

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062895.D
 Acq On : 26 Jun 2019 1:14
 Operator : VA/AP
 Sample : VD0625SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

Quant Time: Jun 26 01:44:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	834917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1207051	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1025759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	564181	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	478922	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	6.93	113	477722	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
50) Toluene-d8	10.41	98	1050970	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	13.55	95	483956	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	208344	19.284	ug/l	94
3) Chloromethane	1.75	50	159573	19.639	ug/l	90
4) Vinyl Chloride	1.85	62	149469	18.553	ug/l	98
5) Bromomethane	2.14	94	60272	15.975	ug/l	99
6) Chloroethane	2.26	64	70219	19.252	ug/l #	85
7) Trichlorofluoromethane	2.52	101	310507	19.044	ug/l	93
8) Diethyl Ether	2.87	74	48103	23.220	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	174154	19.717	ug/l	93
10) Methyl Iodide	3.30	142	223742	19.200	ug/l	97
11) Tert butyl alcohol	4.08	59	43183	104.474	ug/l #	87
12) 1,1-Dichloroethene	3.12	96	123543	18.645	ug/l	93
13) Acrolein	3.03	56	28503	67.548	ug/l #	80
14) Allyl chloride	3.61	41	202858	20.719	ug/l	98
15) Acrylonitrile	4.20	53	109835	113.089	ug/l	99
16) Acetone	3.23	43	184554	95.968	ug/l	96
17) Carbon Disulfide	3.37	76	395263	18.665	ug/l	96
18) Methyl Acetate	3.65	43	91467	33.386	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	314259	21.908	ug/l	96
20) Methylene Chloride	3.81	84	159931	23.107	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	138572	19.641	ug/l	93
22) Diisopropyl ether	5.13	45	449895	22.595	ug/l	97
23) Vinyl Acetate	5.06	43	1276267	102.434	ug/l	97
24) 1,1-Dichloroethane	4.98	63	262908	20.280	ug/l	100
25) 2-Butanone	6.08	43	204312	120.369	ug/l	99
26) 2,2-Dichloropropane	6.02	77	245803	17.888	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	165981	22.246	ug/l	97
28) Bromochloromethane	6.44	49	111445	24.408	ug/l	95
29) Tetrahydrofuran	6.47	42	95288	118.651	ug/l	95
30) Chloroform	6.66	83	315894	20.036	ug/l	98
31) Cyclohexane	6.95	56	153701	18.035	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	317467	19.333	ug/l	99
36) 1,1-Dichloropropene	7.14	75	214064	18.734	ug/l	97
37) Ethyl Acetate	6.18	43	106394	21.539	ug/l #	91
38) Carbon Tetrachloride	7.11	117	318070	18.509	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	175541	17.453	ug/l	88
40) Benzene	7.46	78	444102	19.362	ug/l	96
41) Methacrylonitrile	6.46	41	127354	21.135	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	258809	20.684	ug/l	100
43) Isopropyl Acetate	9.24	43	135442	22.610	ug/l #	98
44) Trichloroethene	8.54	130	170813	18.996	ug/l	95
45) 1,2-Dichloropropane	8.95	63	113176	19.844	ug/l	98
46) Dibromomethane	9.06	93	102307	20.882	ug/l	95
47) Bromodichloromethane	9.38	83	263199	20.686	ug/l	93
48) Methyl methacrylate	9.12	41	91150	21.412	ug/l	99
49) 1,4-Dioxane	9.08	88	16764	473.332	ug/l #	78
51) 4-Methyl-2-Pentanone	10.30	43	484904	114.170	ug/l	98
52) Toluene	10.51	92	302088	19.593	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	208122	19.984	ug/l	90
54) cis-1,3-Dichloropropene	10.04	75	219255	19.370	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	112159	21.174	ug/l	91
56) Ethyl methacrylate	11.04	69	120442	21.276	ug/l	99
57) 1,3-Dichloropropane	11.41	76	171014	21.085	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	319821	110.048	ug/l	100
59) 2-Hexanone	11.53	43	353159	116.753	ug/l	99
60) Dibromochloromethane	11.69	129	201895	20.463	ug/l	96
61) 1,2-Dibromoethane	11.81	107	136181	21.768	ug/l	98
64) Tetrachloroethene	11.26	164	183647	21.753	ug/l	98
65) Chlorobenzene	12.40	112	379177	19.918	ug/l	94
66) 1,1,1,2-Tetrachloroethane	12.52	131	176210	19.793	ug/l	96
67) Ethyl Benzene	12.52	91	654841	19.159	ug/l	94
68) m/p-Xylenes	12.67	106	453653	38.109	ug/l	98
69) o-Xylene	13.05	106	220743	20.285	ug/l	94
70) Styrene	13.07	104	390100	20.409	ug/l	95
71) Bromoform	13.24	173	123154	20.190	ug/l	93
73) Isopropylbenzene	13.41	105	600589	16.603	ug/l	100
74) N-amyl acetate	13.27	43	185077	21.068	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	123656	20.980	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	141313	21.697	ug/l	94
77) Bromobenzene	13.67	156	177570	18.250	ug/l	93
78) n-propylbenzene	13.77	91	789502	18.751	ug/l	94
79) 2-Chlorotoluene	13.84	91	428443	17.806	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	569666	18.748	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	31914	18.696	ug/l	90
82) 4-Chlorotoluene	13.95	91	549241	18.961	ug/l	100
83) tert-Butylbenzene	14.19	119	622472	18.379	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	560550	17.999	ug/l	100
85) sec-Butylbenzene	14.37	105	680174	18.478	ug/l	97
86) p-Isopropyltoluene	14.49	119	640980	19.034	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	349089	20.015	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	334211	19.078	ug/l	97
89) n-Butylbenzene	14.80	91	546761	17.347	ug/l	97
90) Hexachloroethane	15.01	117	169466	18.716	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	284053	19.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26258	22.825	ug/l	63

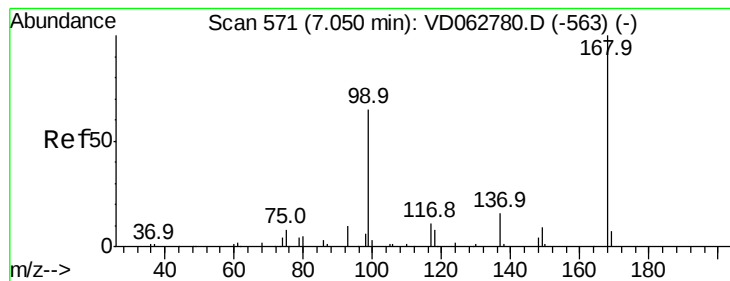
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
Data File : VD062895.D
Acq On : 26 Jun 2019 1:14
Operator : VA/AP
Sample : VD0625SBSD02
Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	232311	19.929	ug/l	97
94) Hexachlorobutadiene	16.03	225	152994	17.180	ug/l	91
95) Naphthalene	16.12	128	357646	21.890	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	185730	20.737	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

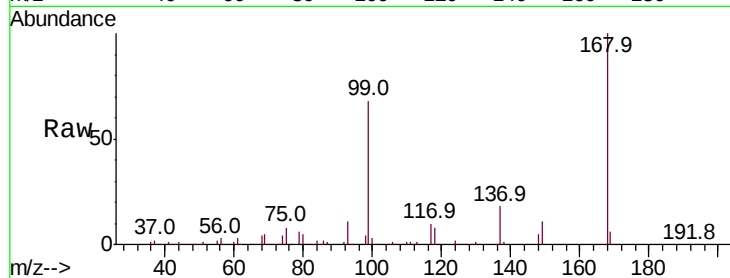
VD0625SBSD02

Tot Ion:168 Resp: 834917

Ion Ratio Lower Upper

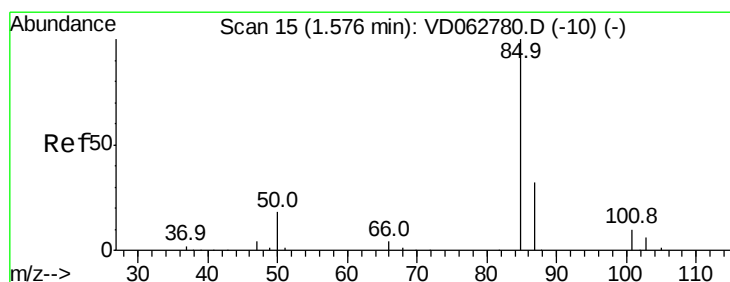
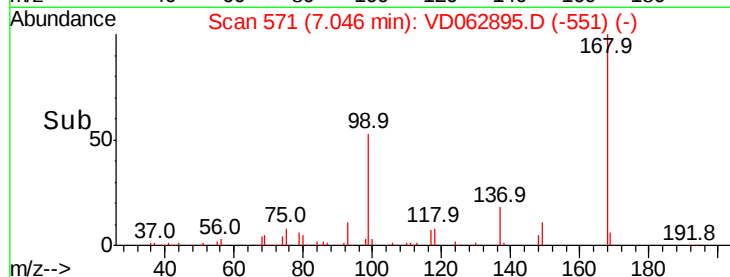
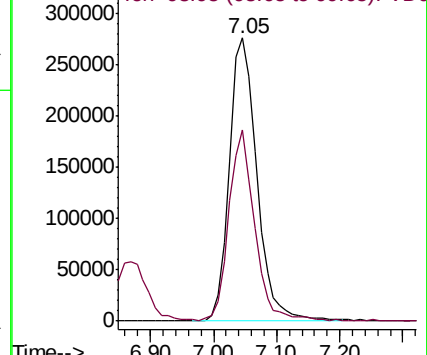
168 100

99 67.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.284 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062895.D

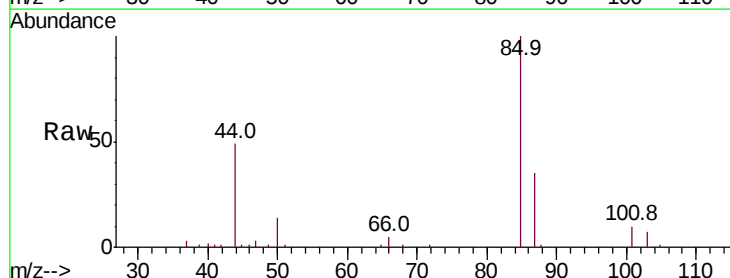
Acq: 26 Jun 2019 1:14

Tgt Ion: 85 Resp: 208344

Ion Ratio Lower Upper

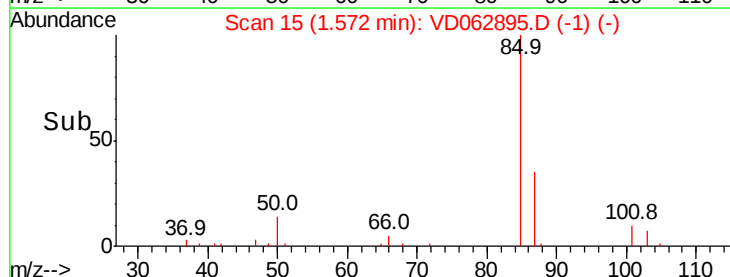
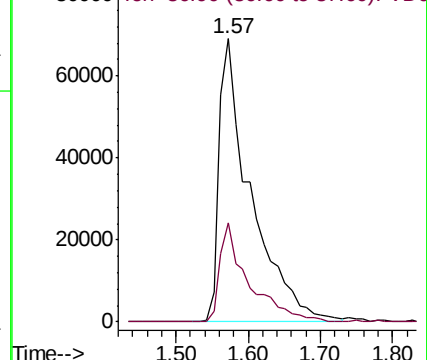
85 100

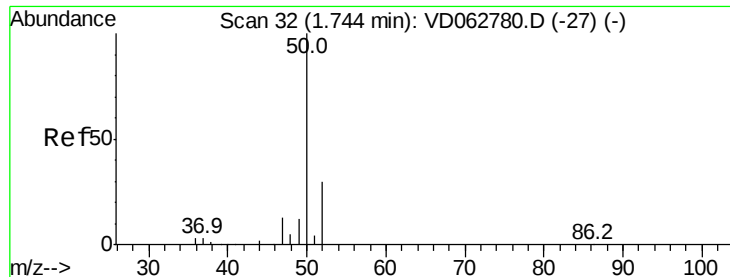
87 35.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.639 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

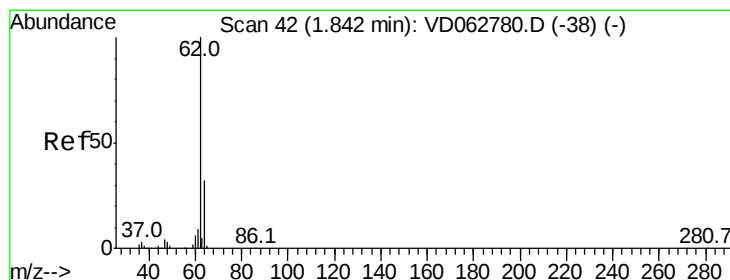
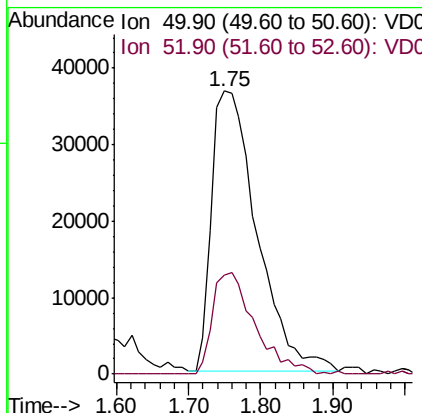
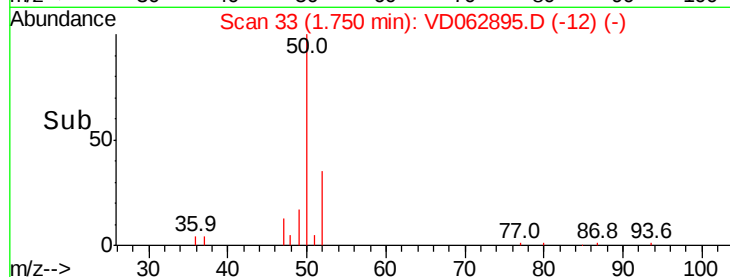
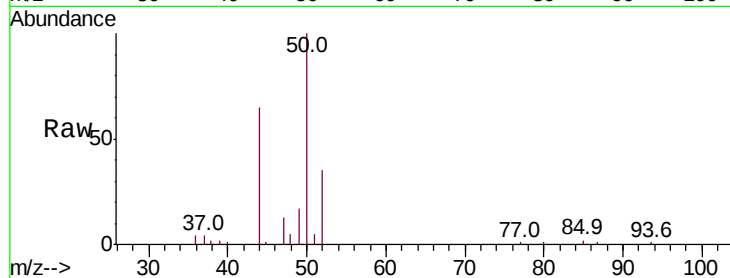
VD0625SBSD02

Tot Ion: 50 Resp: 159573

Ion Ratio Lower Upper

50 100

52 34.8 23.6 35.4



#4

Vinyl Chloride

Concen: 18.553 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062895.D

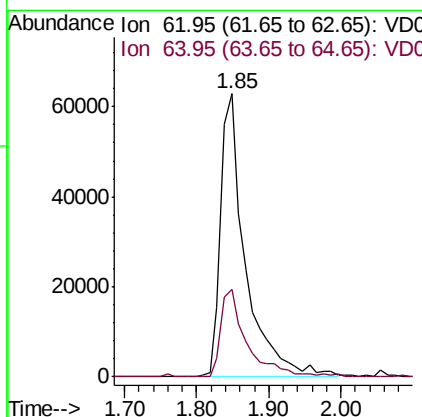
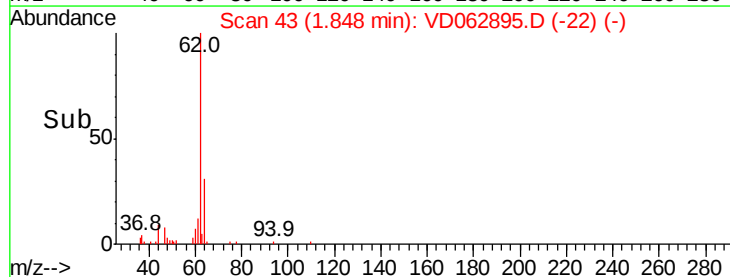
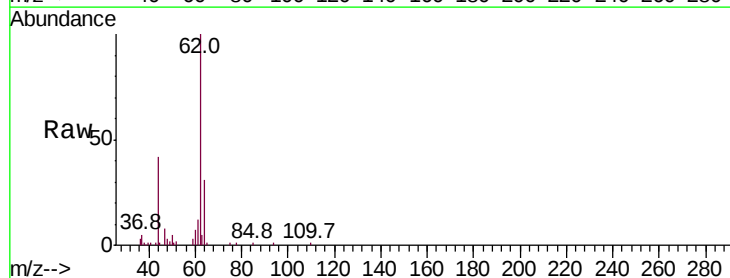
Acq: 26 Jun 2019 1:14

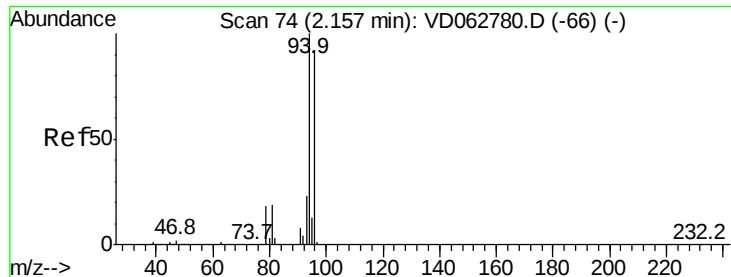
Tgt Ion: 62 Resp: 149469

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4





#5

Bromomethane

Concen: 15.975 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

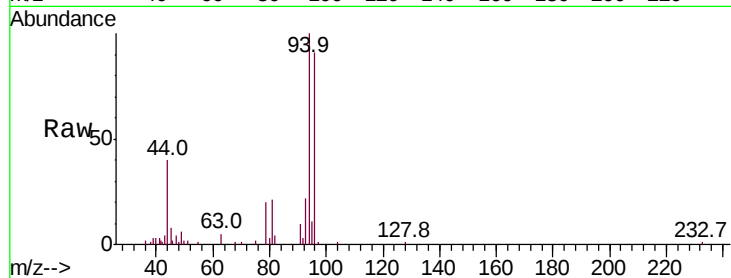
Tot Ion: 94 Resp: 60272

Ion Ratio Lower Upper

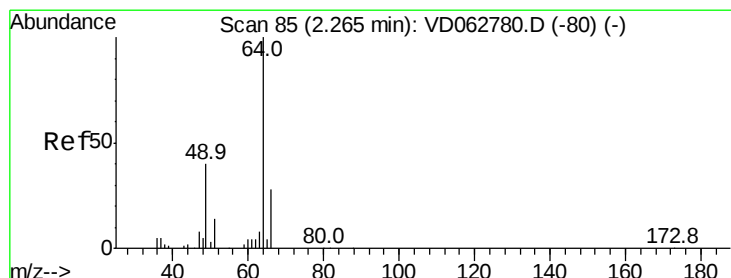
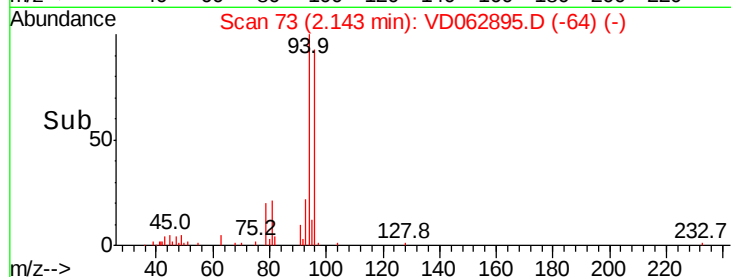
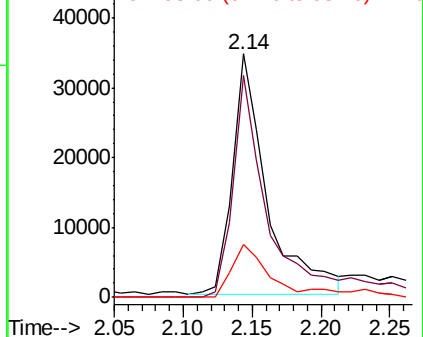
94 100

96 91.2 73.4 110.2

93 21.9 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.252 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062895.D

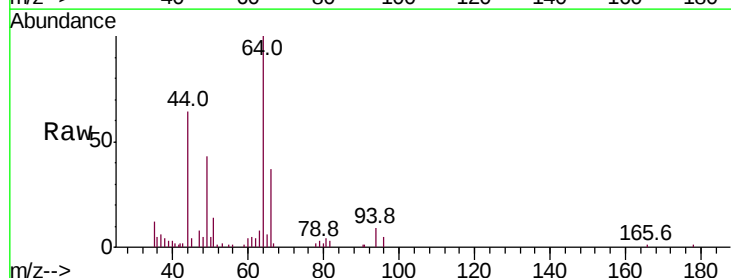
Acq: 26 Jun 2019 1:14

Tgt Ion: 64 Resp: 70219

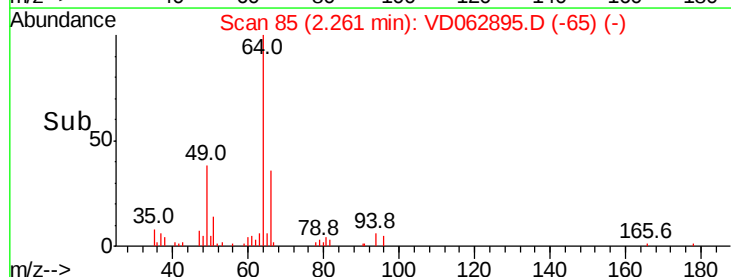
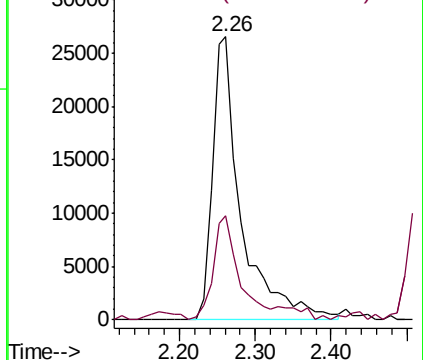
Ion Ratio Lower Upper

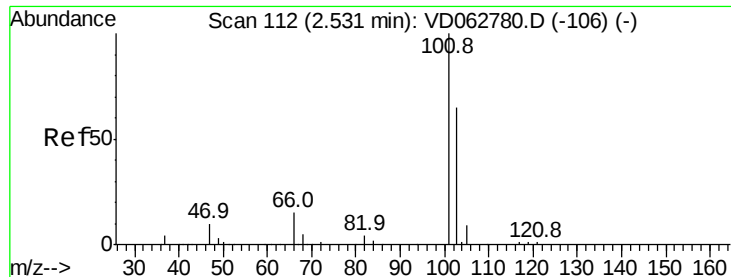
64 100

66 36.8 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



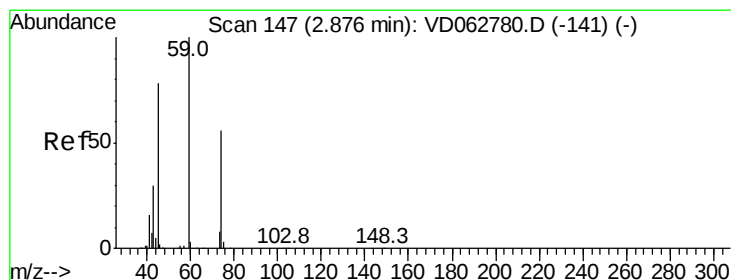
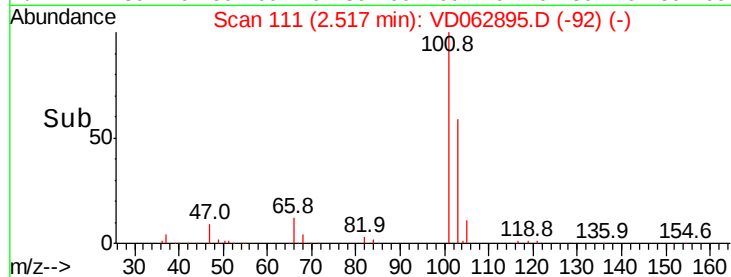
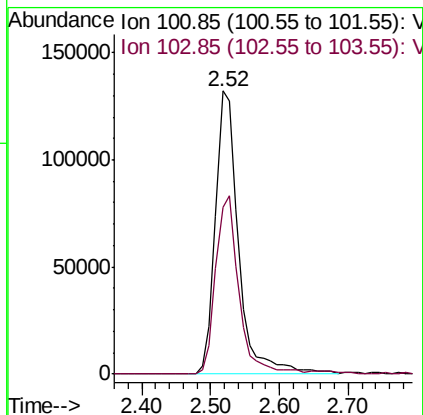
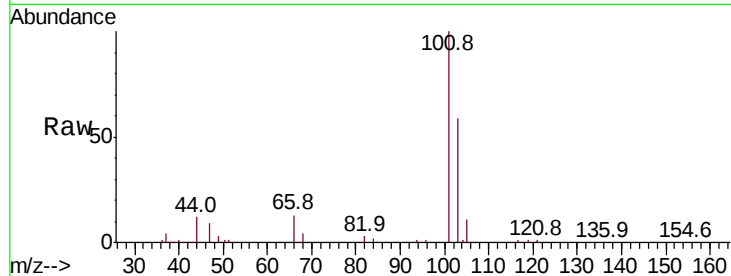


#7

Trichlorofluoromethane
 Concen: 19.044 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Instrument :
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 VD0625SBSD02

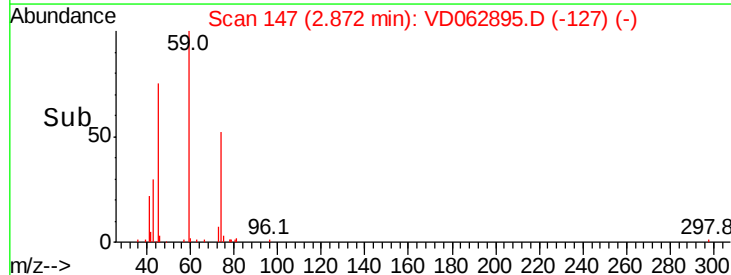
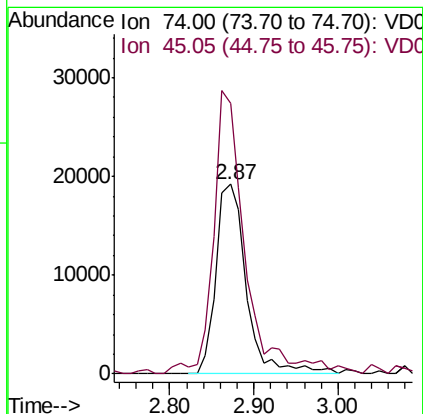
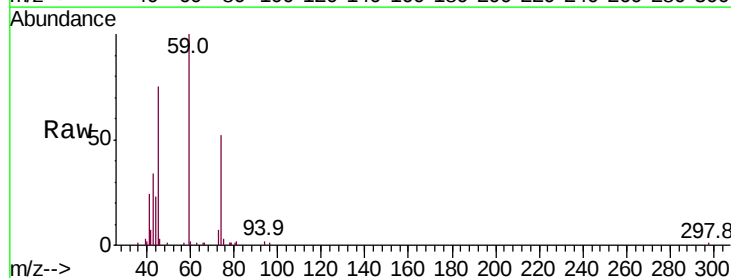
Tot Ion:101 Resp: 310507
 Ion Ratio Lower Upper
 101 100
 103 59.1 51.8 77.8

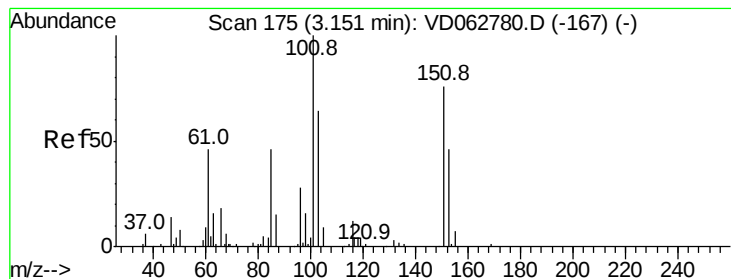


#8

Diethyl Ether
 Concen: 23.220 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Tgt Ion: 74 Resp: 48103
 Ion Ratio Lower Upper
 74 100
 45 142.8 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.717 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

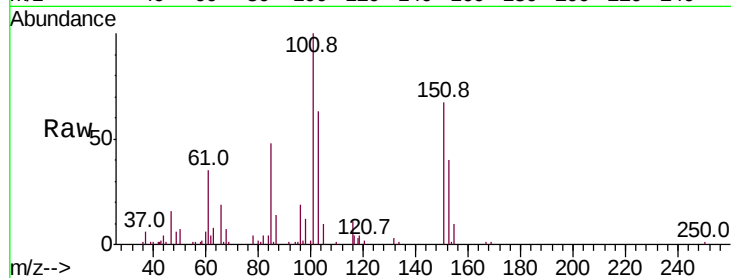
Tot Ion:101 Resp: 174154

Ion Ratio Lower Upper

101 100

85 47.7 37.0 55.4

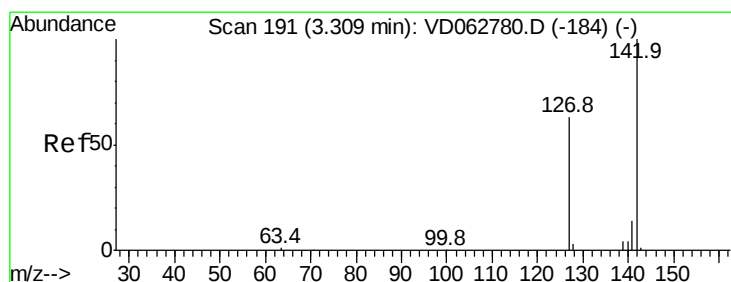
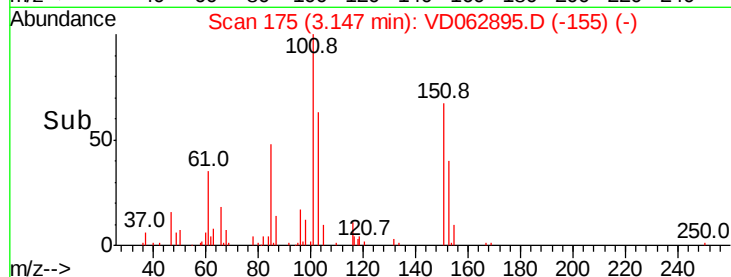
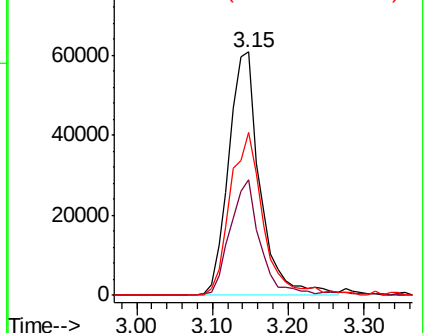
151 67.0 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.200 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

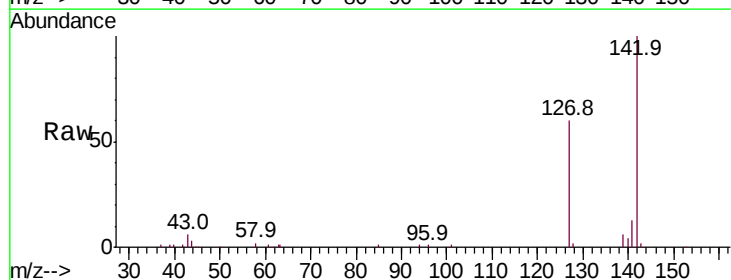
Tgt Ion:142 Resp: 223742

Ion Ratio Lower Upper

142 100

127 60.3 50.1 75.1

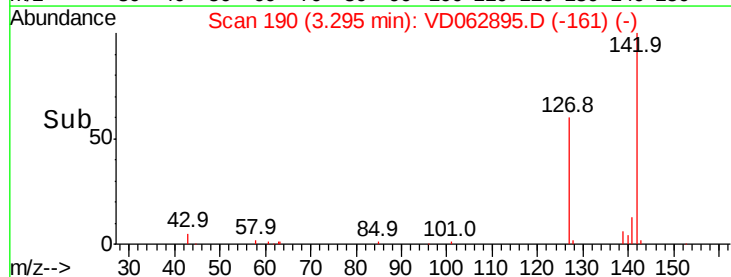
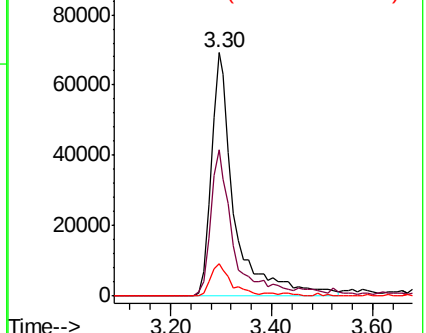
141 13.4 11.0 16.4

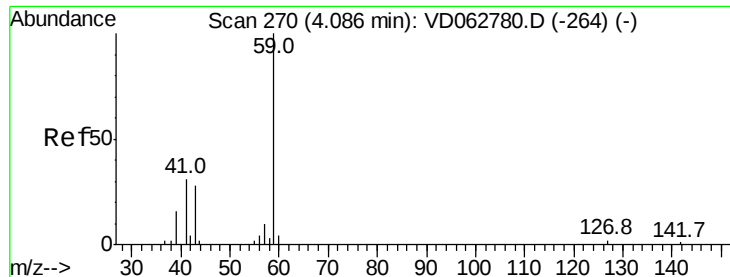


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



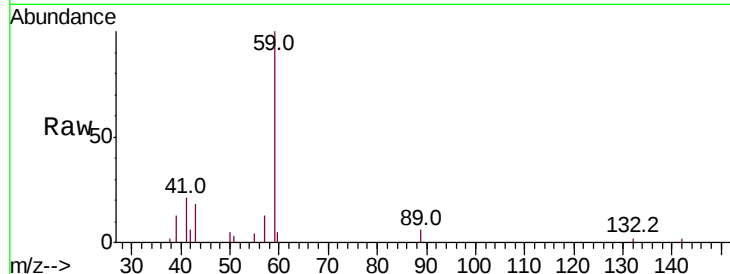


#11

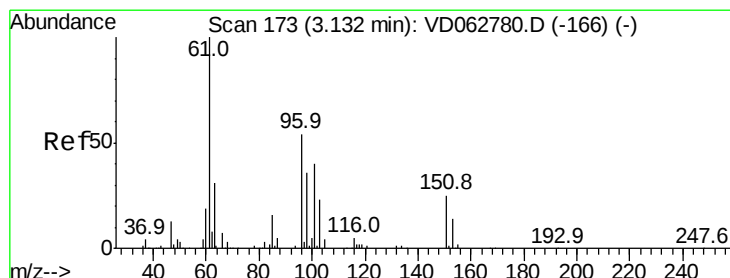
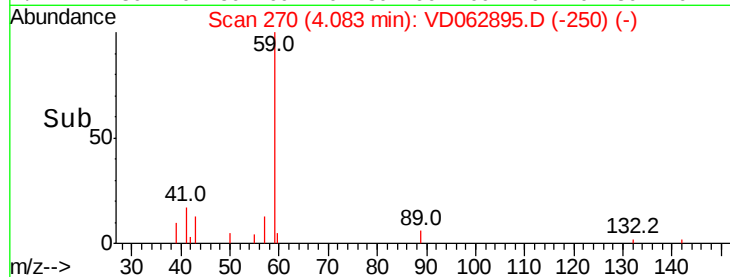
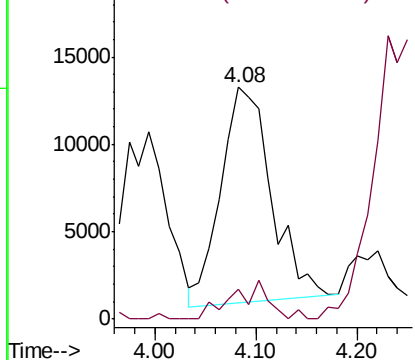
Tert butyl alcohol
Concen: 104.474 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

Tot Ion: 59 Resp: 43183
Ion Ratio Lower Upper
59 100
57 12.9 6.6 10.0#



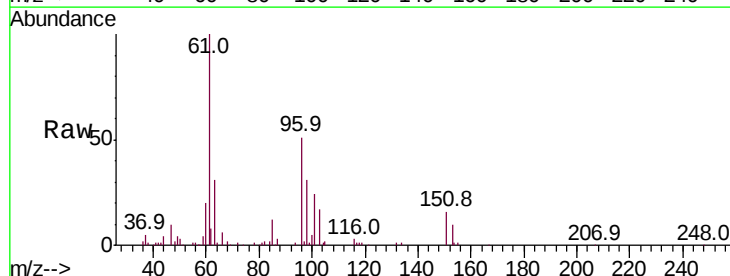
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



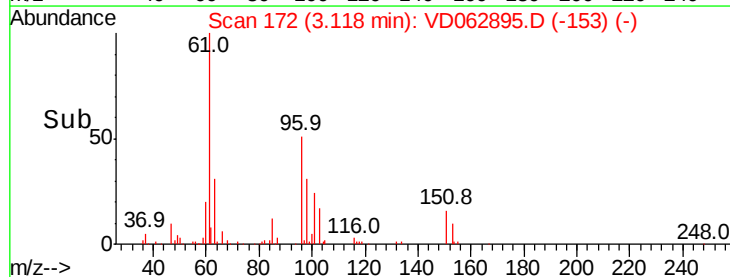
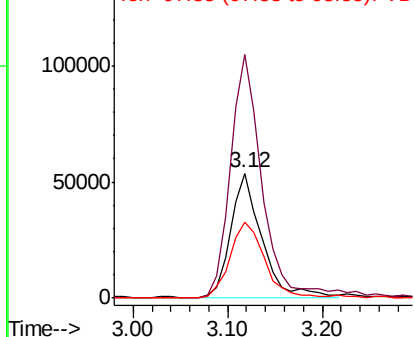
#12

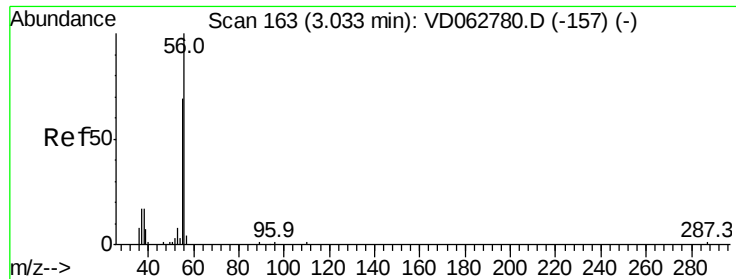
1,1-Dichloroethene
Concen: 18.645 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion: 96 Resp: 123543
Ion Ratio Lower Upper
96 100
61 195.3 147.1 220.7
98 61.2 52.6 79.0



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 67.548 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

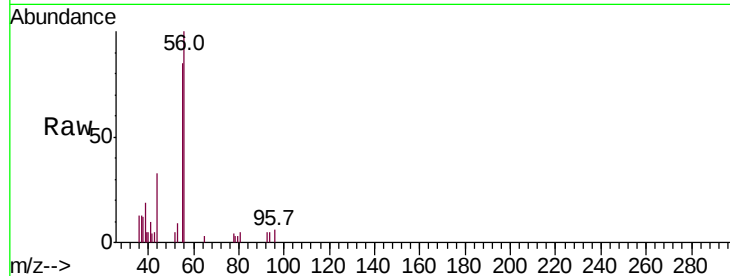
VD0625SBSD02

Tot Ion: 56 Resp: 28503

Ion Ratio Lower Upper

56 100

55 85.2 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

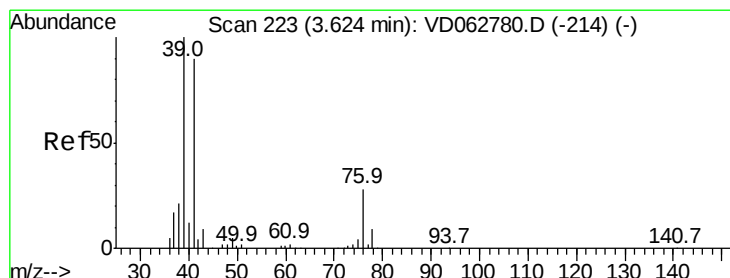
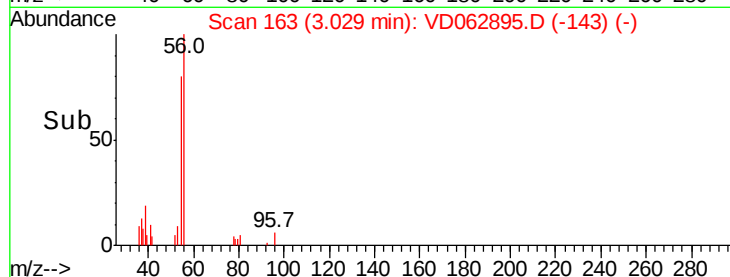
2000

0

Time-->

2.95 3.00 3.05 3.10 3.15

3.03



#14

Allyl chloride

Concen: 20.719 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

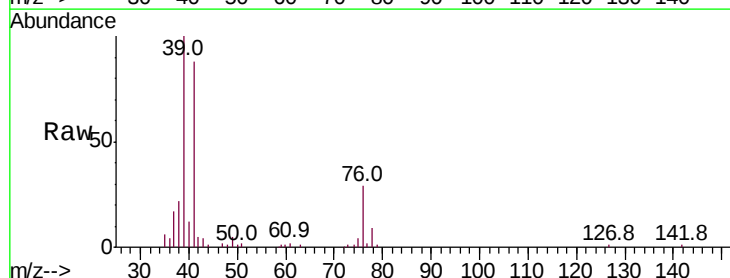
Tgt Ion: 41 Resp: 202858

Ion Ratio Lower Upper

41 100

39 113.7 88.8 133.2

76 32.5 26.7 40.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

40000

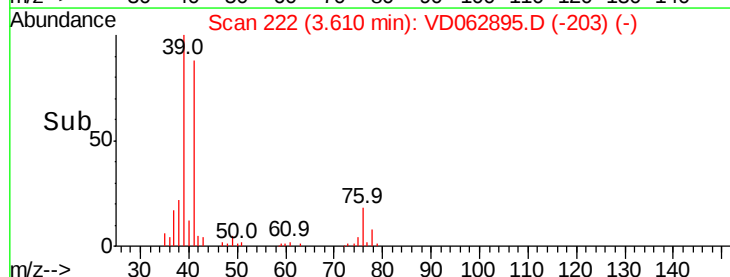
20000

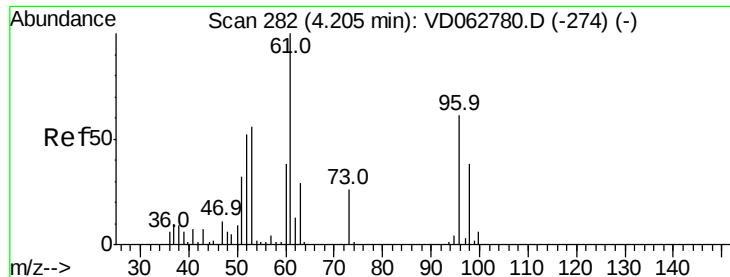
0

Time-->

3.50 3.60 3.70 3.80

3.61





#15

Acrylonitrile

Concen: 113.089 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

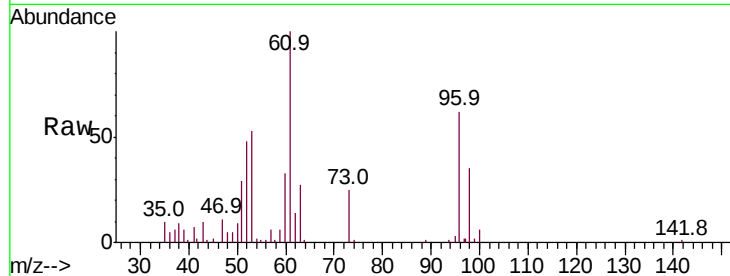
Tot Ion: 53 Resp: 109835

Ion Ratio Lower Upper

53 100

52 90.6 73.3 109.9

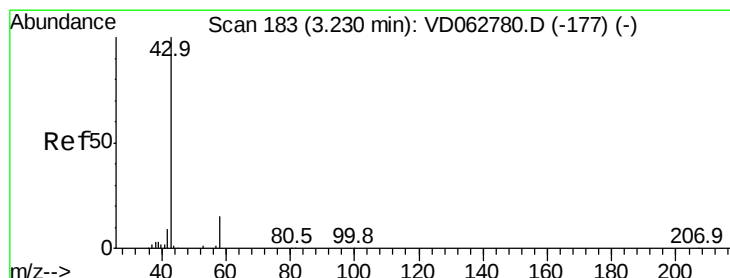
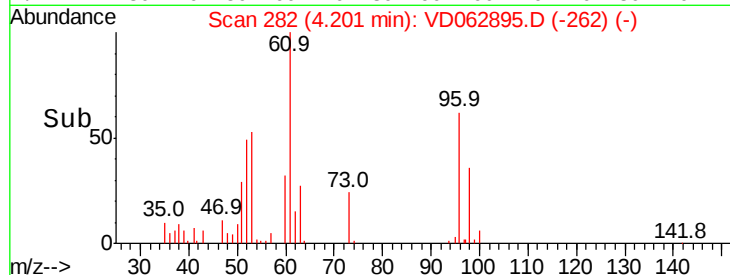
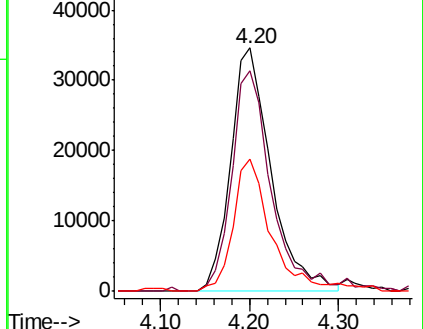
51 54.5 44.8 67.2



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: 95.968 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062895.D

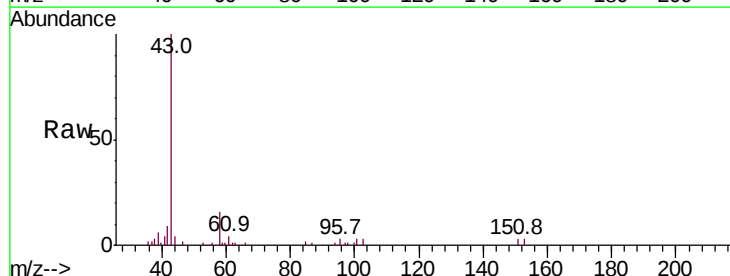
Acq: 26 Jun 2019 1:14

Tgt Ion: 43 Resp: 184554

Ion Ratio Lower Upper

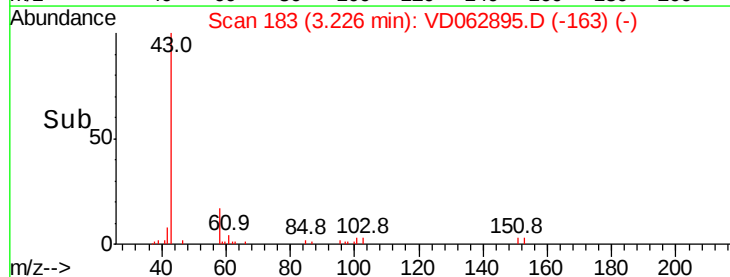
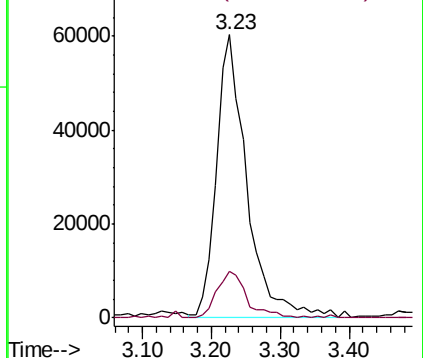
43 100

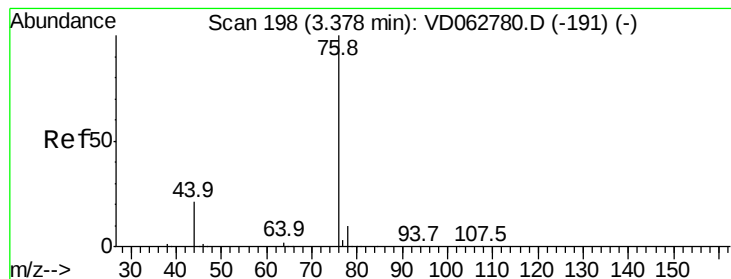
58 16.5 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.665 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

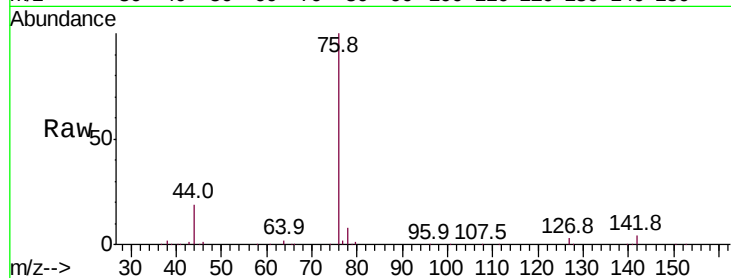
VD0625SBS02

Tot Ion: 76 Resp: 395263

Ion Ratio Lower Upper

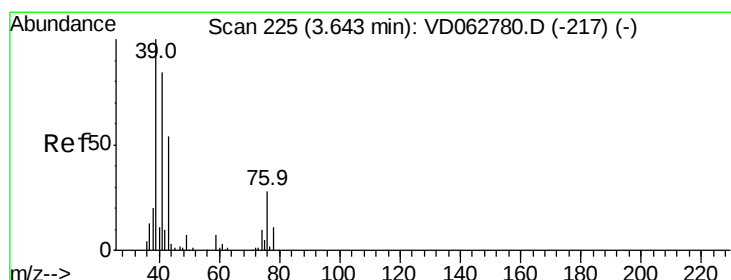
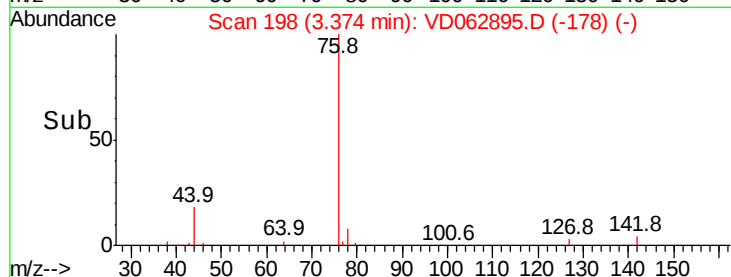
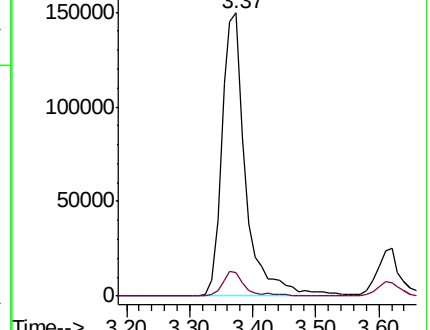
76 100

78 8.5 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 33.386 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062895.D

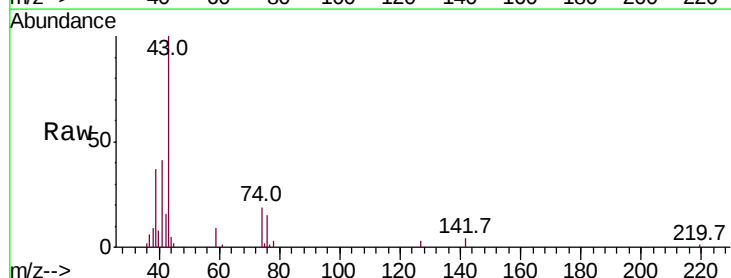
Acq: 26 Jun 2019 1:14

Tgt Ion: 43 Resp: 91467

Ion Ratio Lower Upper

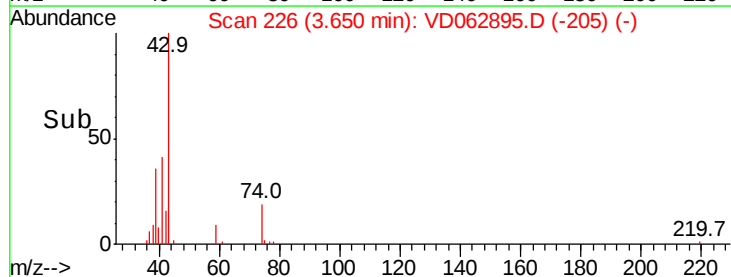
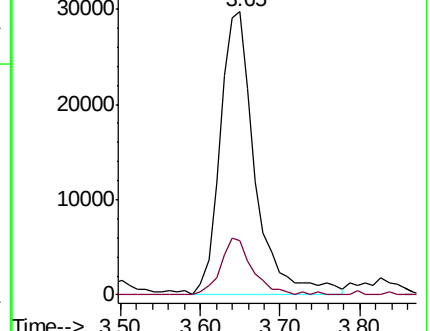
43 100

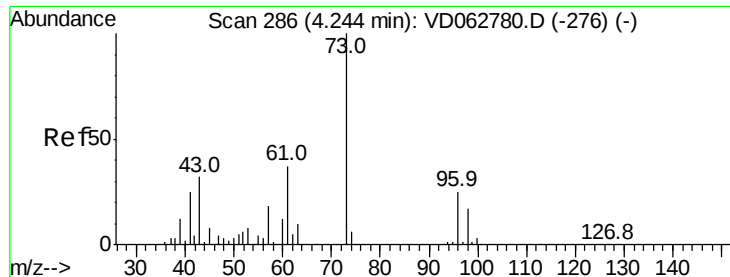
74 19.1 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



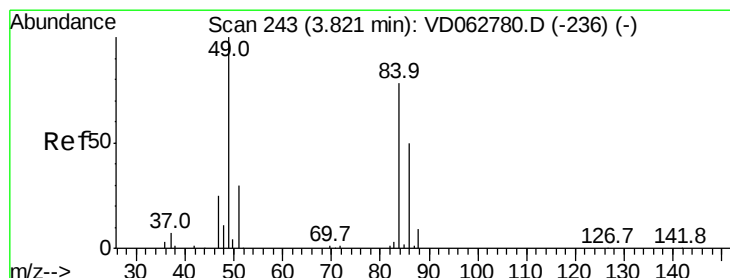
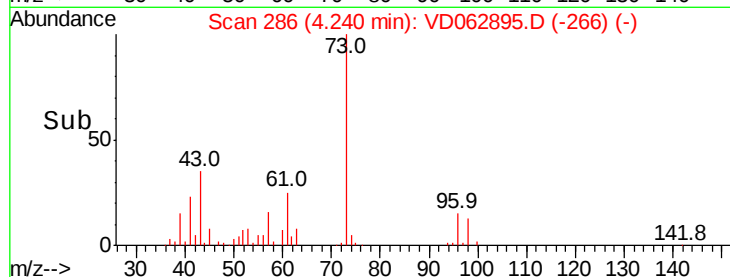
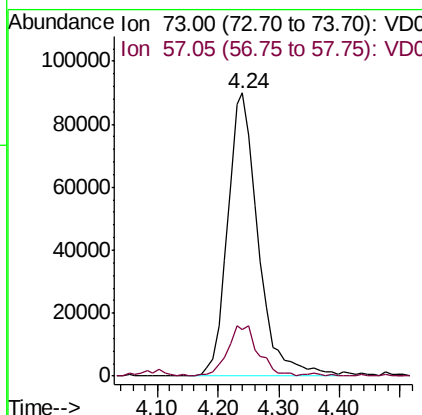
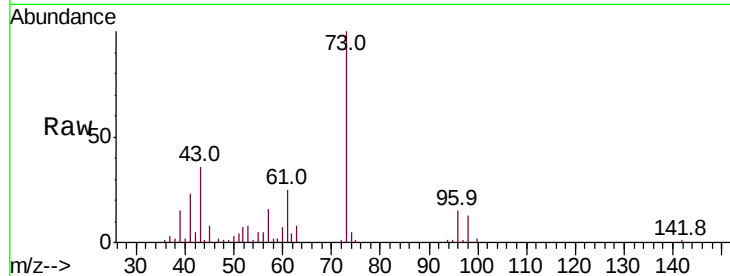


#19

Methyl tert-butyl Ether
 Concen: 21.908 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

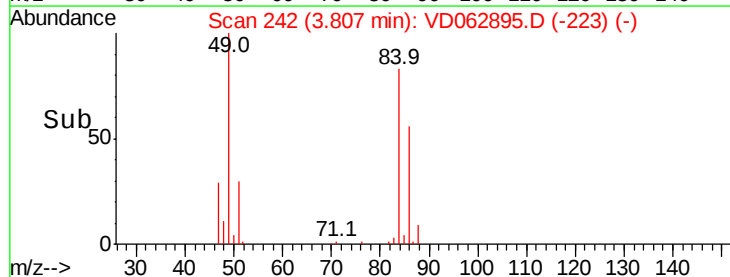
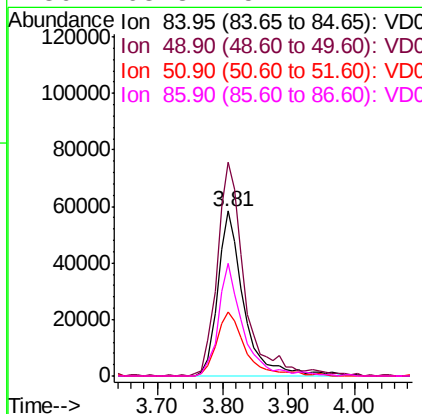
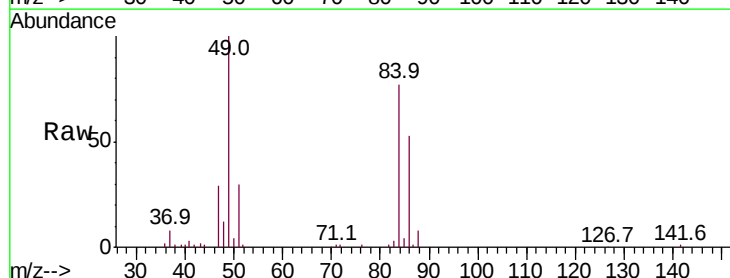
Tot Ion: 73 Resp: 314259
 Ion Ratio Lower Upper
 73 100
 57 16.3 14.3 21.5

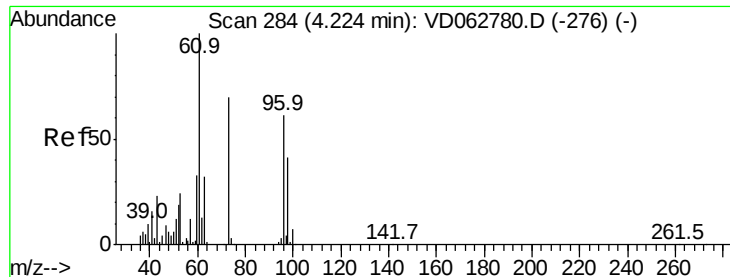


#20

Methylene Chloride
 Concen: 23.107 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Tgt Ion: 84 Resp: 159931
 Ion Ratio Lower Upper
 84 100
 49 129.4 102.9 154.3
 51 38.8 31.2 46.8
 86 68.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.641 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

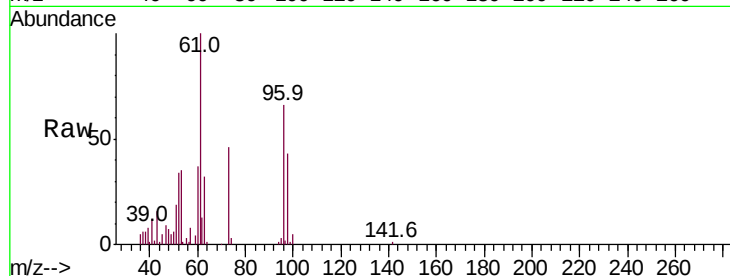
Tot Ion: 96 Resp: 138572

Ion Ratio Lower Upper

96 100

61 151.8 131.0 196.4

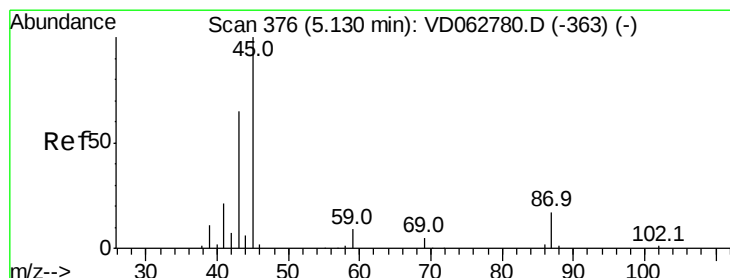
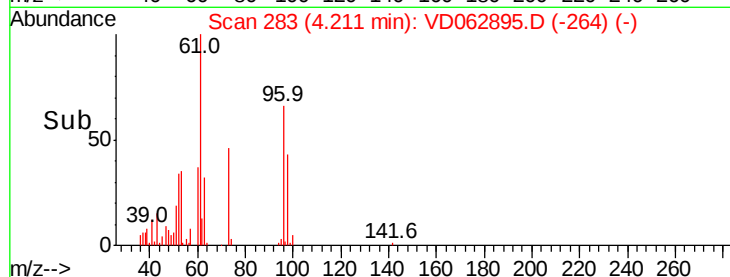
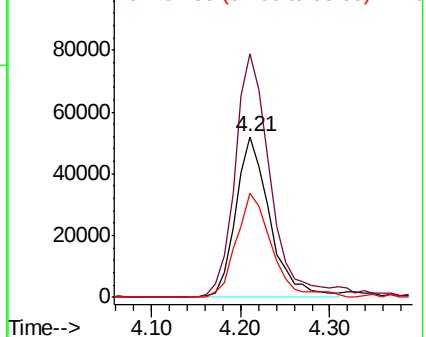
98 65.2 53.2 79.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.595 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Tgt Ion: 45 Resp: 449895

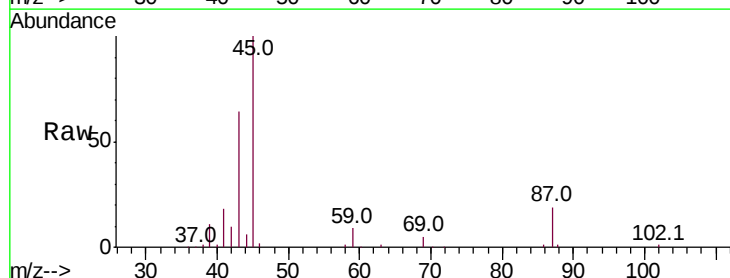
Ion Ratio Lower Upper

45 100

43 63.7 53.4 80.0

87 19.0 14.6 22.0

59 8.6 7.8 11.8

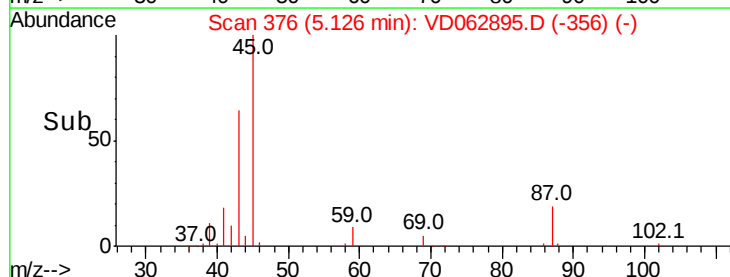
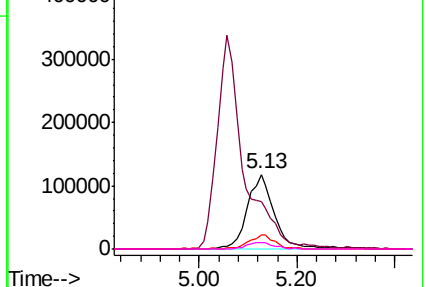


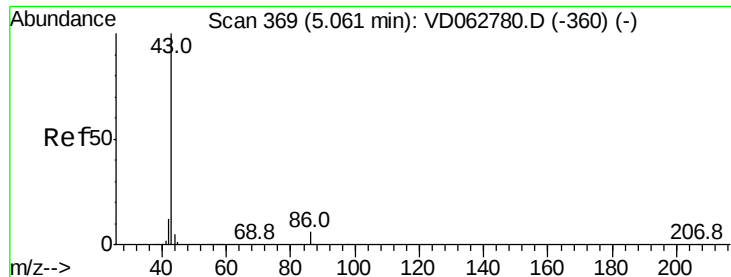
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 102.434 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

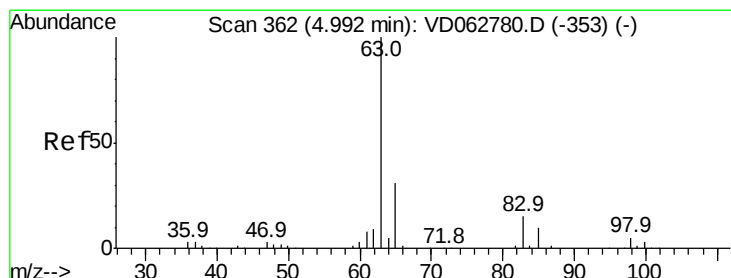
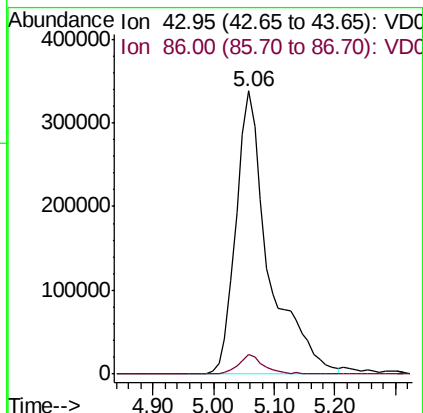
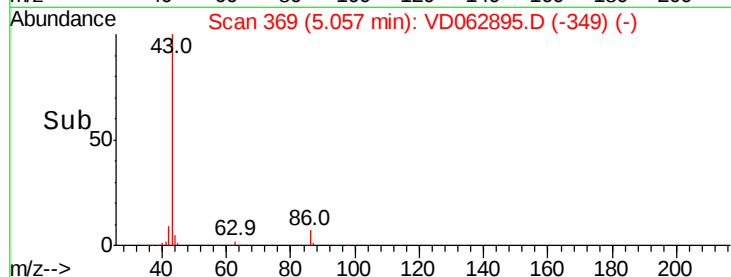
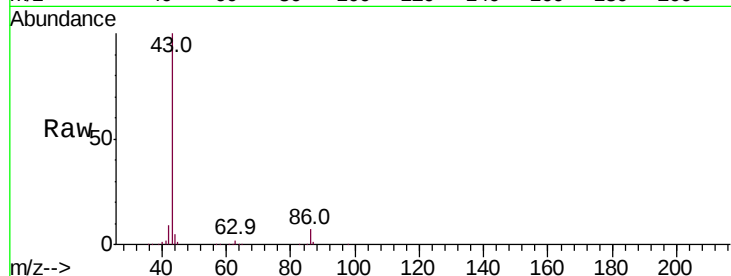
VD0625SBSD02

Tot Ion: 43 Resp: 1276267

Ion Ratio Lower Upper

43 100

86 7.0 4.7 7.1



#24

1,1-Dichloroethane

Concen: 20.280 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

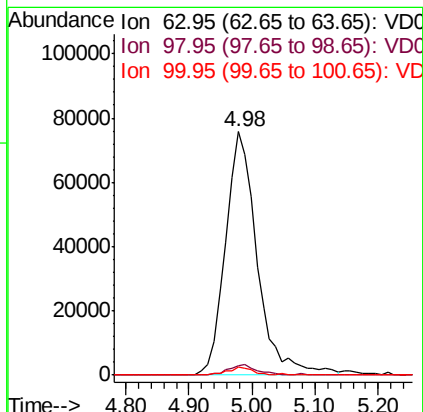
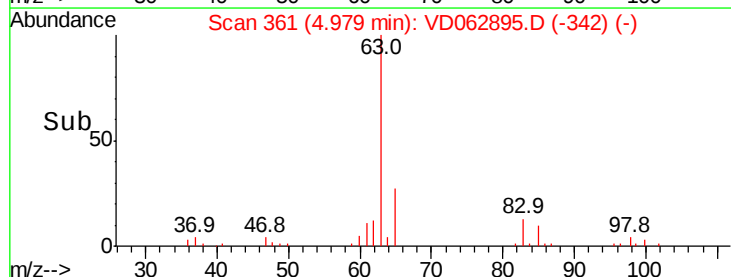
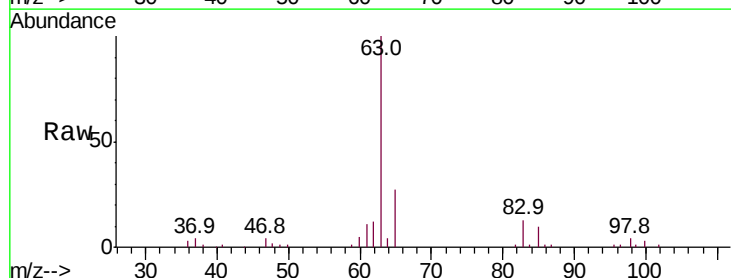
Tgt Ion: 63 Resp: 262908

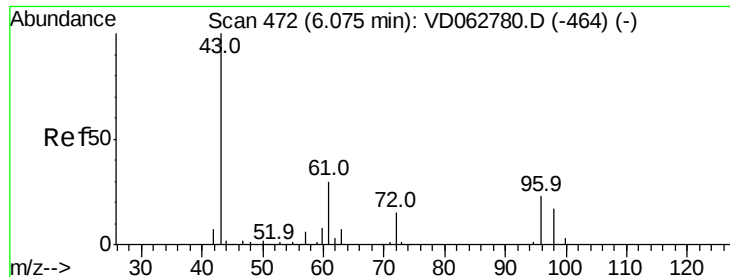
Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 120.369 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

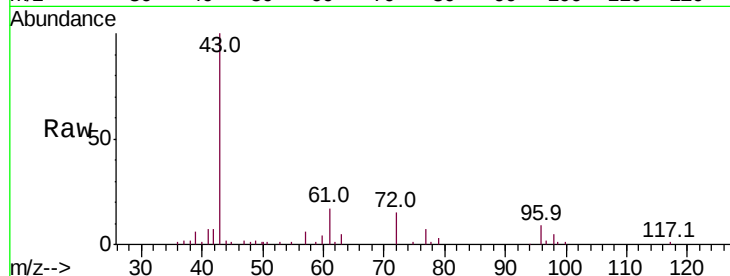
VD0625SBSD02

Tot Ion: 43 Resp: 204312

Ion Ratio Lower Upper

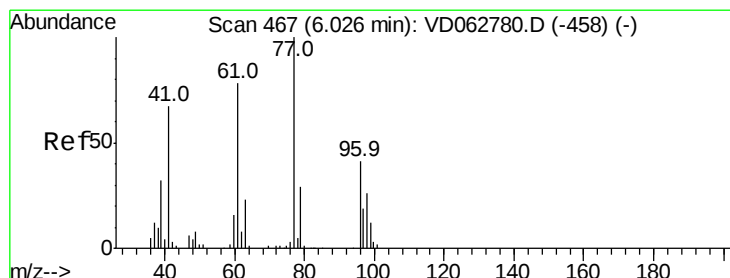
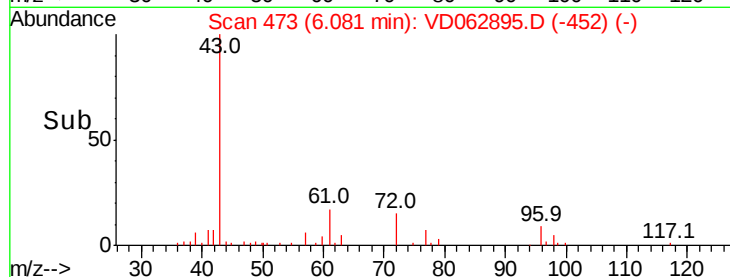
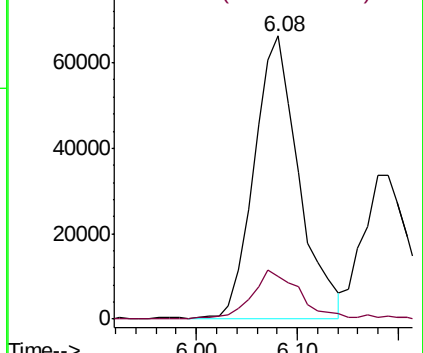
43 100

72 15.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 17.888 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062895.D

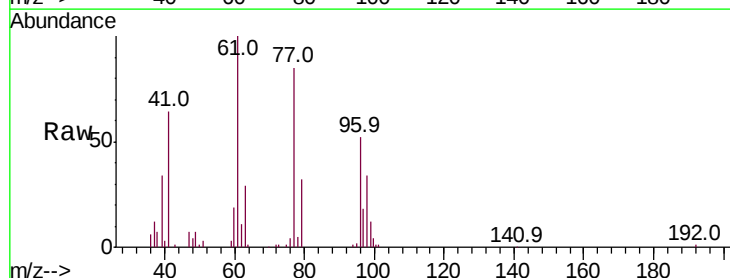
Acq: 26 Jun 2019 1:14

Tgt Ion: 77 Resp: 245803

Ion Ratio Lower Upper

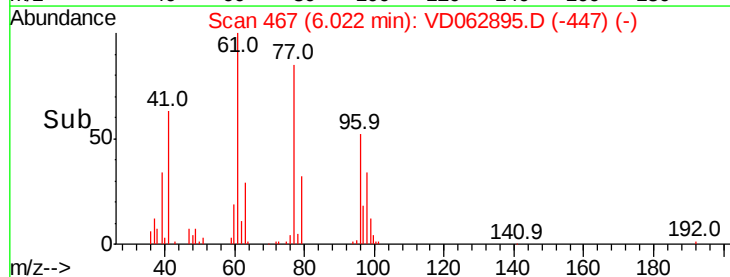
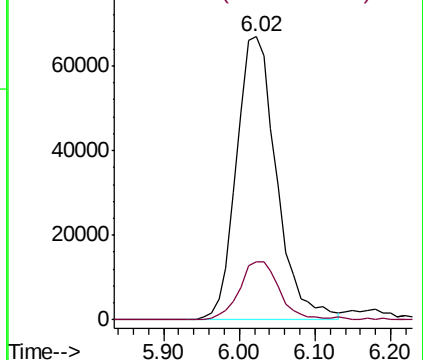
77 100

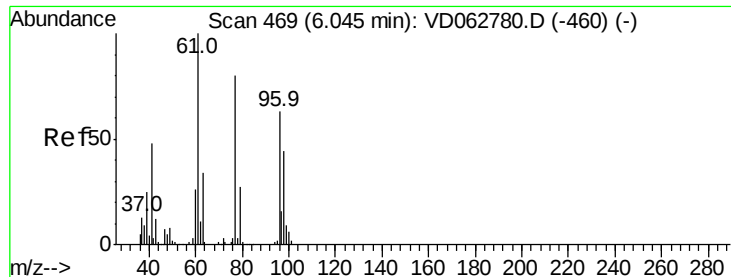
97 20.6 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 22.246 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

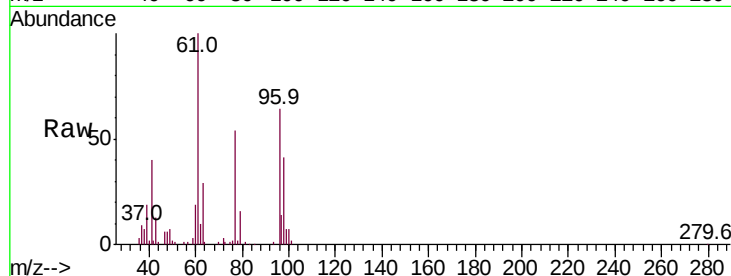
Tot Ion: 96 Resp: 165981

Ion Ratio Lower Upper

96 100

61 155.6 0.0 316.0

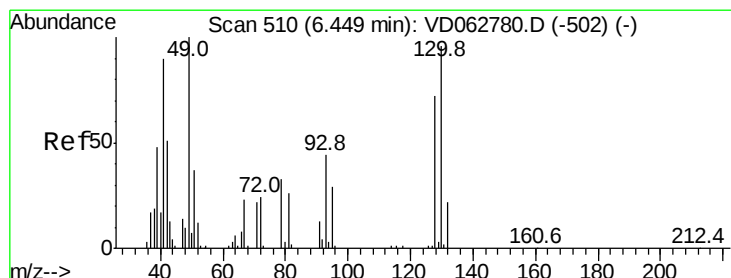
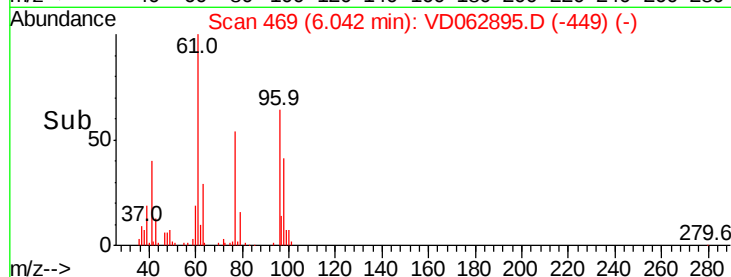
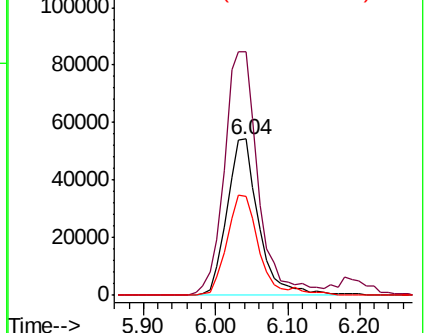
98 63.6 0.0 138.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 24.408 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

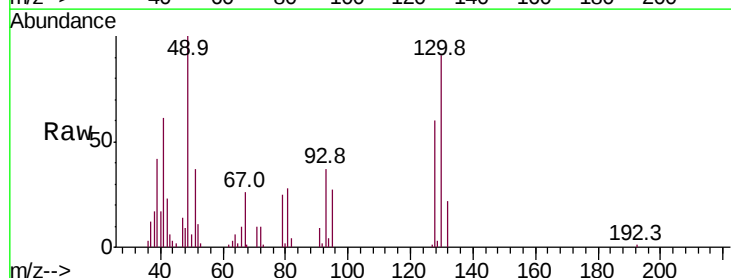
Tgt Ion: 49 Resp: 111445

Ion Ratio Lower Upper

49 100

129 2.7 0.0 5.6

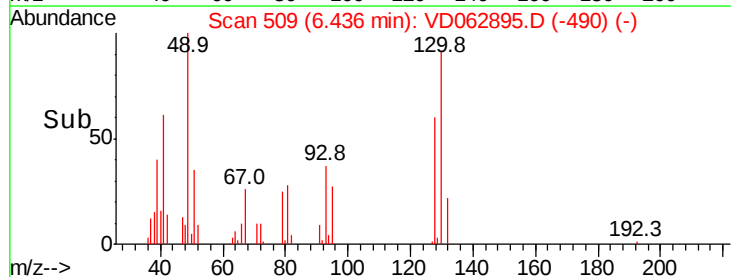
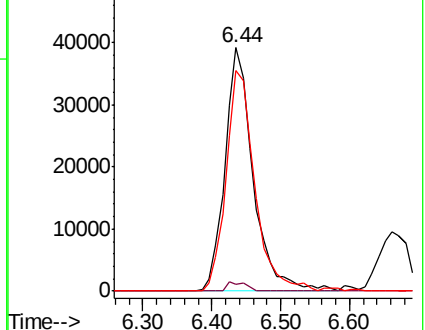
130 90.8 76.6 114.8

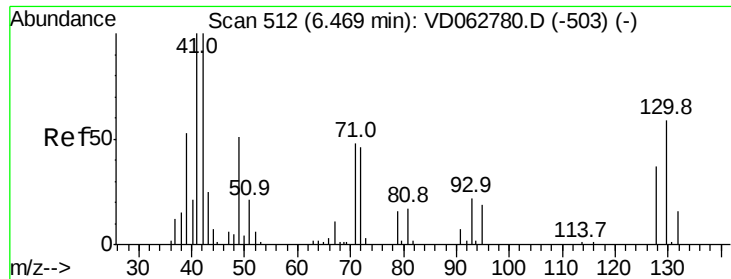


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

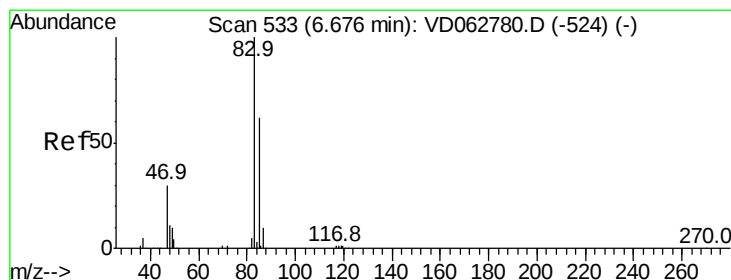
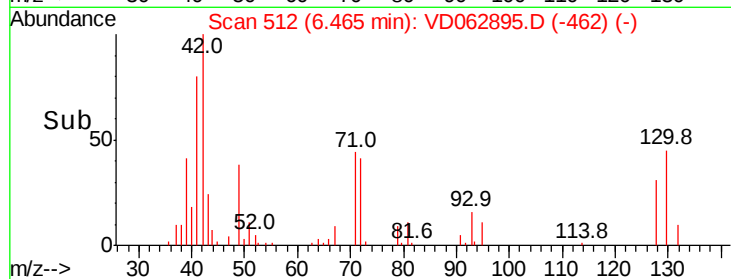
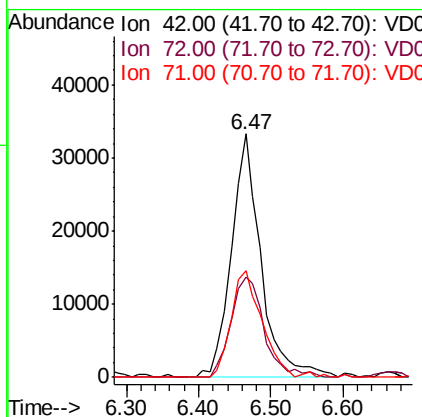
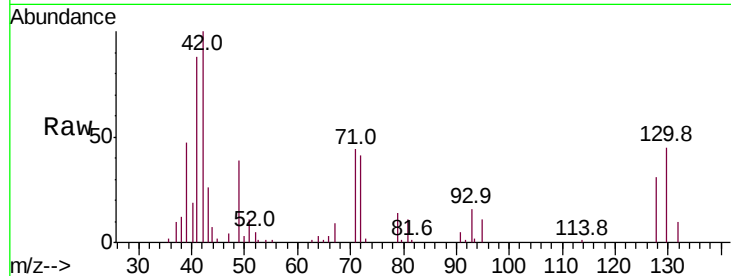




#29
Tetrahydrofuran
Concen: 118.651 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

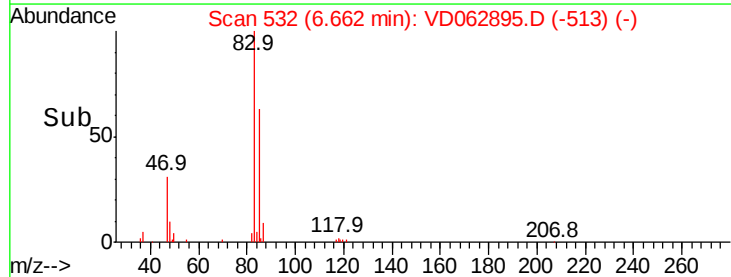
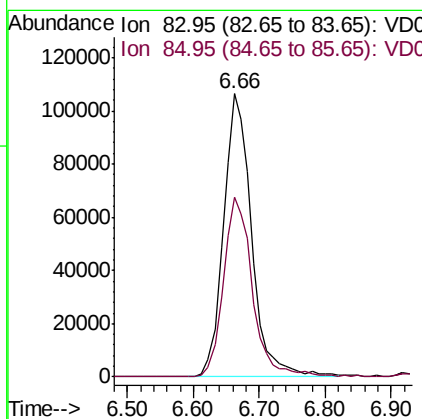
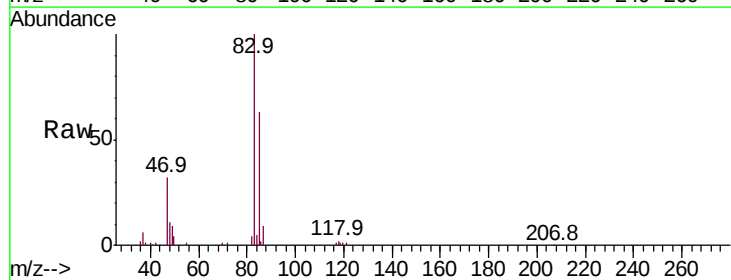
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

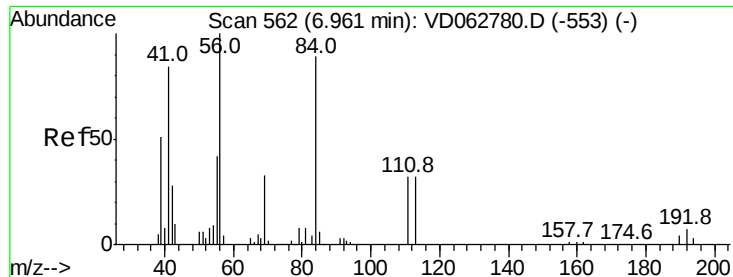
Tot Ion: 42 Resp: 95288
Ion Ratio Lower Upper
42 100
72 46.2 35.0 52.6
71 45.4 33.3 49.9



#30
Chloroform
Concen: 20.036 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion: 83 Resp: 315894
Ion Ratio Lower Upper
83 100
85 63.5 49.8 74.6

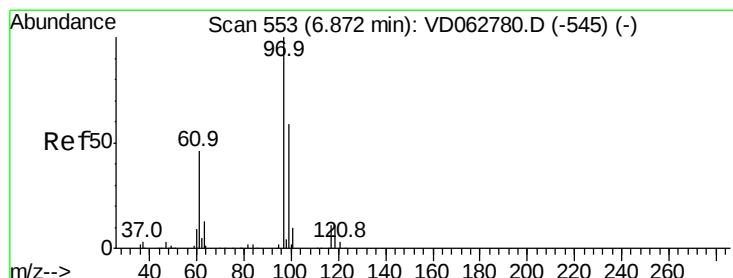
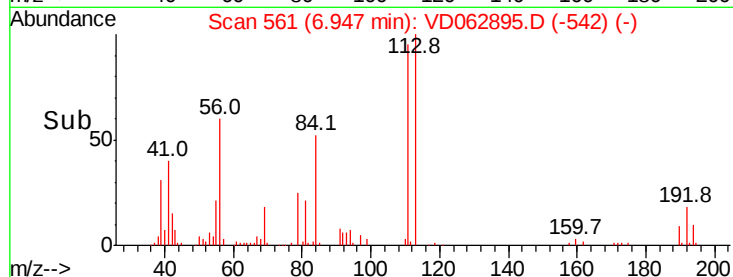
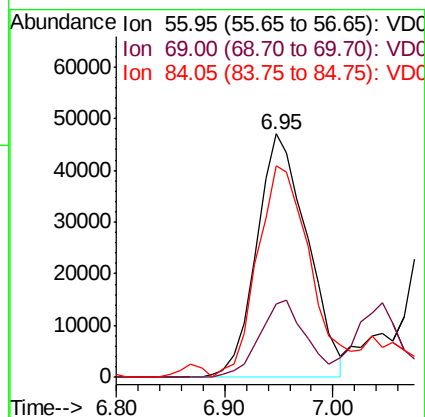
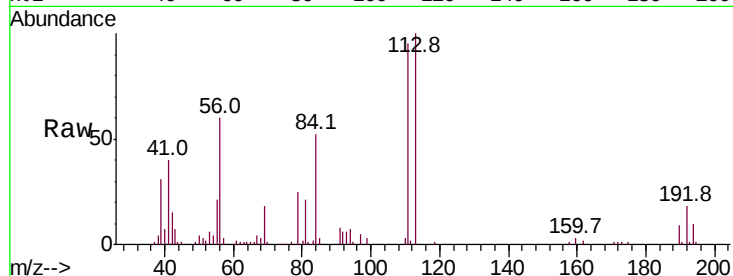




#31
Cvclohexane
Concen: 18.035 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

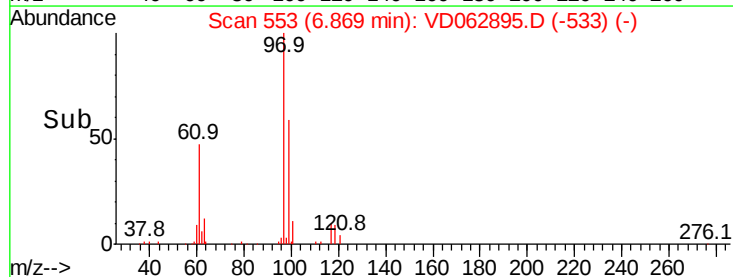
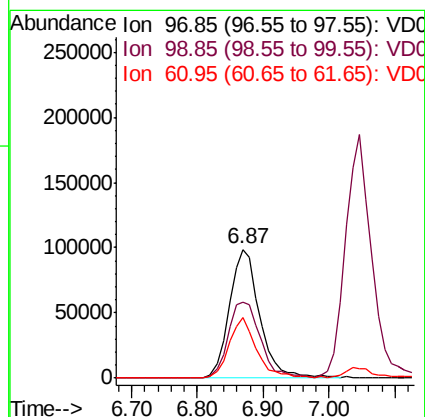
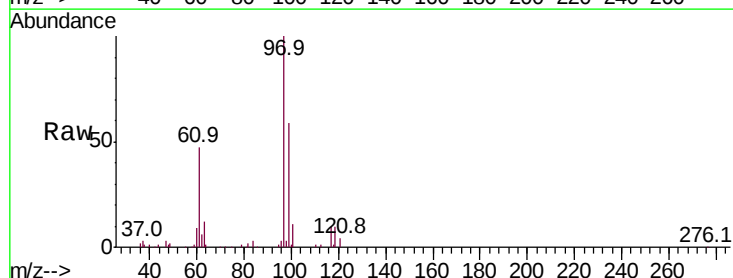
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

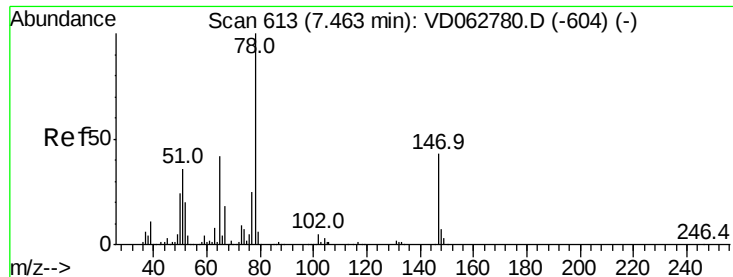
Tot Ion: 56 Resp: 153701
Ion Ratio Lower Upper
56 100
69 30.1 26.6 39.8
84 87.1 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 19.333 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion: 97 Resp: 317467
Ion Ratio Lower Upper
97 100
99 59.1 47.4 71.2
61 47.2 37.2 55.8

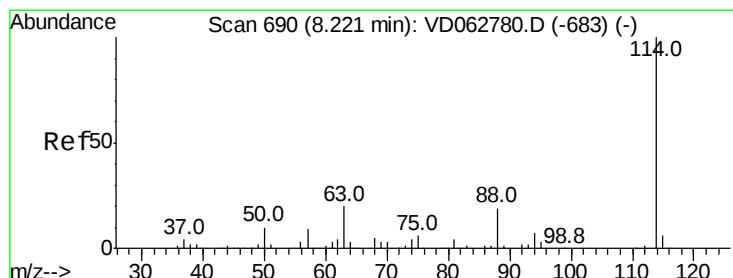
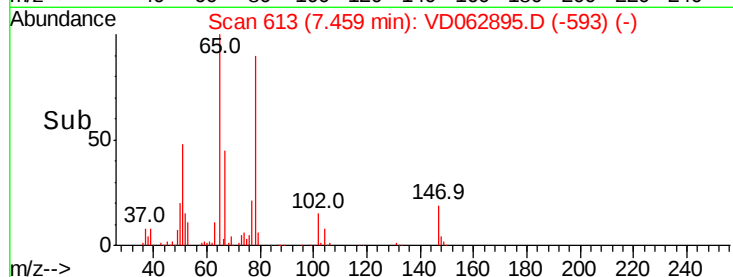
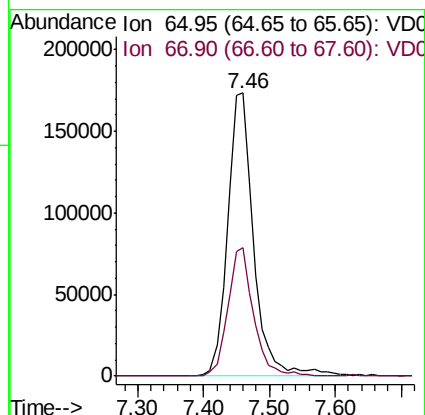
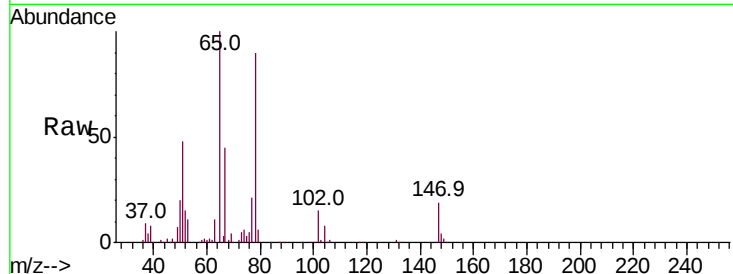




#33
 1,2-Dichloroethane-d4
 Concen: 52.771 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

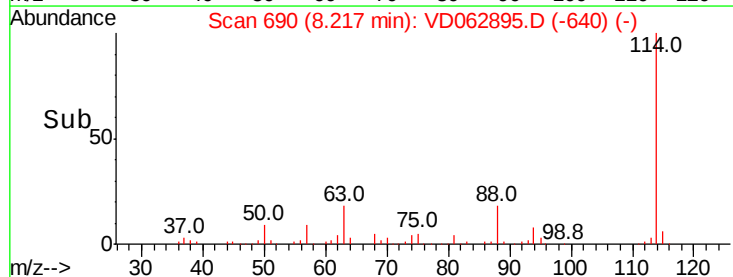
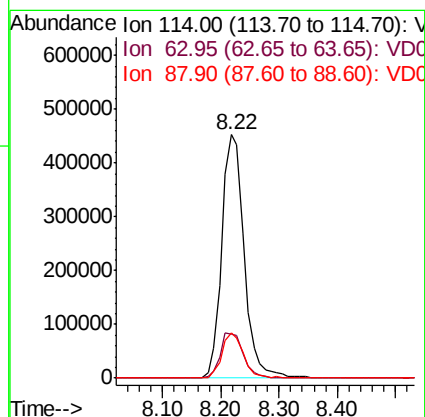
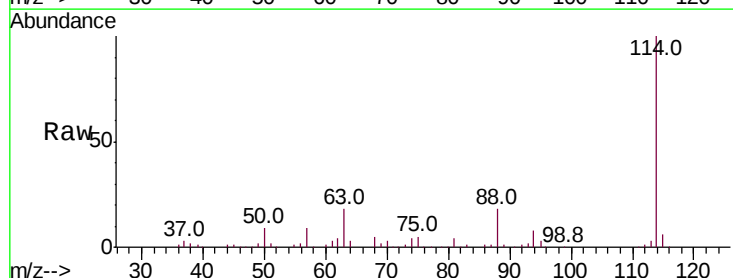
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

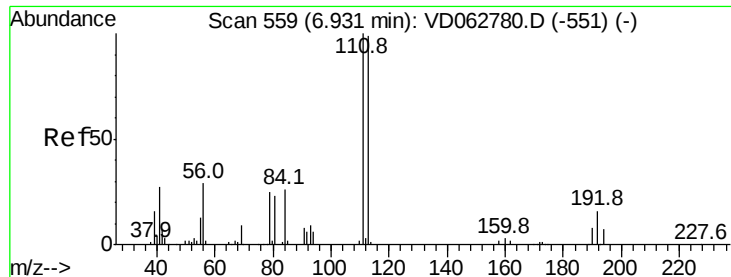
Tot Ion: 65 Resp: 478922
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Tgt Ion: 114 Resp: 1207051
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 40.0
 88 18.3 0.0 38.8

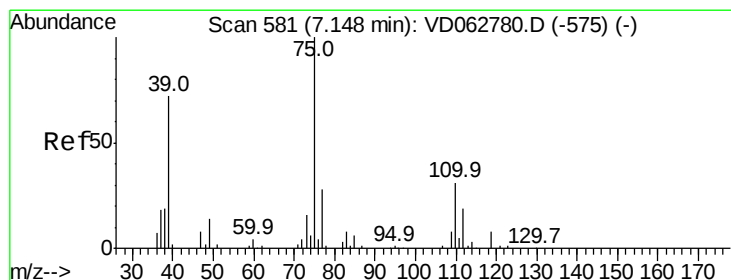
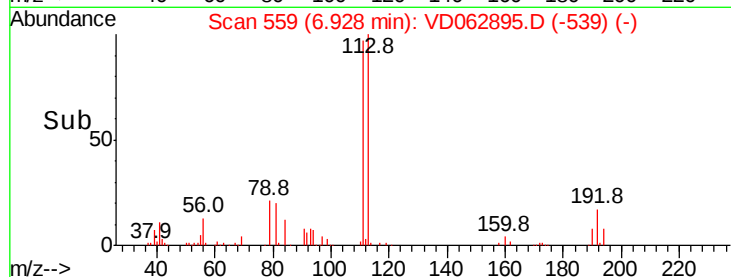
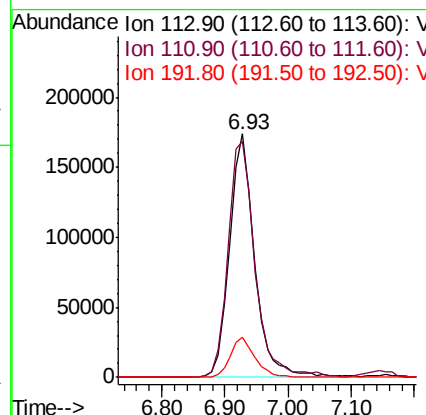
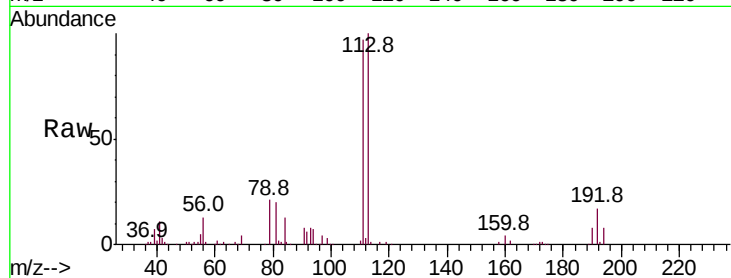




#35
 Dibromofluoromethane
 Concen: 46.938 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

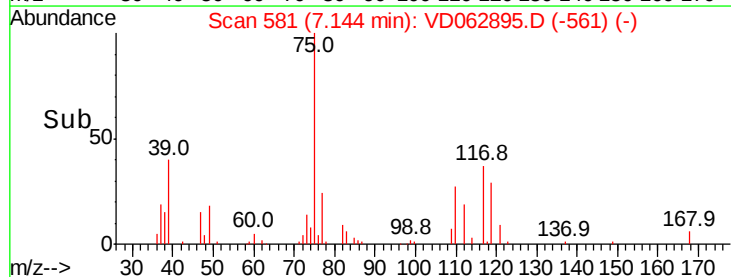
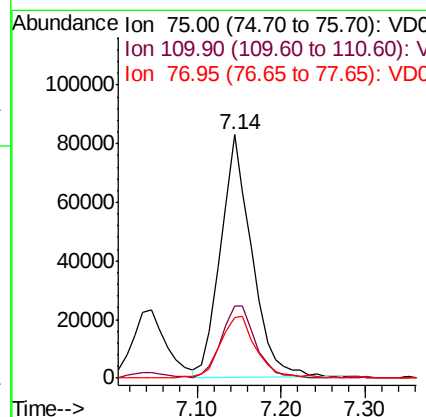
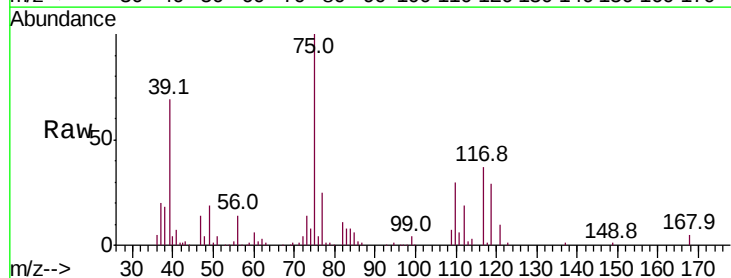
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

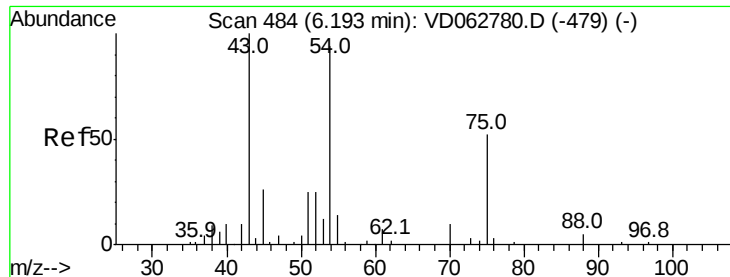
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.1	81.2	121.8
192	16.7	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 18.734 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.8	15.0	45.1
77	24.8	22.2	33.2

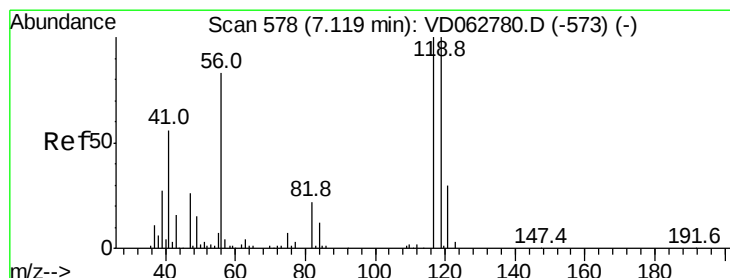
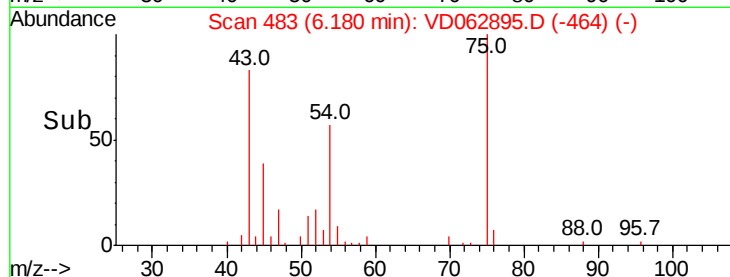
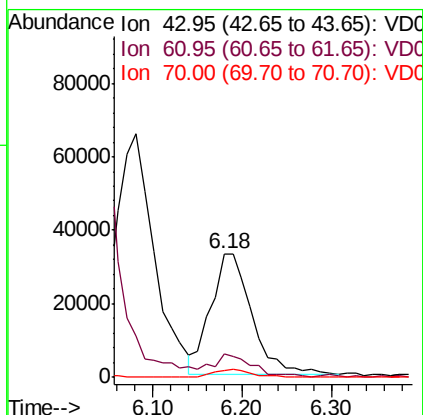
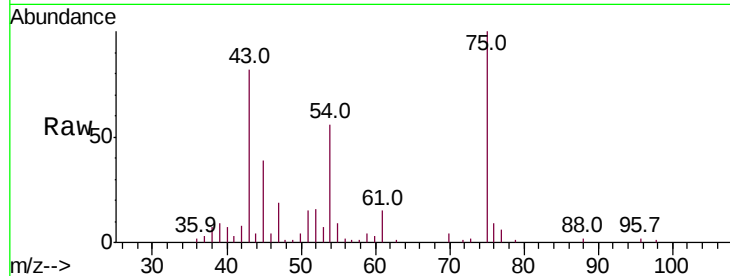




#37
Ethyl Acetate
Concen: 21.539 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

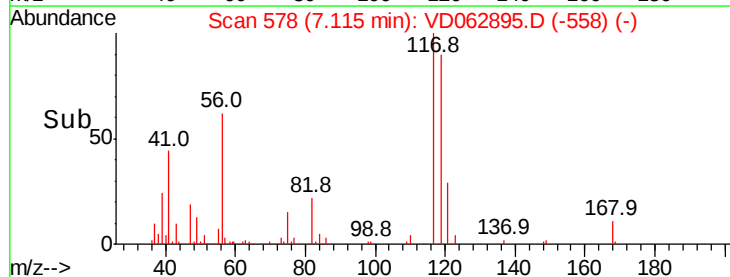
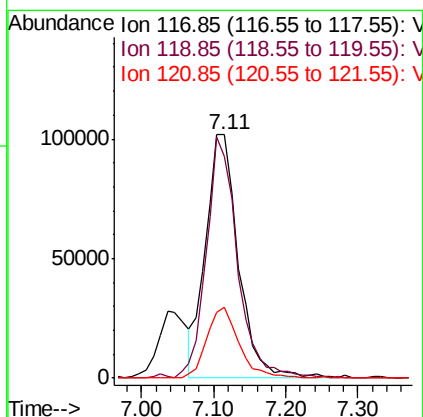
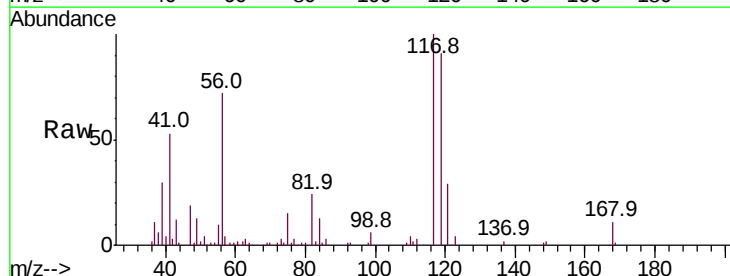
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

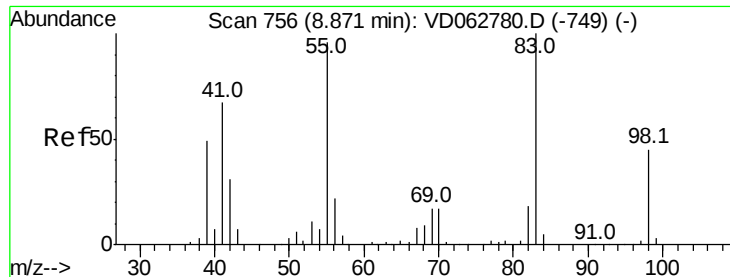
Tot Ion: 43 Resp: 106394
Ion Ratio Lower Upper
43 100
61 18.6 11.6 17.4#
70 5.4 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 18.509 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion: 117 Resp: 318070
Ion Ratio Lower Upper
117 100
119 91.2 75.4 113.2
121 28.9 22.3 33.5

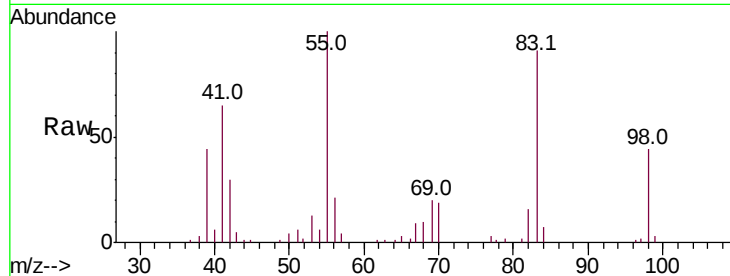




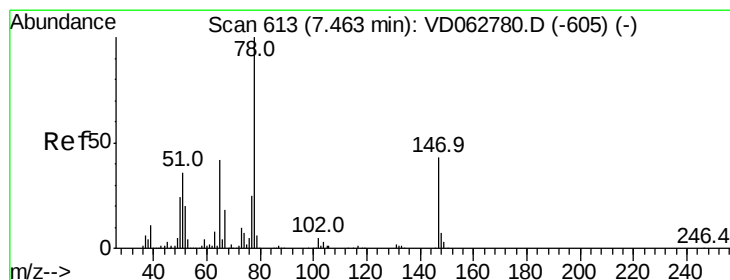
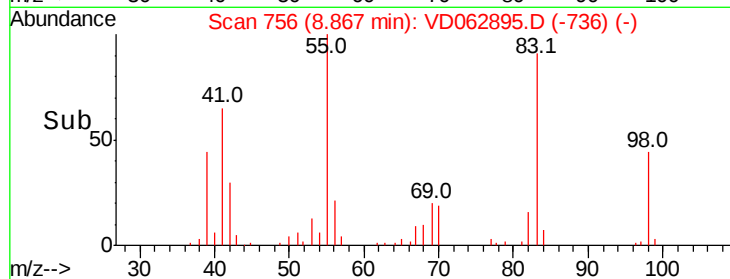
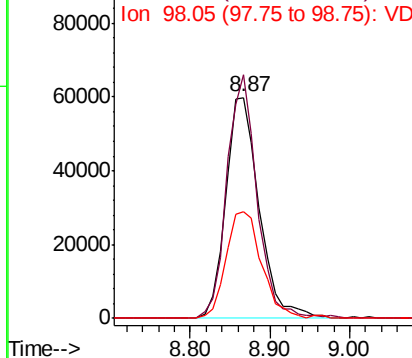
#39
Methvlcvclohexane
Concen: 17.453 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

Tot Ion: 83 Resp: 175541
Ion Ratio Lower Upper
83 100
55 110.4 76.6 115.0
98 48.2 35.7 53.5

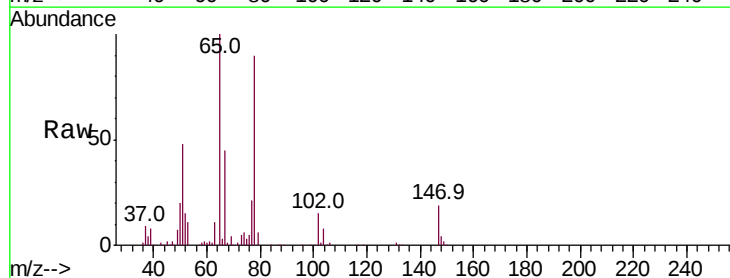


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

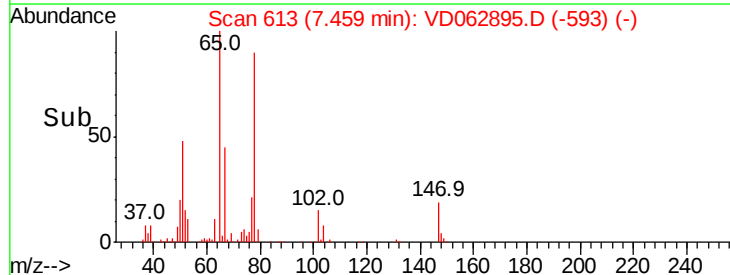
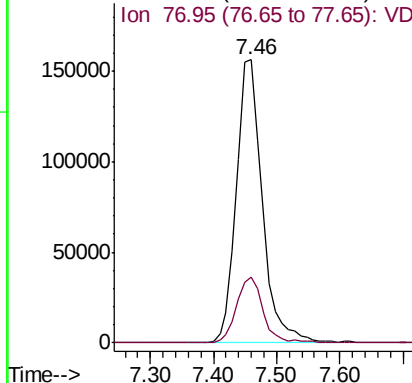


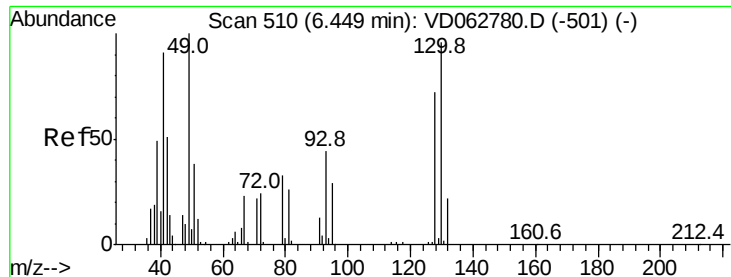
#40
Benzene
Concen: 19.362 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion: 78 Resp: 444102
Ion Ratio Lower Upper
78 100
77 23.3 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.135 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

Tot Ion: 41 Resp: 127354

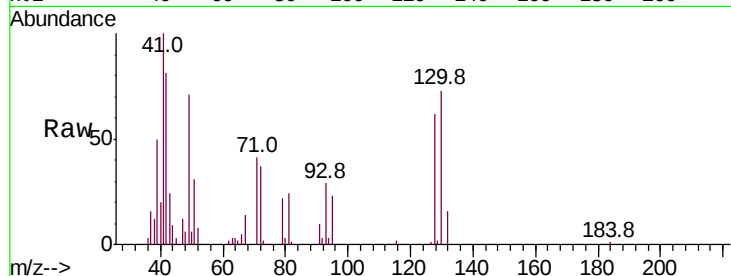
Ion Ratio Lower Upper

41 100

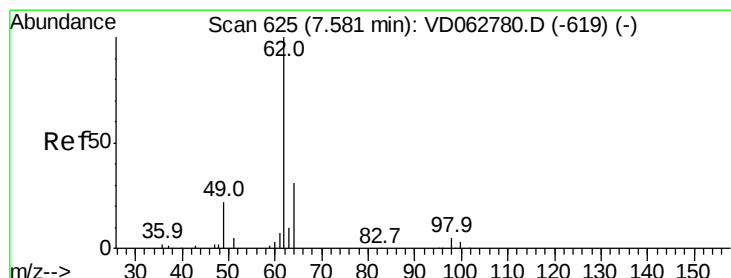
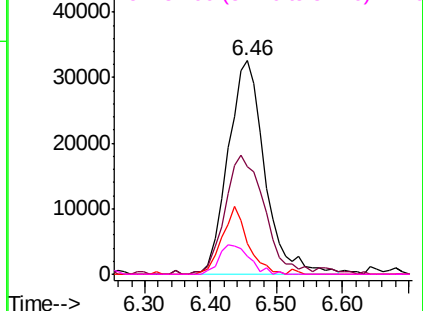
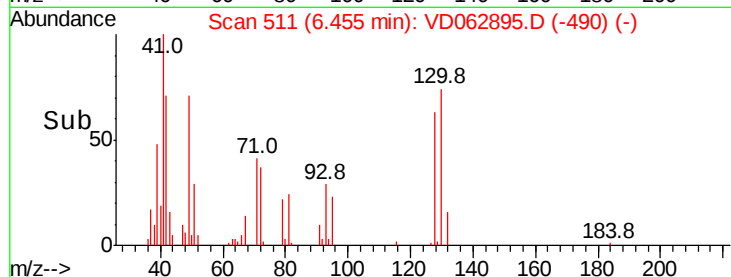
39 50.3 43.2 64.8

67 14.2 19.9 29.9#

52 8.1 10.2 15.4#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.684 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD062895.D

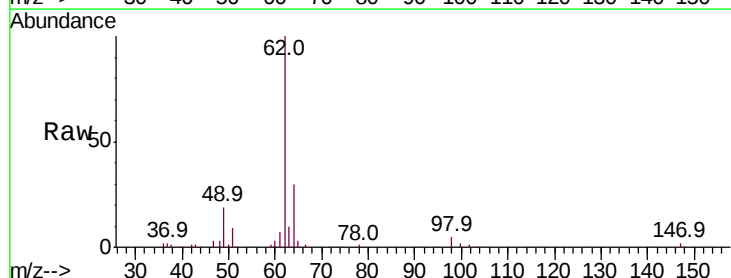
Acq: 26 Jun 2019 1:14

Tgt Ion: 62 Resp: 258809

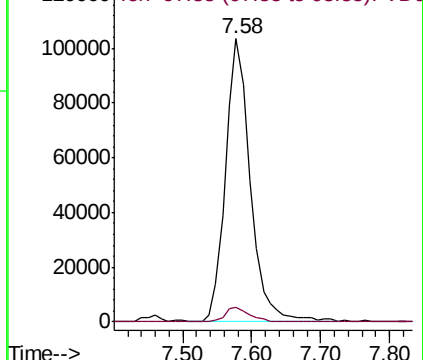
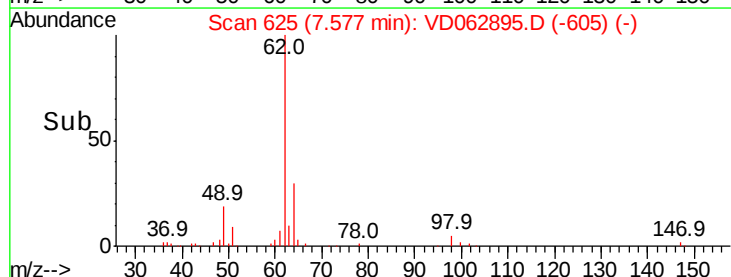
Ion Ratio Lower Upper

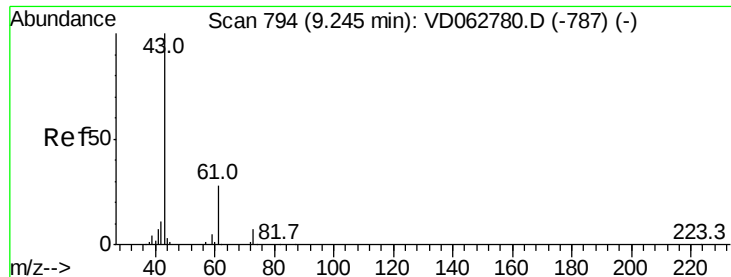
62 100

98 5.1 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.610 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

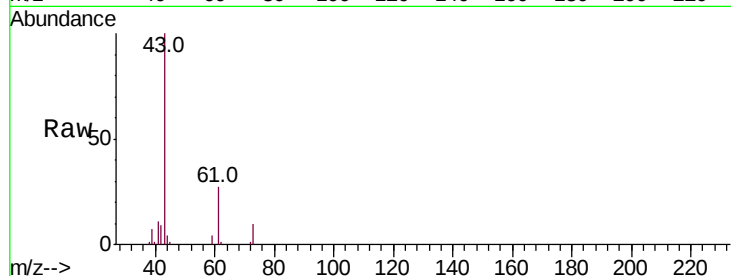
Tot Ion: 43 Resp: 135442

Ion Ratio Lower Upper

43 100

61 26.8 22.4 33.6

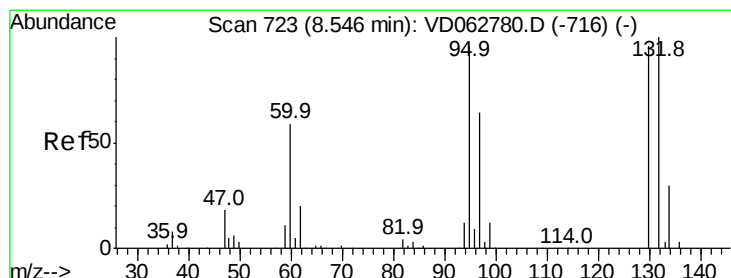
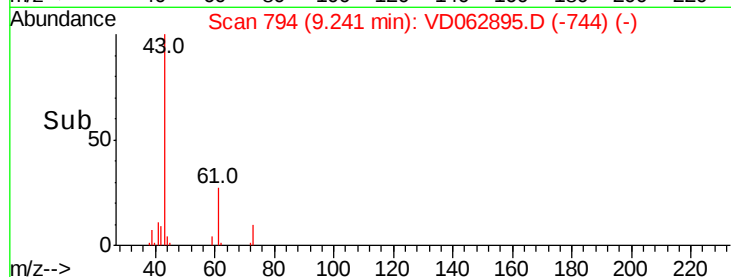
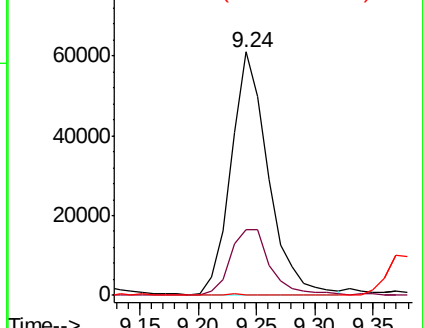
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 18.996 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062895.D

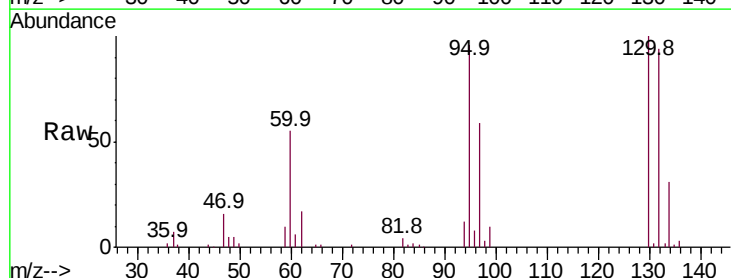
Acq: 26 Jun 2019 1:14

Tgt Ion:130 Resp: 170813

Ion Ratio Lower Upper

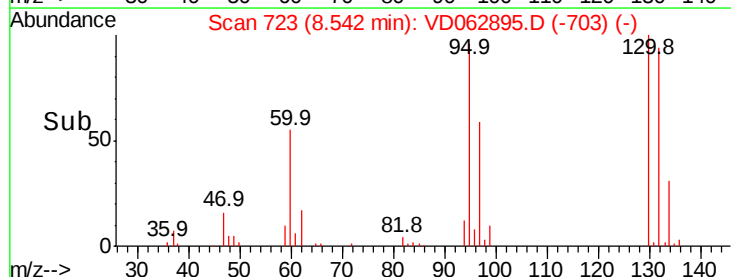
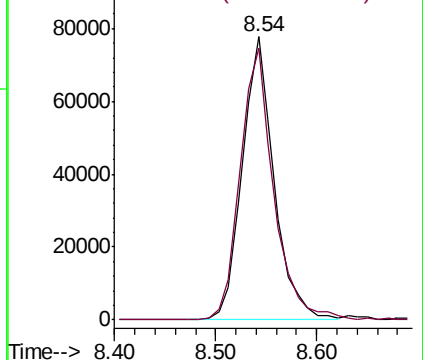
130 100

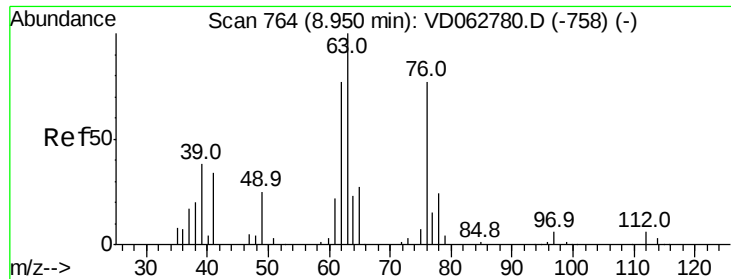
95 96.0 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.844 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

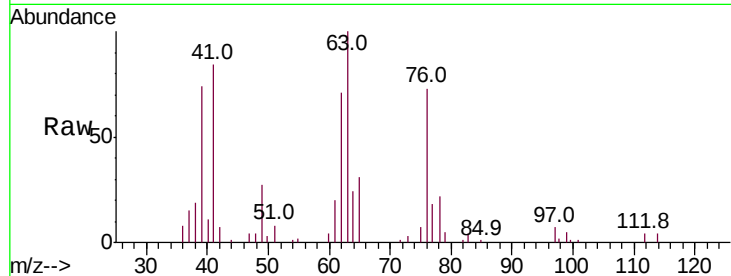
VD0625SBSD02

Tot Ion: 63 Resp: 113176

Ion Ratio Lower Upper

63 100

65 31.4 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

50000

40000

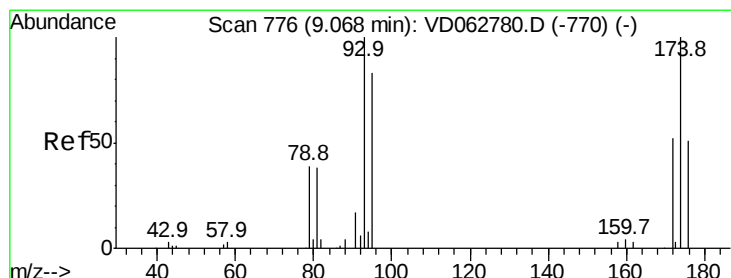
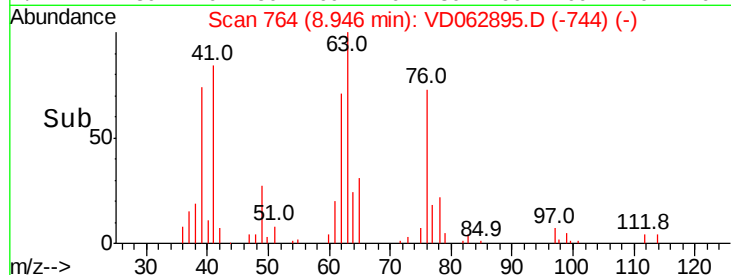
30000

20000

10000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 20.882 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

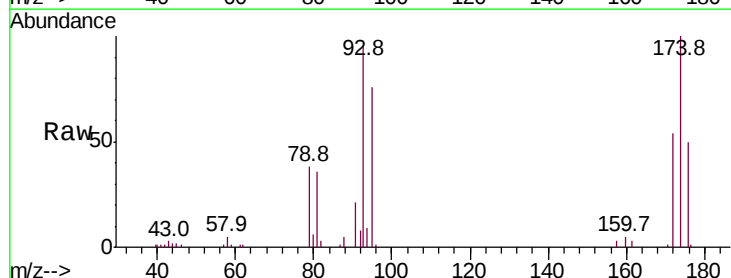
Tgt Ion: 93 Resp: 102307

Ion Ratio Lower Upper

93 100

95 79.9 66.6 100.0

174 104.8 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

60000

50000

40000

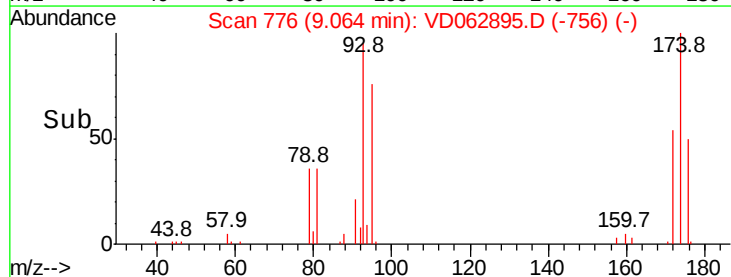
30000

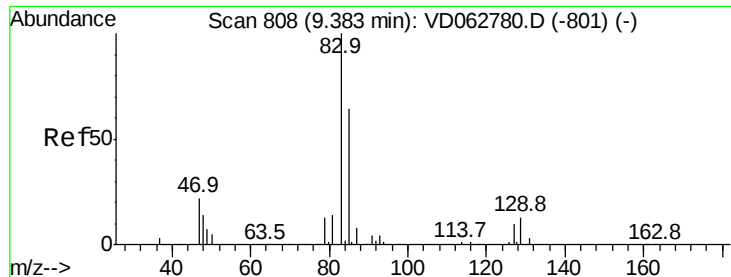
20000

10000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 20.686 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

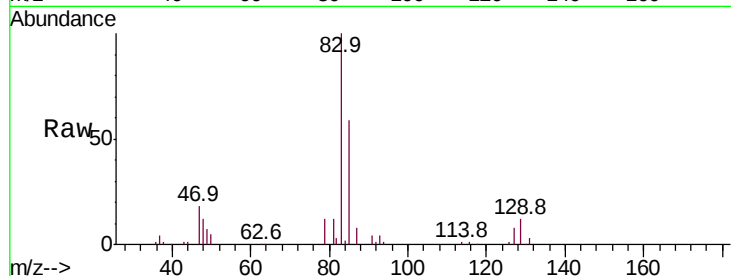
Tot Ion: 83 Resp: 263199

Ion Ratio Lower Upper

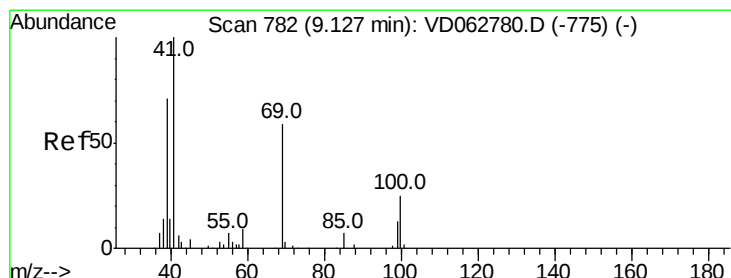
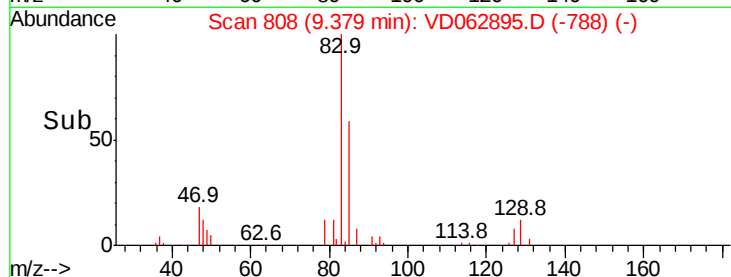
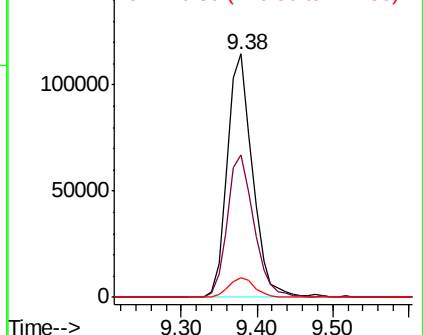
83 100

85 58.5 51.6 77.4

127 8.0 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.412 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

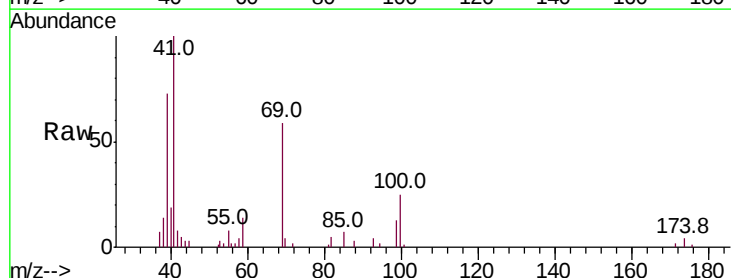
Tgt Ion: 41 Resp: 91150

Ion Ratio Lower Upper

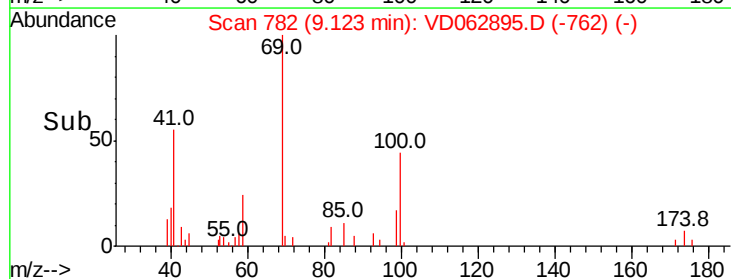
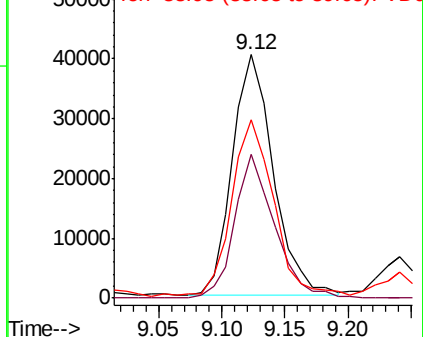
41 100

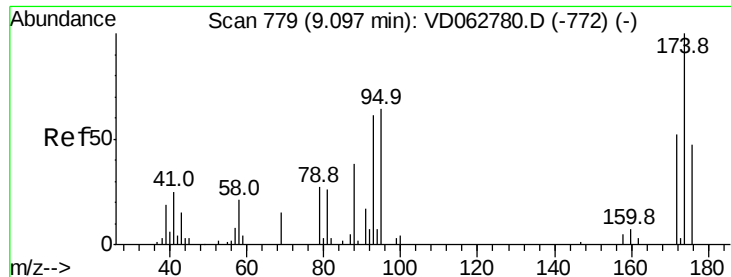
69 58.8 47.2 70.8

39 73.3 57.4 86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

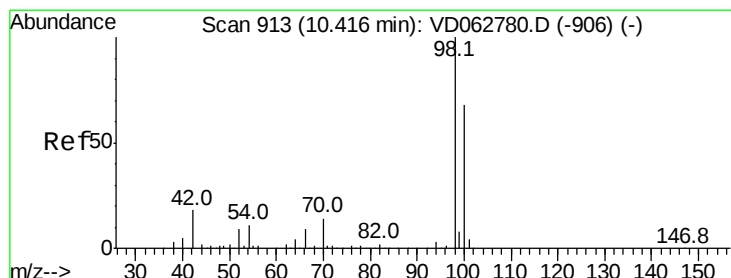
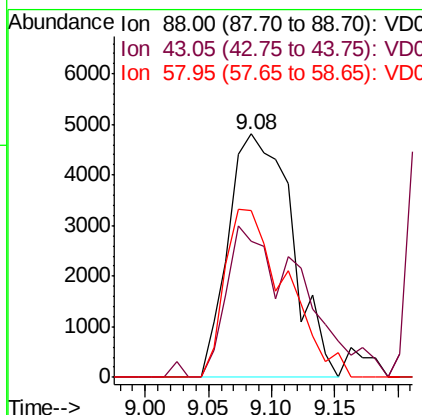
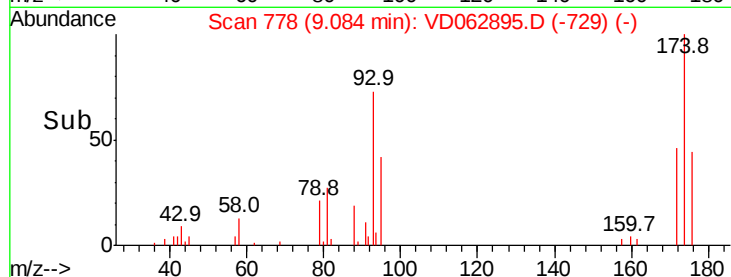
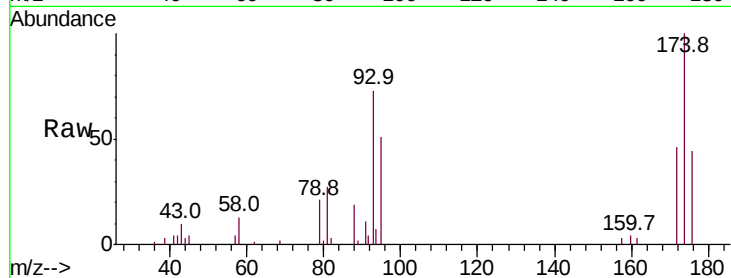




#49
1,4-Dioxane
Concen: 473.332 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

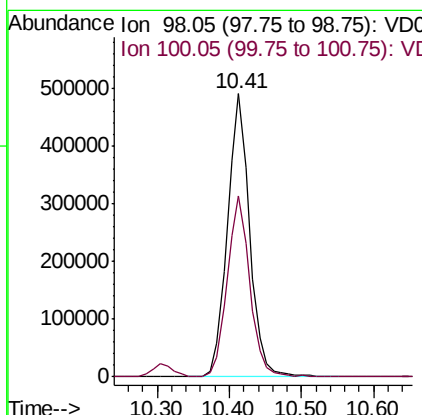
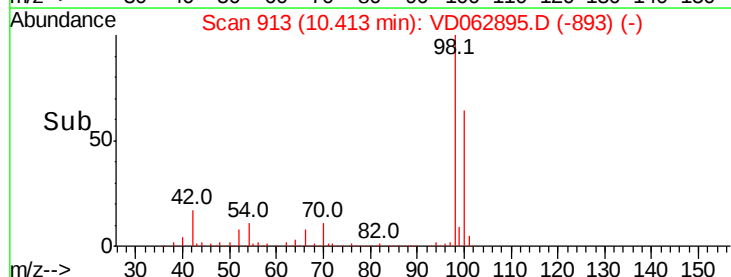
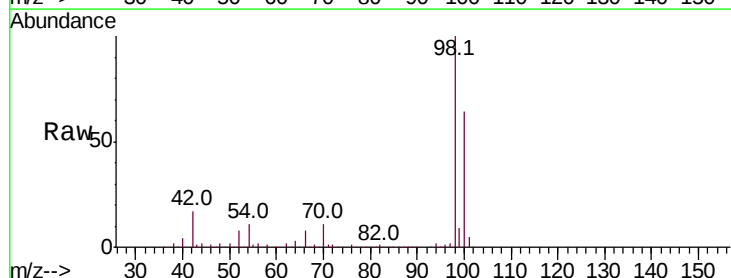
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

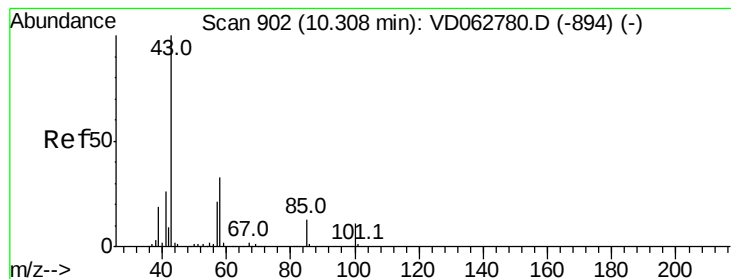
Tot Ion: 88 Resp: 16764
Ion Ratio Lower Upper
88 100
43 56.2 32.1 48.1#
58 68.6 44.1 66.1#



#50
Toluene-d8
Concen: 47.444 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion: 98 Resp: 1050970
Ion Ratio Lower Upper
98 100
100 63.8 54.7 82.1





#51

4-Methyl-2-Pentanone

Concen: 114.170 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

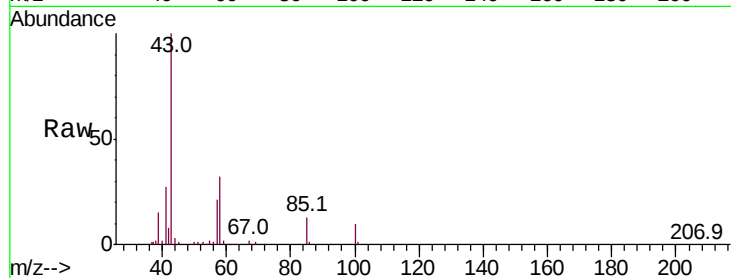
VD0625SBSD02

Tot Ion: 43 Resp: 484904

Ion Ratio Lower Upper

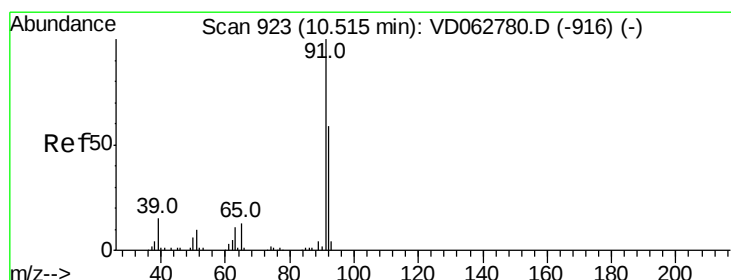
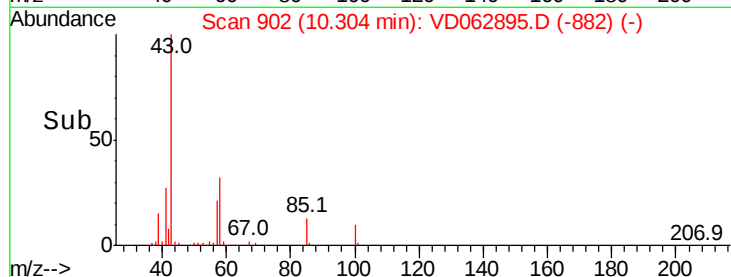
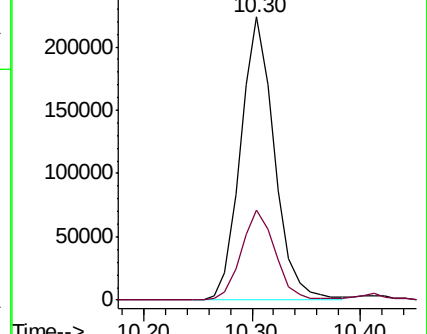
43 100

58 32.0 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.593 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062895.D

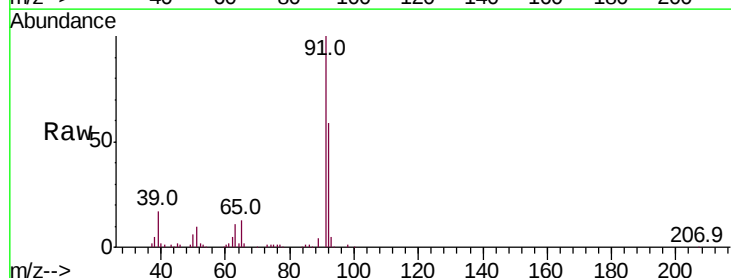
Acq: 26 Jun 2019 1:14

Tgt Ion: 92 Resp: 302088

Ion Ratio Lower Upper

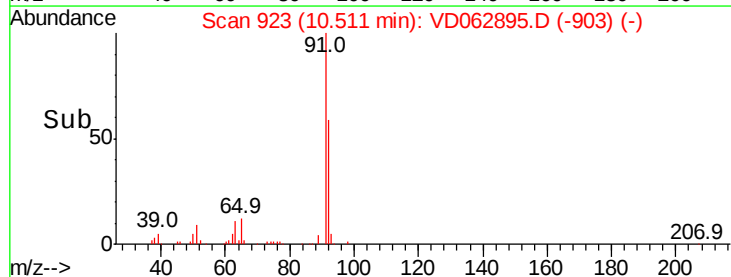
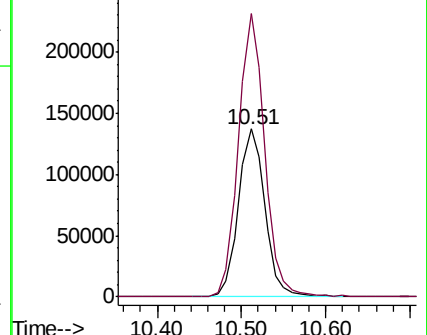
92 100

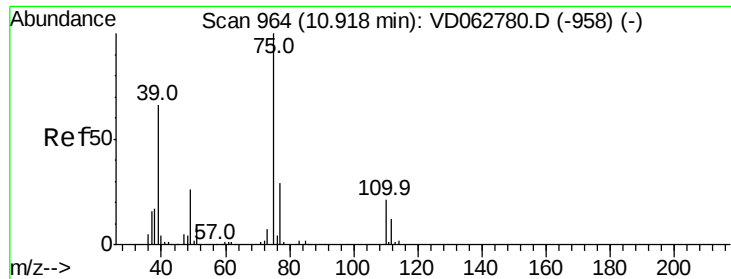
91 168.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

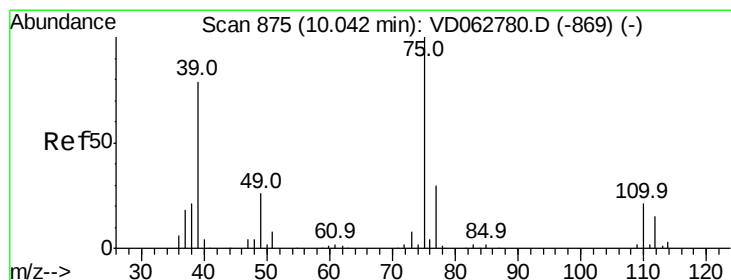
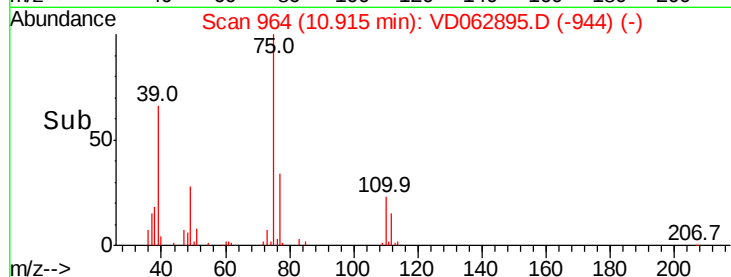
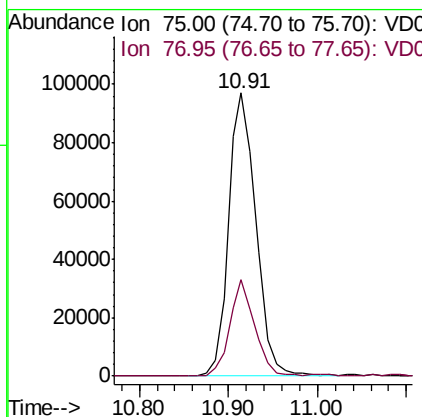
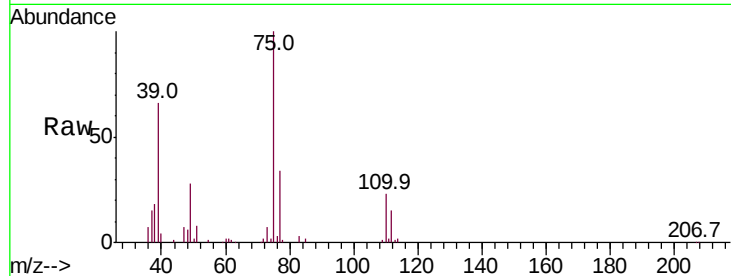




#53
 t-1,3-Dichloropropene
 Concen: 19.984 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

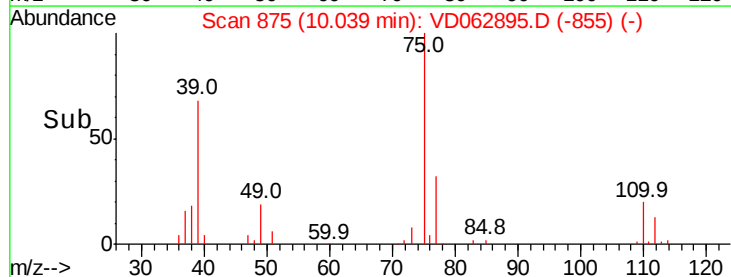
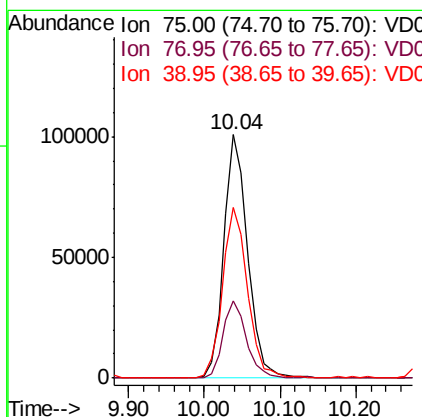
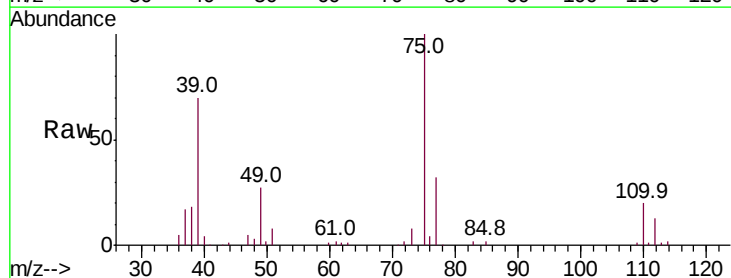
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

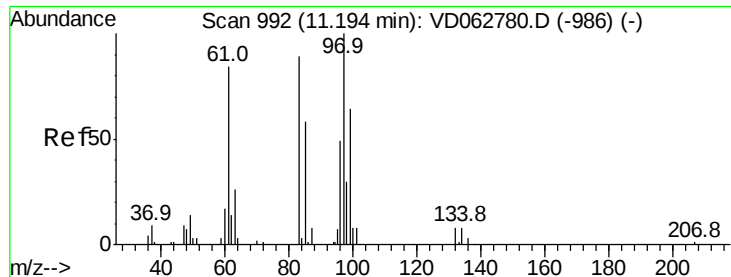
Tot Ion: 75 Resp: 208122
 Ion Ratio Lower Upper
 75 100
 77 34.2 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.370 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Tgt Ion: 75 Resp: 219255
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.2 36.2
 39 70.2 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 21.174 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

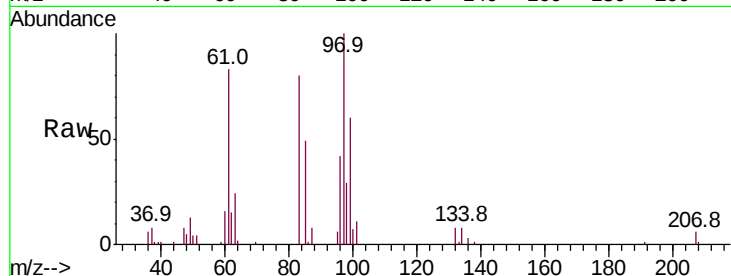
MSVOA_D

ClientSampleId :

VD0625SBSD02

Tot Ion: 97 Resp: 112159

Ion	Ratio	Lower	Upper
97	100		
83	80.4	71.0	106.4
85	48.7	46.6	69.8
99	59.9	51.4	77.0



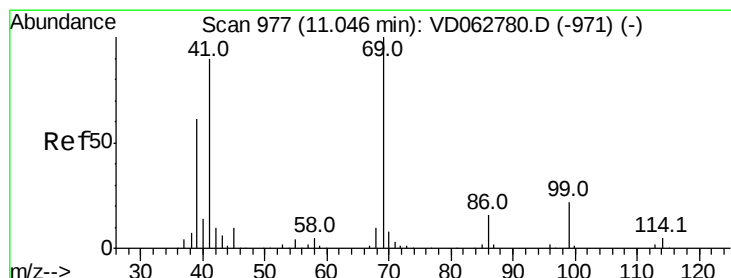
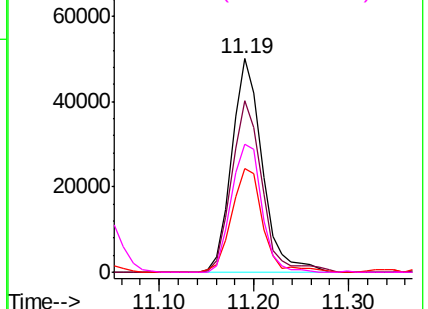
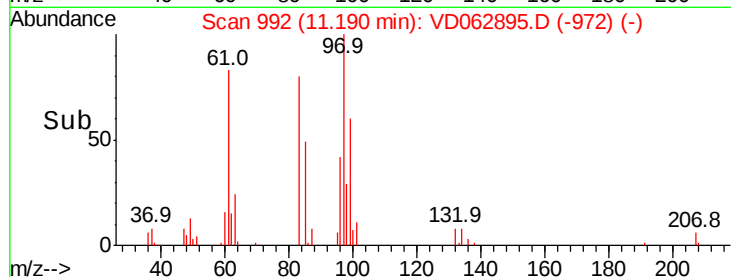
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.276 ug/l

RT: 11.04 min Scan# 977

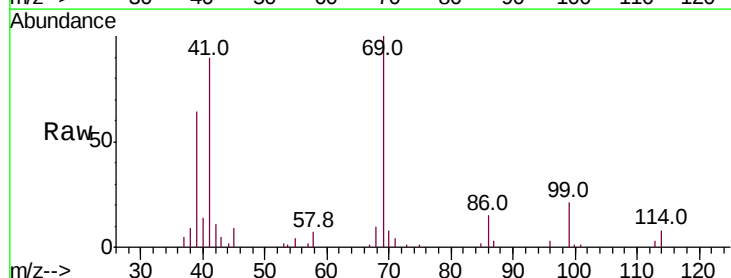
Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Tgt Ion: 69 Resp: 120442

Ion	Ratio	Lower	Upper
69	100		
41	90.0	72.0	108.0
39	64.2	49.5	74.3

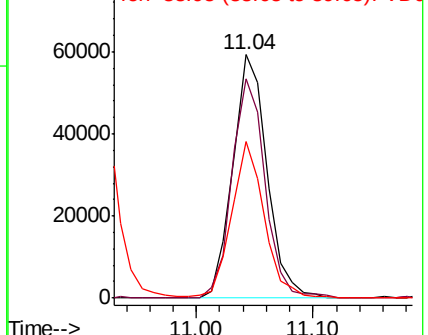
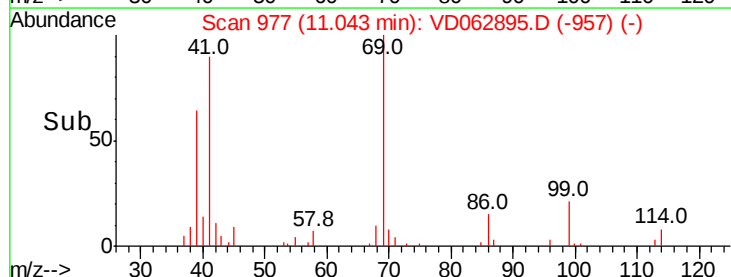


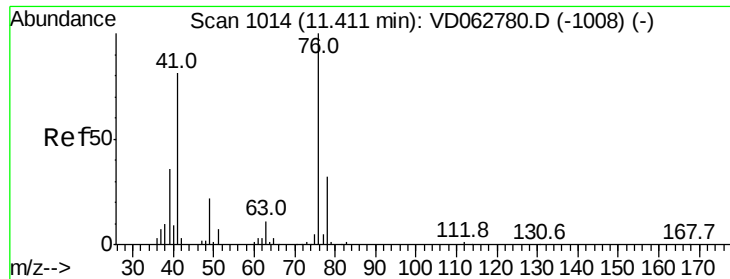
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.085 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

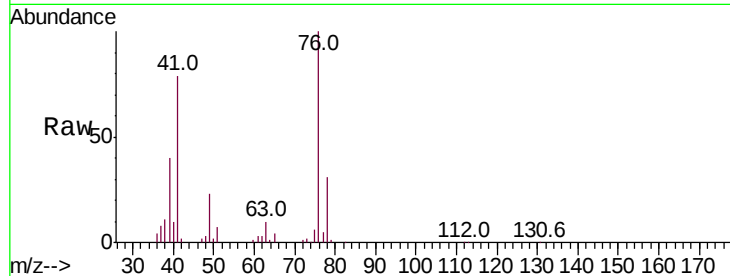
VD0625SBSD02

Tot Ion: 76 Resp: 171014

Ion Ratio Lower Upper

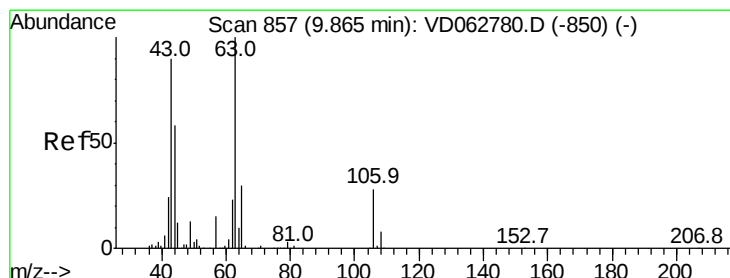
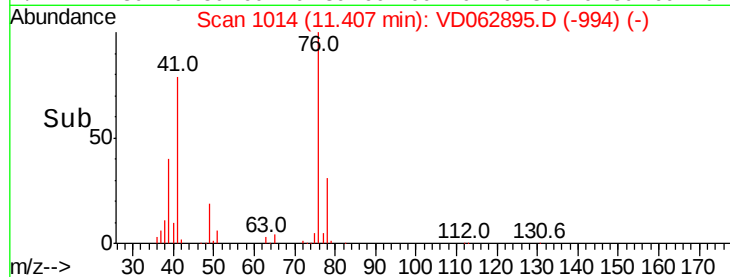
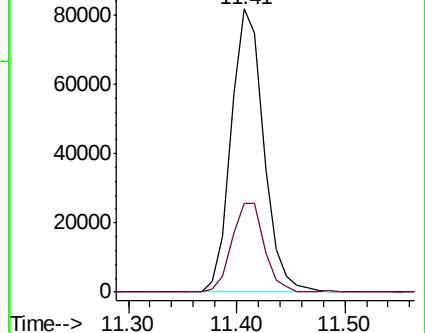
76 100

78 31.4 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 110.048 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062895.D

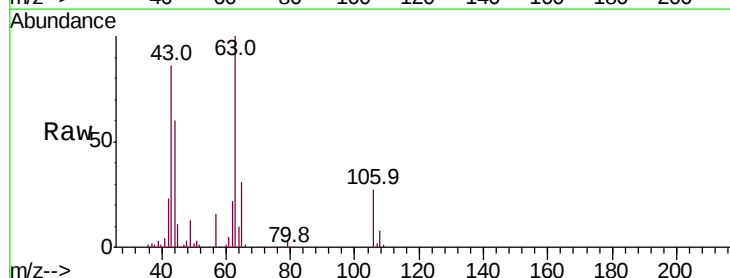
Acq: 26 Jun 2019 1:14

Tgt Ion: 63 Resp: 319821

Ion Ratio Lower Upper

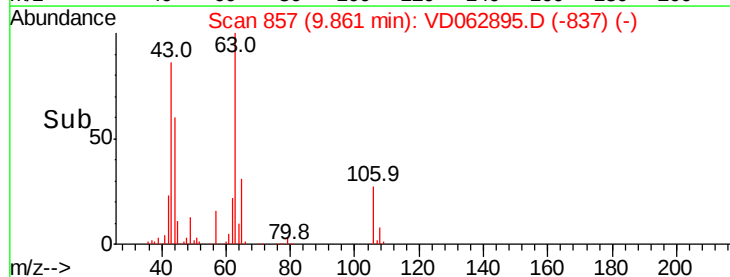
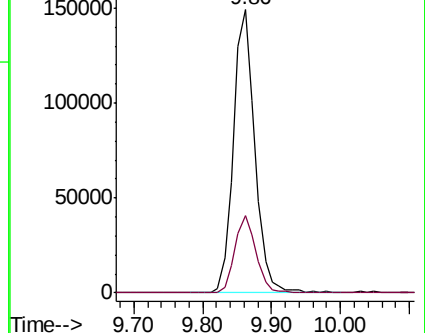
63 100

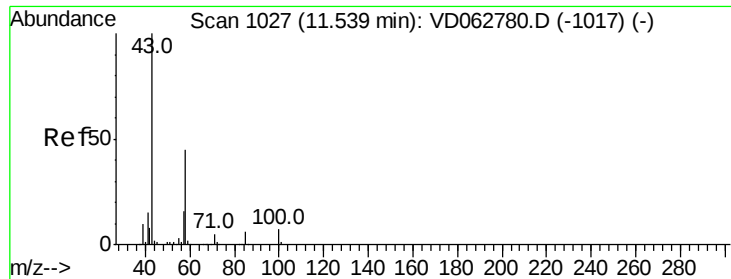
106 27.5 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

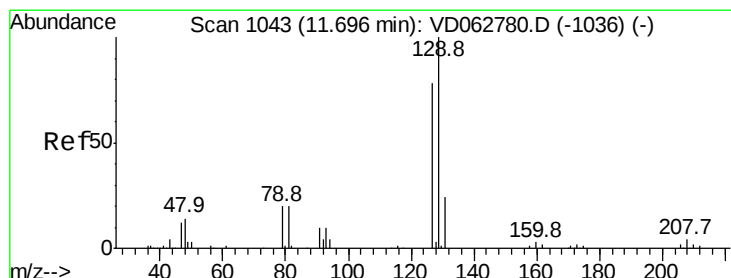
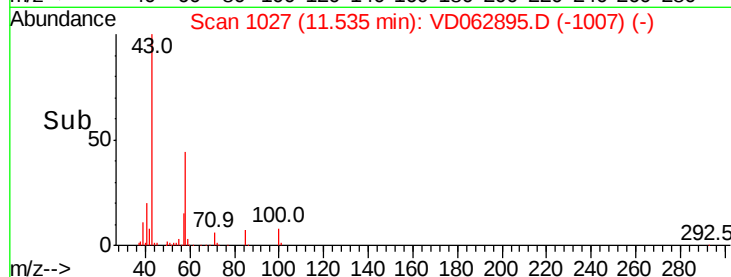
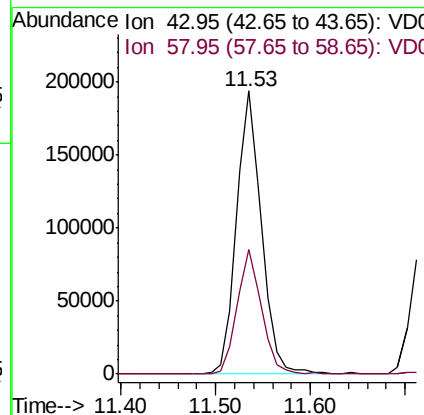
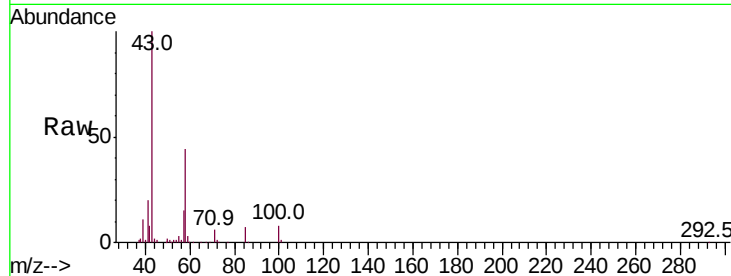




#59
2-Hexanone
Concen: 116.753 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

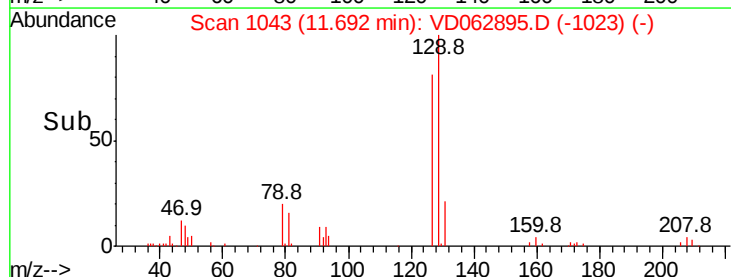
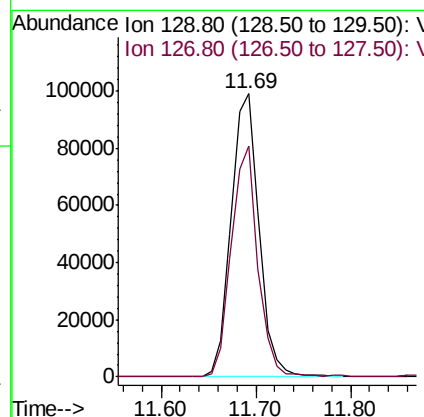
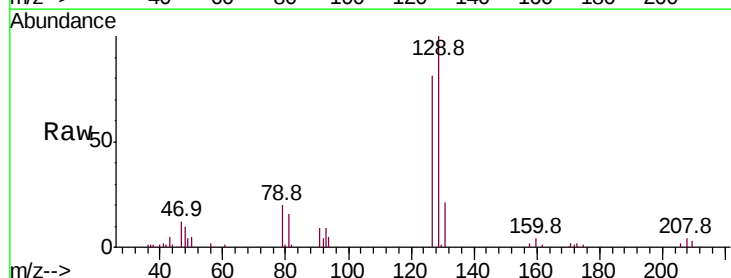
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

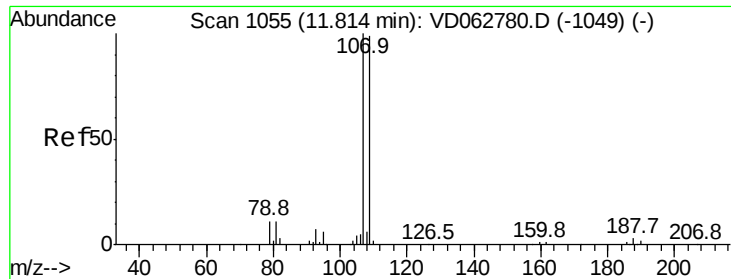
Tot Ion: 43 Resp: 353159
Ion Ratio Lower Upper
43 100
58 44.1 22.4 67.2



#60
Dibromochloromethane
Concen: 20.463 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion: 129 Resp: 201895
Ion Ratio Lower Upper
129 100
127 81.4 38.9 116.6

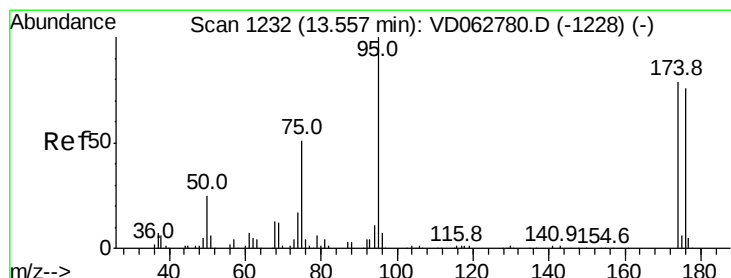
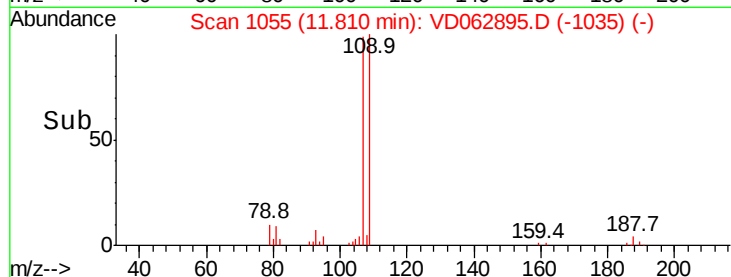
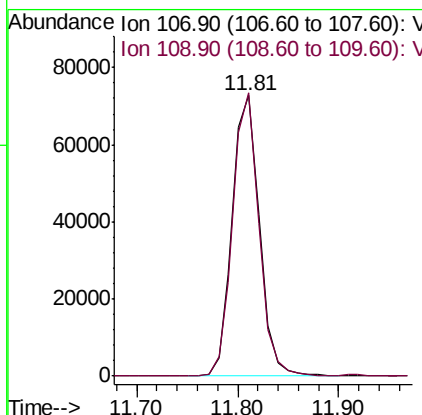
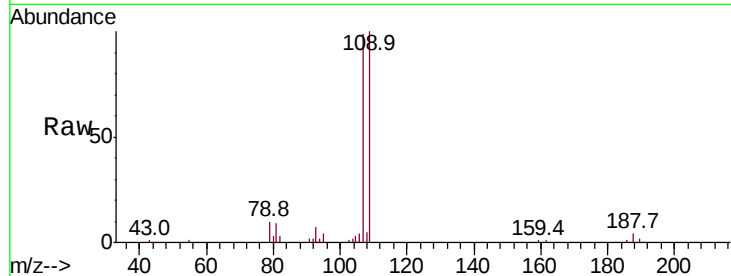




#61
 1,2-Dibromoethane
 Concen: 21.768 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

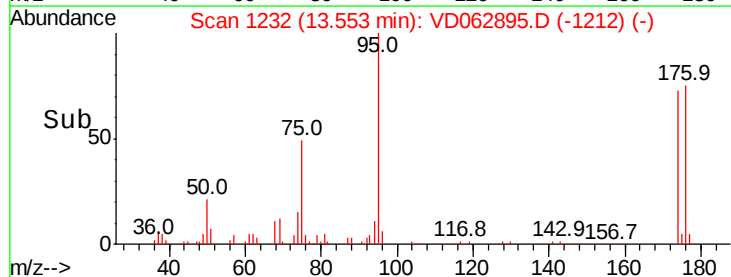
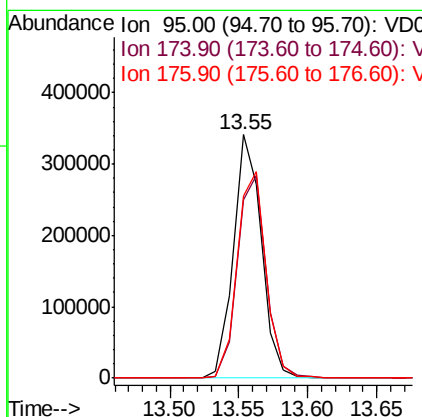
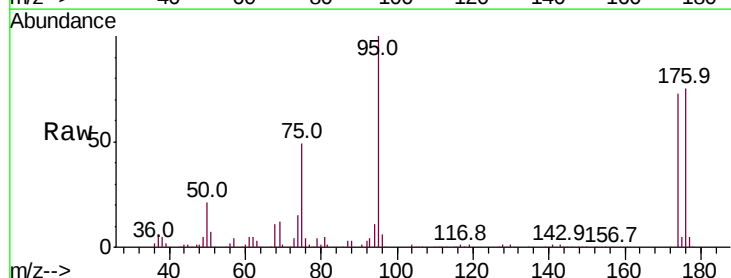
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

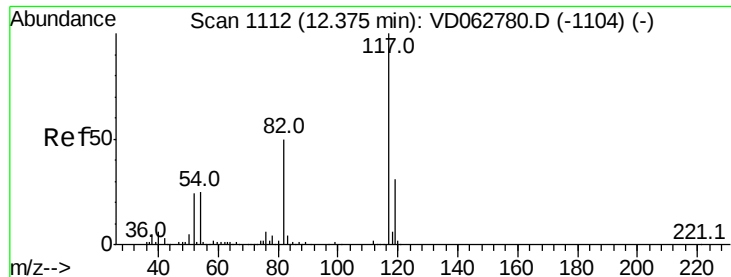
Tot Ion:107 Resp: 136181
 Ion Ratio Lower Upper
 107 100
 109 100.9 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 48.047 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Tgt Ion: 95 Resp: 483956
 Ion Ratio Lower Upper
 95 100
 174 73.0 0.0 158.0
 176 74.8 0.0 151.6

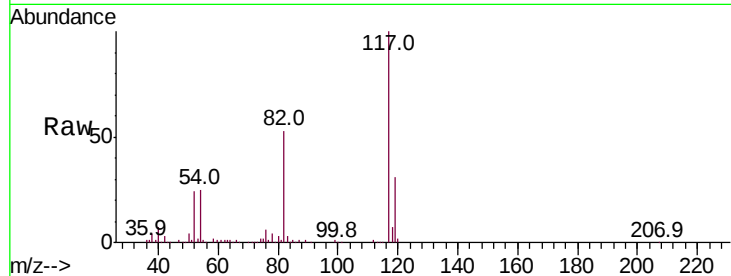




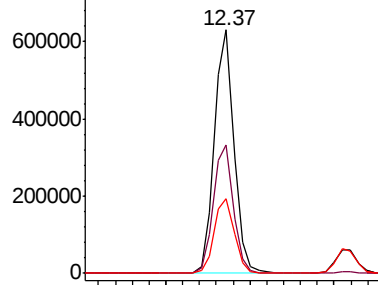
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

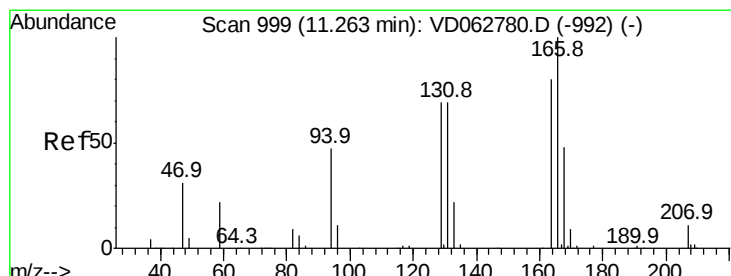
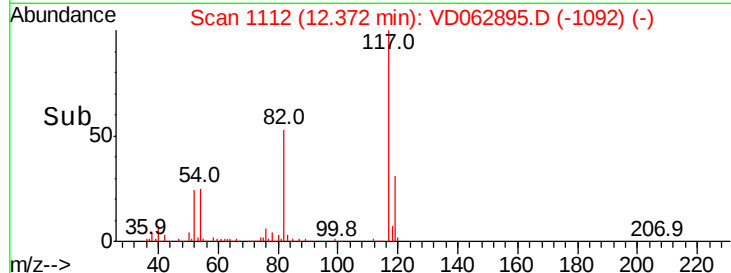
Tot Ion:117 Resp: 1025759
Ion Ratio Lower Upper
117 100
82 53.0 40.4 60.6
119 30.8 25.2 37.8



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

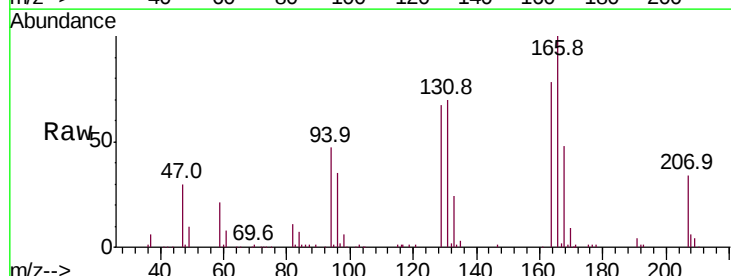


Time-->

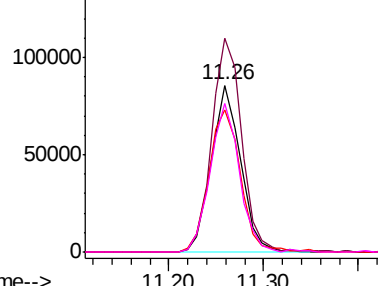


#64
Tetrachloroethene
Concen: 21.753 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

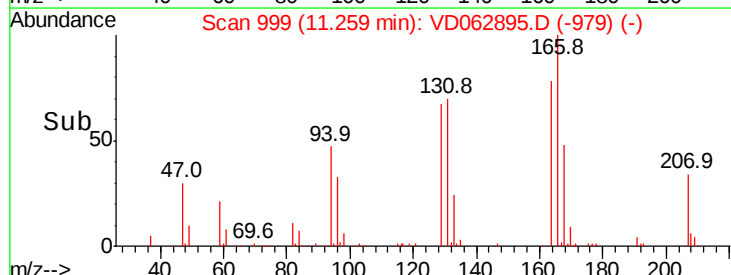
Tgt Ion:164 Resp: 183647
Ion Ratio Lower Upper
164 100
166 128.3 100.6 150.8
129 85.5 69.4 104.0
131 89.2 69.3 103.9

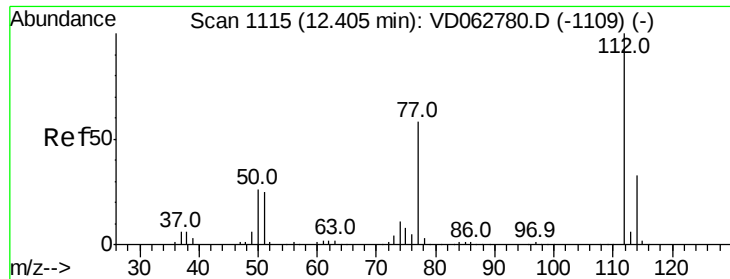


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



Time-->

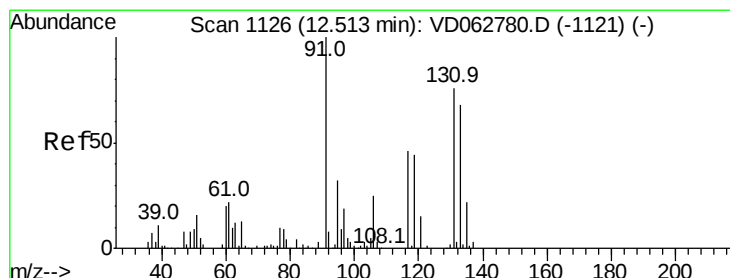
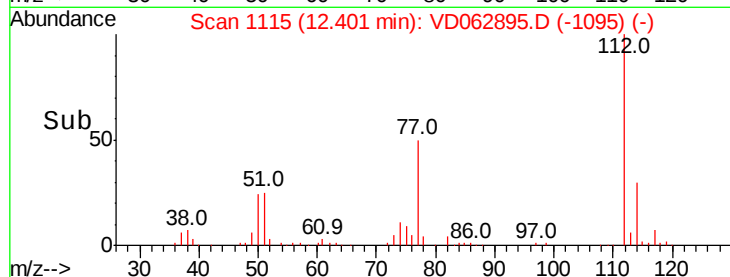
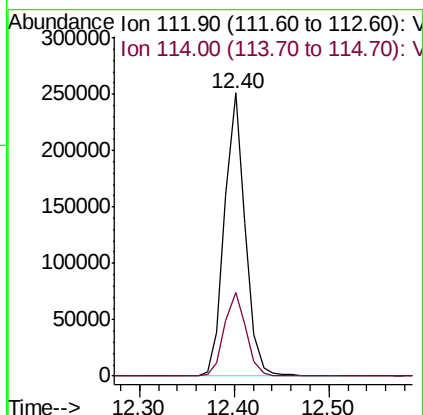
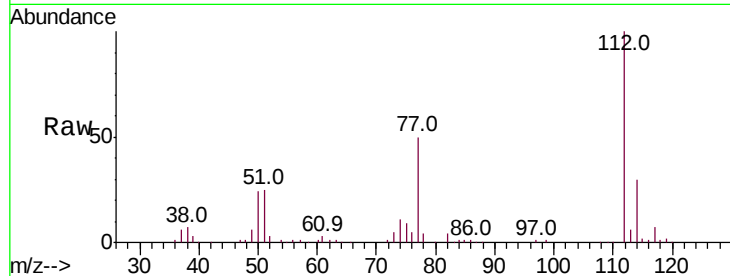




#65
Chlorobenzene
Concen: 19.918 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

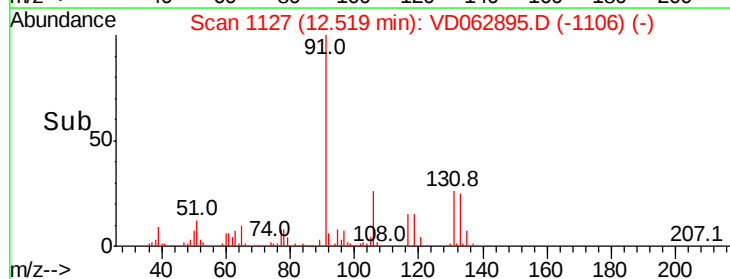
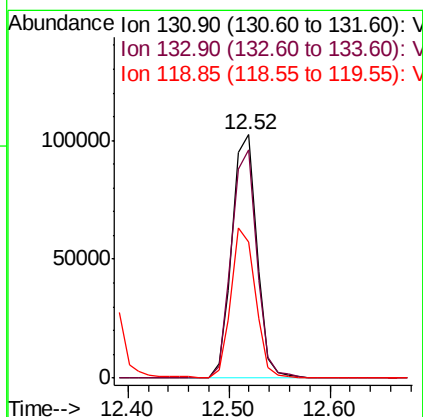
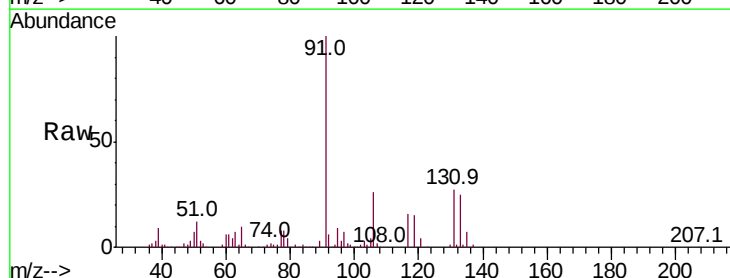
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

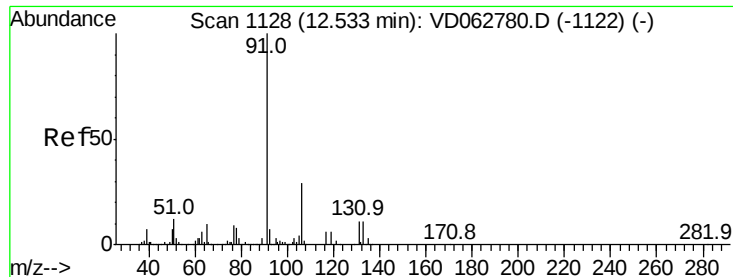
Tot Ion:112 Resp: 379177
Ion Ratio Lower Upper
112 100
114 29.7 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.793 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion:131 Resp: 176210
Ion Ratio Lower Upper
131 100
133 93.9 44.5 133.3
119 56.1 28.6 85.9





#67

Ethyl Benzene

Concen: 19.159 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

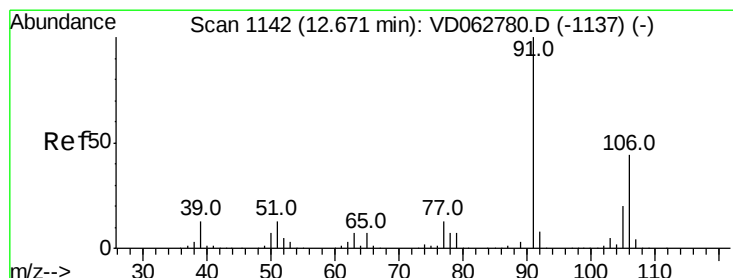
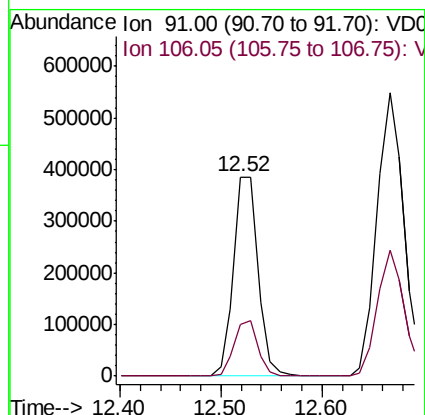
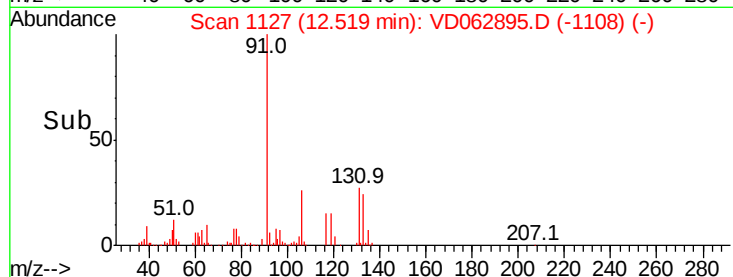
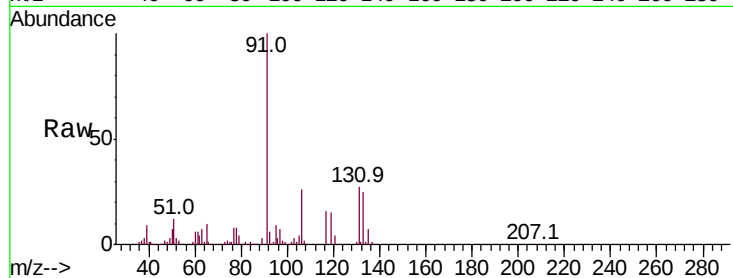
VD0625SBSD02

Tot Ion: 91 Resp: 654841

Ion Ratio Lower Upper

91 100

106 25.9 23.1 34.7



#68

m/p-Xylenes

Concen: 38.109 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VD062895.D

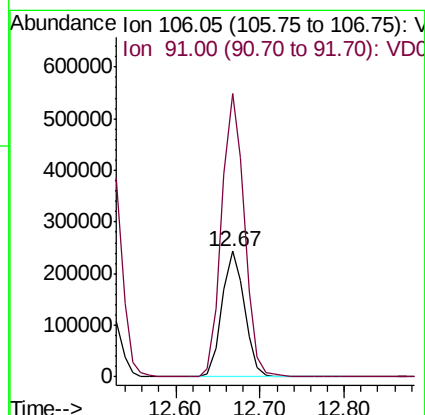
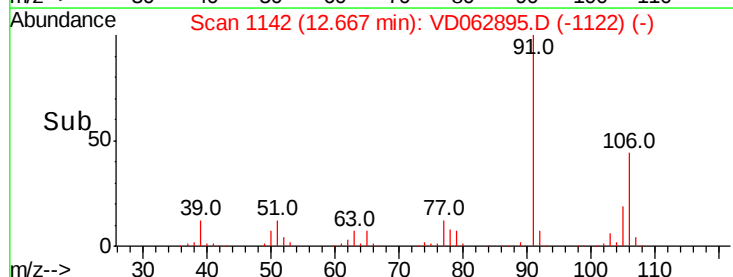
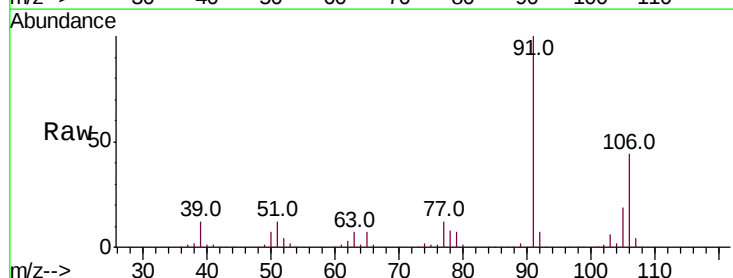
Acq: 26 Jun 2019 1:14

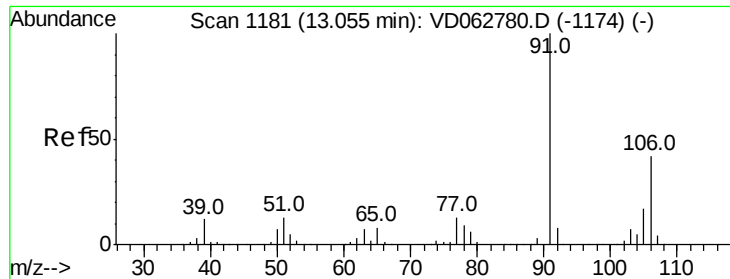
Tgt Ion: 106 Resp: 453653

Ion Ratio Lower Upper

106 100

91 225.3 183.0 274.6

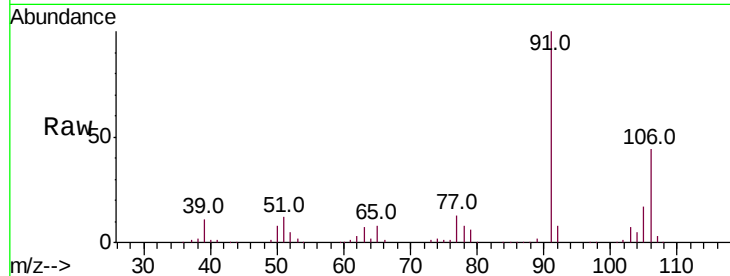




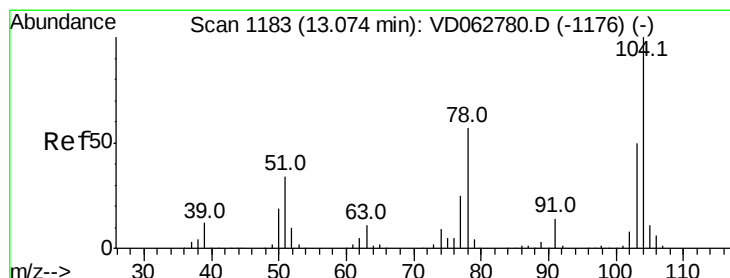
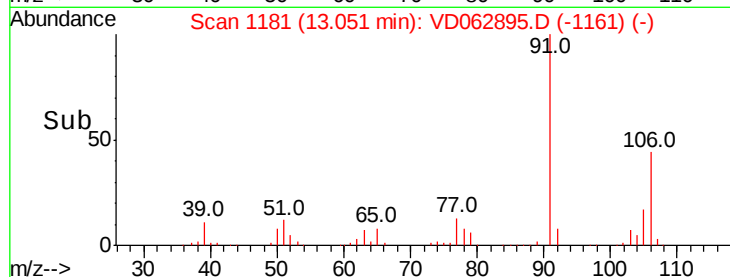
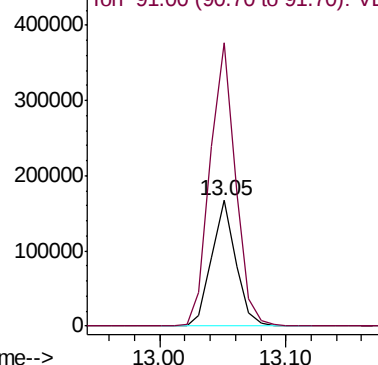
#69
o-Xylene
Concen: 20.285 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

Tot Ion:106 Resp: 220743
Ion Ratio Lower Upper
106 100
91 225.2 117.9 353.6

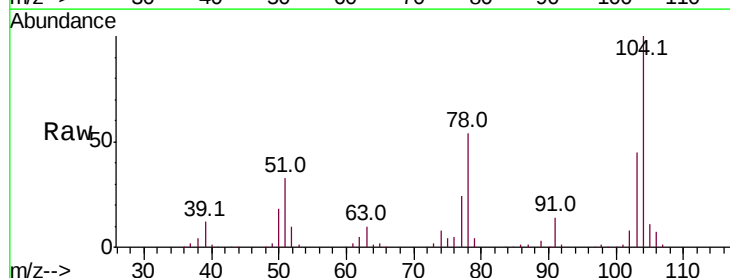


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

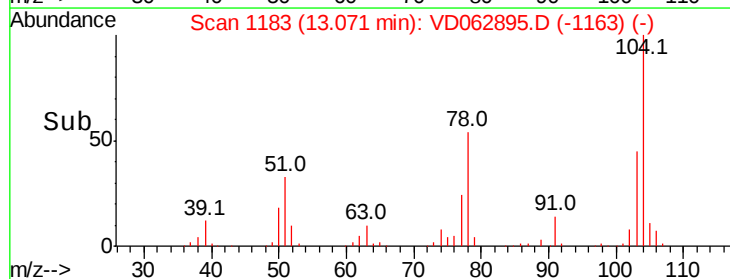
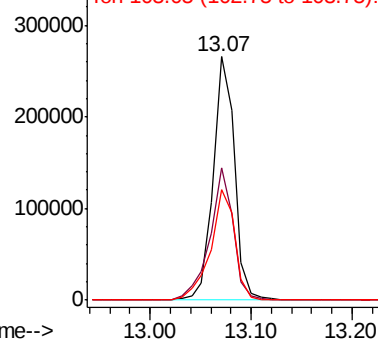


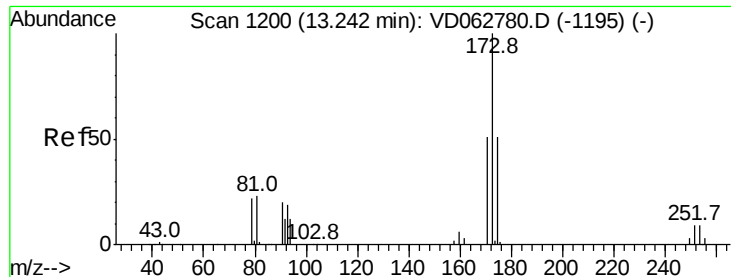
#70
Styrene
Concen: 20.409 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion:104 Resp: 390100
Ion Ratio Lower Upper
104 100
78 54.2 45.4 68.2
103 45.3 39.7 59.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 20.190 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

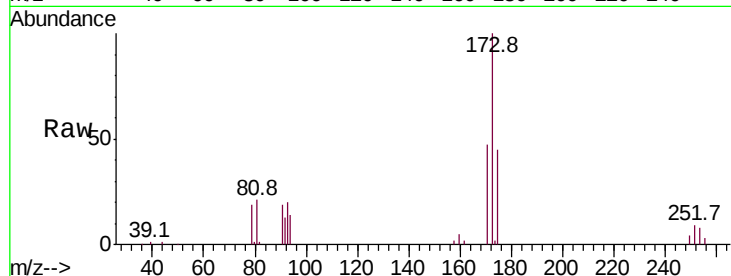
Tot Ion:173 Resp: 123154

Ion Ratio Lower Upper

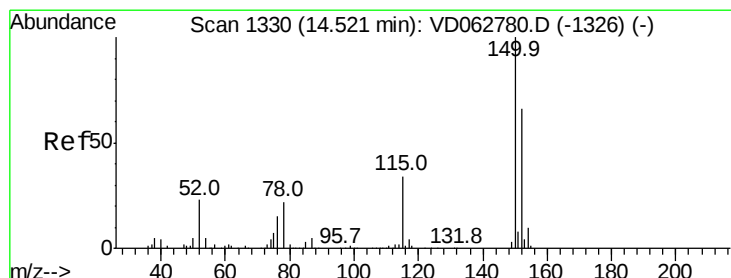
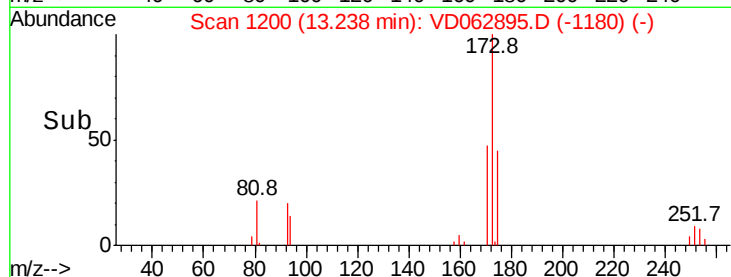
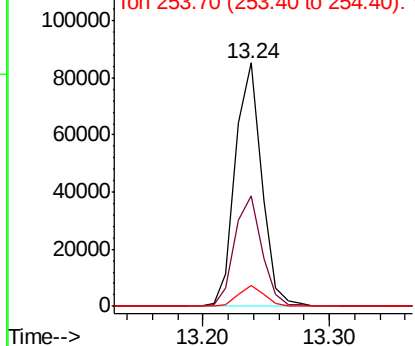
173 100

175 45.5 25.3 75.9

254 8.4 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

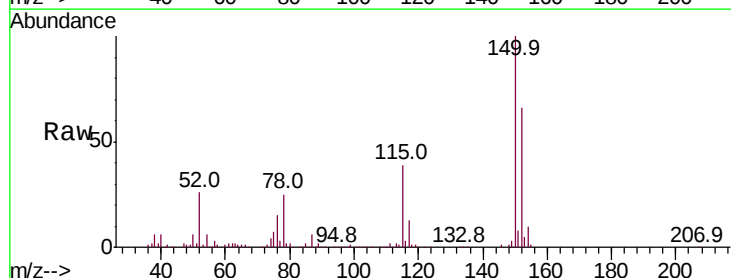
Tgt Ion:152 Resp: 564181

Ion Ratio Lower Upper

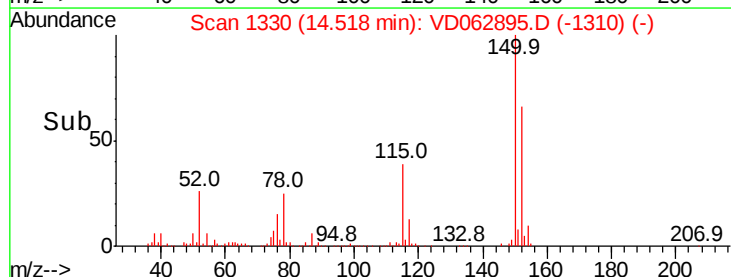
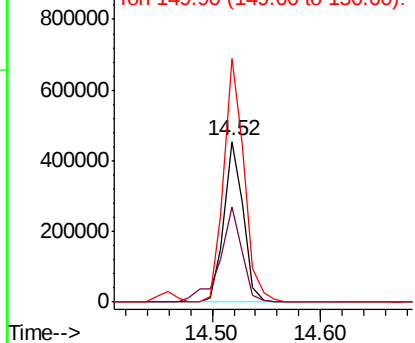
152 100

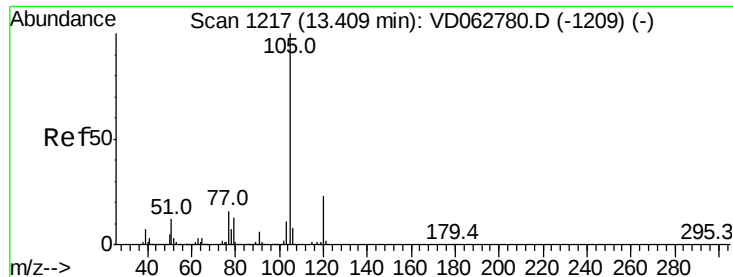
115 59.2 29.2 87.6

150 151.2 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.603 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

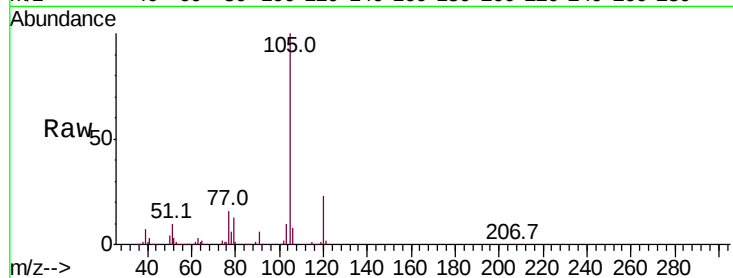
VD0625SBSD02

Tot Ion:105 Resp: 600589

Ion Ratio Lower Upper

105 100

120 22.9 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

400000

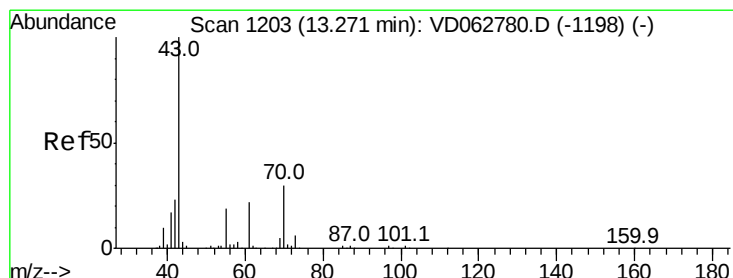
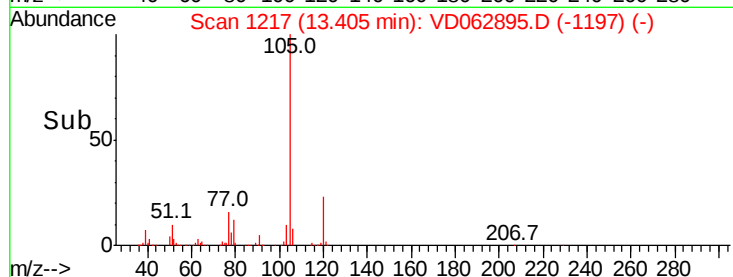
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.068 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Tgt Ion: 43 Resp: 185077

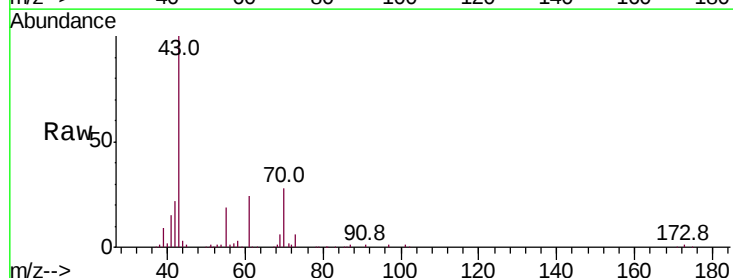
Ion Ratio Lower Upper

43 100

70 28.2 24.4 36.6

55 19.3 15.2 22.8

61 23.8 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.27

200000

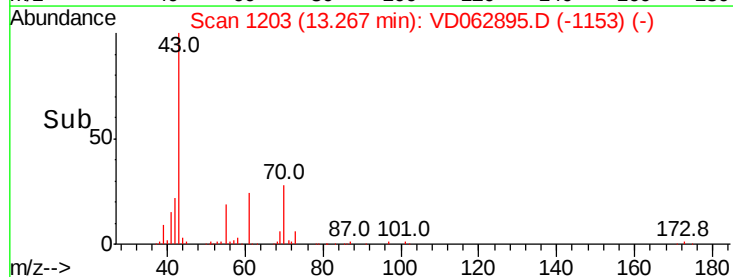
150000

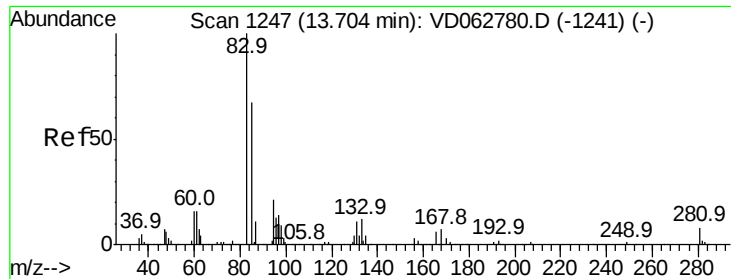
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.980 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

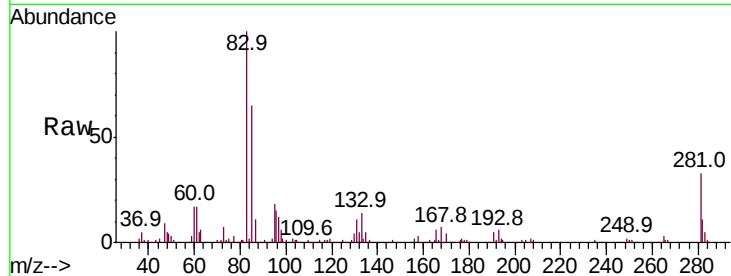
Tot Ion: 83 Resp: 123656

Ion Ratio Lower Upper

83 100

131 11.2 5.3 16.1

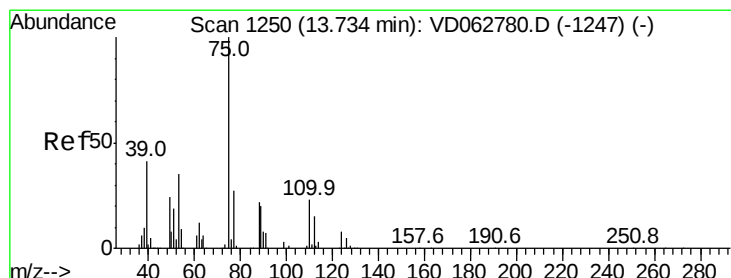
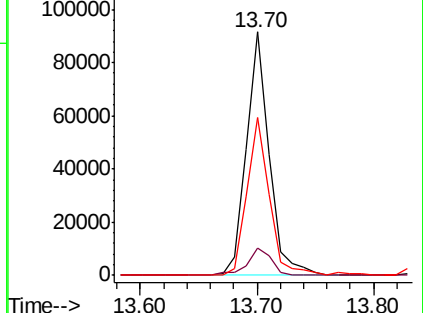
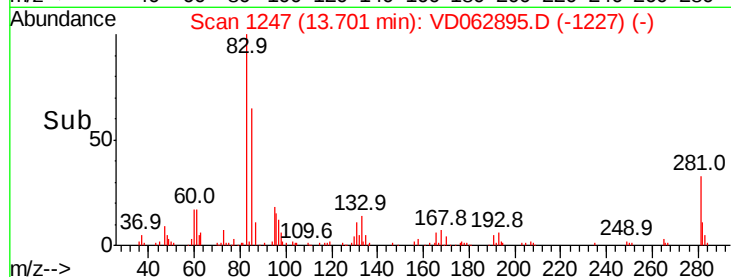
85 64.6 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.697 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062895.D

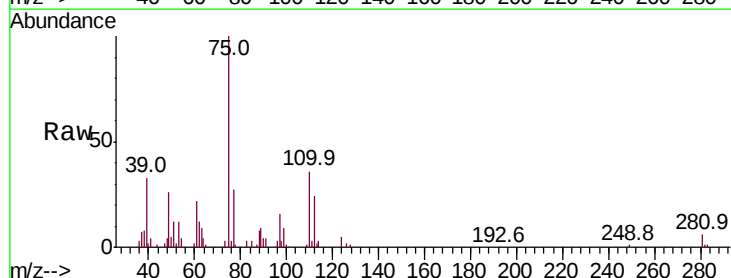
Acq: 26 Jun 2019 1:14

Tgt Ion: 75 Resp: 141313

Ion Ratio Lower Upper

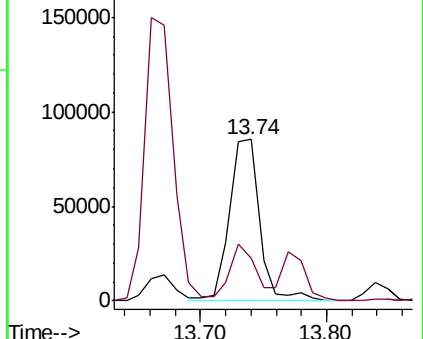
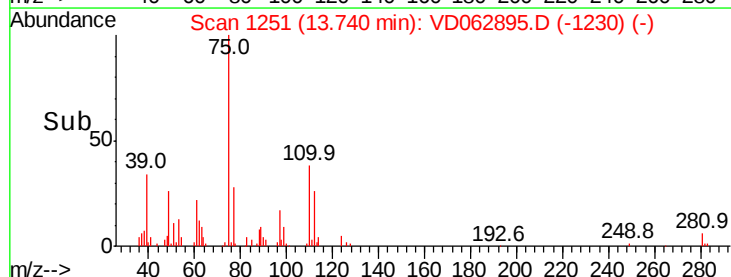
75 100

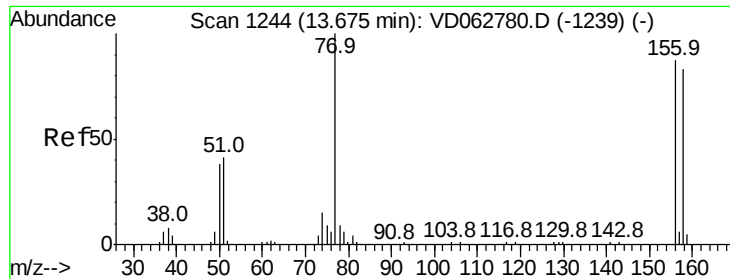
77 26.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.250 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

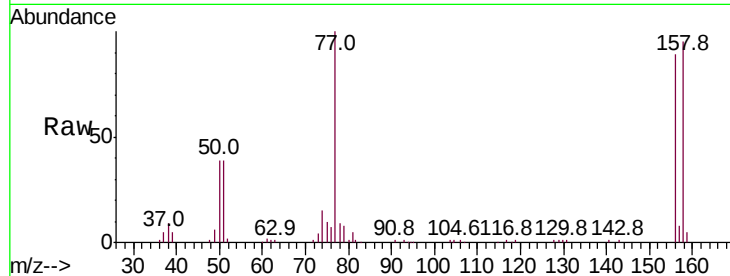
Tot Ion:156 Resp: 177570

Ion Ratio Lower Upper

156 100

77 112.8 57.7 173.1

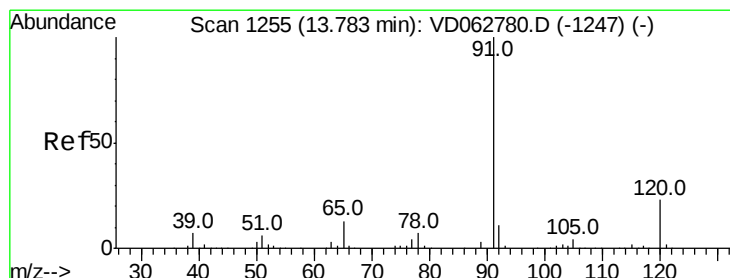
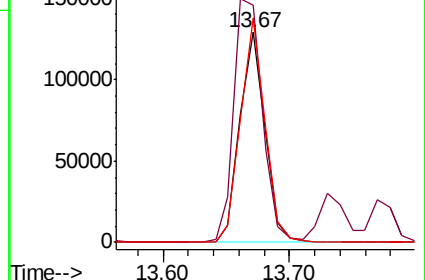
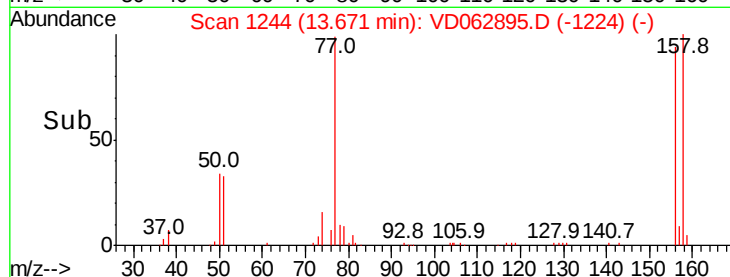
158 106.7 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.751 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062895.D

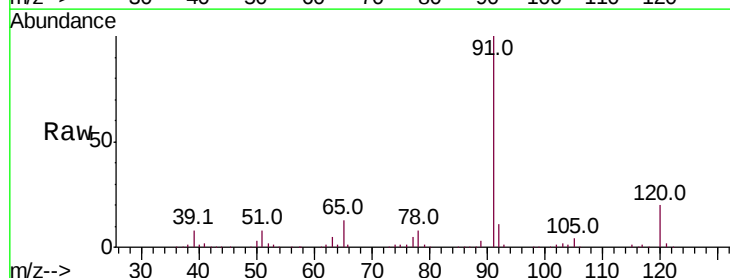
Acq: 26 Jun 2019 1:14

Tgt Ion: 91 Resp: 789502

Ion Ratio Lower Upper

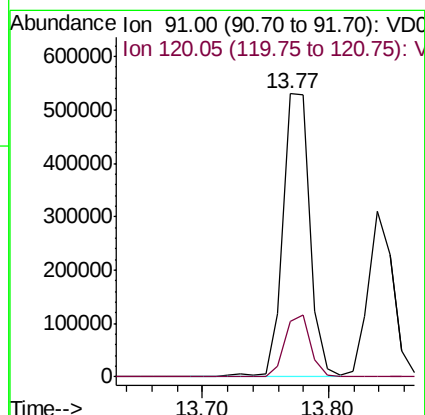
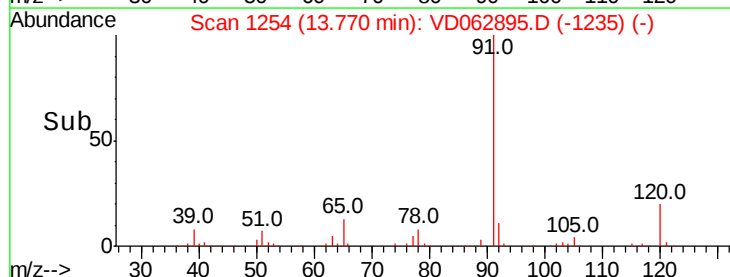
91 100

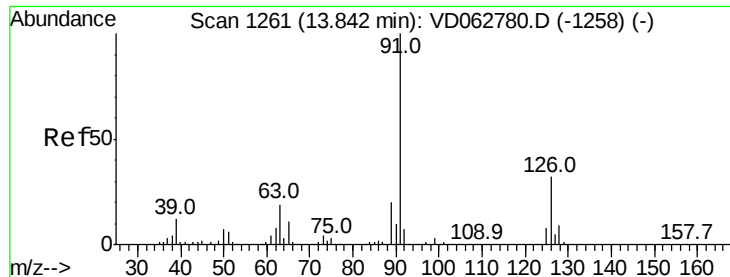
120 19.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 17.806 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

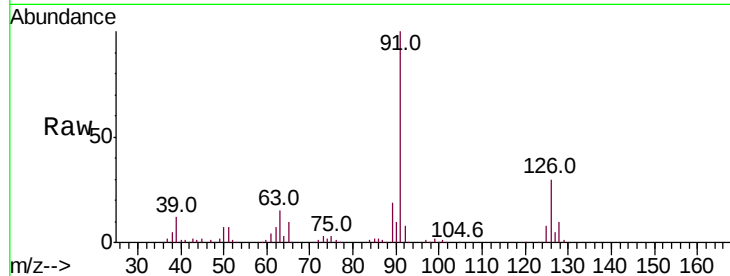
VD0625SBSD02

Tot Ion: 91 Resp: 428443

Ion Ratio Lower Upper

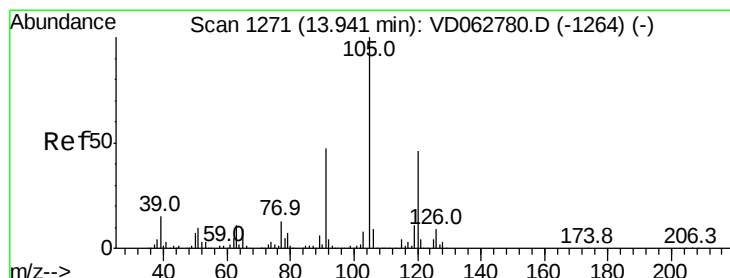
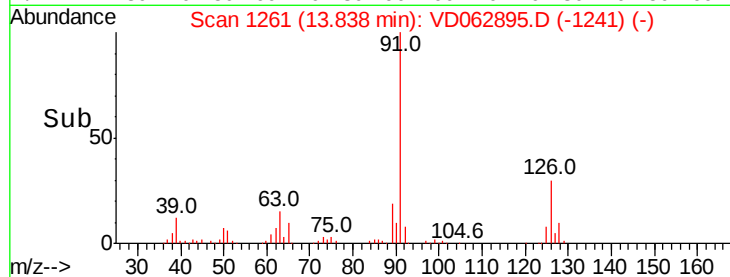
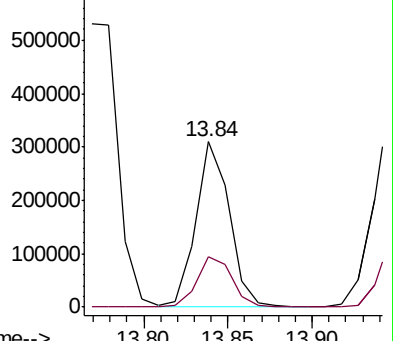
91 100

126 30.2 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 18.748 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062895.D

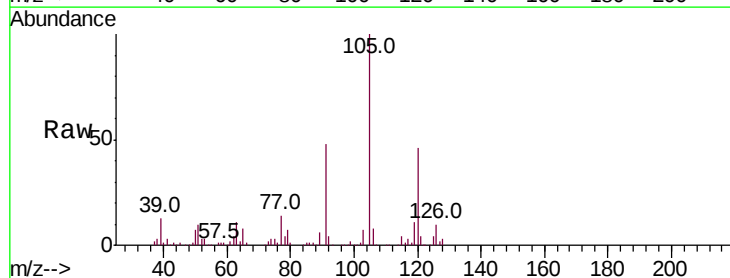
Acq: 26 Jun 2019 1:14

Tgt Ion:105 Resp: 569666

Ion Ratio Lower Upper

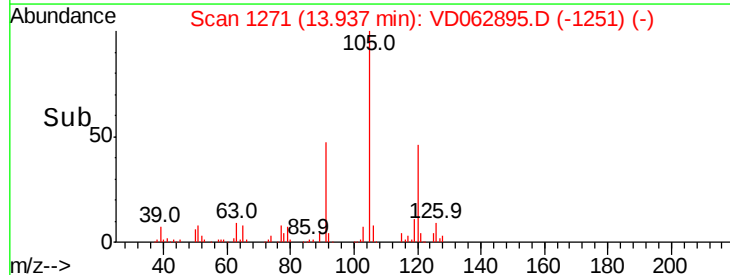
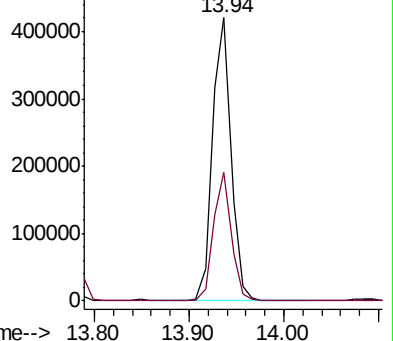
105 100

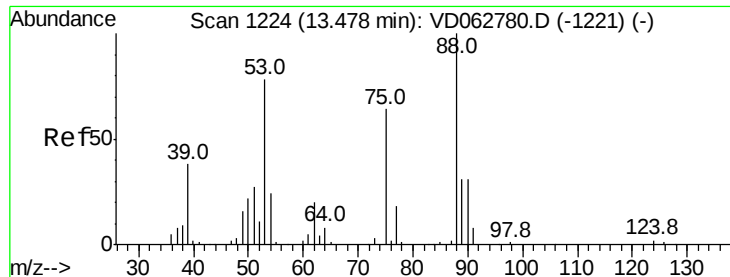
120 45.6 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.696 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

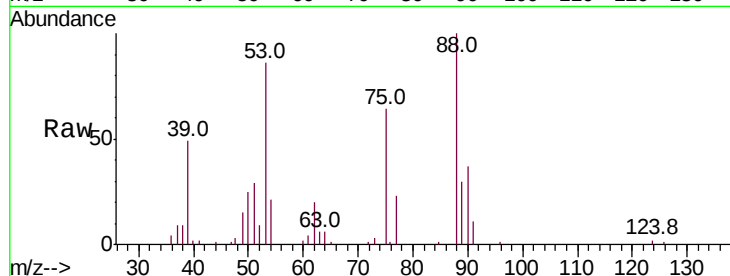
Tot Ion: 75 Resp: 31914

Ion Ratio Lower Upper

75 100

53 135.6 97.8 146.8

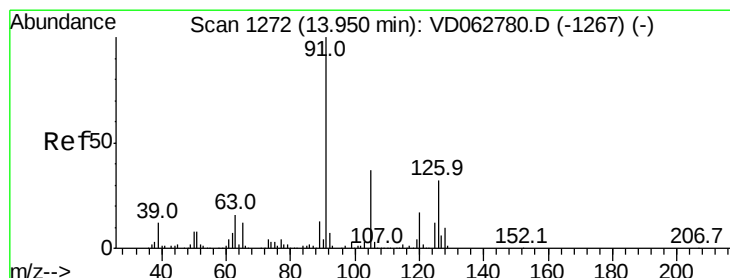
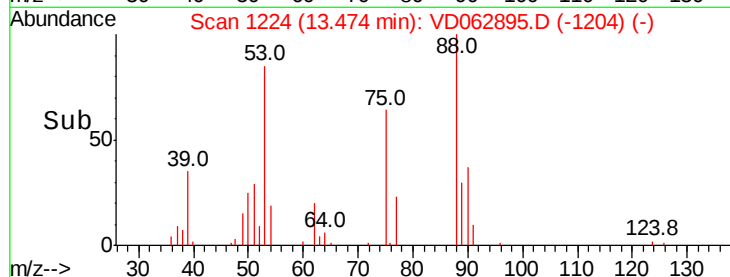
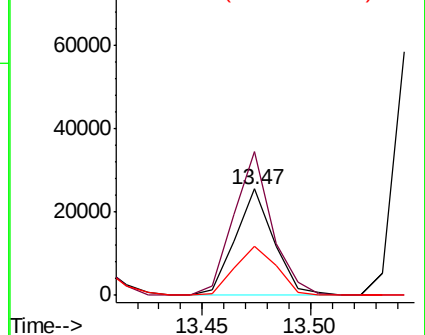
89 46.4 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 18.961 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062895.D

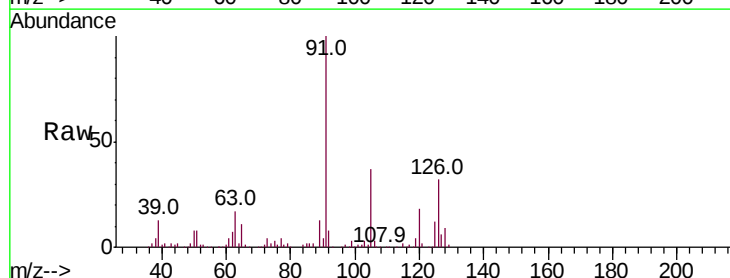
Acq: 26 Jun 2019 1:14

Tgt Ion: 91 Resp: 549241

Ion Ratio Lower Upper

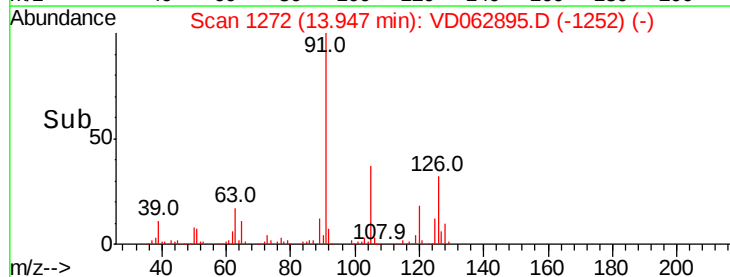
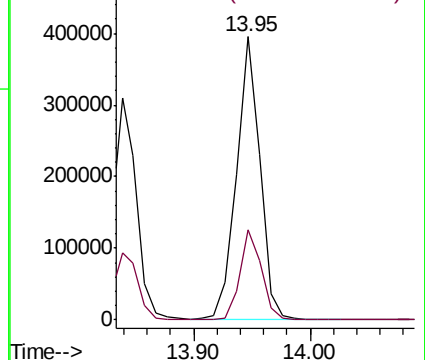
91 100

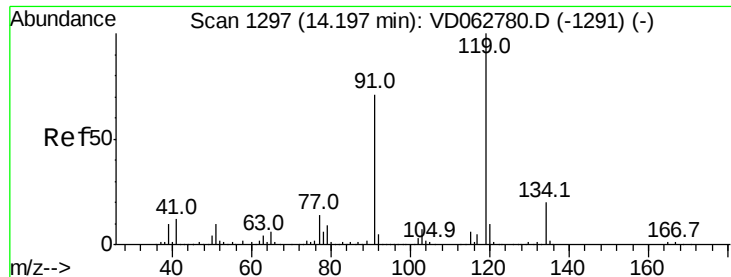
126 32.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

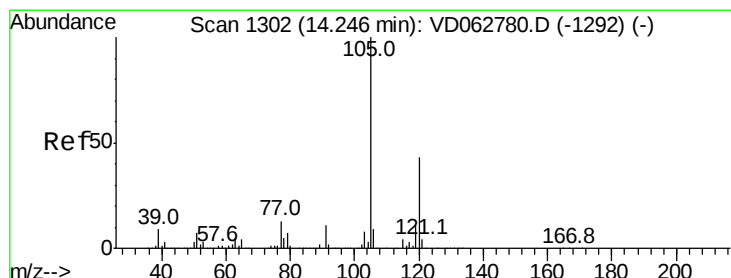
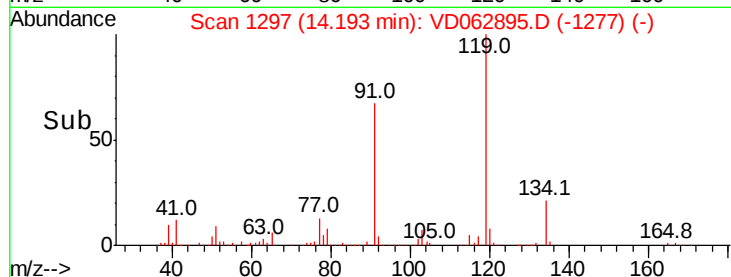
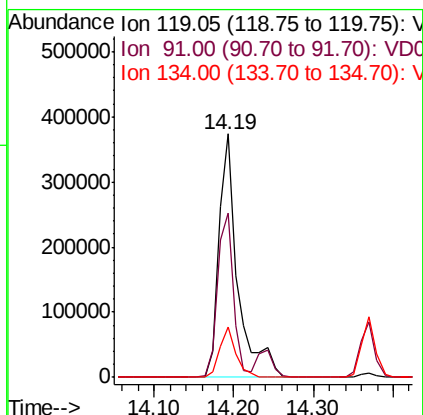
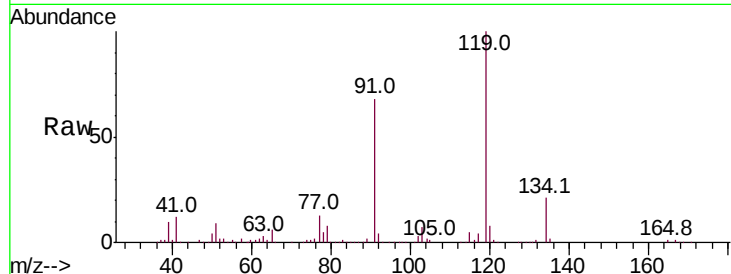




#83
tert-Butylbenzene
Concen: 18.379 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

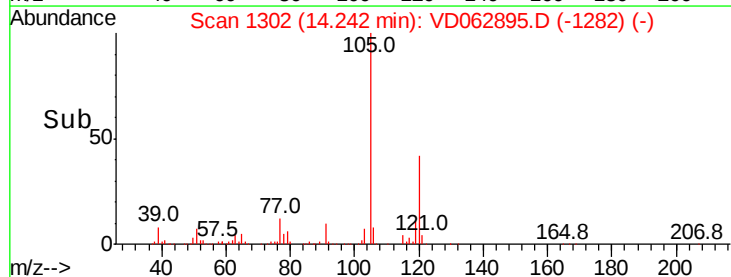
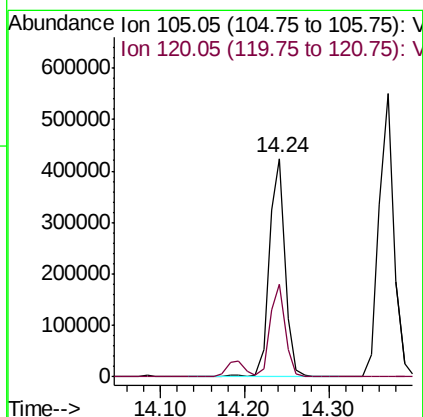
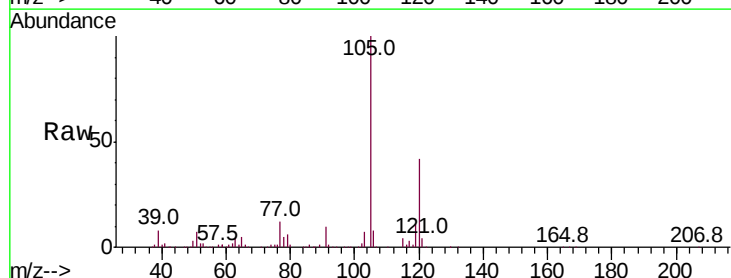
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

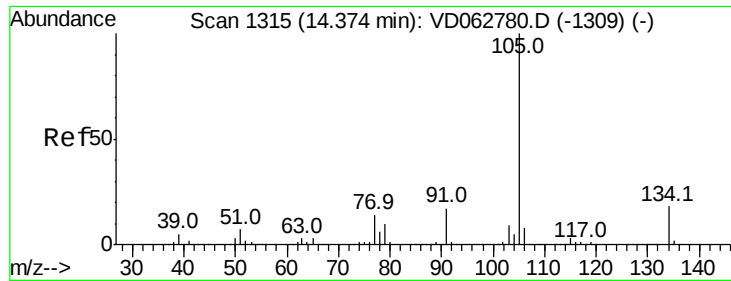
Tot Ion:119 Resp: 622472
Ion Ratio Lower Upper
119 100
91 67.6 35.5 106.5
134 20.6 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 17.999 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion:105 Resp: 560550
Ion Ratio Lower Upper
105 100
120 42.4 21.3 63.9





#85

sec-Butylbenzene

Concen: 18.478 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

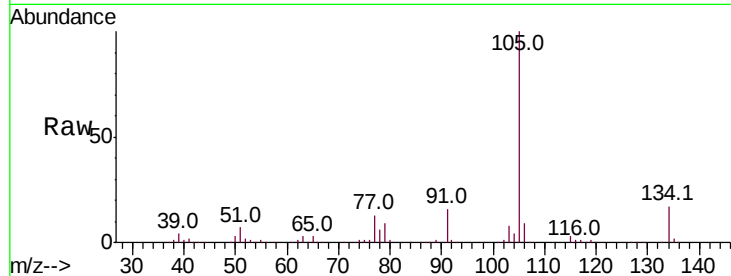
VD0625SBS02

Tot Ion:105 Resp: 680174

Ion Ratio Lower Upper

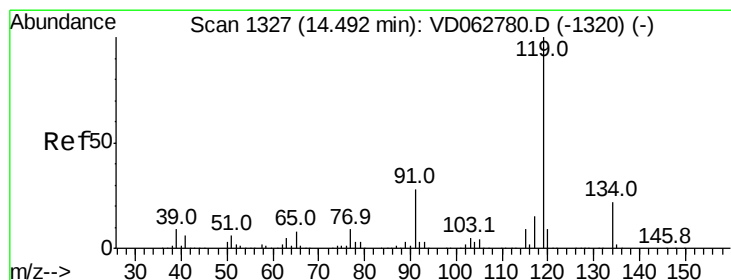
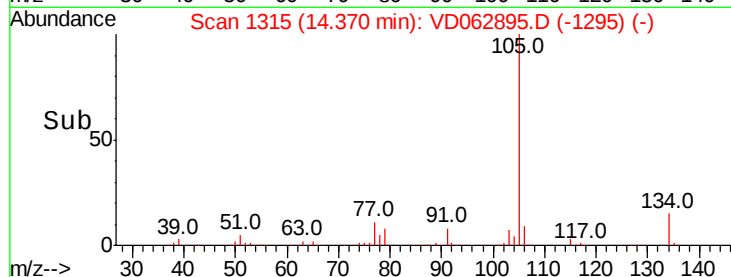
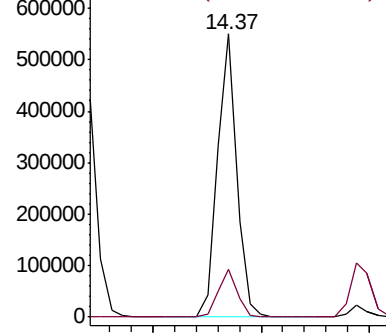
105 100

134 16.8 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.034 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

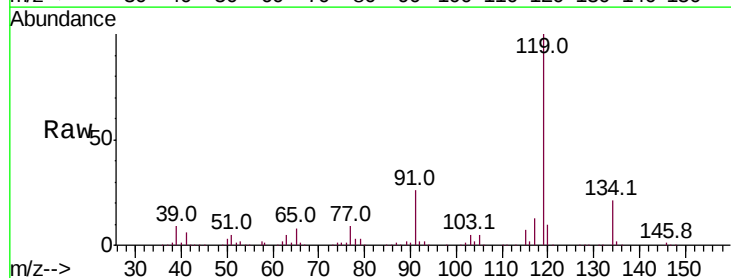
Tgt Ion:119 Resp: 640980

Ion Ratio Lower Upper

119 100

134 20.5 11.1 33.1

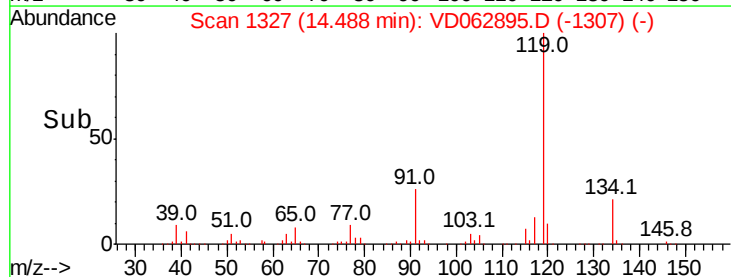
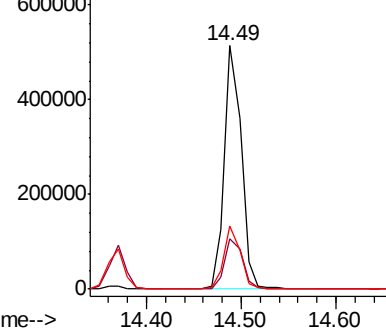
91 25.7 14.0 41.9

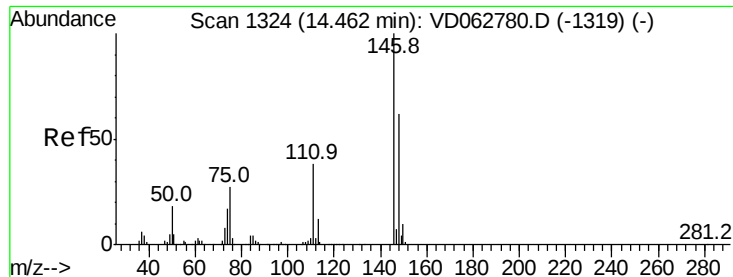


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.015 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

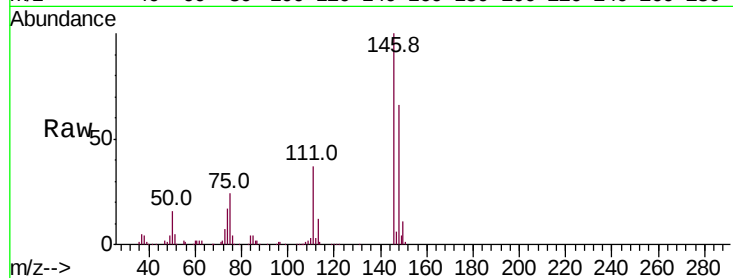
Tot Ion:146 Resp: 349089

Ion Ratio Lower Upper

146 100

111 36.7 19.0 57.0

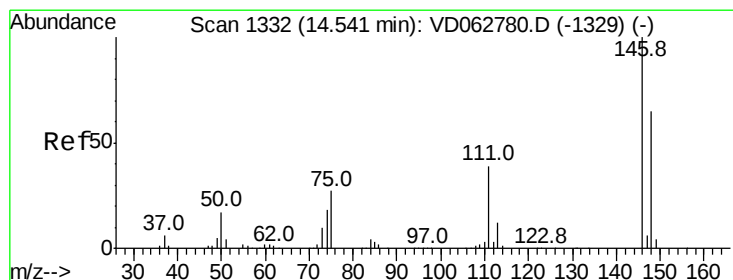
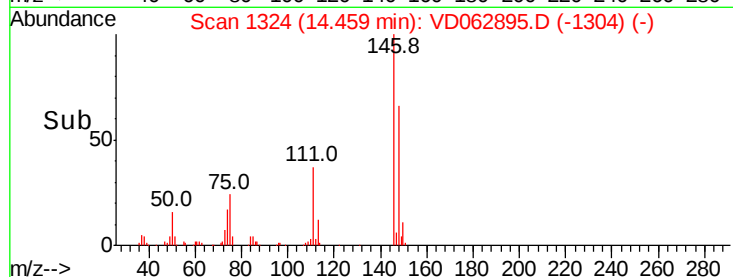
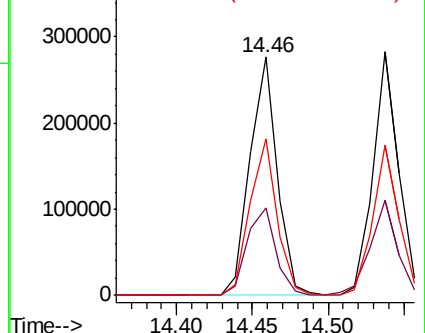
148 65.8 30.8 92.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.078 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

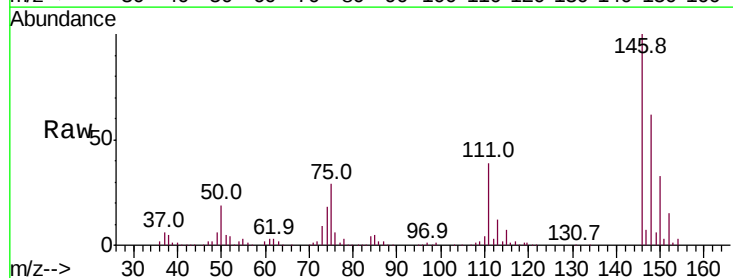
Tgt Ion:146 Resp: 334211

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.1

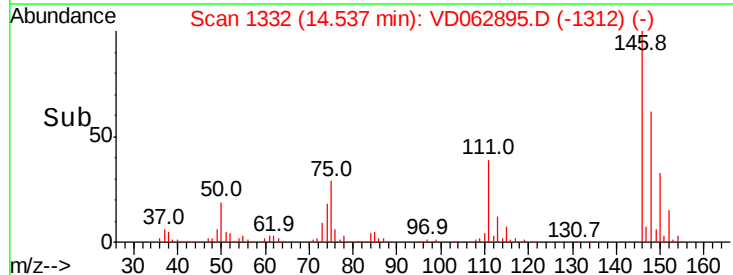
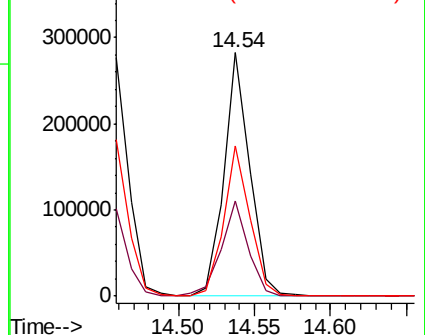
148 61.5 32.8 98.3

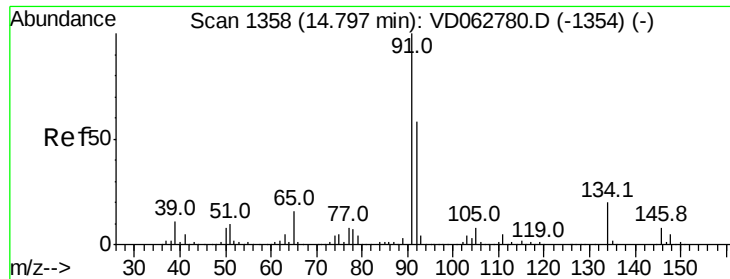


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.347 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062895.D

Acq: 26 Jun 2019 1:14

Instrument :

MSVOA_D

ClientSampleID :

VD0625SBSD02

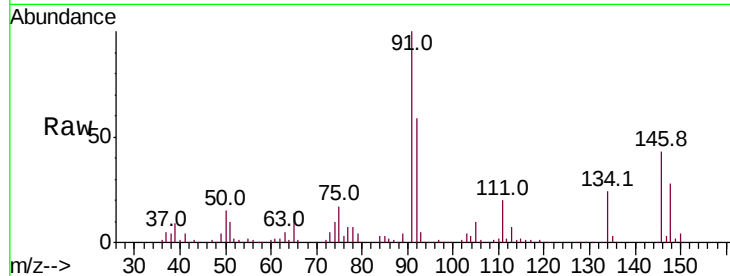
Tot Ion: 91 Resp: 546761

Ion Ratio Lower Upper

91 100

92 58.7 28.9 86.7

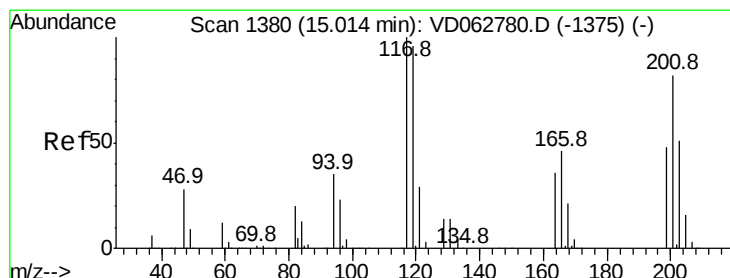
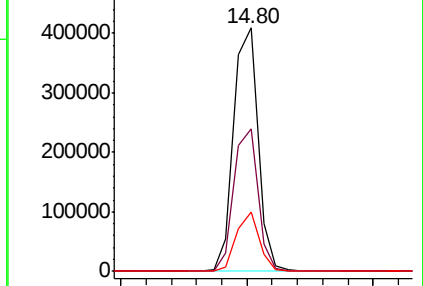
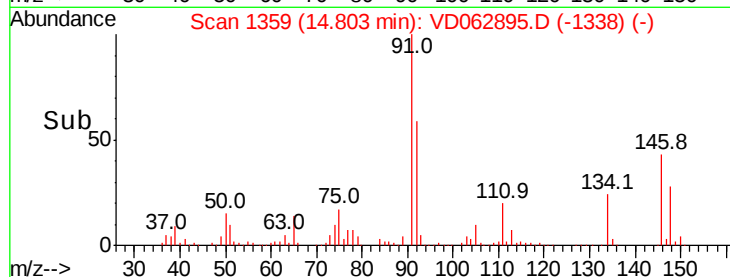
134 24.5 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.716 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062895.D

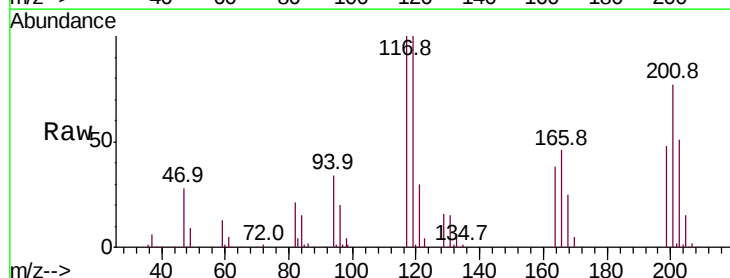
Acq: 26 Jun 2019 1:14

Tgt Ion: 117 Resp: 169466

Ion Ratio Lower Upper

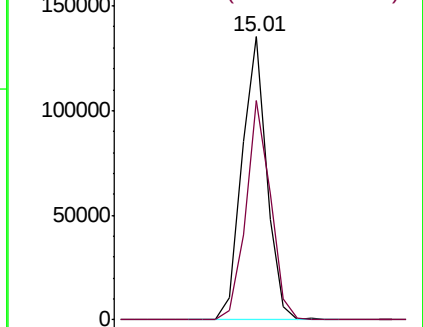
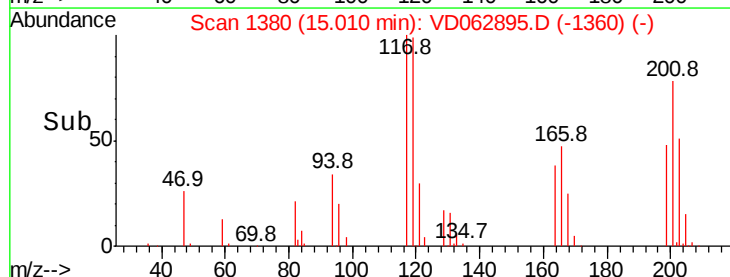
117 100

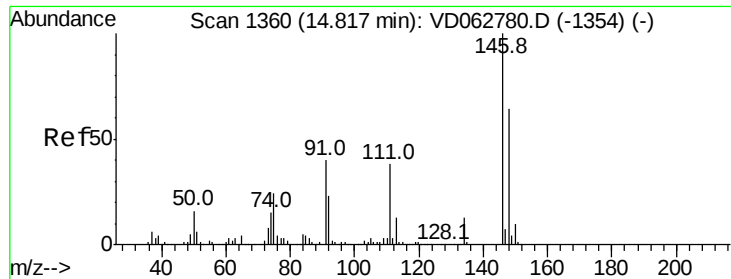
201 77.4 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

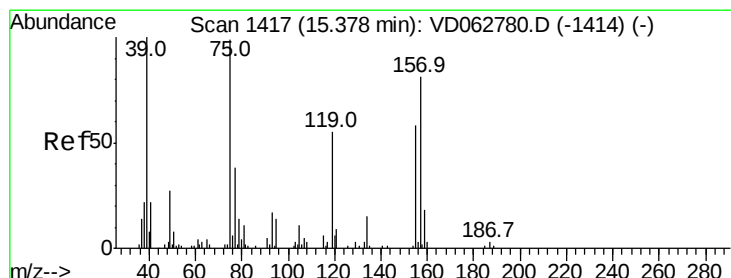
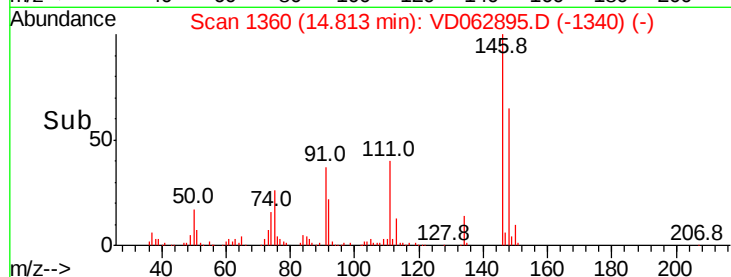
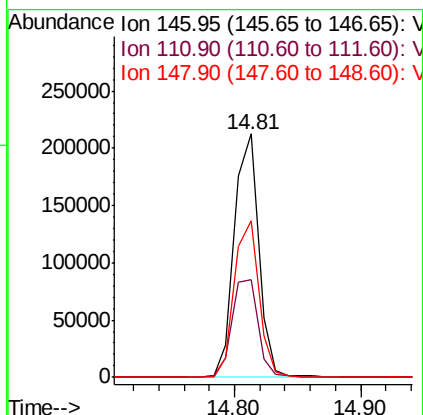
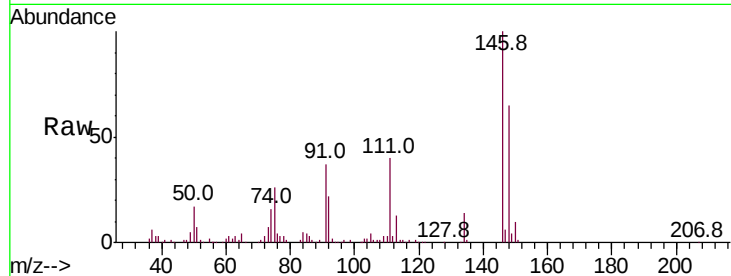




#91
 1,2-Dichlorobenzene
 Concen: 19.035 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

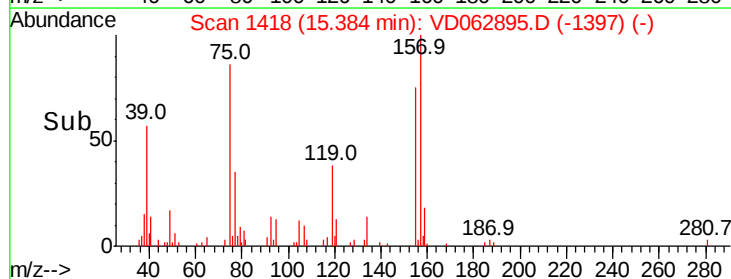
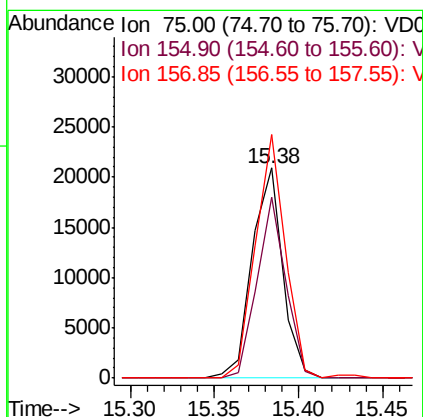
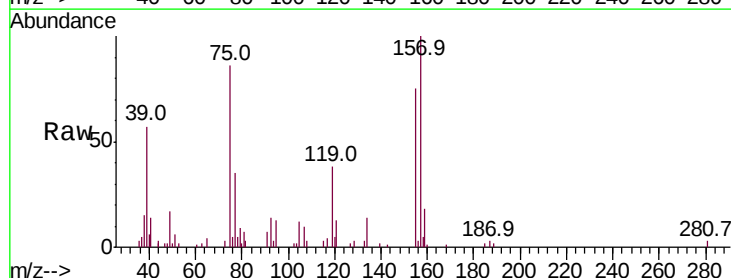
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

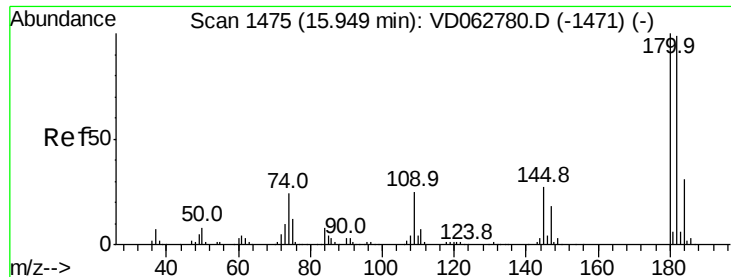
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.1	57.1
148	64.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.825 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	29.3	87.8
157	116.0	41.3	123.7

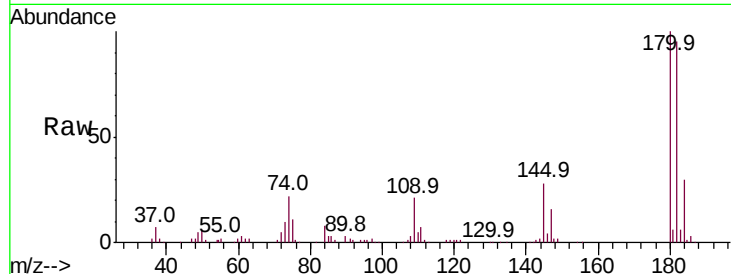




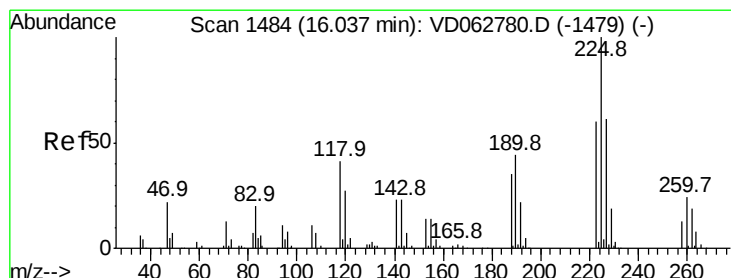
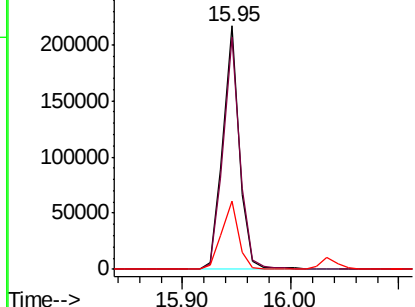
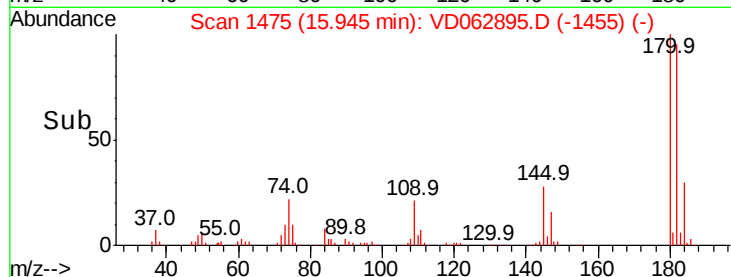
#93
 1,2,4-Trichlorobenzene
 Concen: 19.929 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	49.5	148.5
145	28.2	13.7	41.0

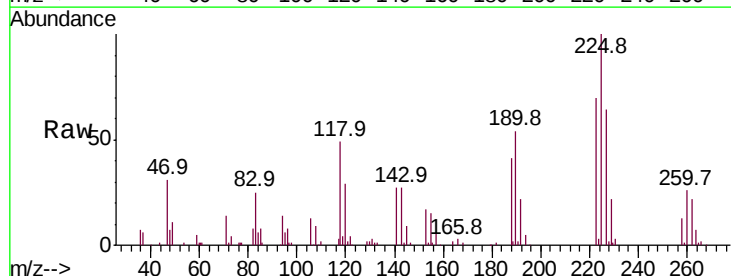


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

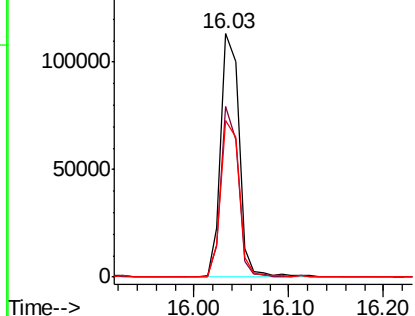
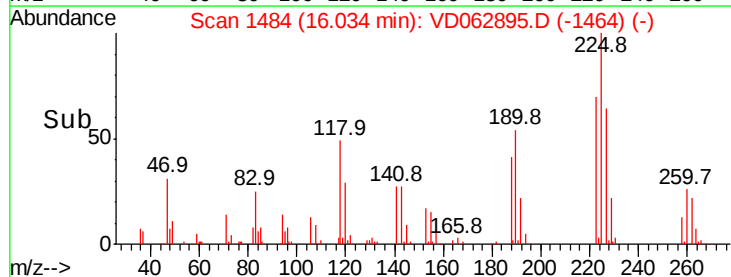


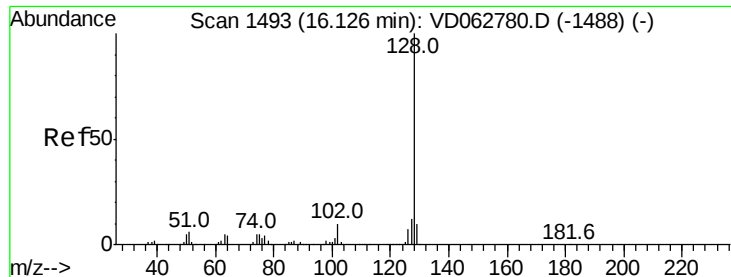
#94
 Hexachlorobutadiene
 Concen: 17.180 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062895.D
 Acq: 26 Jun 2019 1:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.9	29.8	89.5
227	64.1	30.6	91.6



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

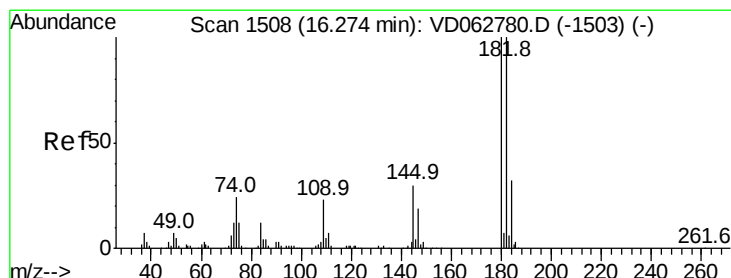
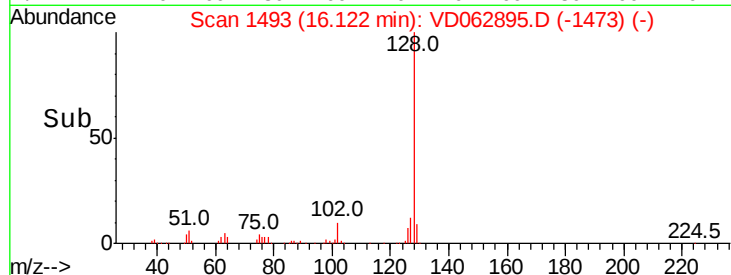
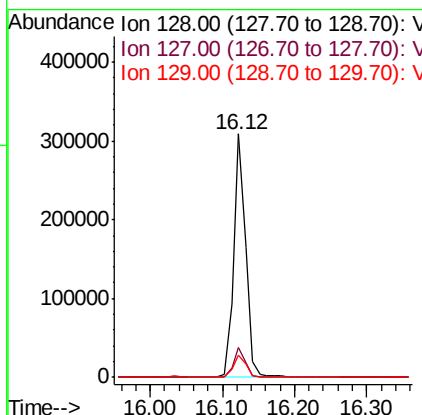
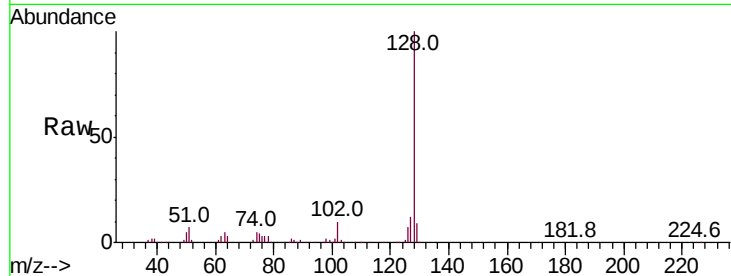




#95
Naphthalene
Concen: 21.890 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

Tot Ion:128 Resp: 357646
Ion Ratio Lower Upper
128 100
127 12.3 9.7 14.5
129 9.2 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.737 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062895.D
Acq: 26 Jun 2019 1:14

Tgt Ion:180 Resp: 185730
Ion Ratio Lower Upper
180 100
182 94.9 49.9 149.6
145 30.3 15.2 45.5

