

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063826.D
 Acq On : 25 Sep 2019 16:58
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 26 11:07:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	243496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	386687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	367405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	187667	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.35	65	11721	5.11	ug/l	0.00
Spiked Amount			Recovery	=	10.22%	
35) Dibromofluoromethane	7.94	113	11873	4.84	ug/l	0.00
Spiked Amount			Recovery	=	9.68%	
50) Toluene-d8	10.36	98	45610	4.94	ug/l	0.00
Spiked Amount			Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.64	95	15354	4.63	ug/l	0.00
Spiked Amount			Recovery	=	9.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	8874	5.314	ug/l	86
3) Chloromethane	2.22	50	30467	6.020	ug/l	94
4) Vinyl Chloride	2.36	62	29227	5.659	ug/l	91
5) Bromomethane	2.78	94	17235	5.704	ug/l	94
6) Chloroethane	2.94	64	24233	6.813	ug/l	94
7) Trichlorofluoromethane	3.29	101	39574	5.699	ug/l	99
8) Diethyl Ether	3.48	74	150	0.132	ug/l	51
9) 1,1,2-Trichlorotrifluoroet	4.10	101	11365	5.517	ug/l	98
10) Methyl Iodide	4.32	142	11391	4.632	ug/l #	90
11) Tert butyl alcohol	5.27	59	5822	32.775	ug/l #	72
12) 1,1-Dichloroethene	4.08	96	12128	5.833	ug/l #	74
13) Acrolein	3.94	56	2865	13.247	ug/l #	1
14) Allyl chloride	4.73	41	19587	5.960	ug/l #	81
15) Acrylonitrile	5.45	53	14157	28.304	ug/l	96
16) Acetone	4.18	43	16243	31.561	ug/l	97
17) Carbon Disulfide	4.43	76	37674	5.360	ug/l #	95
18) Methyl Acetate	4.75	43	8398	6.627	ug/l	96
19) Methyl tert-butyl Ether	5.51	73	28334	5.443	ug/l	93
20) Methylene Chloride	4.99	84	23168	7.482	ug/l	90
21) trans-1,2-Dichloroethene	5.50	96	13590	5.615	ug/l	98
22) Diisopropyl ether	6.39	45	39991	5.891	ug/l	93
23) Vinyl Acetate	6.33	43	110619	27.552	ug/l	99
24) 1,1-Dichloroethane	6.30	63	23145	5.612	ug/l #	93
25) 2-Butanone	7.26	43	20032	29.773	ug/l #	83
26) 2,2-Dichloropropane	7.23	77	22943	5.949	ug/l	100
27) cis-1,2-Dichloroethene	7.23	96	14804	5.451	ug/l	94
28) Bromochloromethane	7.58	49	9097	5.622	ug/l #	97
29) Tetrahydrofuran	7.60	42	11595	28.761	ug/l	97
30) Chloroform	7.74	83	25069	5.597	ug/l	97
31) Cyclohexane	8.01	56	25862	6.282	ug/l #	74
32) 1,1,1-Trichloroethane	7.93	97	22462	5.546	ug/l	97
36) 1,1-Dichloropropene	8.13	75	19314	5.476	ug/l	99
37) Ethyl Acetate	7.33	43	9039	6.136	ug/l #	93
38) Carbon Tetrachloride	8.11	117	20351	5.543	ug/l	89

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 Data File : VD063826.D
 Acq On : 25 Sep 2019 16:58
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 Sample : VSTDIC005
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 26 11:07:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	24682	5.620	ug/l	93
40) Benzene	8.37	78	52201	5.374	ug/l	92
41) Methacrylonitrile	7.54	41	5588	6.423	ug/l #	88
42) 1,2-Dichloroethane	8.44	62	15797	5.561	ug/l	99
43) Isopropyl Acetate	8.48	43	16976	5.748	ug/l	99
44) Trichloroethene	9.13	130	15047	5.349	ug/l	98
45) 1,2-Dichloropropane	9.41	63	13544	5.644	ug/l #	86
46) Dibromomethane	9.50	93	7628	5.632	ug/l	96
47) Bromodichloromethane	9.68	83	18176	5.206	ug/l	89
48) Methyl methacrylate	9.48	41	7149	5.322	ug/l	95
49) 1,4-Dioxane	9.48	88	2114	111.890	ug/l #	90
51) 4-Methyl-2-Pentanone	10.25	43	42265	28.409	ug/l	94
52) Toluene	10.41	92	36087	5.479	ug/l	98
53) t-1,3-Dichloropropene	10.64	75	17678	5.108	ug/l	90
54) cis-1,3-Dichloropropene	10.11	75	19761	5.030	ug/l	95
55) 1,1,2-Trichloroethane	10.82	97	10362	5.415	ug/l	97
56) Ethyl methacrylate	10.68	69	13360	5.493	ug/l	89
57) 1,3-Dichloropropane	10.97	76	17183	5.284	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.96	63	27801	25.573	ug/l	99
59) 2-Hexanone	11.00	43	29993	28.255	ug/l	93
60) Dibromochloromethane	11.16	129	12688	5.024	ug/l	100
61) 1,2-Dibromoethane	11.26	107	10188	5.325	ug/l	98
64) Tetrachloroethene	10.89	164	13769	5.564	ug/l	95
65) Chlorobenzene	11.68	112	39304	5.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.76	131	14693	5.410	ug/l	95
67) Ethyl Benzene	11.76	91	70157	5.255	ug/l	97
68) m/p-Xylenes	11.87	106	54749	10.680	ug/l	100
69) o-Xylene	12.19	106	25644	5.300	ug/l	98
70) Styrene	12.21	104	40867	4.990	ug/l	93
71) Bromoform	12.37	173	6945	4.603	ug/l #	90
73) Isopropylbenzene	12.49	105	69980	5.459	ug/l	99
74) N-amyl acetate	12.30	43	15687	5.590	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	11865	5.553	ug/l	95
76) 1,2,3-Trichloropropane	12.80	75	15583	13.093	ug/l #	100
77) Bromobenzene	12.77	156	16428	5.333	ug/l	93
78) n-propylbenzene	12.83	91	80910	5.365	ug/l	97
79) 2-Chlorotoluene	12.92	91	42709	5.251	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	55358	5.181	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.55	75	4089	5.739	ug/l #	89
82) 4-Chlorotoluene	13.01	91	48001	5.532	ug/l	97
83) tert-Butylbenzene	13.23	119	50054	5.361	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	57881	5.336	ug/l	94
85) sec-Butylbenzene	13.41	105	70327	5.413	ug/l	99
86) p-Isopropyltoluene	13.53	119	64073	5.251	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	31023	5.129	ug/l	96
88) 1,4-Dichlorobenzene	13.61	146	32738	5.442	ug/l	94
89) n-Butylbenzene	13.86	91	63191	5.441	ug/l	99
90) Hexachloroethane	14.13	117	12007	5.313	ug/l	90
91) 1,2-Dichlorobenzene	13.90	146	25682	4.950	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1934	5.365	ug/l	91

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Sample : VSTDICC005
Misc : 5.00g/5.00mL/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 26 11:07:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 26 11:05:05 2019
Response via : Initial Calibration

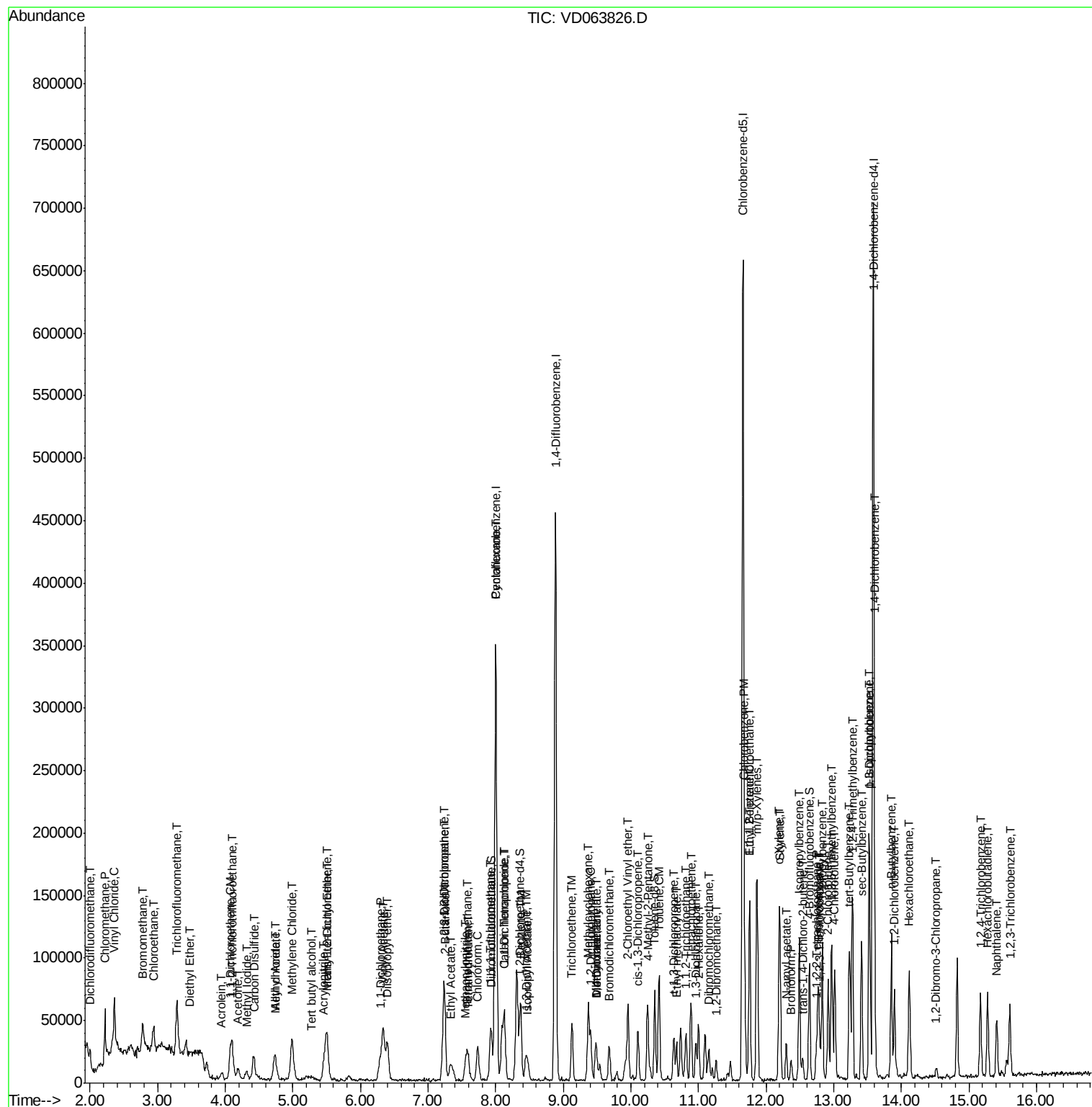
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	20854	5.293	ug/l	96
94) Hexachlorobutadiene	15.28	225	11075	4.961	ug/l	90
95) Naphthalene	15.41	128	37185	5.256	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	18821	5.388	ug/l	95

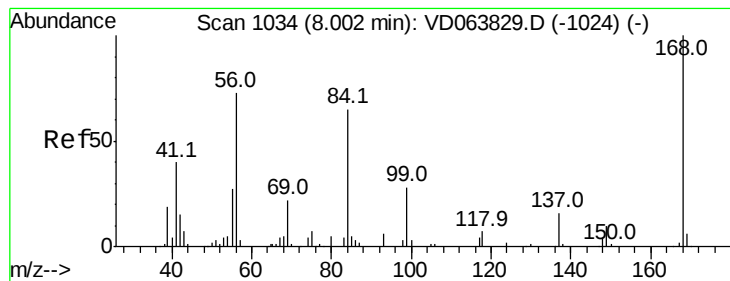
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092519\
Data File : VD063826.D
Acq On : 25 Sep 2019 16:58
Operator : VA/SY
Sample : VSTDIC005
Misc : 5.00µ/5.00mL/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 26 11:07:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 26 11:05:05 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

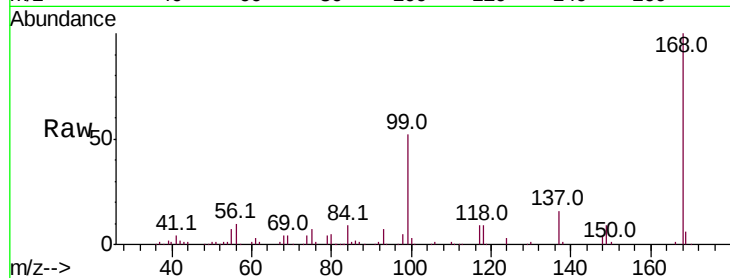
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 243496

Ion Ratio Lower Upper

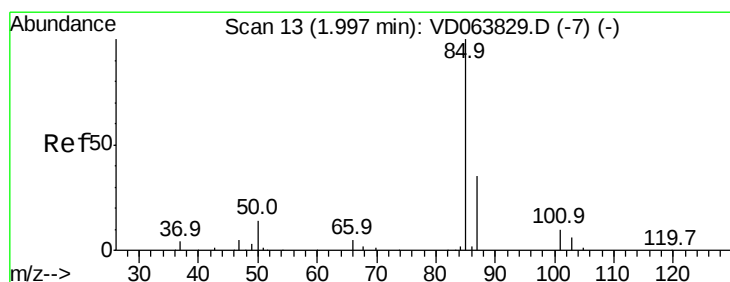
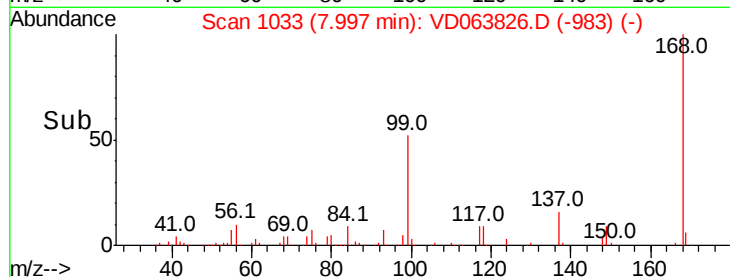
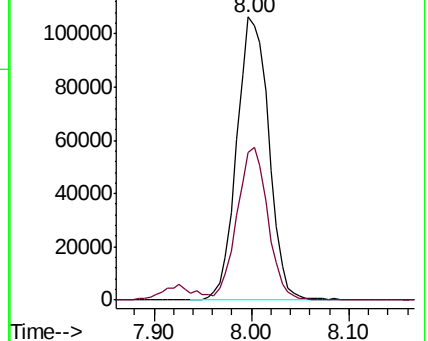
168 100

99 52.4 41.2 61.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.314 ug/l

RT: 2.00 min Scan# 13

Delta R.T. -0.00 min

Lab File: VD063826.D

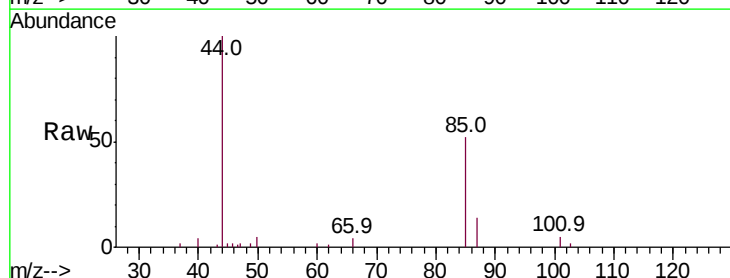
Acq: 25 Sep 2019 16:58

Tgt Ion: 85 Resp: 8874

Ion Ratio Lower Upper

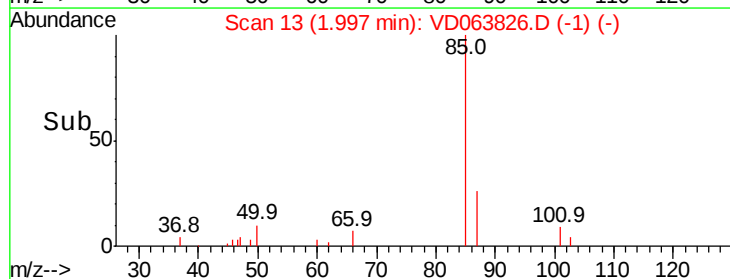
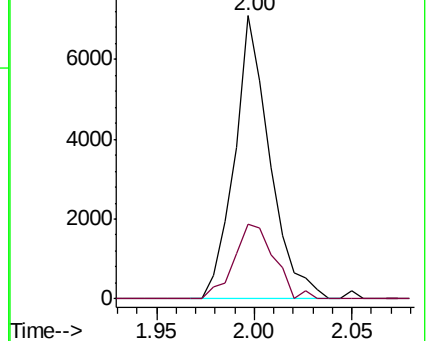
85 100

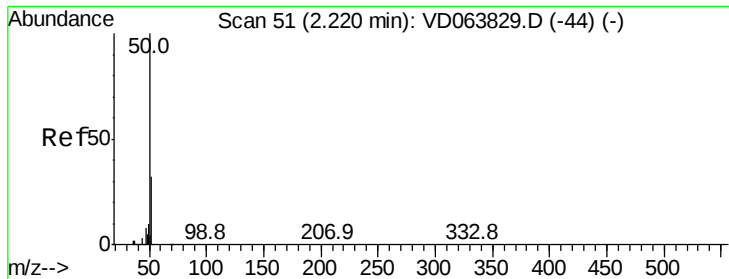
87 26.2 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 6.020 ug/l

RT: 2.22 min Scan# 51

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

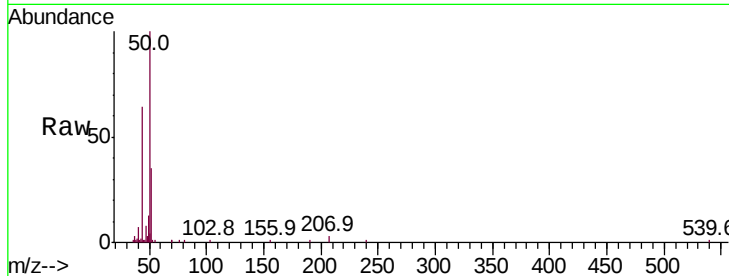
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 30467

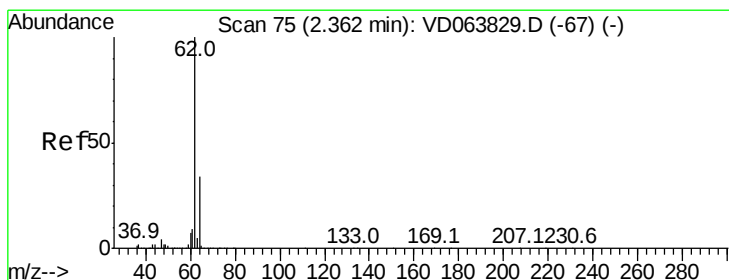
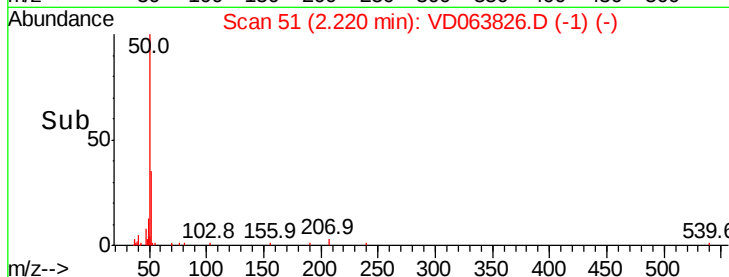
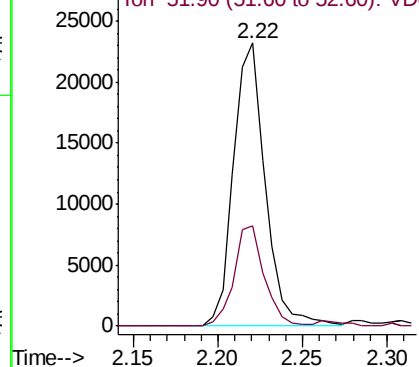
Ion Ratio Lower Upper

50 100

52 35.4 25.6 38.4



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



#4

Vinyl Chloride

Concen: 5.659 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063826.D

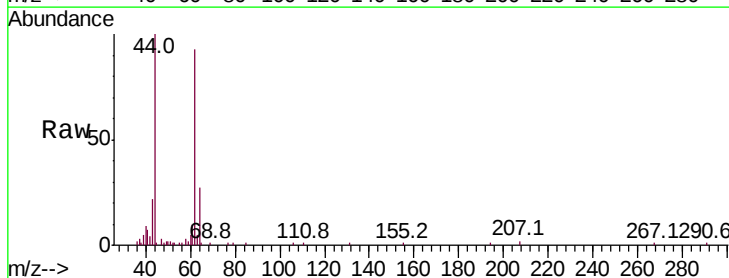
Acq: 25 Sep 2019 16:58

Tgt Ion: 62 Resp: 29227

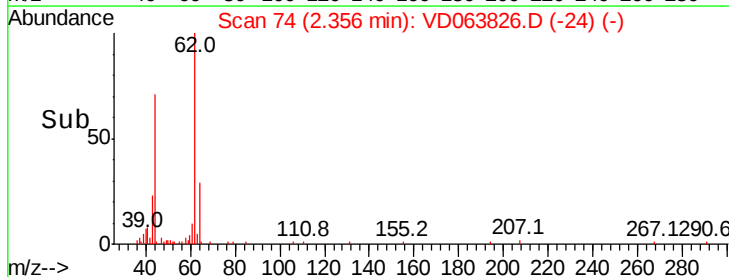
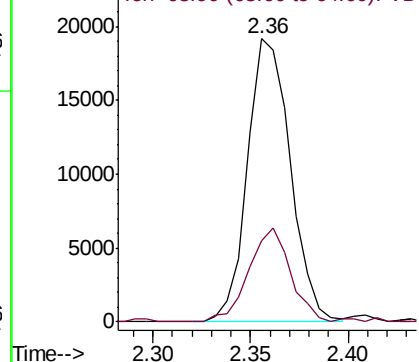
Ion Ratio Lower Upper

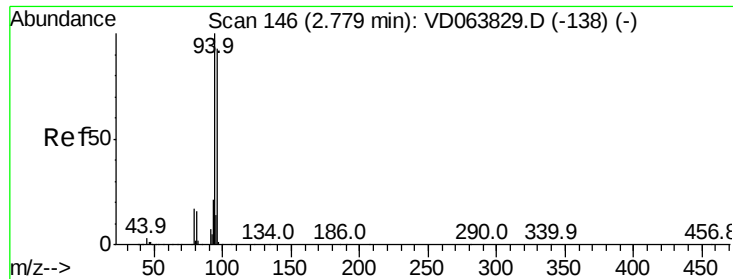
62 100

64 28.8 27.1 40.7



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.704 ug/l

RT: 2.78 min Scan# 146

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

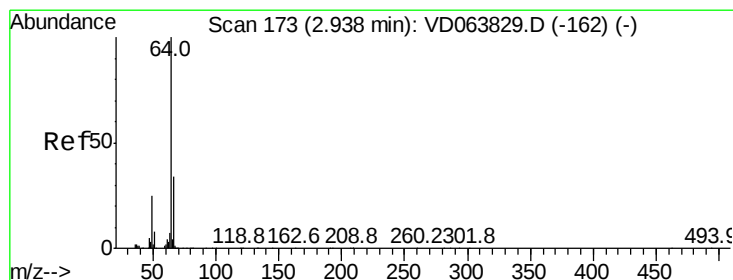
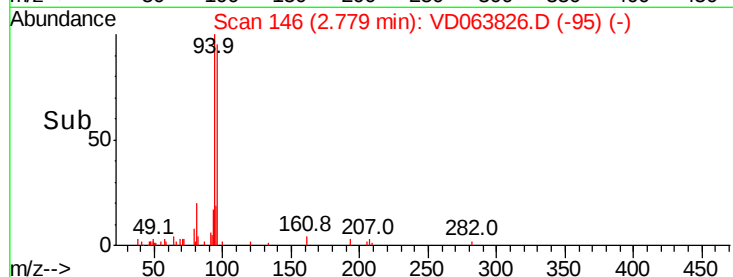
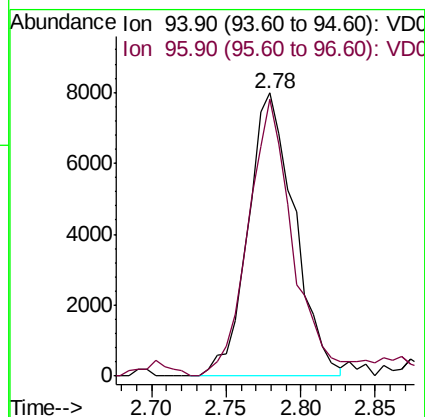
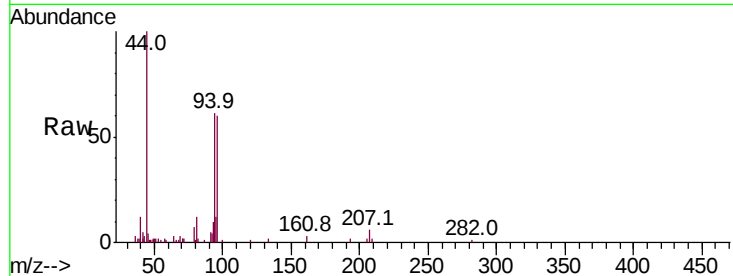
ClientSampleId :

Tot Ion: 94 Resp: 17235

Ion Ratio Lower Upper

94 100

96 98.1 74.2 111.2



#6

Chloroethane

Concen: 6.813 ug/l

RT: 2.94 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD063826.D

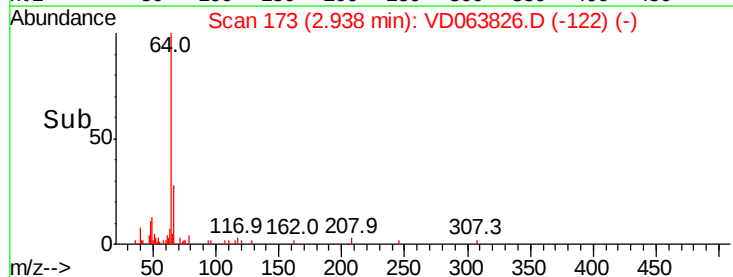
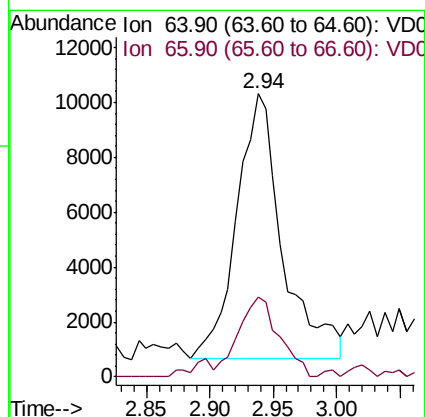
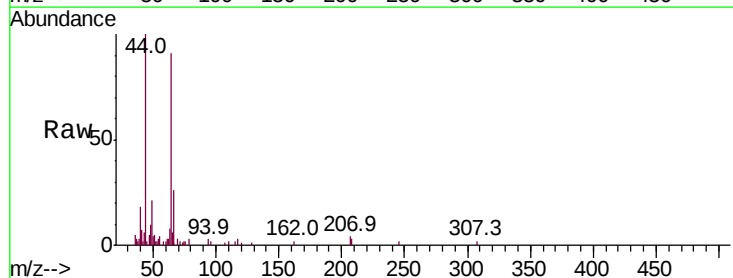
Acq: 25 Sep 2019 16:58

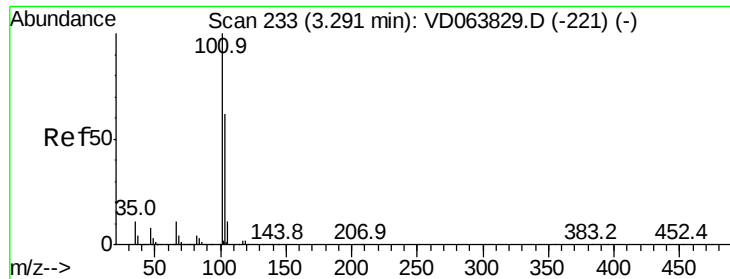
Tgt Ion: 64 Resp: 24233

Ion Ratio Lower Upper

64 100

66 30.0 26.9 40.3



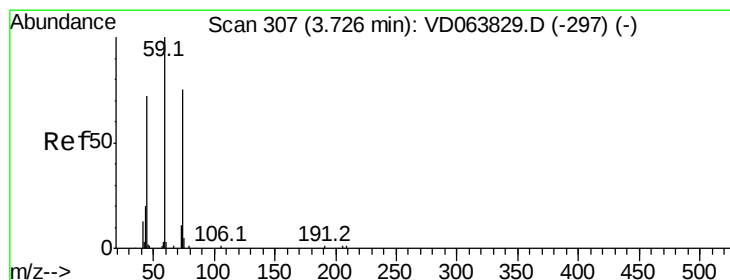
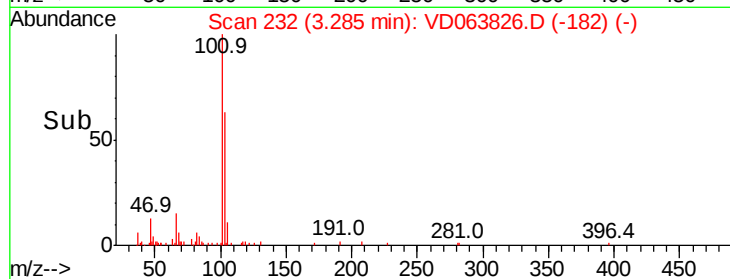
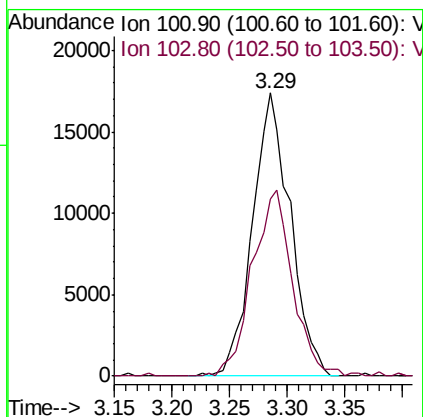
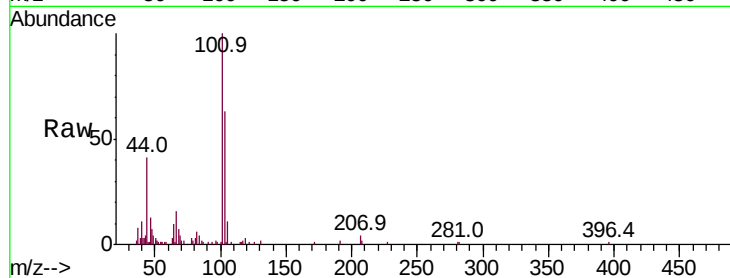


#7

Trichlorofluoromethane
 Concen: 5.699 ug/l
 RT: 3.29 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :

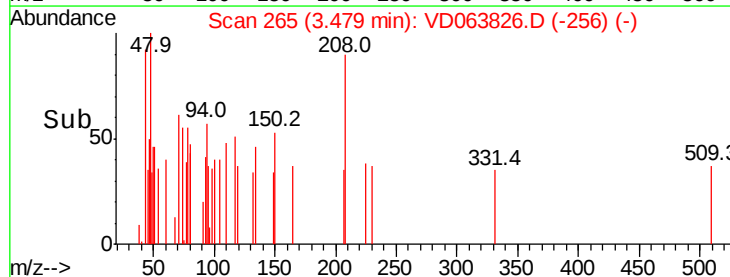
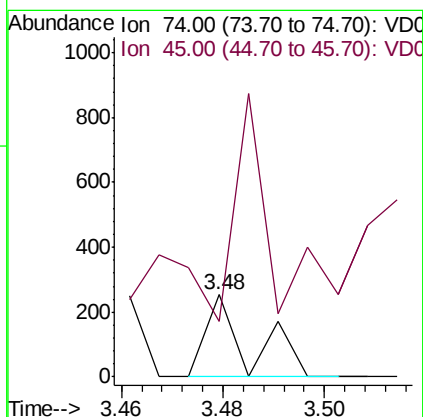
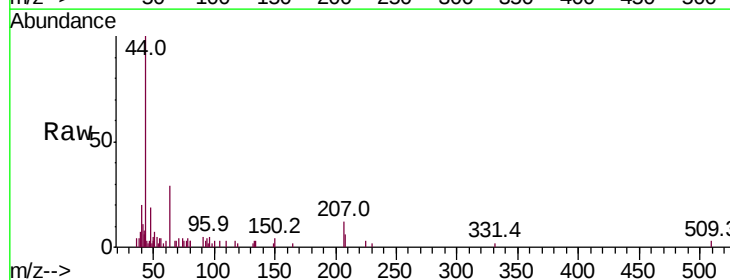
Tot Ion:101 Resp: 39574
 Ion Ratio Lower Upper
 101 100
 103 62.8 49.8 74.8

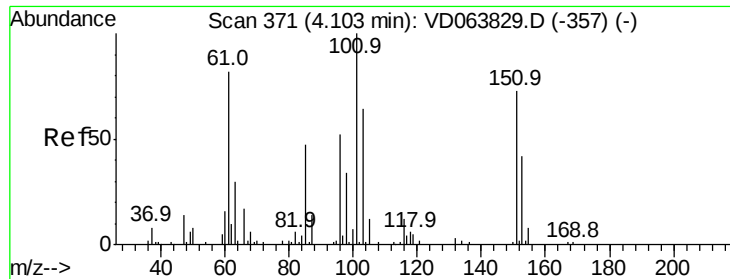


#8

Diethyl Ether
 Concen: 0.132 ug/l
 RT: 3.48 min Scan# 265
 Delta R.T. -0.25 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion: 74 Resp: 150
 Ion Ratio Lower Upper
 74 100
 45 146.0 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.517 ug/l

RT: 4.10 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

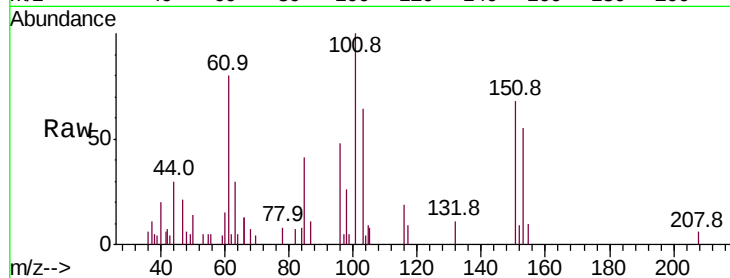
Tot Ion:101 Resp: 11365

Ion Ratio Lower Upper

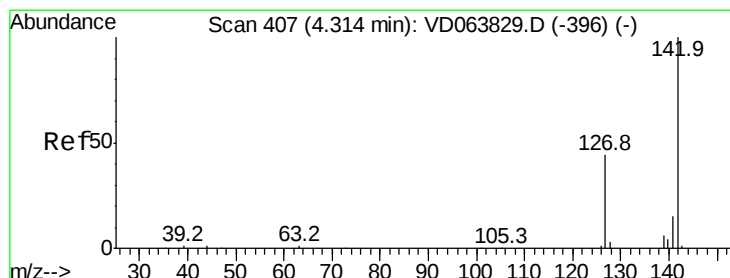
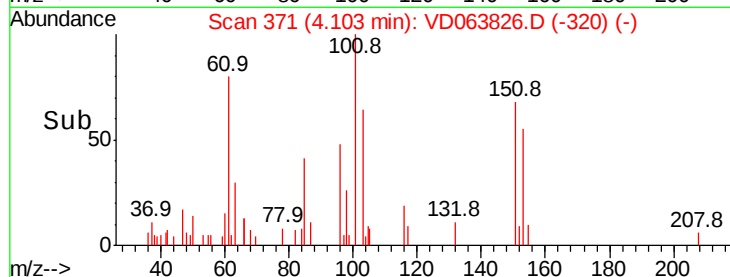
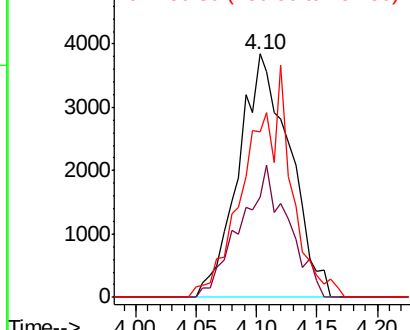
101 100

85 50.5 37.8 56.6

151 81.0 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.632 ug/l

RT: 4.32 min Scan# 408

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

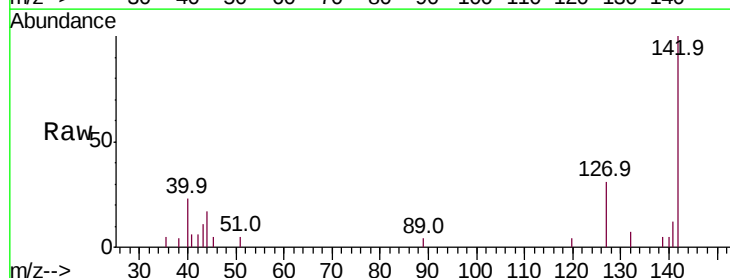
Tgt Ion:142 Resp: 11391

Ion Ratio Lower Upper

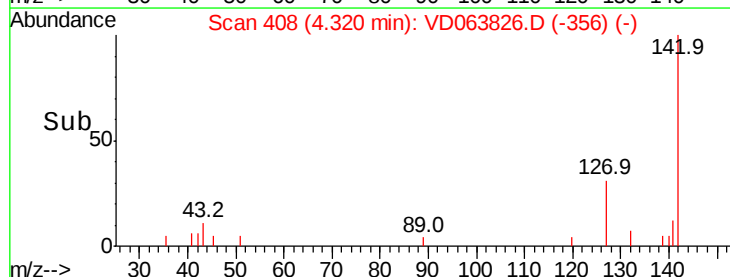
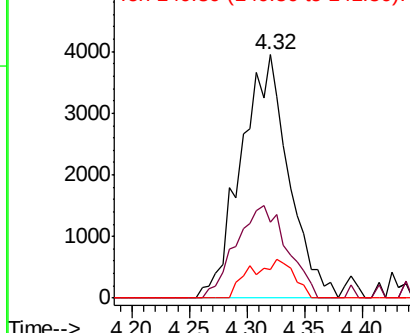
142 100

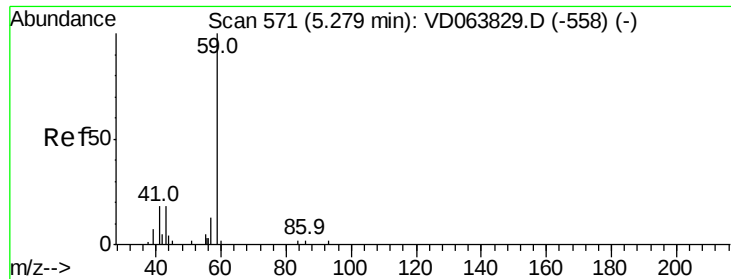
127 40.5 35.8 53.6

141 6.6 11.9 17.9#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

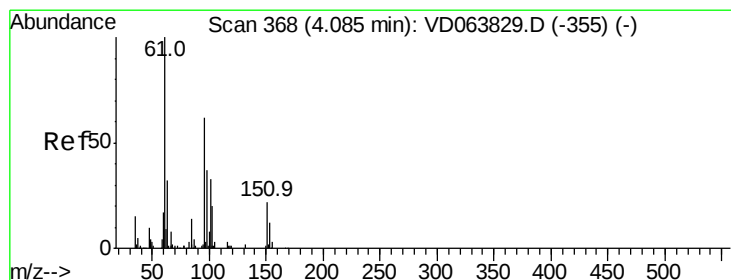
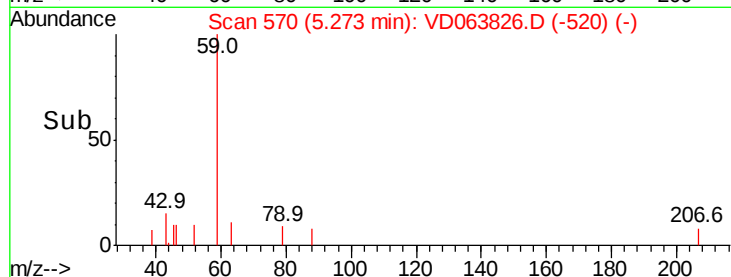
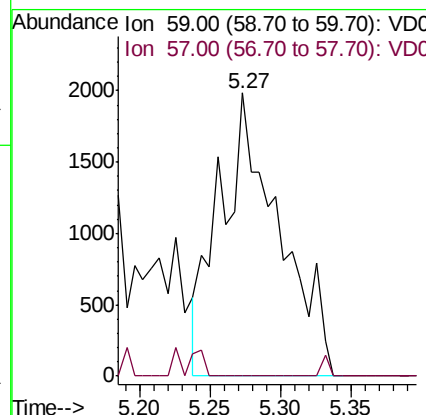
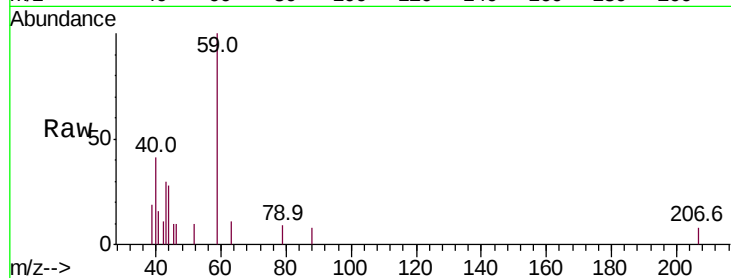




#11
Tert butyl alcohol
Concen: 32.775 ug/l
RT: 5.27 min Scan# 570
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

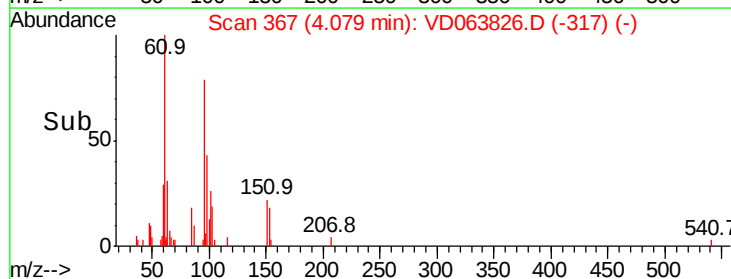
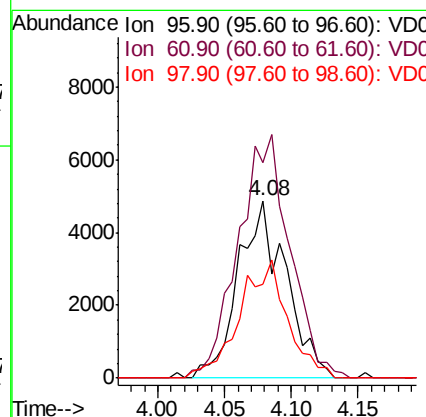
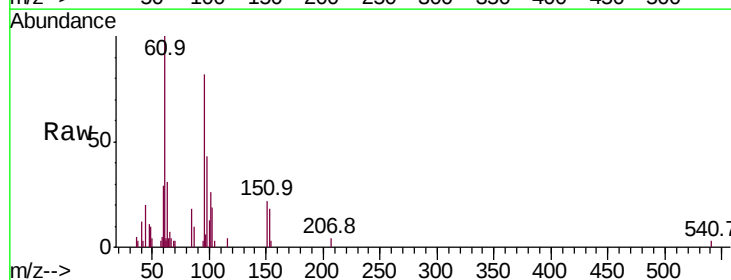
Instrument :
MSVOA_D
ClientSampleId :

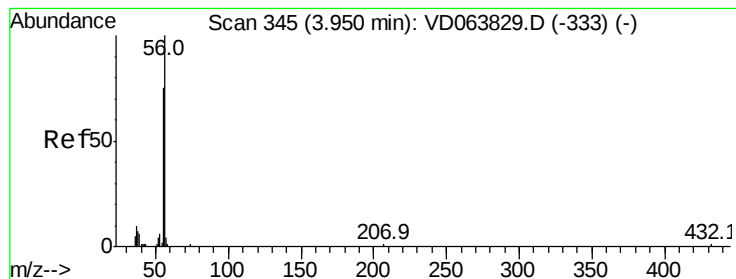
Tot Ion: 59 Resp: 5822
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 5.833 ug/l
RT: 4.08 min Scan# 367
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 96 Resp: 12128
Ion Ratio Lower Upper
96 100
61 118.2 129.0 193.4#
98 52.7 47.8 71.6





#13

Acrolein

Concen: 13.247 ug/l

RT: 3.94 min Scan# 343

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

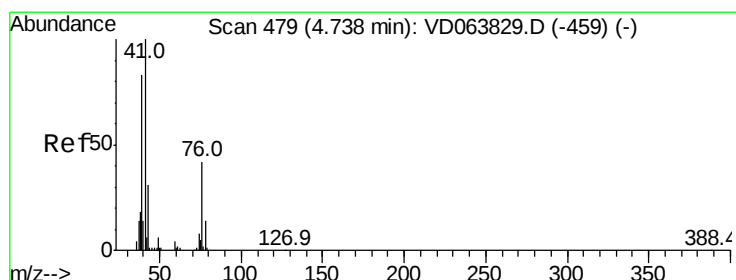
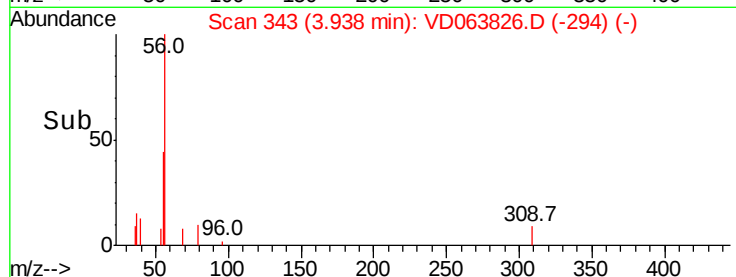
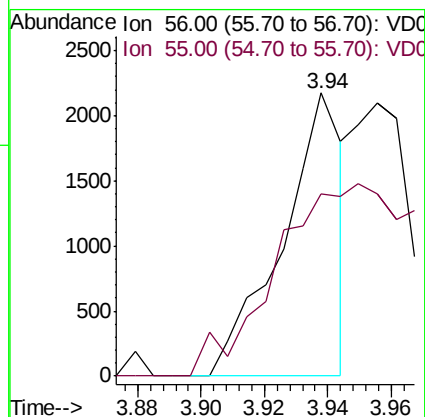
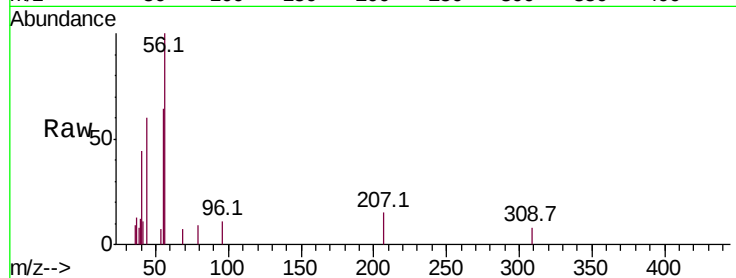
ClientSampleId :

Tot Ion: 56 Resp: 2865

Ion Ratio Lower Upper

56 100

55 162.4 55.0 82.6#



#14

Allyl chloride

Concen: 5.960 ug/l

RT: 4.73 min Scan# 478

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

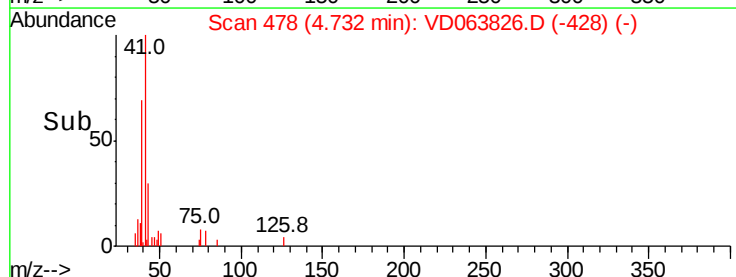
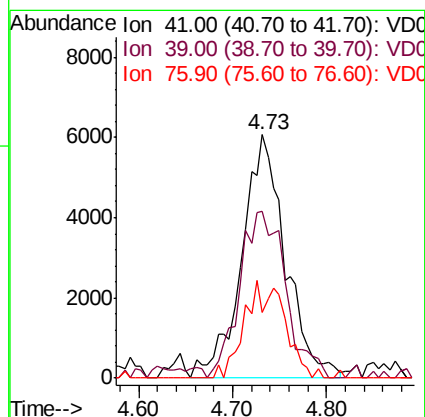
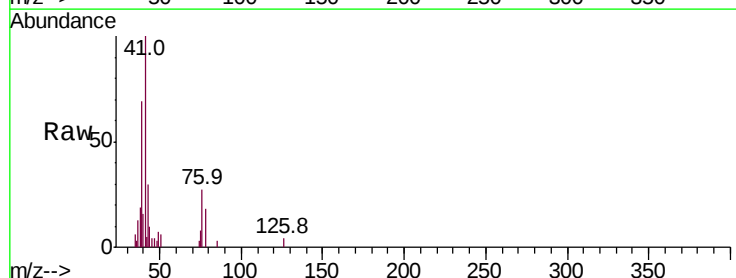
Tgt Ion: 41 Resp: 19587

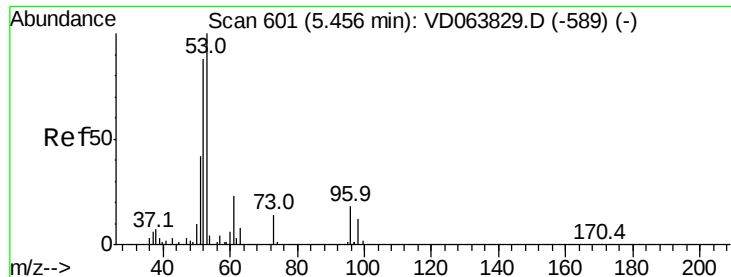
Ion Ratio Lower Upper

41 100

39 72.2 63.7 95.5

76 17.8 33.5 50.3#





#15

Acrylonitrile

Concen: 28.304 ug/l

RT: 5.45 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

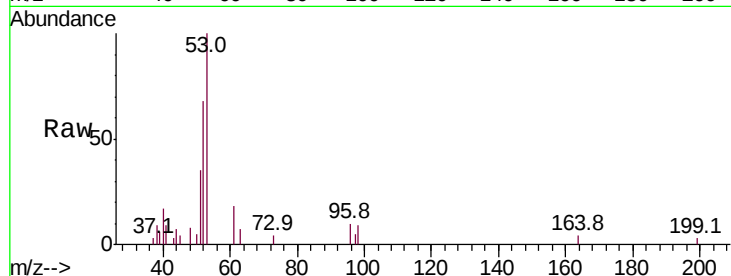
Tot Ion: 53 Resp: 14157

Ion Ratio Lower Upper

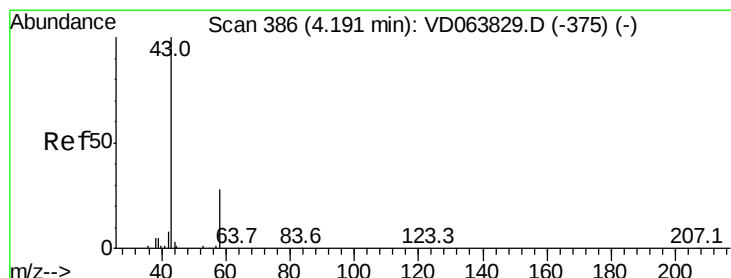
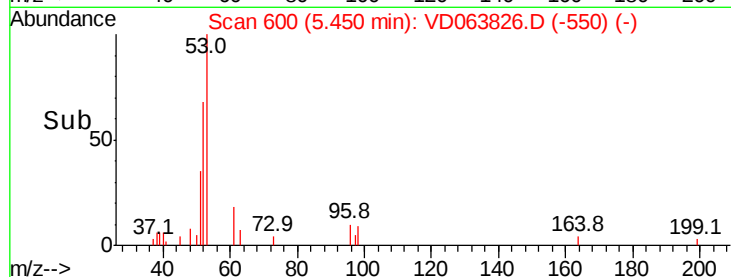
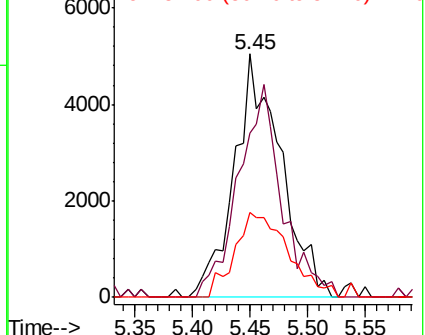
53 100

52 81.3 68.7 103.1

51 39.8 30.7 46.1



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: 31.561 ug/l

RT: 4.18 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD063826.D

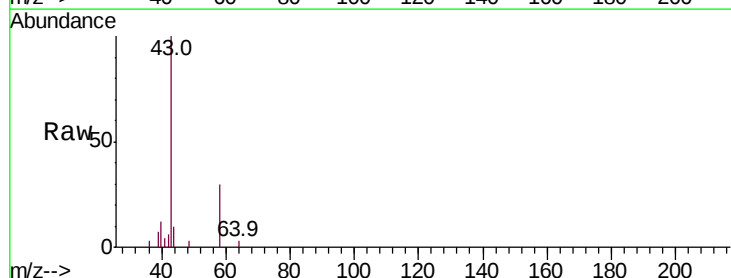
Acq: 25 Sep 2019 16:58

Tgt Ion: 43 Resp: 16243

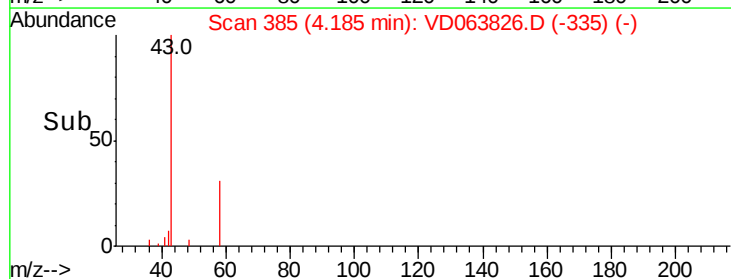
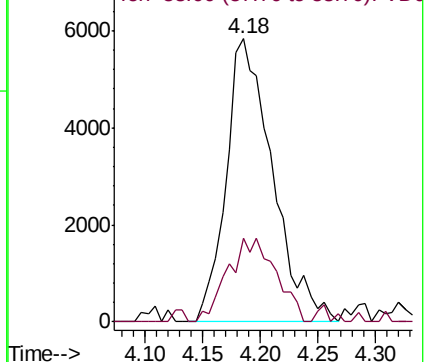
Ion Ratio Lower Upper

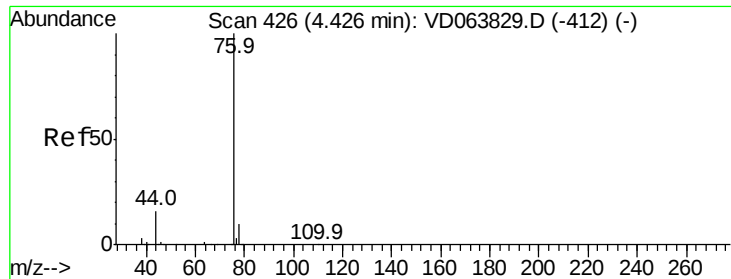
43 100

58 29.6 22.6 34.0



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





#17

Carbon Disulfide

Concen: 5.360 ug/l

RT: 4.43 min Scan# 426

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

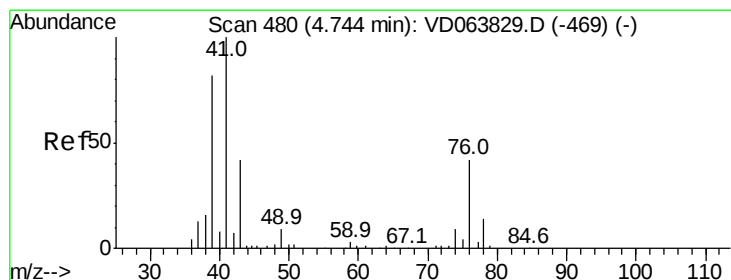
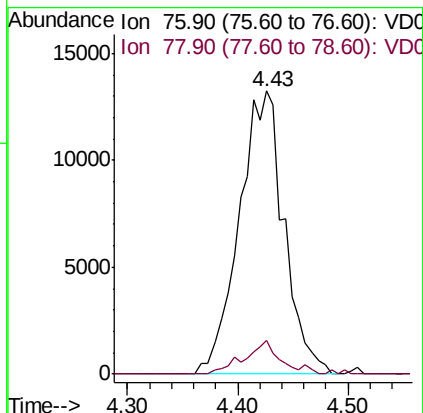
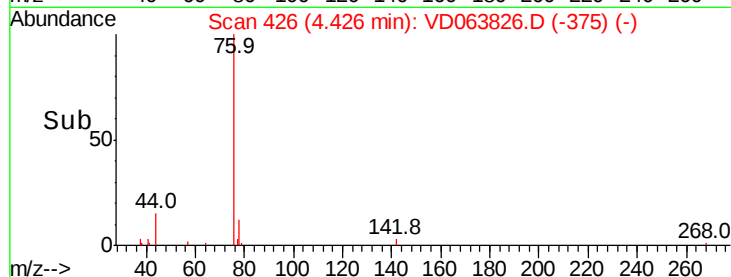
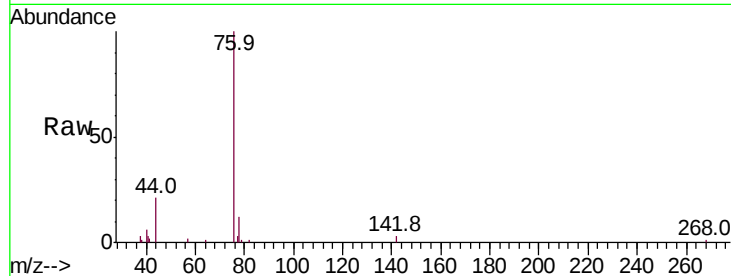
ClientSampled :

Tot Ion: 76 Resp: 37674

Ion Ratio Lower Upper

76 100

78 11.9 7.9 11.9#



#18

Methyl Acetate

Concen: 6.627 ug/l

RT: 4.75 min Scan# 481

Delta R.T. 0.01 min

Lab File: VD063826.D

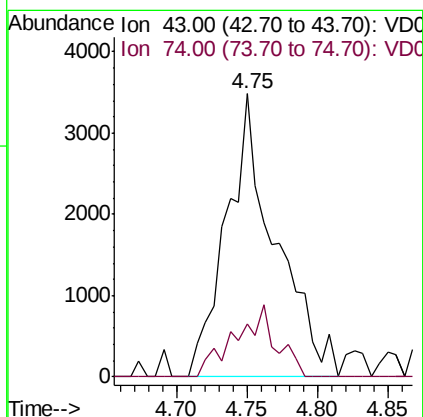
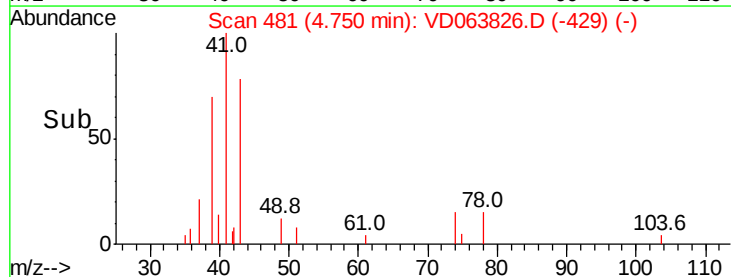
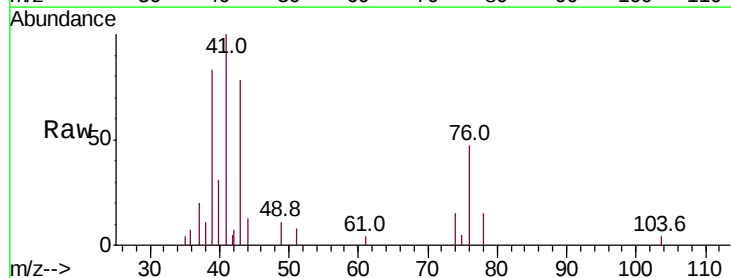
Acq: 25 Sep 2019 16:58

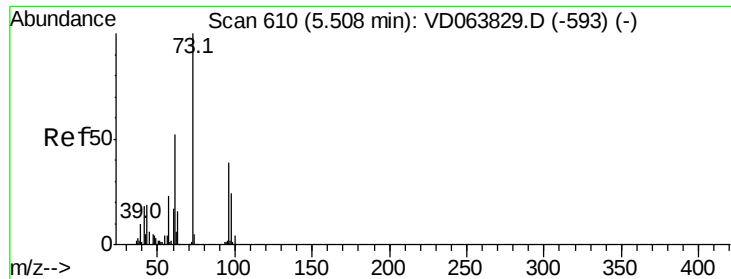
Tgt Ion: 43 Resp: 8398

Ion Ratio Lower Upper

43 100

74 21.4 18.6 28.0

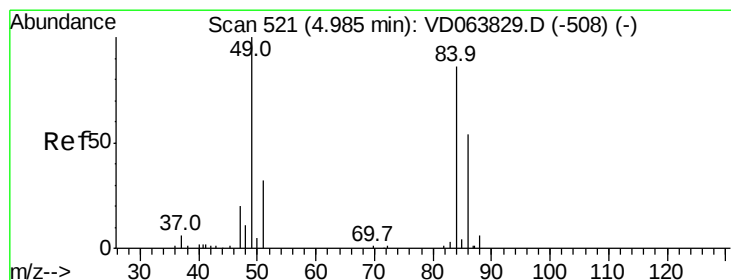
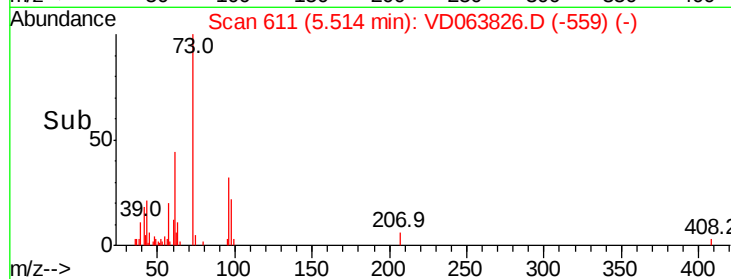
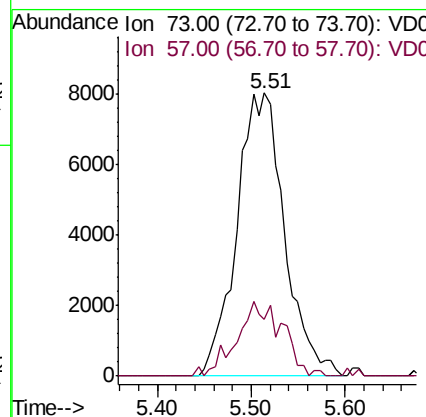
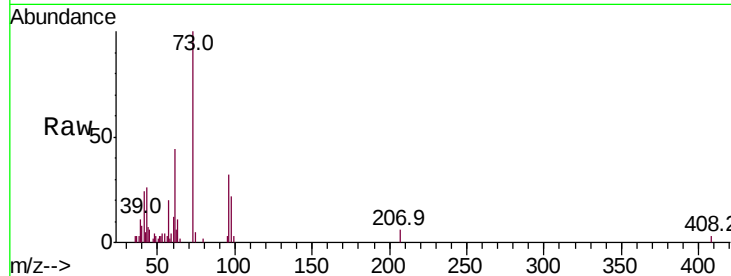




#19
Methvl tert-butvl Ether
Concen: 5.443 ug/l
RT: 5.51 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

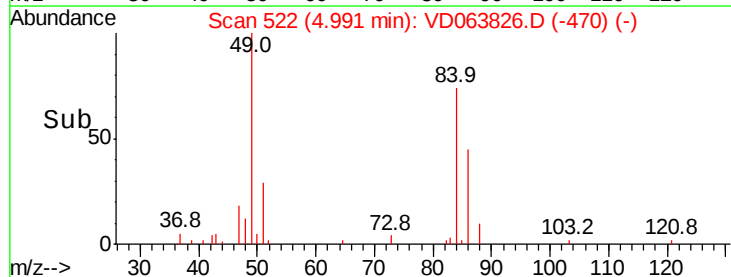
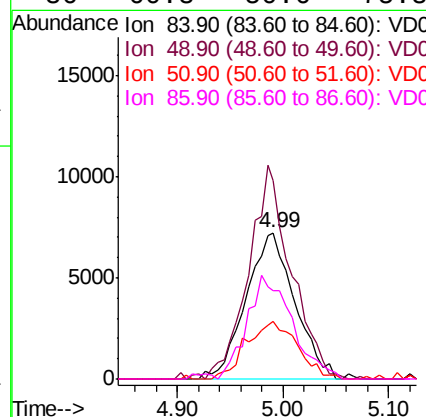
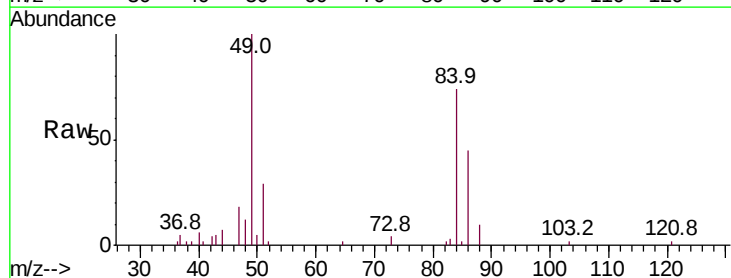
Instrument :
MSVOA_D
ClientSampleId :

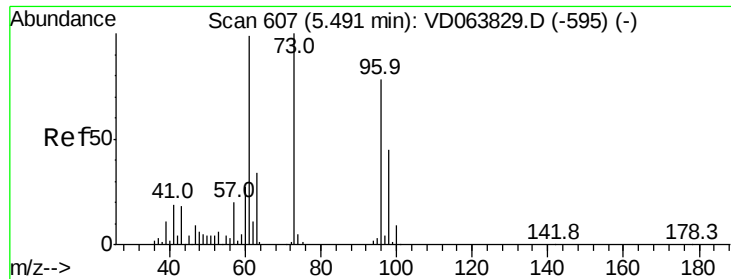
Tot Ion: 73 Resp: 28334
Ion Ratio Lower Upper
73 100
57 20.0 18.7 28.1



#20
Methylene Chloride
Concen: 7.482 ug/l
RT: 4.99 min Scan# 522
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 84 Resp: 23168
Ion Ratio Lower Upper
84 100
49 133.7 93.6 140.4
51 39.8 29.8 44.6
86 60.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 5.615 ug/l

RT: 5.50 min Scan# 608

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

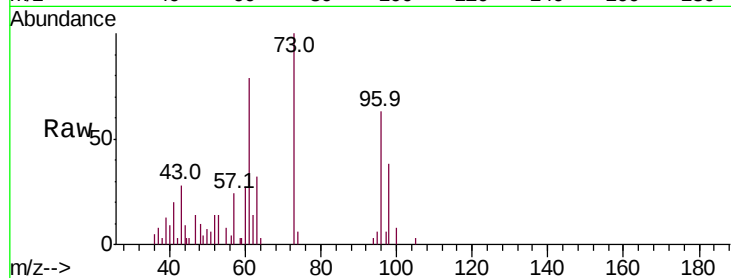
Tot Ion: 96 Resp: 13590

Ion Ratio Lower Upper

96 100

61 125.6 101.3 151.9

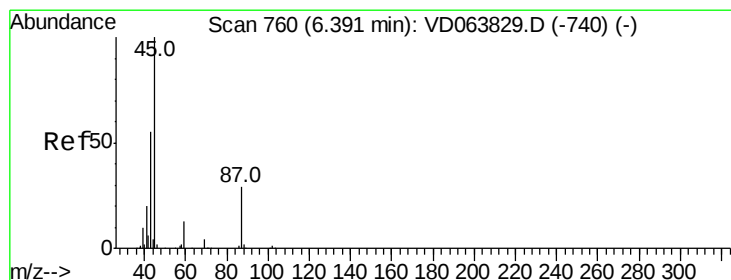
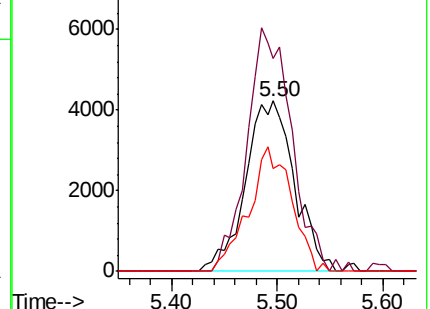
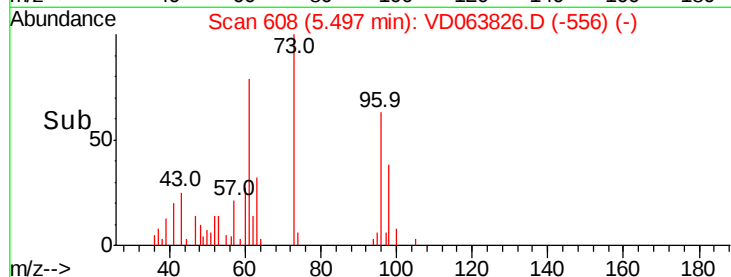
98 60.5 45.4 68.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 5.891 ug/l

RT: 6.39 min Scan# 760

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Tgt Ion: 45 Resp: 39991

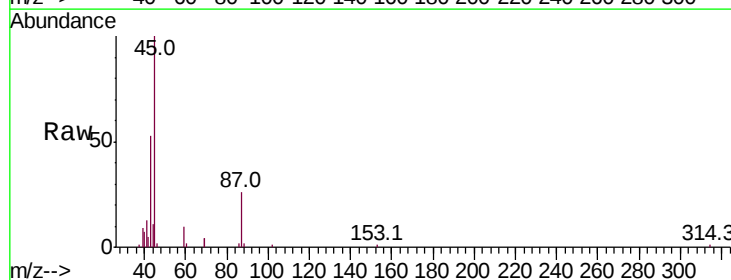
Ion Ratio Lower Upper

45 100

43 50.5 44.2 66.2

87 25.5 23.9 35.9

59 10.2 10.0 15.0

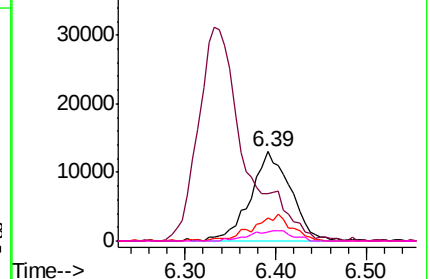
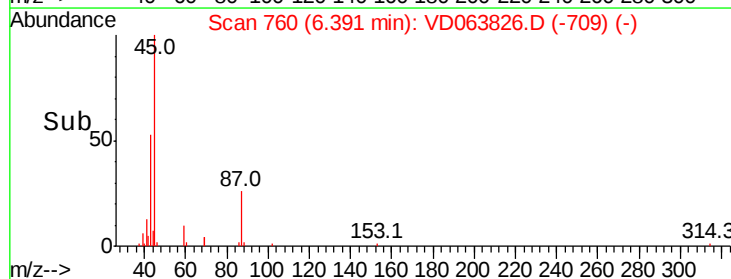


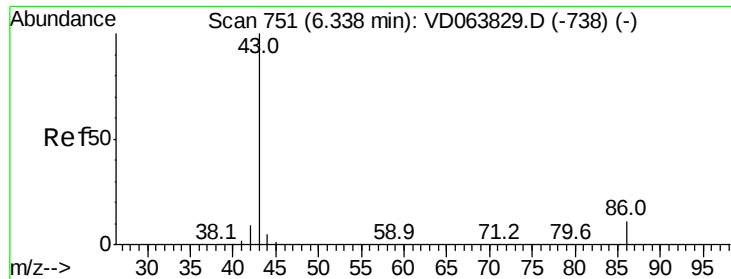
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 27.552 ug/l

RT: 6.33 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

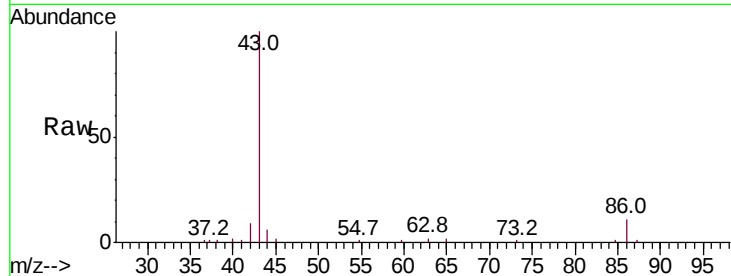
ClientSampleId :

Tot Ion: 43 Resp: 110619

Ion Ratio Lower Upper

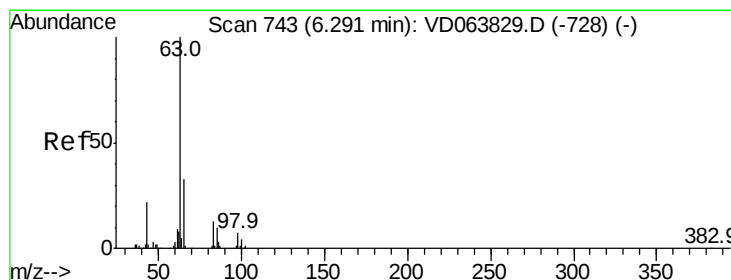
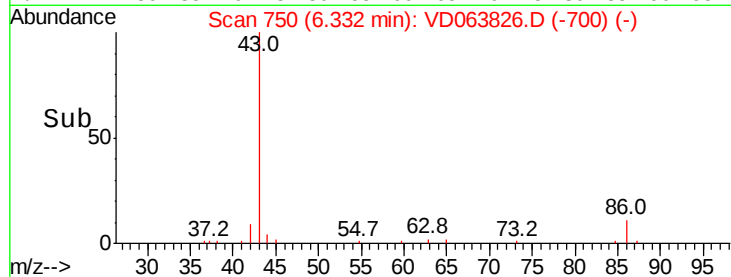
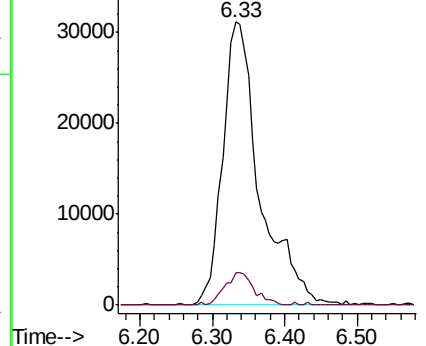
43 100

86 11.3 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.612 ug/l

RT: 6.30 min Scan# 744

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

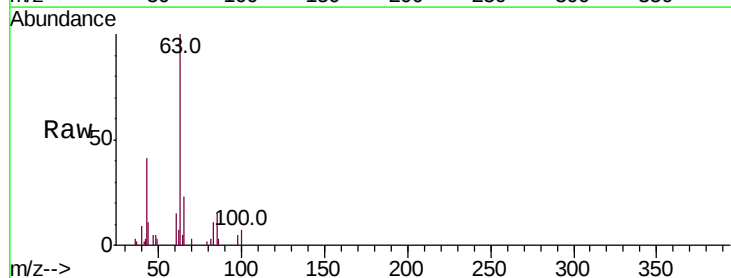
Tgt Ion: 63 Resp: 23145

Ion Ratio Lower Upper

63 100

98 5.4 3.5 10.5

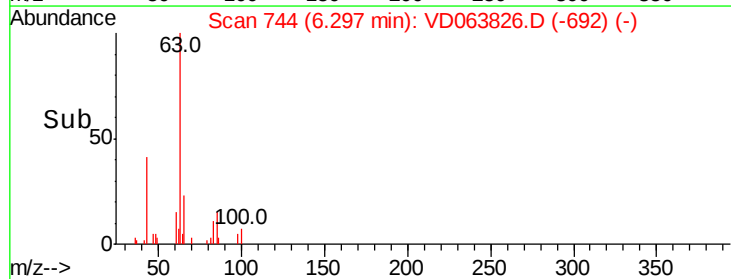
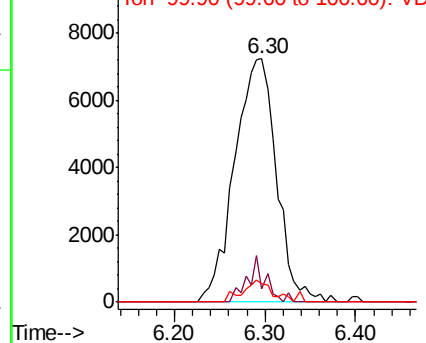
100 7.3 2.0 6.0#

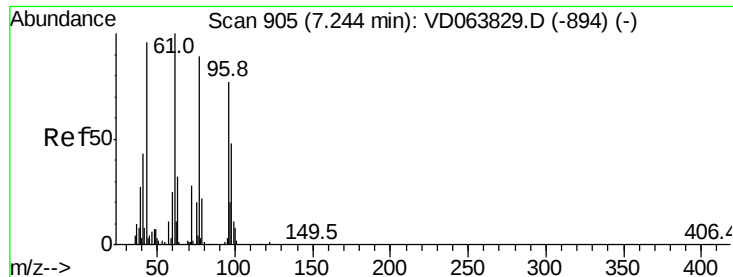


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 29.773 ug/l

RT: 7.26 min Scan# 907

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

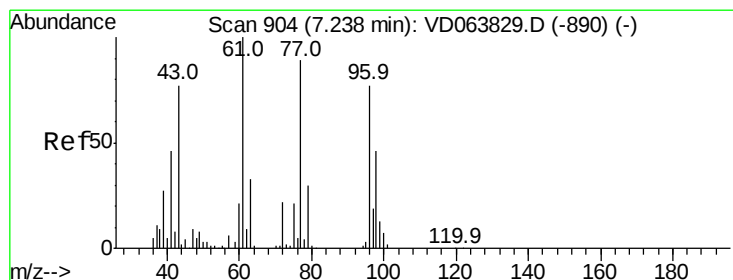
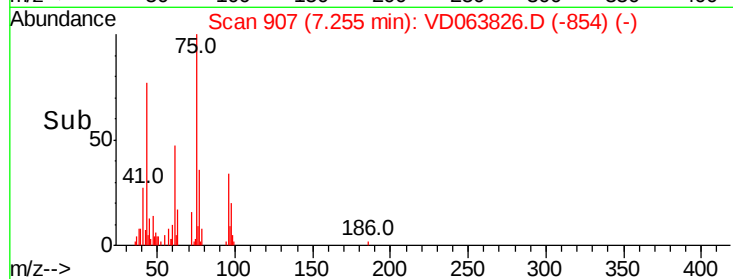
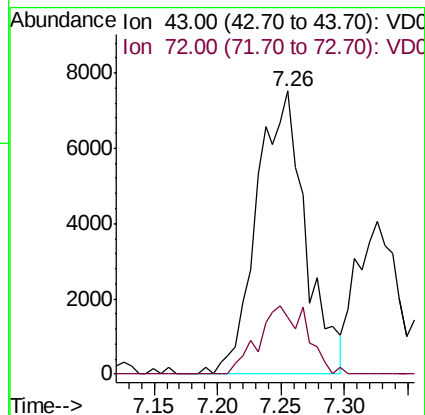
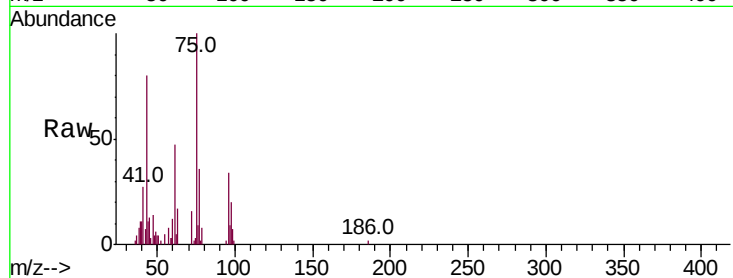
ClientSampleId :

Tot Ion: 43 Resp: 20032

Ion Ratio Lower Upper

43 100

72 20.1 23.5 35.3#



#26

2,2-Dichloropropane

Concen: 5.949 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD063826.D

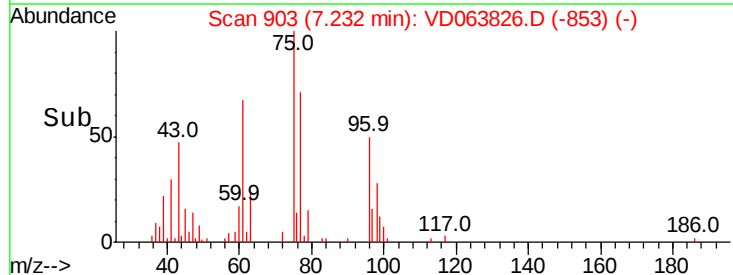
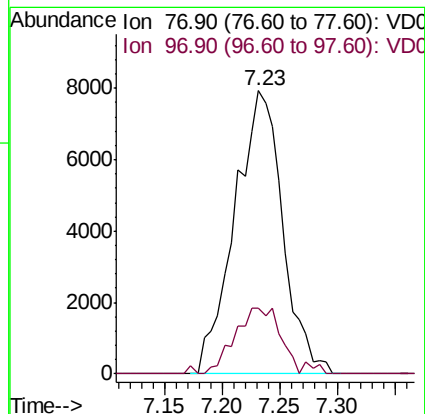
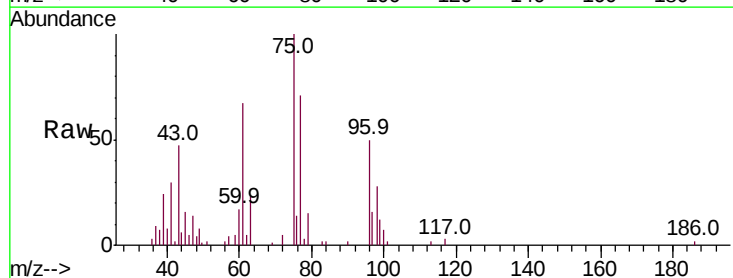
Acq: 25 Sep 2019 16:58

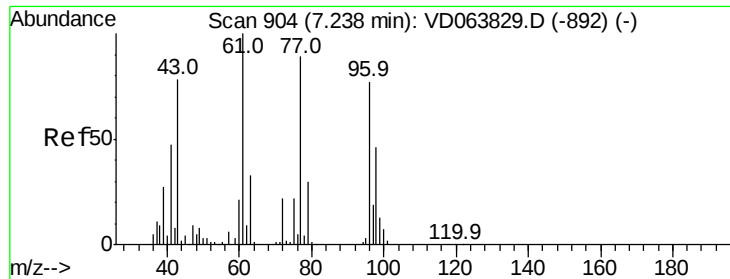
Tgt Ion: 77 Resp: 22943

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.7



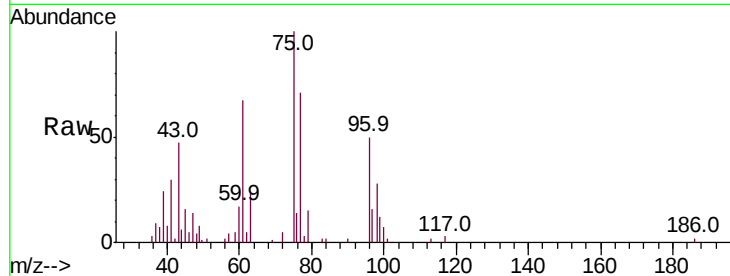


#27

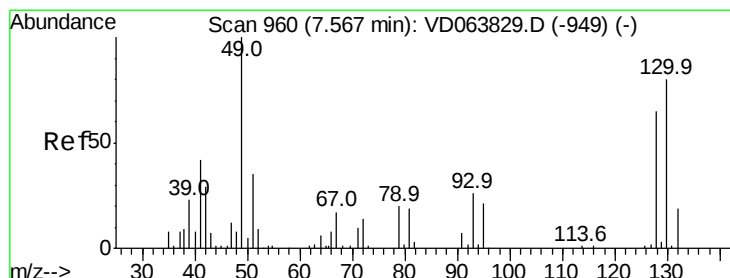
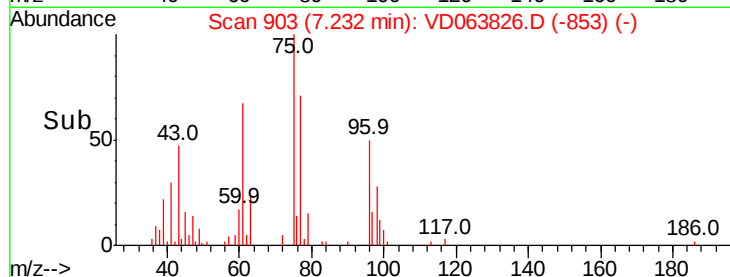
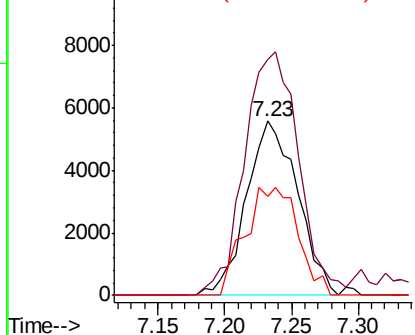
cis-1,2-Dichloroethene
Concen: 5.451 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 14804
Ion Ratio Lower Upper
96 100
61 148.0 0.0 275.6
98 64.2 0.0 130.2



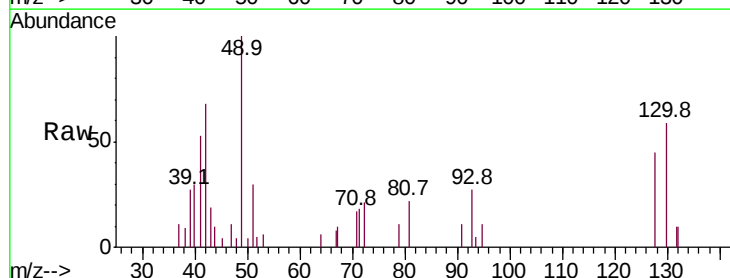
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



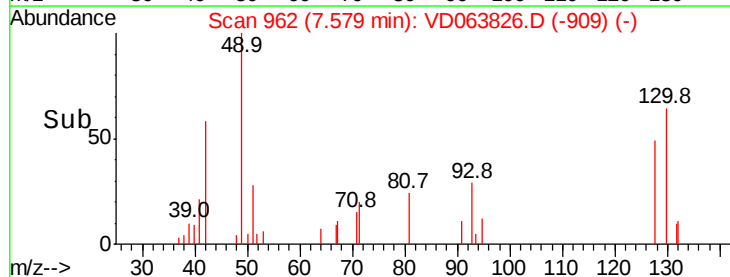
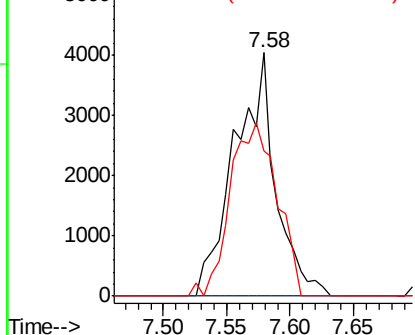
#28

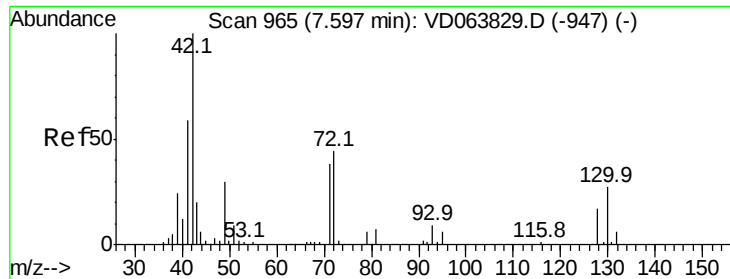
Bromochloromethane
Concen: 5.622 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 49 Resp: 9097
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.6
130 80.9 67.0 100.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 28.761 ug/l

RT: 7.60 min Scan# 965

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :

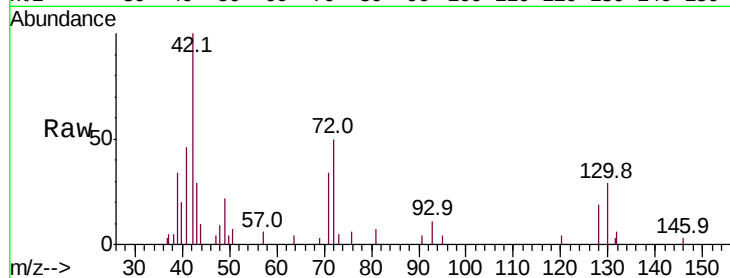
Tot Ion: 42 Resp: 11595

Ion Ratio Lower Upper

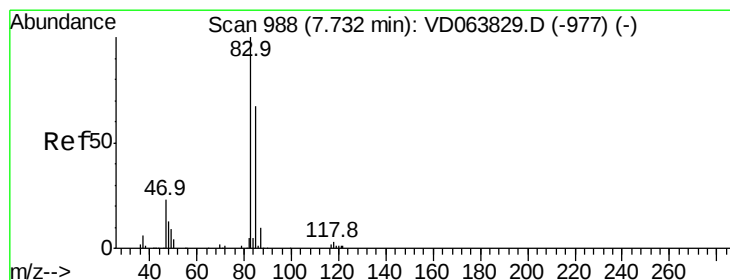
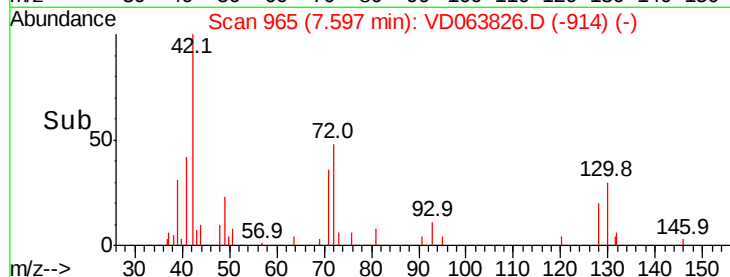
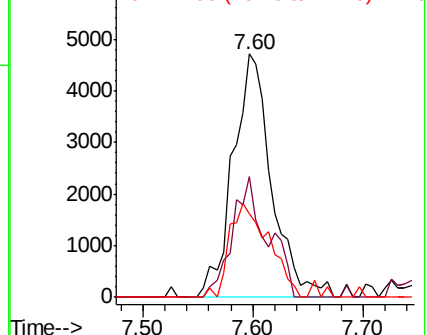
42 100

72 45.0 37.3 55.9

71 39.5 33.4 50.2



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: 5.597 ug/l

RT: 7.74 min Scan# 989

Delta R.T. 0.01 min

Lab File: VD063826.D

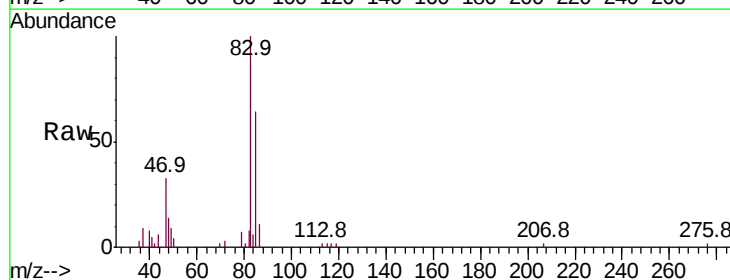
Acq: 25 Sep 2019 16:58

Tgt Ion: 83 Resp: 25069

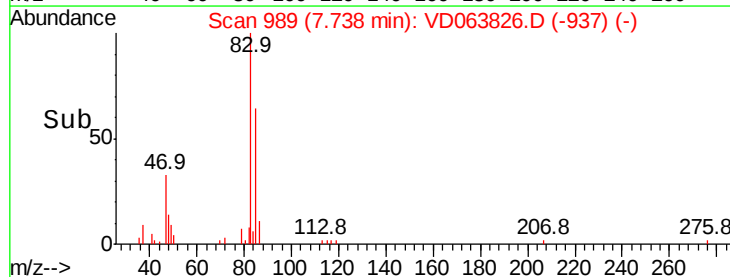
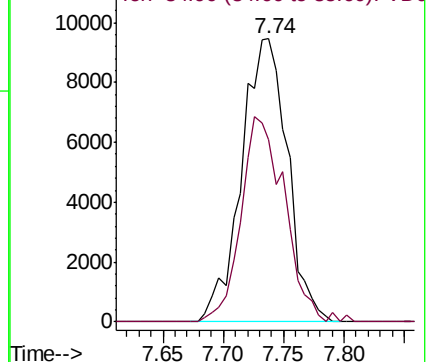
Ion Ratio Lower Upper

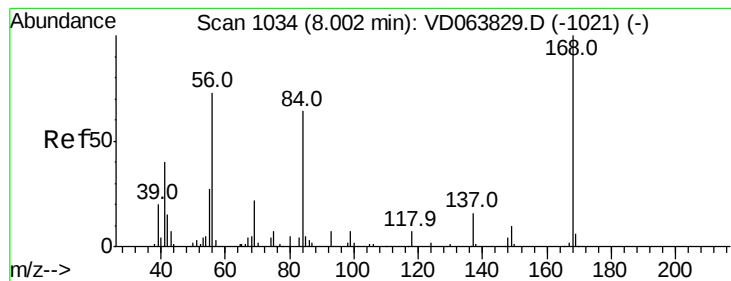
83 100

85 64.3 53.4 80.2



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





#31

Cyclohexane

Concen: 6.282 ug/l

RT: 8.01 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampled :

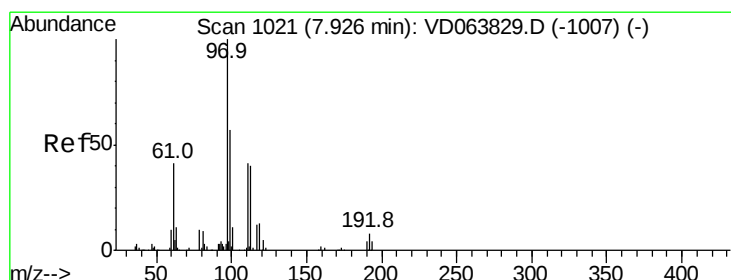
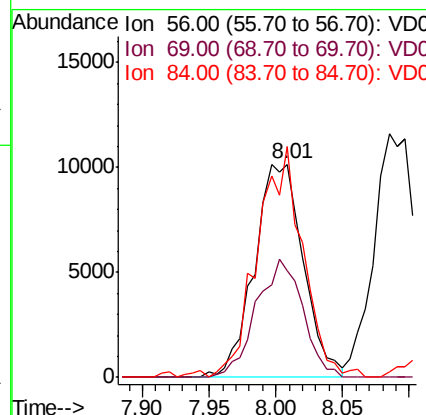
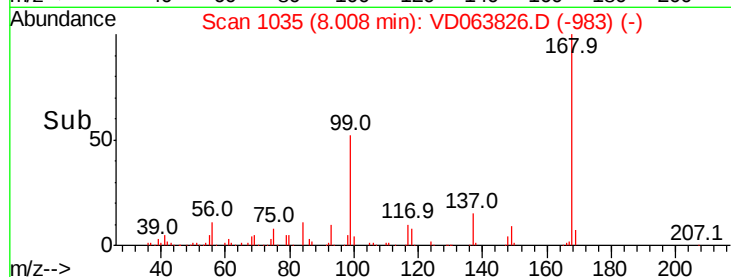
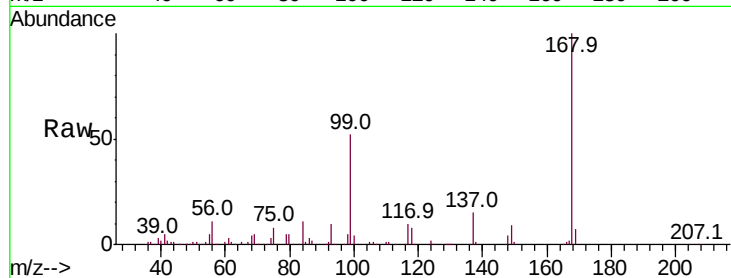
Tot Ion: 56 Resp: 25862

Ion Ratio Lower Upper

56 100

69 50.3 23.1 34.7#

84 106.6 69.7 104.5#



#32

1,1,1-Trichloroethane

Concen: 5.546 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

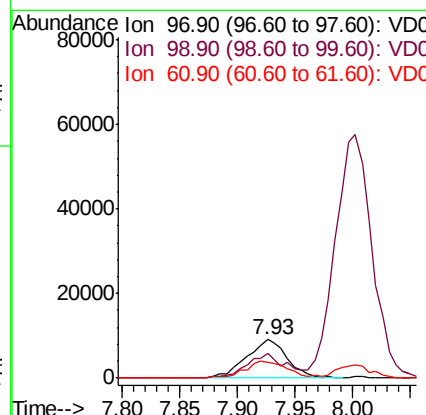
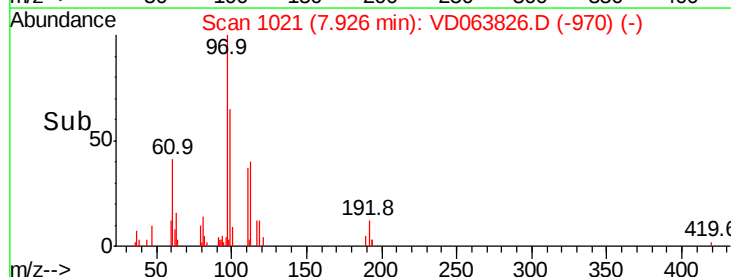
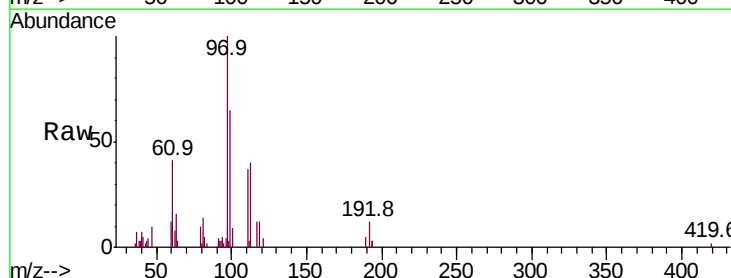
Tgt Ion: 97 Resp: 22462

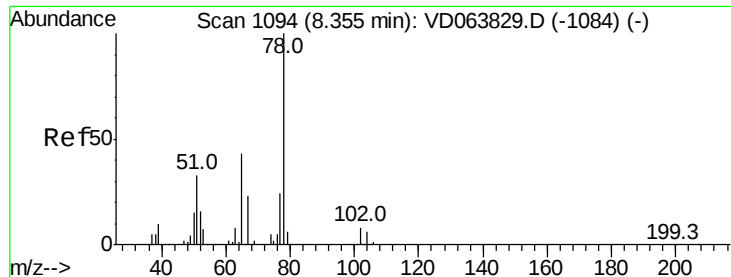
Ion Ratio Lower Upper

97 100

99 62.4 52.9 79.3

61 44.6 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 5.112 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

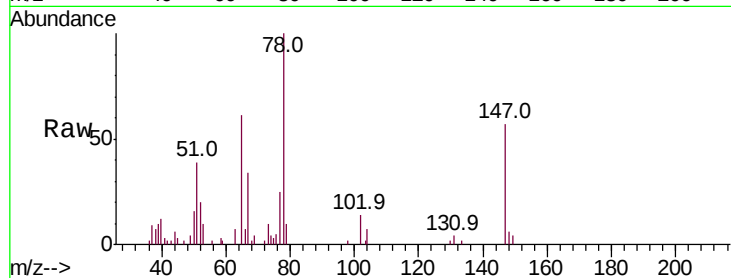
ClientSampleId :

Tot Ion: 65 Resp: 11721

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.35

6000

5000

4000

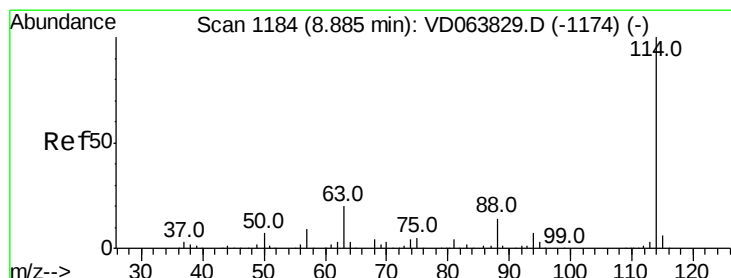
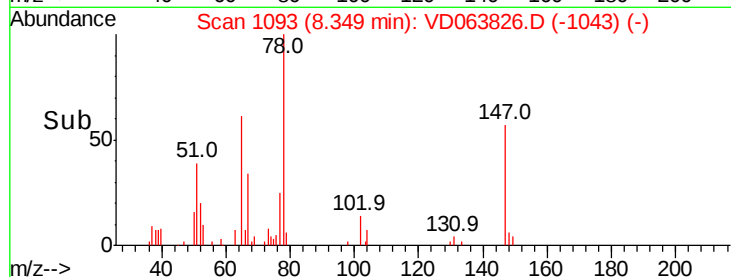
3000

2000

1000

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.88 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

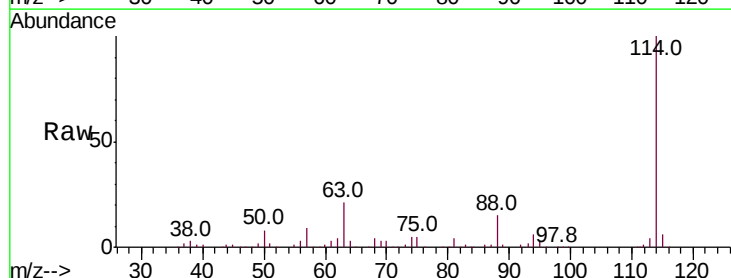
Tgt Ion: 114 Resp: 386687

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.2

88 14.8 0.0 28.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

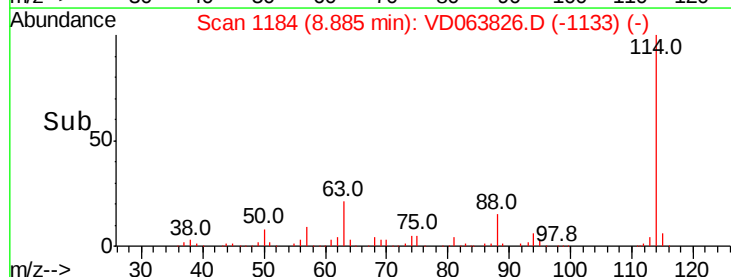
150000

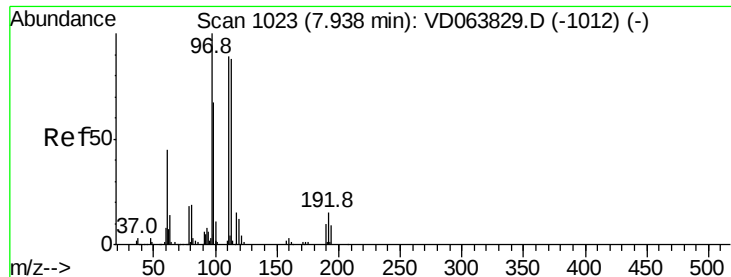
100000

50000

0

Time--> 8.80 8.85 8.90 8.95 9.00

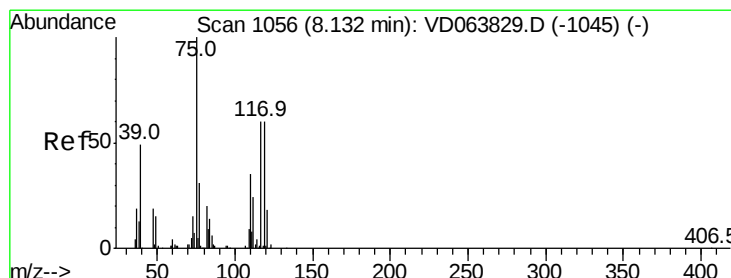
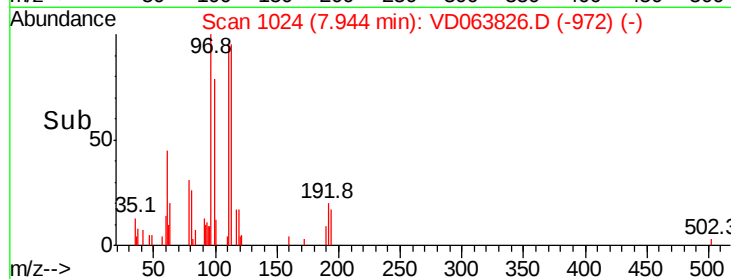
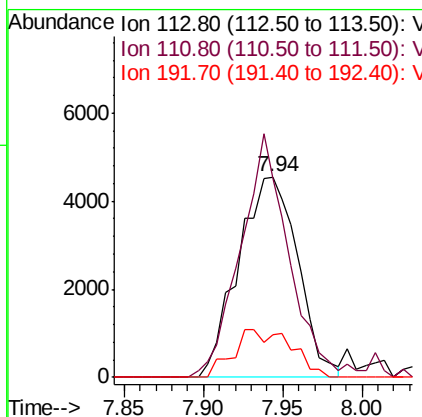
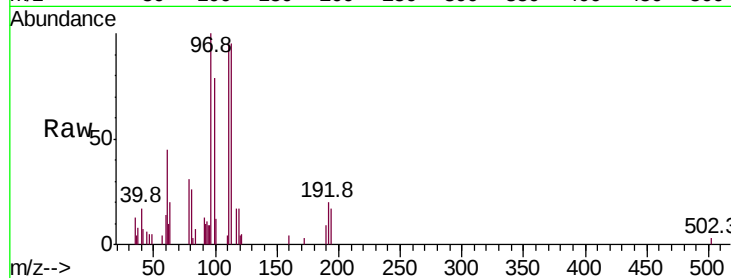




#35
 Dibromofluoromethane
 Concen: 4.837 ug/l
 RT: 7.94 min Scan# 1024
 Delta R.T. 0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

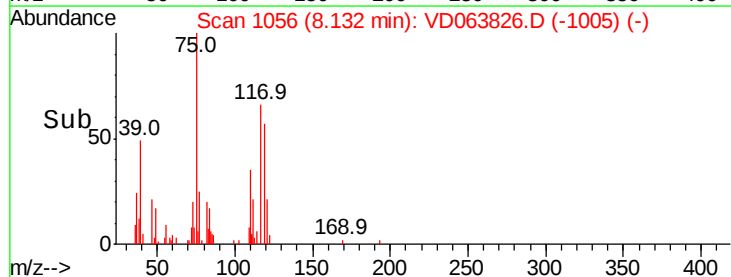
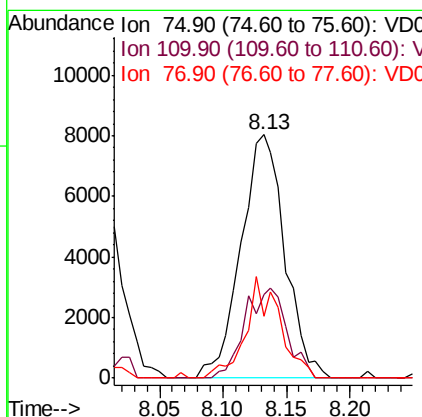
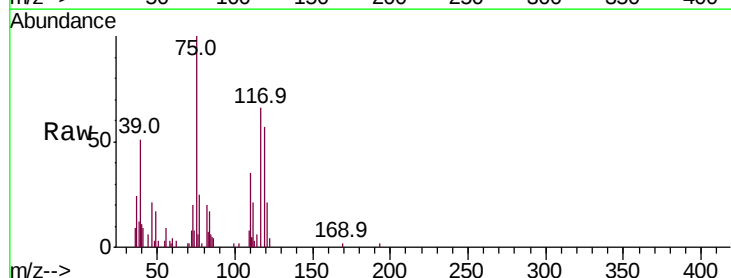
Instrument :
 MSVOA_D
 ClientSampleId :

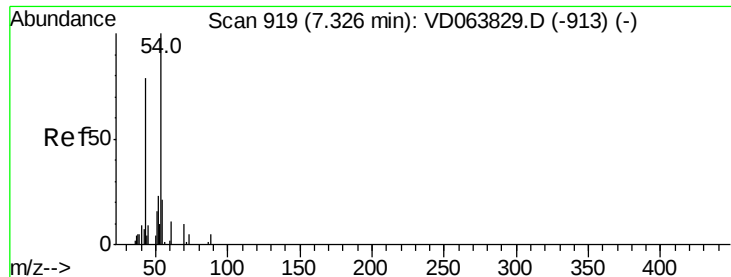
Tot Ion:113 Resp: 11873
 Ion Ratio Lower Upper
 113 100
 111 98.8 77.7 116.5
 192 23.3 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 5.476 ug/l
 RT: 8.13 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion: 75 Resp: 19314
 Ion Ratio Lower Upper
 75 100
 110 35.5 17.5 52.5
 77 32.0 24.9 37.3

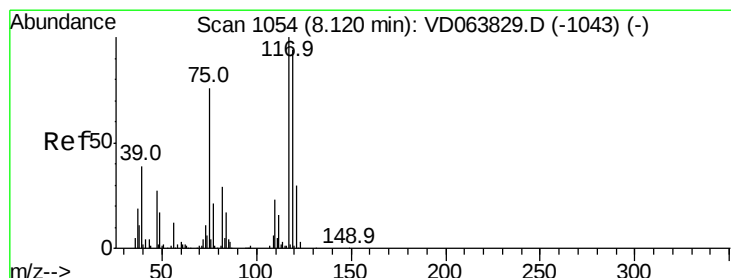
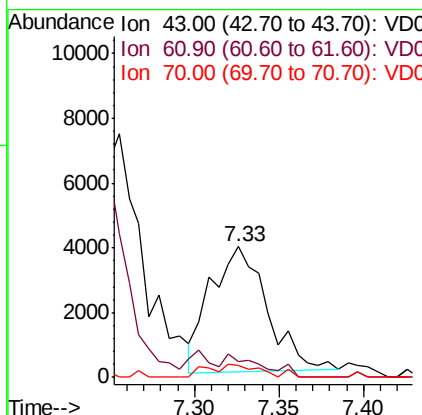
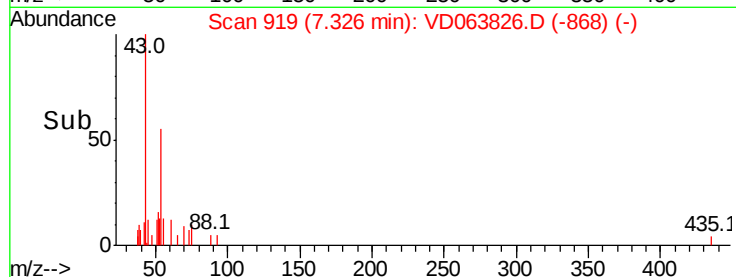
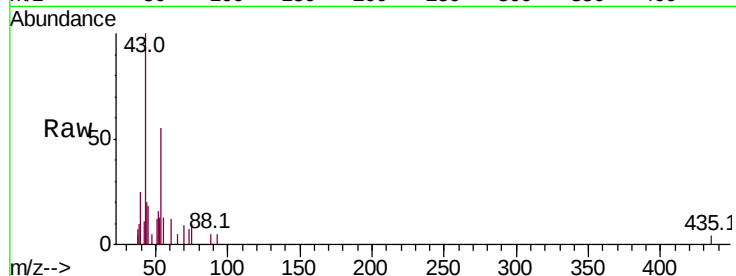




#37
Ethyl Acetate
Concen: 6.136 ug/l
RT: 7.33 min Scan# 919
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

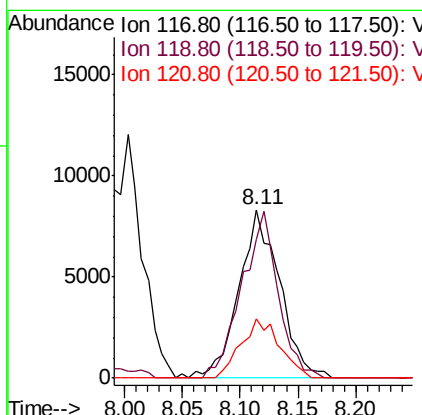
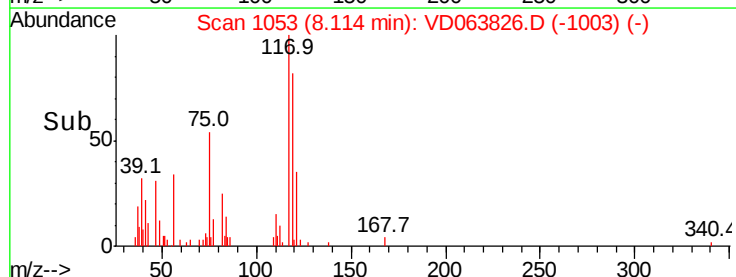
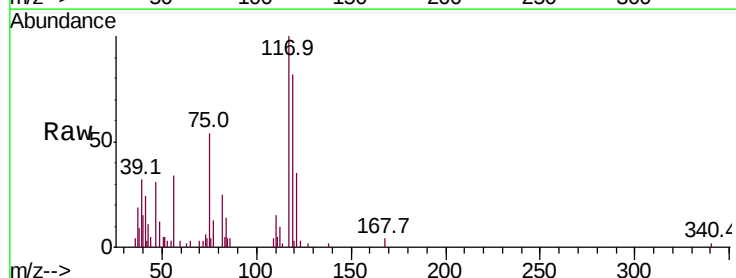
Instrument :
MSVOA_D
ClientSampled :

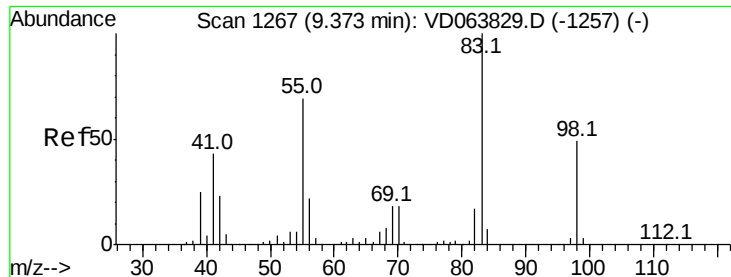
Tot Ion: 43 Resp: 9039
Ion Ratio Lower Upper
43 100
61 11.9 12.7 19.1#
70 8.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 5.543 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 117 Resp: 20351
Ion Ratio Lower Upper
117 100
119 82.5 75.2 112.8
121 35.3 23.9 35.9

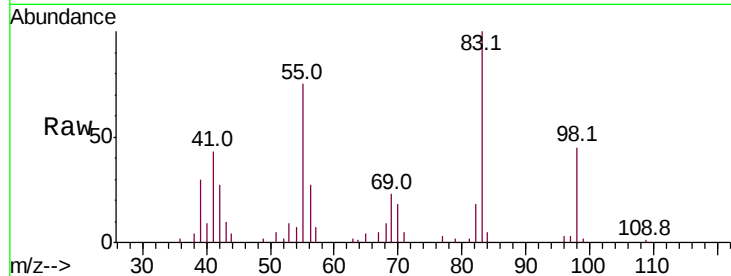




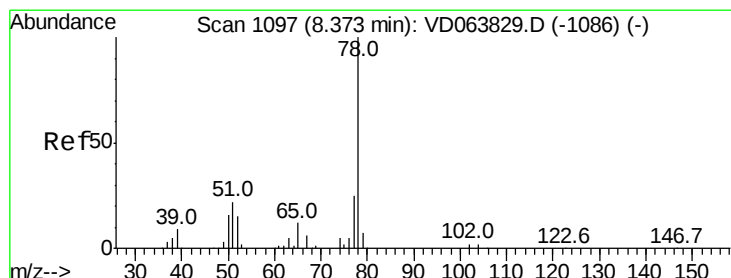
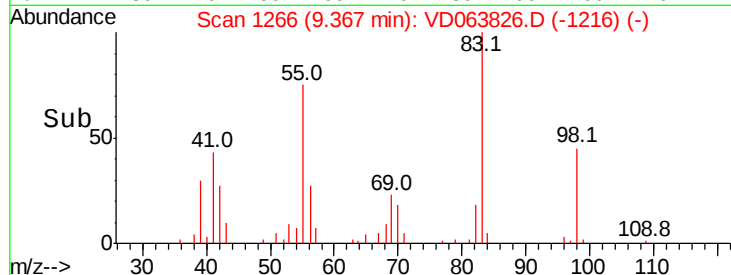
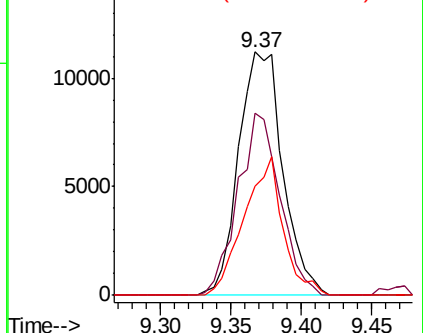
#39
Methvlcvclohexane
Concen: 5.620 ug/l
RT: 9.37 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 24682
Ion Ratio Lower Upper
83 100
55 74.6 54.9 82.3
98 45.0 39.0 58.6

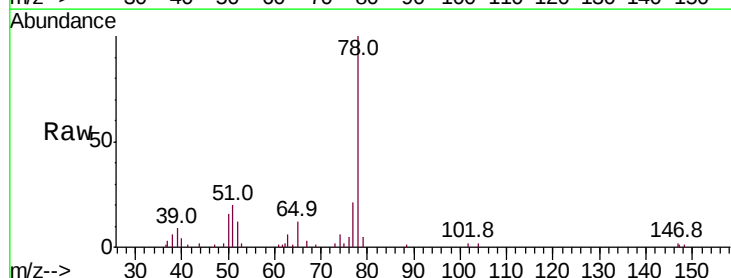


Abundance Ion 83.00 (82.70 to 83.70): VDC
15000 Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

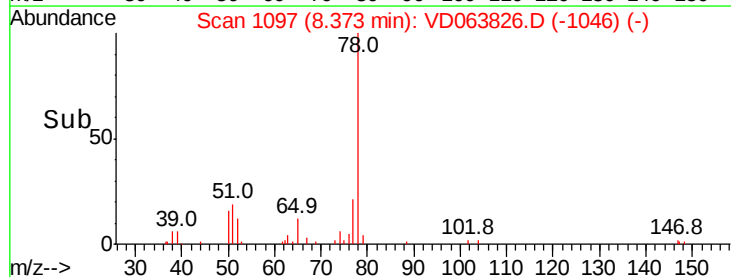
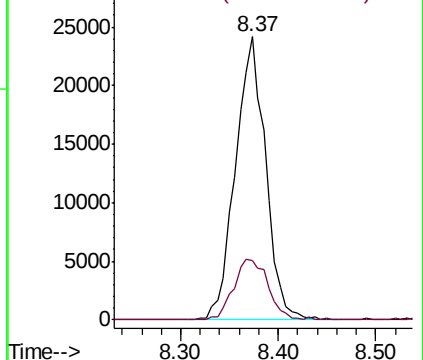


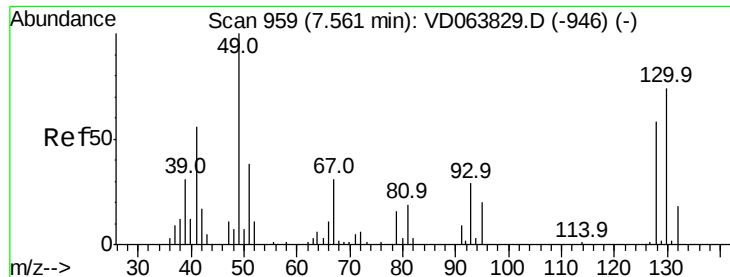
#40
Benzene
Concen: 5.374 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 78 Resp: 52201
Ion Ratio Lower Upper
78 100
77 20.8 19.8 29.6



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

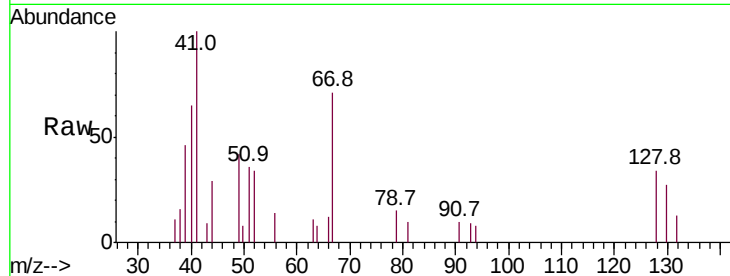




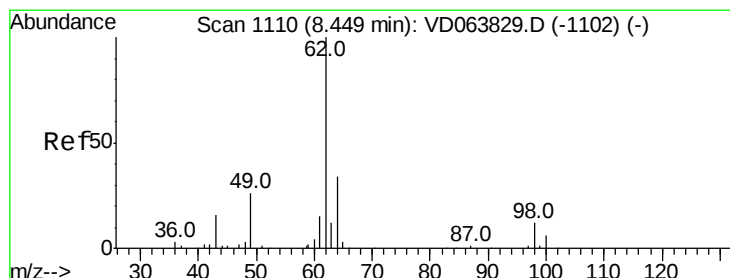
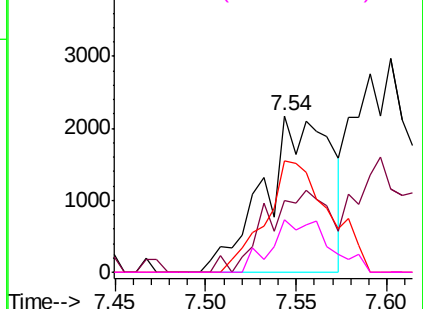
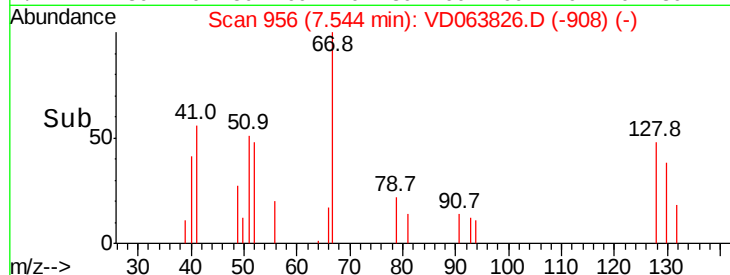
#41
Methacrylonitrile
Concen: 6.423 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.02 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 5588
Ion Ratio Lower Upper
41 100
39 50.2 52.2 78.4#
67 67.3 58.6 87.8
52 29.0 26.6 39.8

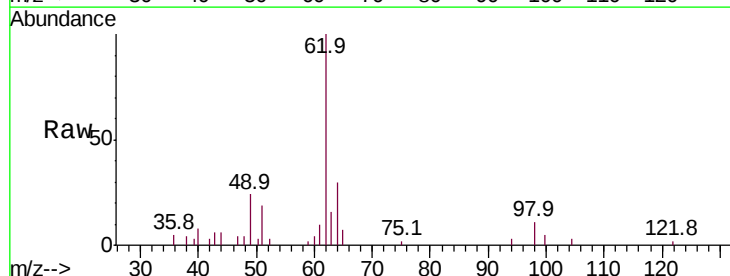


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

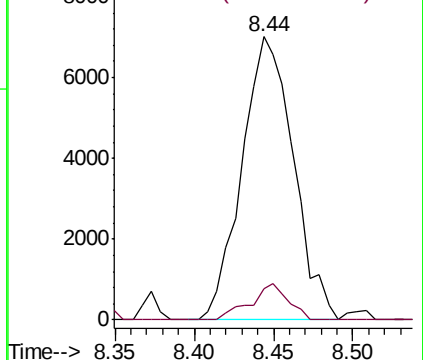
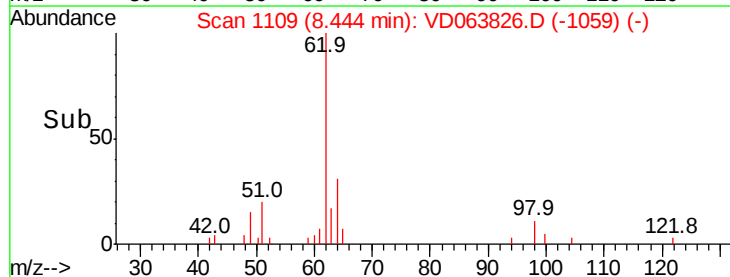


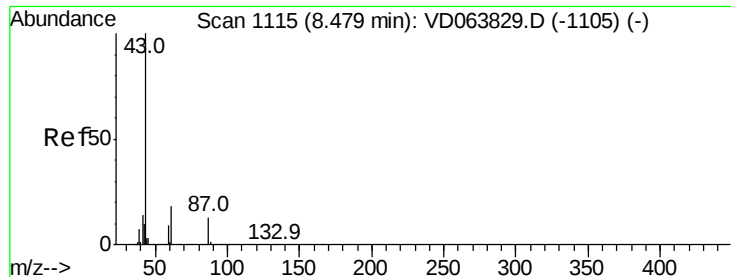
#42
1,2-Dichloroethane
Concen: 5.561 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 62 Resp: 15797
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 5.748 ug/l

RT: 8.48 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

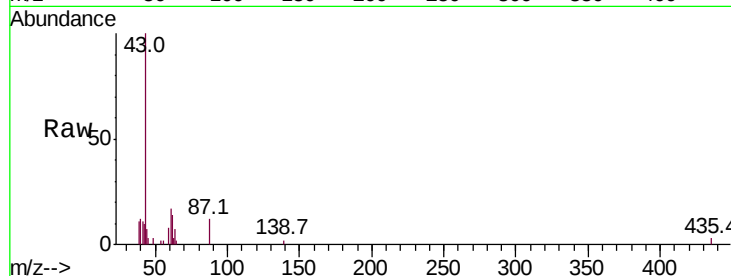
Tot Ion: 43 Resp: 16976

Ion Ratio Lower Upper

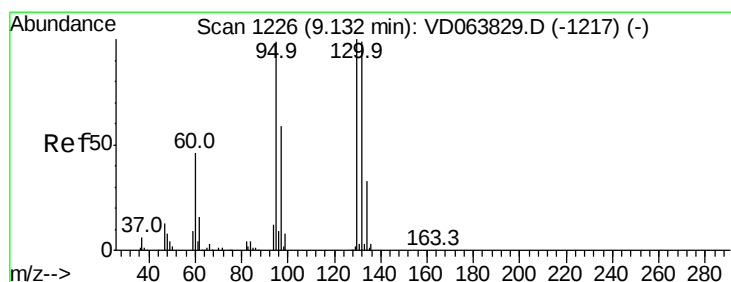
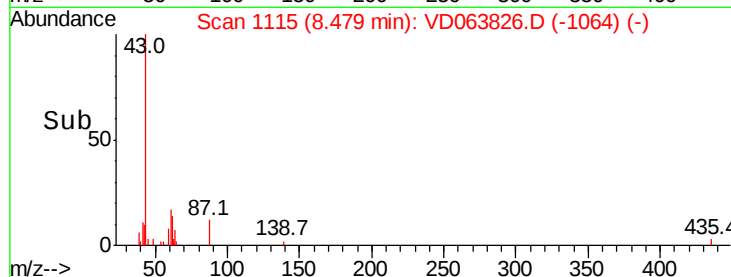
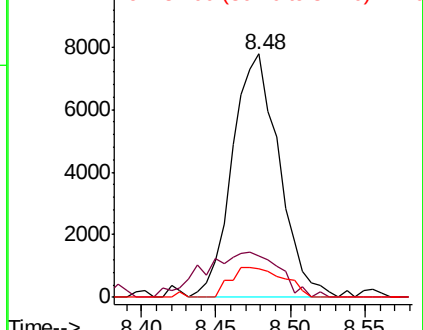
43 100

61 30.2 24.6 37.0

87 13.9 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 5.349 ug/l

RT: 9.13 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VD063826.D

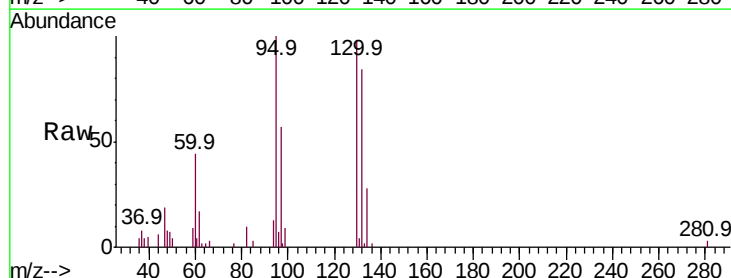
Acq: 25 Sep 2019 16:58

Tgt Ion:130 Resp: 15047

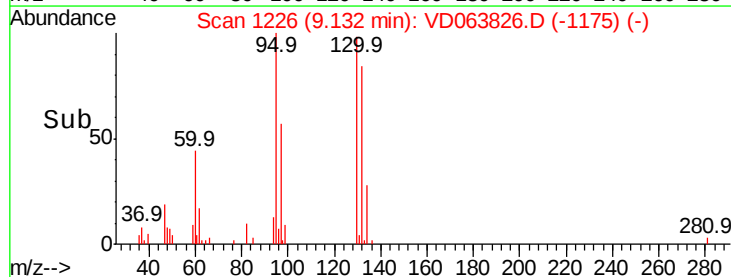
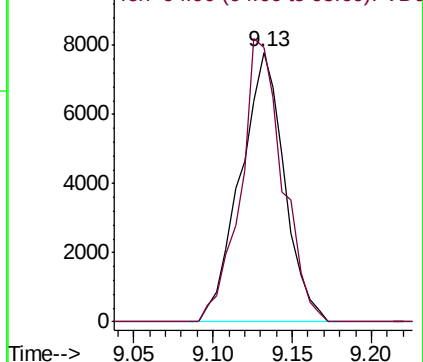
Ion Ratio Lower Upper

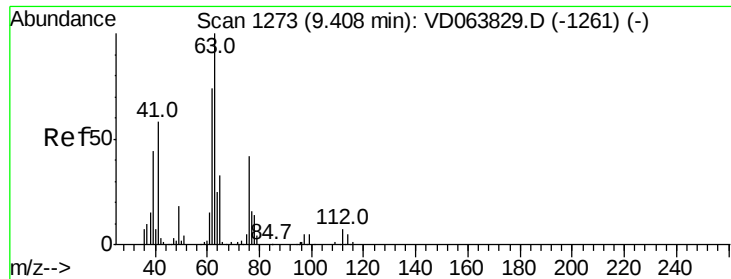
130 100

95 101.6 0.0 198.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.644 ug/l

RT: 9.41 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

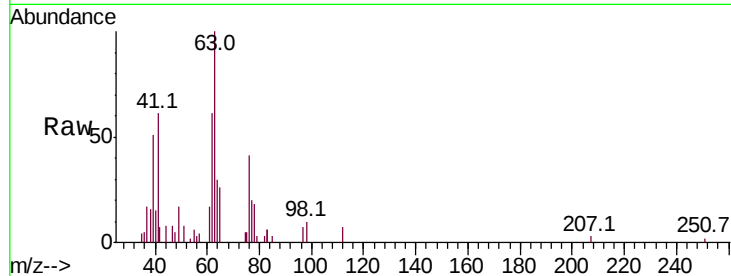
ClientSampleId :

Tot Ion: 63 Resp: 13544

Ion Ratio Lower Upper

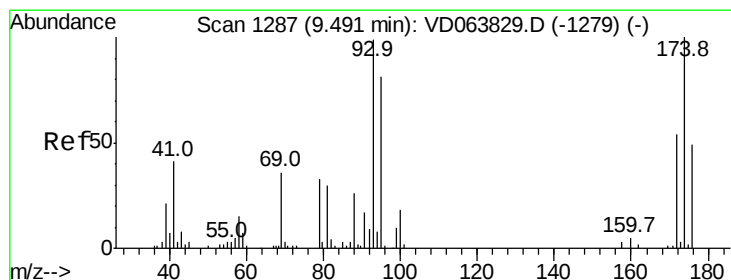
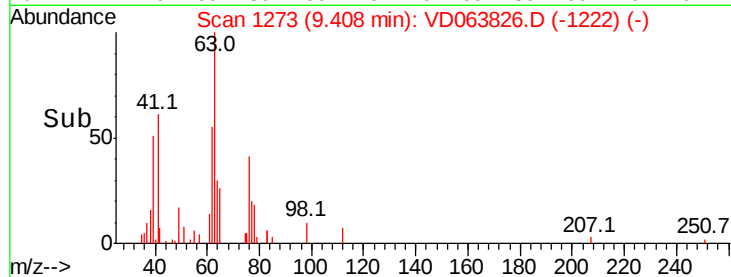
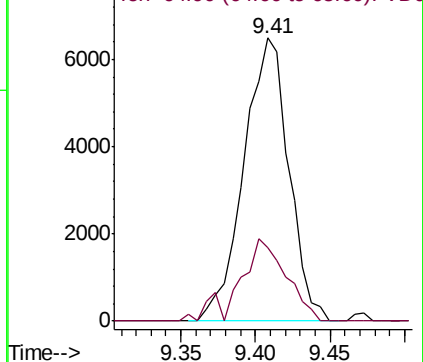
63 100

65 25.7 26.8 40.2#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 5.632 ug/l

RT: 9.50 min Scan# 1288

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

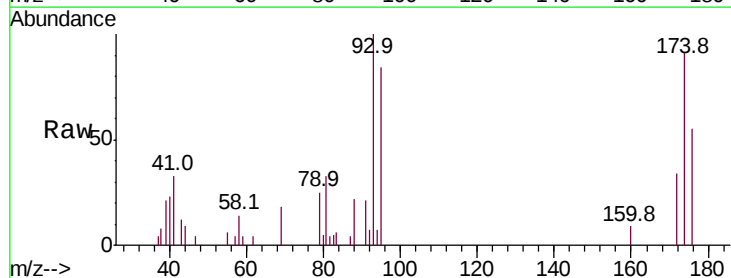
Tgt Ion: 93 Resp: 7628

Ion Ratio Lower Upper

93 100

95 76.8 63.8 95.8

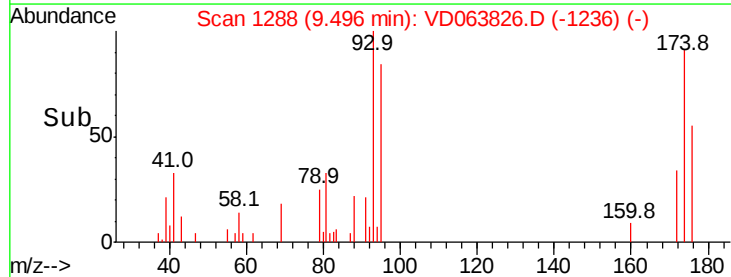
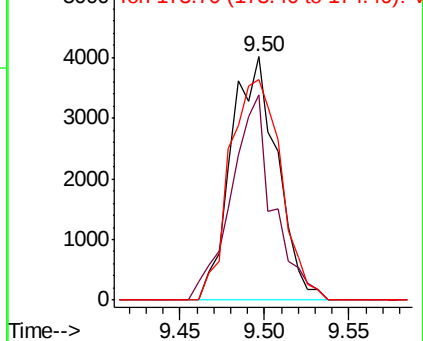
174 100.9 84.2 126.2

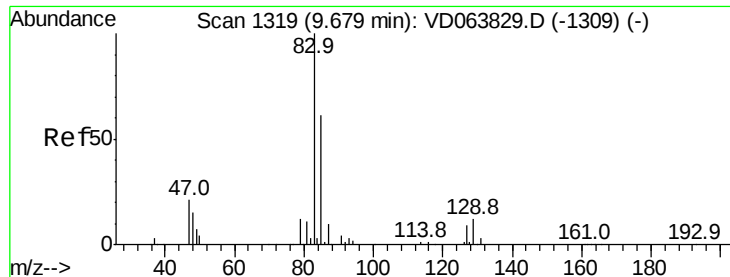


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.206 ug/l

RT: 9.68 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

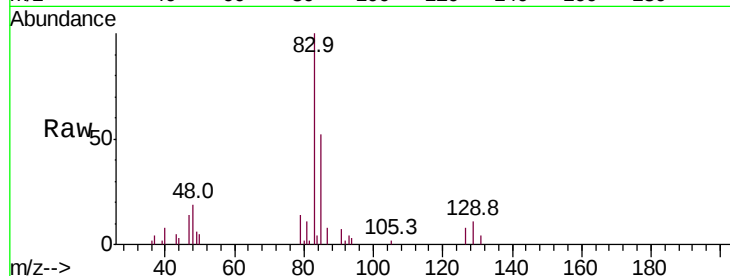
Tot Ion: 83 Resp: 18176

Ion Ratio Lower Upper

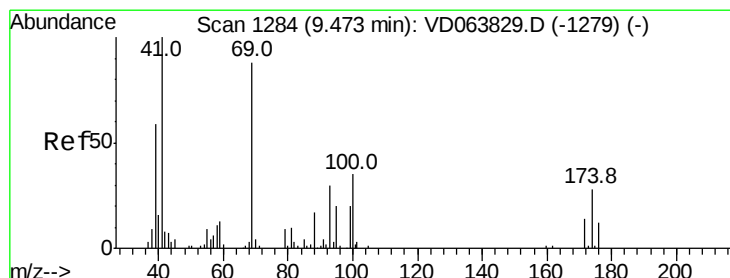
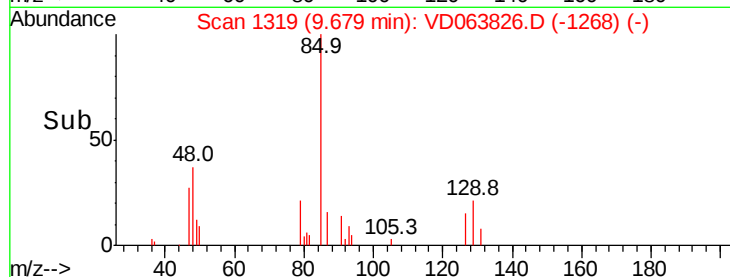
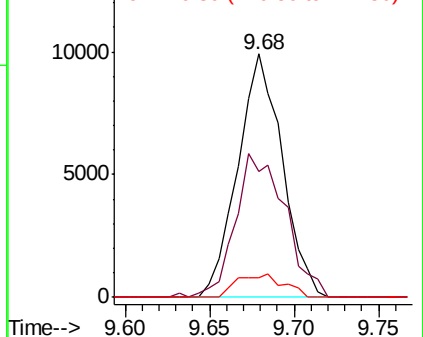
83 100

85 51.9 48.6 73.0

127 7.8 6.9 10.3



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



#48

Methyl methacrylate

Concen: 5.322 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

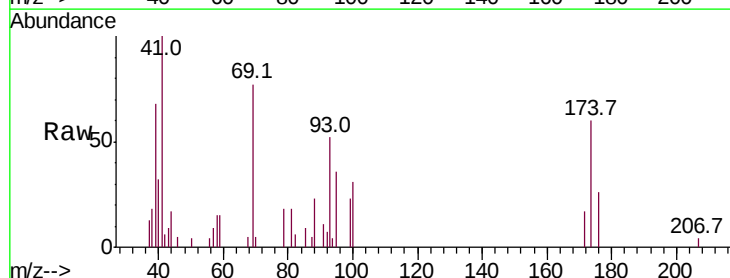
Tgt Ion: 41 Resp: 7149

Ion Ratio Lower Upper

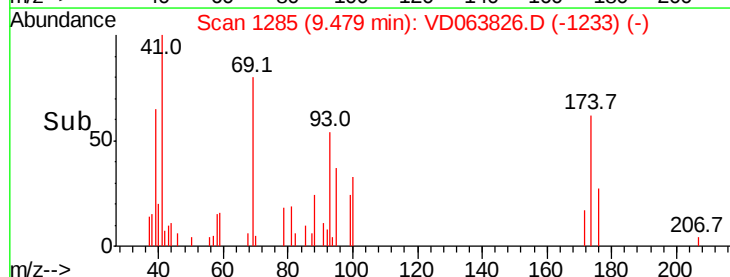
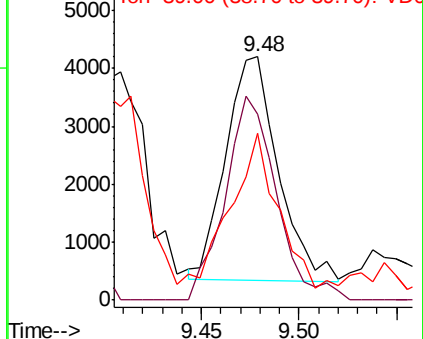
41 100

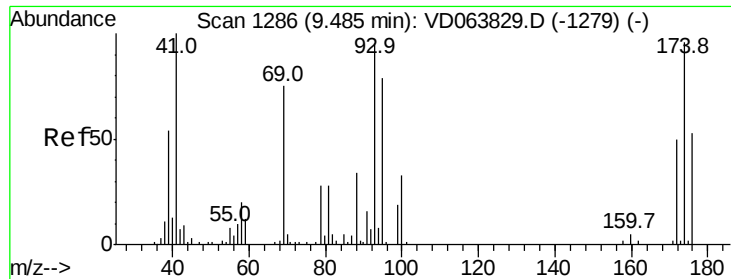
69 89.6 71.7 107.5

39 73.4 51.7 77.5



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





#49

1,4-Dioxane

Concen: 111.890 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :

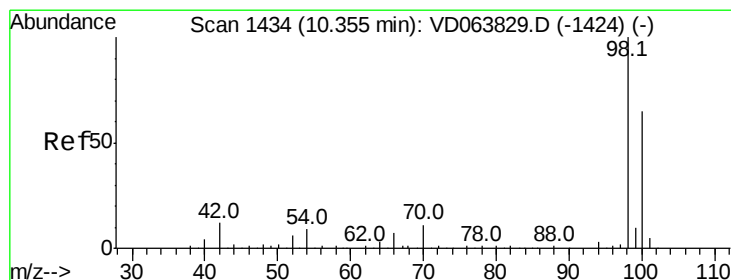
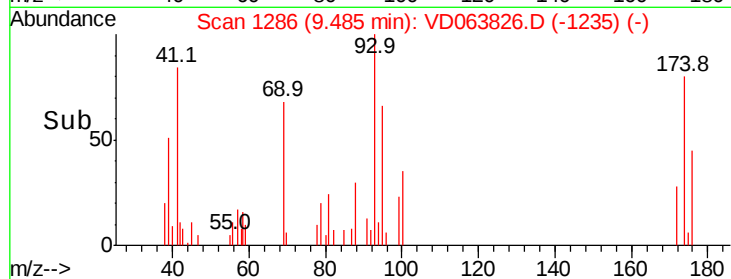
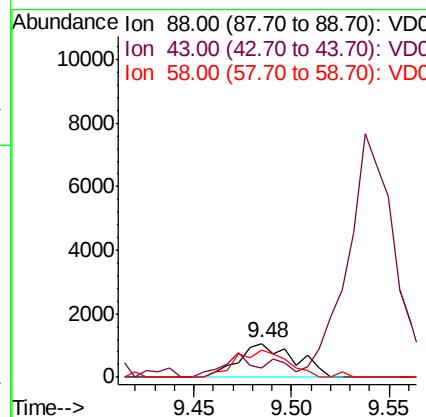
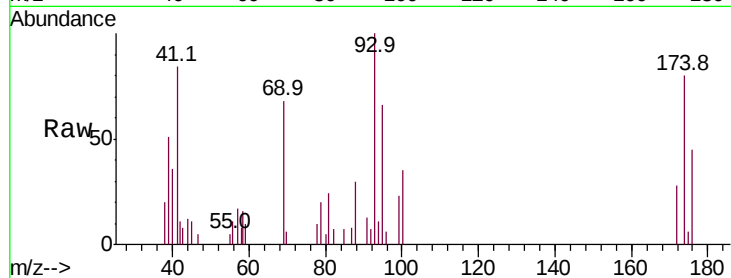
Tot Ion: 88 Resp: 2114

Ion Ratio Lower Upper

88 100

43 20.2 25.8 38.6#

58 74.1 55.9 83.9



#50

Toluene-d8

Concen: 4.936 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VD063826.D

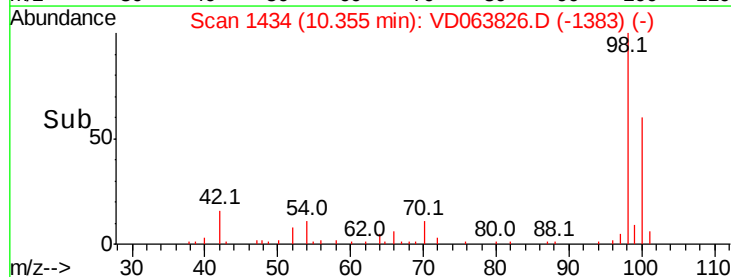
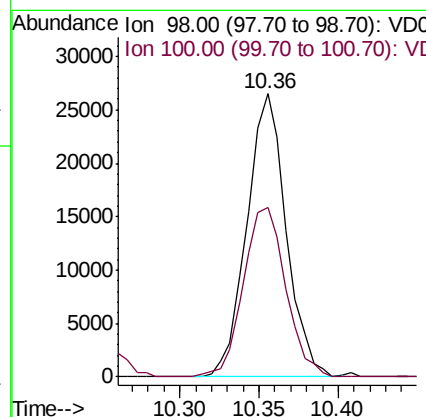
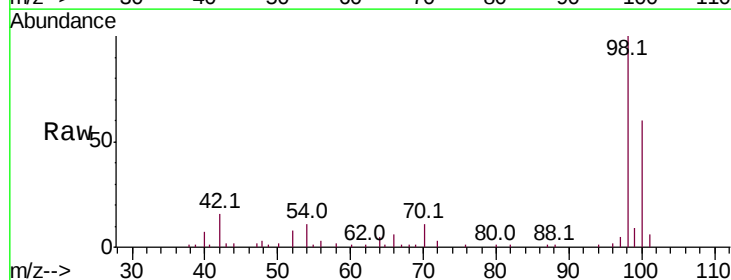
Acq: 25 Sep 2019 16:58

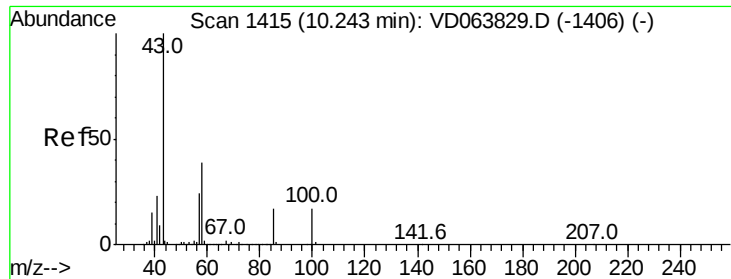
Tgt Ion: 98 Resp: 45610

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4

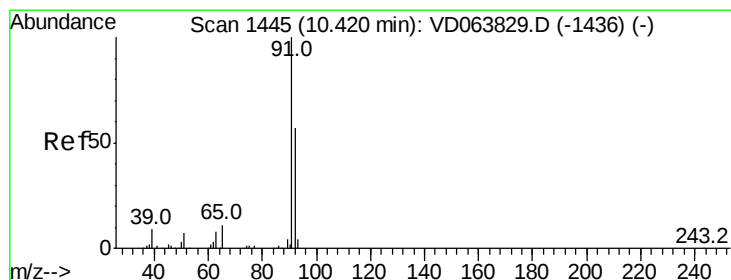
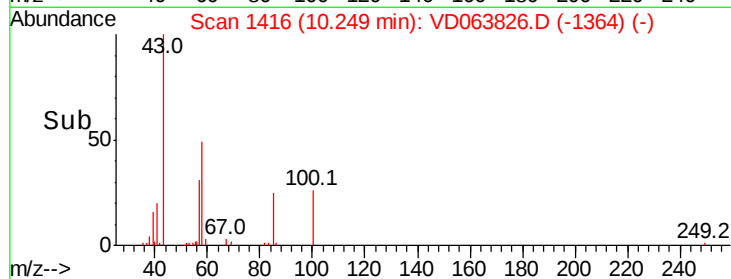
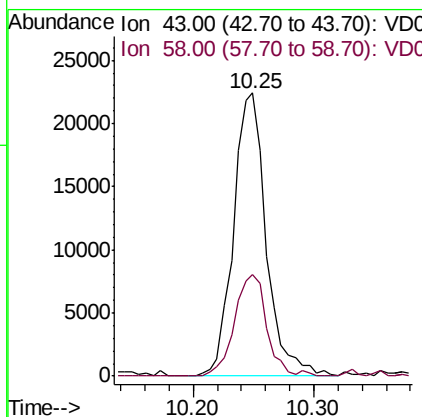
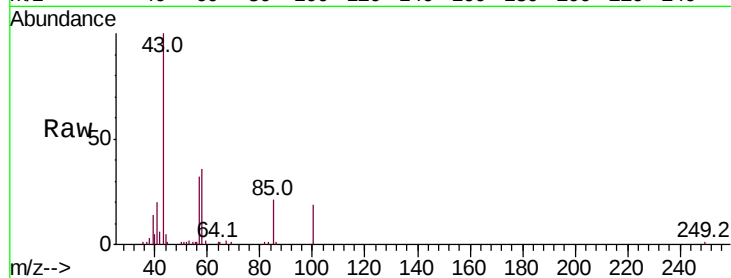




#51
 4-Methyl-2-Pentanone
 Concen: 28.409 ug/l
 RT: 10.25 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

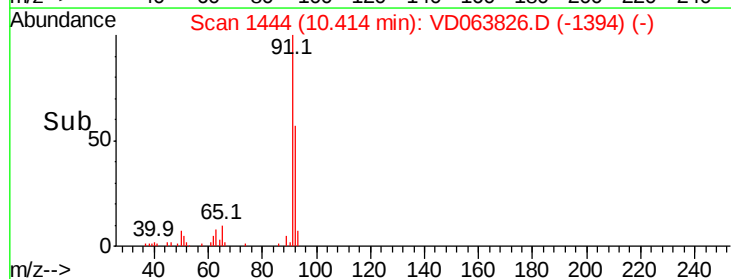
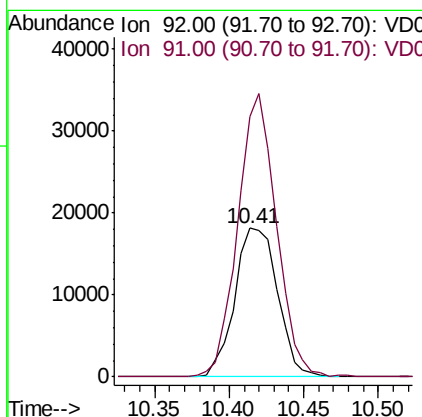
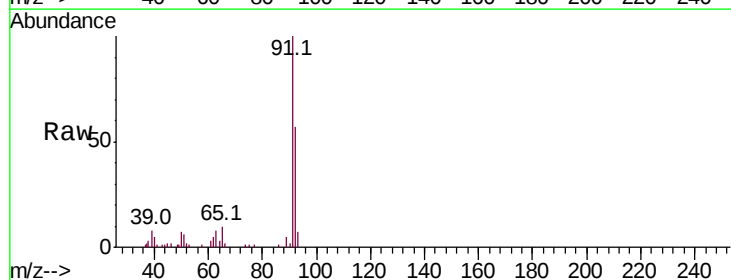
Instrument :
 MSVOA_D
 ClientSampled :

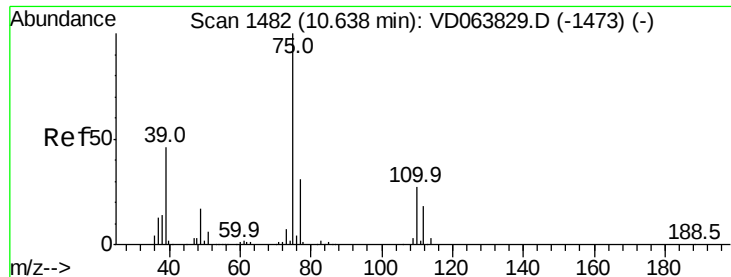
Tot Ion: 43 Resp: 42265
 Ion Ratio Lower Upper
 43 100
 58 35.0 30.9 46.3



#52
 Toluene
 Concen: 5.479 ug/l
 RT: 10.41 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion: 92 Resp: 36087
 Ion Ratio Lower Upper
 92 100
 91 172.2 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 5.108 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

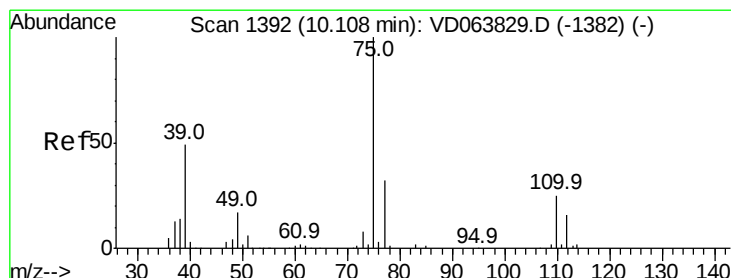
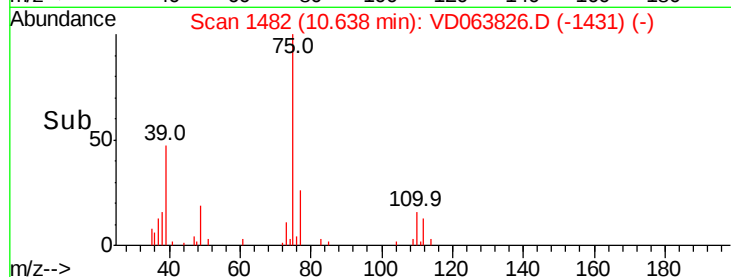
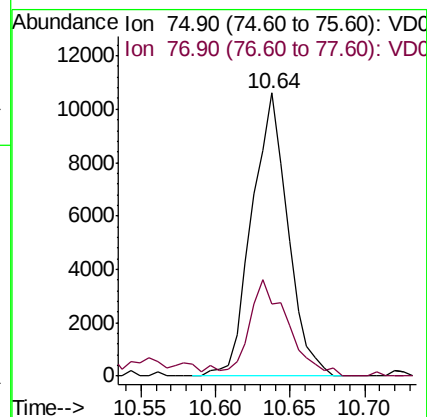
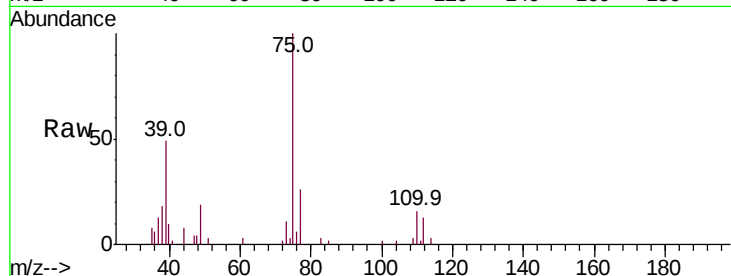
ClientSampled :

Tot Ion: 75 Resp: 17678

Ion Ratio Lower Upper

75 100

77 25.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 5.030 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

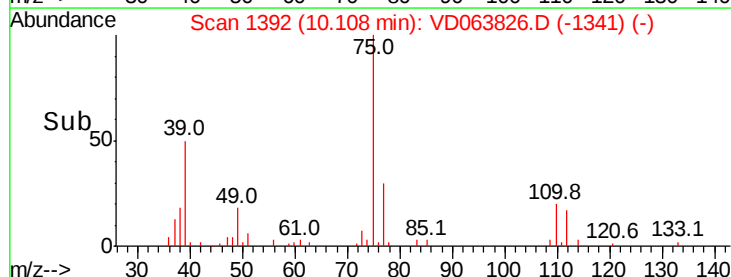
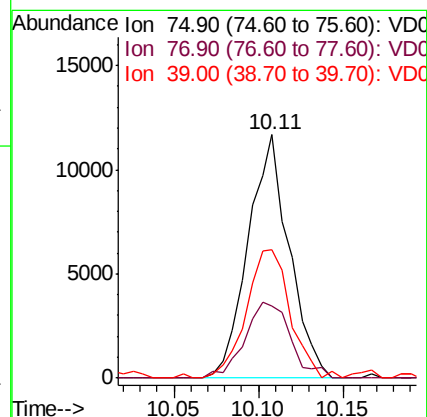
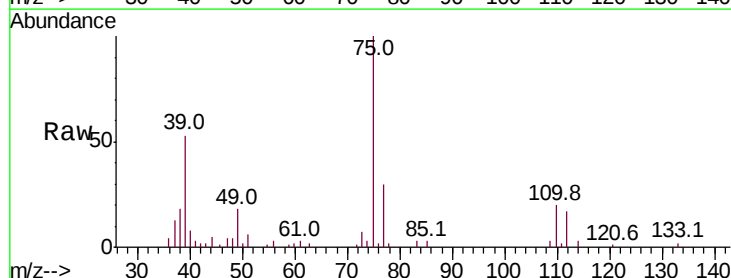
Tgt Ion: 75 Resp: 19761

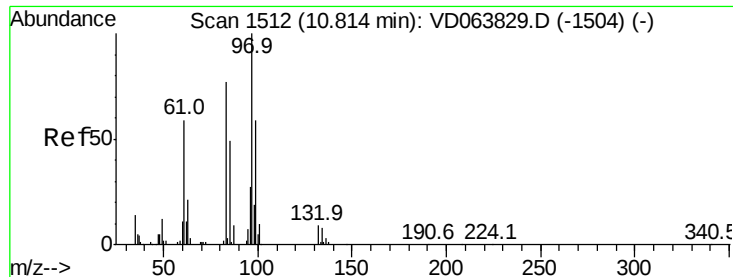
Ion Ratio Lower Upper

75 100

77 29.8 25.8 38.8

39 52.7 39.5 59.3

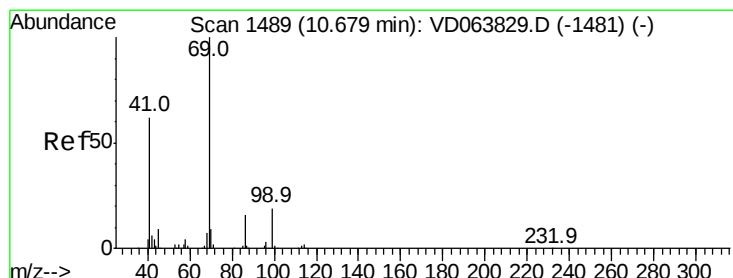
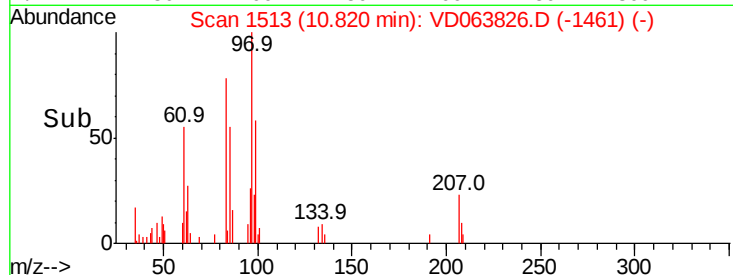
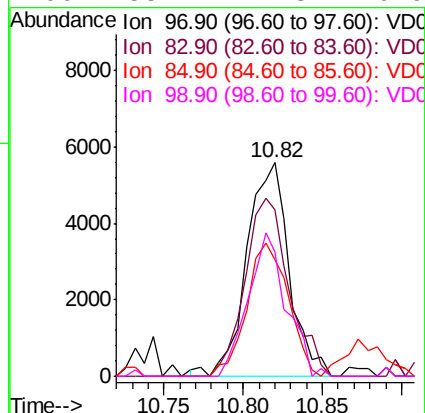
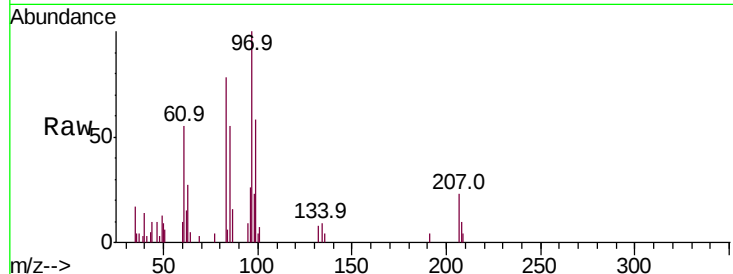




#55
1,1,2-Trichloroethane
Concen: 5.415 ug/l
RT: 10.82 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

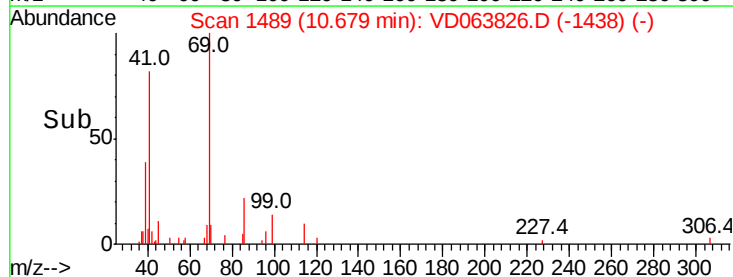
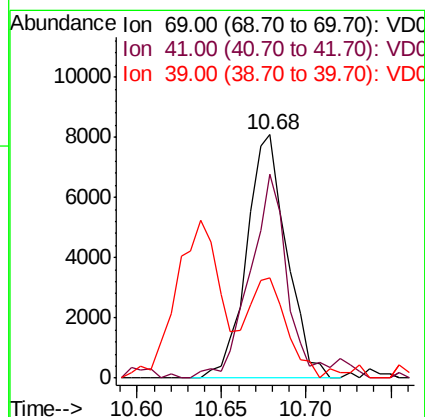
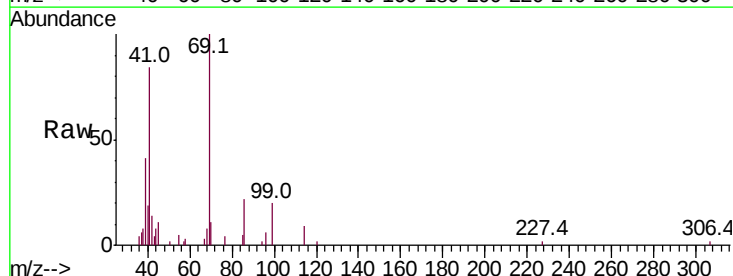
Instrument :
MSVOA_D
ClientSampleId :

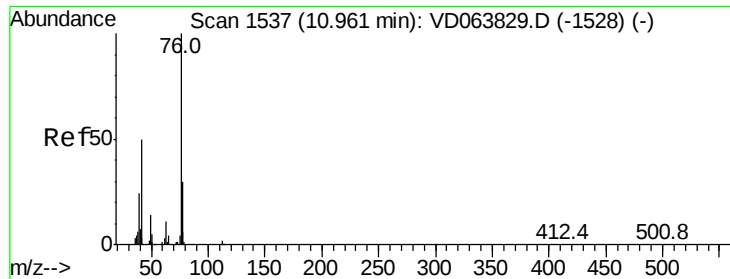
Tot Ion:	97	Resp:	10362
Ion	Ratio	Lower	Upper
97	100		
83	77.9	61.9	92.9
85	54.7	39.4	59.2
99	58.1	47.3	70.9



#56
Ethyl methacrylate
Concen: 5.493 ug/l
RT: 10.68 min Scan# 1489
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion:	69	Resp:	13360
Ion	Ratio	Lower	Upper
69	100		
41	77.8	52.2	78.4
39	36.8	28.7	43.1

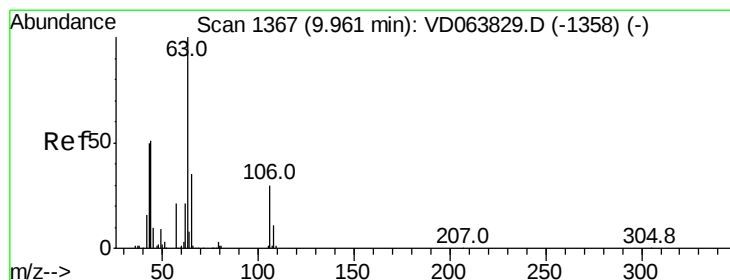
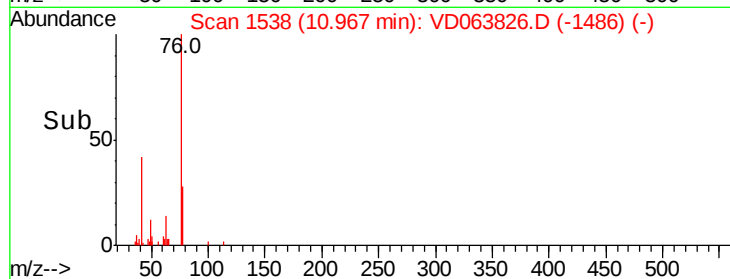
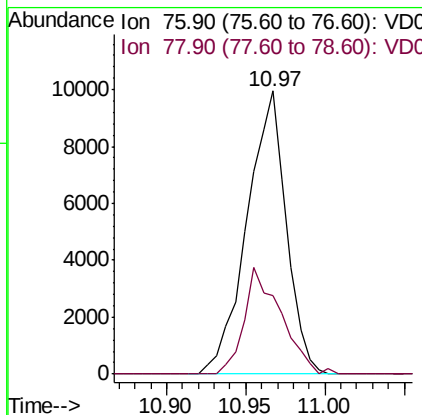
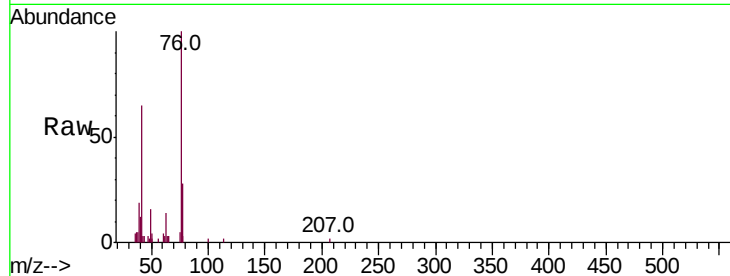




#57
 1,3-Dichloropropane
 Concen: 5.284 ug/l
 RT: 10.97 min Scan# 1538
 Delta R.T. 0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

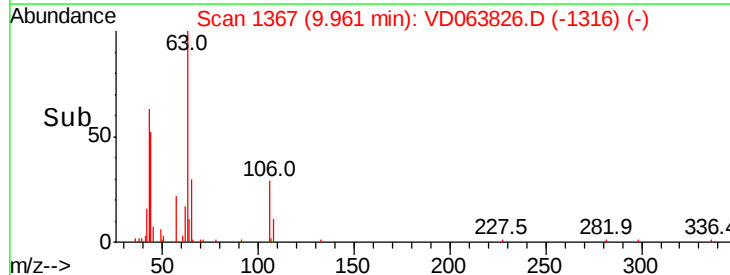
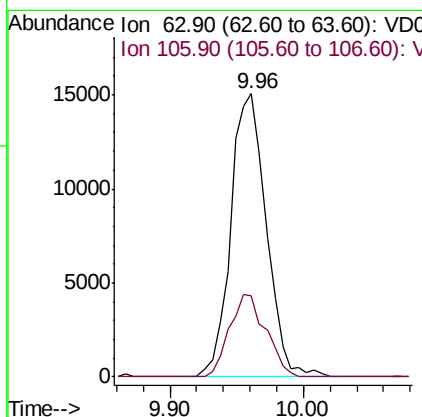
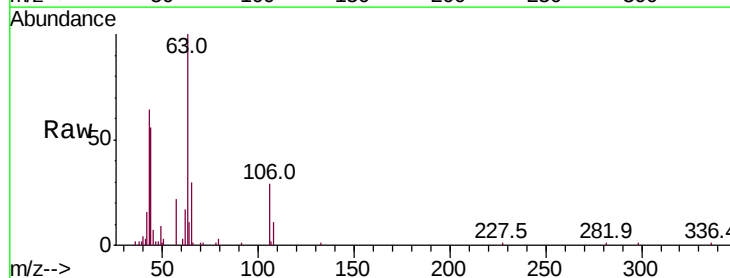
Instrument :
 MSVOA_D
 ClientSampled :

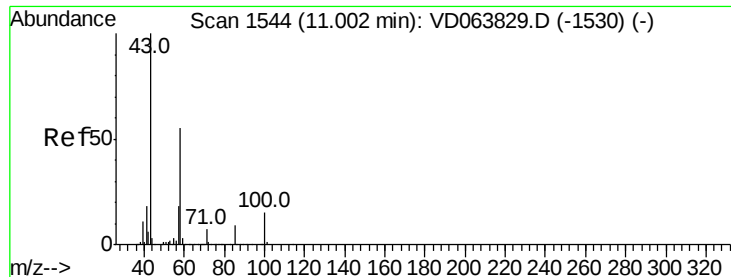
Tot Ion: 76 Resp: 17183
 Ion Ratio Lower Upper
 76 100
 78 35.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.573 ug/l
 RT: 9.96 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion: 63 Resp: 27801
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0

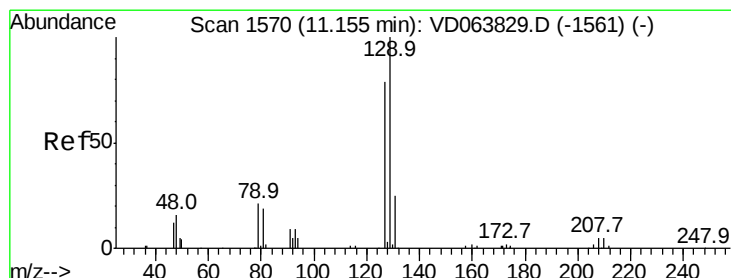
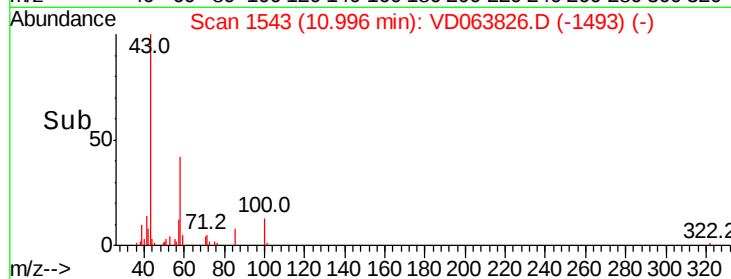
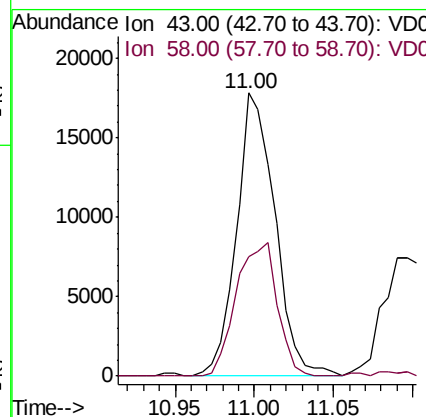
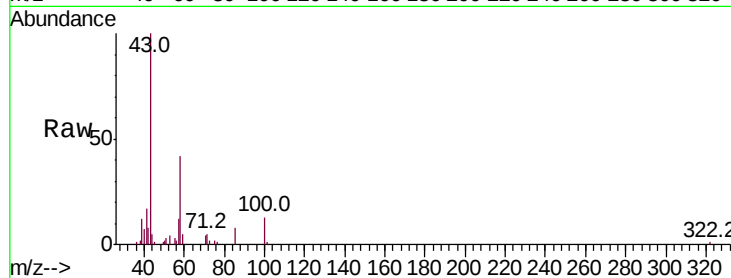




#59
2-Hexanone
Concen: 28.255 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

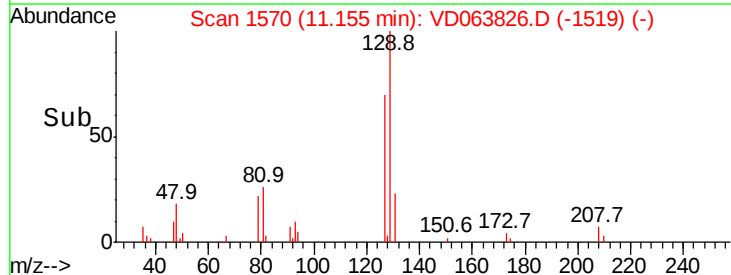
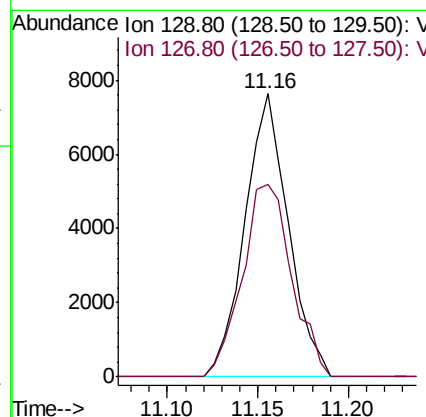
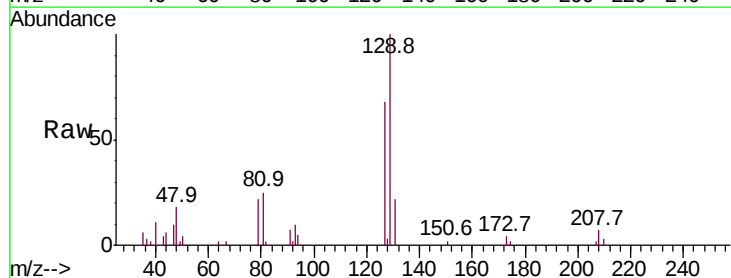
Instrument :
MSVOA_D
ClientSampleId :

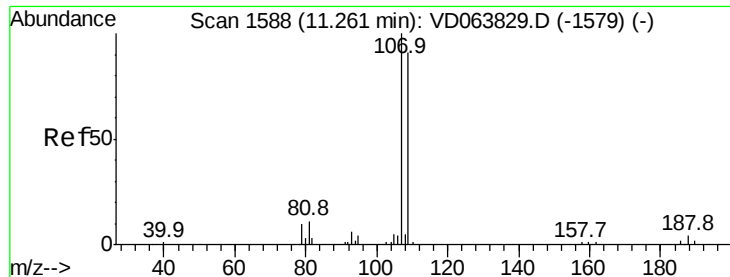
Tot Ion: 43 Resp: 29993
Ion Ratio Lower Upper
43 100
58 50.2 27.6 82.7



#60
Dibromochloromethane
Concen: 5.024 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 129 Resp: 12688
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.3

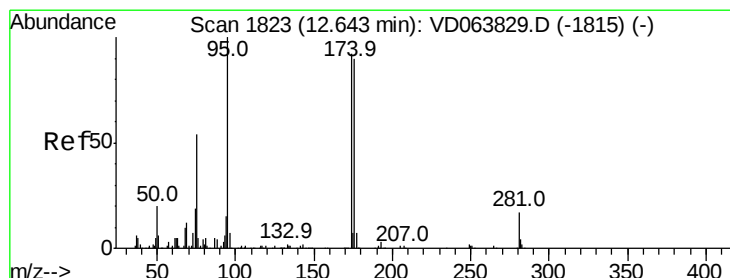
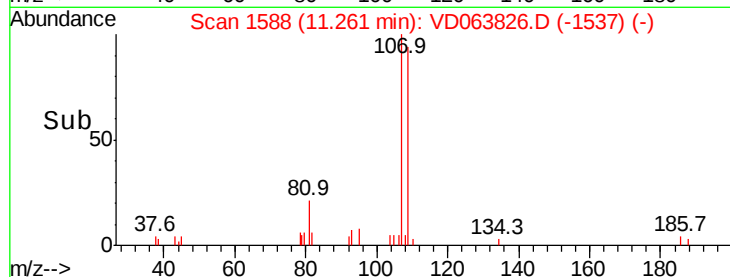
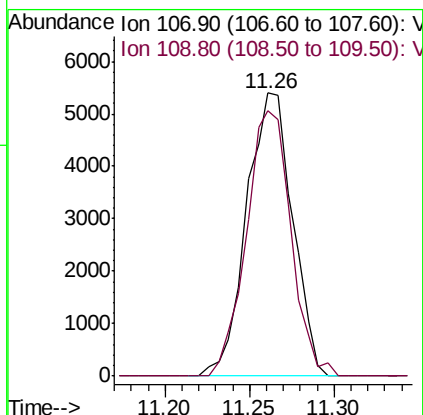
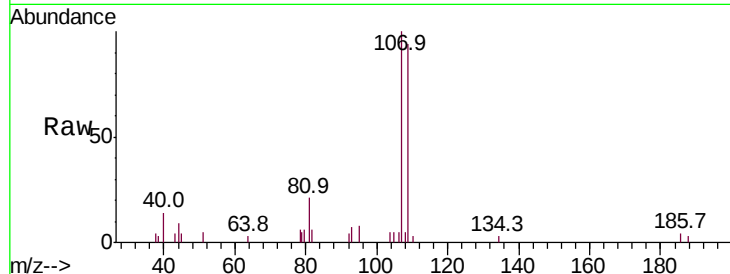




#61
 1,2-Dibromoethane
 Concen: 5.325 ug/l
 RT: 11.26 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

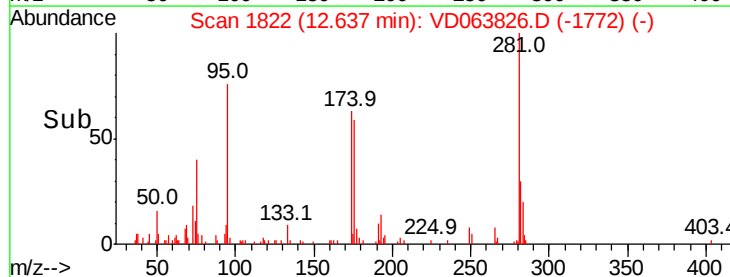
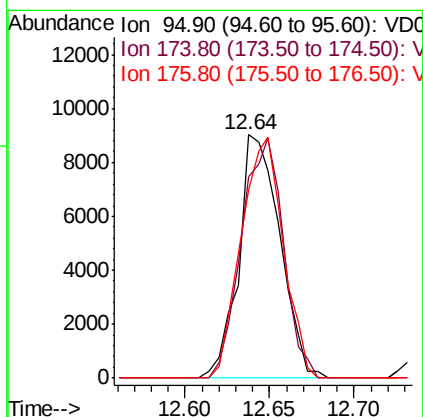
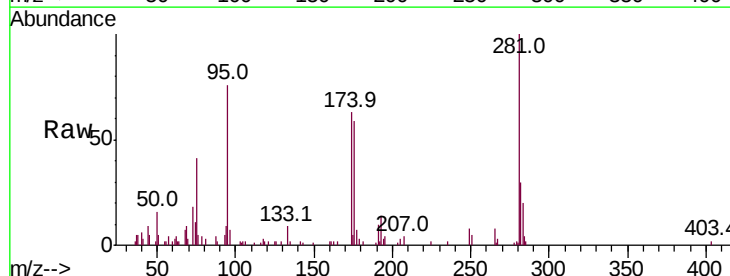
Instrument :
 MSVOA_D
 ClientSampleId :

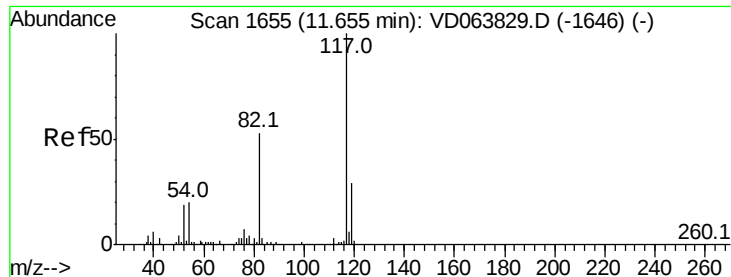
Tot Ion:107 Resp: 10188
 Ion Ratio Lower Upper
 107 100
 109 91.2 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 4.630 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion: 95 Resp: 15354
 Ion Ratio Lower Upper
 95 100
 174 99.5 0.0 183.2
 176 101.1 0.0 177.4

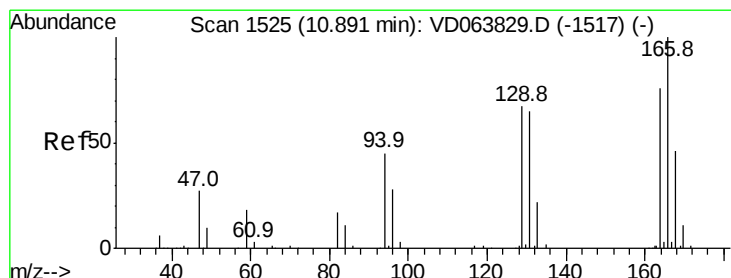
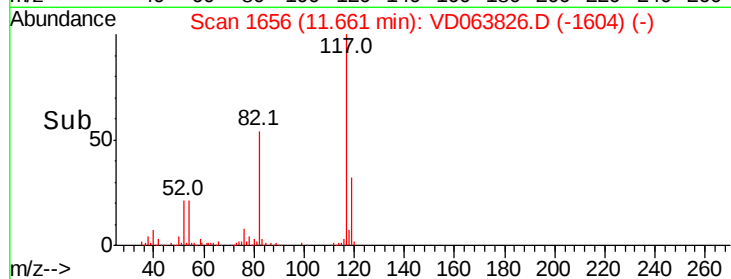
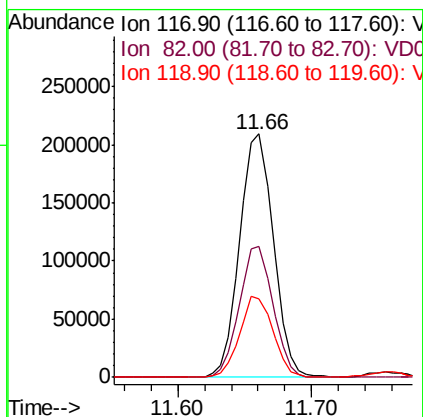
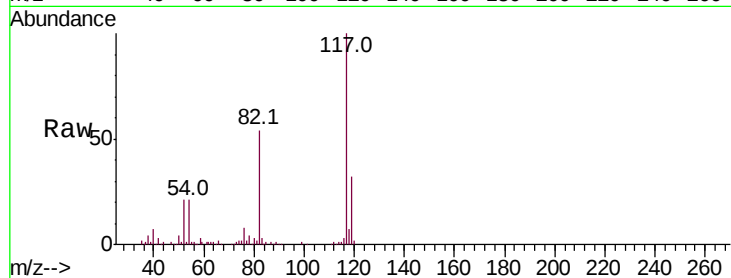




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

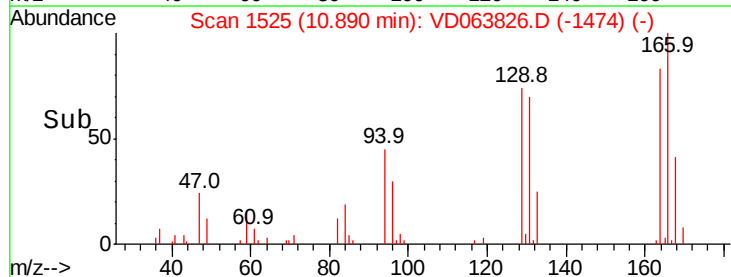
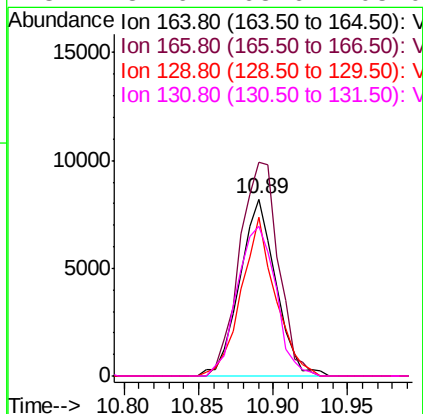
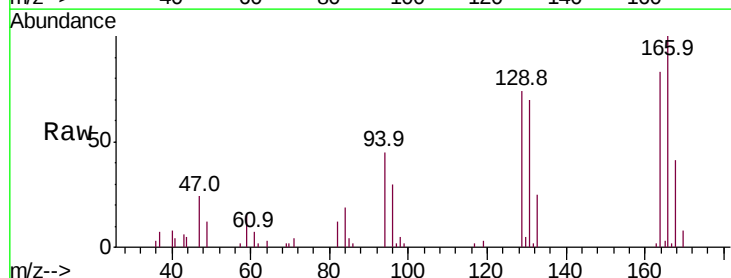
Instrument :
MSVOA_D
ClientSampleId :

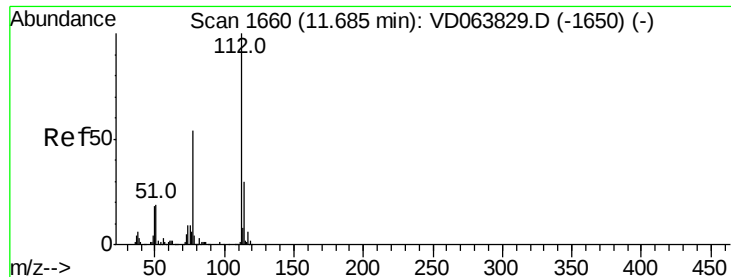
Tot Ion:117 Resp: 367405
Ion Ratio Lower Upper
117 100
82 54.0 42.4 63.6
119 32.3 23.5 35.3



#64
Tetrachloroethene
Concen: 5.564 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion:164 Resp: 13769
Ion Ratio Lower Upper
164 100
166 120.9 105.5 158.3
129 89.8 70.2 105.4
131 84.6 68.6 103.0

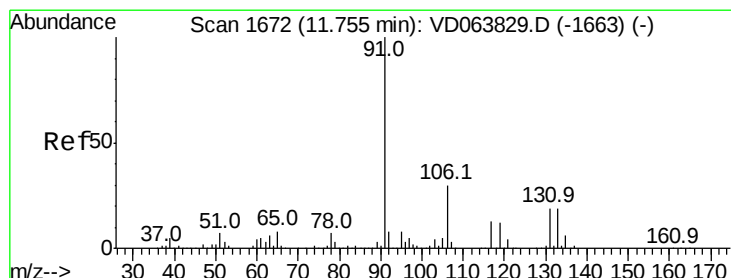
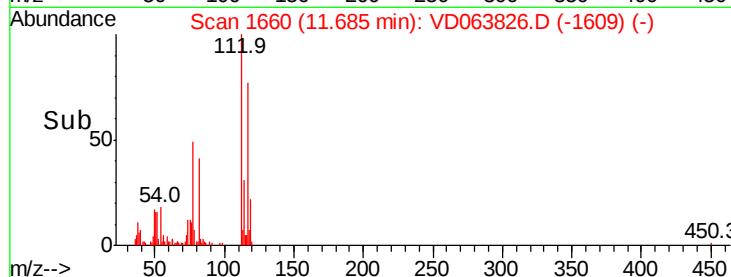
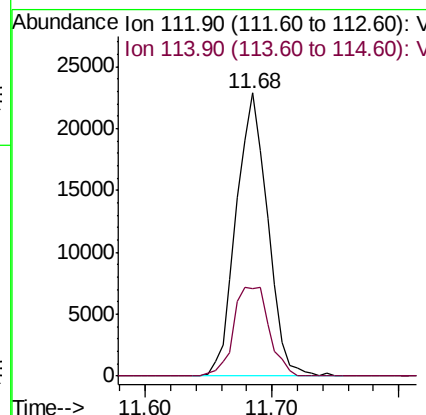
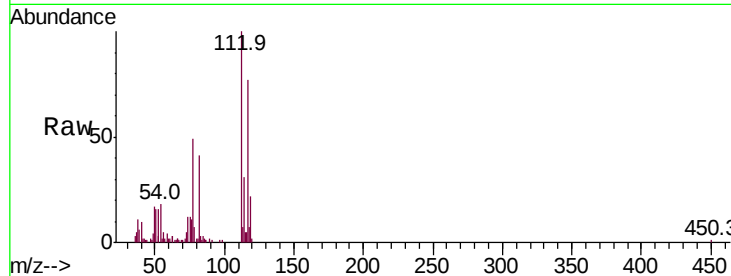




#65
Chlorobenzene
Concen: 5.318 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

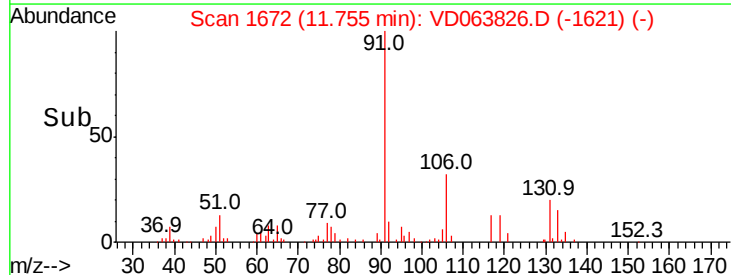
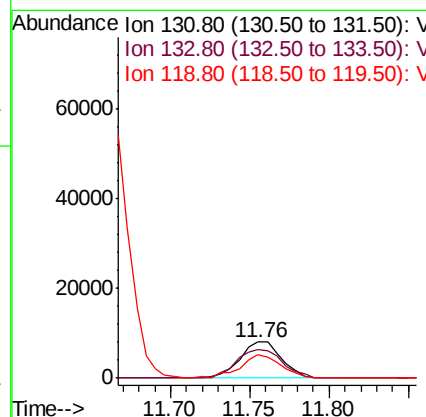
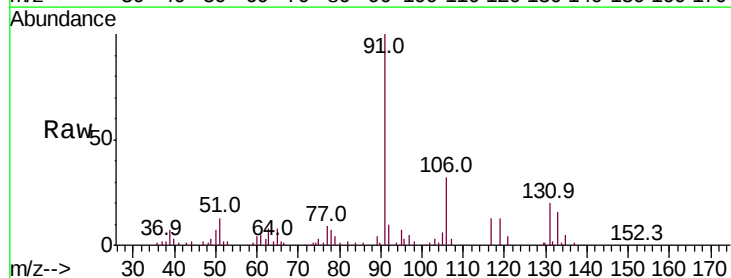
Instrument :
MSVOA_D
ClientSampled :

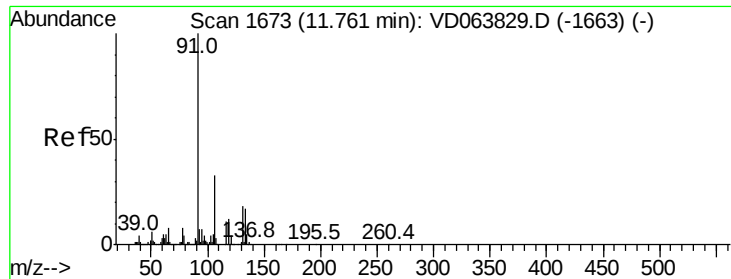
Tot Ion:112 Resp: 39304
Ion Ratio Lower Upper
112 100
114 31.0 24.2 36.2



#66
1,1,1,2-Tetrachloroethane
Concen: 5.410 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion:131 Resp: 14693
Ion Ratio Lower Upper
131 100
133 88.2 47.4 142.3
119 62.4 31.6 94.8





#67

Ethyl Benzene

Concen: 5.255 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

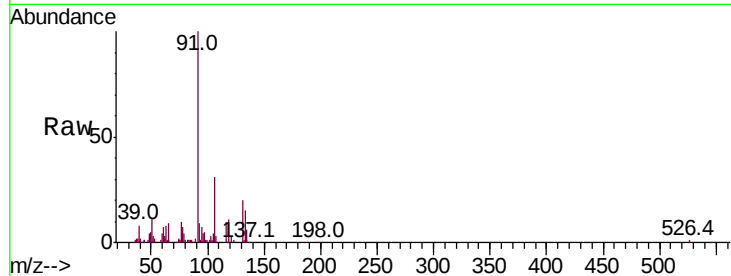
ClientSampled :

Tot Ion: 91 Resp: 70157

Ion Ratio Lower Upper

91 100

106 31.4 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VD063829.D (-1663) (-)

Ion 106.00 (105.70 to 106.70): VD063829.D (-1663) (-)

11.76

40000

30000

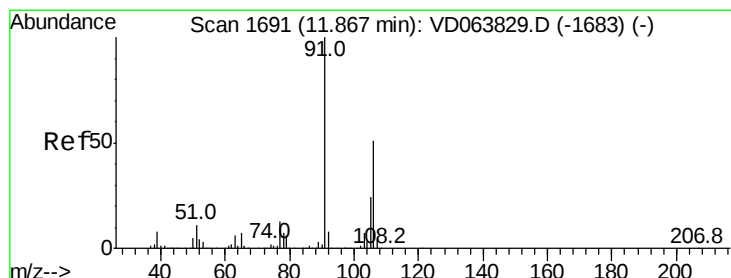
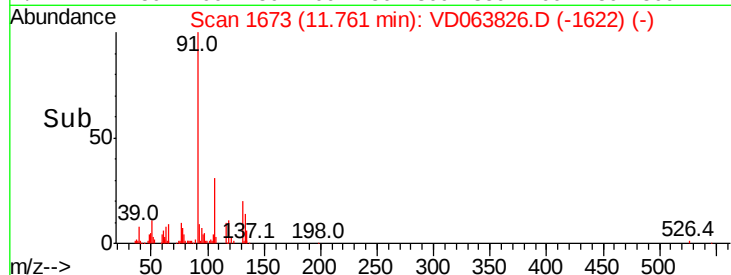
20000

10000

0

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 10.680 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VD063826.D

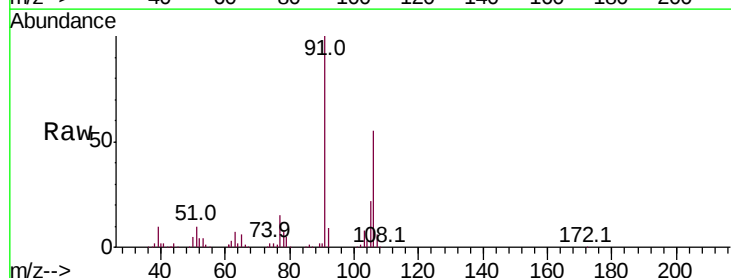
Acq: 25 Sep 2019 16:58

Tgt Ion:106 Resp: 54749

Ion Ratio Lower Upper

106 100

91 196.4 157.6 236.4



Abundance Ion 106.00 (105.70 to 106.70): VD063829.D (-1683) (-)

Ion 91.00 (90.70 to 91.70): VD063829.D (-1683) (-)

11.87

60000

50000

40000

30000

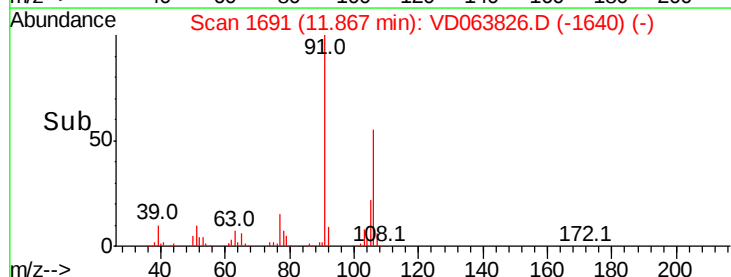
20000

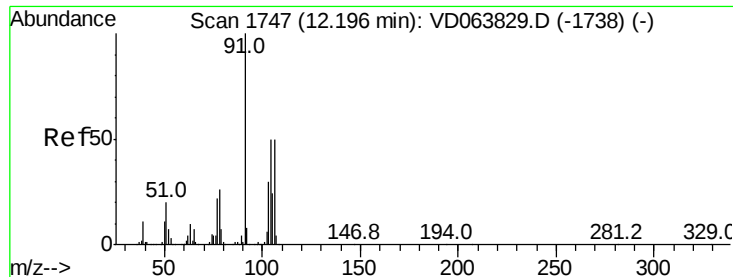
10000

0

11.80 11.85 11.90

Time-->

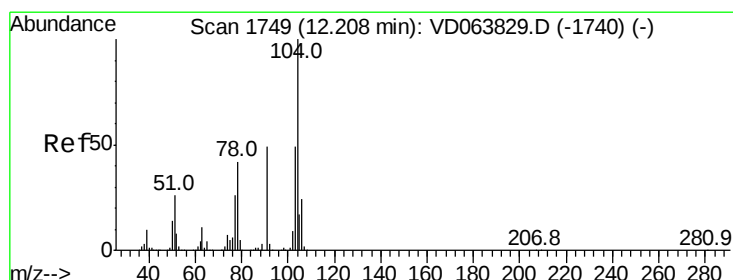
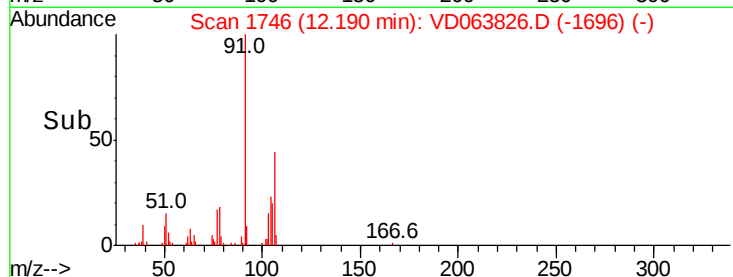
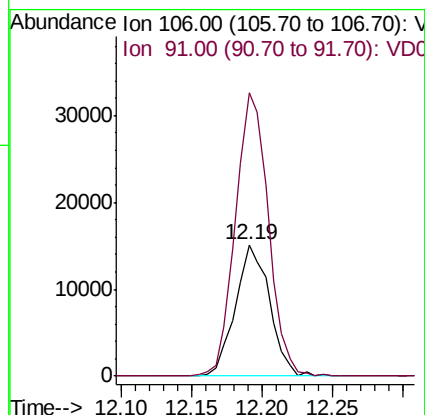
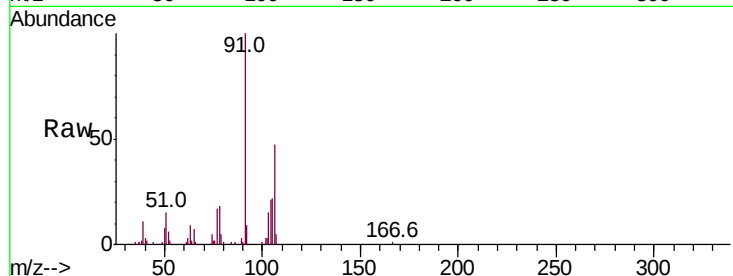




#69
o-Xylene
Concen: 5.300 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

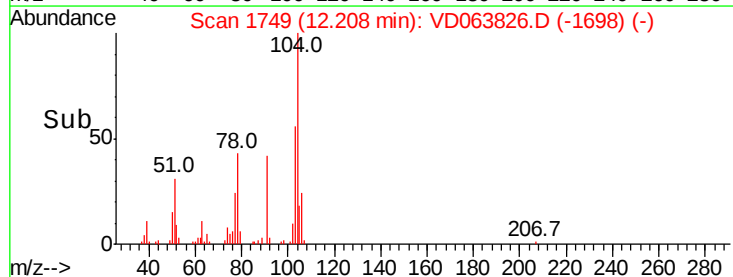
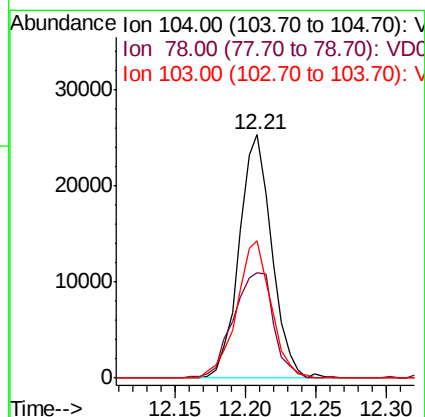
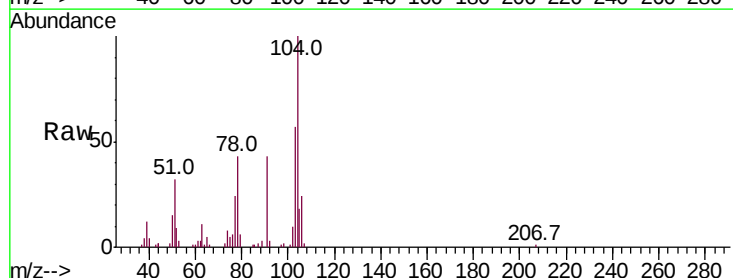
Instrument :
MSVOA_D
ClientSampled :

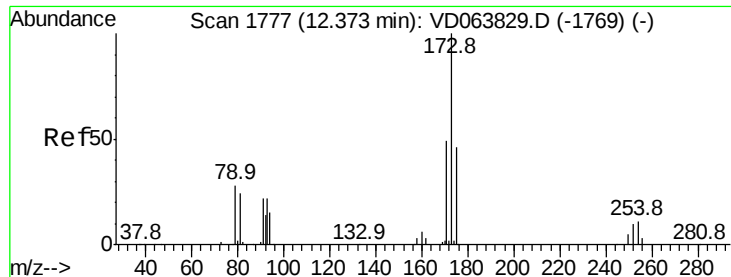
Tot Ion:106 Resp: 25644
Ion Ratio Lower Upper
106 100
91 207.6 102.4 307.1



#70
Styrene
Concen: 4.990 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion:104 Resp: 40867
Ion Ratio Lower Upper
104 100
78 53.5 37.3 55.9
103 59.0 44.2 66.4





#71

Bromoform

Concen: 4.603 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampled :

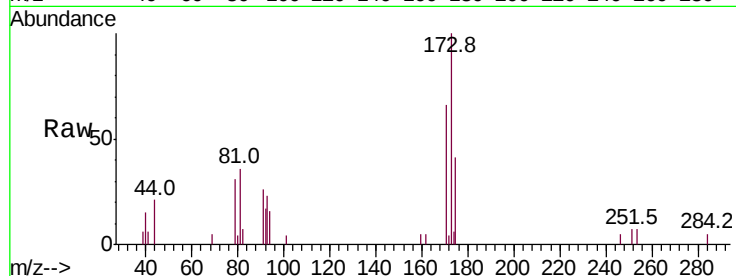
Tot Ion:173 Resp: 6945

Ion Ratio Lower Upper

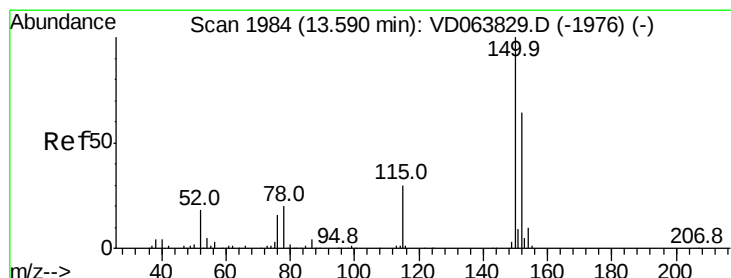
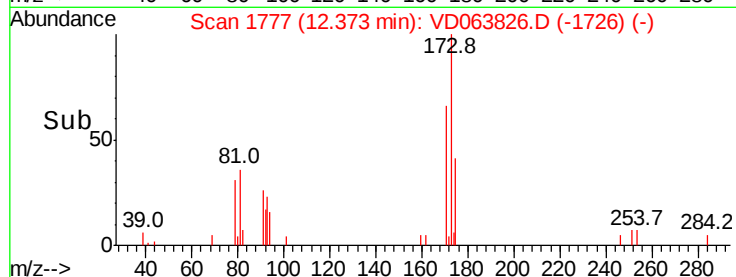
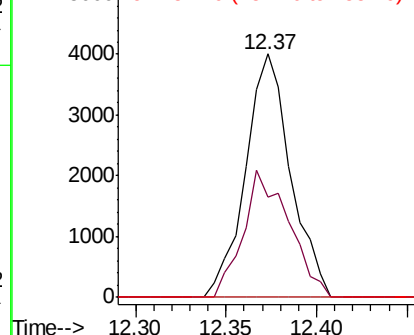
173 100

175 52.9 23.3 69.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

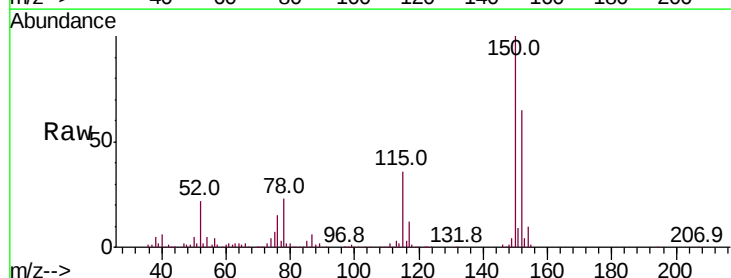
Tgt Ion:152 Resp: 187667

Ion Ratio Lower Upper

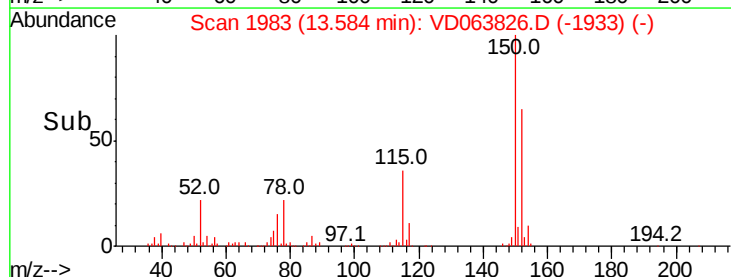
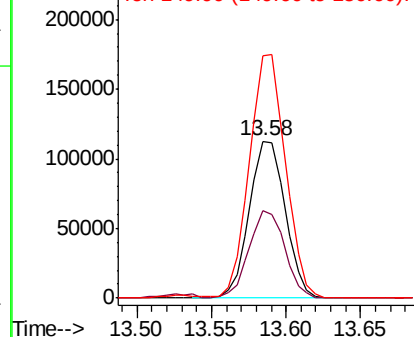
152 100

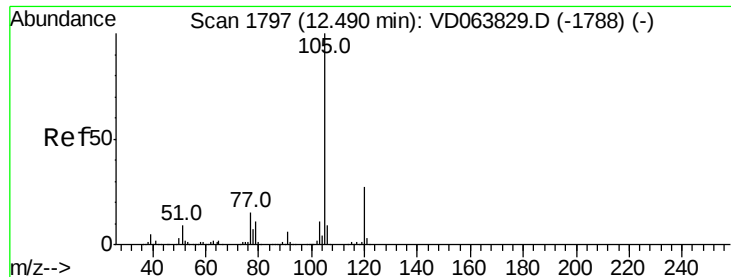
115 55.5 27.0 81.0

150 155.7 0.0 344.0



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





#73

Isopropylbenzene

Concen: 5.459 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

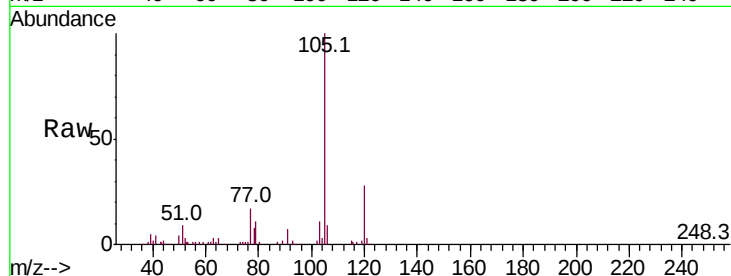
ClientSampleId :

Tot Ion:105 Resp: 69980

Ion Ratio Lower Upper

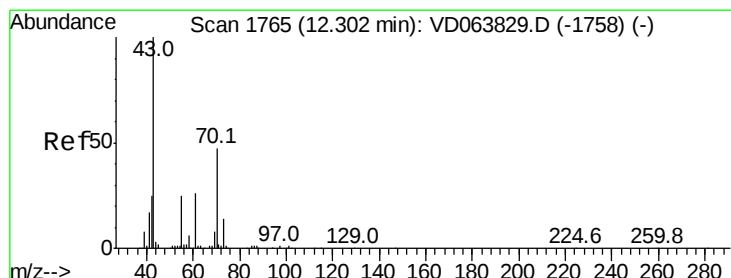
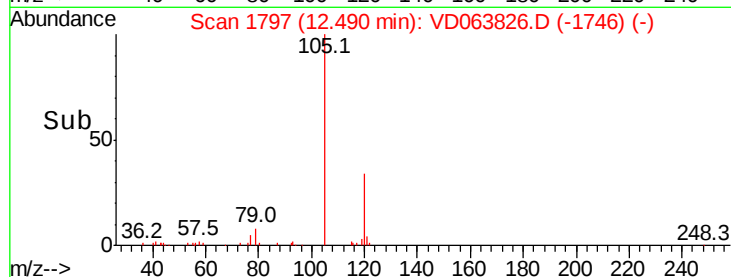
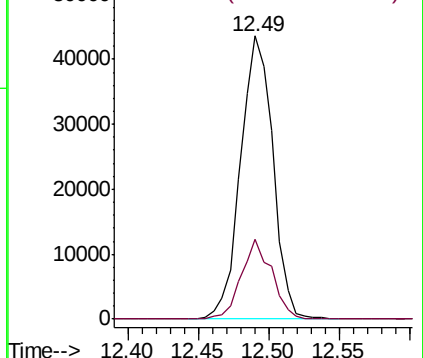
105 100

120 26.6 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.590 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Tgt Ion: 43 Resp: 15687

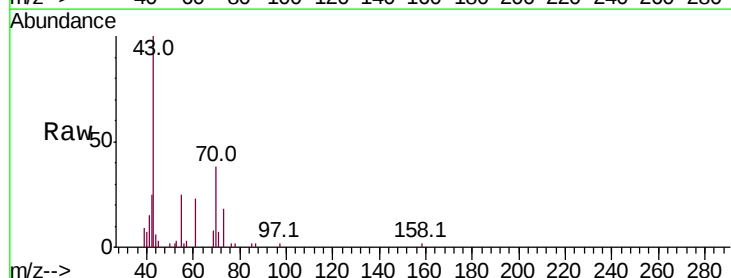
Ion Ratio Lower Upper

43 100

70 40.1 35.0 52.6

55 22.3 19.8 29.6

61 24.3 19.6 29.4

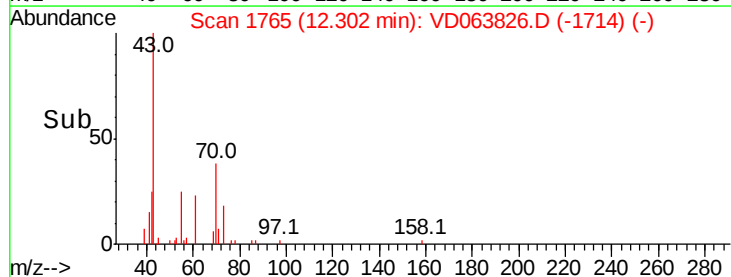
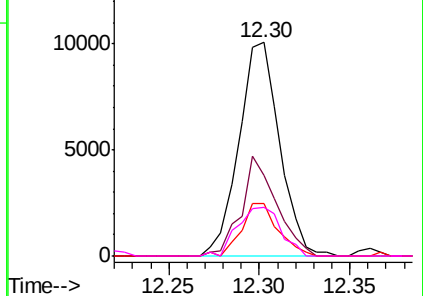


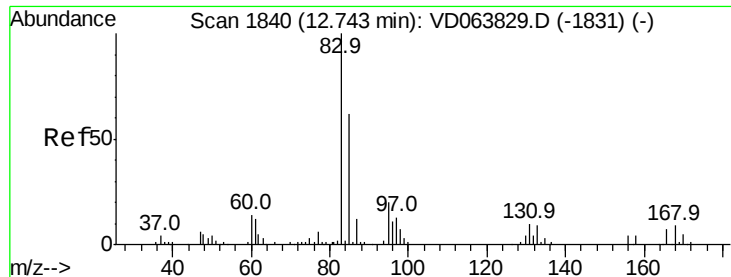
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.553 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampled :

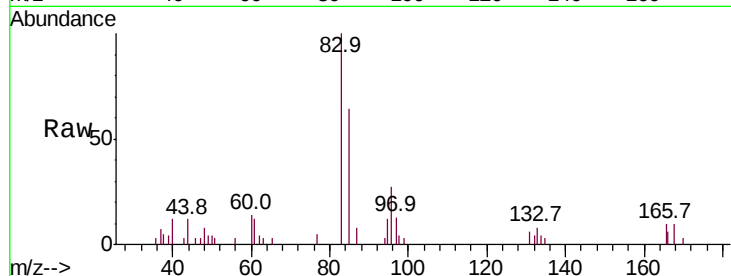
Tot Ion: 83 Resp: 11865

Ion Ratio Lower Upper

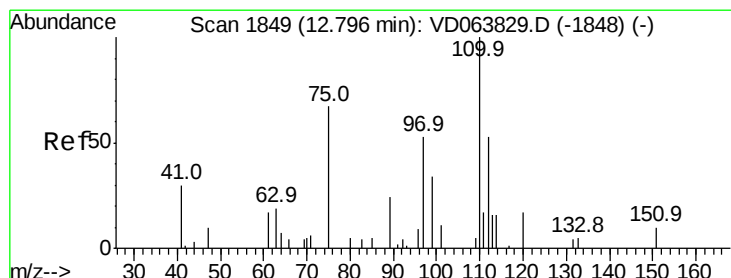
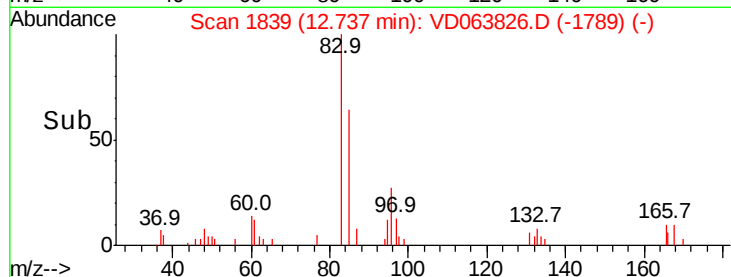
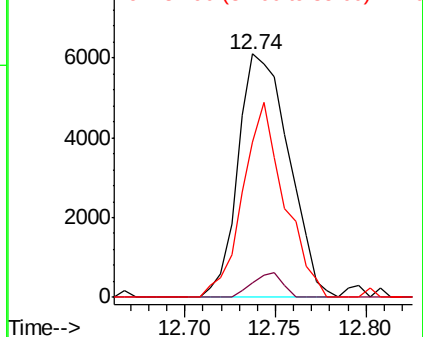
83 100

131 5.9 5.6 16.8

85 66.0 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 13.093 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. -0.00 min

Lab File: VD063826.D

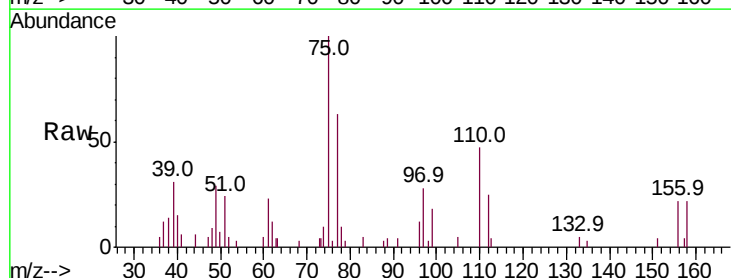
Acq: 25 Sep 2019 16:58

Tgt Ion: 75 Resp: 15583

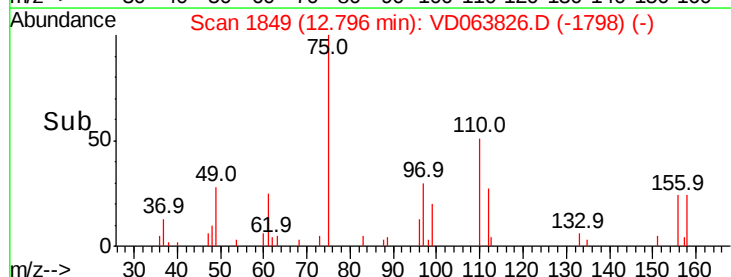
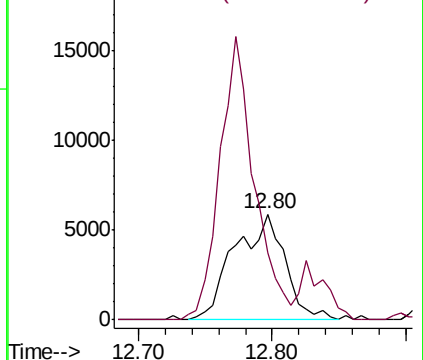
Ion Ratio Lower Upper

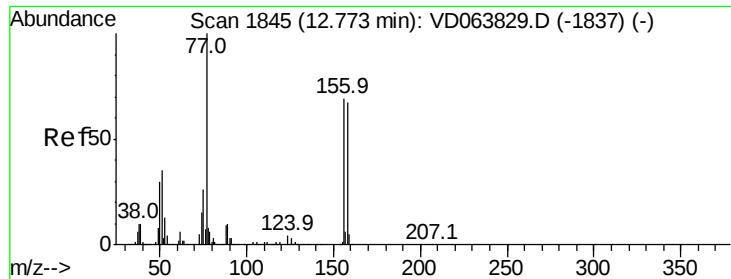
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 5.333 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampled :

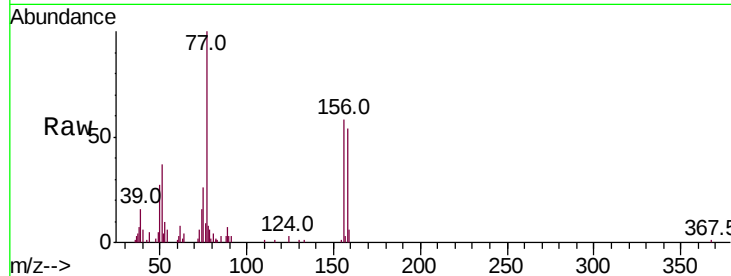
Tot Ion:156 Resp: 16428

Ion Ratio Lower Upper

156 100

77 174.3 79.8 239.4

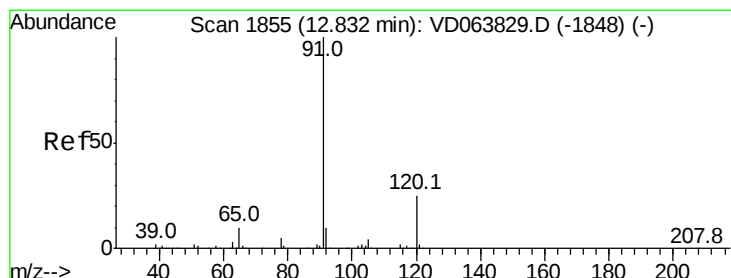
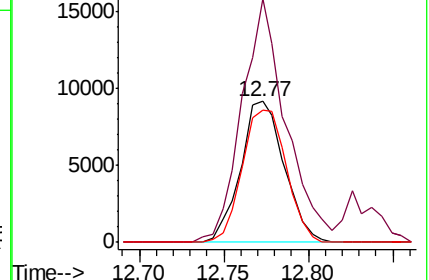
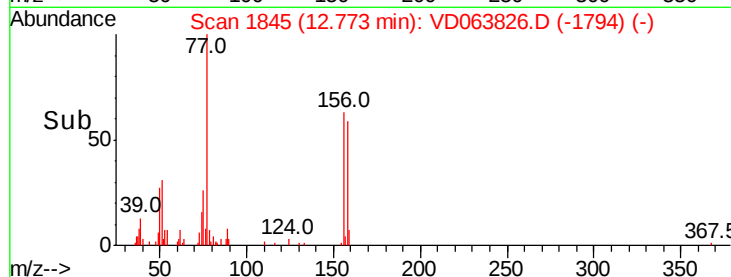
158 94.5 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.365 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VD063826.D

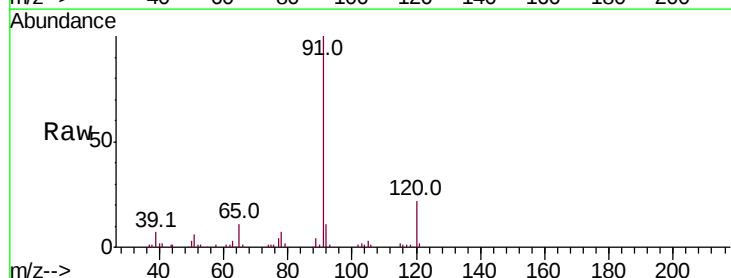
Acq: 25 Sep 2019 16:58

Tgt Ion: 91 Resp: 80910

Ion Ratio Lower Upper

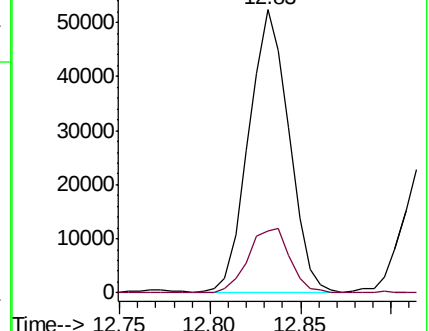
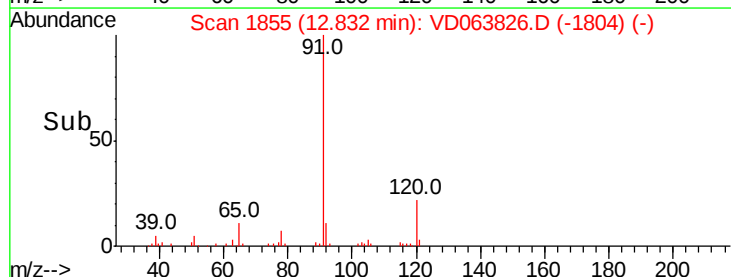
91 100

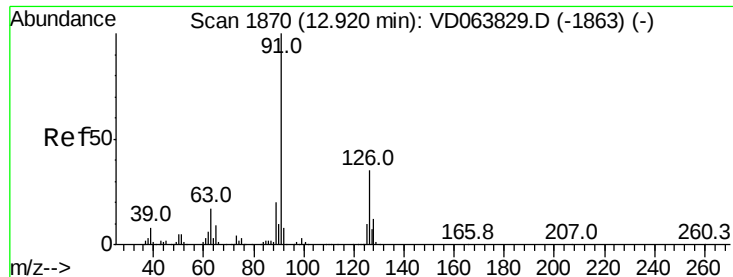
120 23.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

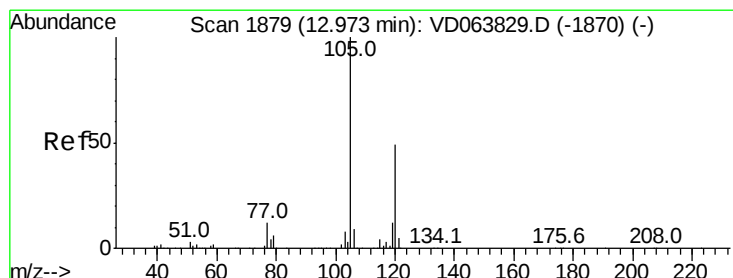
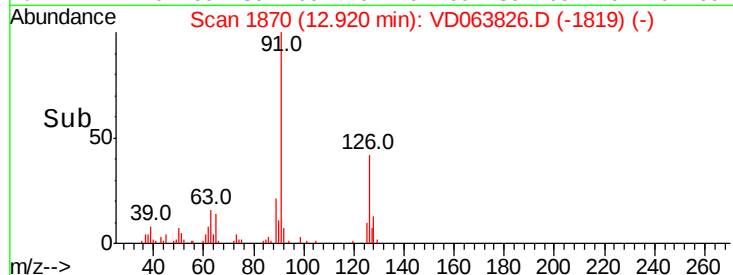
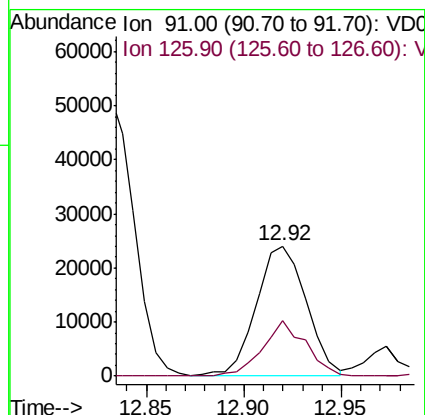
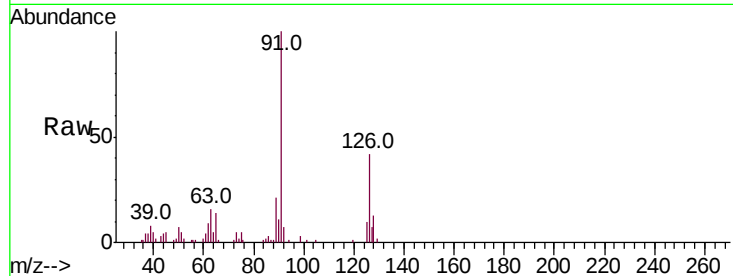




#79
 2-Chlorotoluene
 Concen: 5.251 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

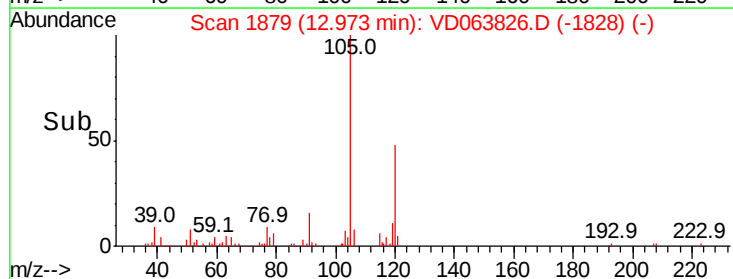
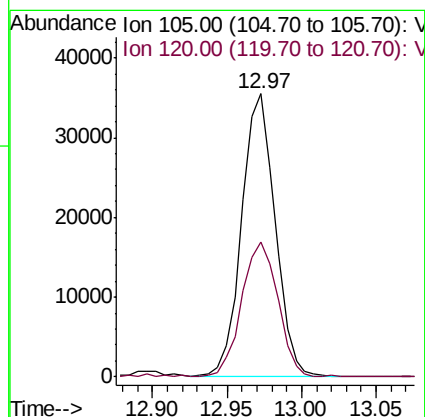
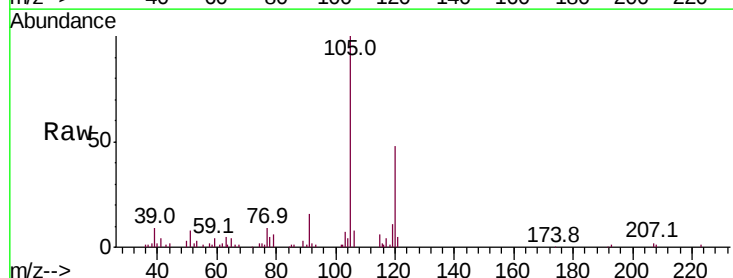
Instrument :
 MSVOA_D
 ClientSampleId :

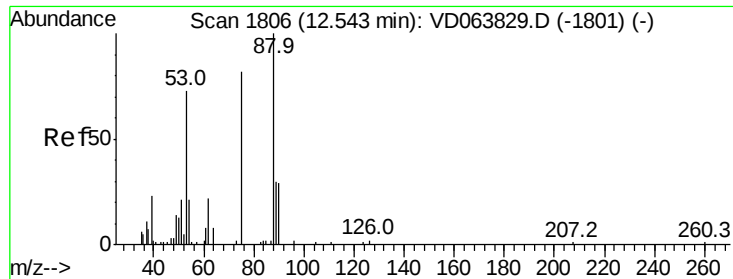
Tot Ion: 91 Resp: 42709
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 5.181 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion:105 Resp: 55358
 Ion Ratio Lower Upper
 105 100
 120 51.3 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 5.739 ug/l

RT: 12.55 min Scan# 1807

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampled :

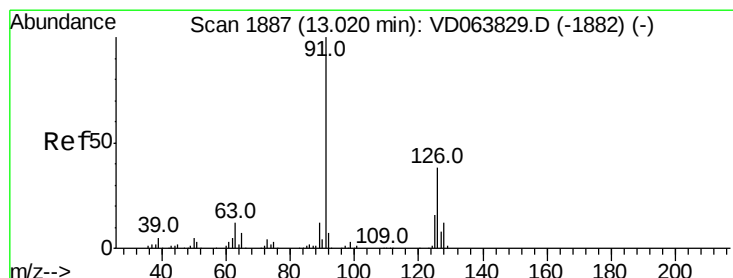
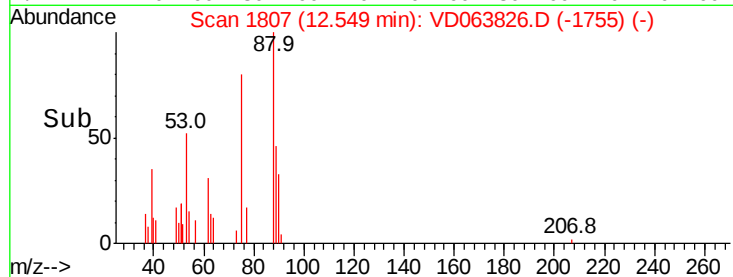
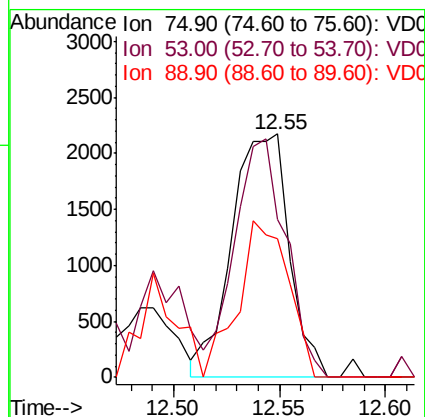
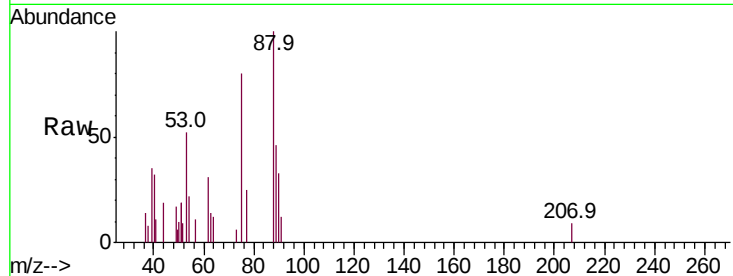
Tot Ion: 75 Resp: 4089

Ion Ratio Lower Upper

75 100

53 87.3 76.5 114.7

89 56.6 37.0 55.6#



#82

4-Chlorotoluene

Concen: 5.532 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VD063826.D

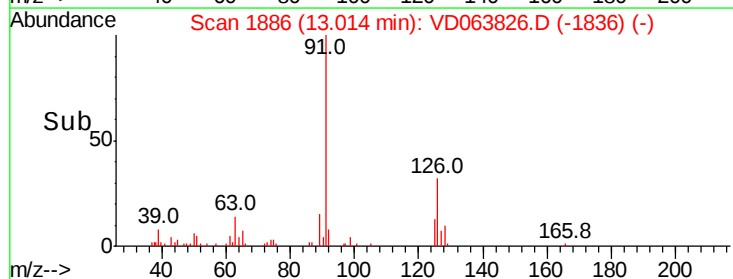
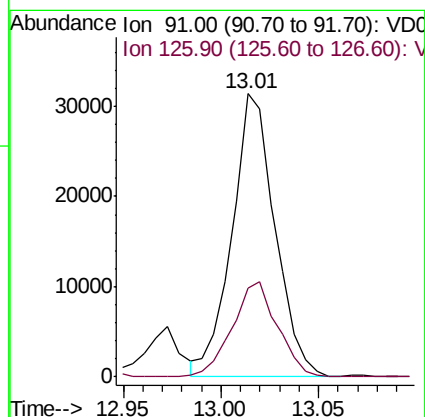
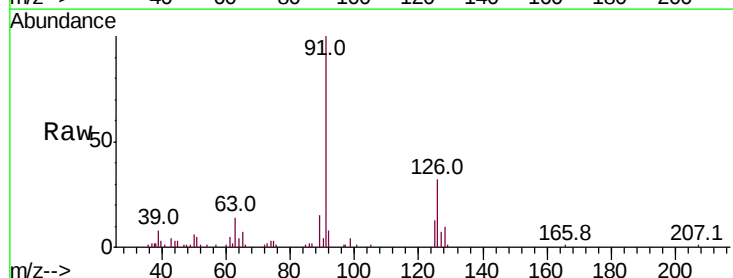
Acq: 25 Sep 2019 16:58

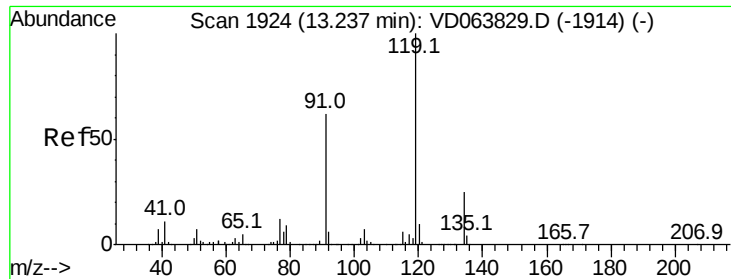
Tgt Ion: 91 Resp: 48001

Ion Ratio Lower Upper

91 100

126 35.2 18.6 55.6





#83

tert-Butylbenzene

Concen: 5.361 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

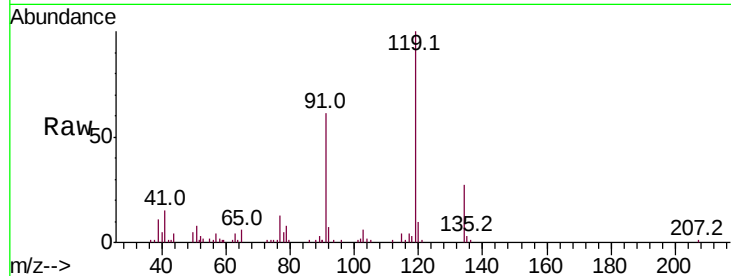
Tot Ion:119 Resp: 50054

Ion Ratio Lower Upper

119 100

91 64.3 30.8 92.3

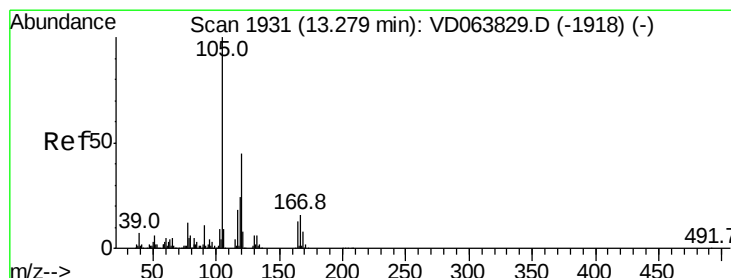
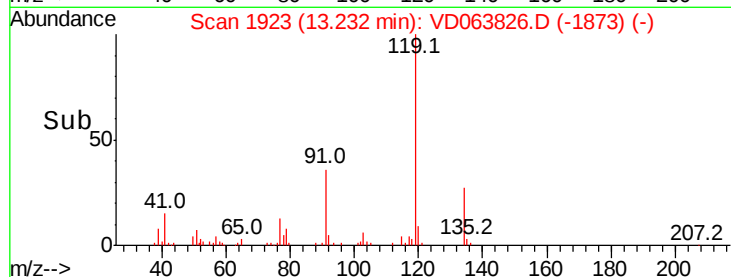
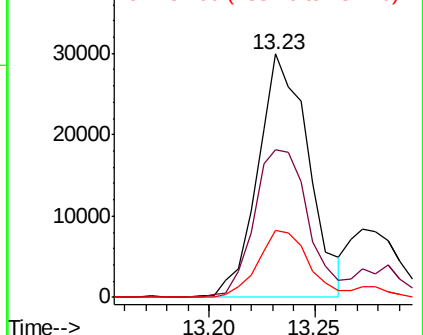
134 27.6 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): 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: 5.336 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD063826.D

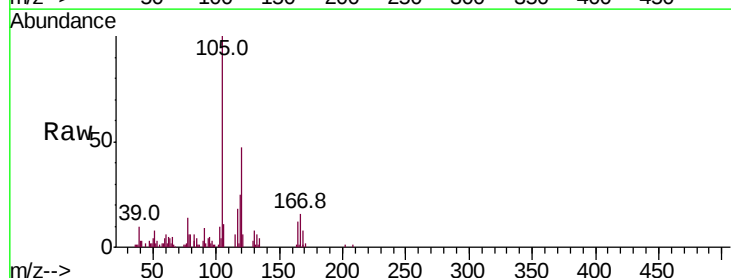
Acq: 25 Sep 2019 16:58

Tgt Ion:105 Resp: 57881

Ion Ratio Lower Upper

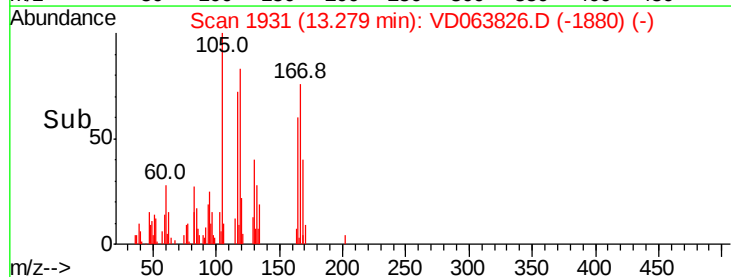
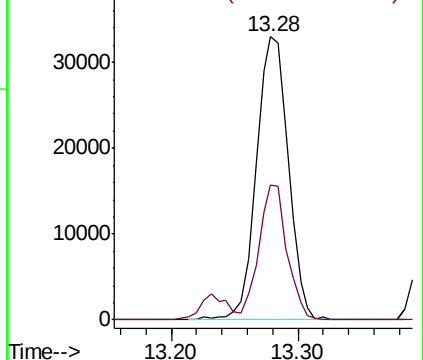
105 100

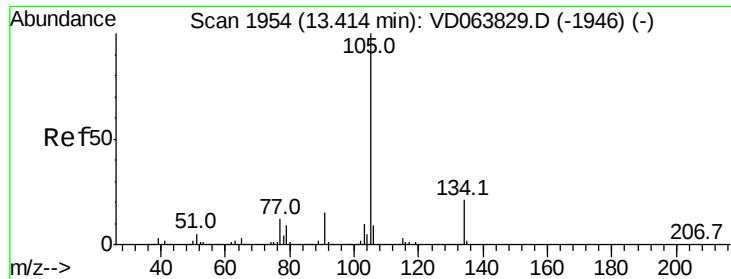
120 42.1 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.413 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

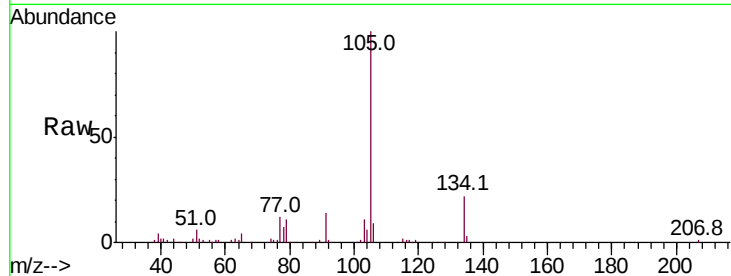
ClientSampleId :

Tot Ion:105 Resp: 70327

Ion Ratio Lower Upper

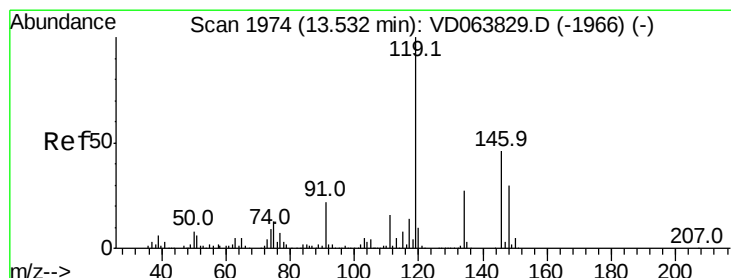
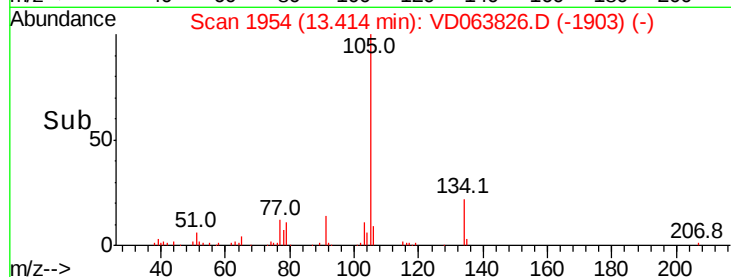
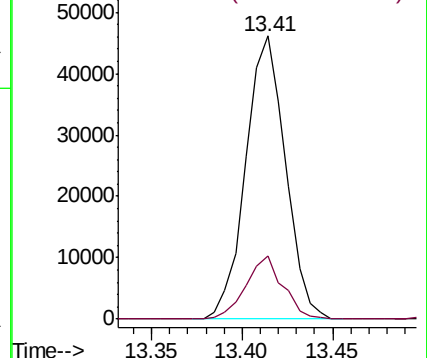
105 100

134 20.8 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.251 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

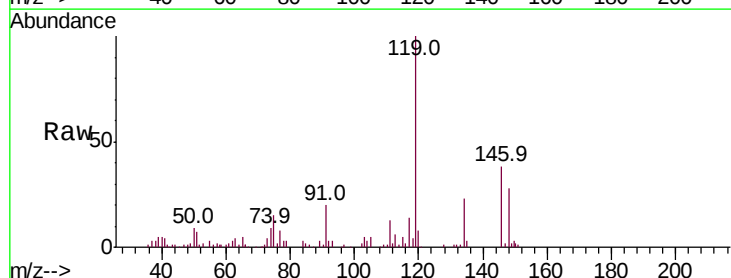
Tgt Ion:119 Resp: 64073

Ion Ratio Lower Upper

119 100

134 27.5 13.2 39.6

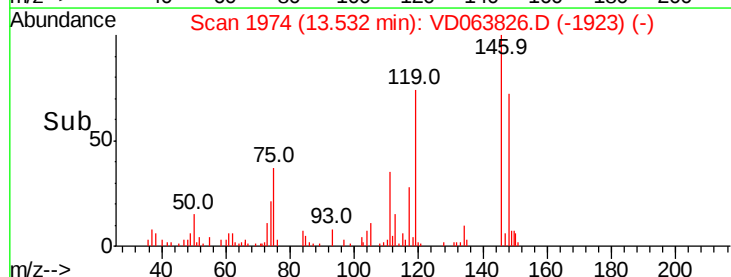
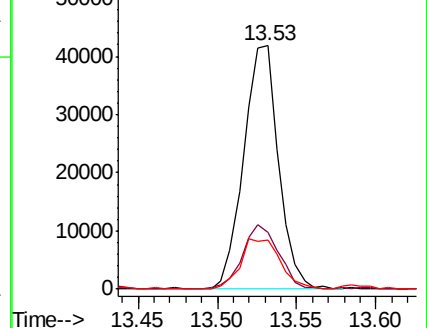
91 23.4 11.4 34.1

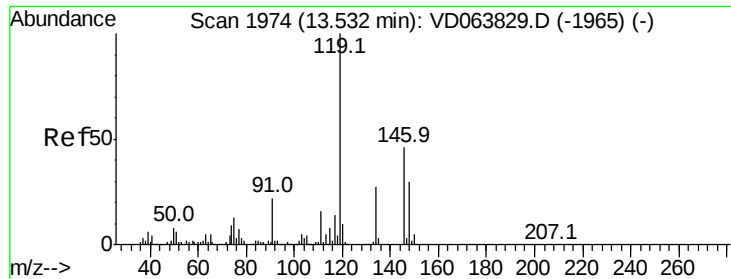


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

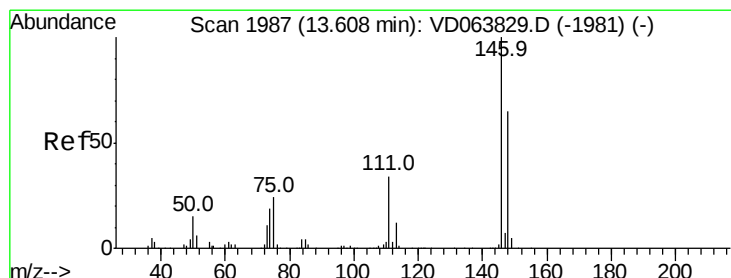
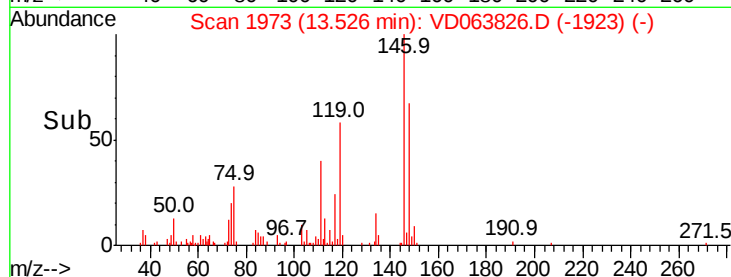
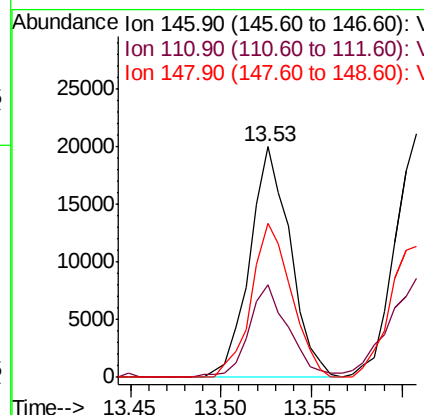
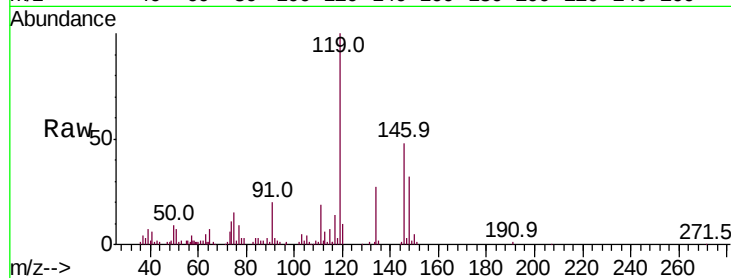




#87
 1,3-Dichlorobenzene
 Concen: 5.129 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

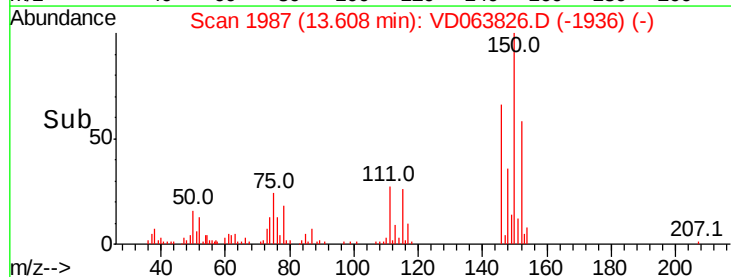
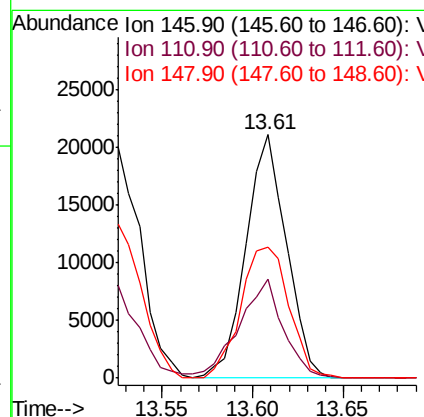
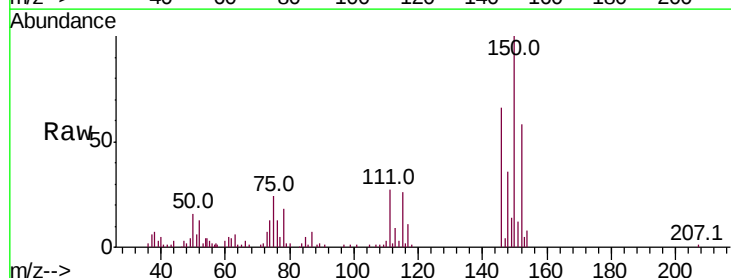
Instrument :
 MSVOA_D
 ClientSampleId :

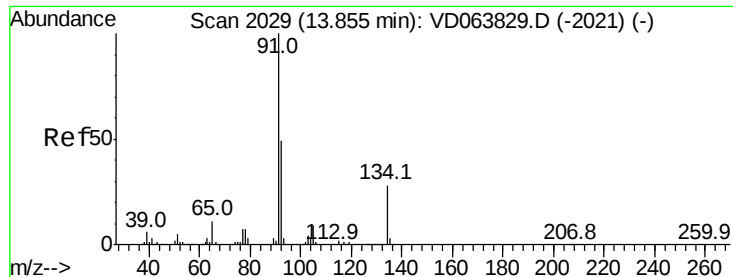
Tot Ion:146 Resp: 31023
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.3 54.8
 148 66.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 5.442 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion:146 Resp: 32738
 Ion Ratio Lower Upper
 146 100
 111 44.9 18.5 55.5
 148 64.2 33.0 99.0

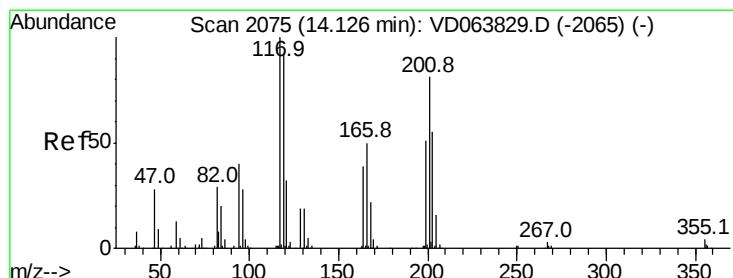
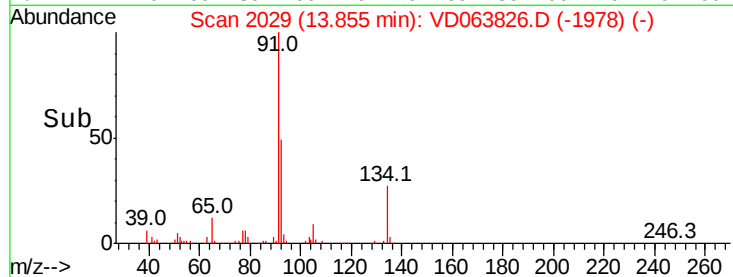
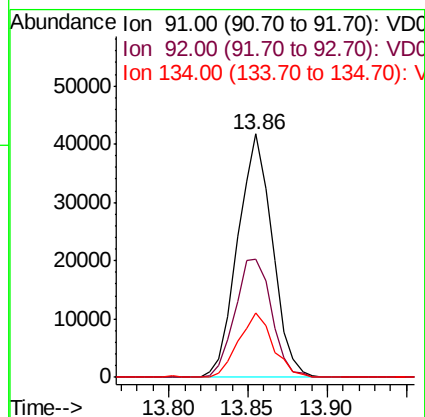
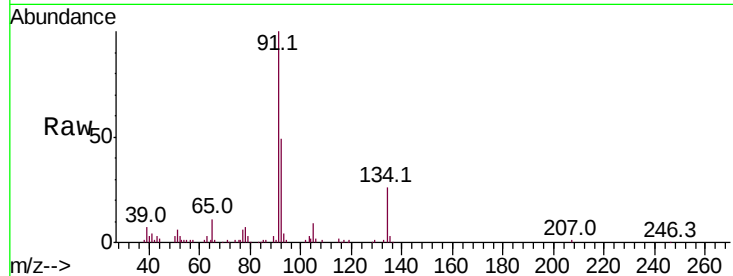




#89
n-Butylbenzene
Concen: 5.441 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

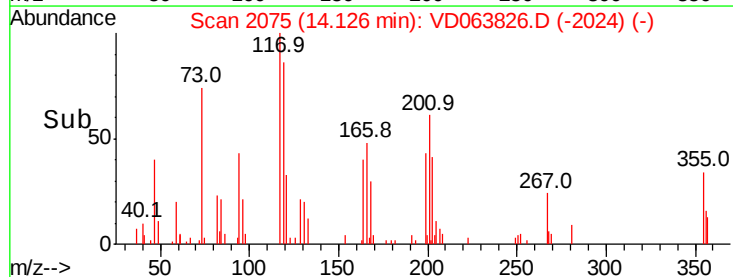
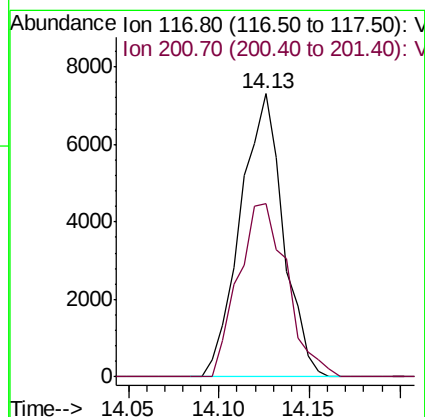
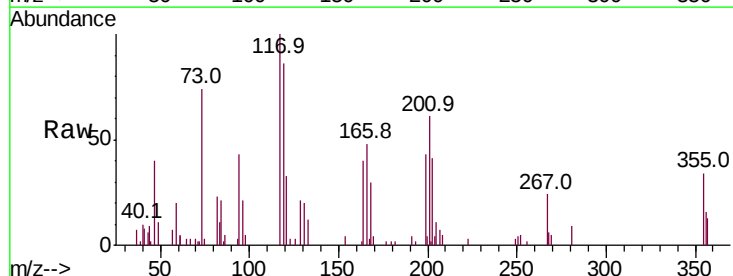
Instrument :
MSVOA_D
ClientSampled :

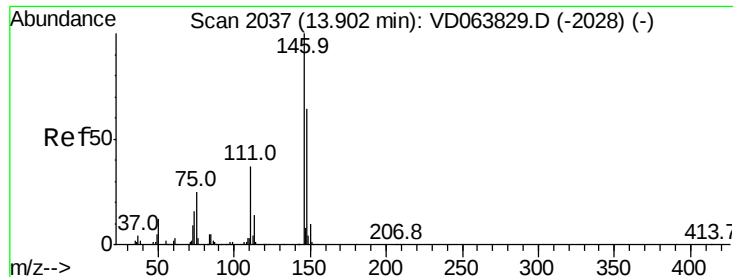
Tot Ion: 91 Resp: 63191
Ion Ratio Lower Upper
91 100
92 51.6 26.1 78.2
134 26.3 14.0 41.9



#90
Hexachloroethane
Concen: 5.313 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 117 Resp: 12007
Ion Ratio Lower Upper
117 100
201 69.8 39.3 117.8

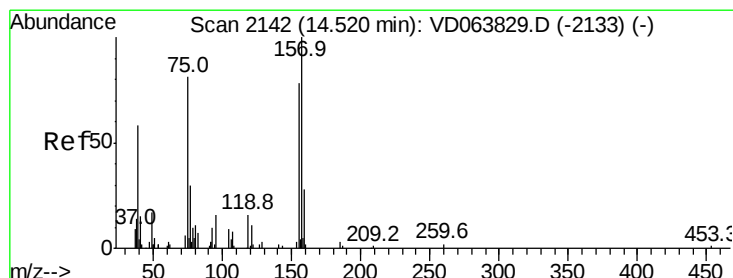
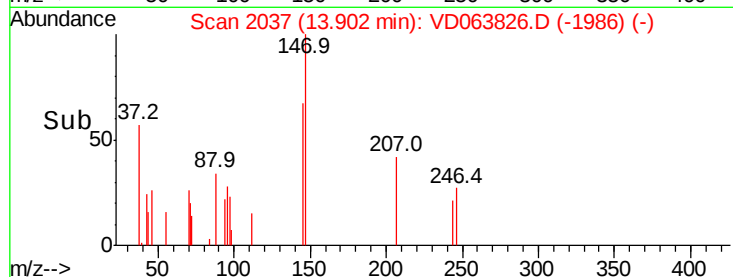
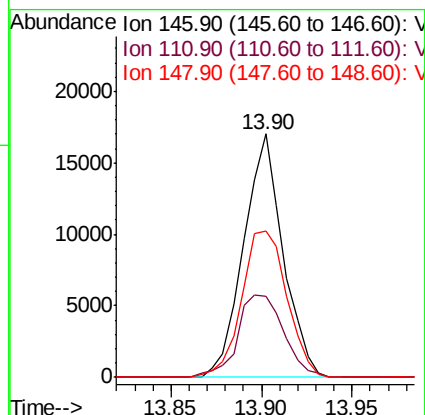
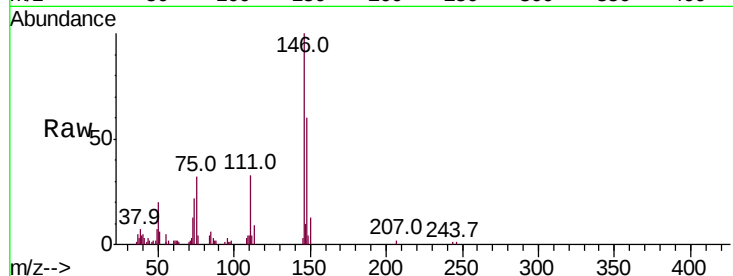




#91
 1,2-Dichlorobenzene
 Concen: 4.950 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

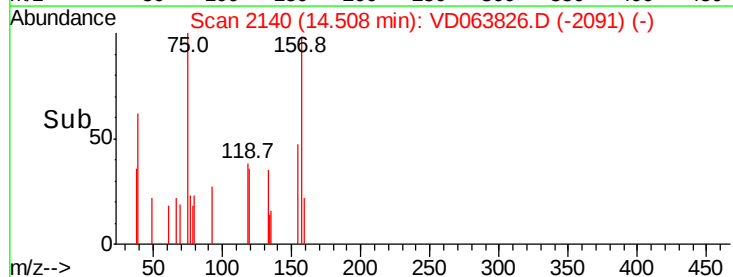
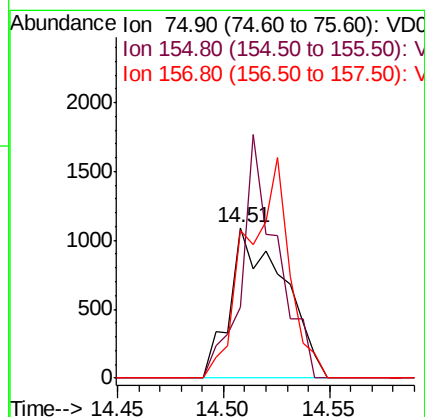
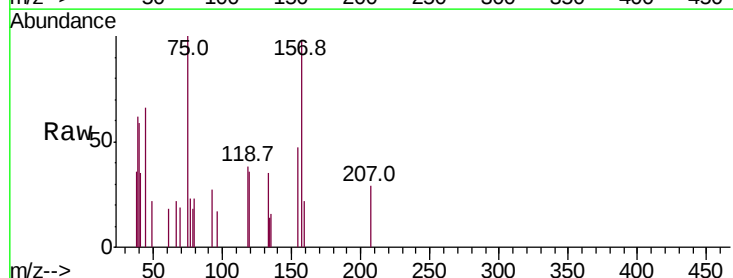
Instrument :
 MSVOA_D
 ClientSampleId :

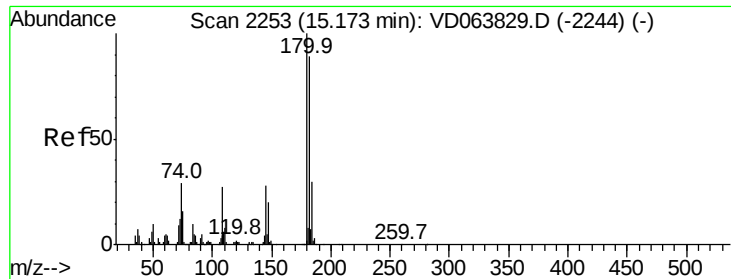
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.9	56.7
148	69.1	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.365 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	48.0	144.0
157	115.9	63.2	189.8

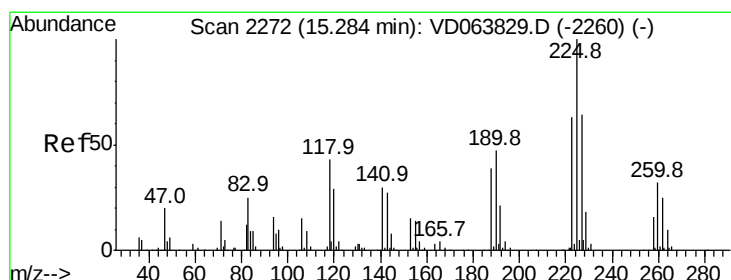
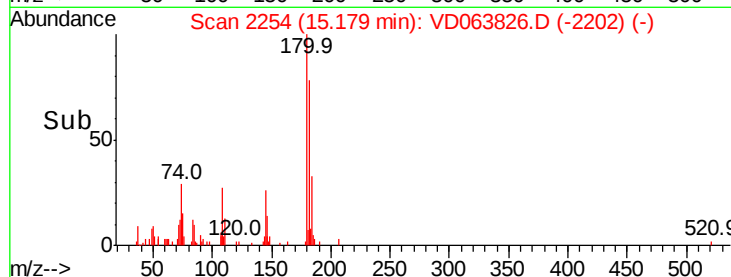
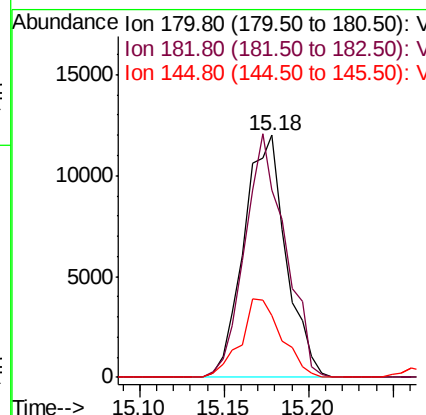
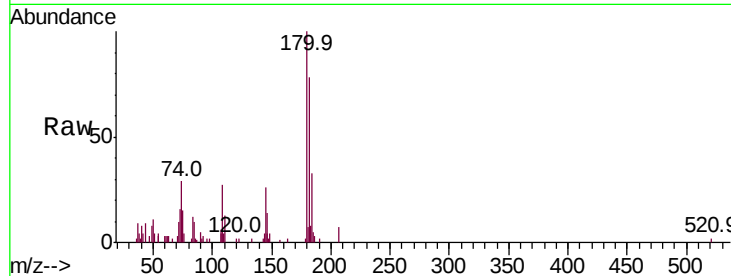




#93
 1,2,4-Trichlorobenzene
 Concen: 5.293 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

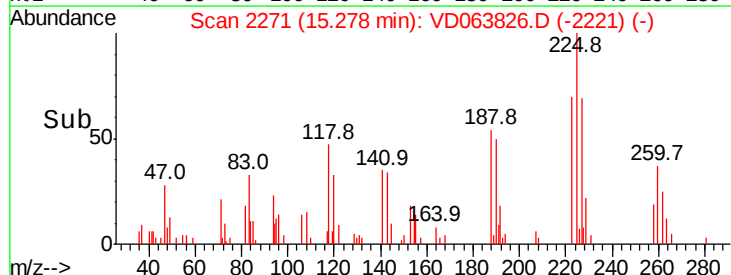
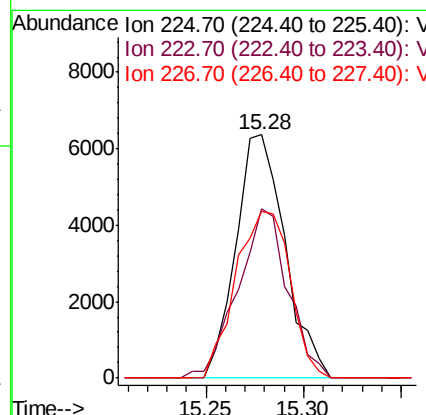
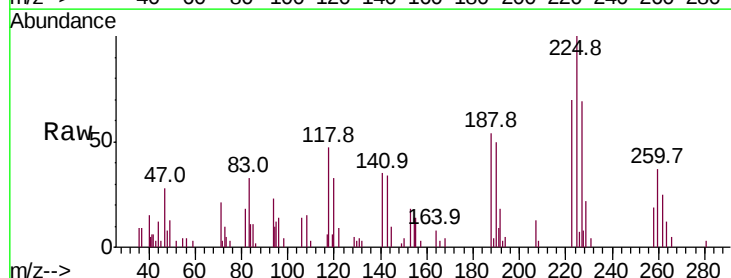
Instrument :
 MSVOA_D
 ClientSampleId :

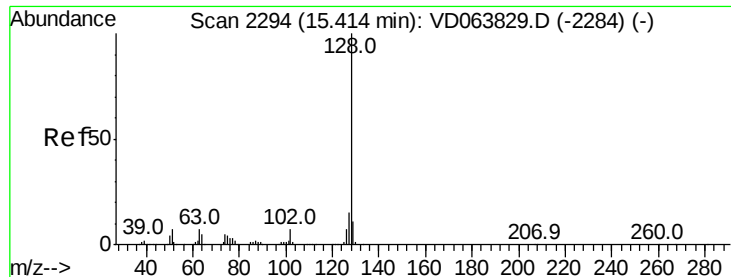
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.5	139.5
145	31.6	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 4.961 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	71.3	32.8	98.3
227	75.9	32.8	98.3

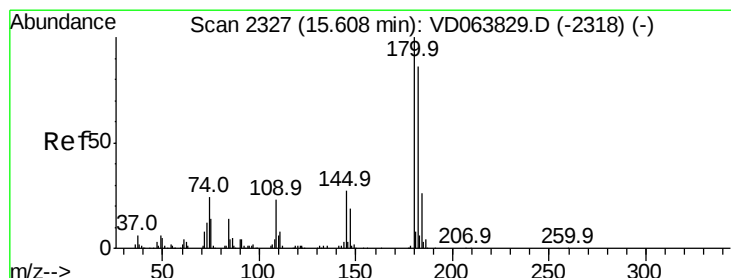
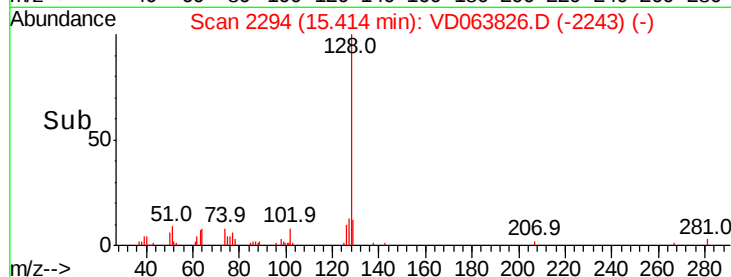
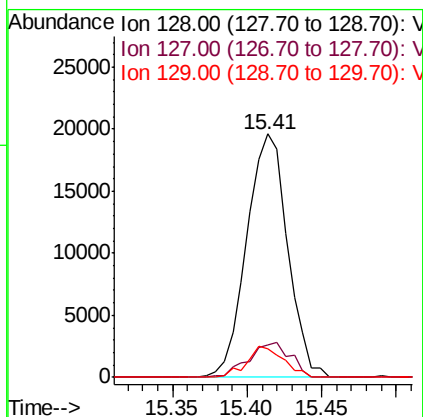
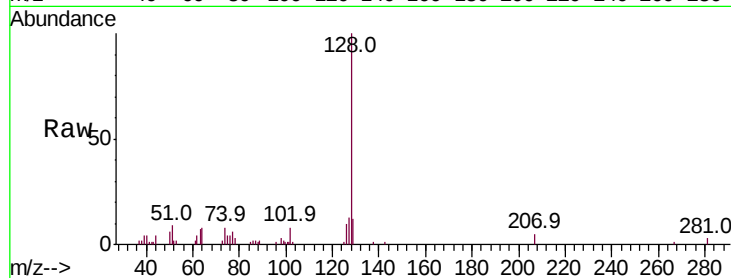




#95
Naphthalene
Concen: 5.256 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 37185
Ion Ratio Lower Upper
128 100
127 14.6 10.8 16.2
129 11.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 5.388 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion:180 Resp: 18821
Ion Ratio Lower Upper
180 100
182 89.0 46.6 139.7
145 34.0 14.5 43.5

