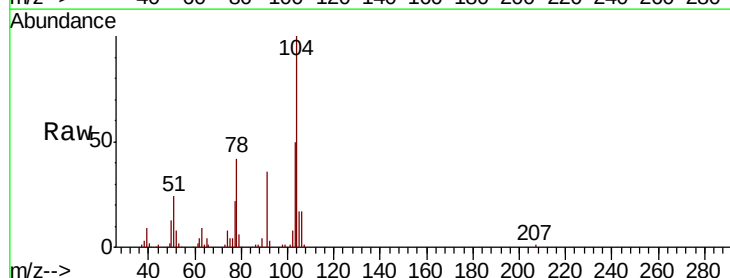
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

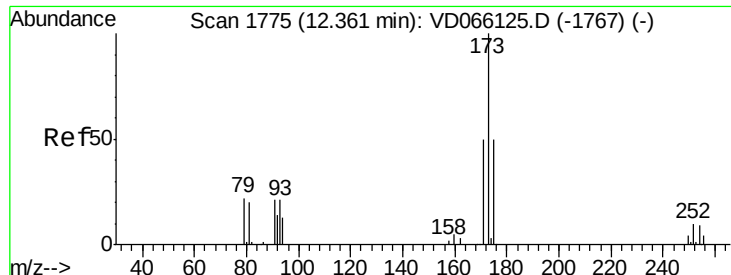
Tot Ion:106 Resp: 76760
Ion Ratio Lower Upper
106 100
91 210.4 105.7 317.1



#70
Styrene
Concen: 21.875 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion:104 Resp: 132712
Ion Ratio Lower Upper
104 100
78 49.9 38.6 58.0
103 55.6 44.1 66.1





#71

Bromoform

Concen: 21.929 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

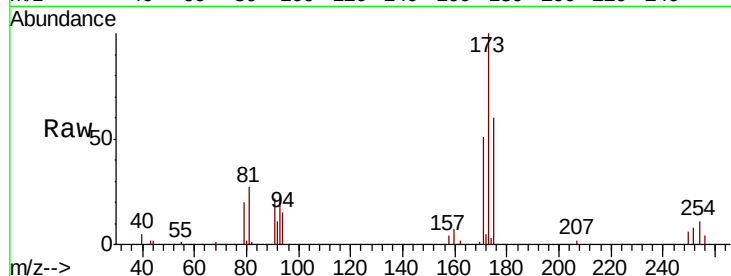
Tot Ion:173 Resp: 28814

Ion Ratio Lower Upper

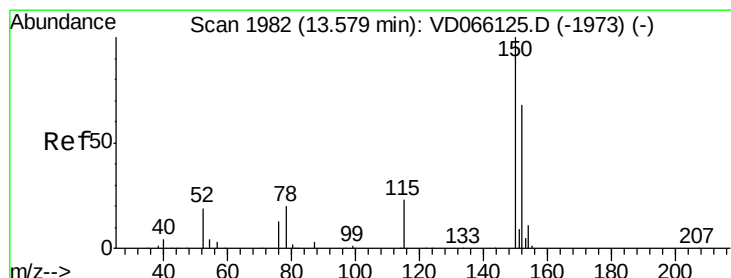
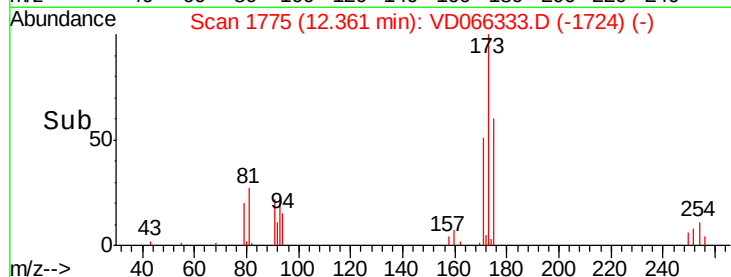
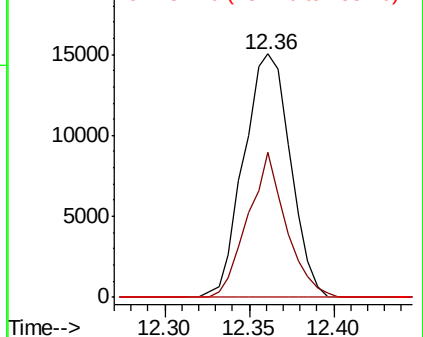
173 100

175 49.0 24.6 73.6

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

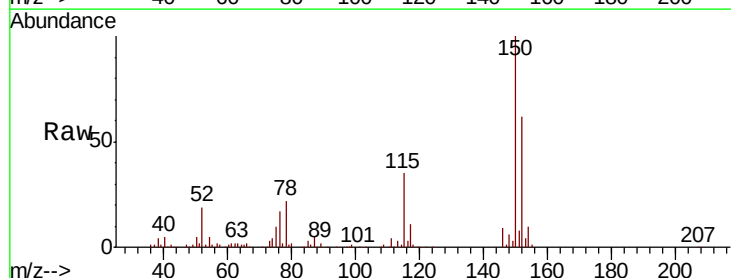
Tgt Ion:152 Resp: 144894

Ion Ratio Lower Upper

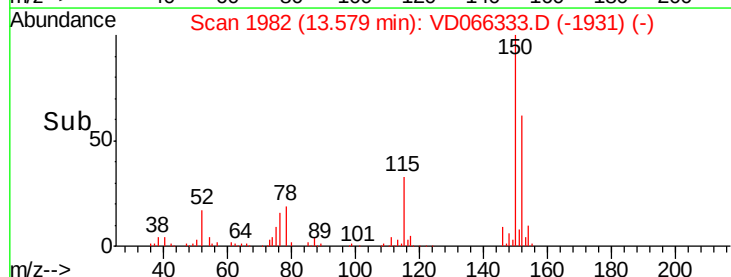
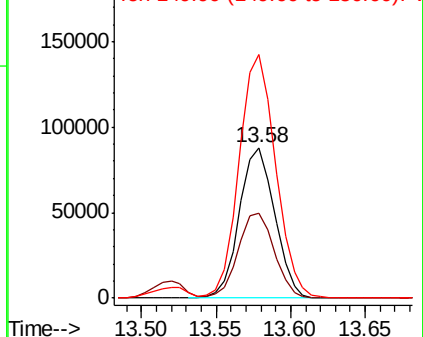
152 100

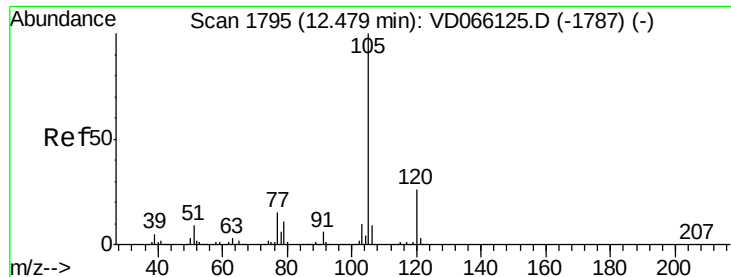
115 57.3 28.0 83.9

150 167.1 0.0 346.4



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





#73

Isopropylbenzene

Concen: 21.261 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

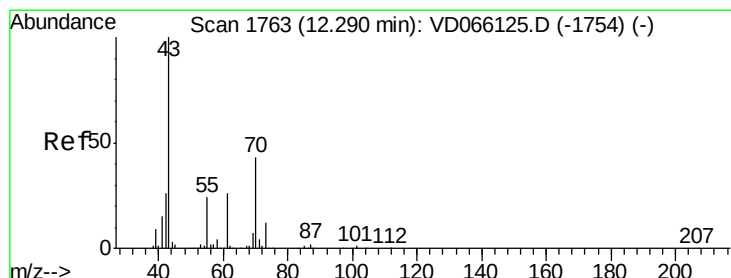
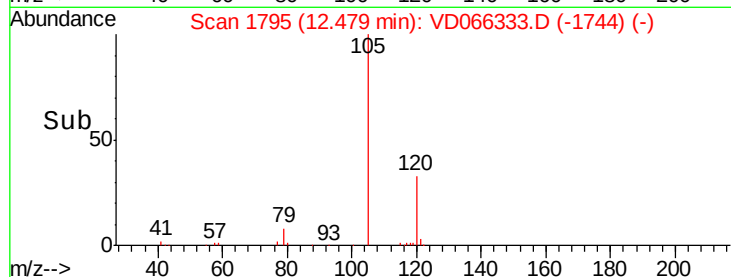
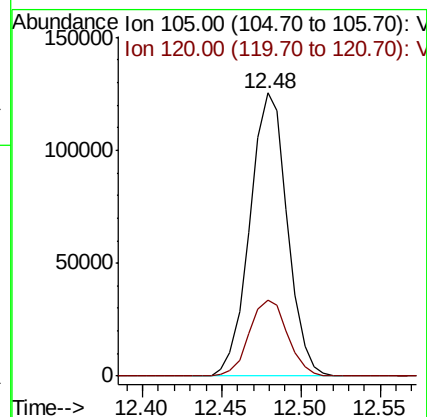
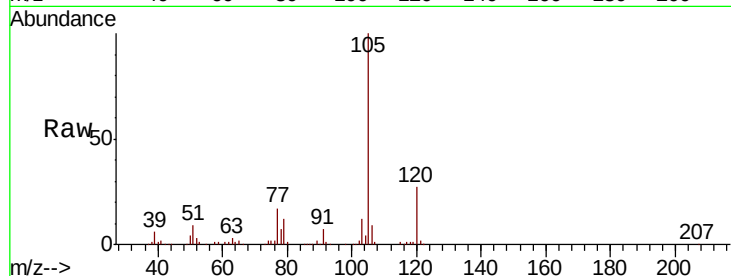
VD0819SBS02

Tot Ion:105 Resp: 205639

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.9



#74

N-ethyl acetate

Concen: 18.915 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Tgt Ion: 43 Resp: 40285

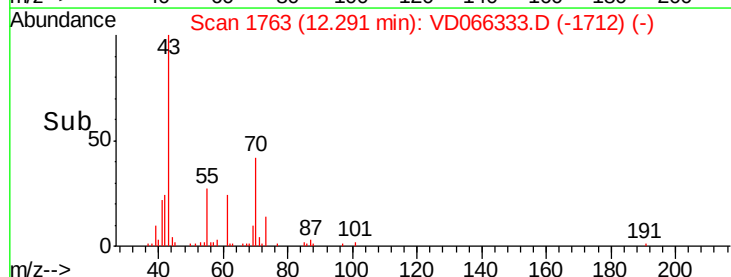
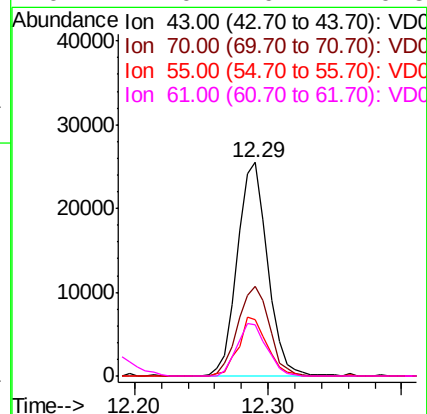
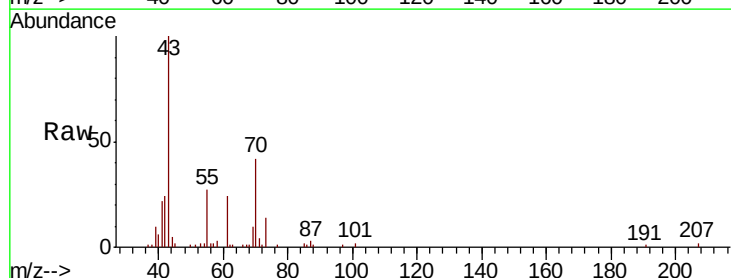
Ion Ratio Lower Upper

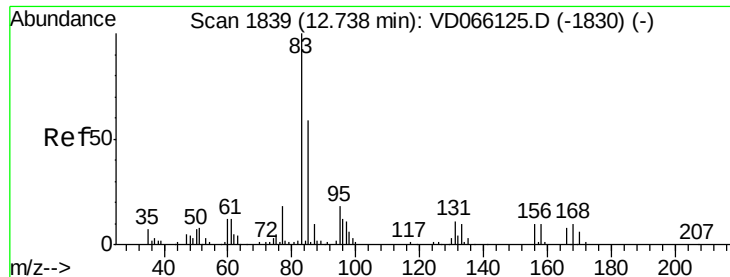
43 100

70 43.8 34.9 52.3

55 25.9 19.2 28.8

61 24.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.877 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

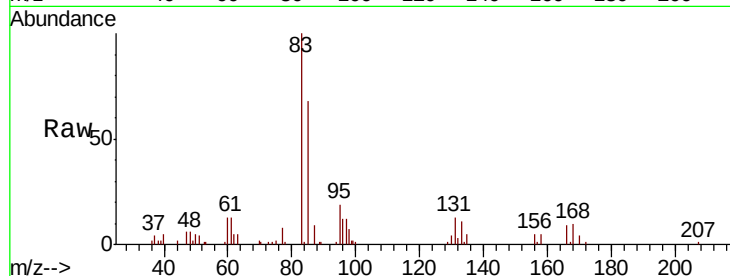
Tot Ion: 83 Resp: 32782

Ion Ratio Lower Upper

83 100

131 13.0 6.2 18.6

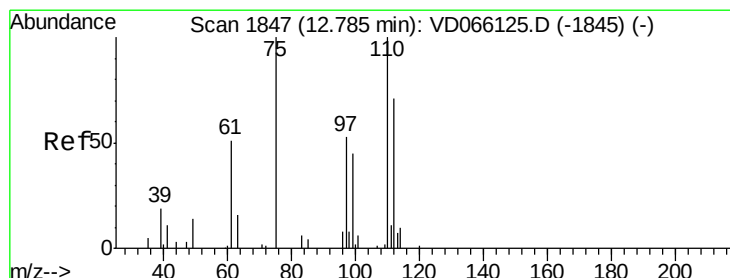
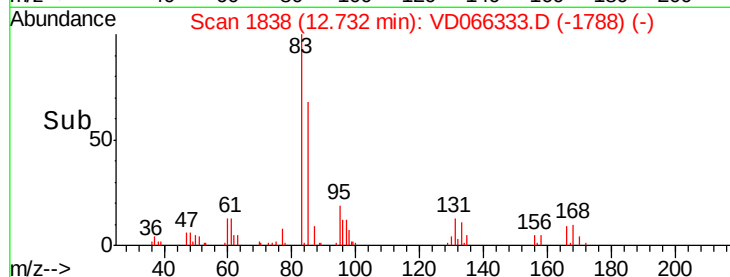
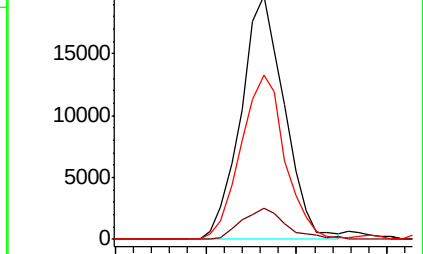
85 68.4 32.4 97.2



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: 37.658 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066333.D

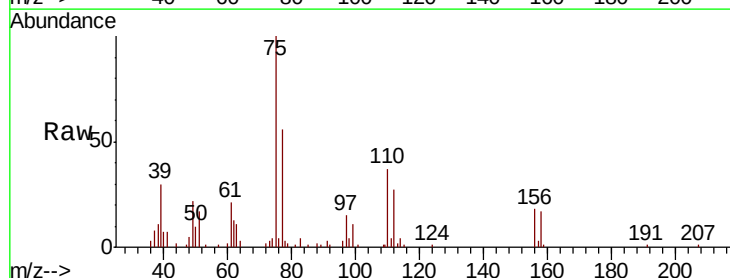
Acq: 20 Aug 2020 00:04

Tgt Ion: 75 Resp: 45503

Ion Ratio Lower Upper

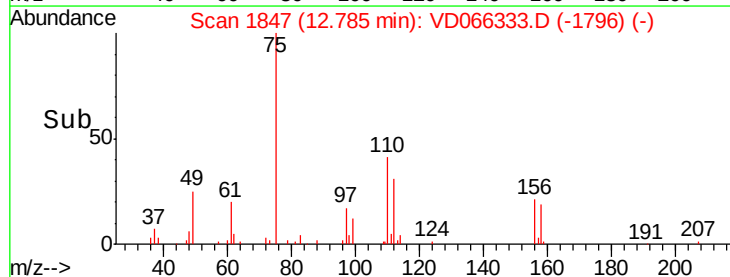
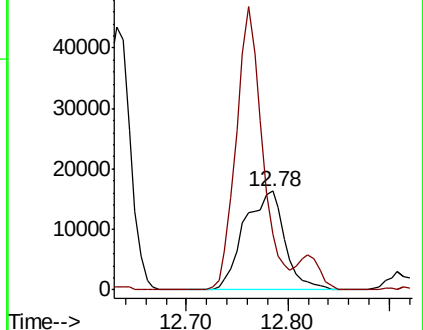
75 100

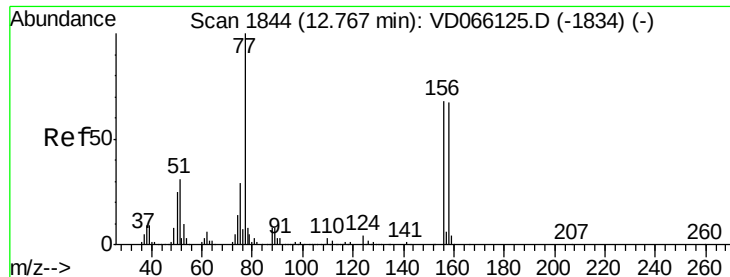
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.052 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

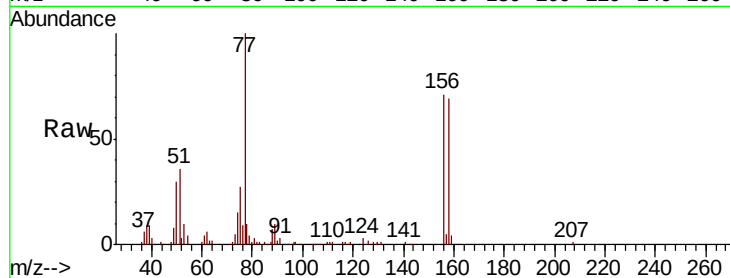
Tot Ion:156 Resp: 54905

Ion Ratio Lower Upper

156 100

77 154.9 81.0 243.1

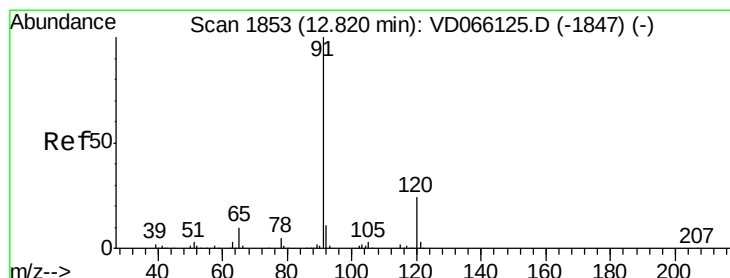
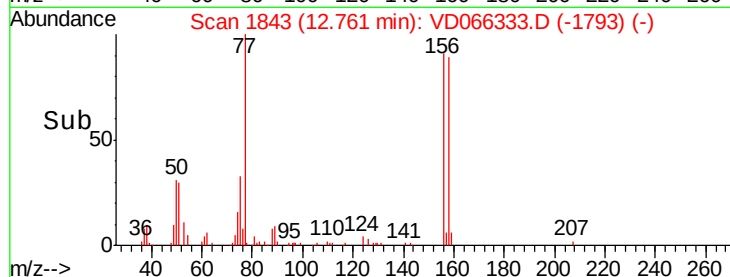
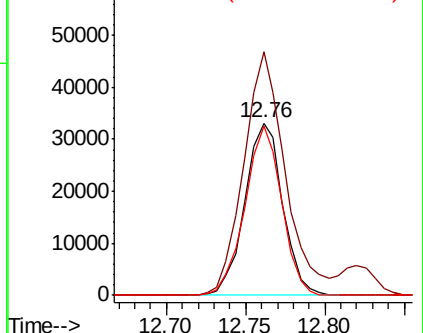
158 95.4 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.399 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066333.D

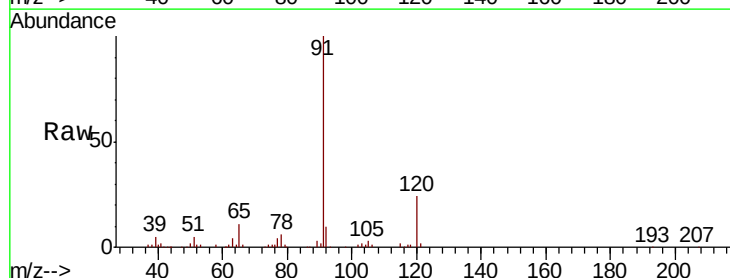
Acq: 20 Aug 2020 00:04

Tgt Ion: 91 Resp: 240594

Ion Ratio Lower Upper

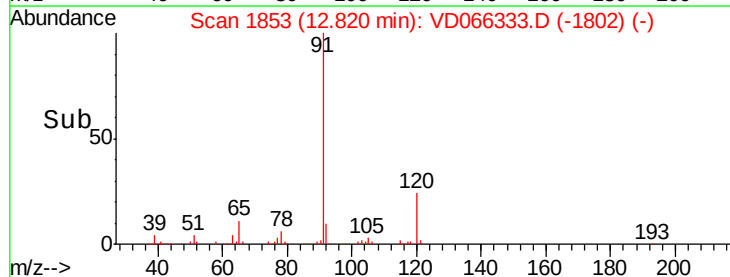
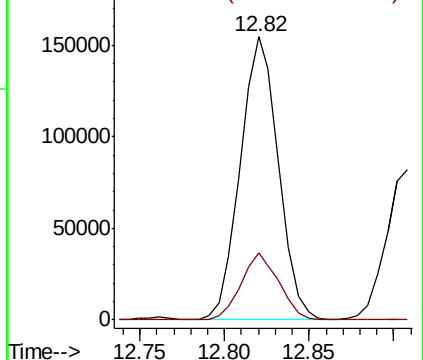
91 100

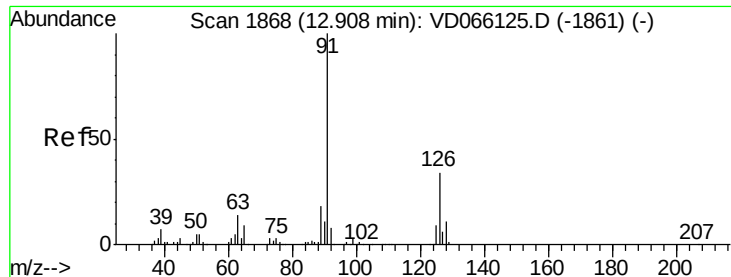
120 23.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

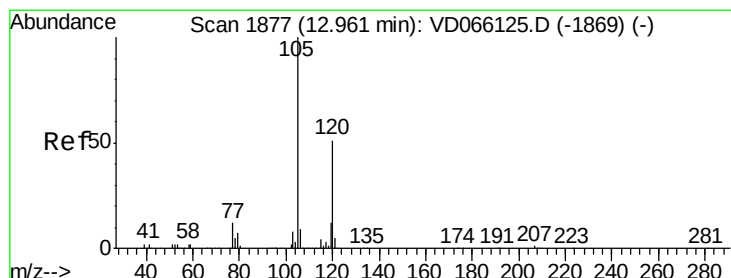
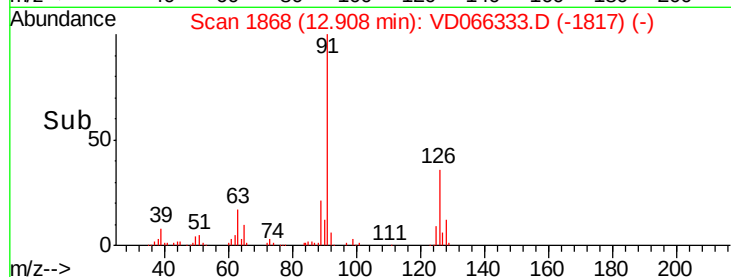
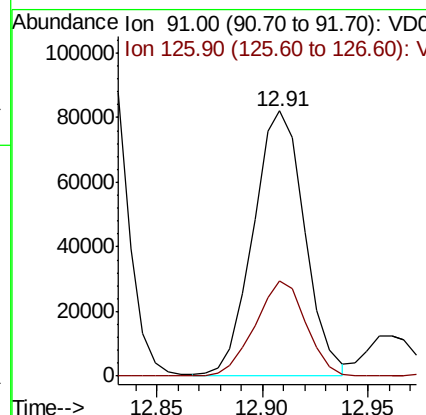
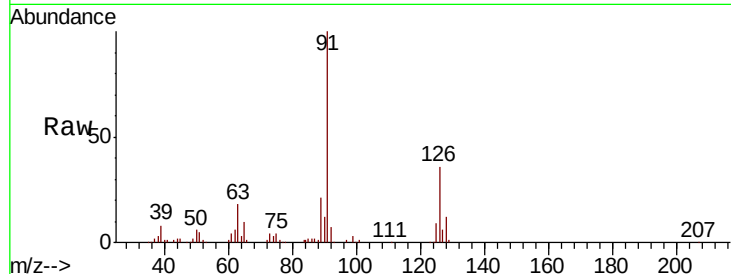




#79
 2-Chlorotoluene
 Concen: 21.487 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

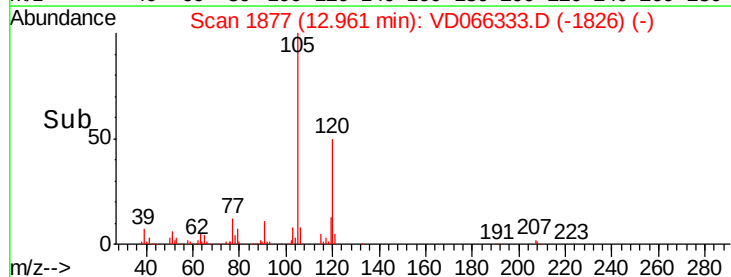
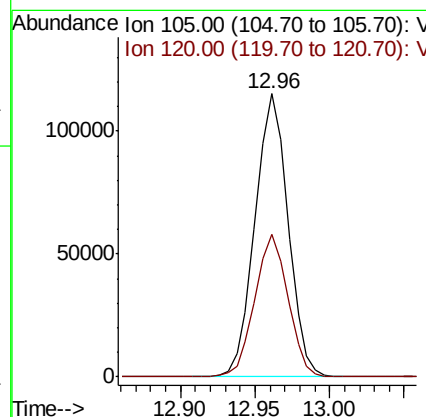
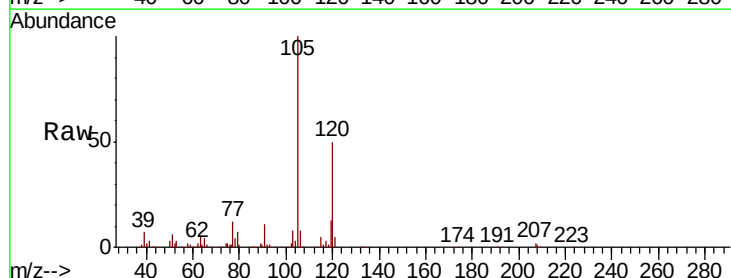
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

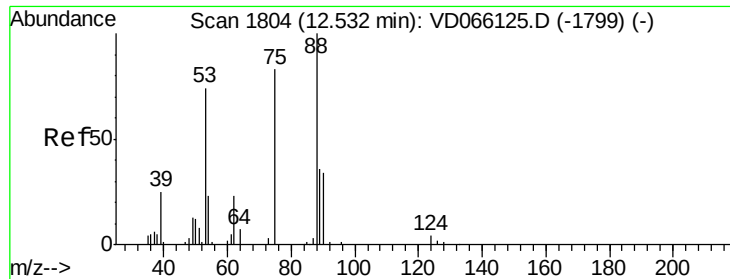
Tot Ion: 91 Resp: 138168
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.773 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion: 105 Resp: 176120
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.3 75.8

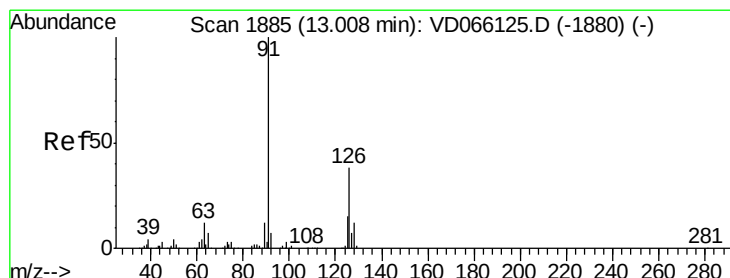
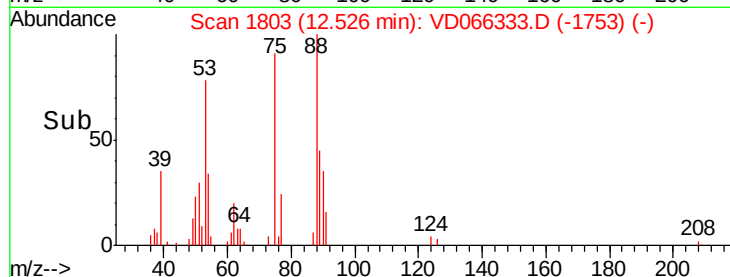
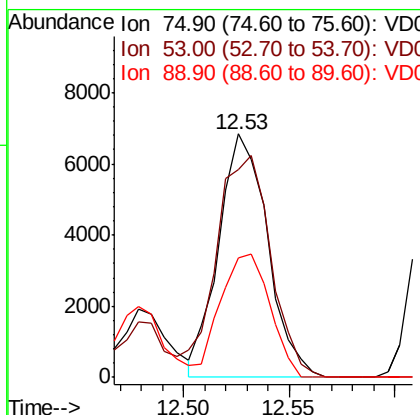
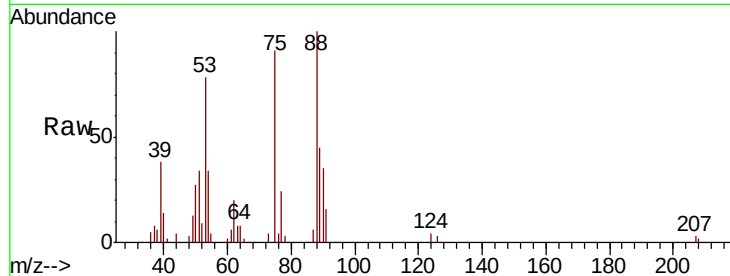




#81
trans-1,4-Dichloro-2-butene
Concen: 20.100 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

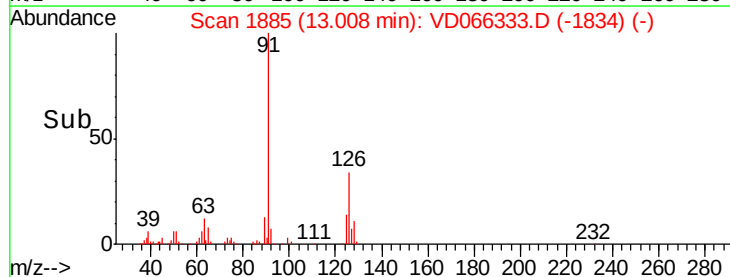
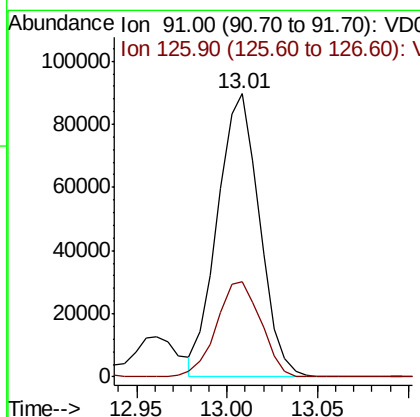
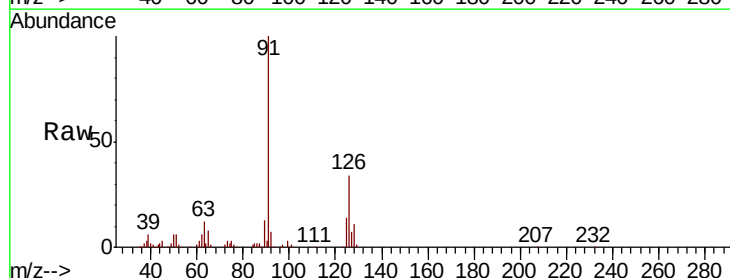
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

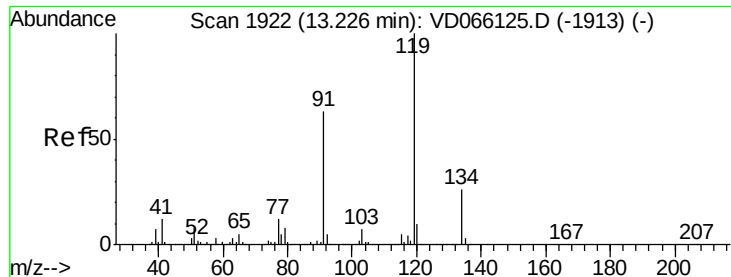
Tot Ion: 75 Resp: 10987
Ion Ratio Lower Upper
75 100
53 101.8 73.4 110.2
89 51.6 36.6 55.0



#82
4-Chlorotoluene
Concen: 21.350 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion: 91 Resp: 144926
Ion Ratio Lower Upper
91 100
126 35.6 17.8 53.3

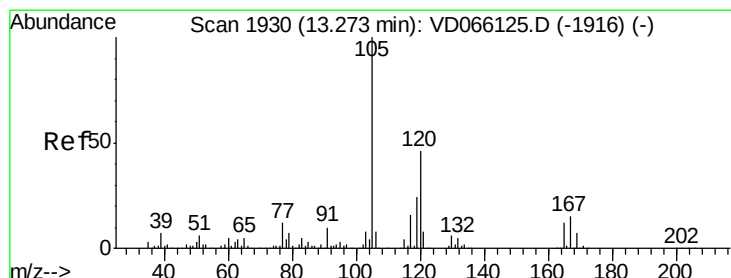
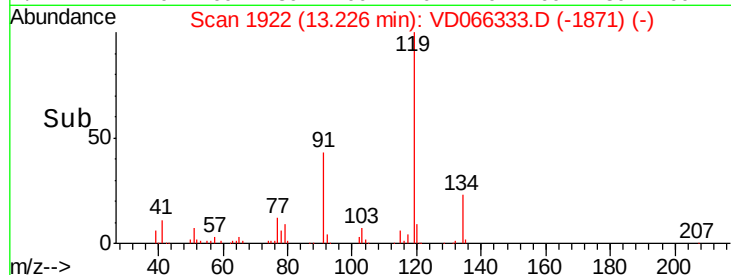
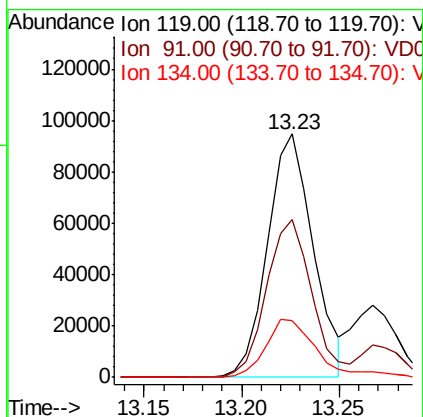
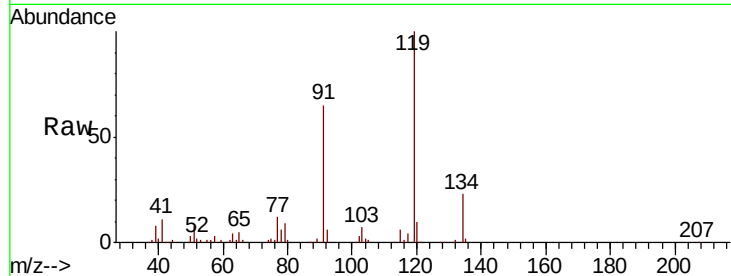




#83
 tert-Butylbenzene
 Concen: 21.639 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

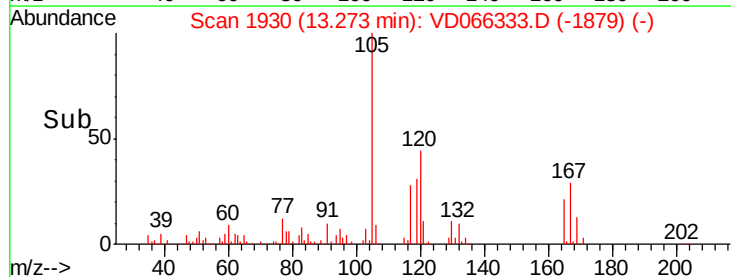
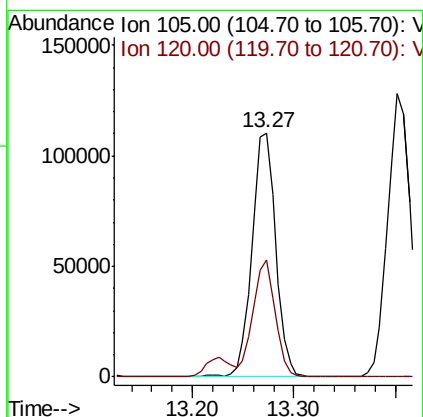
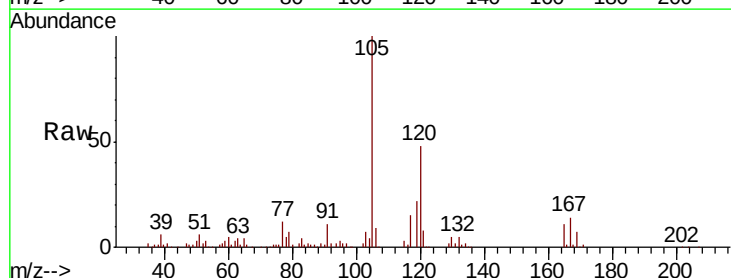
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

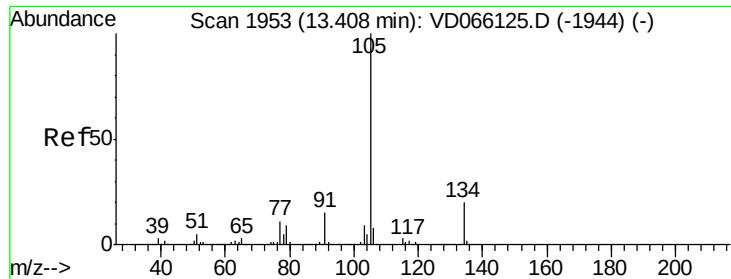
Tot Ion:119 Resp: 153932
 Ion Ratio Lower Upper
 119 100
 91 64.6 30.8 92.4
 134 26.8 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.191 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion:105 Resp: 179637
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 20.920 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

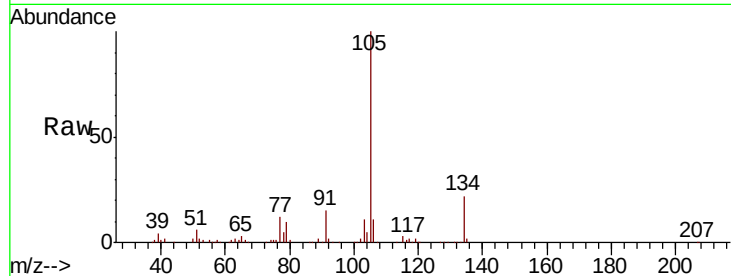
VD0819SBS02

Tot Ion:105 Resp: 200921

Ion Ratio Lower Upper

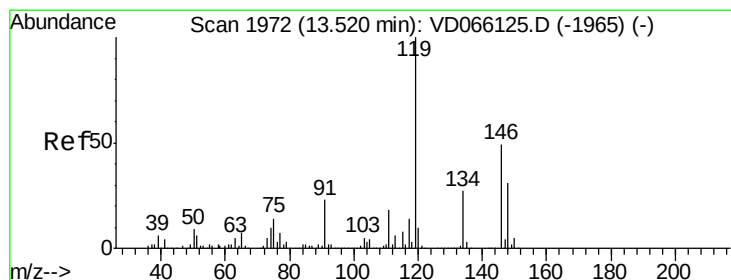
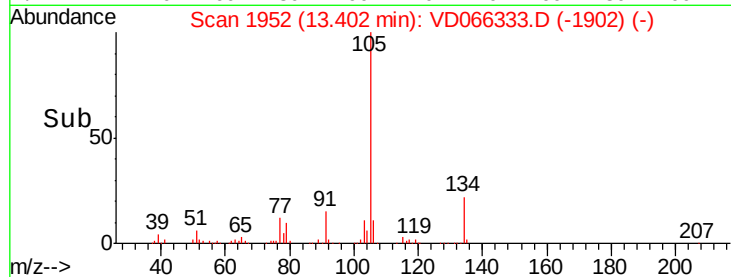
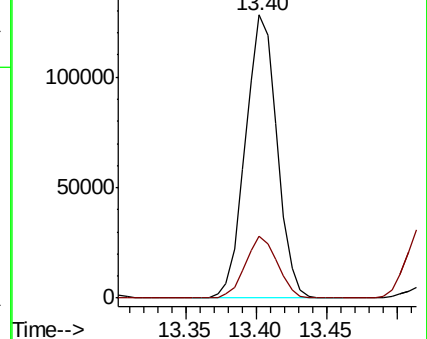
105 100

134 22.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.347 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

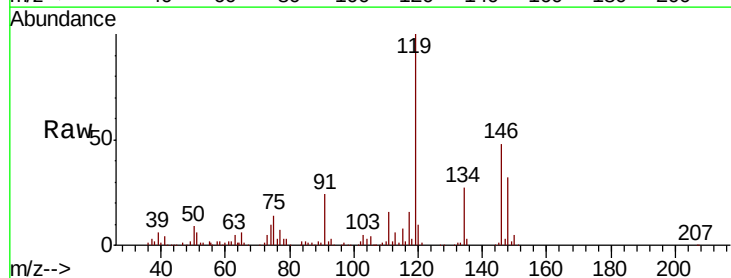
Tgt Ion:119 Resp: 192294

Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

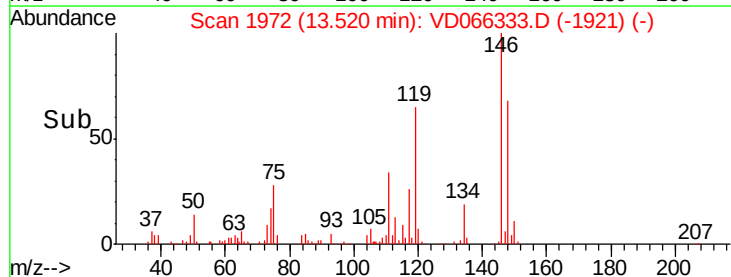
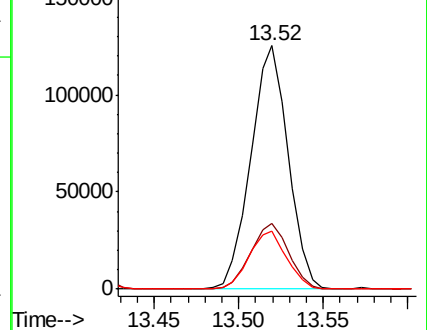
91 24.3 11.2 33.5

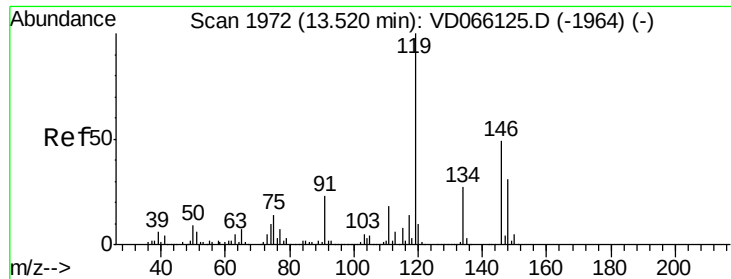


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

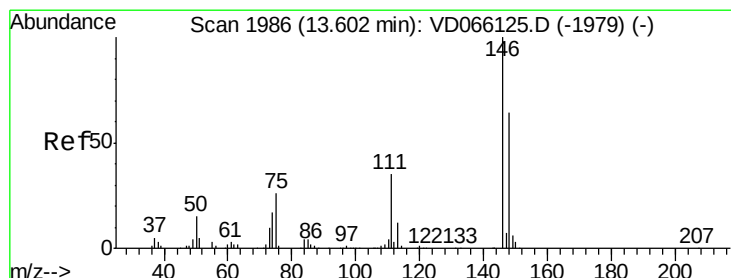
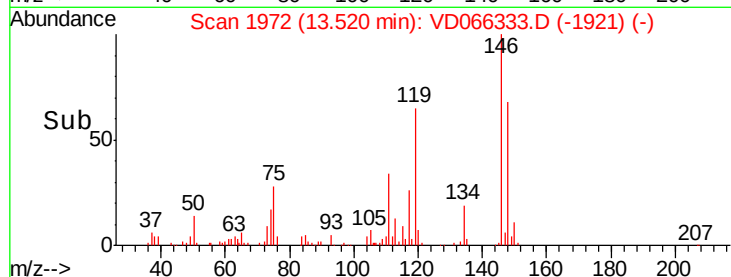
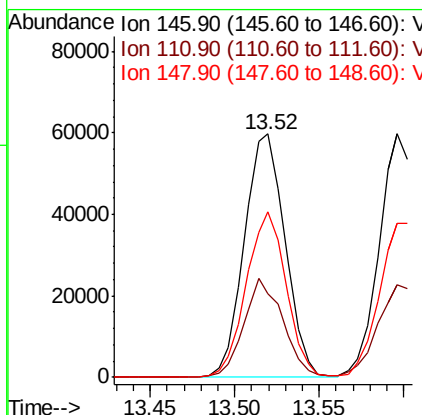
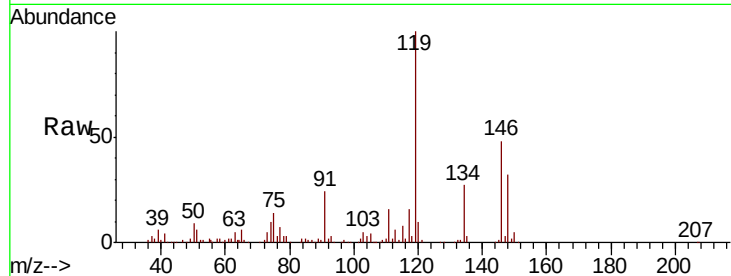




#87
 1,3-Dichlorobenzene
 Concen: 21.414 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

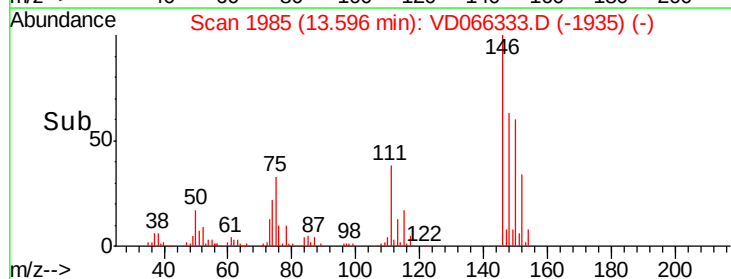
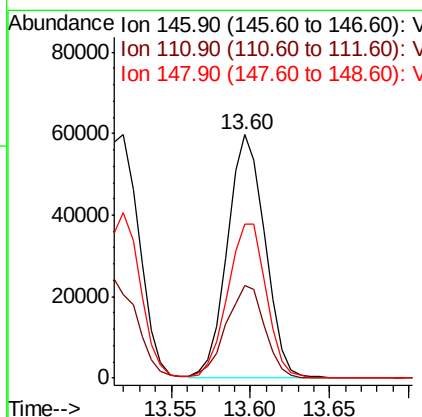
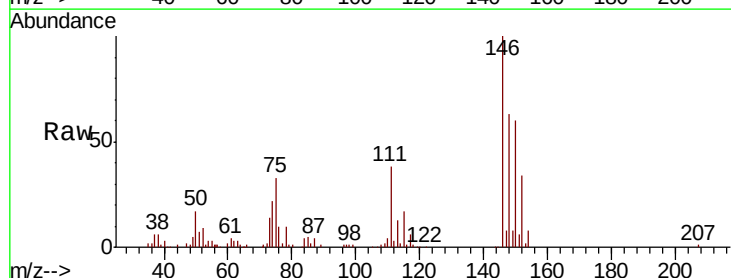
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

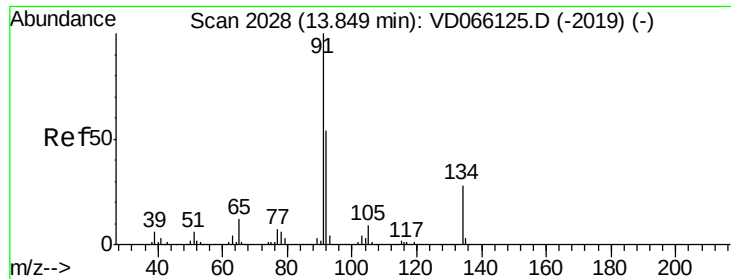
Tot Ion:146 Resp: 100207
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.9 56.9
 148 66.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.043 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion:146 Resp: 98200
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.6 55.8
 148 65.1 32.4 97.0

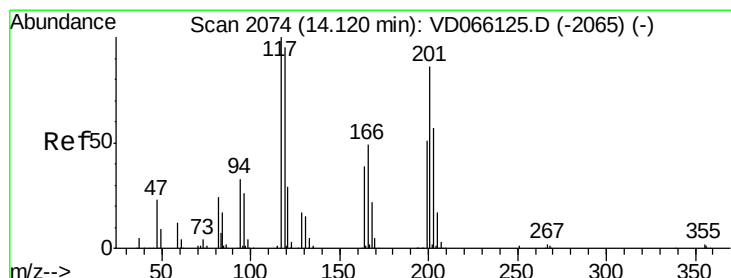
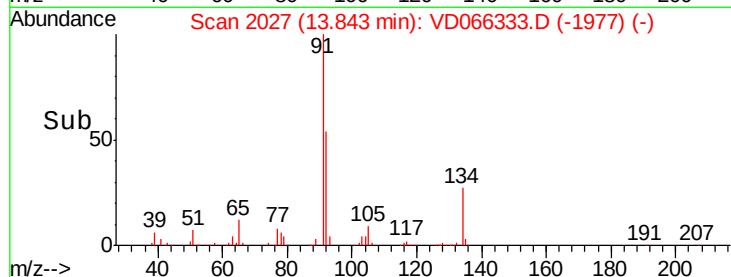
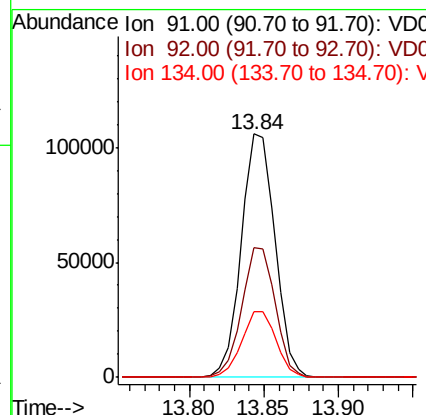
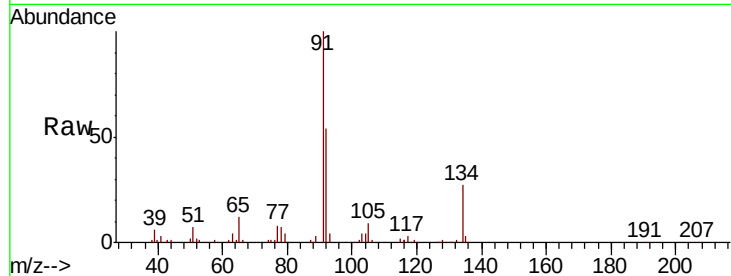




#89
n-Butylbenzene
Concen: 20.550 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

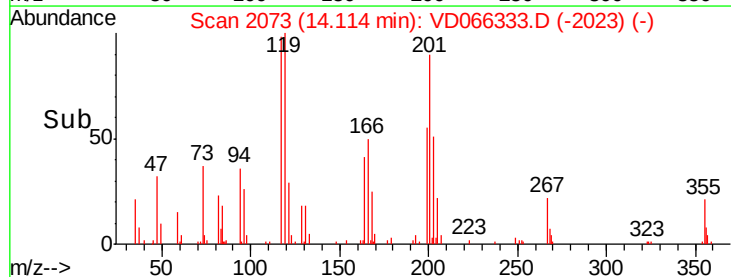
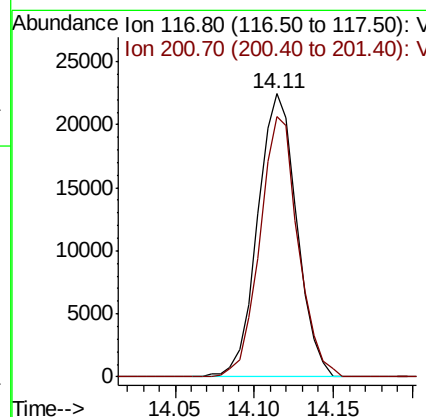
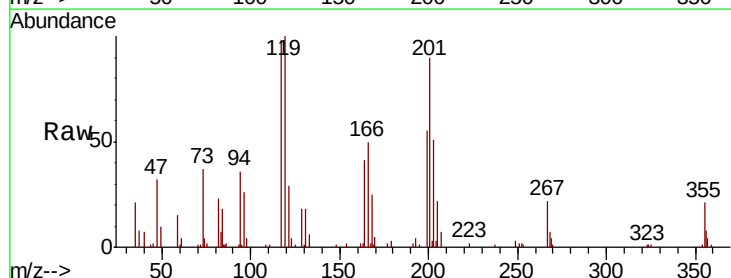
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

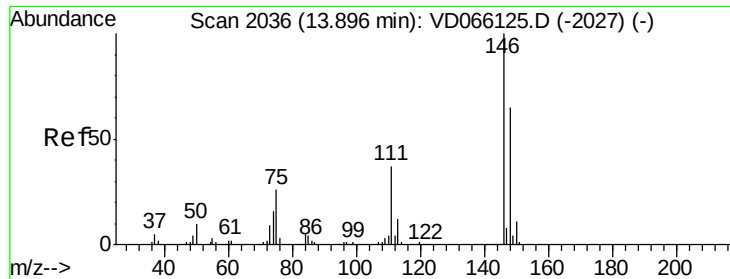
Tot Ion: 91 Resp: 165852
Ion Ratio Lower Upper
91 100
92 53.0 26.8 80.3
134 27.5 14.0 41.9



#90
Hexachloroethane
Concen: 21.420 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion: 117 Resp: 38483
Ion Ratio Lower Upper
117 100
201 90.3 42.7 128.1

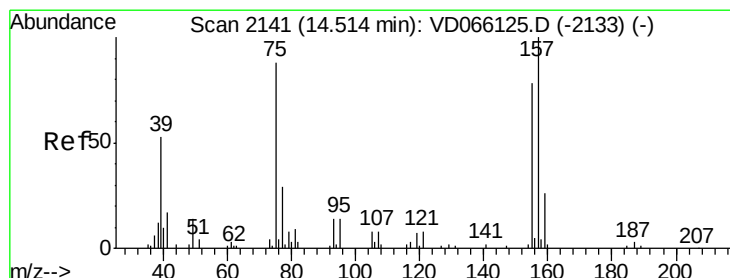
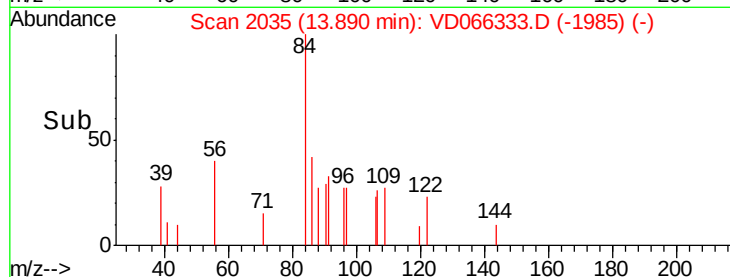
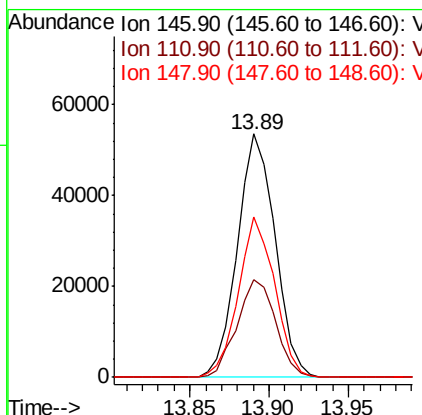
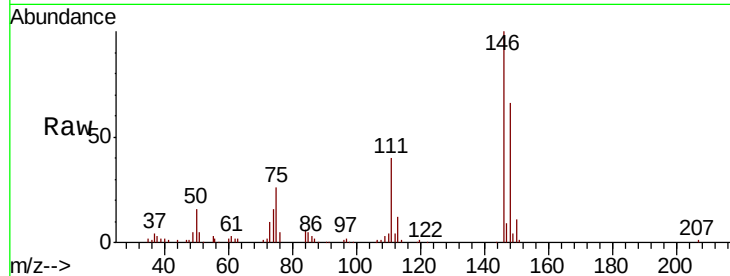




#91
 1,2-Dichlorobenzene
 Concen: 21.340 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

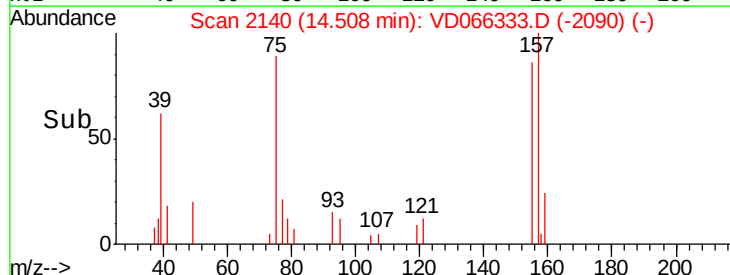
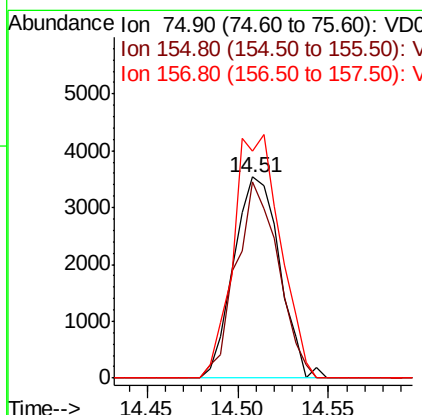
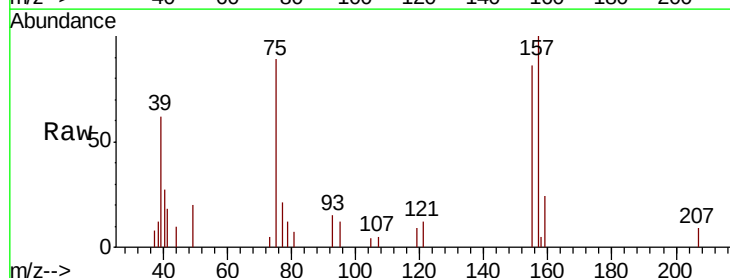
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

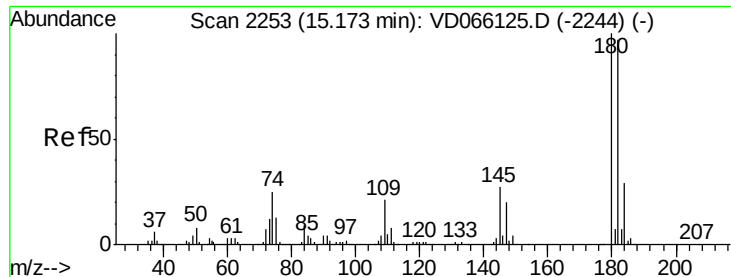
Tot Ion:146 Resp: 88311
 Ion Ratio Lower Upper
 146 100
 111 41.1 18.8 56.3
 148 63.8 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.000 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion: 75 Resp: 6236
 Ion Ratio Lower Upper
 75 100
 155 90.1 47.7 143.1
 157 124.2 62.1 186.2

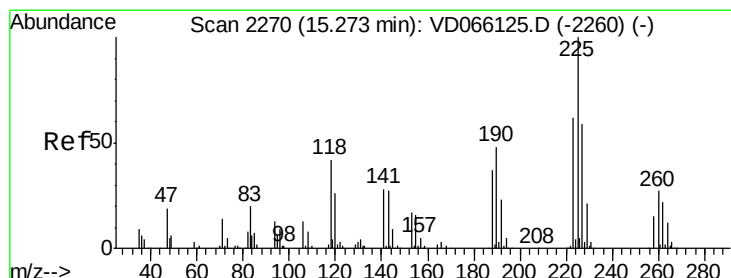
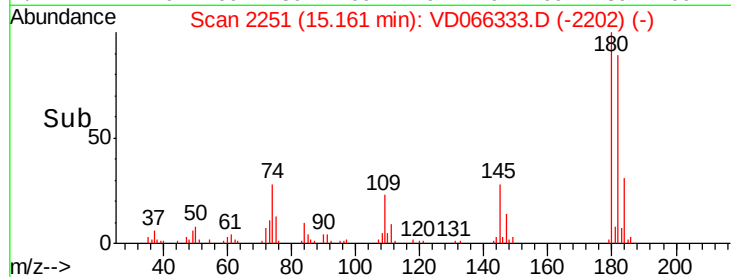
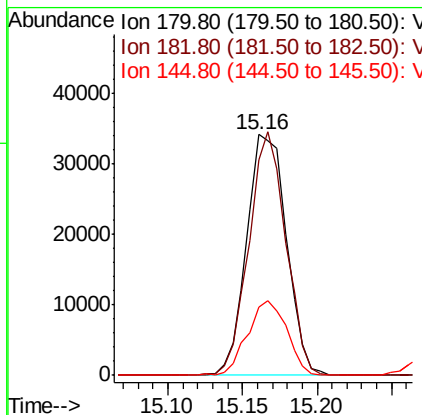
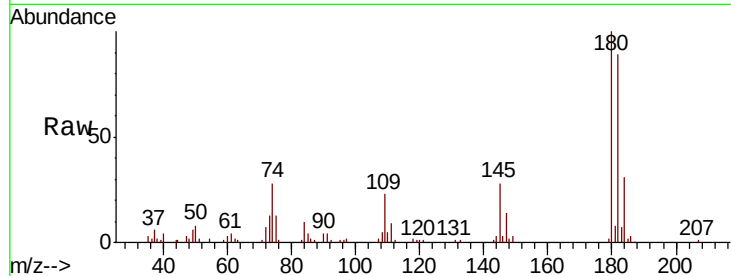




#93
 1,2,4-Trichlorobenzene
 Concen: 20.635 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

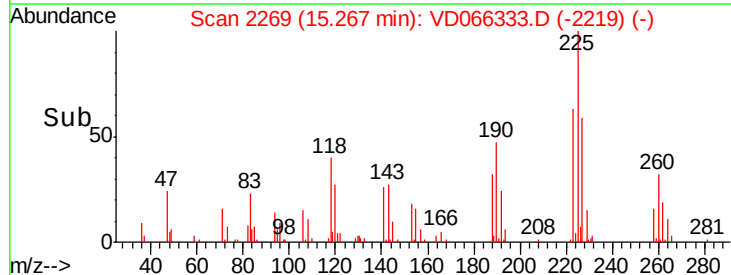
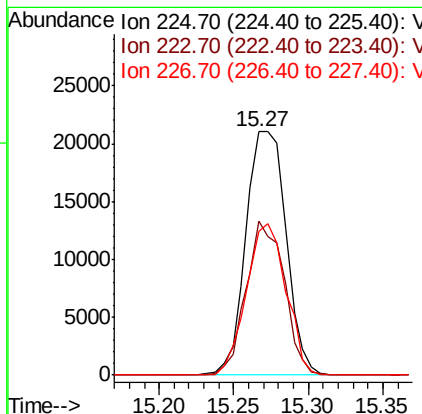
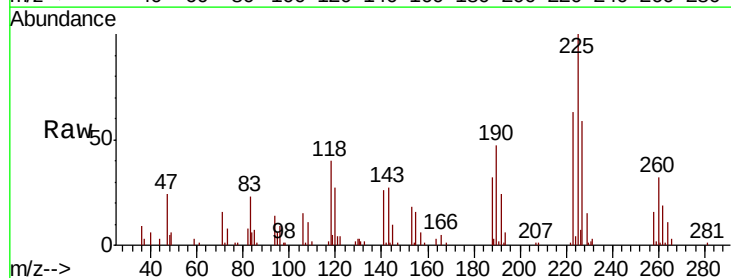
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

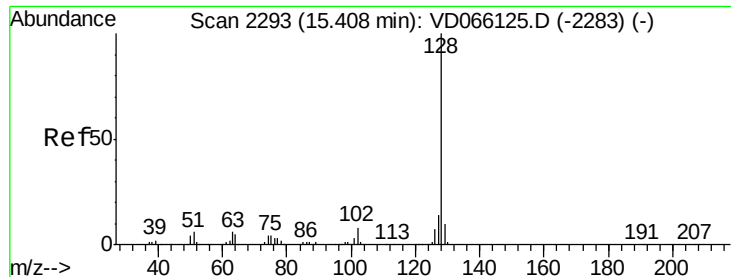
Tot Ion:180 Resp: 62930
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.4 142.2
 145 30.4 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 21.866 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion:225 Resp: 39269
 Ion Ratio Lower Upper
 225 100
 223 59.6 32.3 96.9
 227 61.0 32.1 96.5





#95

Naphthalene

Concen: 20.222 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

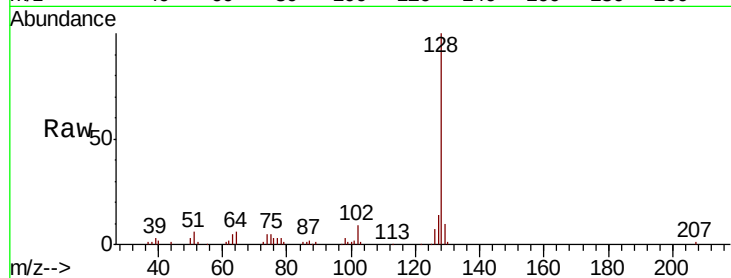
Tot Ion:128 Resp: 100489

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.4

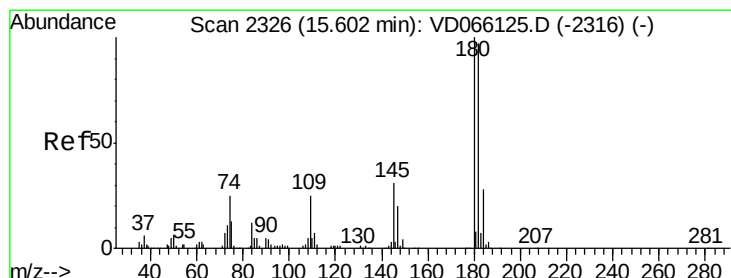
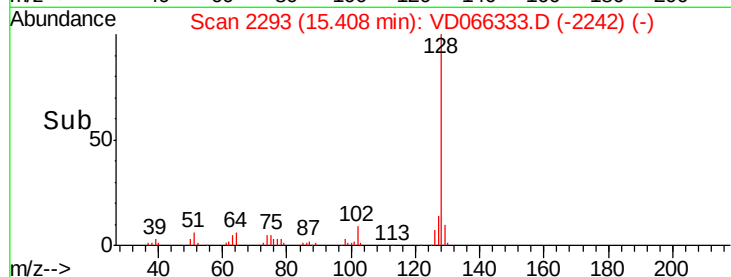
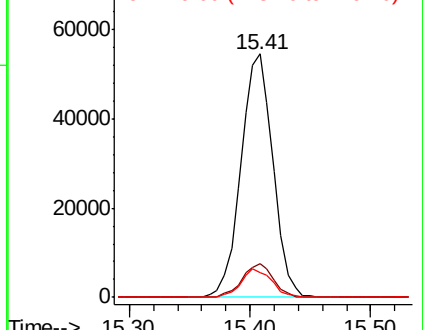
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.618 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

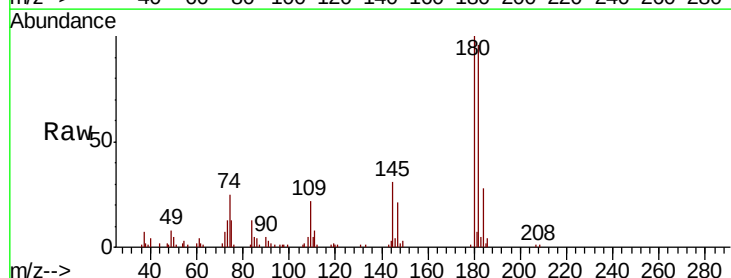
Tgt Ion:180 Resp: 55508

Ion Ratio Lower Upper

180 100

182 94.8 47.1 141.4

145 32.0 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

