

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063525.D
 Acq On : 13 Aug 2019 14:20
 Operator : JC/SY
 Sample : VD0813SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:27:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1149730	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1654076	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1410894	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	724833	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	645292	52.51	ug/l	-0.01
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	6.92	113	697927	50.10	ug/l	-0.01
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.42	98	1530613	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	13.56	95	643122	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	279498	20.094	ug/l	100
3) Chloromethane	1.75	50	236412	21.754	ug/l	96
4) Vinyl Chloride	1.84	62	232850	21.583	ug/l	94
5) Bromomethane	2.15	94	91024	17.881	ug/l	92
6) Chloroethane	2.26	64	95025	19.261	ug/l	92
7) Trichlorofluoromethane	2.53	101	417295	19.719	ug/l	98
8) Diethyl Ether	2.88	74	63043	21.100	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	247014	19.768	ug/l	93
10) Methyl Iodide	3.30	142	314728	17.801	ug/l #	98
11) Tert butyl alcohol	4.09	59	60104	112.345	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	187959	20.232	ug/l	98
13) Acrolein	3.03	56	54012	102.566	ug/l #	76
14) Allyl chloride	3.62	41	287234	20.567	ug/l	96
15) Acrylonitrile	4.21	53	163702	115.521	ug/l	97
16) Acetone	3.23	43	231699	92.744	ug/l	93
17) Carbon Disulfide	3.37	76	609917	20.802	ug/l	100
18) Methyl Acetate	3.65	43	111441	23.550	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	431751	23.238	ug/l	95
20) Methylene Chloride	3.82	84	221480	20.502	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	217619	22.260	ug/l	97
22) Diisopropyl ether	5.13	45	649211	22.527	ug/l	98
23) Vinyl Acetate	5.06	43	1878293	112.109	ug/l	98
24) 1,1-Dichloroethane	4.98	63	391530	21.904	ug/l	98
25) 2-Butanone	6.09	43	245467	99.485	ug/l #	89
26) 2,2-Dichloropropane	6.03	77	365467	20.528	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	225419	21.075	ug/l	95
28) Bromochloromethane	6.44	49	146286	20.193	ug/l	94
29) Tetrahydrofuran	6.47	42	128698	111.937	ug/l	97
30) Chloroform	6.68	83	452654	20.374	ug/l	92
31) Cyclohexane	6.95	56	223721	20.161	ug/l #	94
32) 1,1,1-Trichloroethane	6.87	97	418650	19.698	ug/l	96
36) 1,1-Dichloropropene	7.15	75	305224	20.874	ug/l	94
37) Ethyl Acetate	6.19	43	123328	20.128	ug/l #	90
38) Carbon Tetrachloride	7.11	117	442193	20.065	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	248591	19.993	ug/l	98
40) Benzene	7.45	78	664871	20.662	ug/l	94
41) Methacrylonitrile	6.46	41	166733	21.612	ug/l #	97
42) 1,2-Dichloroethane	7.58	62	336657	20.807	ug/l	98
43) Isopropyl Acetate	9.25	43	188238	22.938	ug/l #	97
44) Trichloroethene	8.55	130	240644	19.565	ug/l	93
45) 1,2-Dichloropropane	8.94	63	164336	21.930	ug/l	99
46) Dibromomethane	9.07	93	140138	21.898	ug/l	92
47) Bromodichloromethane	9.38	83	336753	20.515	ug/l	97
48) Methyl methacrylate	9.13	41	119820	21.530	ug/l	91
49) 1,4-Dioxane	9.08	88	20425	425.557	ug/l #	65
51) 4-Methyl-2-Pentanone	10.31	43	622528	110.861	ug/l	96
52) Toluene	10.52	92	422222	20.371	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	278825	20.813	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	312370	20.679	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	142886	20.409	ug/l	95
56) Ethyl methacrylate	11.05	69	151510	19.938	ug/l	96
57) 1,3-Dichloropropane	11.41	76	233420	22.056	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	391799	97.661	ug/l	92
59) 2-Hexanone	11.54	43	452219	110.678	ug/l	98
60) Dibromochloromethane	11.69	129	275577	21.631	ug/l	93
61) 1,2-Dibromoethane	11.81	107	175757	20.737	ug/l	92
64) Tetrachloroethene	11.26	164	214678	19.710	ug/l	97
65) Chlorobenzene	12.41	112	553322	20.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	229894	19.754	ug/l	97
67) Ethyl Benzene	12.52	91	902192	19.622	ug/l	98
68) m/p-Xylenes	12.67	106	673556	41.696	ug/l	95
69) o-Xylene	13.06	106	326425	20.995	ug/l	92
70) Styrene	13.08	104	526136	19.025	ug/l	98
71) Bromoform	13.23	173	162110	20.315	ug/l #	99
73) Isopropylbenzene	13.41	105	1000143	21.693	ug/l	98
74) N-amyl acetate	13.27	43	235086	20.313	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	172144	22.496	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	172182	20.698	ug/l	94
77) Bromobenzene	13.68	156	269581	21.395	ug/l	82
78) n-propylbenzene	13.77	91	1006581	18.660	ug/l	95
79) 2-Chlorotoluene	13.84	91	639844	20.572	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	822480	20.418	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	44185	19.762	ug/l	97
82) 4-Chlorotoluene	13.95	91	748022	20.000	ug/l	96
83) tert-Butylbenzene	14.19	119	901412	21.250	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	788246	21.149	ug/l	91
85) sec-Butylbenzene	14.38	105	917996	20.378	ug/l	97
86) p-Isopropyltoluene	14.49	119	862687	20.029	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	464244	20.369	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	432643	19.786	ug/l	98
89) n-Butylbenzene	14.80	91	773841	19.685	ug/l	95
90) Hexachloroethane	15.02	117	221316	20.443	ug/l	79
91) 1,2-Dichlorobenzene	14.81	146	398504	20.609	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27553	19.122	ug/l	71

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QLast Update : Sat Aug 10 06:42:47 2019
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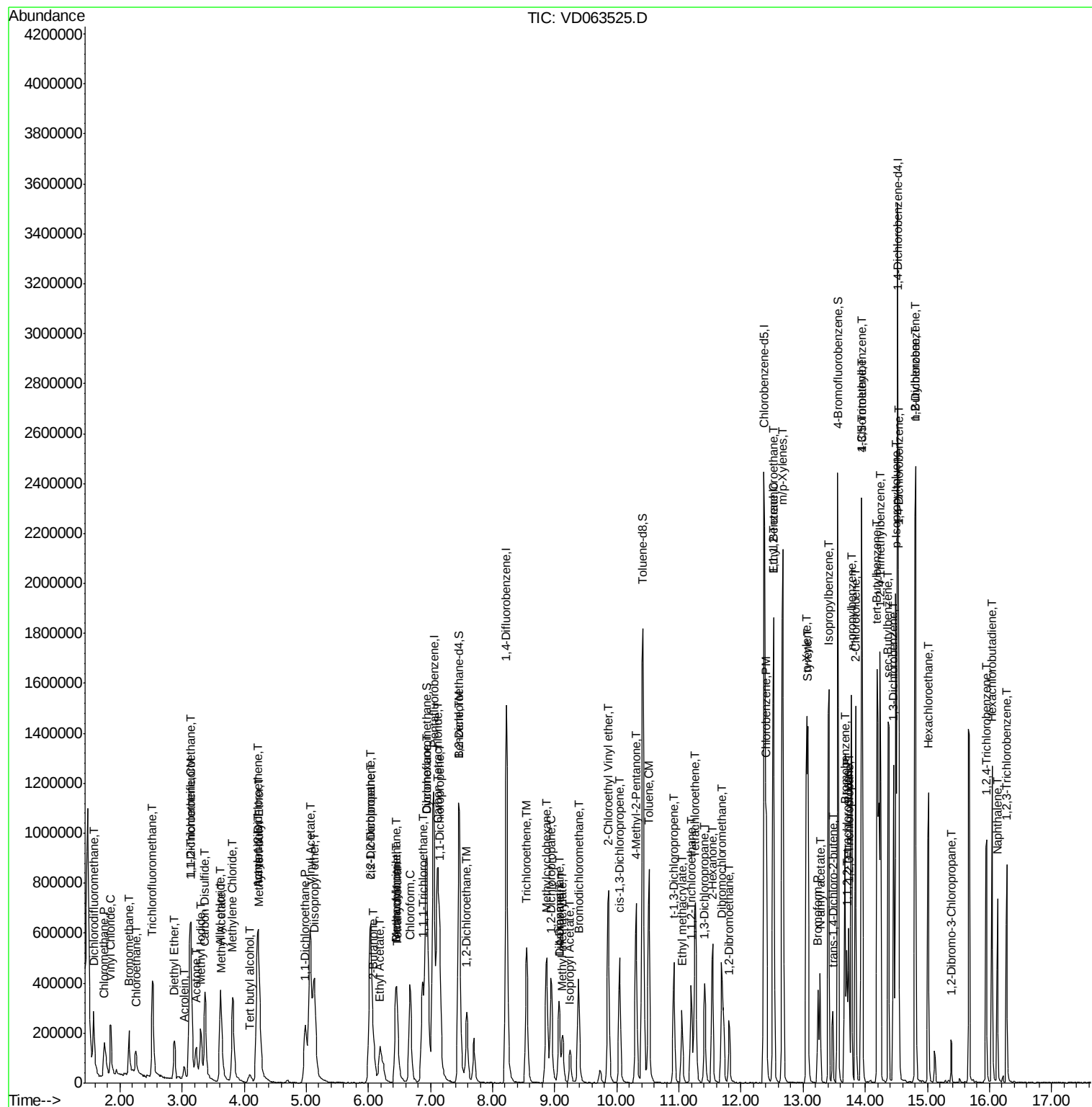
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	287372	20.197	ug/l	94
94) Hexachlorobutadiene	16.04	225	199821	18.427	ug/l	97
95) Naphthalene	16.13	128	434964	20.171	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	230943	20.096	ug/l	97

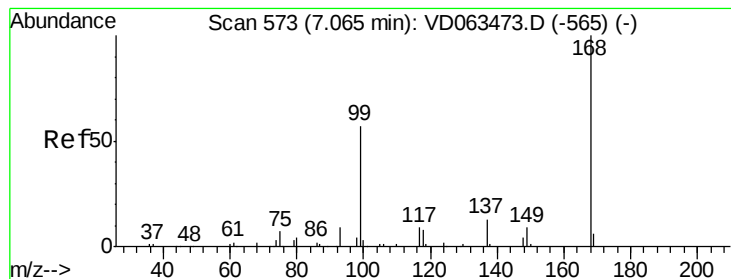
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

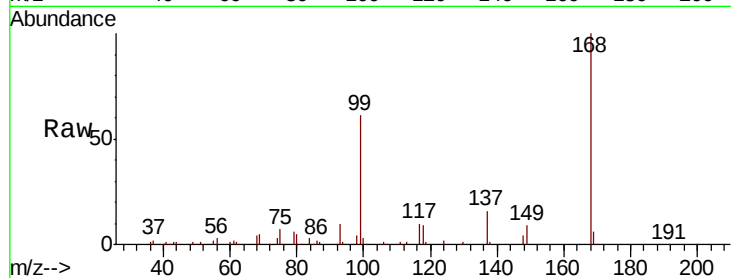
ClientSampleId :

Tot Ion:168 Resp: 1149730

Ion Ratio Lower Upper

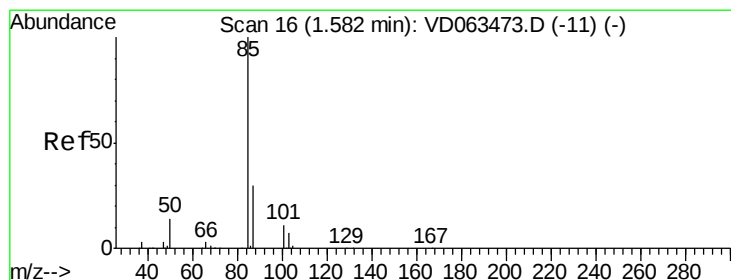
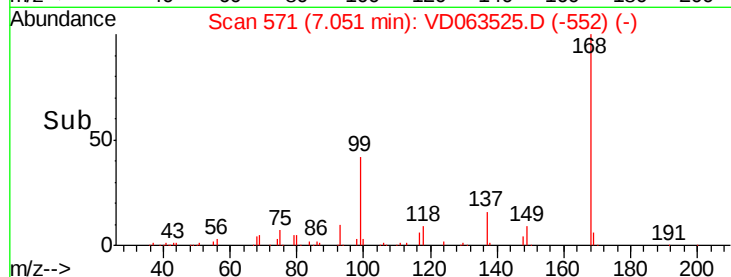
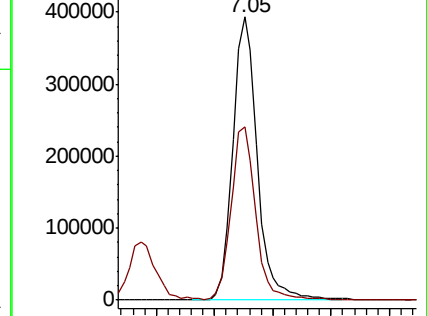
168 100

99 61.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.094 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063525.D

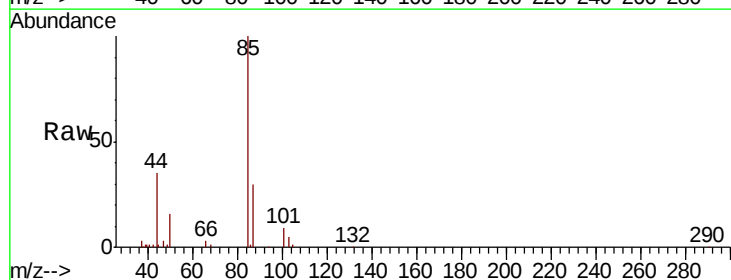
Acq: 13 Aug 2019 14:20

Tgt Ion: 85 Resp: 279498

Ion Ratio Lower Upper

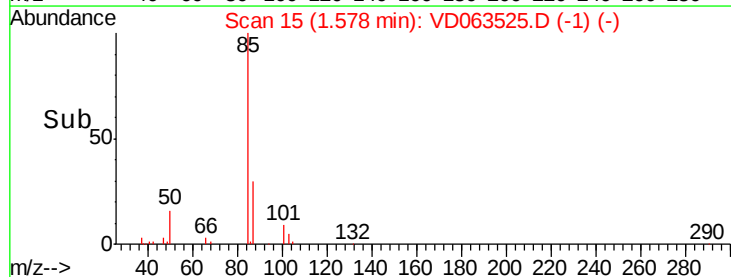
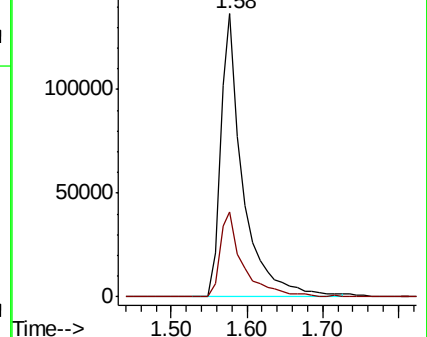
85 100

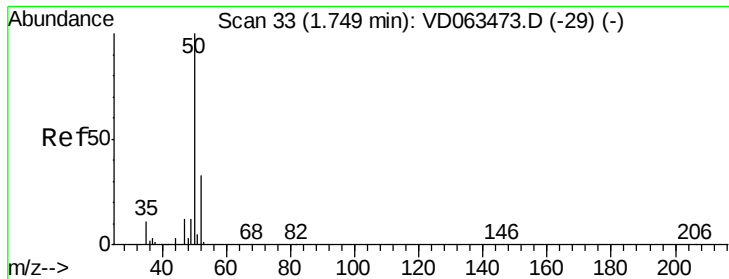
87 29.9 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.754 ug/l

RT: 1.75 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

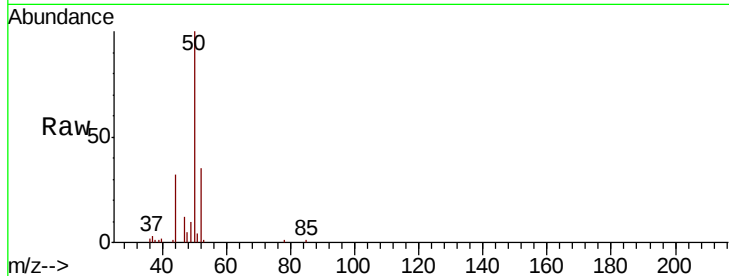
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 236412

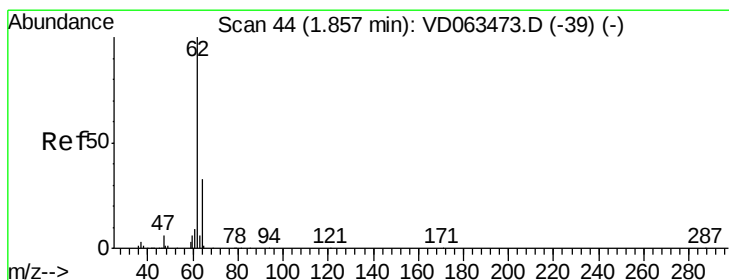
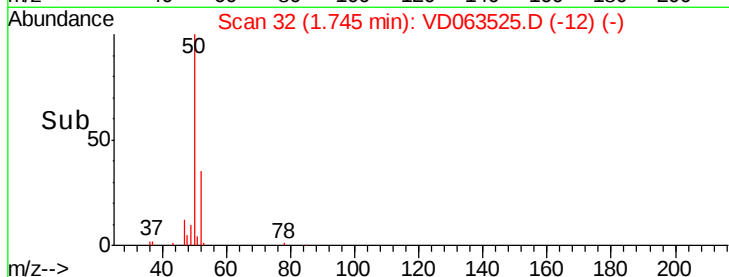
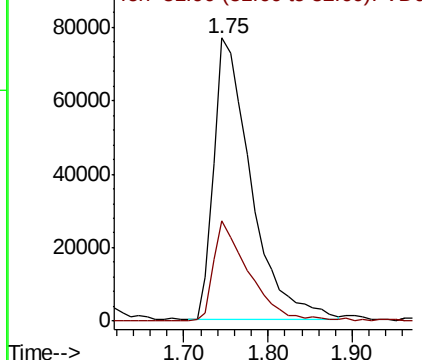
Ion Ratio Lower Upper

50 100

52 35.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.583 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063525.D

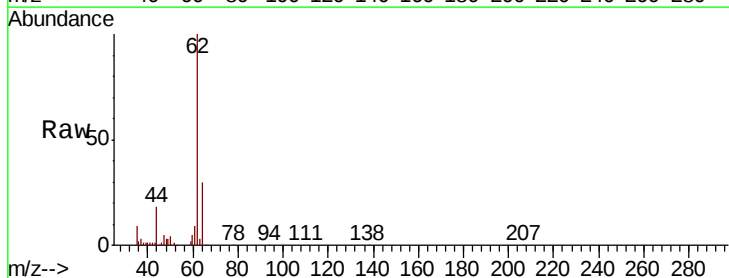
Acq: 13 Aug 2019 14:20

Tgt Ion: 62 Resp: 232850

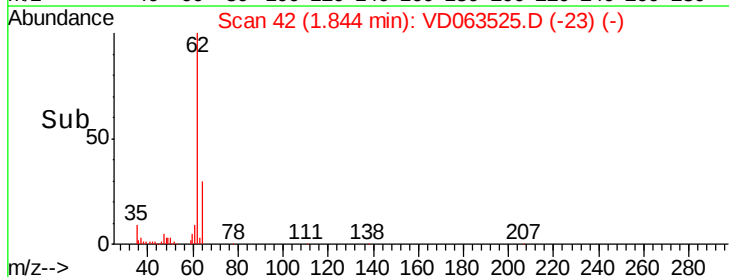
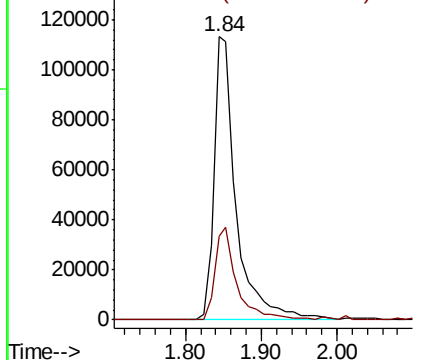
Ion Ratio Lower Upper

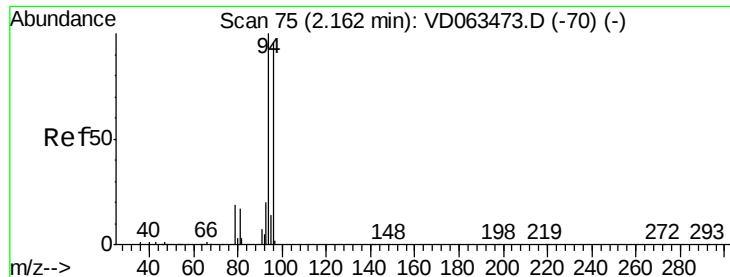
62 100

64 29.6 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.881 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

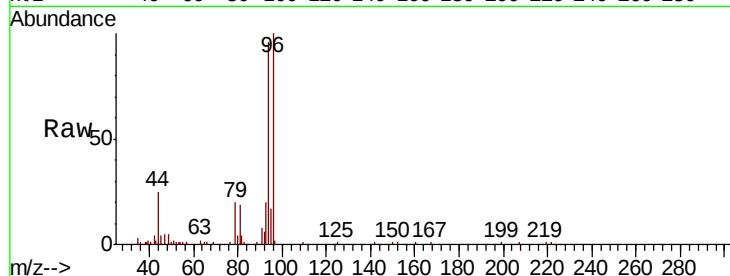
Tot Ion: 94 Resp: 91024

Ion Ratio Lower Upper

94 100

96 104.6 76.5 114.7

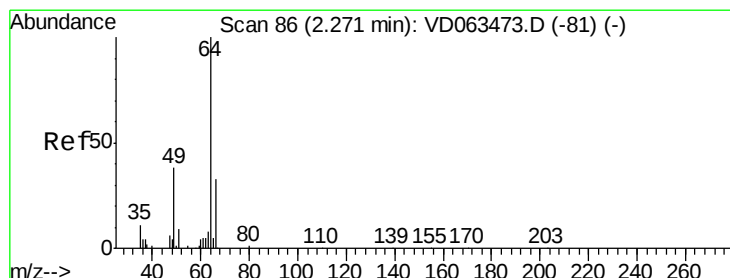
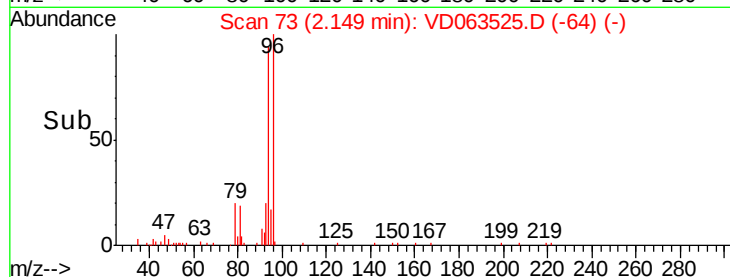
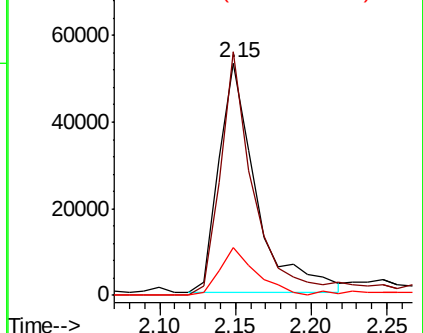
93 20.6 15.8 23.8



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: 19.261 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063525.D

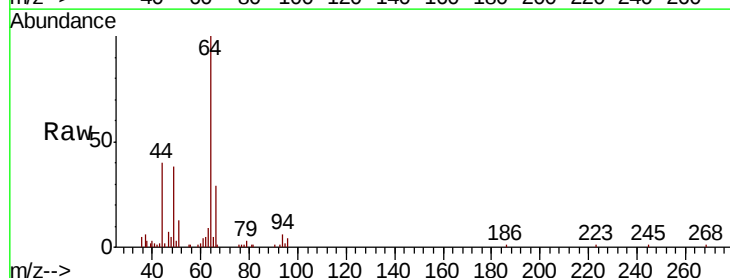
Acq: 13 Aug 2019 14:20

Tgt Ion: 64 Resp: 95025

Ion Ratio Lower Upper

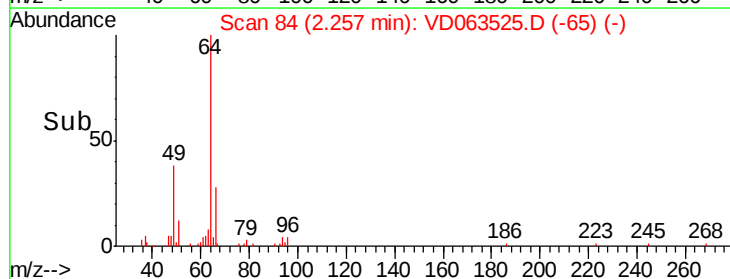
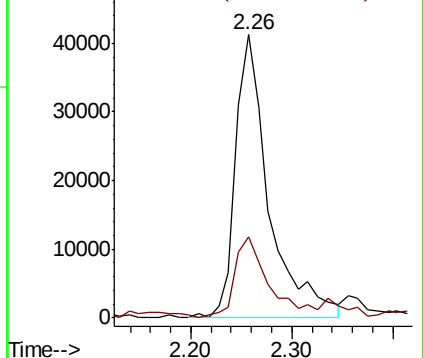
64 100

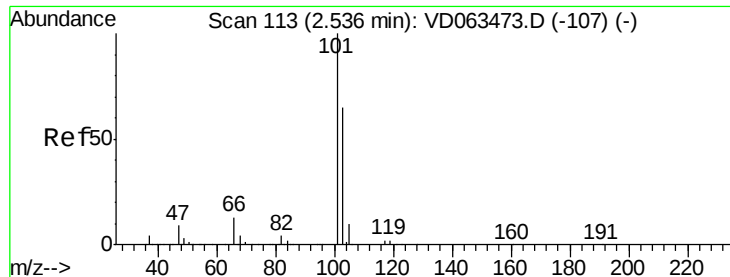
66 28.7 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



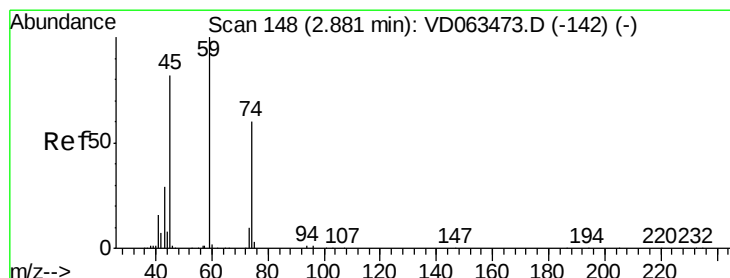
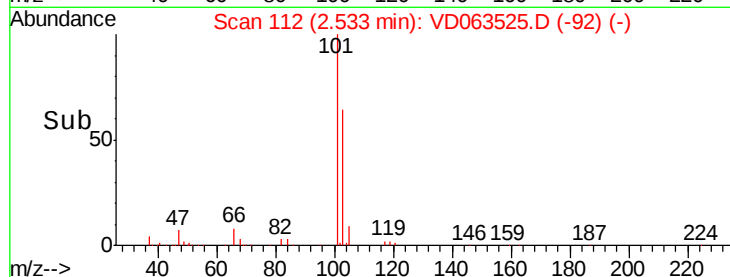
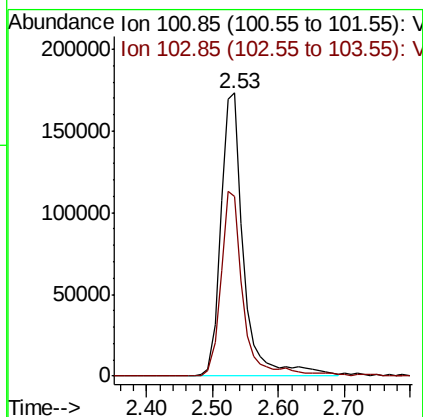
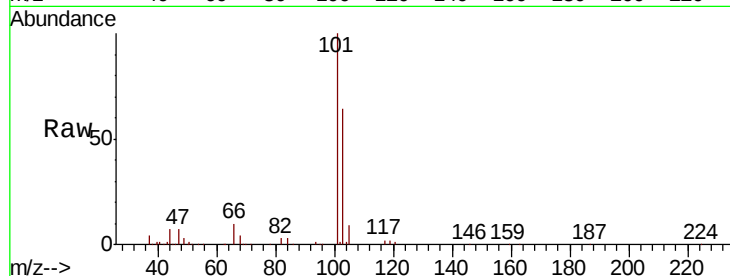


#7

Trichlorofluoromethane
Concen: 19.719 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :

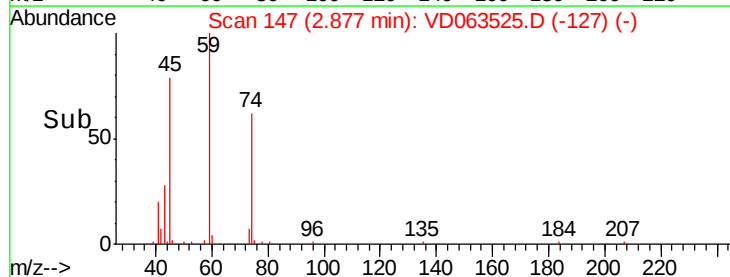
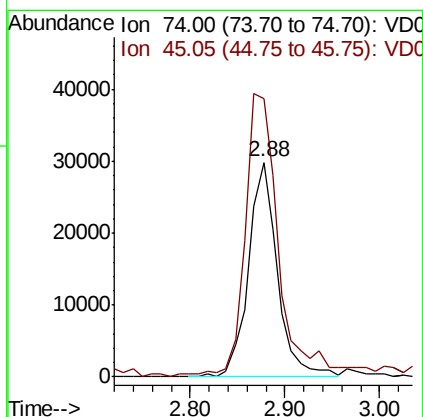
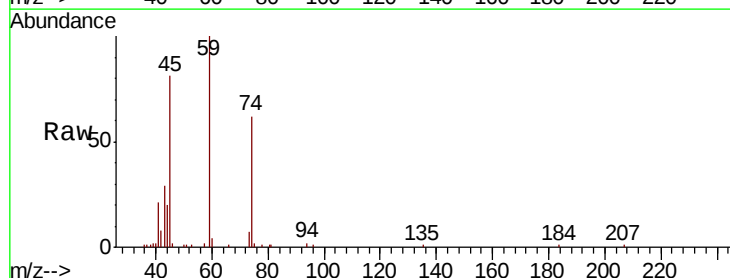
Tot Ion:101 Resp: 417295
Ion Ratio Lower Upper
101 100
103 63.6 52.2 78.4



#8

Diethyl Ether
Concen: 21.100 ug/l
RT: 2.88 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion: 74 Resp: 63043
Ion Ratio Lower Upper
74 100
45 129.6 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.768 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

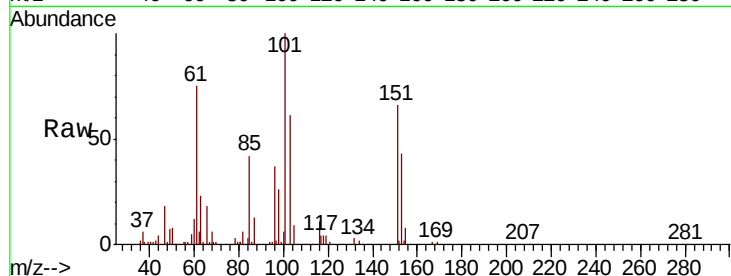
Tot Ion:101 Resp: 247014

Ion Ratio Lower Upper

101 100

85 41.9 35.8 53.6

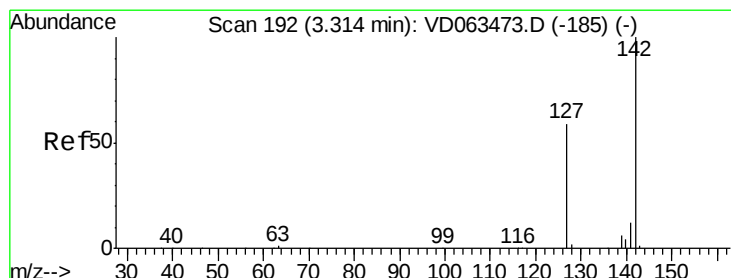
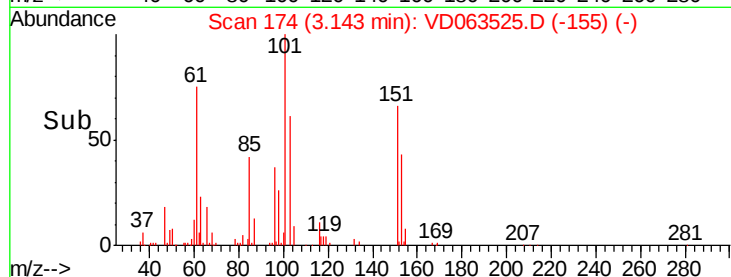
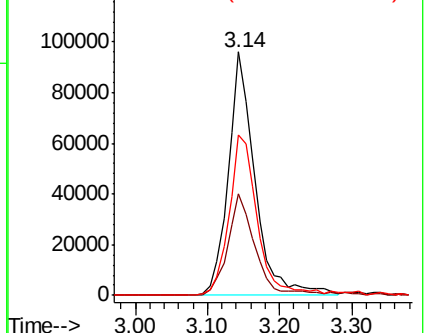
151 66.0 58.6 88.0



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: 17.801 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

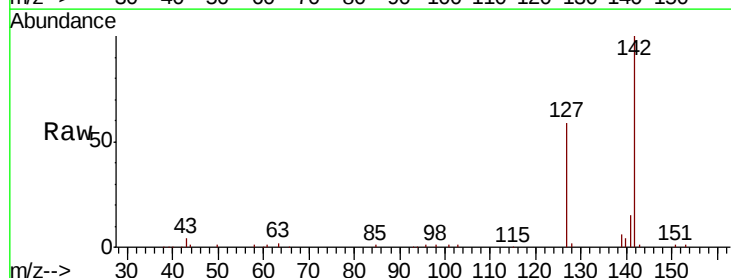
Tgt Ion:142 Resp: 314728

Ion Ratio Lower Upper

142 100

127 59.3 47.2 70.8

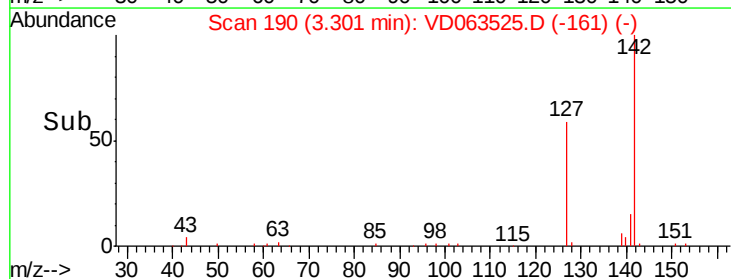
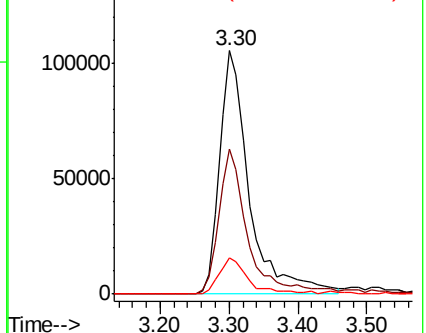
141 15.1 9.8 14.8#

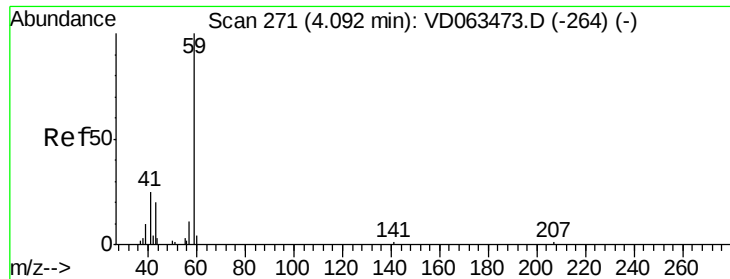


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



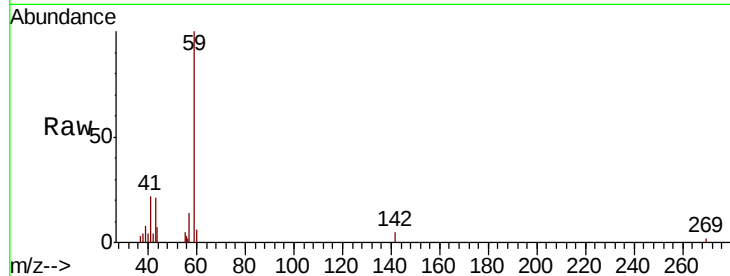


#11

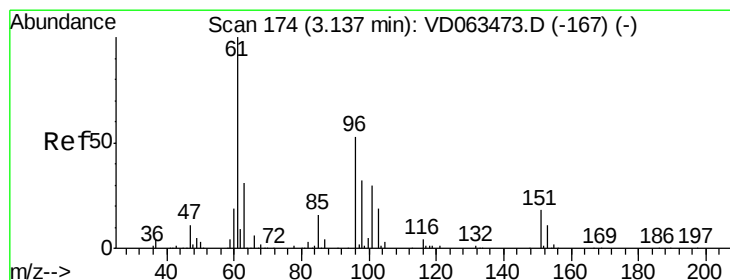
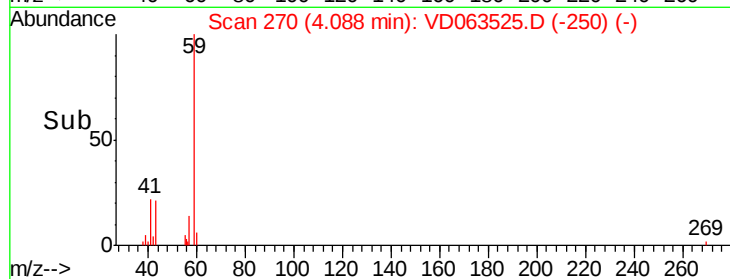
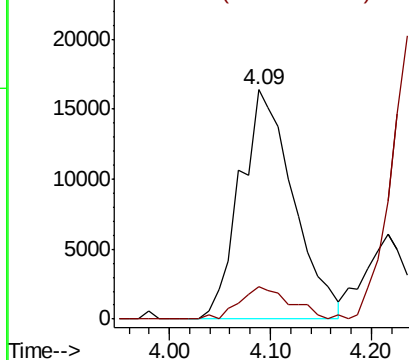
Tert butyl alcohol
 Concen: 112.345 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 60104
 Ion Ratio Lower Upper
 59 100
 57 14.4 8.7 13.1#



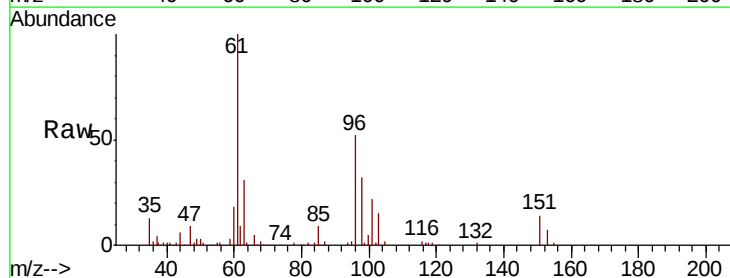
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



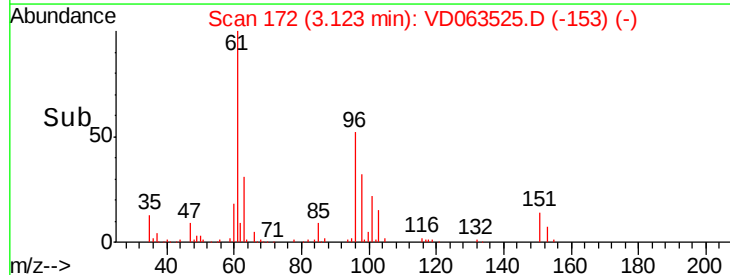
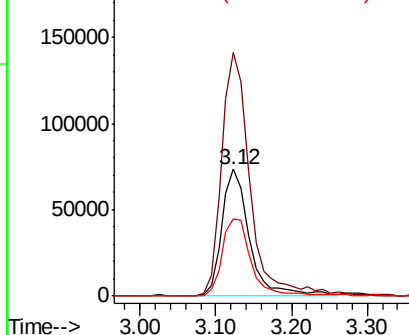
#12

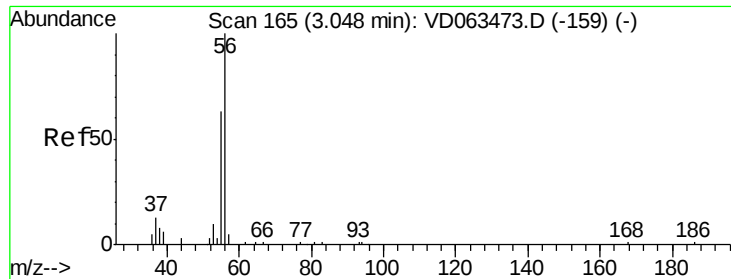
1,1-Dichloroethene
 Concen: 20.232 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Tgt Ion: 96 Resp: 187959
 Ion Ratio Lower Upper
 96 100
 61 192.3 151.7 227.5
 98 61.3 48.4 72.6



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

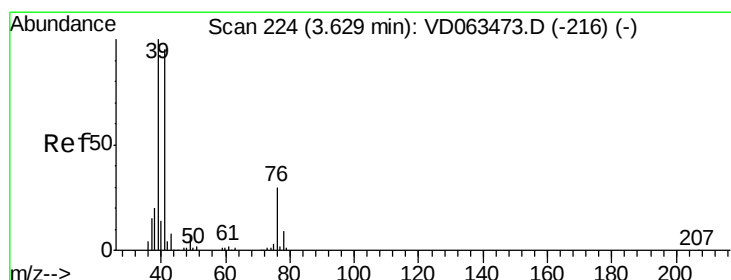
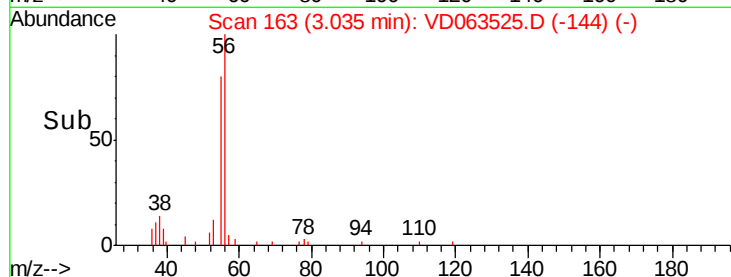
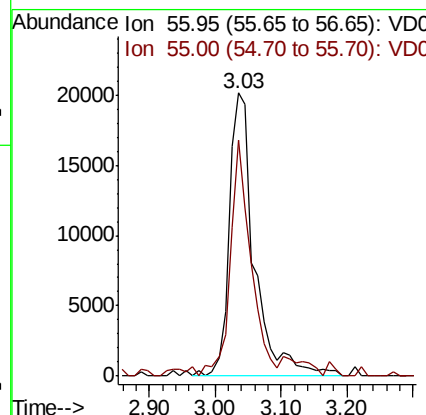
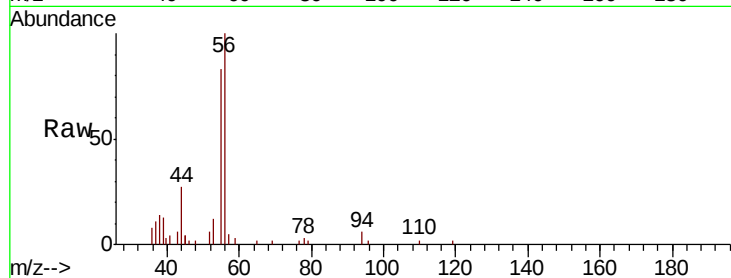




#13
Acrolein
Concen: 102.566 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

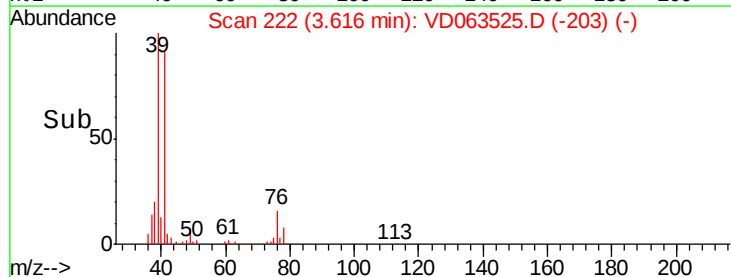
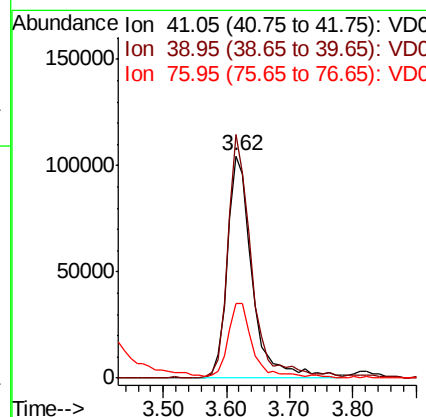
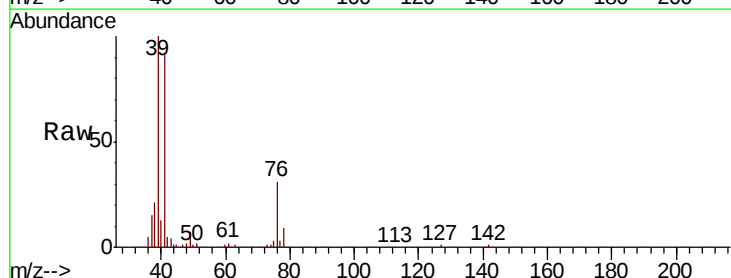
Instrument :
MSVOA_D
ClientSampleId :

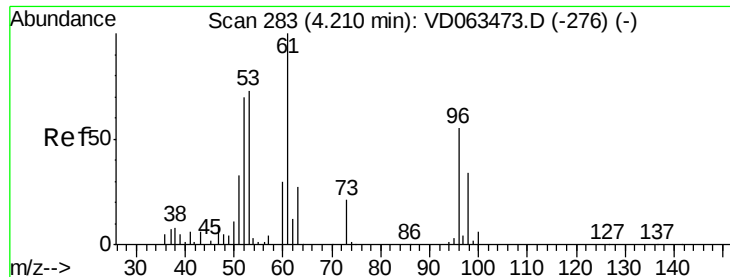
Tot Ion: 56 Resp: 54012
Ion Ratio Lower Upper
56 100
55 83.3 51.3 76.9#



#14
Allyl chloride
Concen: 20.567 ug/l
RT: 3.62 min Scan# 222
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion: 41 Resp: 287234
Ion Ratio Lower Upper
41 100
39 109.7 84.2 126.4
76 33.5 26.0 39.0





#15

Acrylonitrile

Concen: 115.521 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :

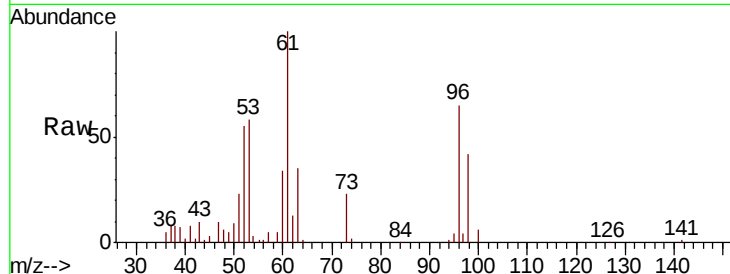
Tot Ion: 53 Resp: 163702

Ion Ratio Lower Upper

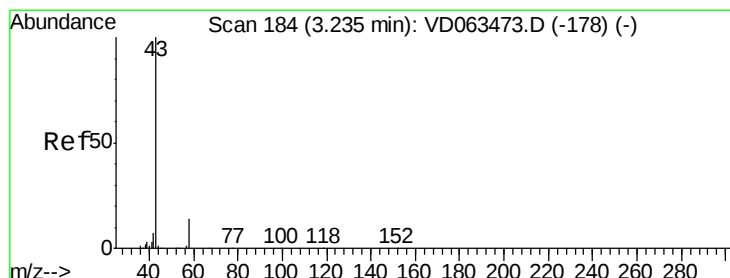
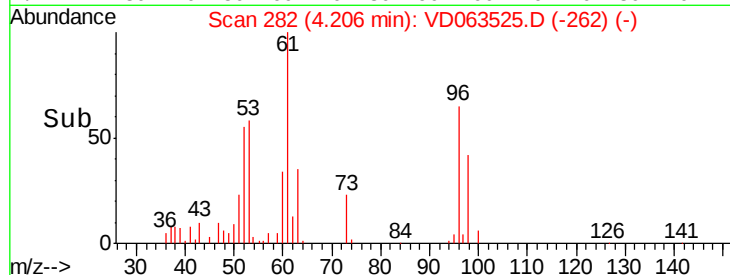
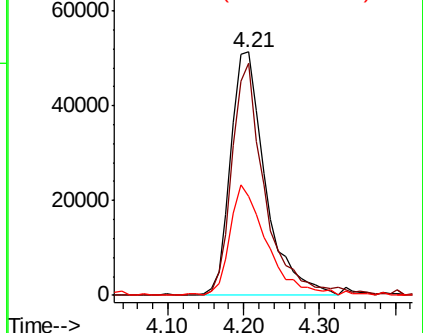
53 100

52 95.6 77.4 116.0

51 40.4 36.7 55.1



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: 92.744 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063525.D

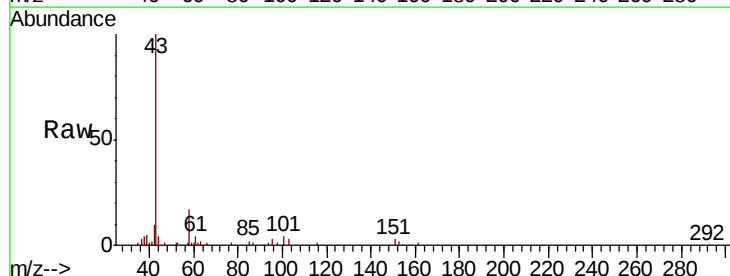
Acq: 13 Aug 2019 14:20

Tgt Ion: 43 Resp: 231699

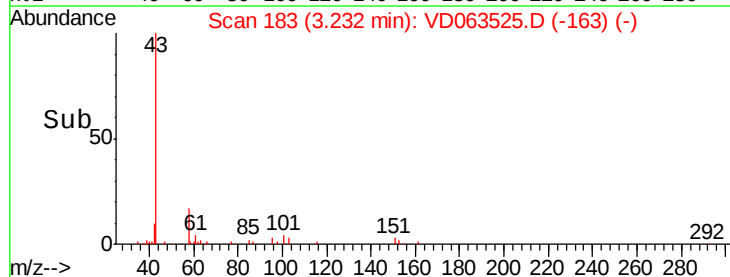
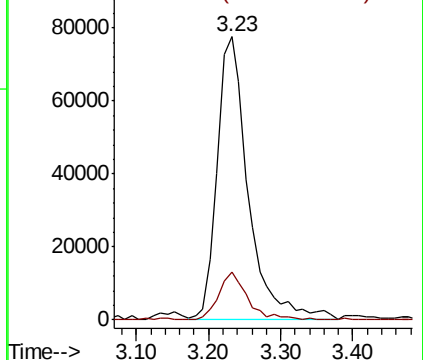
Ion Ratio Lower Upper

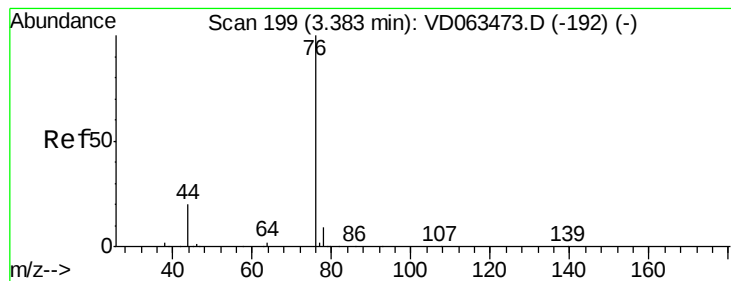
43 100

58 17.1 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.802 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

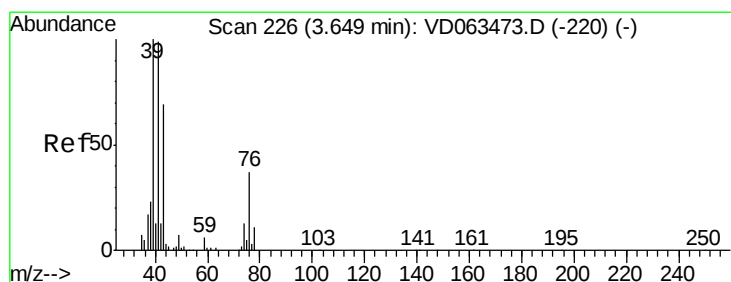
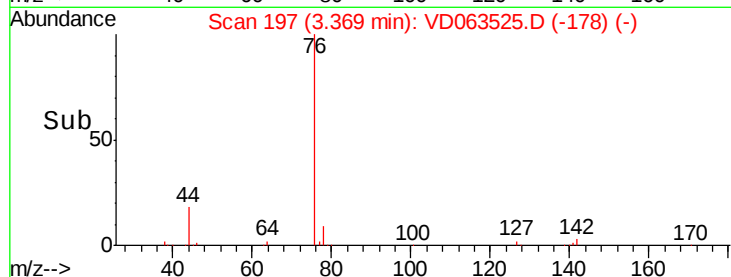
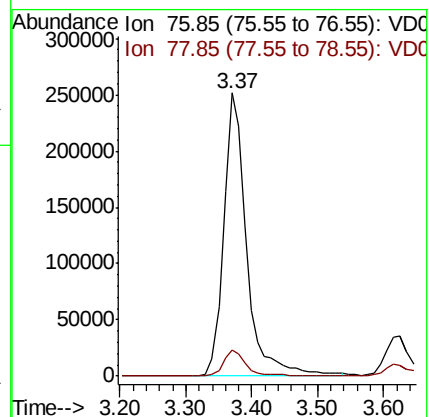
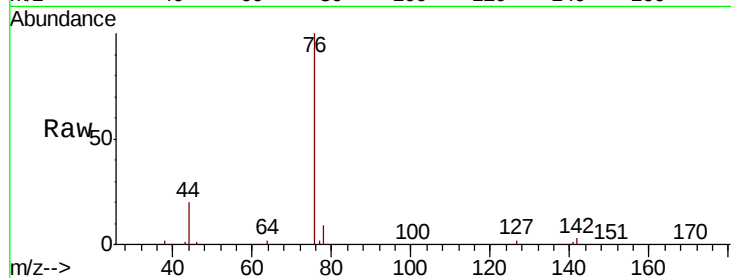
ClientSampled :

Tot Ion: 76 Resp: 609917

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



#18

Methyl Acetate

Concen: 23.550 ug/l

RT: 3.65 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063525.D

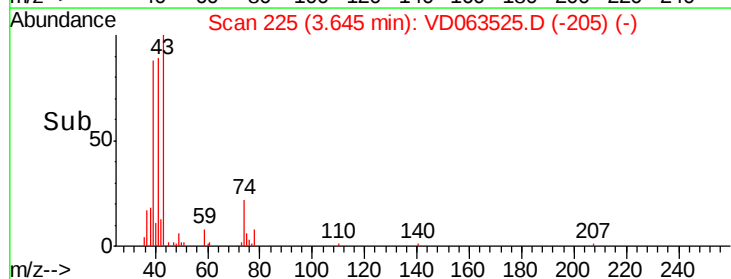
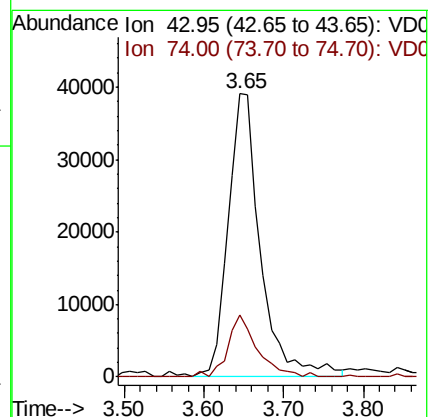
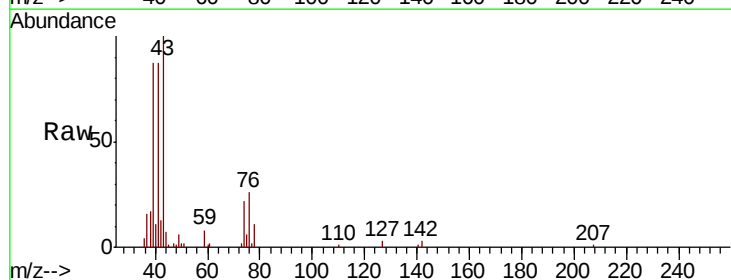
Acq: 13 Aug 2019 14:20

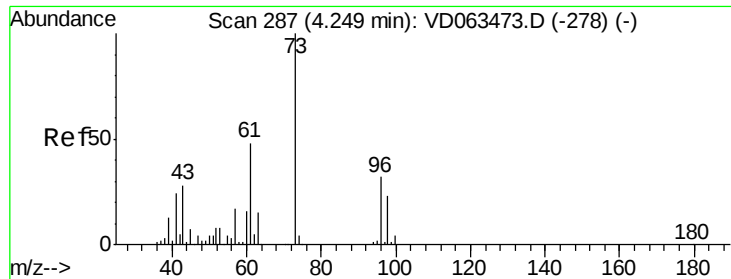
Tgt Ion: 43 Resp: 111441

Ion Ratio Lower Upper

43 100

74 22.1 15.4 23.2

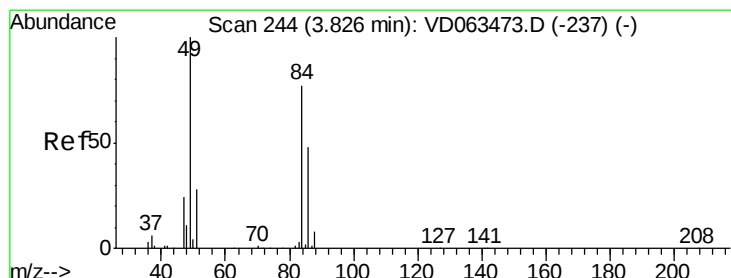
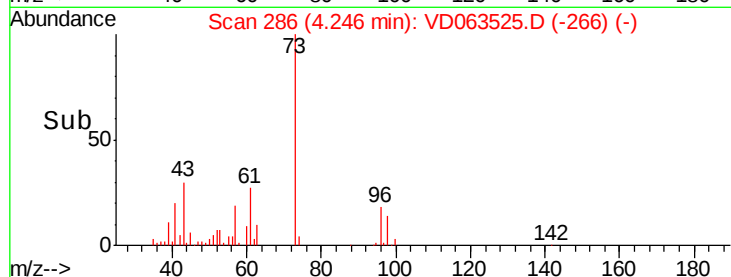
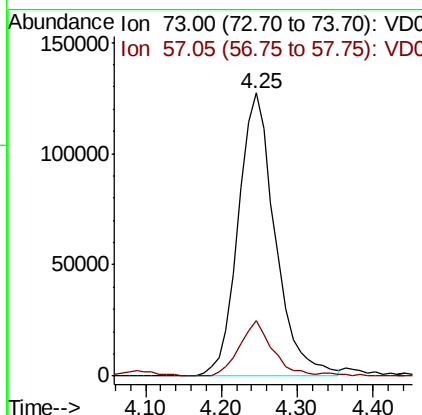
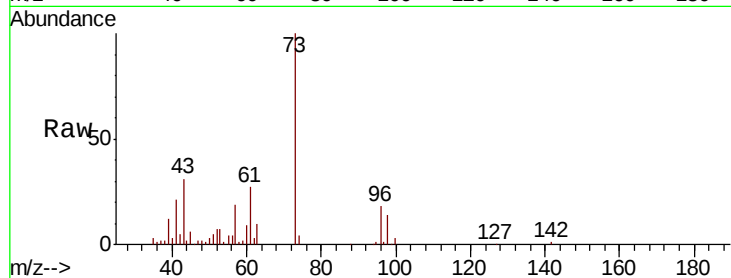




#19
Methvl tert-butvl Ether
Concen: 23.238 ug/l
RT: 4.25 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

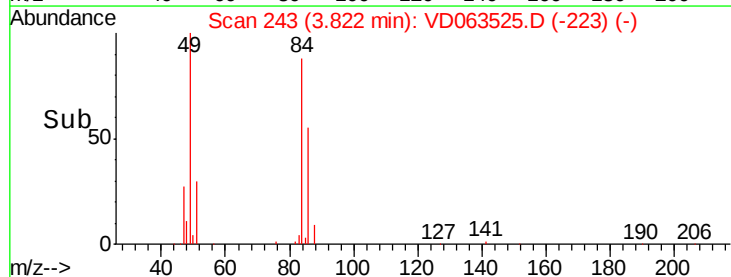
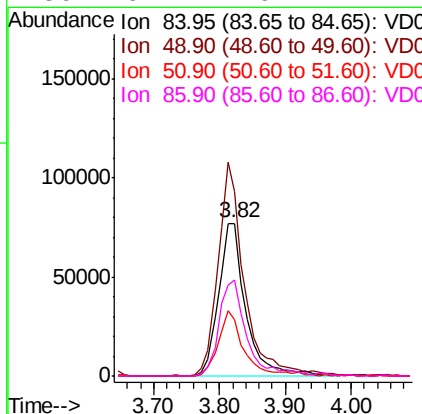
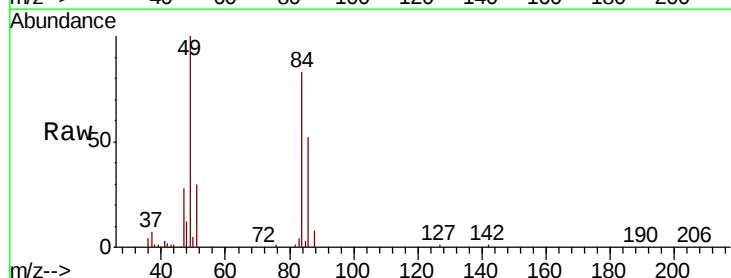
Instrument :
MSVOA_D
ClientSampled :

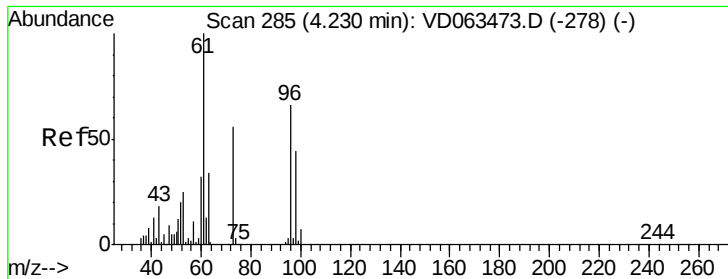
Tot Ion: 73 Resp: 431751
Ion Ratio Lower Upper
73 100
57 19.5 14.0 21.0



#20
Methylene Chloride
Concen: 20.502 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion: 84 Resp: 221480
Ion Ratio Lower Upper
84 100
49 120.7 103.4 155.2
51 36.7 28.5 42.7
86 62.7 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.260 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :

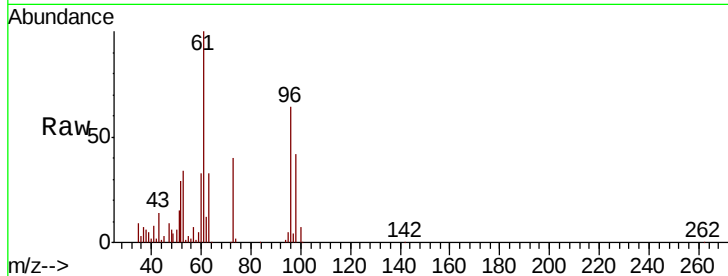
Tot Ion: 96 Resp: 217619

Ion Ratio Lower Upper

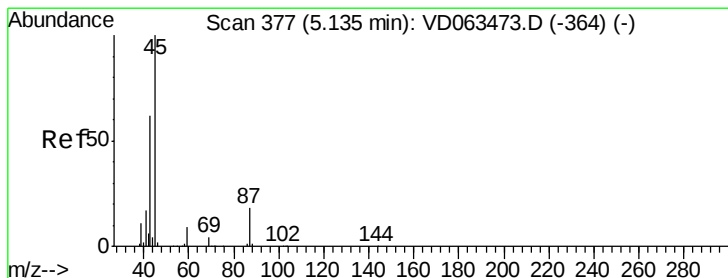
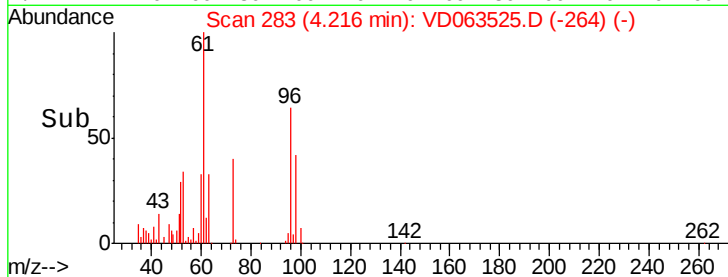
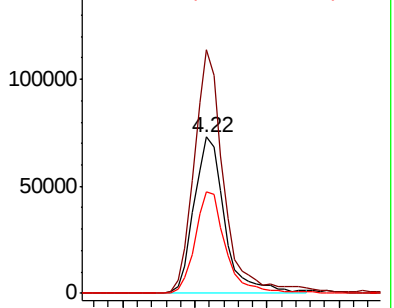
96 100

61 155.5 121.7 182.5

98 65.0 54.2 81.2



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: 22.527 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Tgt Ion: 45 Resp: 649211

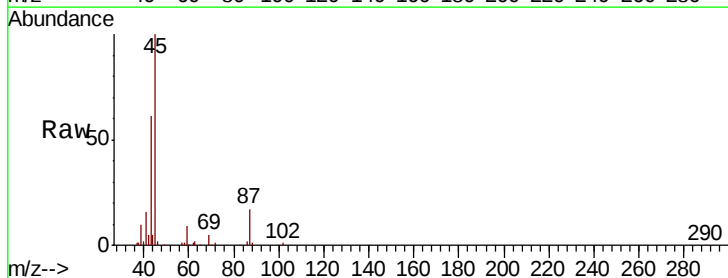
Ion Ratio Lower Upper

45 100

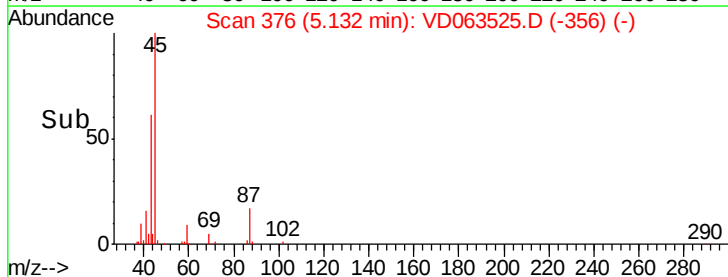
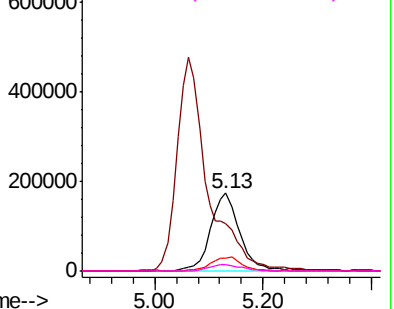
43 61.4 50.3 75.5

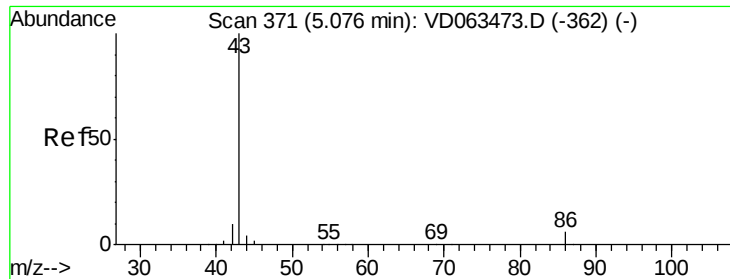
87 16.8 14.3 21.5

59 9.0 7.7 11.5



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

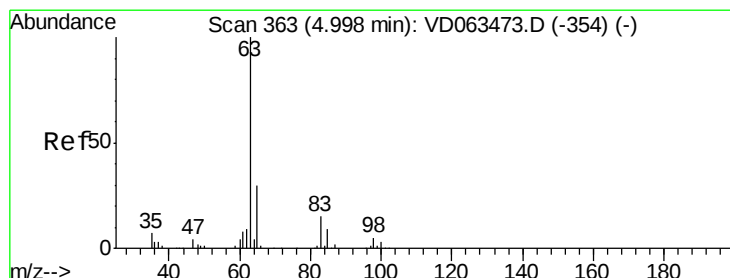
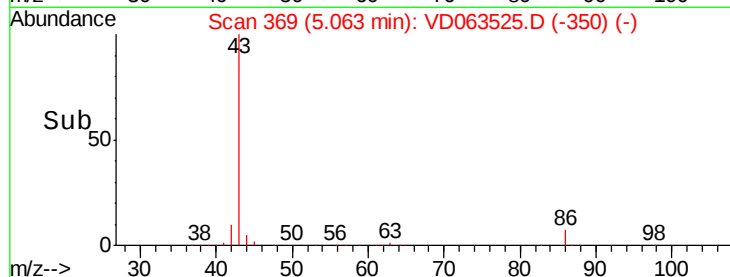
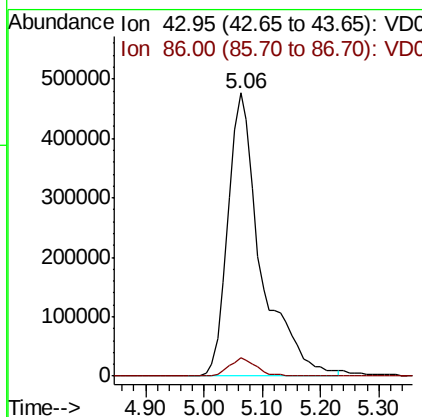
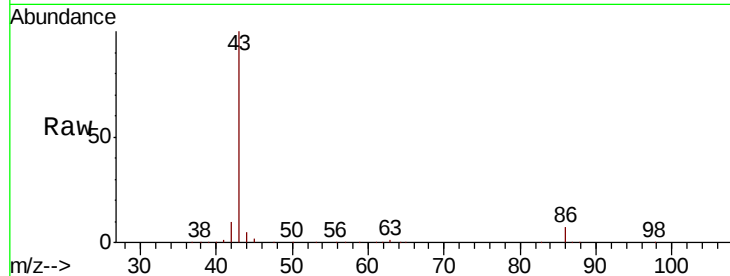




#23
 Vinyl Acetate
 Concen: 112.109 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

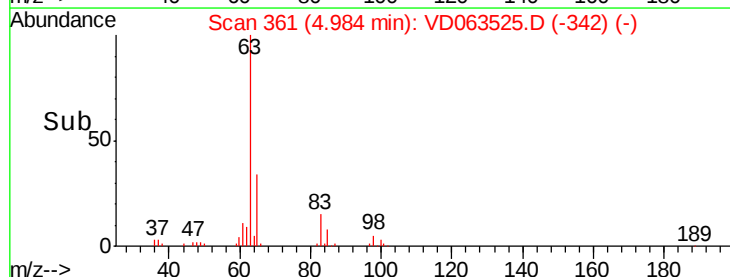
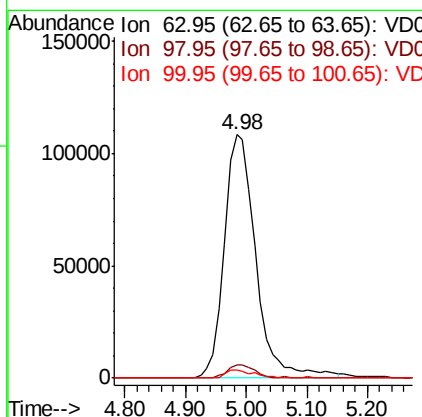
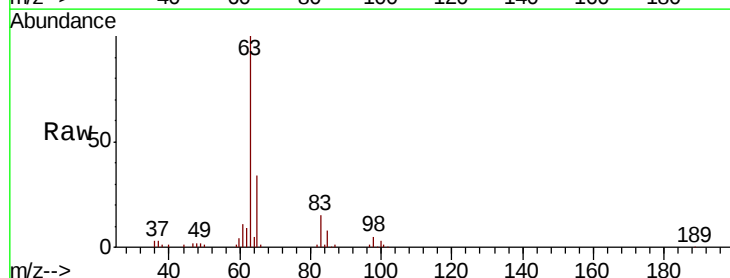
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 1878293
 Ion Ratio Lower Upper
 43 100
 86 6.6 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 21.904 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Tgt Ion: 63 Resp: 391530
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.4 7.2
 100 3.6 1.3 3.8





#25

2-Butanone

Concen: 99.485 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

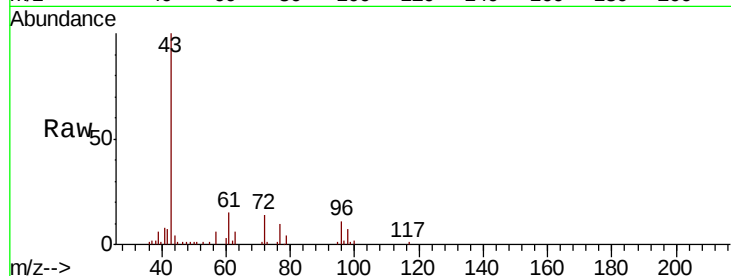
ClientSampled :

Tot Ion: 43 Resp: 245467

Ion Ratio Lower Upper

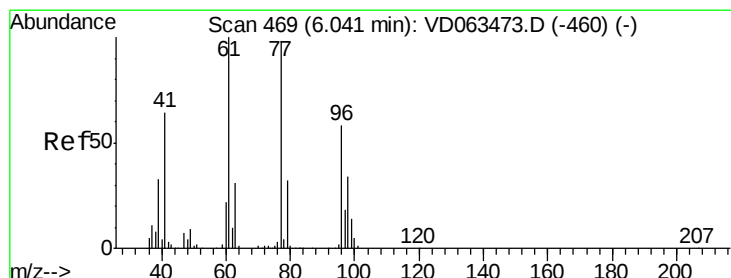
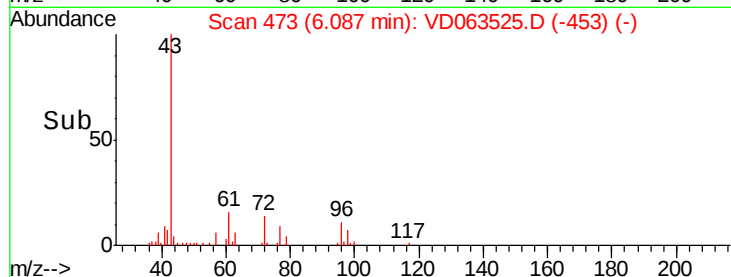
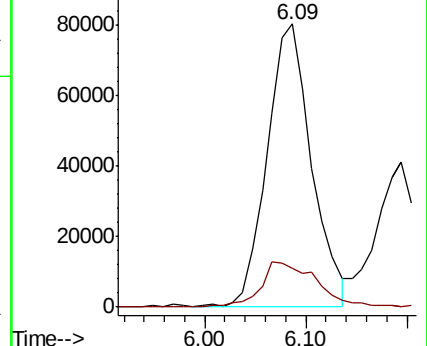
43 100

72 13.9 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.528 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063525.D

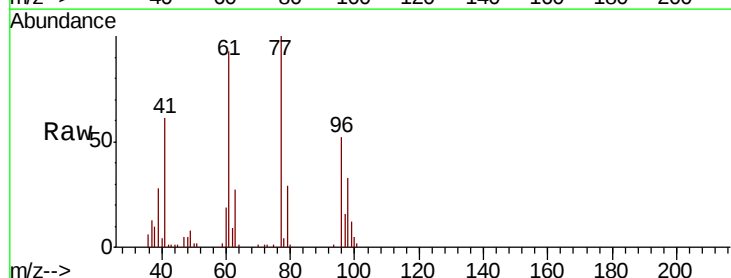
Acq: 13 Aug 2019 14:20

Tgt Ion: 77 Resp: 365467

Ion Ratio Lower Upper

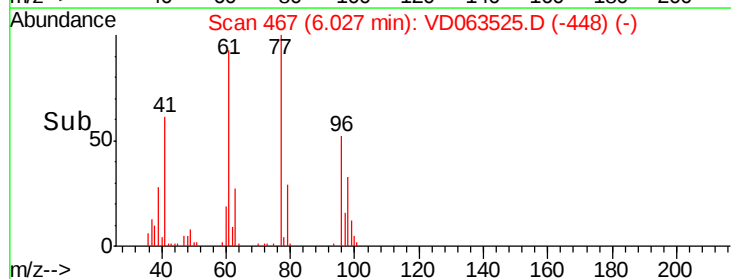
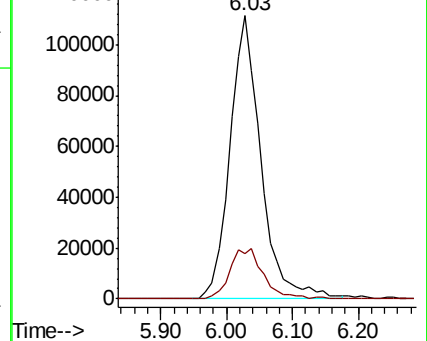
77 100

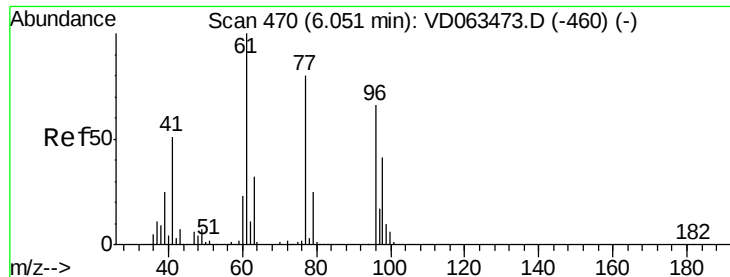
97 16.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



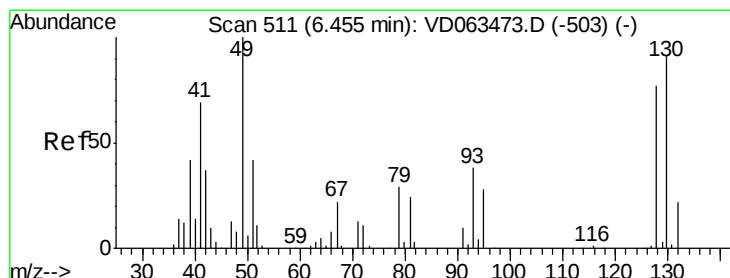
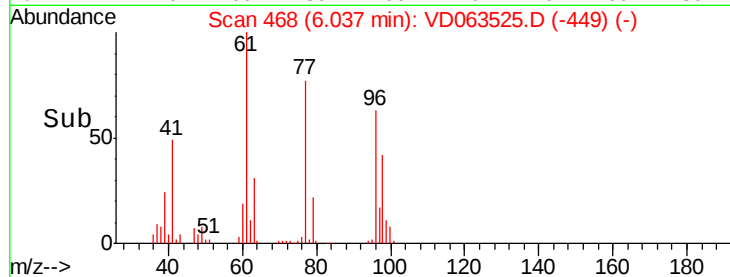
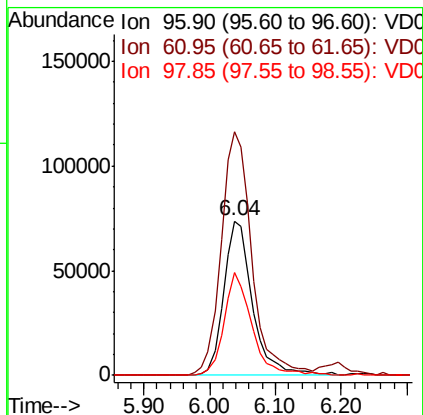
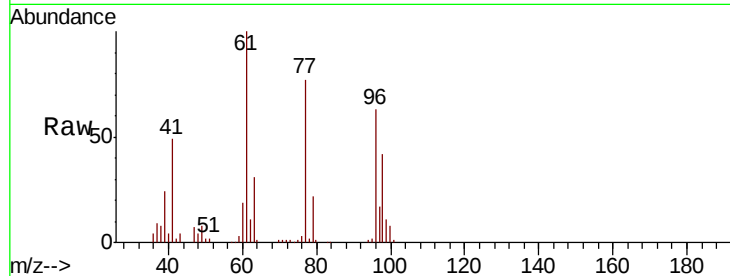


#27

cis-1,2-Dichloroethene
Concen: 21.075 ug/l
RT: 6.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :

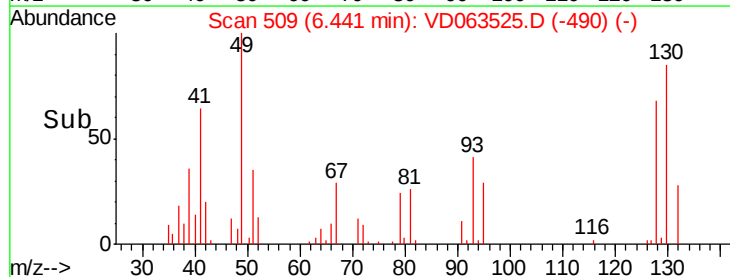
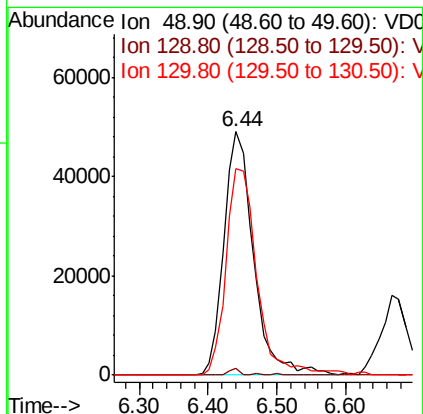
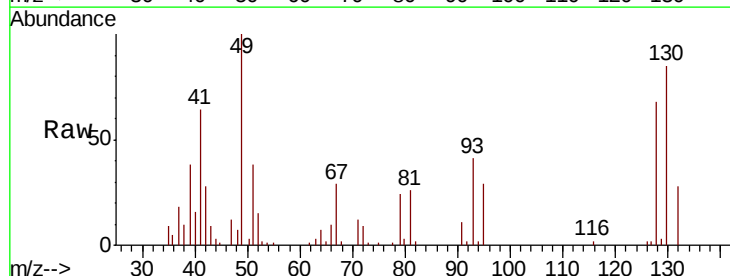
Tot Ion	96	Resp	225419
Ion Ratio	Lower	Upper	
96	100		
61	157.9	0.0	304.0
98	67.1	0.0	124.8

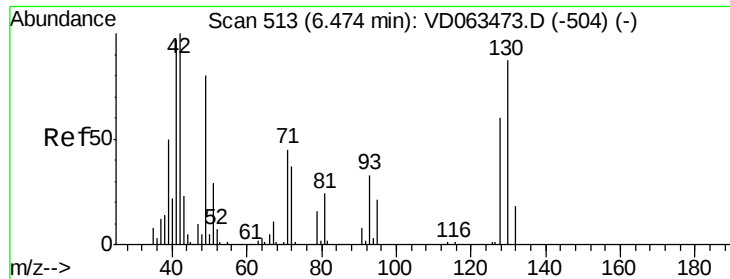


#28

Bromochloromethane
Concen: 20.193 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion	49	Resp	146286
Ion Ratio	Lower	Upper	
49	100		
129	3.0	0.0	6.4
130	85.0	72.4	108.6

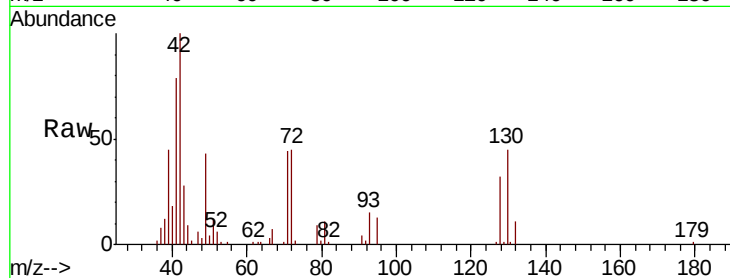




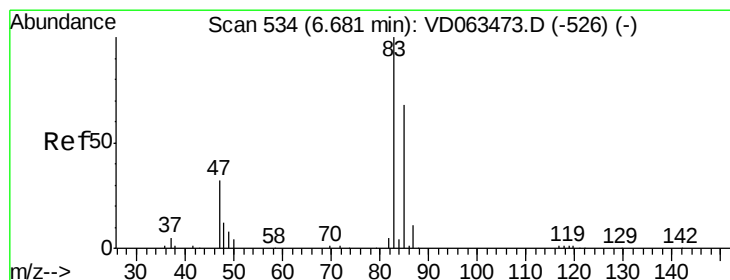
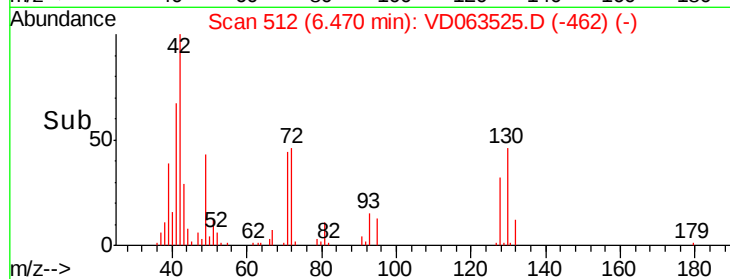
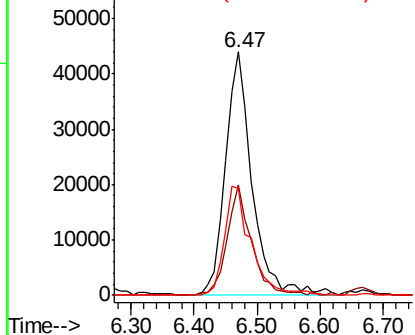
#29
Tetrahydrofuran
Concen: 111.937 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	31.5	47.3
71	45.0	33.8	50.8

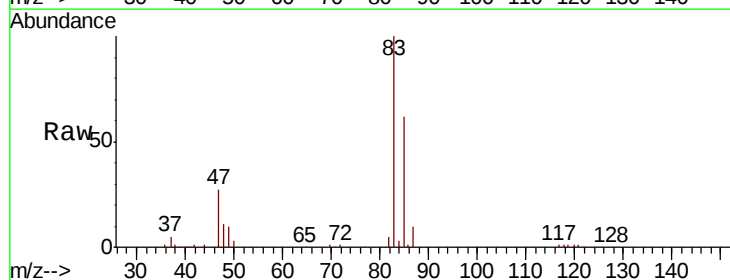


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

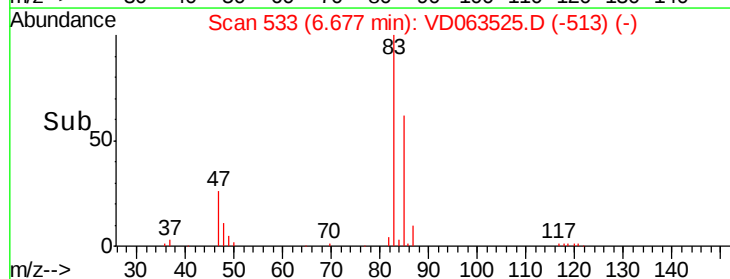
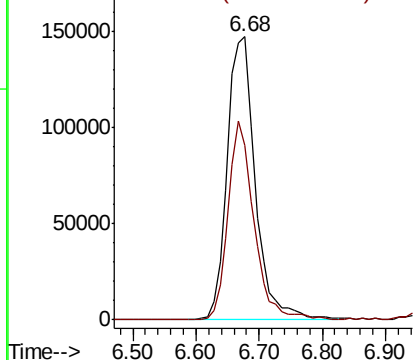


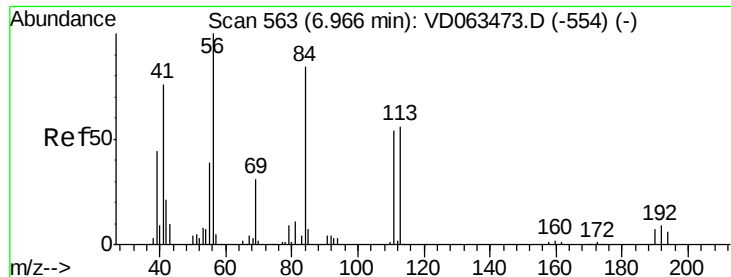
#30
Chloroform
Concen: 20.374 ug/l
RT: 6.68 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	54.8	82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

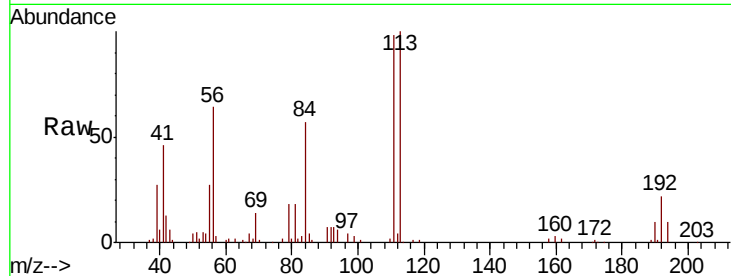




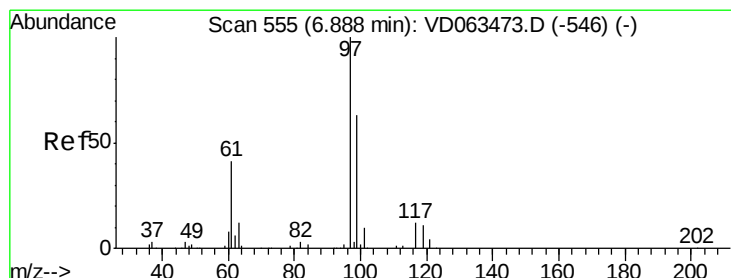
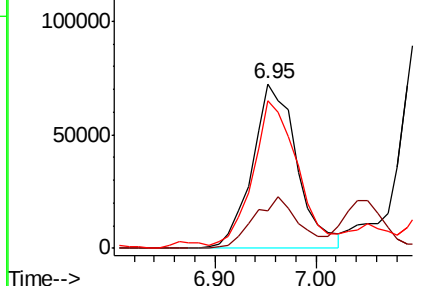
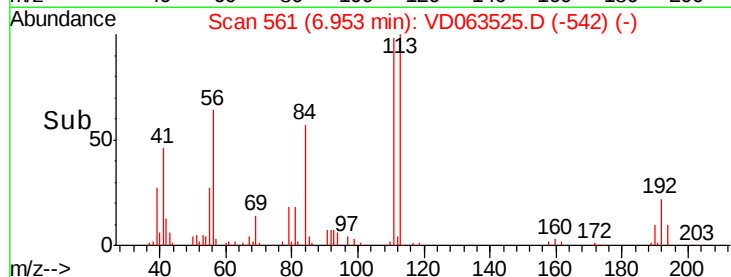
#31
Cyclohexane
Concen: 20.161 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 223721
Ion Ratio Lower Upper
56 100
69 22.6 25.0 37.6#
84 89.5 69.7 104.5

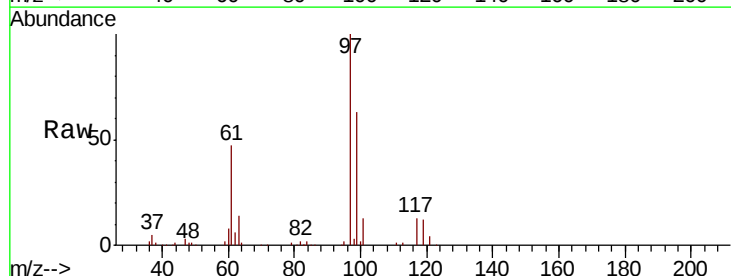


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

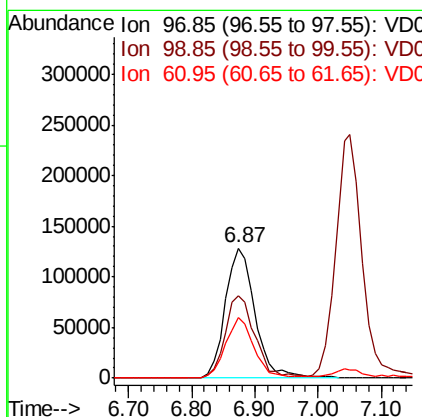
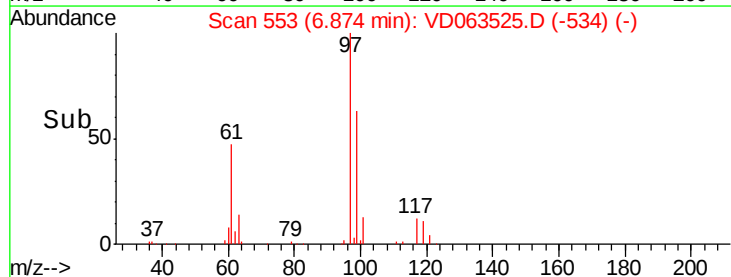


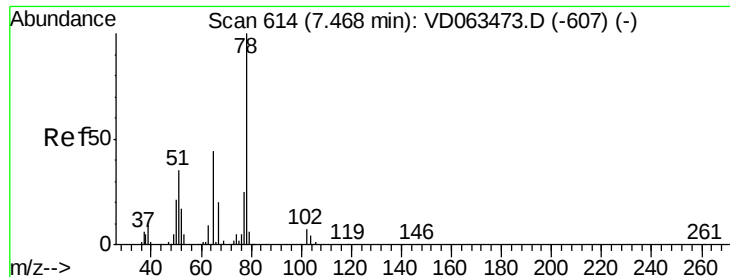
#32
1,1,1-Trichloroethane
Concen: 19.698 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion: 97 Resp: 418650
Ion Ratio Lower Upper
97 100
99 63.4 50.2 75.4
61 46.8 33.1 49.7



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.507 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

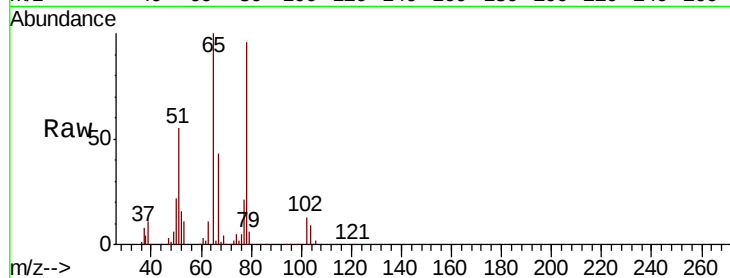
ClientSampleId :

Tot Ion: 65 Resp: 645292

Ion Ratio Lower Upper

65 100

67 43.4 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

0

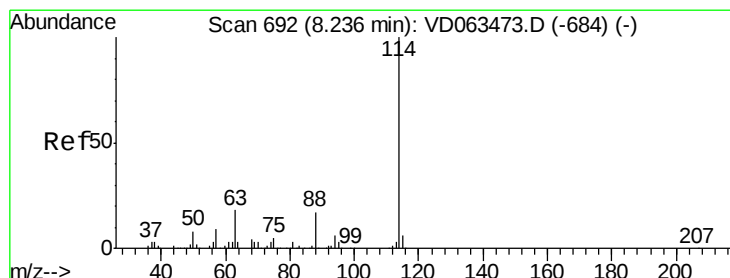
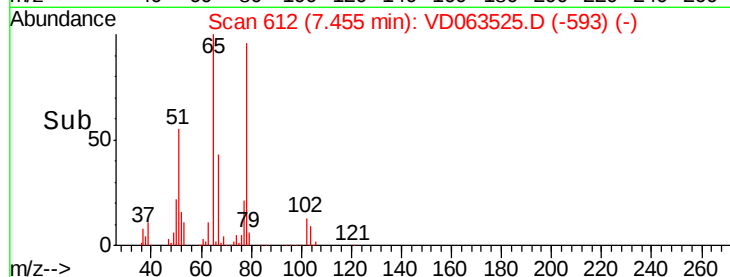
7.40

7.45

7.50

7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

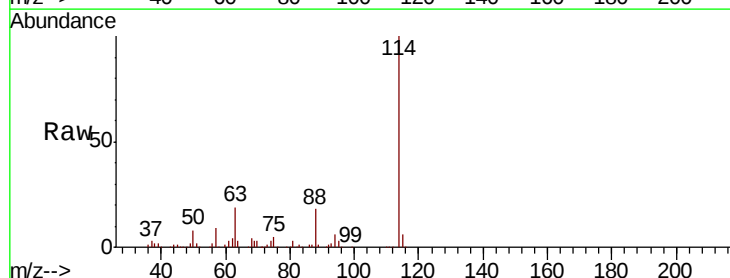
Tgt Ion: 114 Resp: 1654076

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.2

88 18.1 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

600000

400000

200000

0

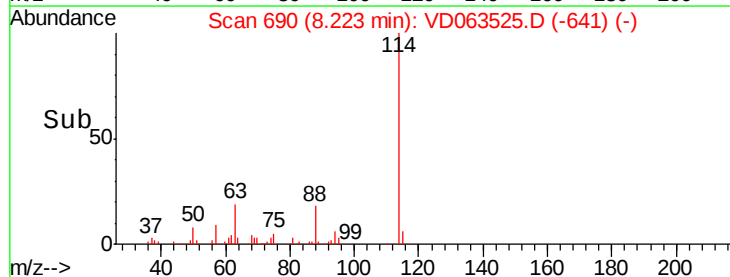
8.10

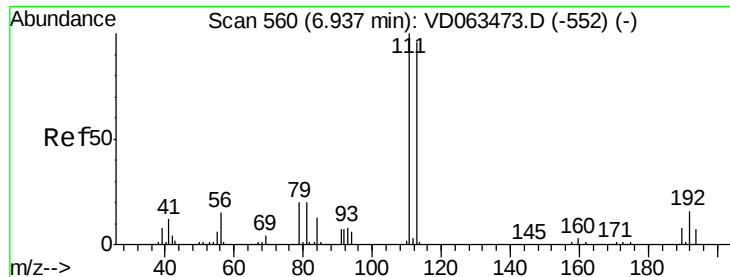
8.20

8.30

8.40

Time-->





#35

Dibromofluoromethane

Concen: 50.100 ug/l

RT: 6.92 min Scan# 558

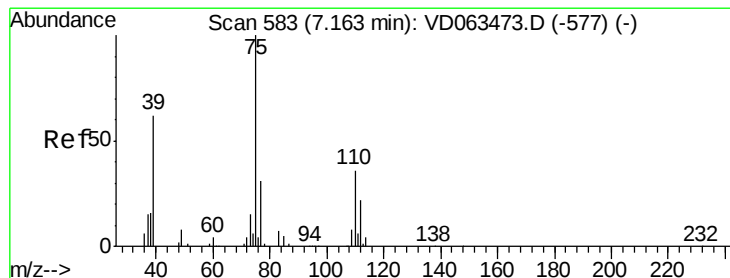
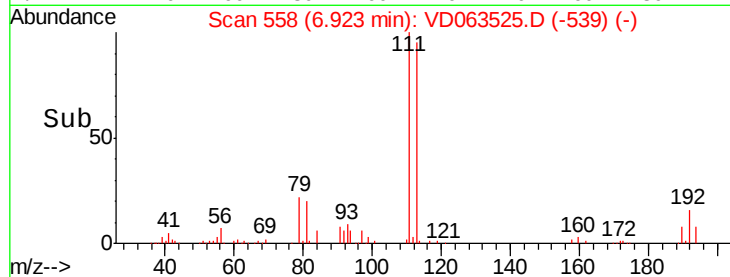
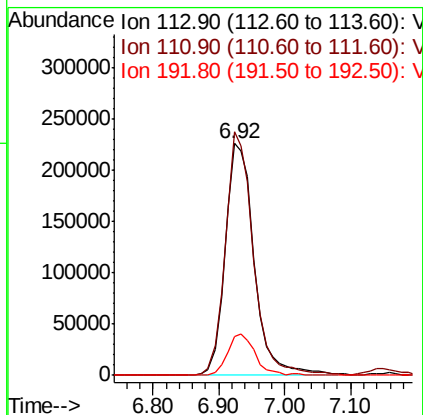
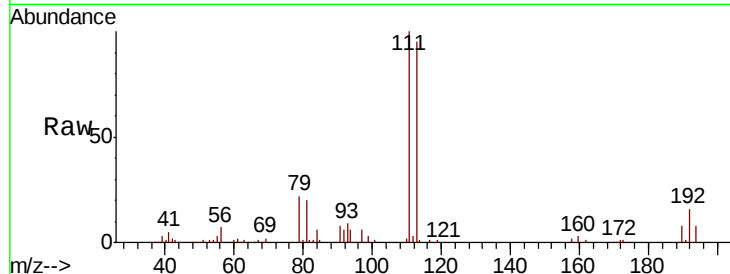
Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	113	Resp:	697927
Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.1	124.7
192	16.6	13.1	19.7



#36

1,1-Dichloropropene

Concen: 20.874 ug/l

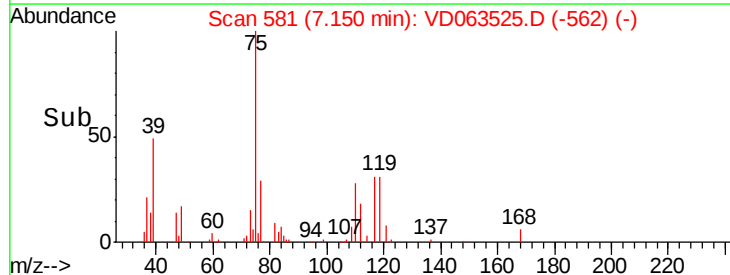
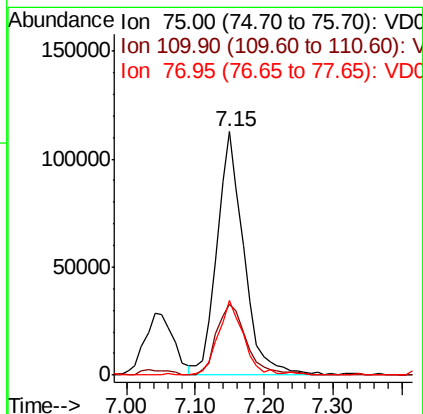
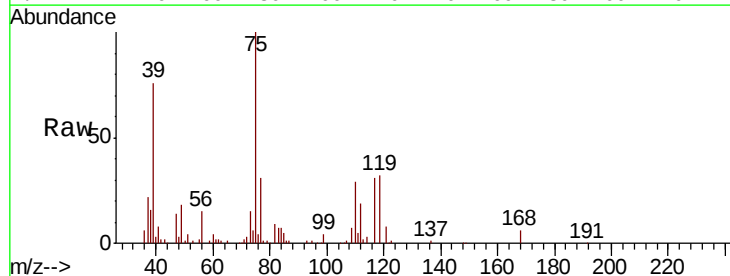
RT: 7.15 min Scan# 581

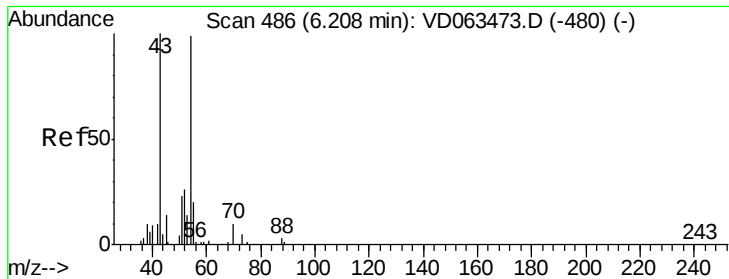
Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Tgt Ion:	75	Resp:	305224
Ion	Ratio	Lower	Upper
75	100		
110	29.1	17.6	52.8
77	30.5	24.3	36.5

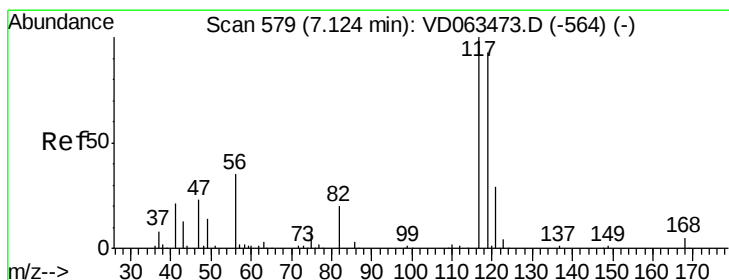
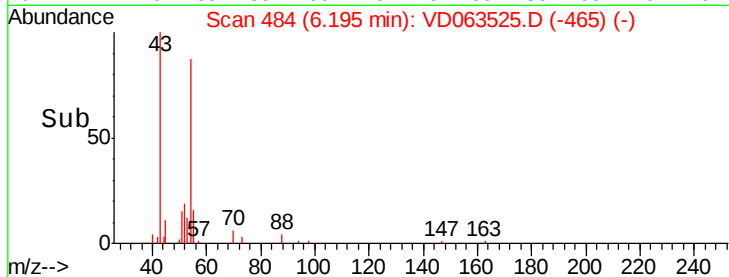
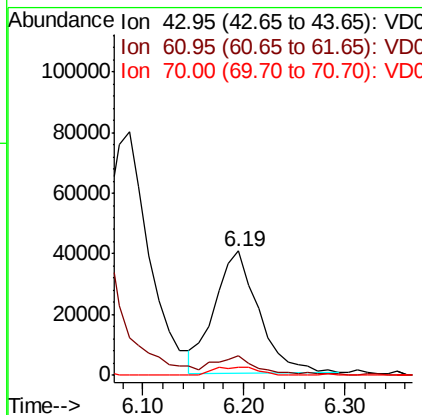
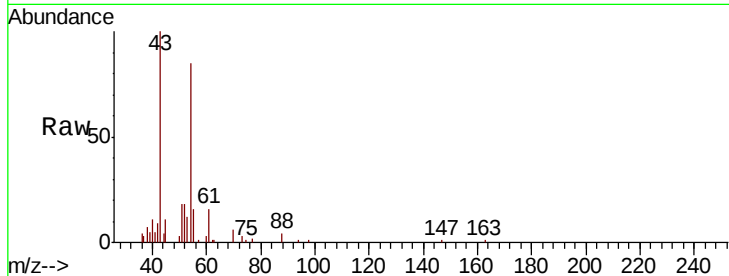




#37
Ethyl Acetate
Concen: 20.128 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

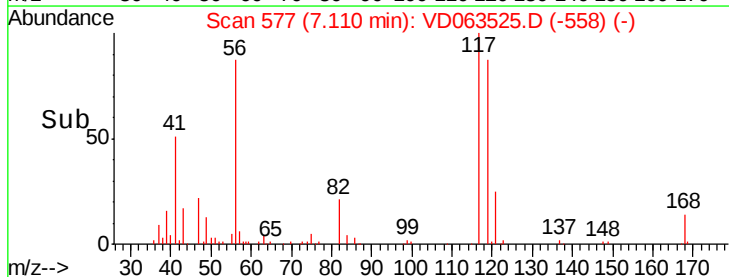
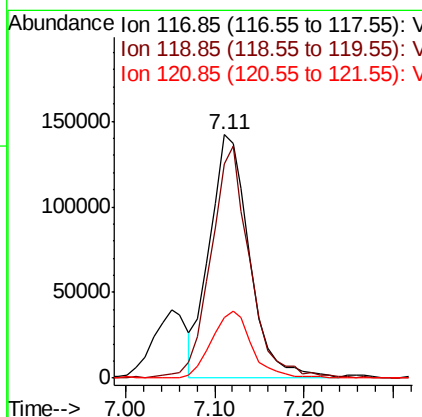
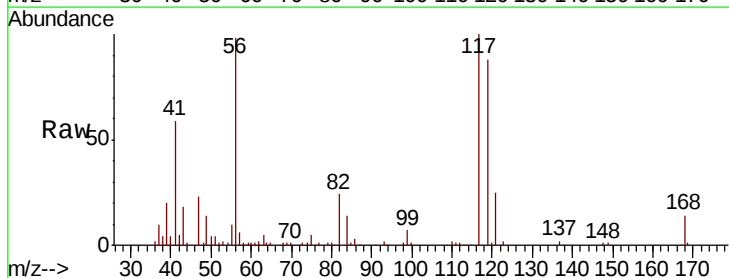
Instrument :
MSVOA_D
ClientSampled :

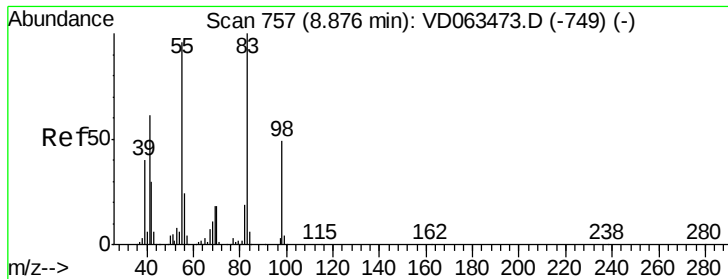
Tot Ion: 43 Resp: 123328
Ion Ratio Lower Upper
43 100
61 16.0 9.0 13.6#
70 6.2 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 20.065 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion: 117 Resp: 442193
Ion Ratio Lower Upper
117 100
119 88.0 74.2 111.2
121 24.8 23.1 34.7





#39

Methvlcvclohexane

Concen: 19.993 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

ClientSampled :

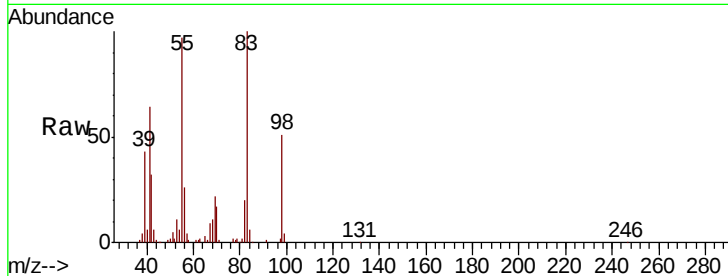
Tot Ion: 83 Resp: 248591

Ion Ratio Lower Upper

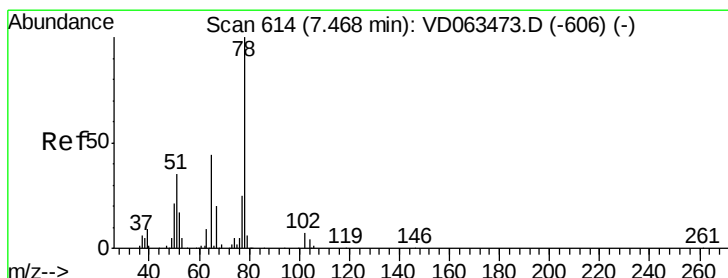
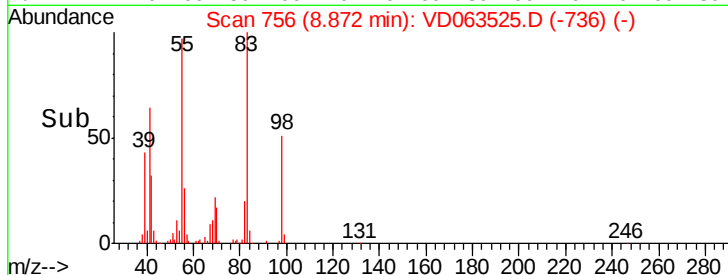
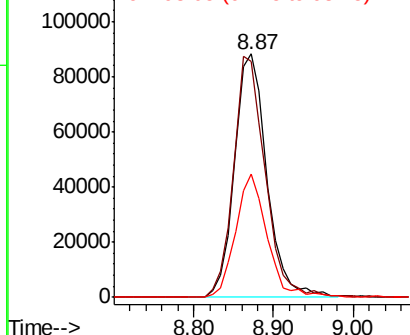
83 100

55 96.9 76.6 114.8

98 50.8 39.4 59.0



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: 20.662 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063525.D

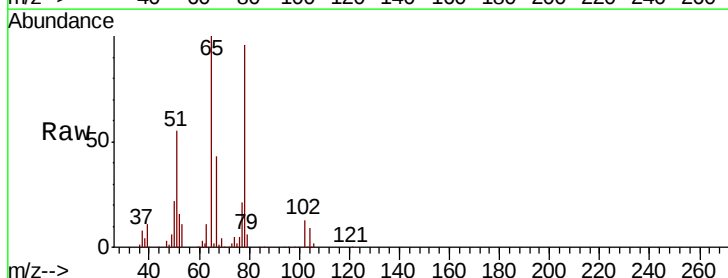
Acq: 13 Aug 2019 14:20

Tgt Ion: 78 Resp: 664871

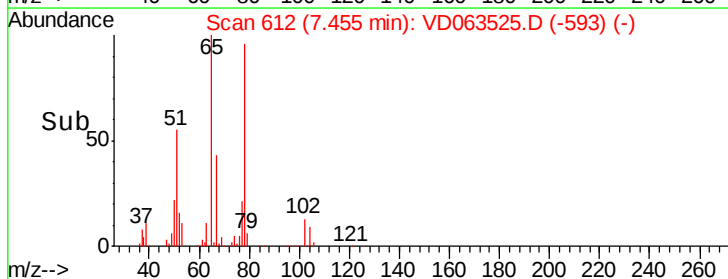
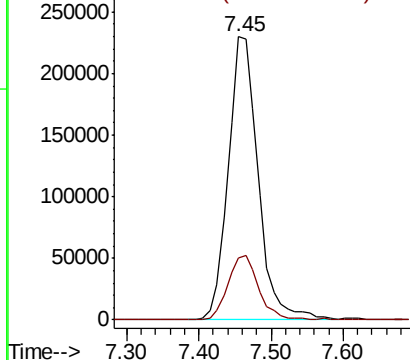
Ion Ratio Lower Upper

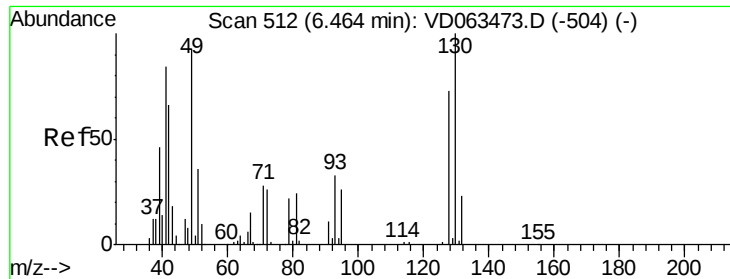
78 100

77 21.9 20.1 30.1



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

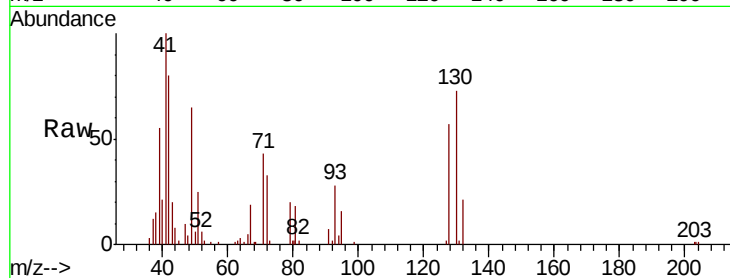




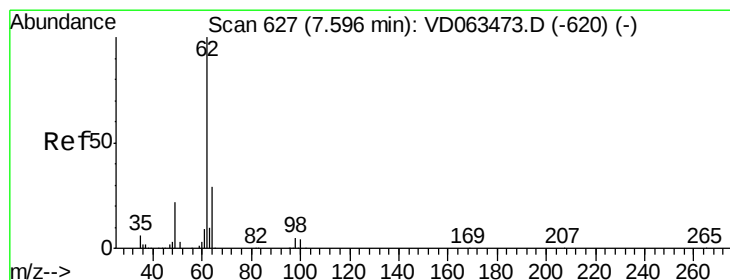
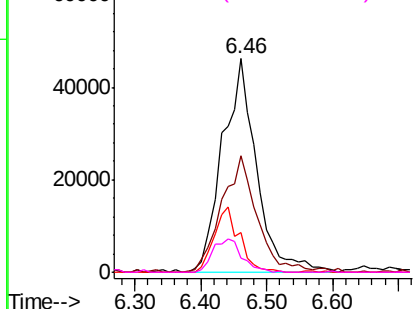
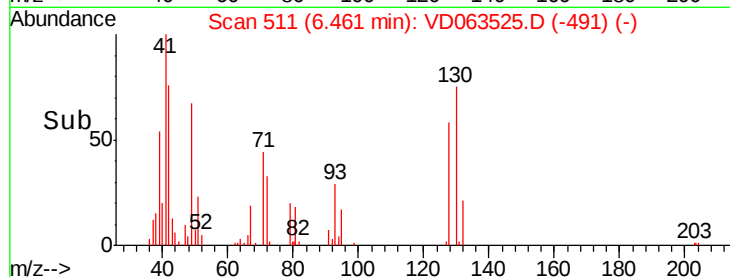
#41
Methacrylonitrile
Concen: 21.612 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 166733
Ion Ratio Lower Upper
41 100
39 54.7 44.6 66.8
67 18.5 14.4 21.6
52 6.4 9.3 13.9#

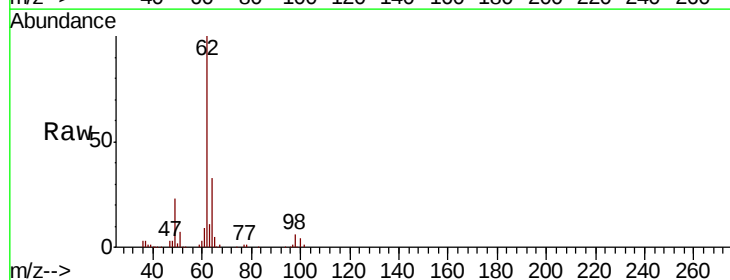


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

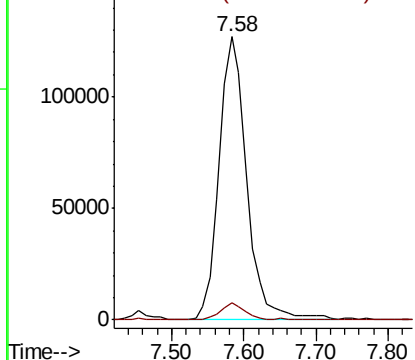
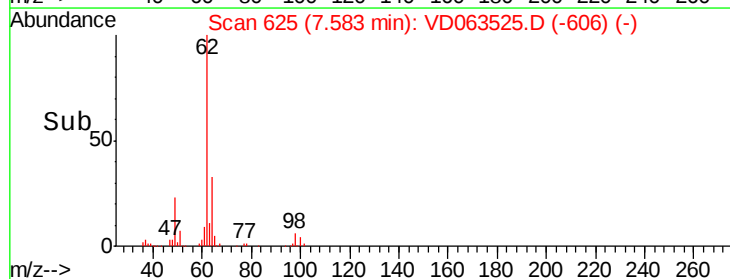


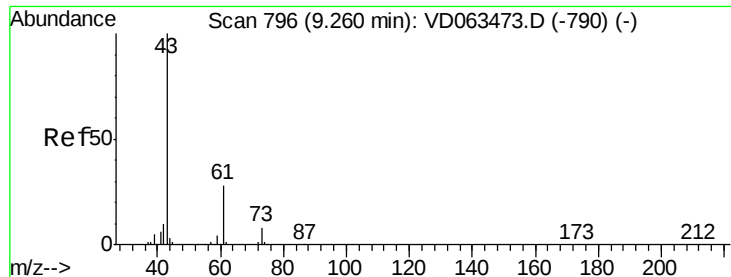
#42
1,2-Dichloroethane
Concen: 20.807 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion: 62 Resp: 336657
Ion Ratio Lower Upper
62 100
98 6.0 0.0 10.4



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





#43

Isopropyl Acetate

Concen: 22.938 ug/l

RT: 9.25 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

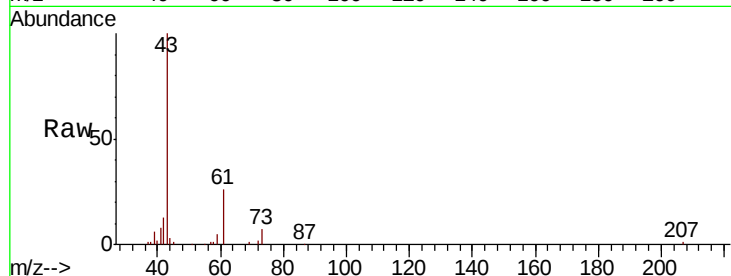
Tot Ion: 43 Resp: 188238

Ion Ratio Lower Upper

43 100

61 26.1 22.2 33.2

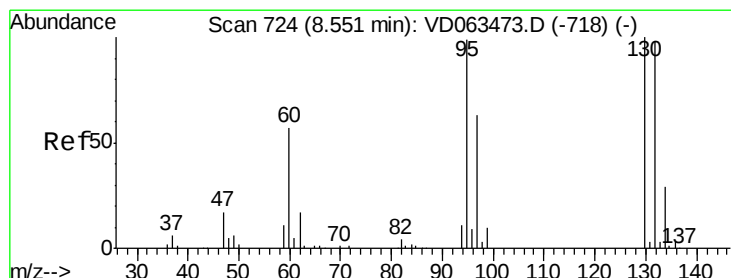
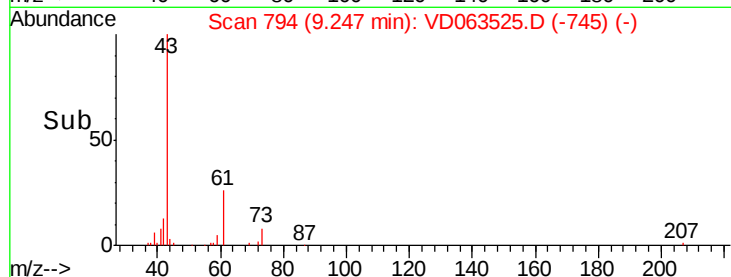
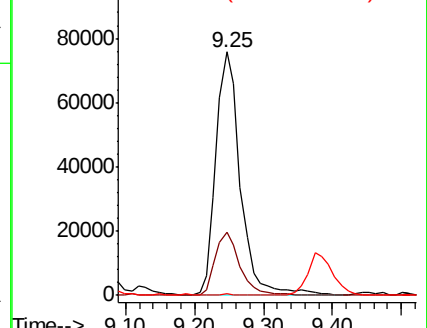
87 0.5 0.2 0.4#



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: 19.565 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063525.D

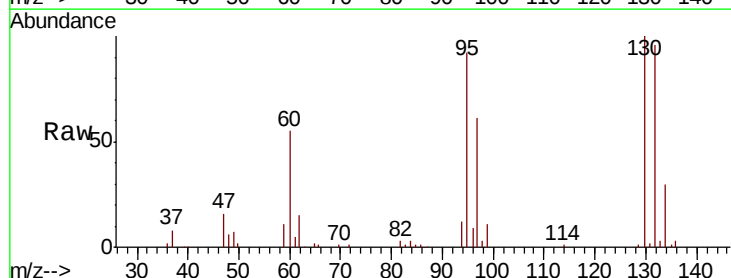
Acq: 13 Aug 2019 14:20

Tgt Ion: 130 Resp: 240644

Ion Ratio Lower Upper

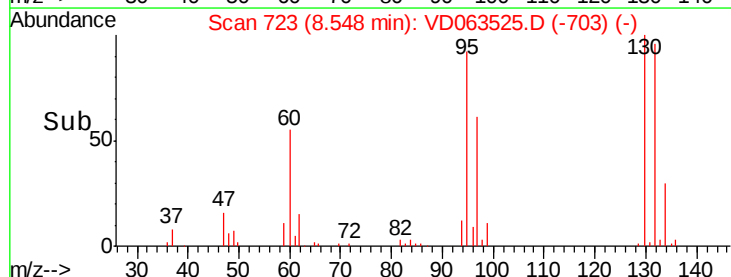
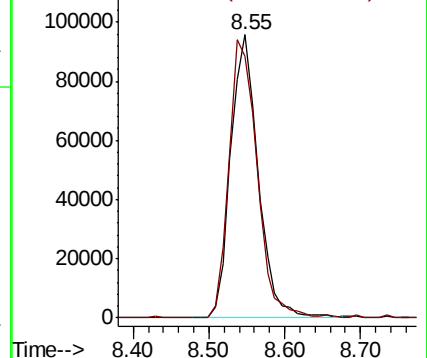
130 100

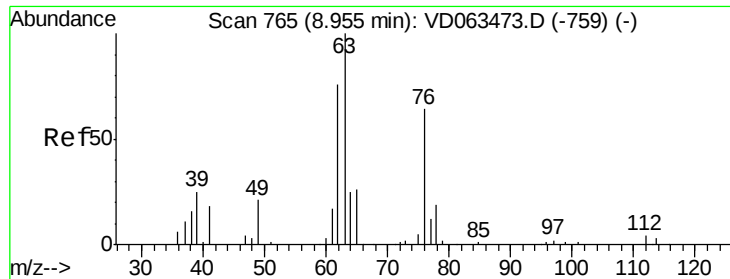
95 92.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.930 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

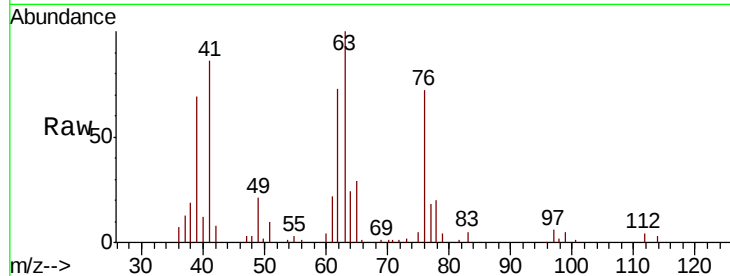
ClientSampleId :

Tot Ion: 63 Resp: 164336

Ion Ratio Lower Upper

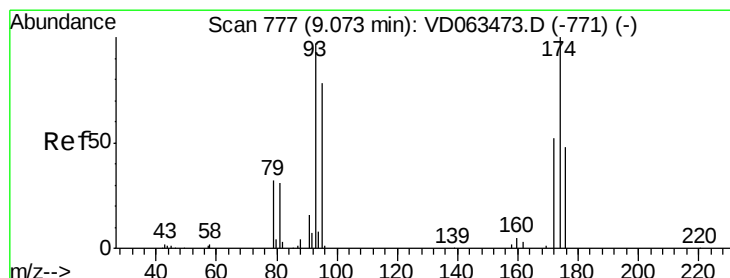
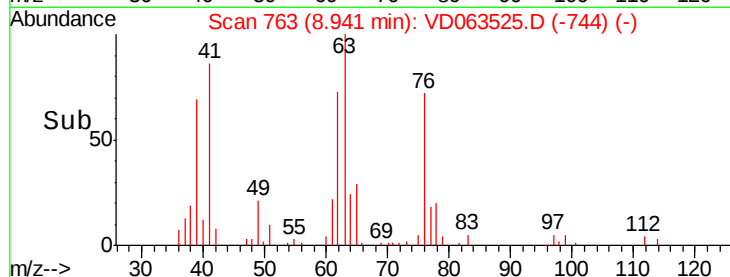
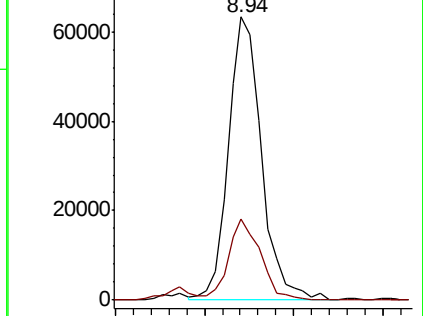
63 100

65 28.7 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.898 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

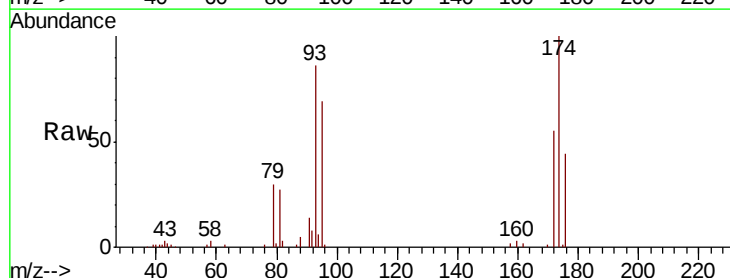
Tgt Ion: 93 Resp: 140138

Ion Ratio Lower Upper

93 100

95 79.4 64.2 96.2

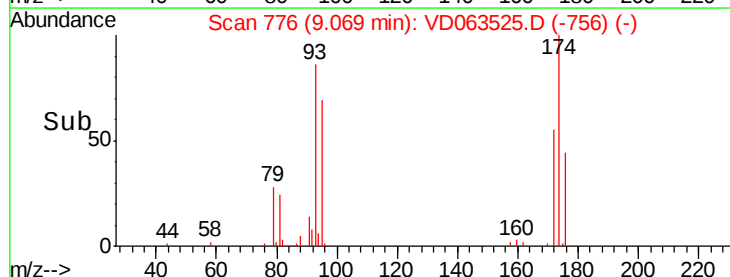
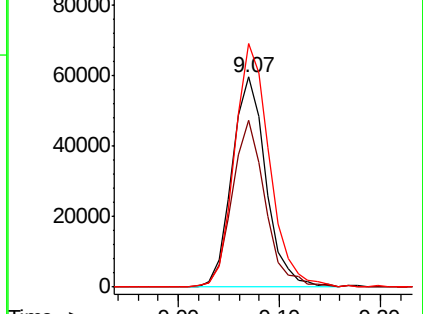
174 115.9 82.1 123.1

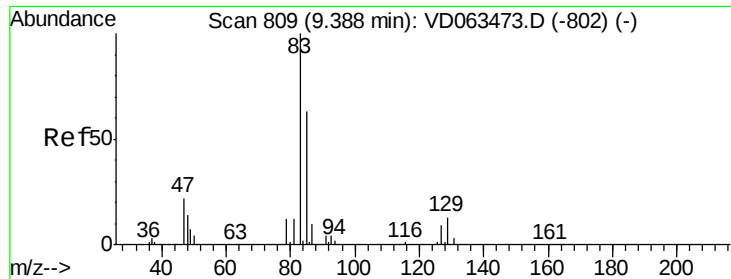


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.515 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

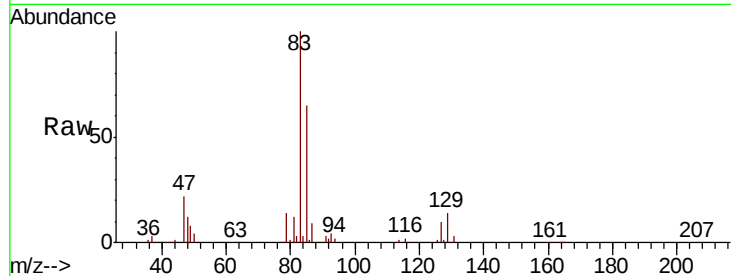
Tot Ion: 83 Resp: 336753

Ion Ratio Lower Upper

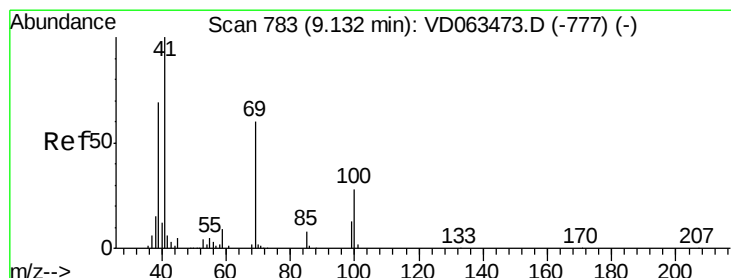
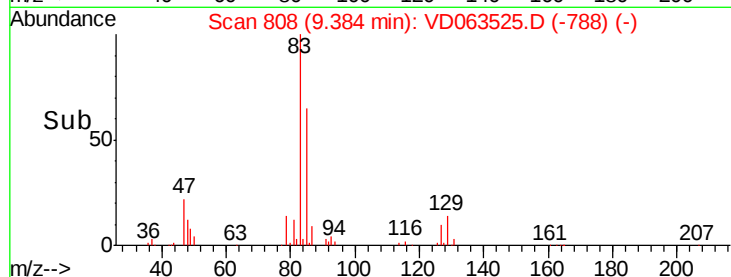
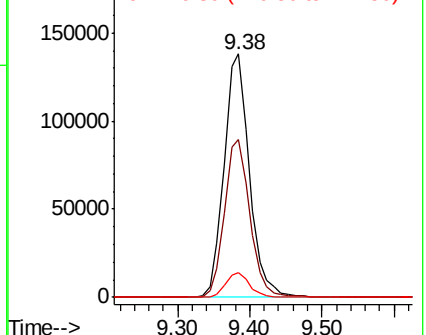
83 100

85 64.7 50.1 75.1

127 10.3 7.6 11.4



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: 21.530 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

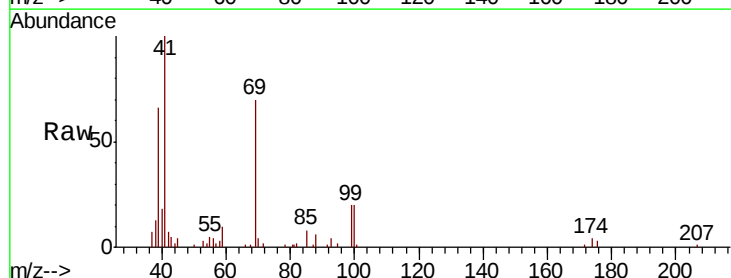
Tgt Ion: 41 Resp: 119820

Ion Ratio Lower Upper

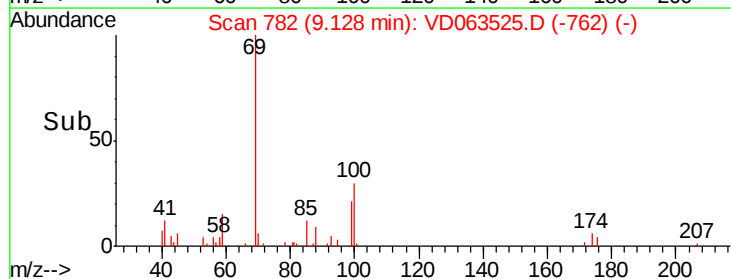
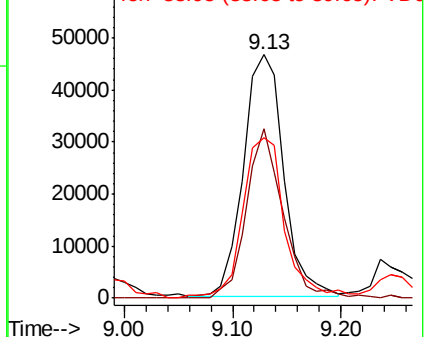
41 100

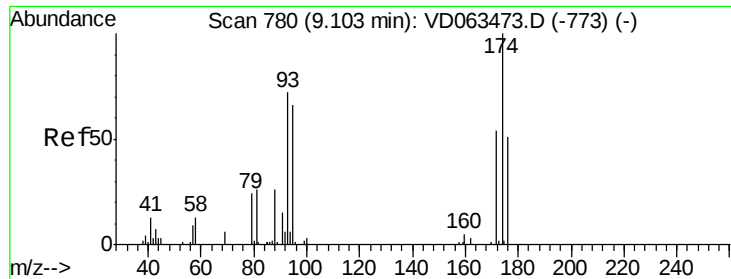
69 69.7 47.6 71.4

39 65.8 55.7 83.5



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: 425.557 ug/l

RT: 9.08 min Scan# 777

Delta R.T. -0.02 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :

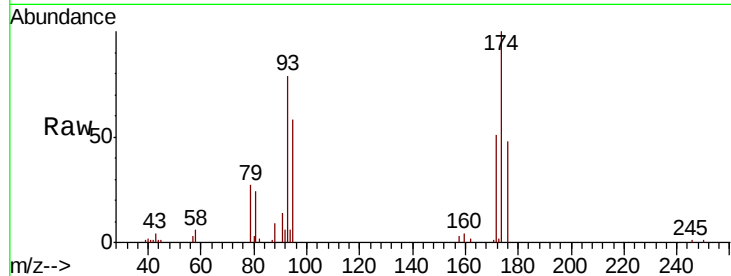
Tot Ion: 88 Resp: 20425

Ion Ratio Lower Upper

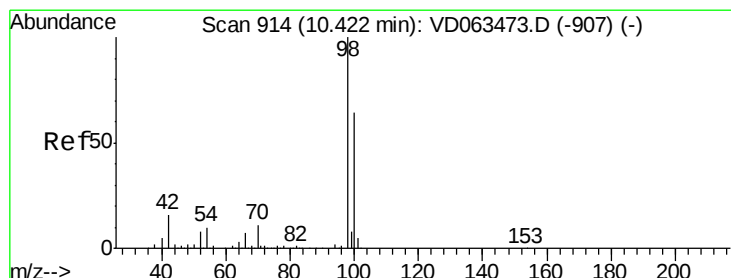
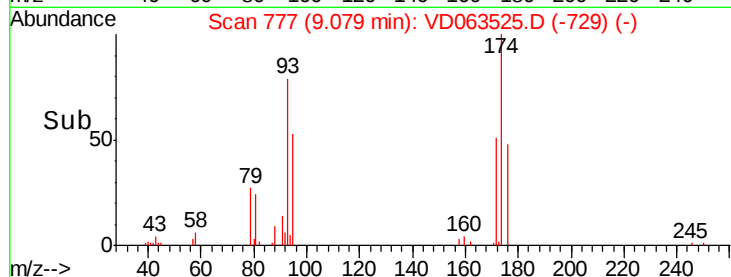
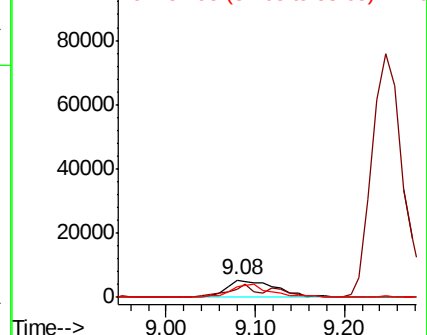
88 100

43 58.7 22.9 34.3#

58 65.5 40.1 60.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 49.975 ug/l

RT: 10.42 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD063525.D

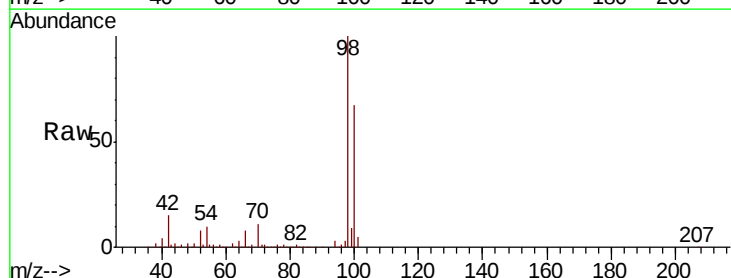
Acq: 13 Aug 2019 14:20

Tgt Ion: 98 Resp: 1530613

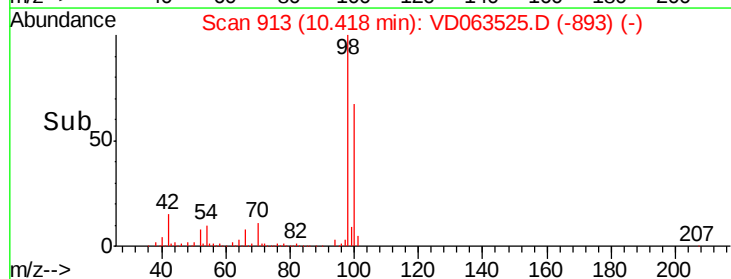
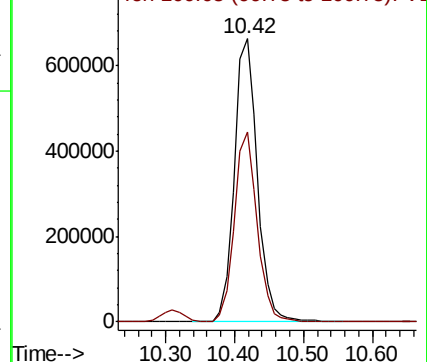
Ion Ratio Lower Upper

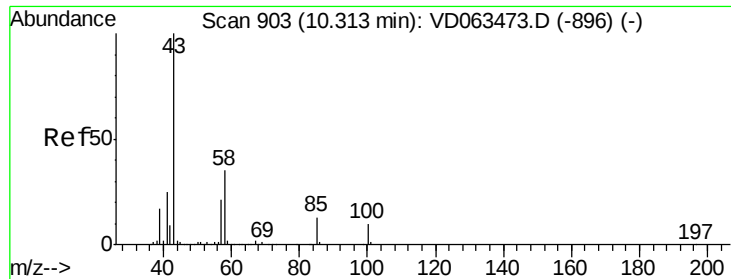
98 100

100 67.2 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 110.861 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

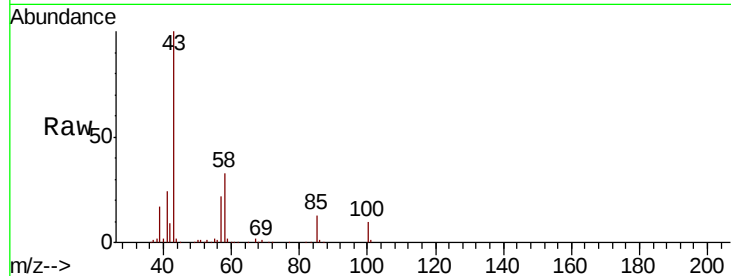
ClientSampleId :

Tot Ion: 43 Resp: 622528

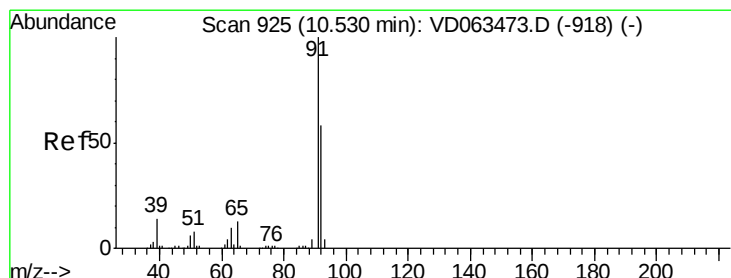
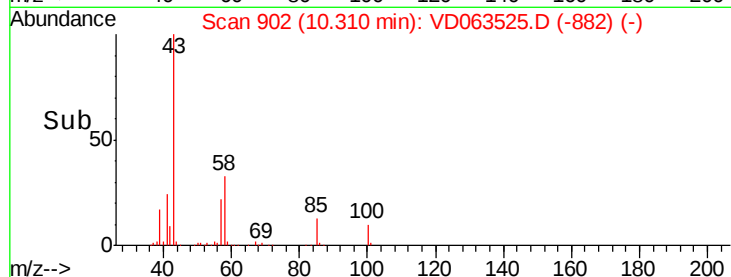
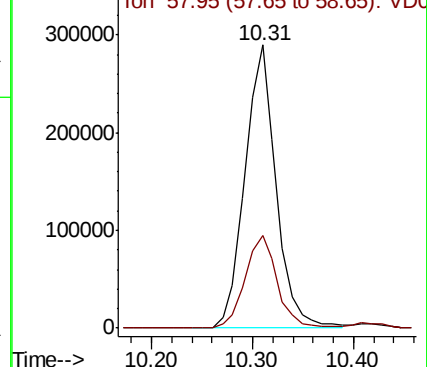
Ion Ratio Lower Upper

43 100

58 32.6 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC



#52

Toluene

Concen: 20.371 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD063525.D

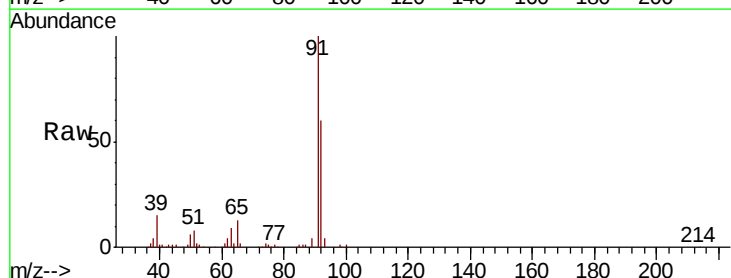
Acq: 13 Aug 2019 14:20

Tgt Ion: 92 Resp: 422222

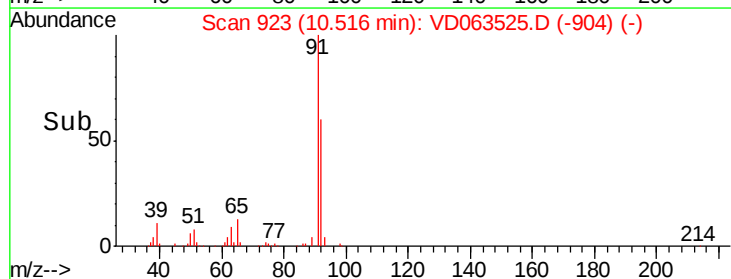
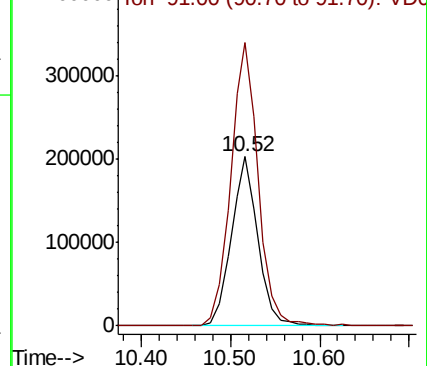
Ion Ratio Lower Upper

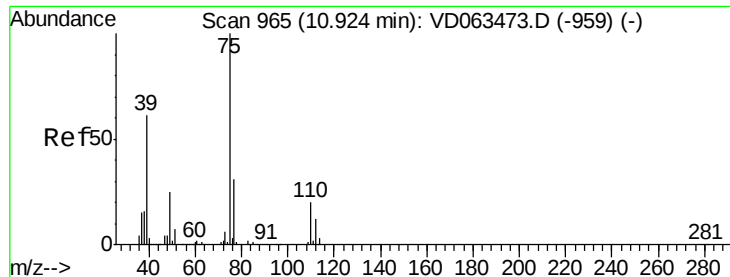
92 100

91 167.3 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.813 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

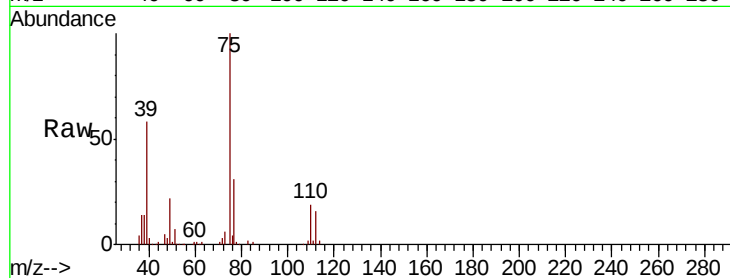
ClientSampleId :

Tot Ion: 75 Resp: 278825

Ion Ratio Lower Upper

75 100

77 30.5 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

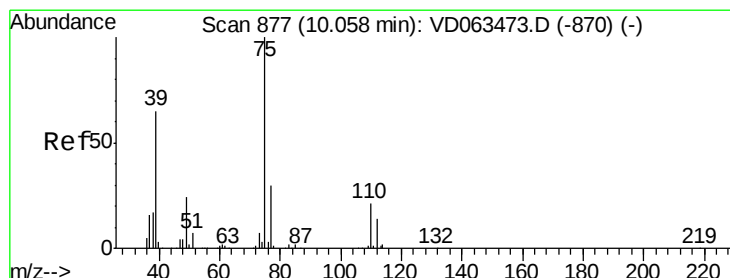
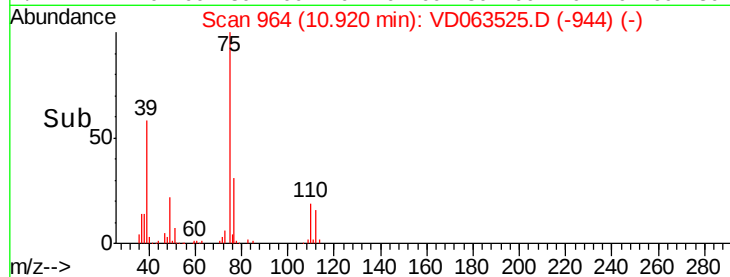
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 20.679 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

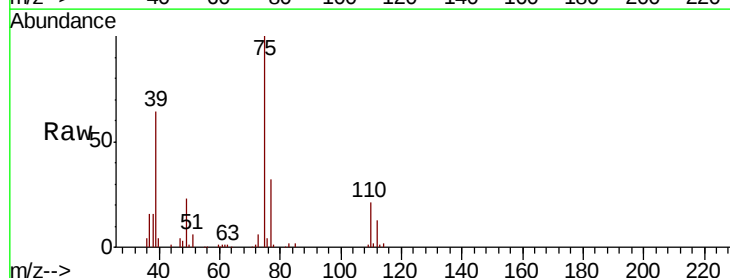
Tgt Ion: 75 Resp: 312370

Ion Ratio Lower Upper

75 100

77 31.5 23.7 35.5

39 63.8 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

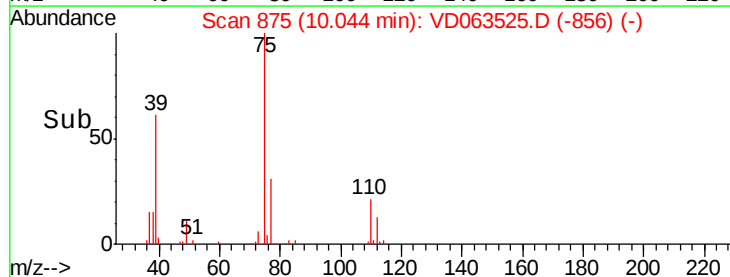
150000

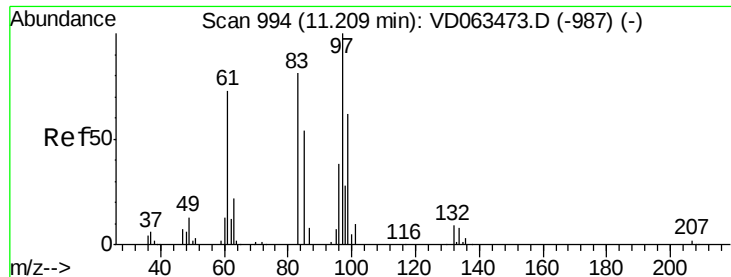
100000

50000

0

Time--> 9.90 10.00 10.10 10.20

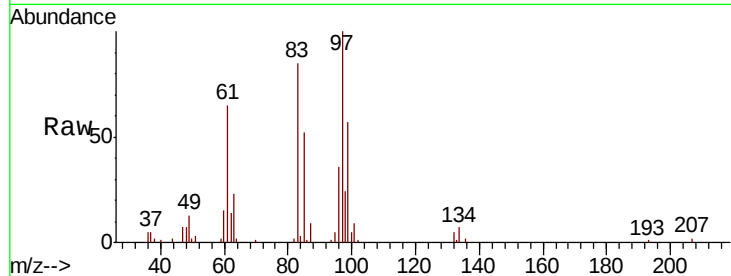




#55
 1,1,2-Trichloroethane
 Concen: 20.409 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	142886
Ion	Ratio	Lower	Upper
97	100		
83	85.4	64.7	97.1
85	51.9	42.9	64.3
99	57.3	49.7	74.5



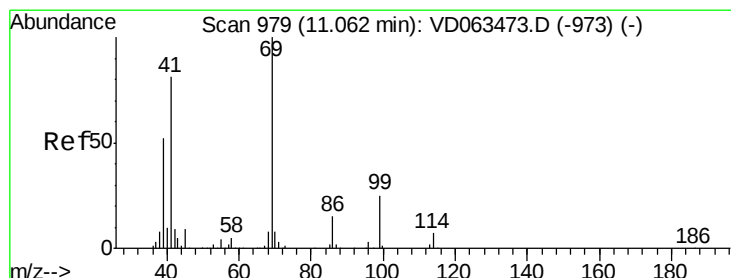
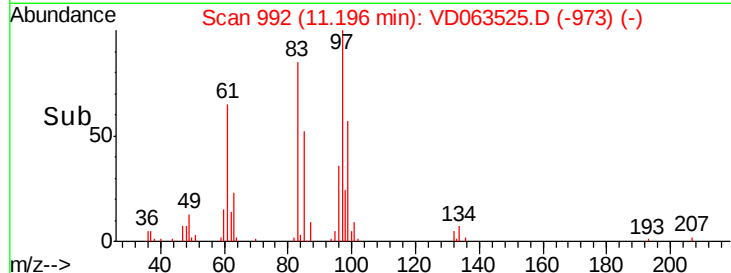
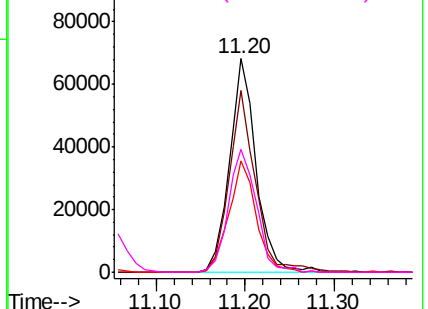
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

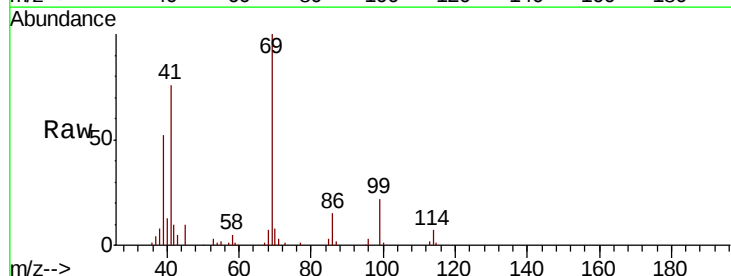
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 19.938 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Tgt Ion:	69	Resp:	151510
Ion	Ratio	Lower	Upper
69	100		
41	76.1	64.8	97.2
39	51.9	42.4	63.6

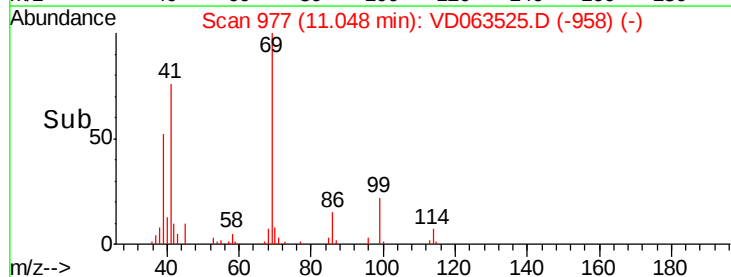
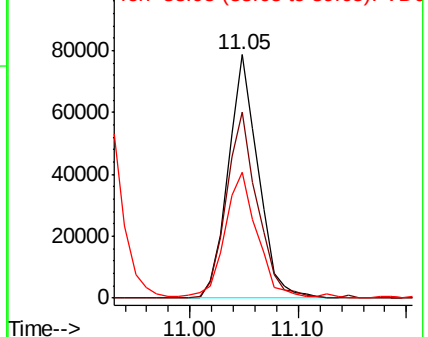


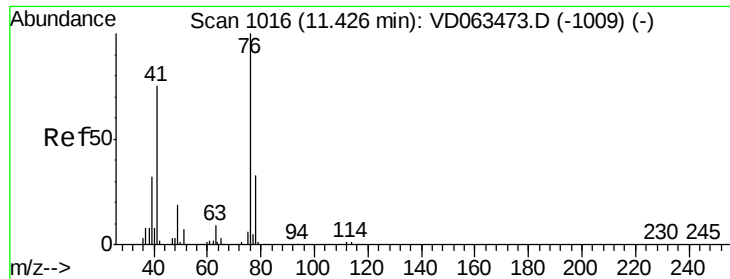
Abundance

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: 22.056 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

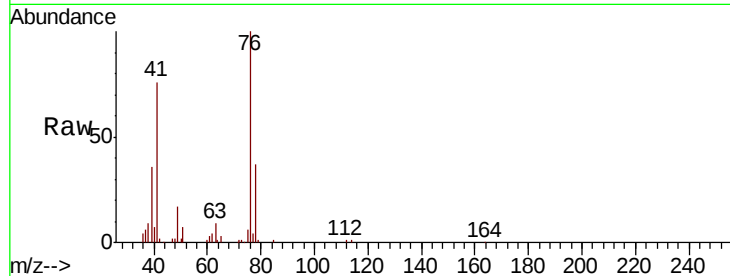
ClientSampleId :

Tot Ion: 76 Resp: 233420

Ion Ratio Lower Upper

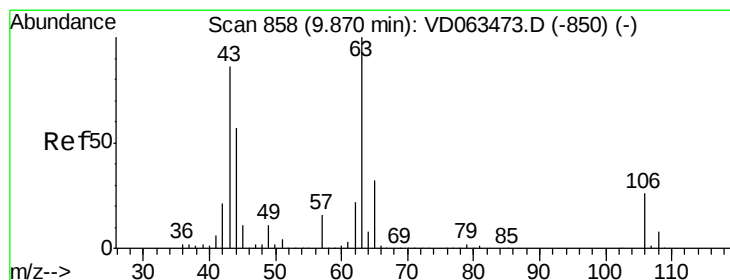
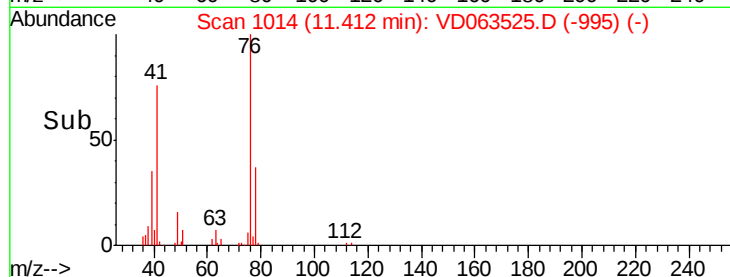
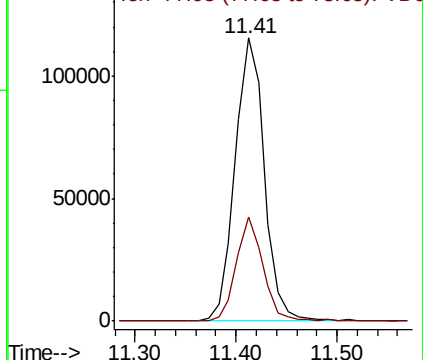
76 100

78 36.8 26.3 39.5



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: 97.661 ug/l

RT: 9.87 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD063525.D

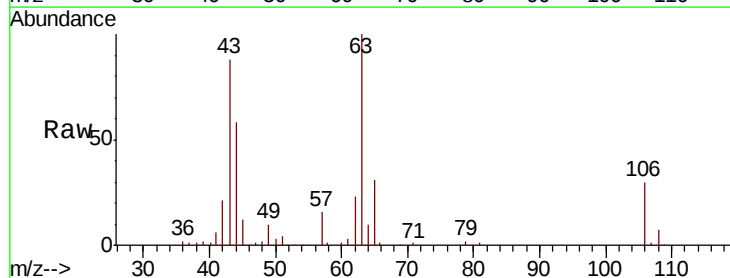
Acq: 13 Aug 2019 14:20

Tgt Ion: 63 Resp: 391799

Ion Ratio Lower Upper

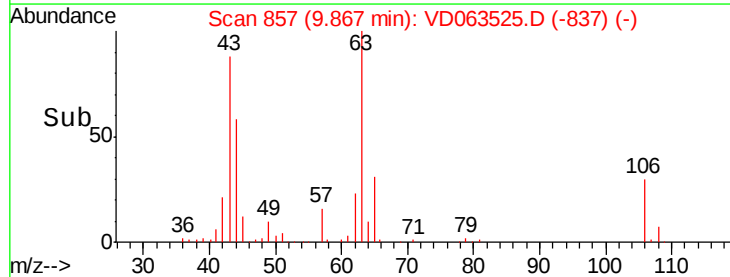
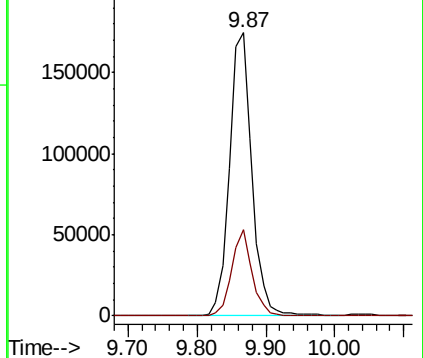
63 100

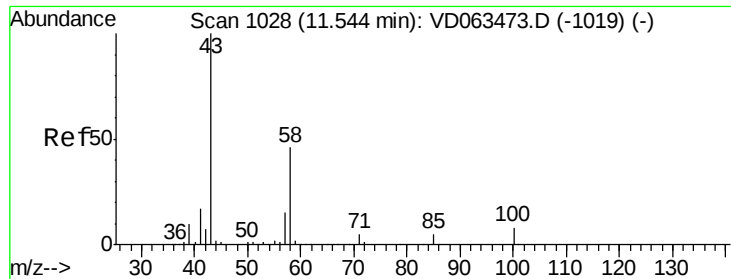
106 30.3 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

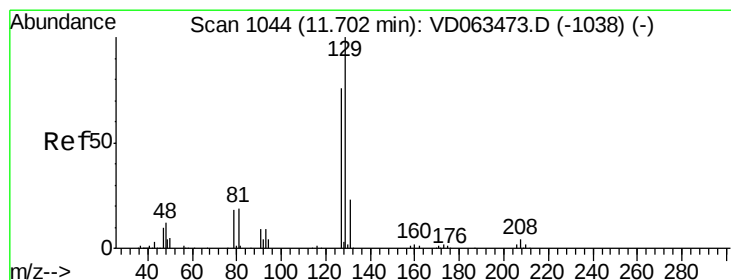
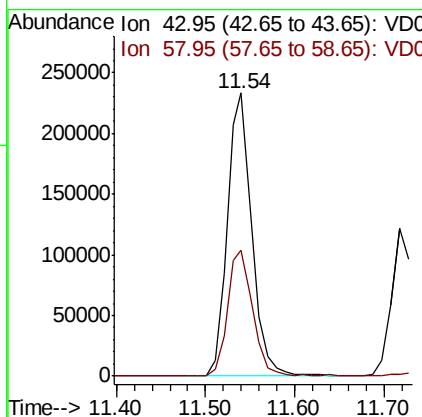
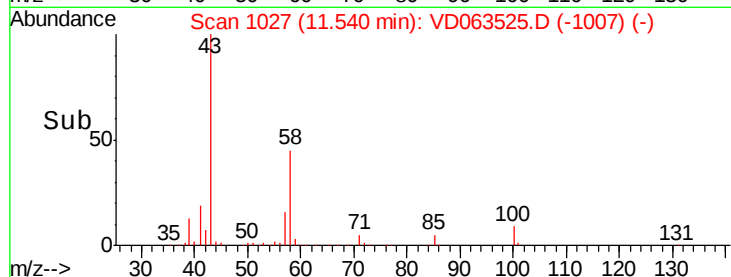
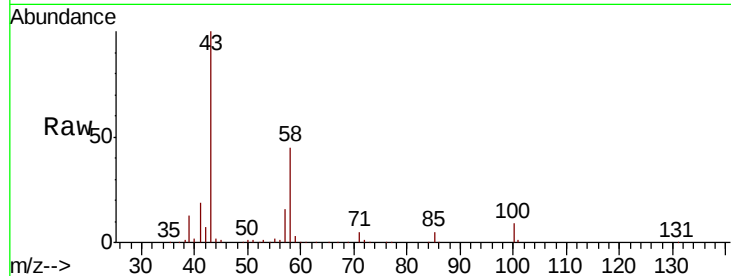




#59
2-Hexanone
Concen: 110.678 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

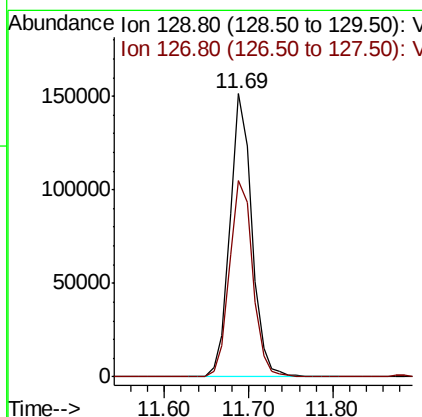
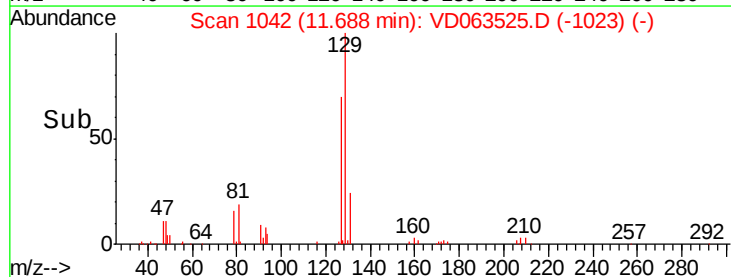
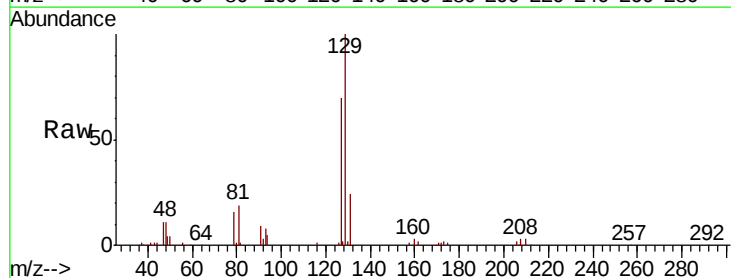
Instrument :
MSVOA_D
ClientSampleId :

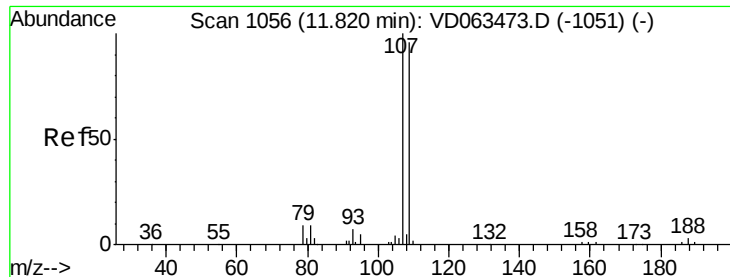
Tot Ion: 43 Resp: 452219
Ion Ratio Lower Upper
43 100
58 44.5 23.1 69.2



#60
Dibromochloromethane
Concen: 21.631 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion: 129 Resp: 275577
Ion Ratio Lower Upper
129 100
127 69.6 37.8 113.4

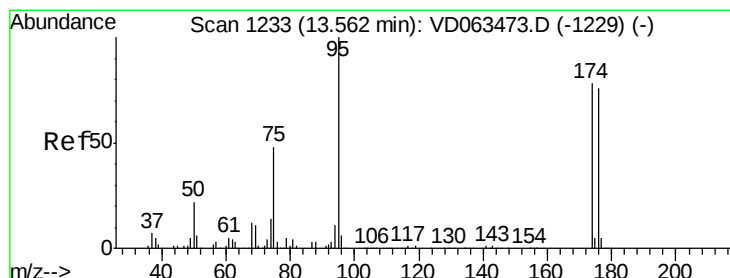
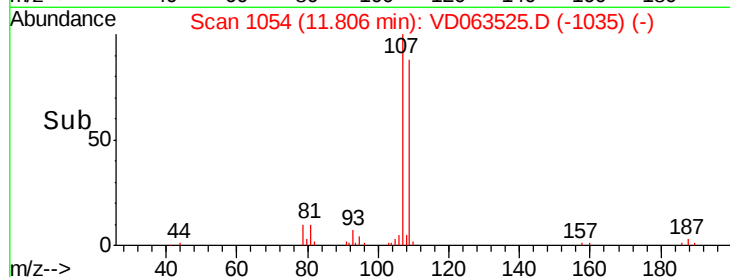
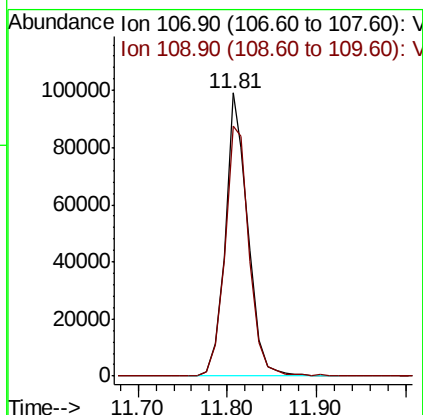
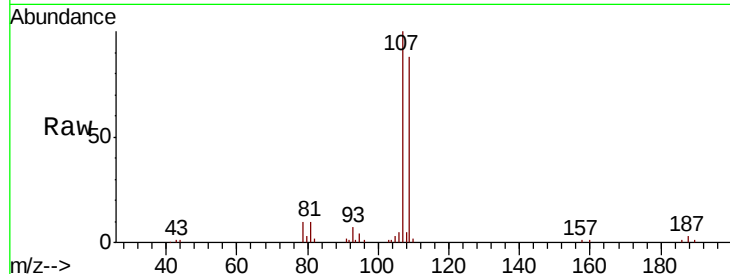




#61
 1,2-Dibromoethane
 Concen: 20.737 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

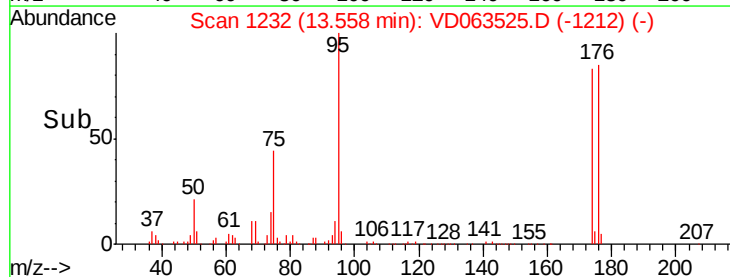
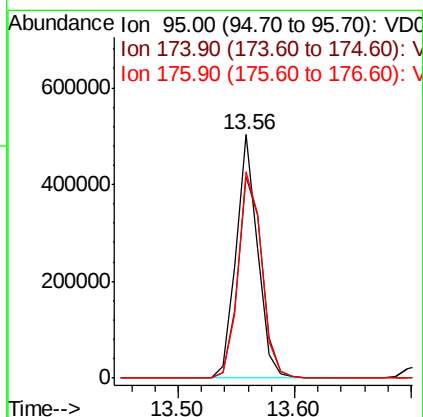
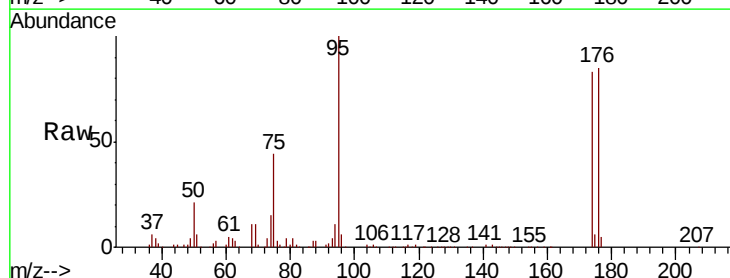
Instrument :
 MSVOA_D
 ClientSampleId :

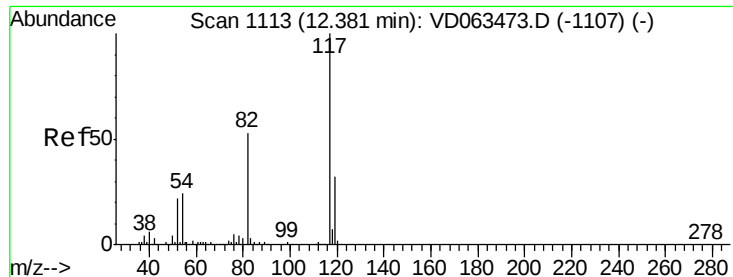
Tot Ion: 107 Resp: 175757
 Ion Ratio Lower Upper
 107 100
 109 88.4 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 46.329 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Tgt Ion: 95 Resp: 643122
 Ion Ratio Lower Upper
 95 100
 174 82.6 0.0 155.4
 176 84.8 0.0 152.4

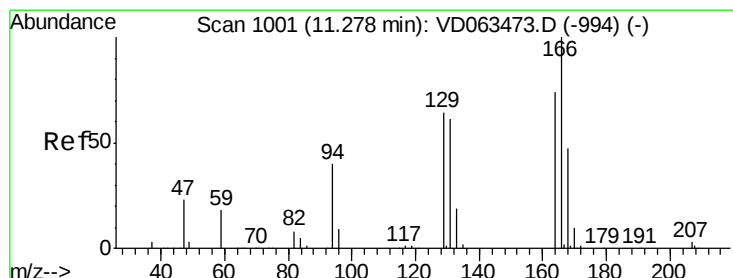
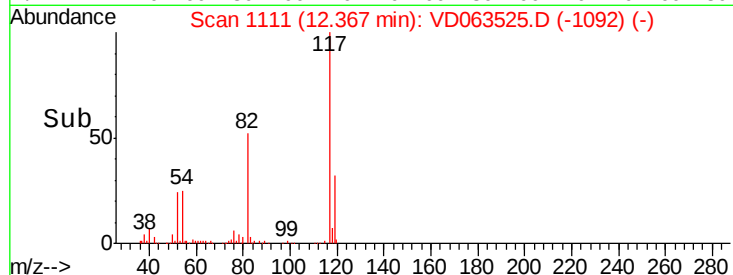
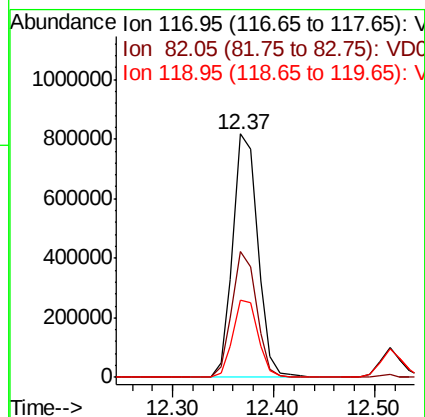
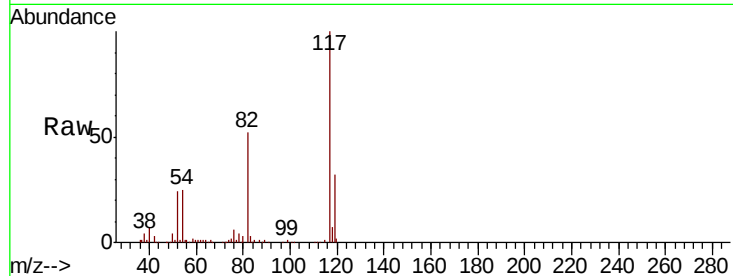




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

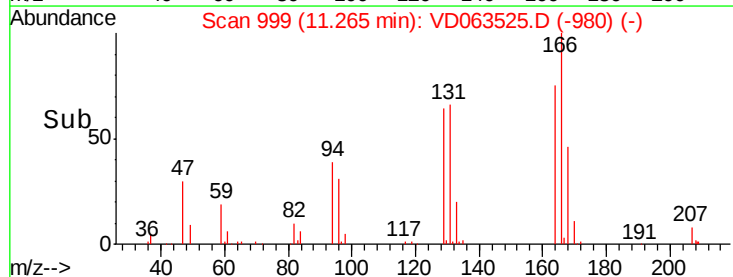
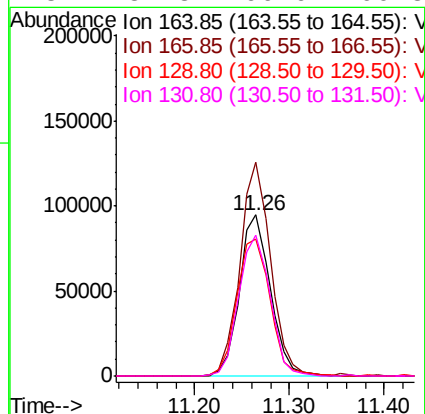
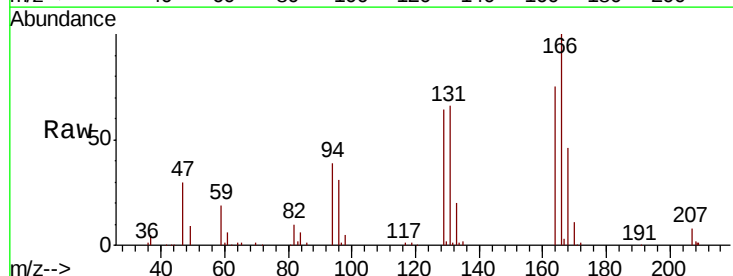
Instrument :
MSVOA_D
ClientSampled :

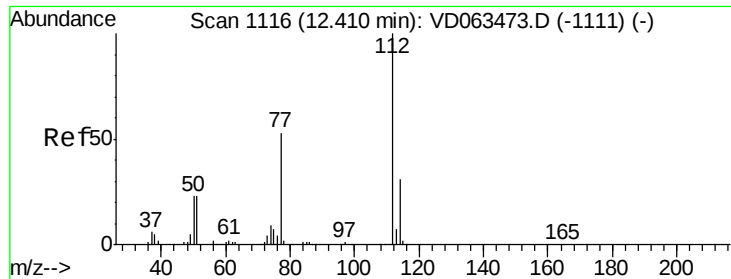
Tot Ion:117 Resp: 1410894
Ion Ratio Lower Upper
117 100
82 51.8 42.0 63.0
119 32.0 25.4 38.0



#64
Tetrachloroethene
Concen: 19.710 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion:164 Resp: 214678
Ion Ratio Lower Upper
164 100
166 132.8 108.6 163.0
129 85.5 69.0 103.6
131 87.3 66.6 99.8

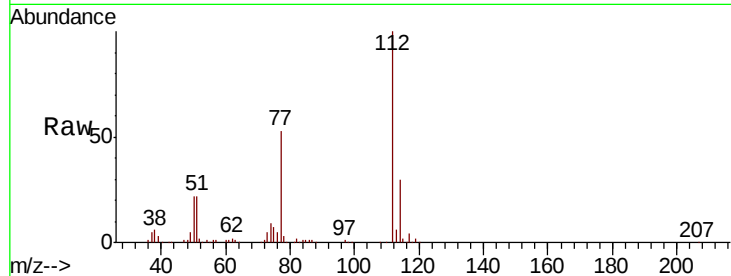




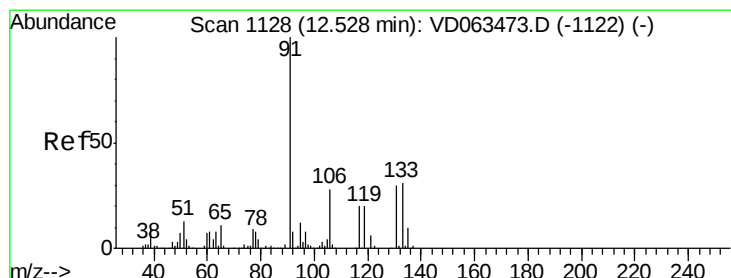
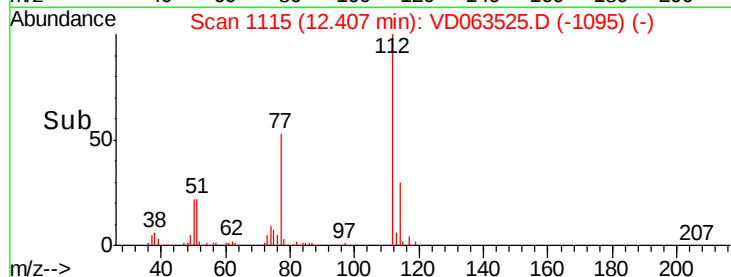
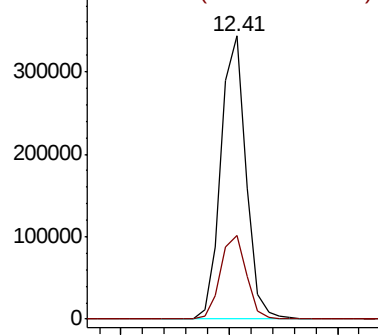
#65
Chlorobenzene
Concen: 20.925 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 553322
Ion Ratio Lower Upper
112 100
114 29.6 25.1 37.7

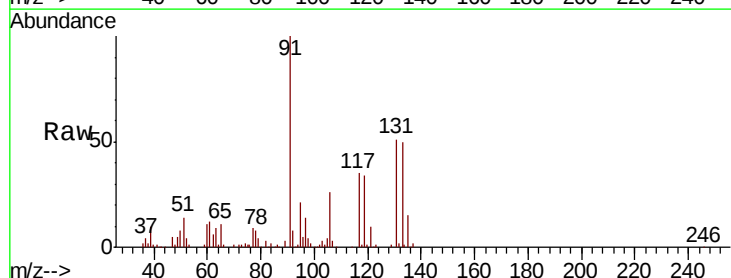


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

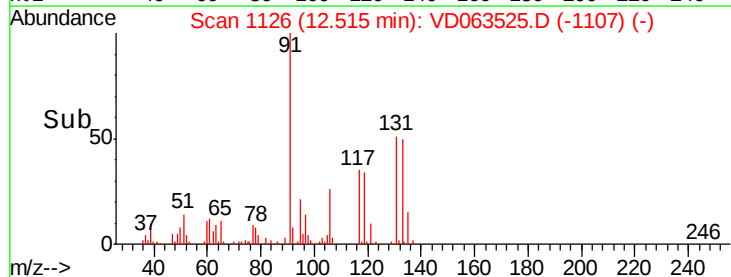
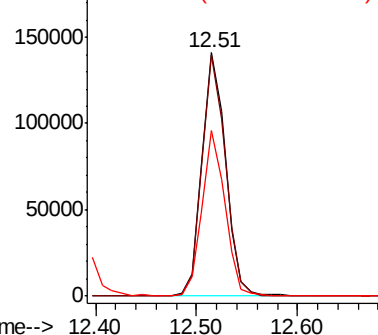


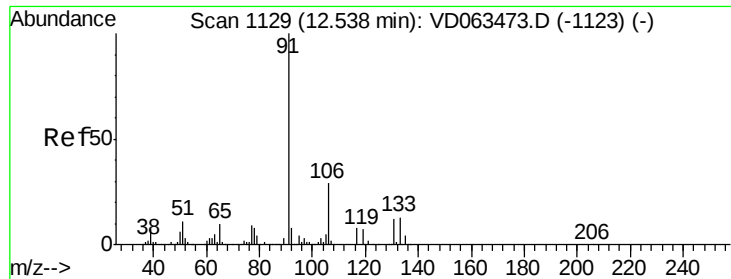
#66
1,1,1,2-Tetrachloroethane
Concen: 19.754 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion:131 Resp: 229894
Ion Ratio Lower Upper
131 100
133 99.0 51.1 153.3
119 68.1 33.1 99.3



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

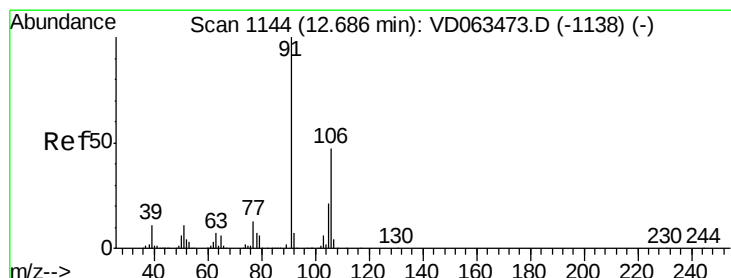
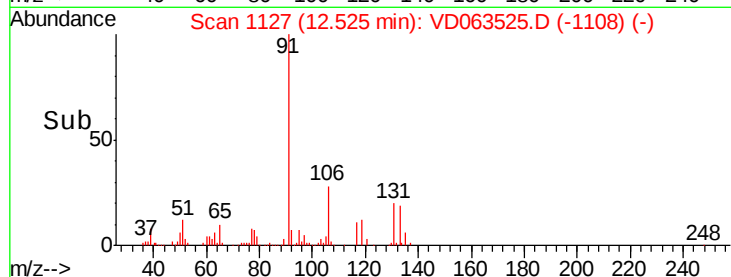
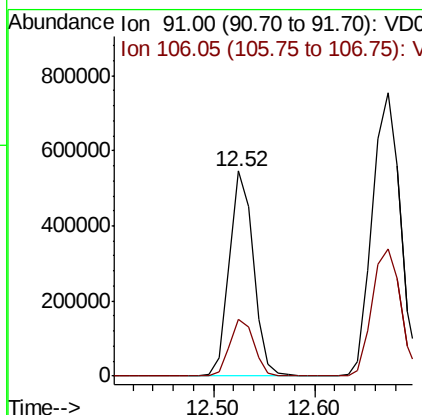
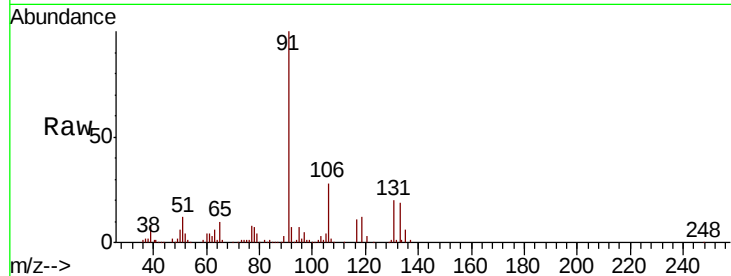




#67
Ethyl Benzene
Concen: 19.622 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

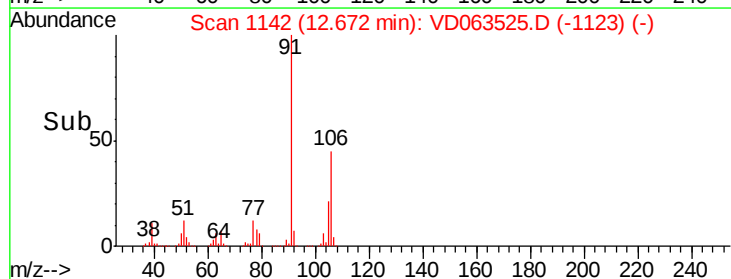
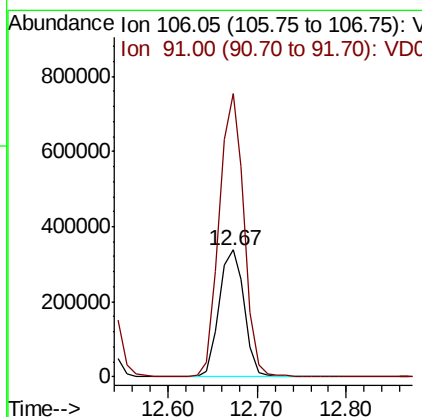
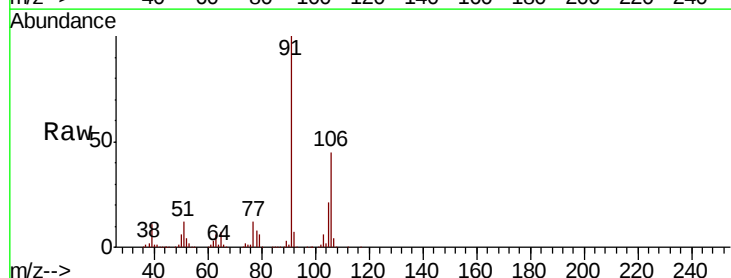
Instrument :
MSVOA_D
ClientSampled :

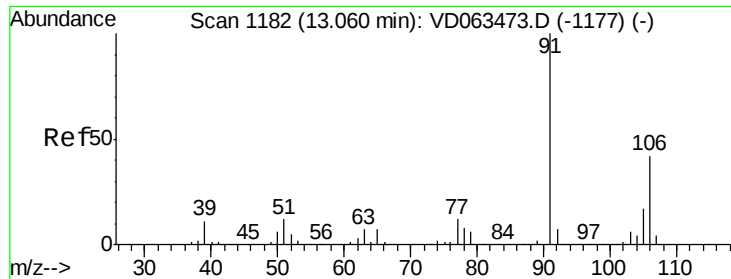
Tot Ion: 91 Resp: 902192
Ion Ratio Lower Upper
91 100
106 27.6 23.1 34.7



#68
m/p-Xylenes
Concen: 41.696 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion: 106 Resp: 673556
Ion Ratio Lower Upper
106 100
91 222.5 171.8 257.8

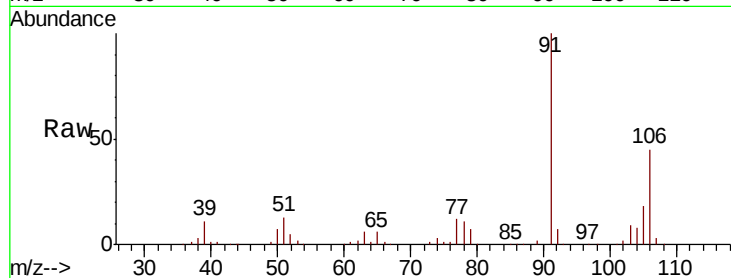




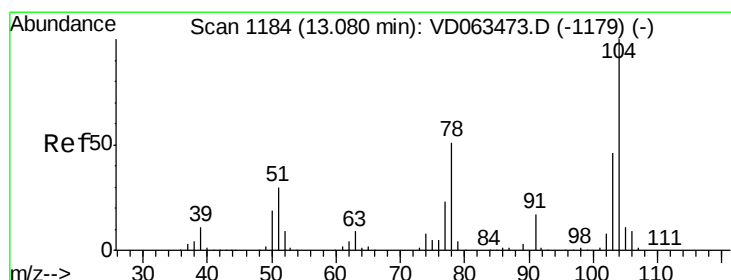
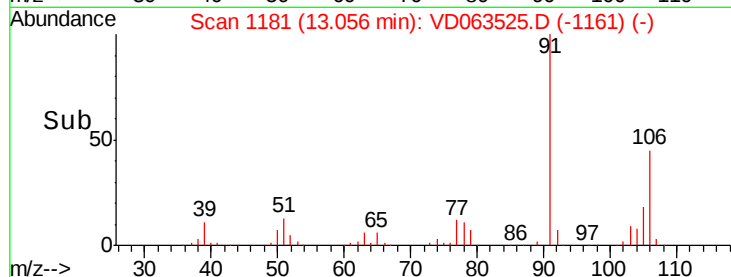
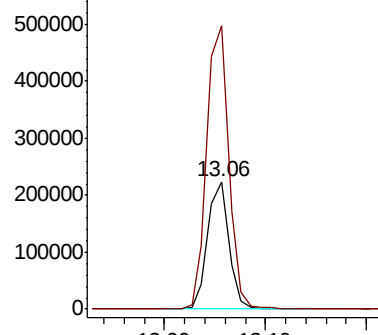
#69
o-Xylene
Concen: 20.995 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 326425
Ion Ratio Lower Upper
106 100
91 222.1 118.1 354.2

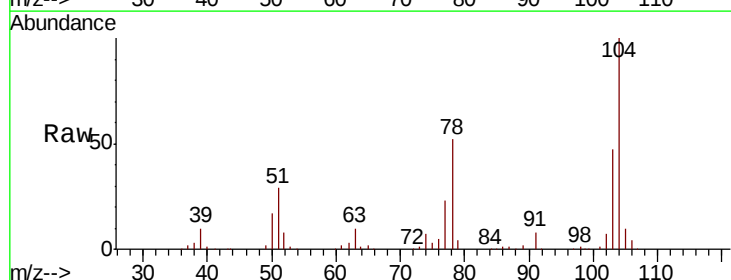


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

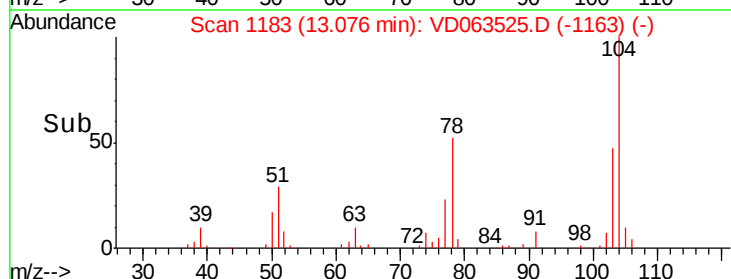
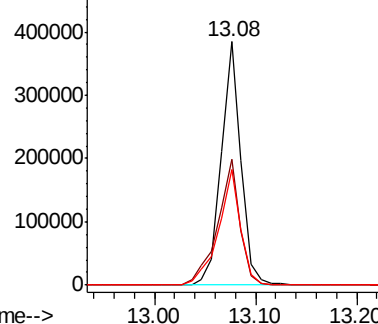


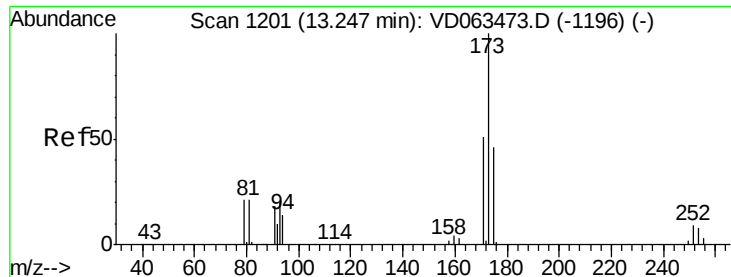
#70
Styrene
Concen: 19.025 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion:104 Resp: 526136
Ion Ratio Lower Upper
104 100
78 51.8 40.8 61.2
103 47.4 36.4 54.6



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

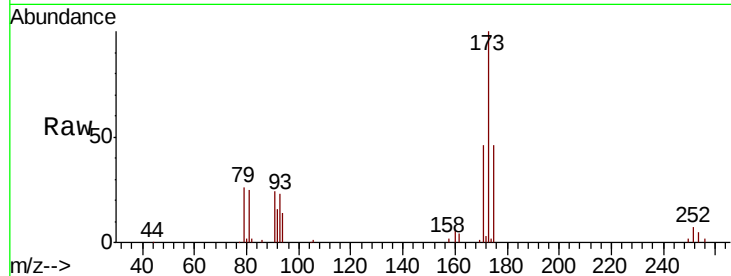




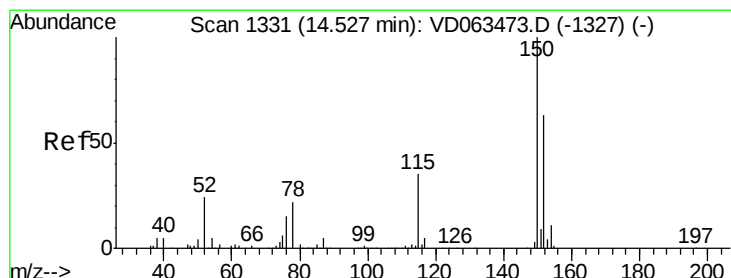
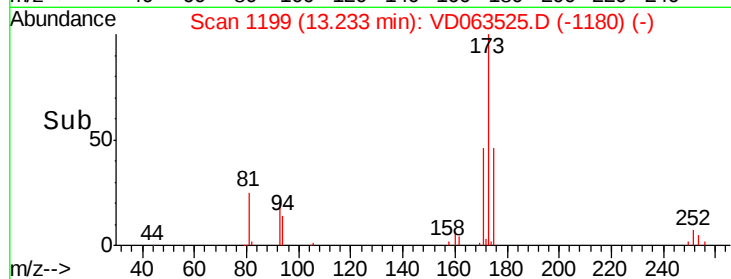
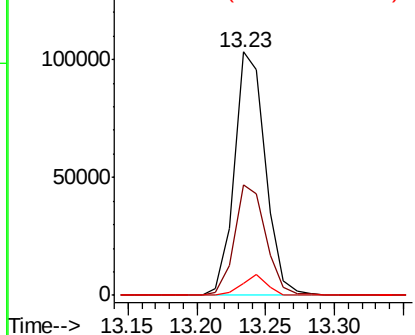
#71
Bromoform
Concen: 20.315 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 162110
Ion Ratio Lower Upper
173 100
175 45.5 22.8 68.3
254 4.9 6.6 9.8#

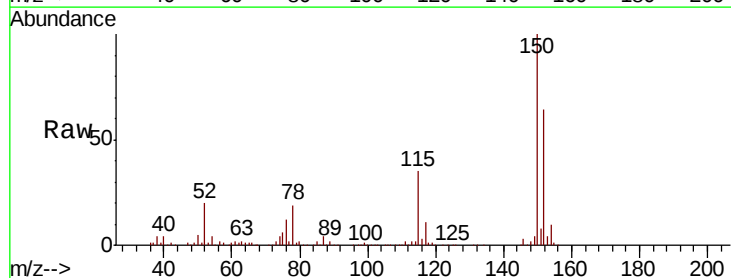


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

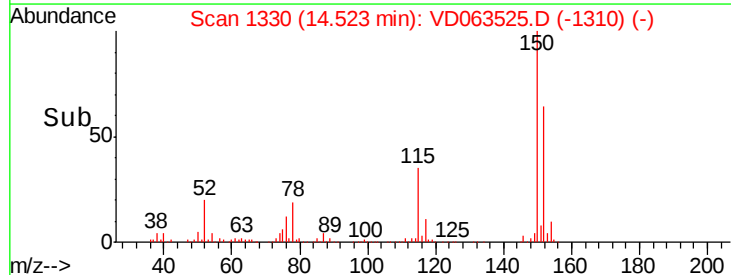
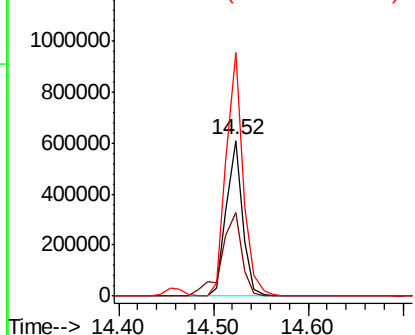


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion:152 Resp: 724833
Ion Ratio Lower Upper
152 100
115 54.0 30.9 92.7
150 156.1 0.0 318.6



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: 21.693 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

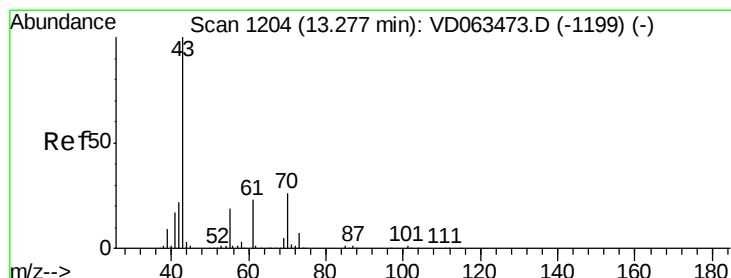
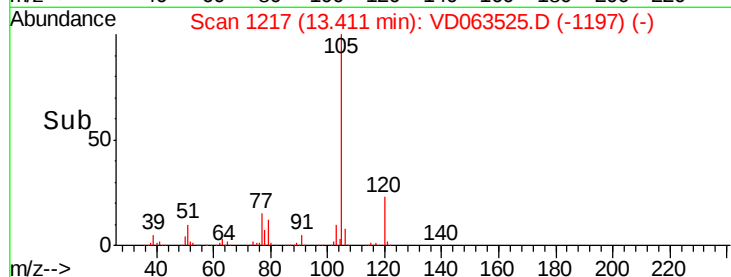
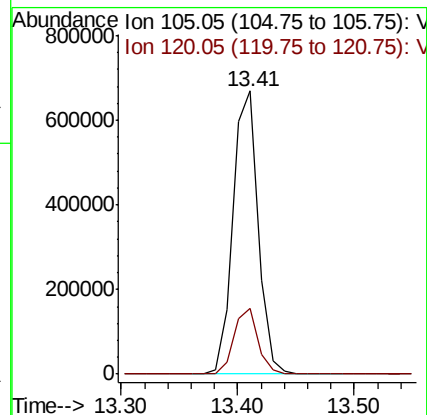
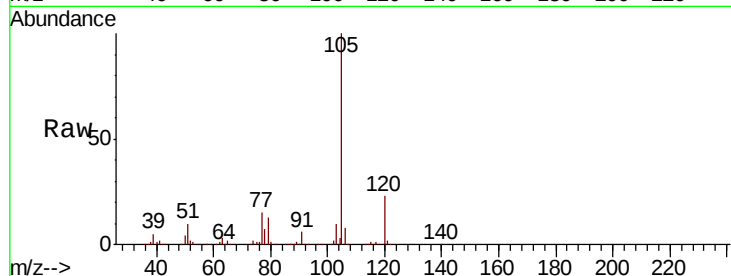
ClientSampleId :

Tot Ion:105 Resp: 1000143

Ion Ratio Lower Upper

105 100

120 23.1 11.9 35.9



#74

N-ethyl acetate

Concen: 20.313 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Tgt Ion: 43 Resp: 235086

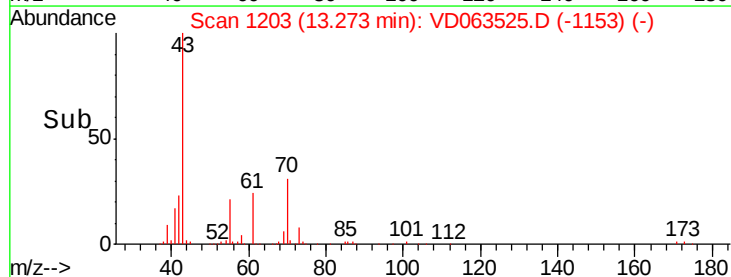
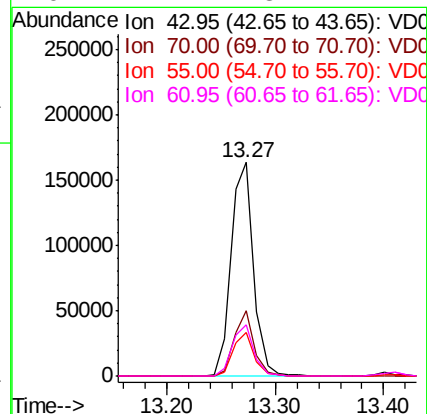
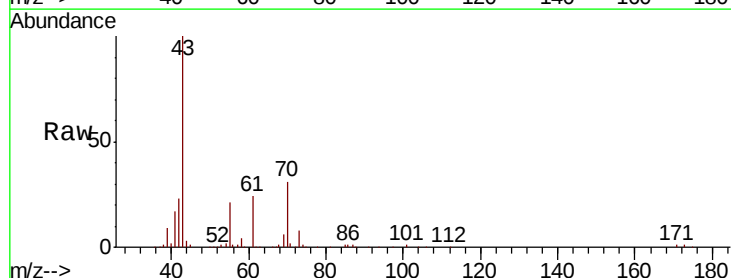
Ion Ratio Lower Upper

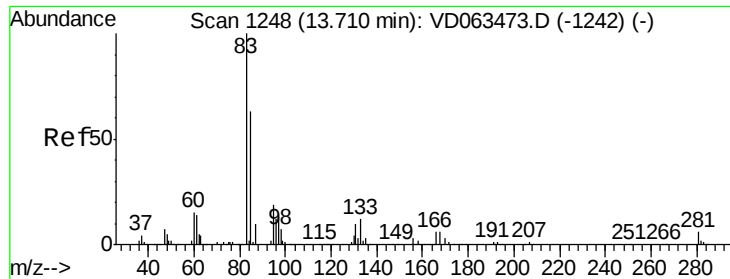
43 100

70 30.7 21.1 31.7

55 20.5 15.4 23.0

61 24.2 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.496 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

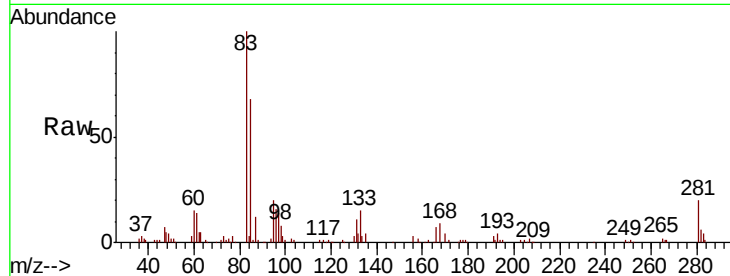
Tot Ion: 83 Resp: 172144

Ion Ratio Lower Upper

83 100

131 11.4 5.3 15.8

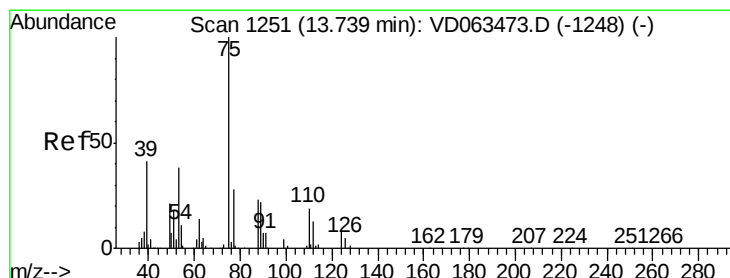
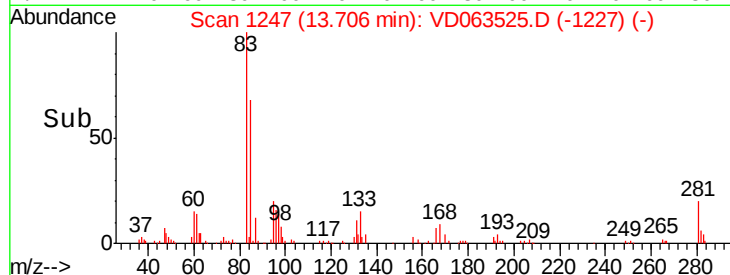
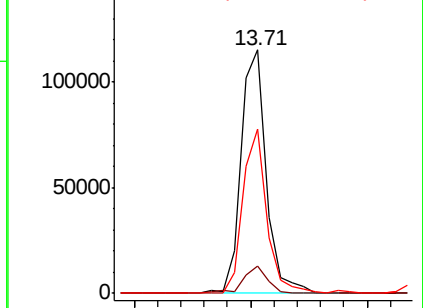
85 67.5 31.4 94.3



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: 20.698 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063525.D

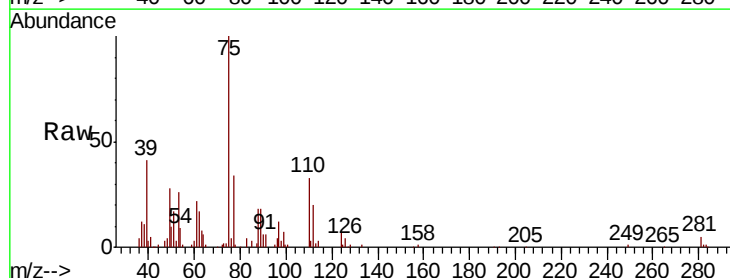
Acq: 13 Aug 2019 14:20

Tgt Ion: 75 Resp: 172182

Ion Ratio Lower Upper

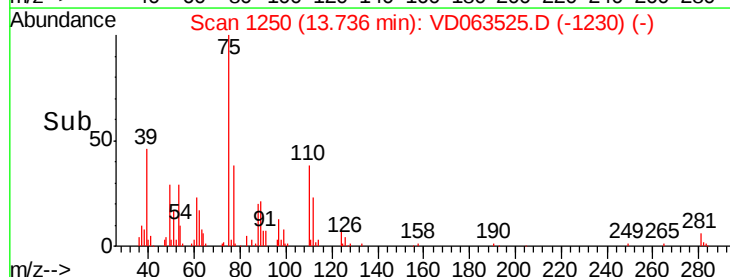
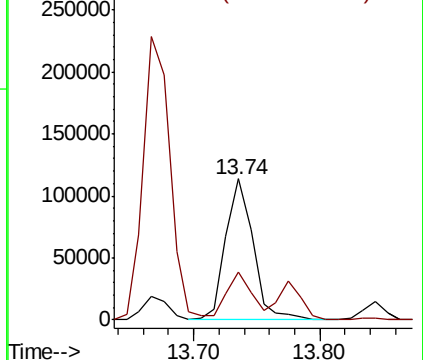
75 100

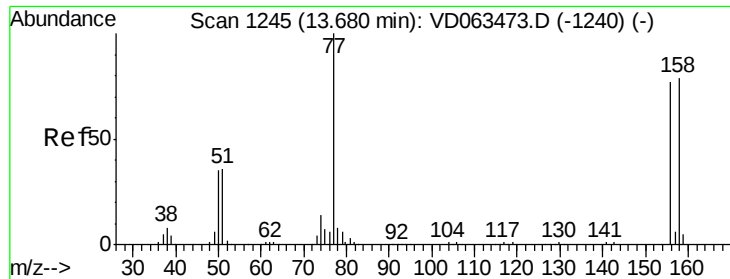
77 33.7 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.395 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

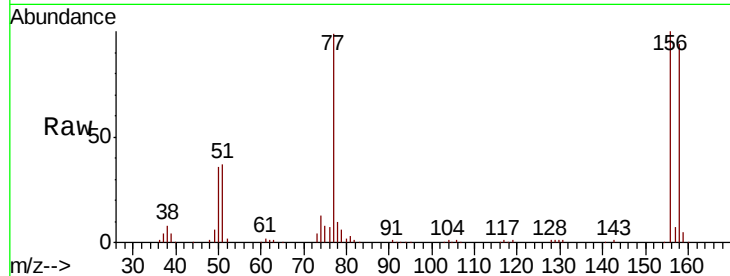
Tot Ion:156 Resp: 269581

Ion Ratio Lower Upper

156 100

77 99.3 64.6 193.8

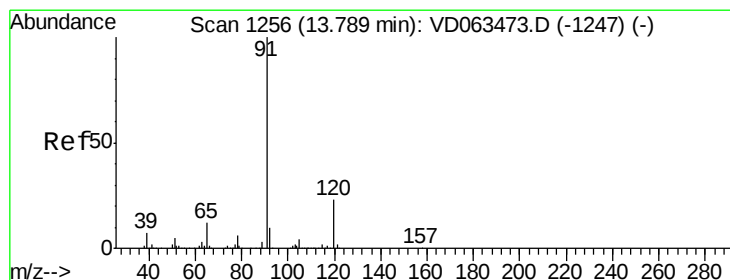
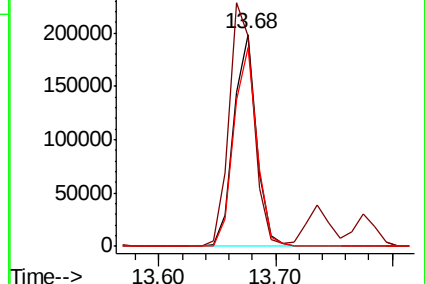
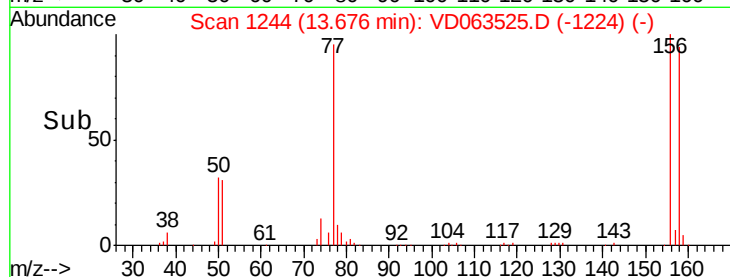
158 93.7 50.9 152.7



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: 18.660 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063525.D

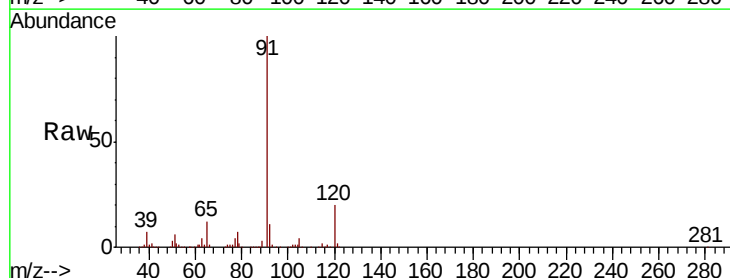
Acq: 13 Aug 2019 14:20

Tgt Ion: 91 Resp: 1006581

Ion Ratio Lower Upper

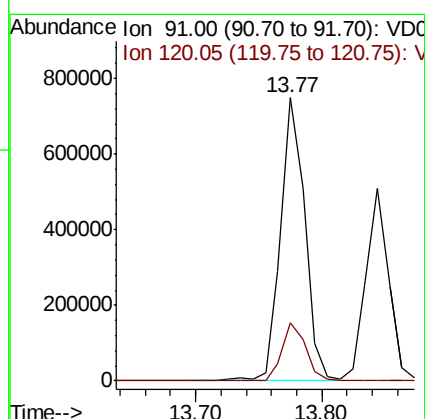
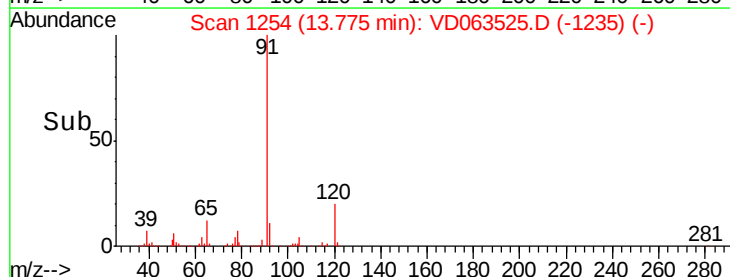
91 100

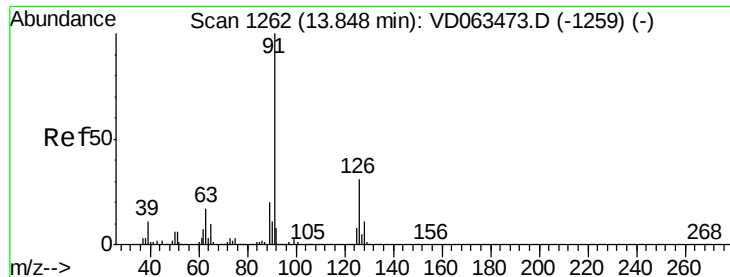
120 20.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

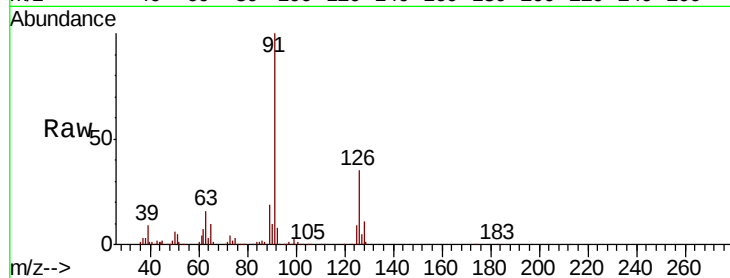




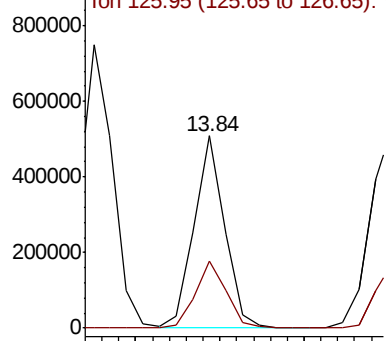
#79
 2-Chlorotoluene
 Concen: 20.572 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Instrument :
 MSVOA_D
 ClientSampled :

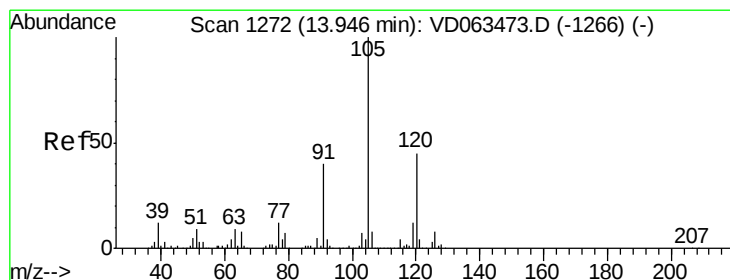
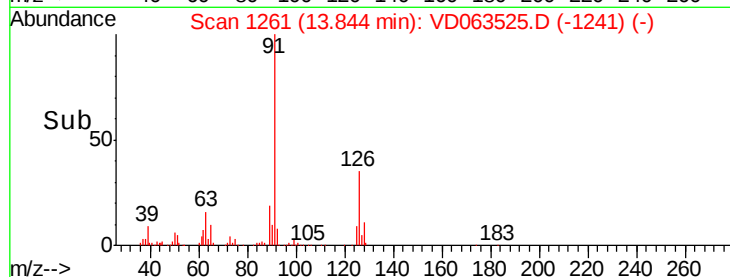
Tot Ion: 91 Resp: 639844
 Ion Ratio Lower Upper
 91 100
 126 35.1 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

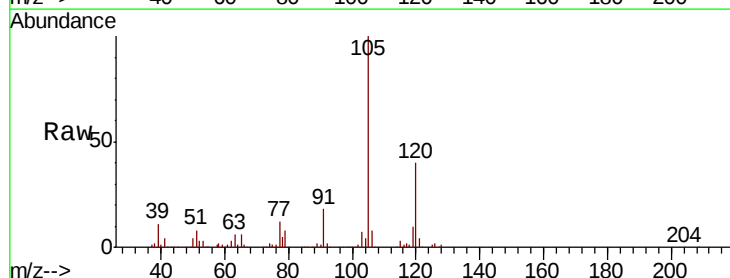


Time-->

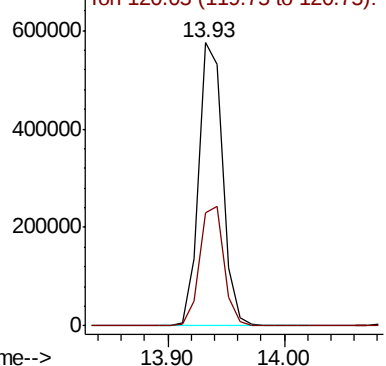


#80
 1,3,5-Trimethylbenzene
 Concen: 20.418 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

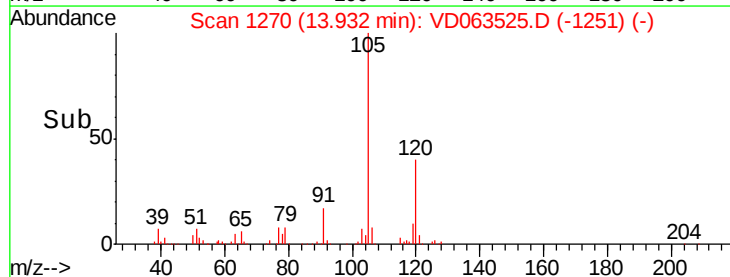
Tgt Ion: 105 Resp: 822480
 Ion Ratio Lower Upper
 105 100
 120 40.2 22.8 68.3

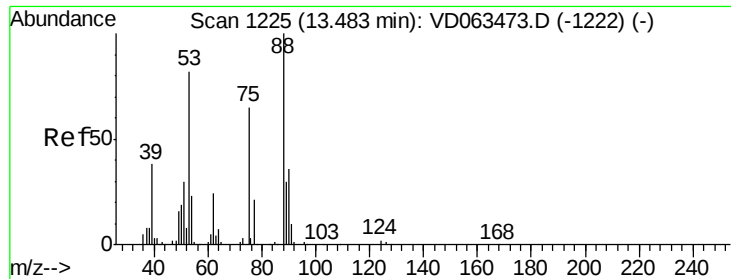


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V



Time-->

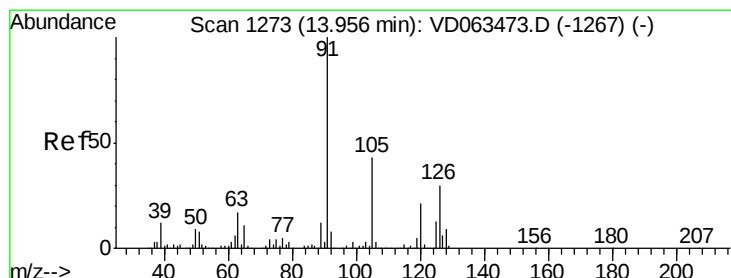
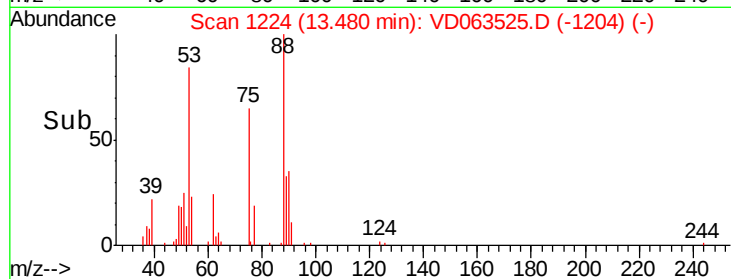
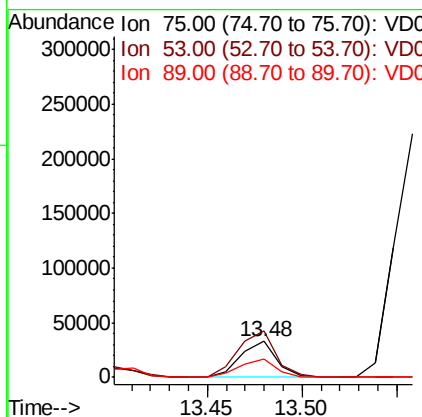
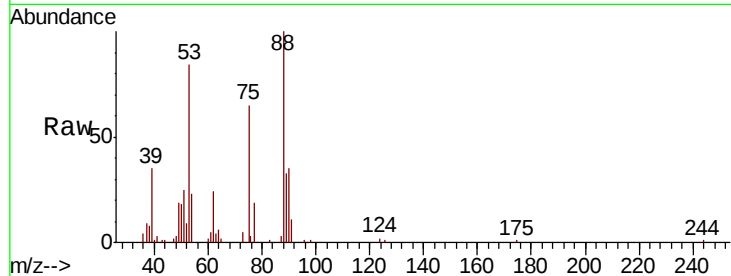




#81
trans-1,4-Dichloro-2-butene
Concen: 19.762 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

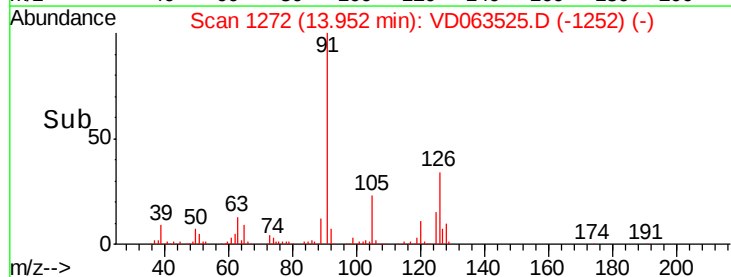
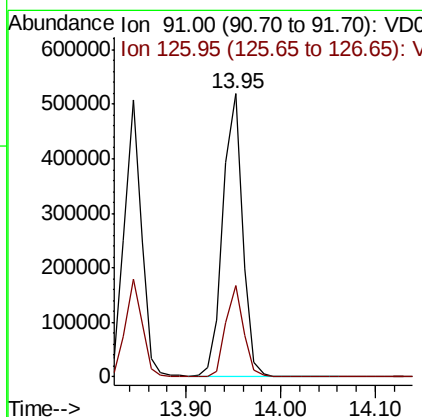
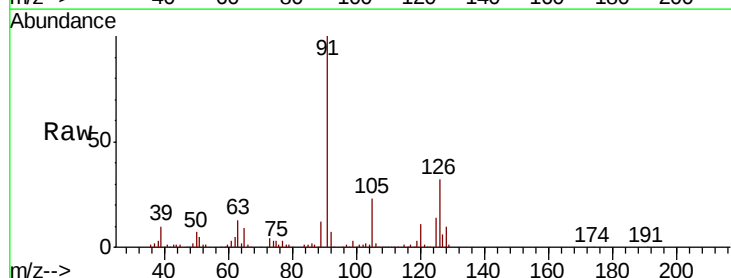
Instrument :
MSVOA_D
ClientSampleId :

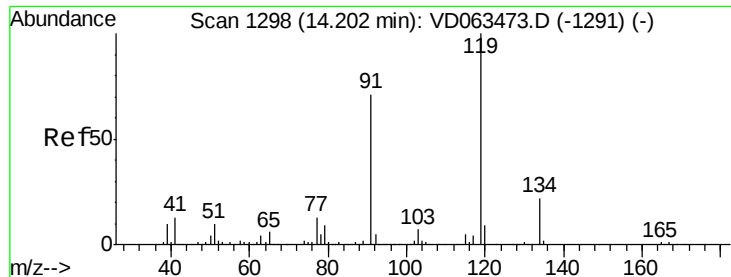
Tot Ion: 75 Resp: 44185
Ion Ratio Lower Upper
75 100
53 129.1 101.0 151.4
89 50.1 37.0 55.6



#82
4-Chlorotoluene
Concen: 20.000 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion: 91 Resp: 748022
Ion Ratio Lower Upper
91 100
126 32.3 15.2 45.6

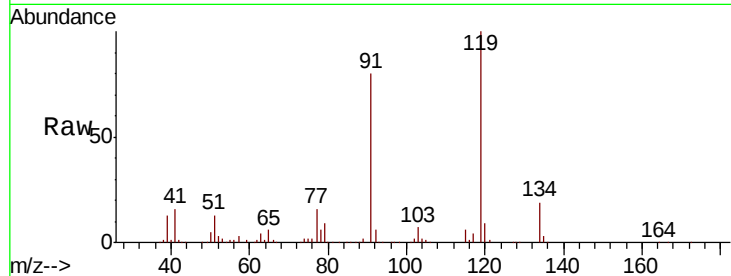




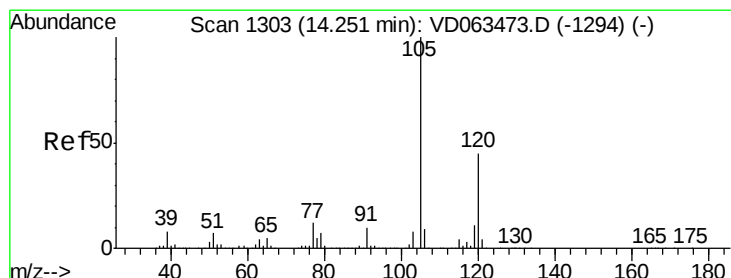
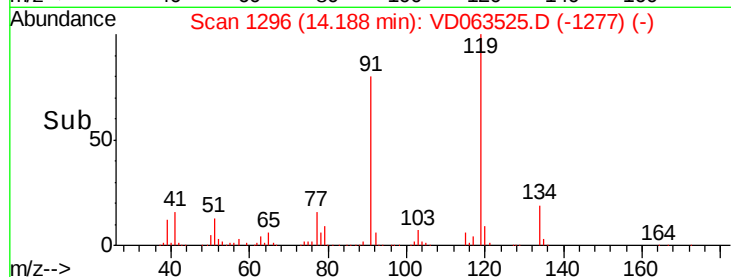
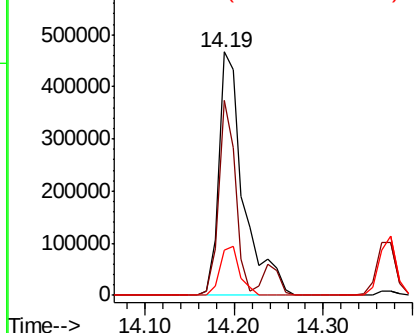
#83
tert-Butylbenzene
Concen: 21.250 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 901412
Ion Ratio Lower Upper
119 100
91 80.2 35.5 106.7
134 18.7 11.1 33.1

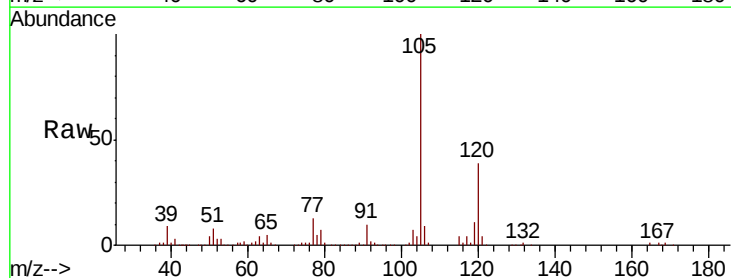


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

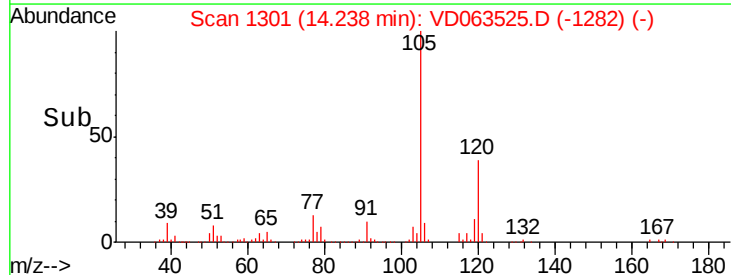
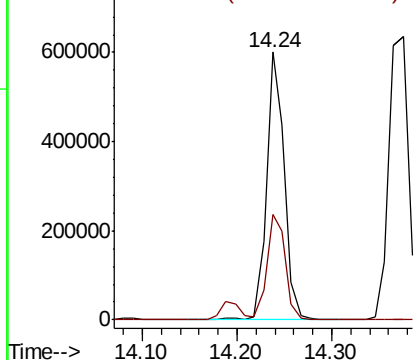


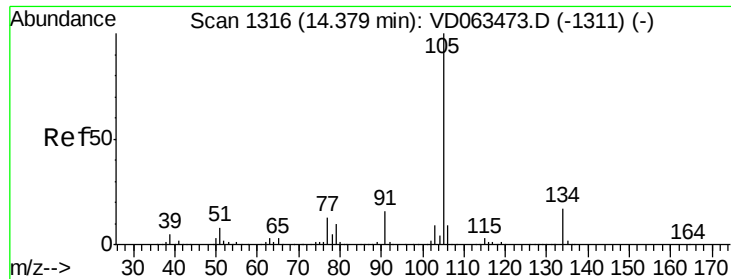
#84
1,2,4-Trimethylbenzene
Concen: 21.149 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion:105 Resp: 788246
Ion Ratio Lower Upper
105 100
120 39.2 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

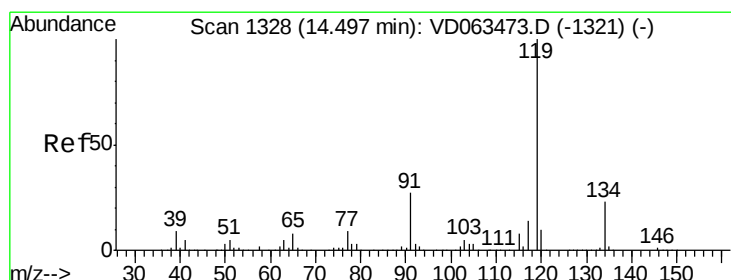
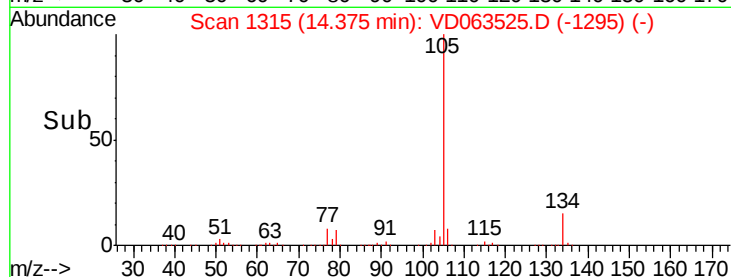
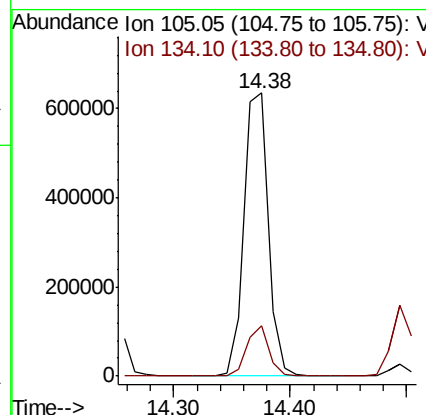
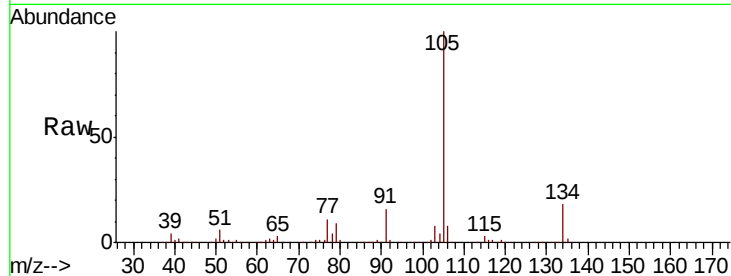




#85
 sec-Butylbenzene
 Concen: 20.378 ug/l
 RT: 14.38 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

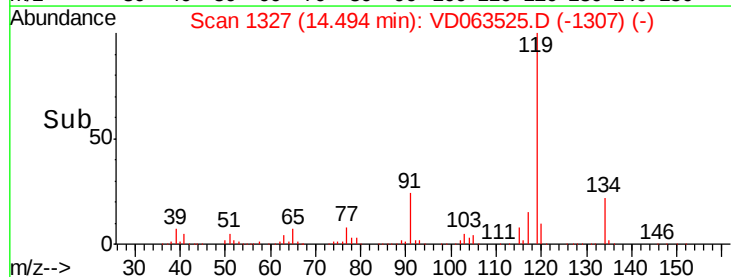
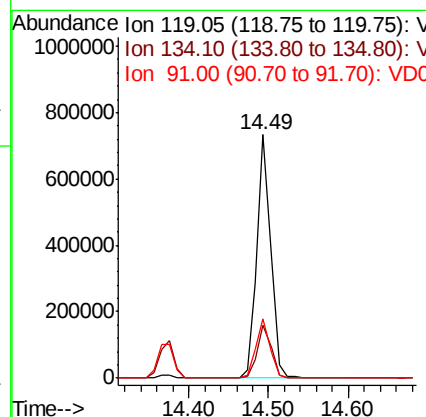
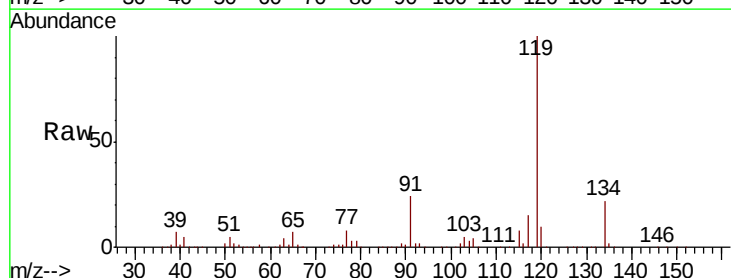
Instrument :
 MSVOA_D
 ClientSampleId :

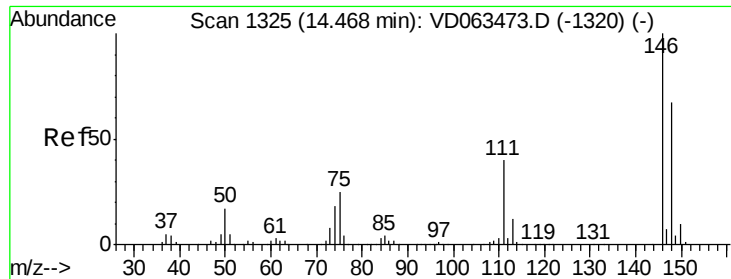
Tot Ion:105 Resp: 917996
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 20.029 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Tgt Ion:119 Resp: 862687
 Ion Ratio Lower Upper
 119 100
 134 21.8 11.3 33.8
 91 24.5 13.5 40.4

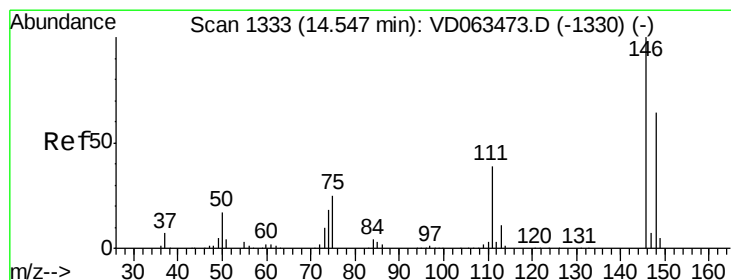
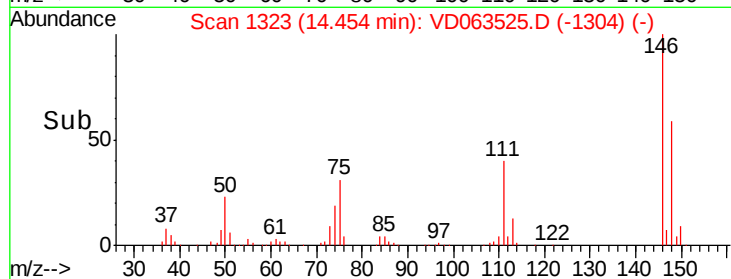
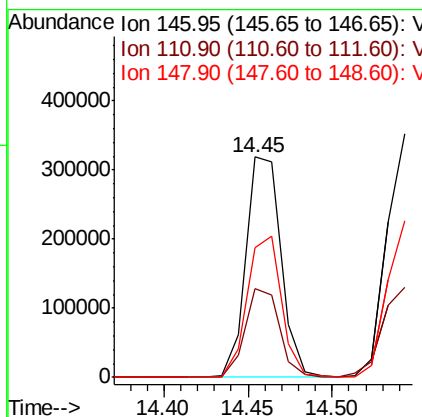
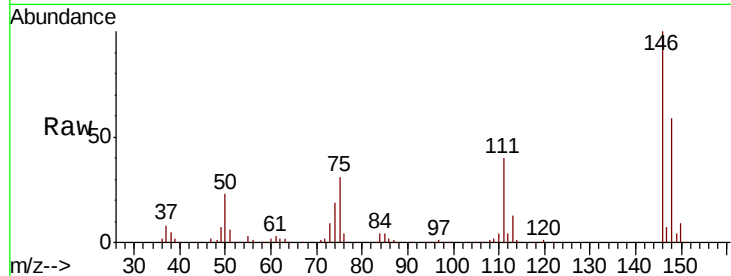




#87
 1,3-Dichlorobenzene
 Concen: 20.369 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

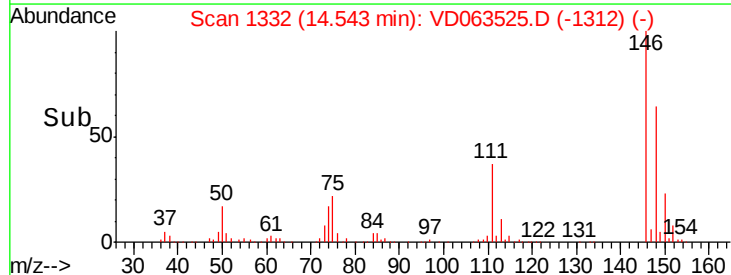
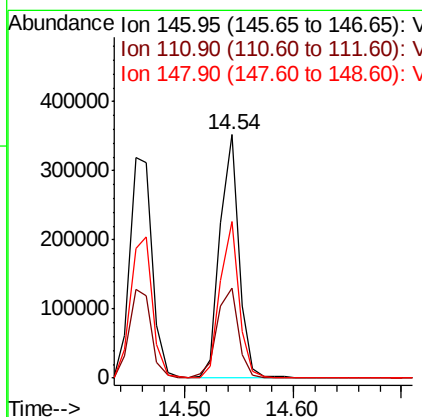
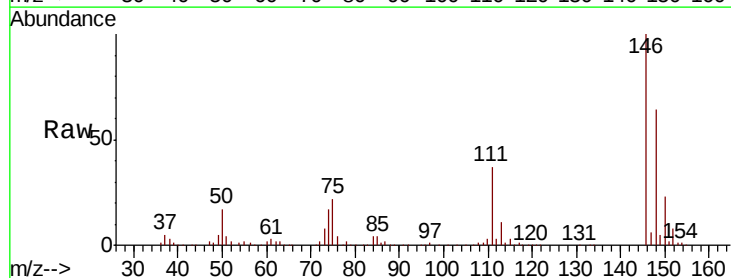
Instrument :
 MSVOA_D
 ClientSampled :

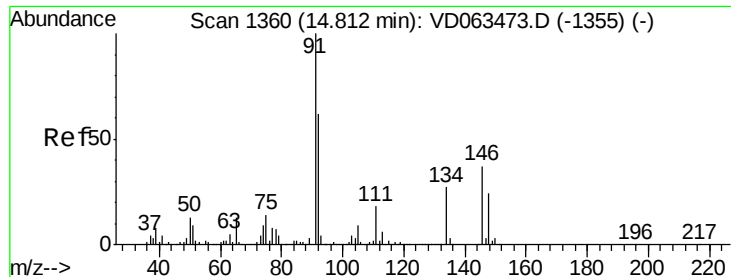
Tot Ion:146 Resp: 464244
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 60.0
 148 58.9 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 19.786 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Tgt Ion:146 Resp: 432643
 Ion Ratio Lower Upper
 146 100
 111 36.7 19.7 59.0
 148 64.1 32.1 96.3





#89

n-Butylbenzene

Concen: 19.685 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063525.D

Acq: 13 Aug 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

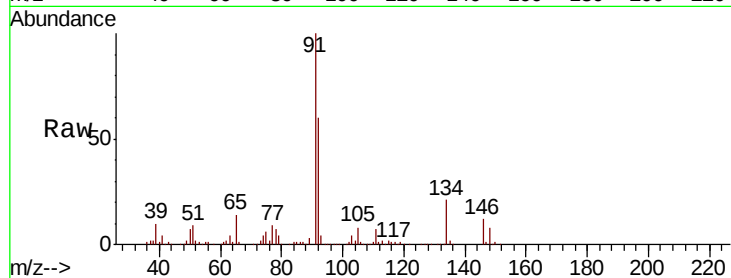
Tot Ion: 91 Resp: 773841

Ion Ratio Lower Upper

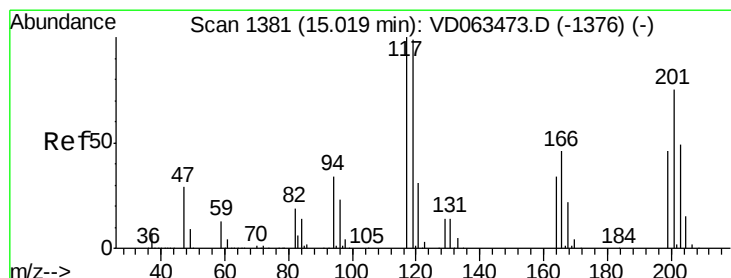
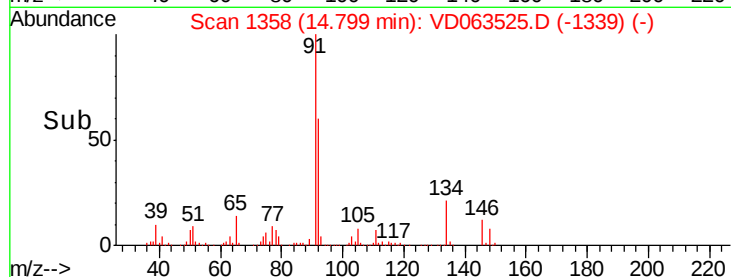
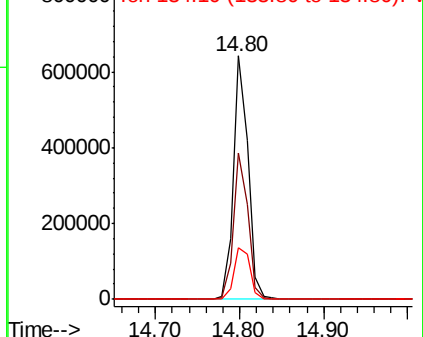
91 100

92 60.2 30.8 92.3

134 21.2 13.4 40.2



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): V



#90

Hexachloroethane

Concen: 20.443 ug/l

RT: 15.02 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063525.D

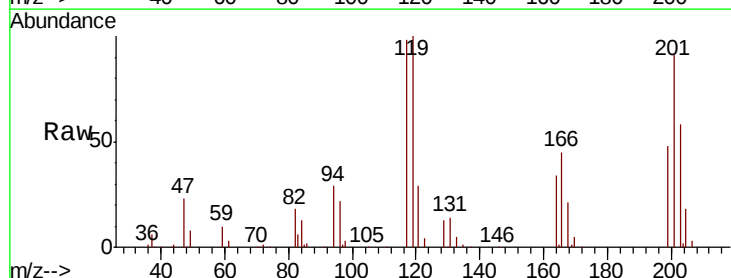
Acq: 13 Aug 2019 14:20

Tgt Ion: 117 Resp: 221316

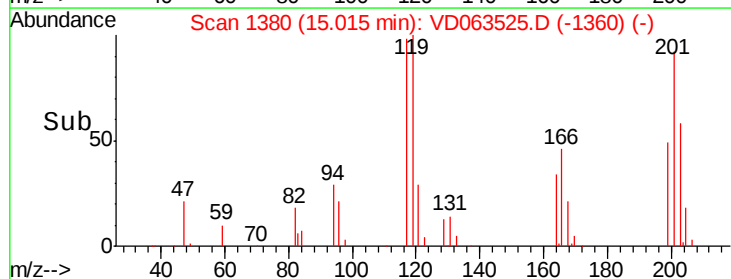
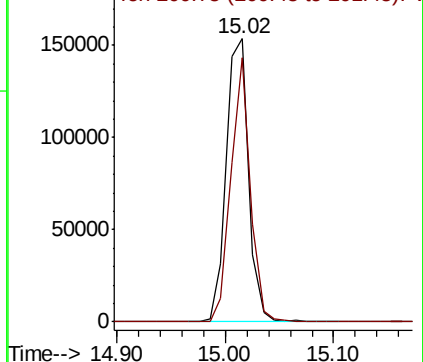
Ion Ratio Lower Upper

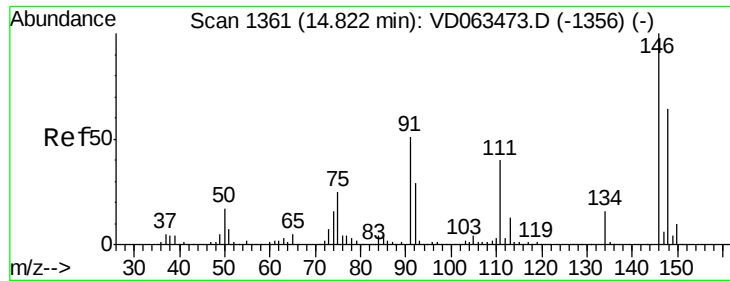
117 100

201 93.2 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

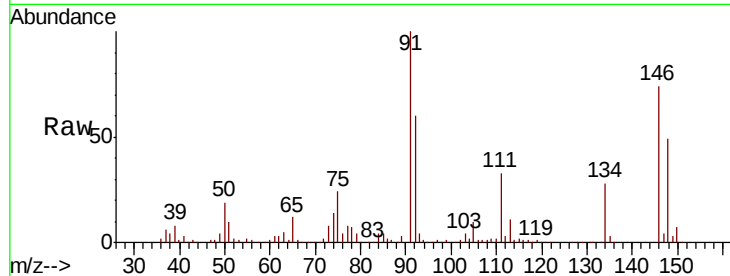




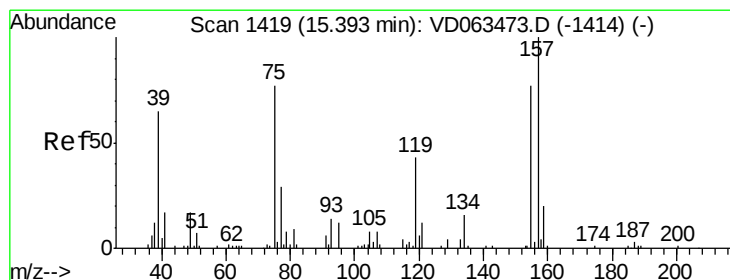
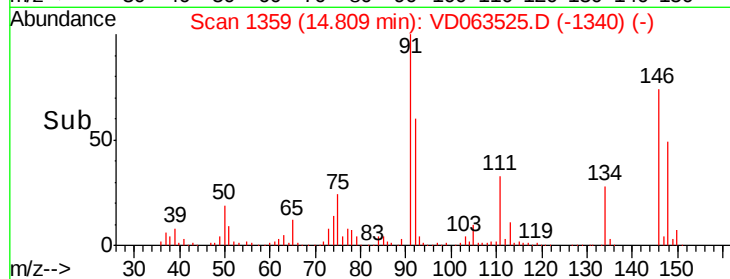
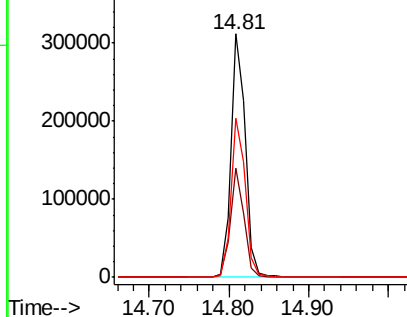
#91
 1,2-Dichlorobenzene
 Concen: 20.609 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.2	60.6
148	65.6	32.1	96.5

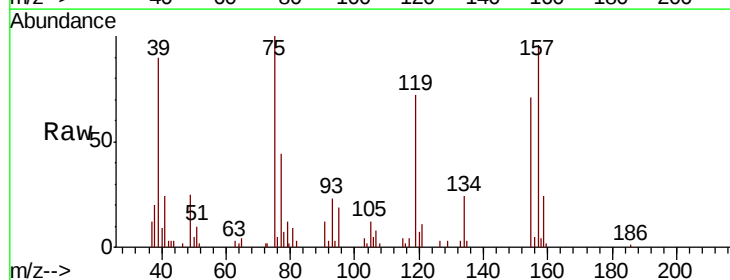


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

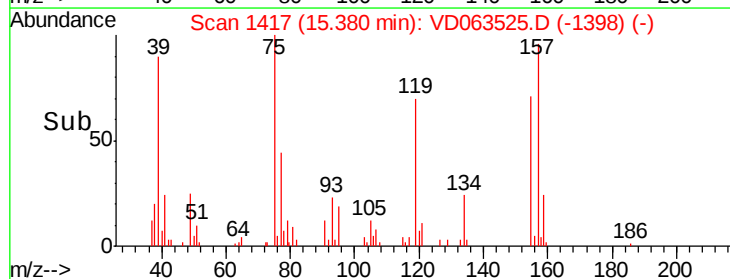
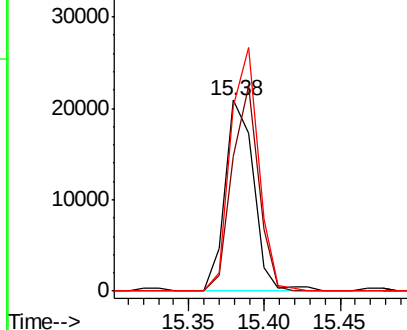


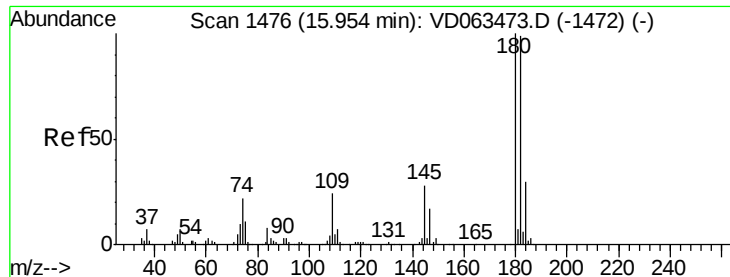
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.122 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.6	50.1	150.3
157	96.5	65.0	195.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

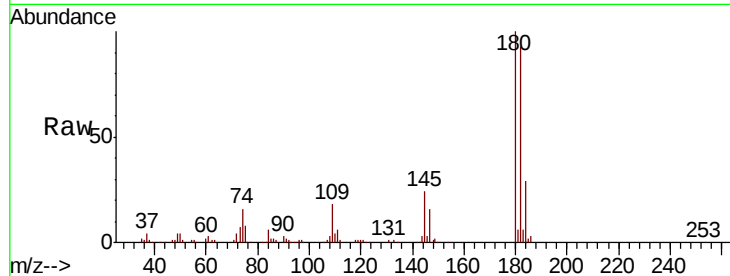




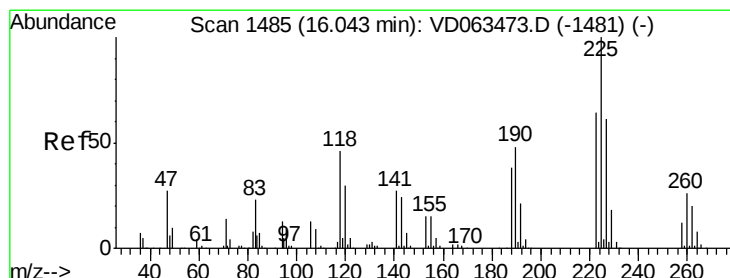
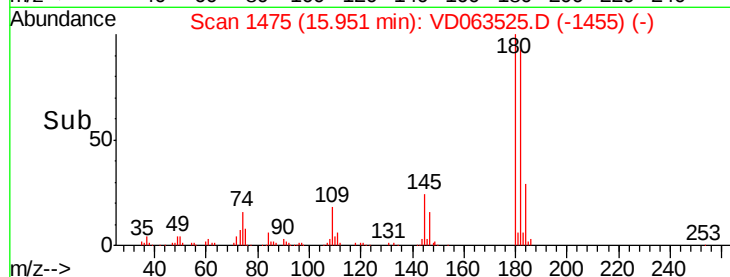
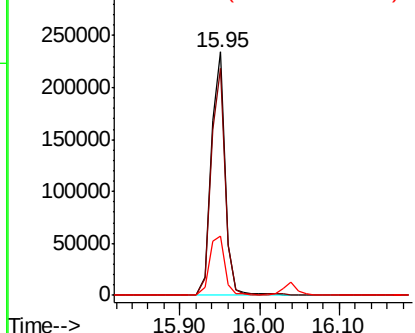
#93
 1,2,4-Trichlorobenzene
 Concen: 20.197 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	49.7	149.1
145	24.3	14.1	42.2

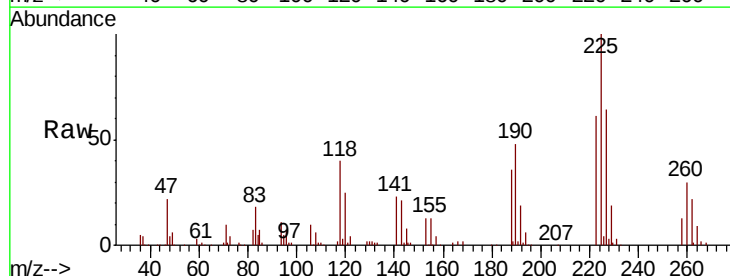


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

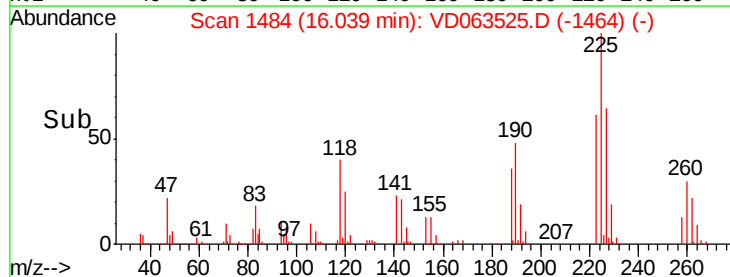
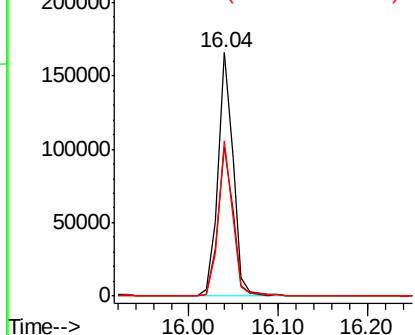


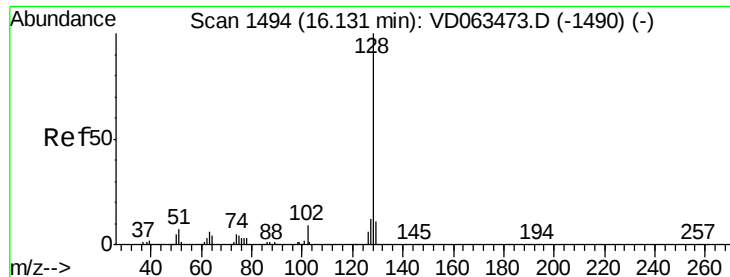
#94
 Hexachlorobutadiene
 Concen: 18.427 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063525.D
 Acq: 13 Aug 2019 14:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.9	95.5
227	63.6	30.7	92.1



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

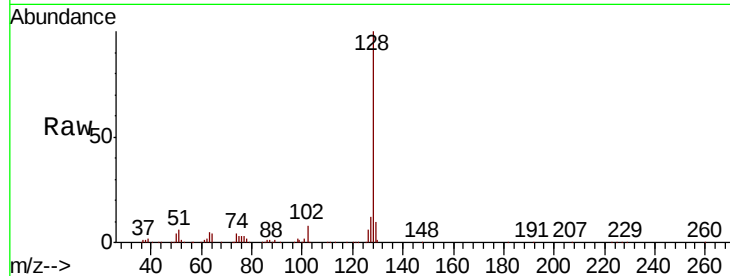




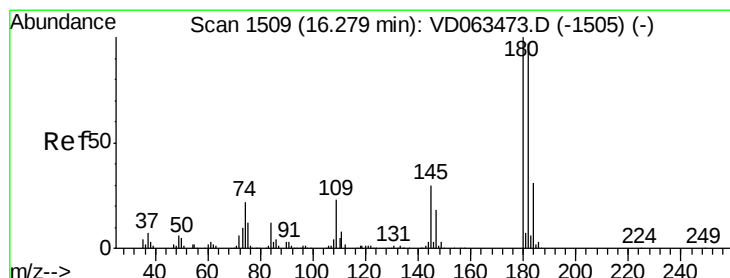
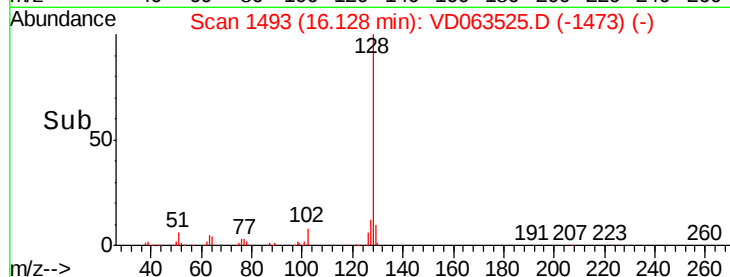
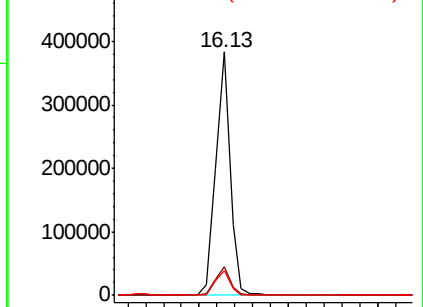
#95
Naphthalene
Concen: 20.171 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 434964
Ion Ratio Lower Upper
128 100
127 11.6 9.4 14.0
129 10.1 8.5 12.7

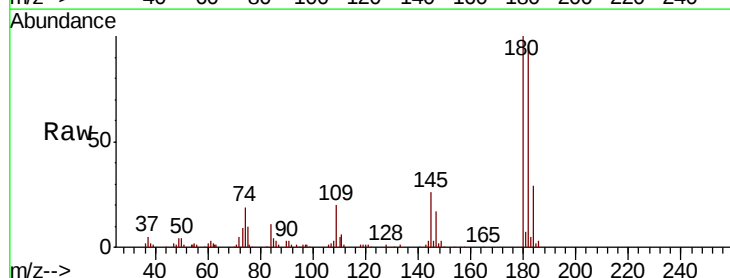


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.096 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063525.D
Acq: 13 Aug 2019 14:20

Tgt Ion:180 Resp: 230943
Ion Ratio Lower Upper
180 100
182 95.6 48.4 145.2
145 25.8 14.9 44.9



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

