

Data File : VD064493.D
Acq On : 11 Dec 2019 11:04
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Quant Time: Dec 12 03:02:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	468416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	666050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	581559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	194817	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.91	113	205858	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.34	98	795551	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.64	95	247020	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	209382	49.333	ug/l	100
3) Chloromethane	2.21	50	260741	48.707	ug/l	96
4) Vinyl Chloride	2.35	62	322409	52.162	ug/l	99
5) Bromomethane	2.77	94	206232	45.119	ug/l	100
6) Chloroethane	2.93	64	207371	50.195	ug/l	97
7) Trichlorofluoromethane	3.27	101	549646	53.492	ug/l	96
8) Diethyl Ether	3.71	74	97177	45.512	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	233371	52.970	ug/l	96
10) Methyl Iodide	4.30	142	251528	54.062	ug/l	99
11) Tert butyl alcohol	5.25	59	60822	225.360	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	217695	51.561	ug/l	96
13) Acrolein	3.92	56	88326	239.937	ug/l	100
14) Allyl chloride	4.71	41	334890	50.825	ug/l	99
15) Acrylonitrile	5.43	53	209539	224.417	ug/l	98
16) Acetone	4.17	43	247295	288.630	ug/l	99
17) Carbon Disulfide	4.40	76	675777	50.537	ug/l	98
18) Methyl Acetate	4.73	43	106263	42.519	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	442730	45.714	ug/l	98
20) Methylene Chloride	4.96	84	224526	51.729	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	239227	50.091	ug/l	99
22) Diisopropyl ether	6.37	45	628920	48.350	ug/l	97
23) Vinyl Acetate	6.31	43	1830139	238.658	ug/l	99
24) 1,1-Dichloroethane	6.26	63	398998	51.006	ug/l	98
25) 2-Butanone	7.22	43	283789	234.212	ug/l	95
26) 2,2-Dichloropropane	7.20	77	376881	55.399	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	252162	48.430	ug/l	94
28) Bromochloromethane	7.54	49	134313	50.241	ug/l	98
29) Tetrahydrofuran	7.57	42	166328	215.759	ug/l	99
30) Chloroform	7.71	83	406119	50.129	ug/l	99
31) Cyclohexane	7.98	56	386479	57.254	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	393225	52.353	ug/l	100
36) 1,1-Dichloropropene	8.11	75	337852	53.628	ug/l	99
37) Ethyl Acetate	7.30	43	123771	46.301	ug/l	98
38) Carbon Tetrachloride	8.09	117	367692	55.300	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	425038	54.389	ug/l	100
40) Benzene	8.35	78	902928	51.603	ug/l	99
41) Methacrylonitrile	7.53	41	74597	48.660	ug/l	95
42) 1,2-Dichloroethane	8.43	62	252378	49.459	ug/l	99
43) Isopropyl Acetate	8.46	43	239351	45.539	ug/l	98
44) Trichloroethene	9.11	130	270277	51.279	ug/l	97
45) 1,2-Dichloropropane	9.39	63	214937	51.363	ug/l	100
46) Dibromomethane	9.47	93	115235	48.791	ug/l	99
47) Bromodichloromethane	9.66	83	311409	51.315	ug/l	98
48) Methyl methacrylate	9.46	41	110700	46.027	ug/l	94
49) 1,4-Dioxane	9.47	88	25846	886.198	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	596132	229.227	ug/l	100
52) Toluene	10.40	92	591426	51.865	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	287400	49.692	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	349332	50.843	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	155664	48.134	ug/l	98
56) Ethyl methacrylate	10.66	69	193934	47.017	ug/l	98
57) 1,3-Dichloropropane	10.95	76	263405	47.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	359701	218.757	ug/l	100
59) 2-Hexanone	10.98	43	438051	242.749	ug/l	99
60) Dibromochloromethane	11.14	129	212376	48.434	ug/l	98
61) 1,2-Dibromoethane	11.25	107	151157	46.812	ug/l	99
64) Tetrachloroethene	10.87	164	236830	53.402	ug/l	93
65) Chlorobenzene	11.67	112	613484	50.578	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	232097	51.690	ug/l	100
67) Ethyl Benzene	11.74	91	1141336	52.886	ug/l	98
68) m/p-Xylenes	11.86	106	881165	107.085	ug/l	100
69) o-Xylene	12.18	106	400517	52.702	ug/l	99
70) Styrene	12.20	104	683376	51.746	ug/l	100
71) Bromoform	12.36	173	128433	47.809	ug/l #	97
73) Isopropylbenzene	12.48	105	1106877	53.291	ug/l	100
74) N-amyl acetate	12.29	43	220779	46.833	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	156473	45.555	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	213761	90.006	ug/l #	100
77) Bromobenzene	12.77	156	260008	50.692	ug/l	98
78) n-propylbenzene	12.83	91	1290427	53.846	ug/l	100
79) 2-Chlorotoluene	12.91	91	680289	51.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	891651	52.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	53052	48.708	ug/l	97
82) 4-Chlorotoluene	13.01	91	728757	52.196	ug/l	100
83) tert-Butylbenzene	13.23	119	796143	53.952	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	880306	51.578	ug/l	100
85) sec-Butylbenzene	13.41	105	1098982	54.263	ug/l	99
86) p-Isopropyltoluene	13.52	119	1030341	53.886	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	496192	50.969	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	481417	50.088	ug/l	99
89) n-Butylbenzene	13.85	91	945918	54.476	ug/l	99
90) Hexachloroethane	14.12	117	189310	52.935	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	413512	49.702	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25834	50.368	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121119\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	310965	48.804	ug/l	98
94) Hexachlorobutadiene	15.28	225	206066	52.387	ug/l	99
95) Naphthalene	15.41	128	484145	45.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	263617	48.468	ug/l	99

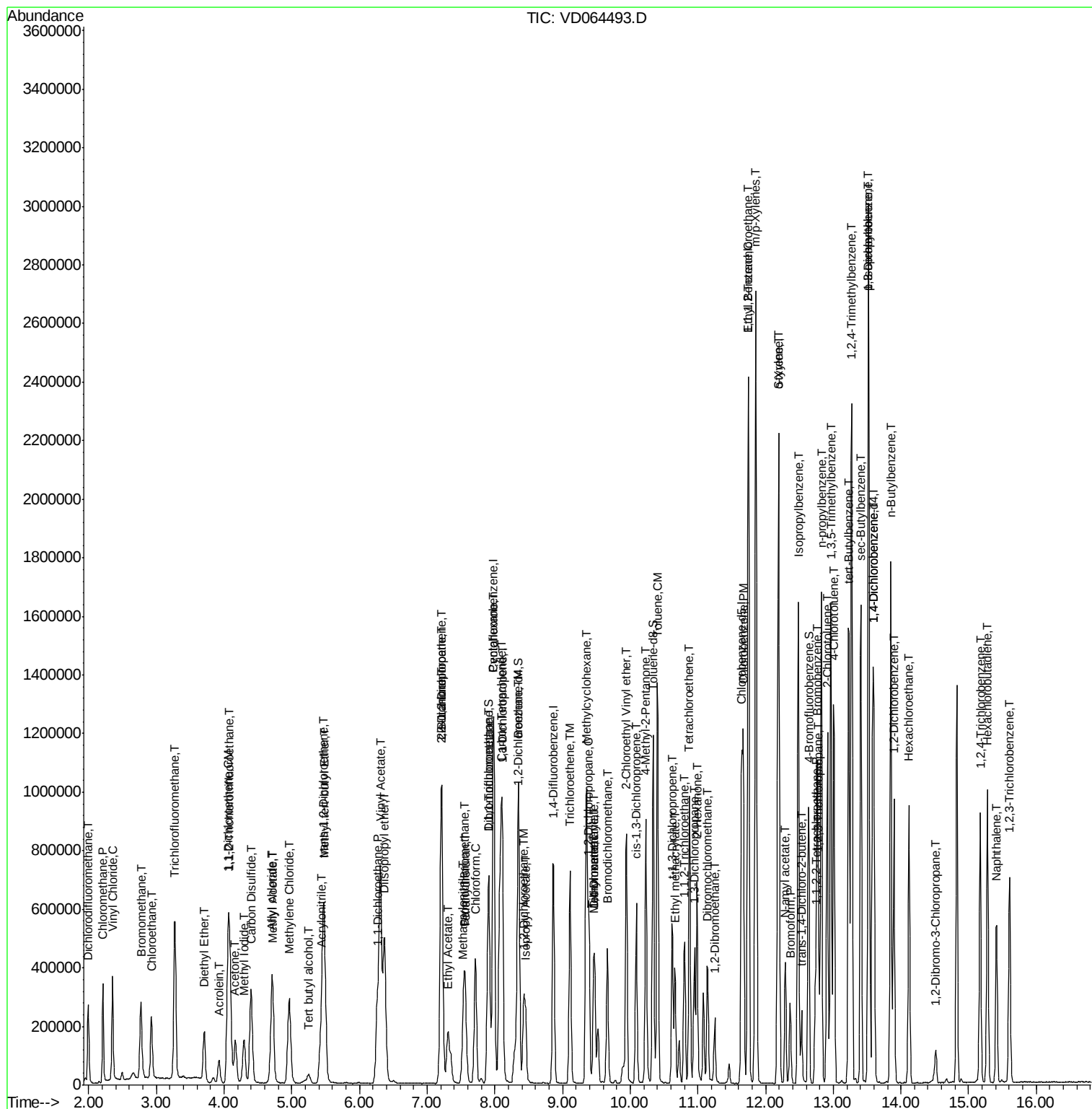
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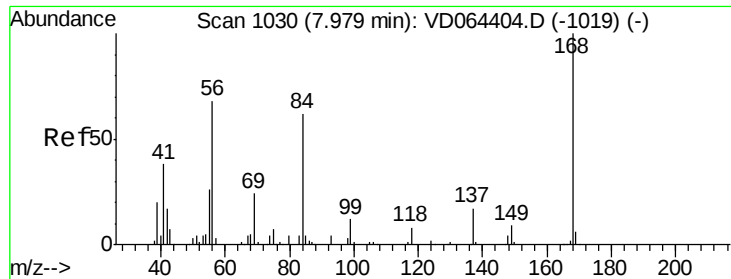
Data File : VD064493.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

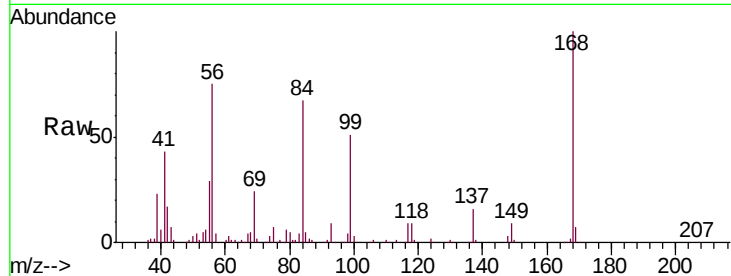
VSTD05006

Tgt Ion:168 Resp: 468416

Ion Ratio Lower Upper

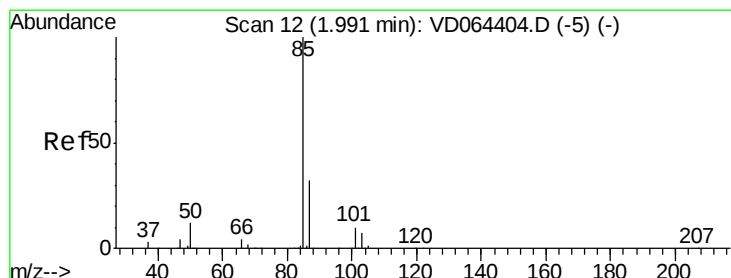
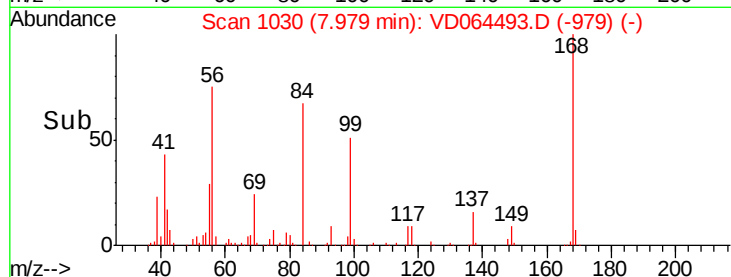
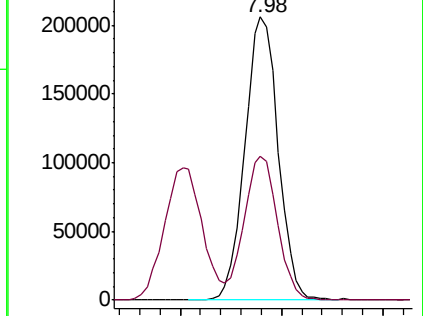
168 100

99 50.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.333 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064493.D

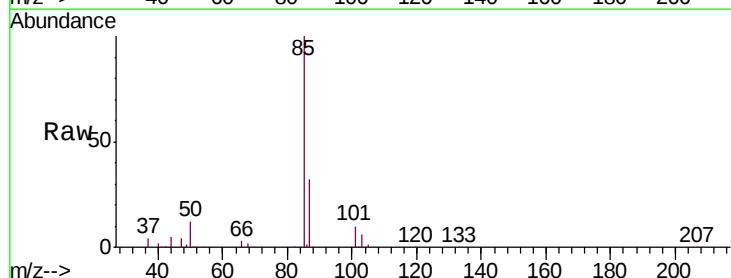
Acq: 11 Dec 2019 11:04

Tgt Ion: 85 Resp: 209382

Ion Ratio Lower Upper

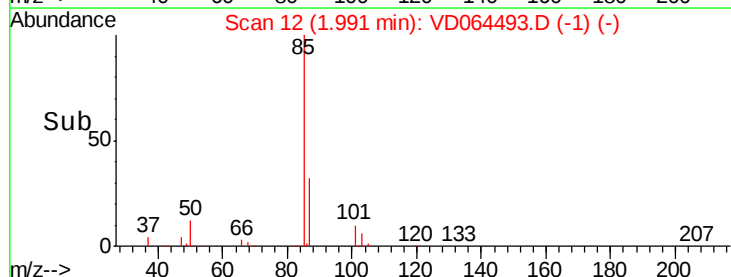
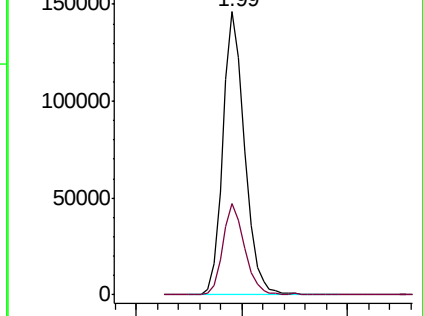
85 100

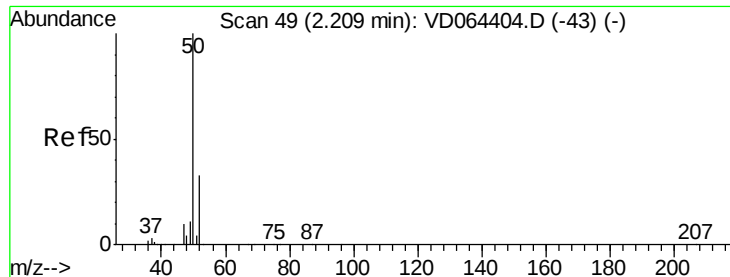
87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.707 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

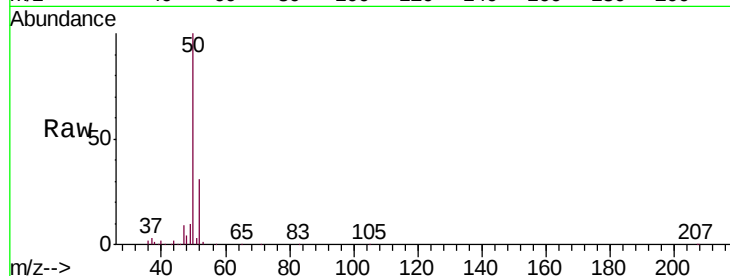
VSTD05006

Tgt Ion: 50 Resp: 260741

Ion Ratio Lower Upper

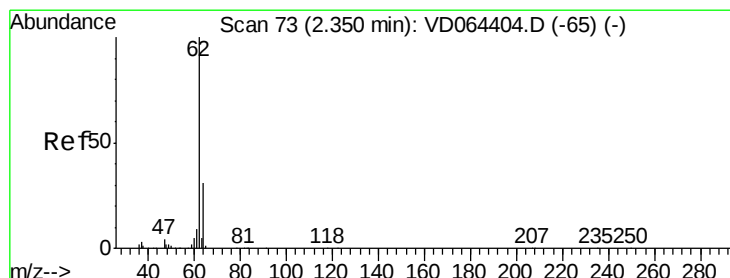
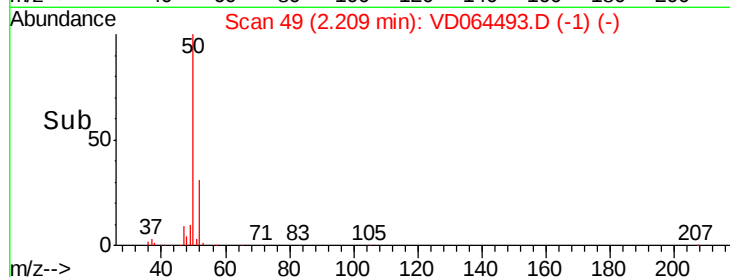
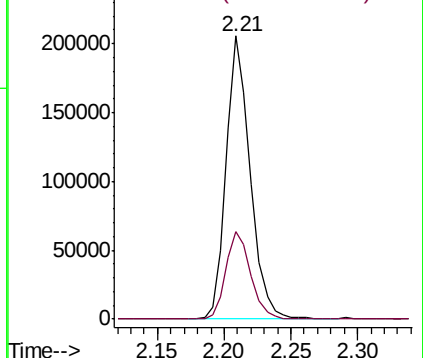
50 100

52 31.1 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.162 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064493.D

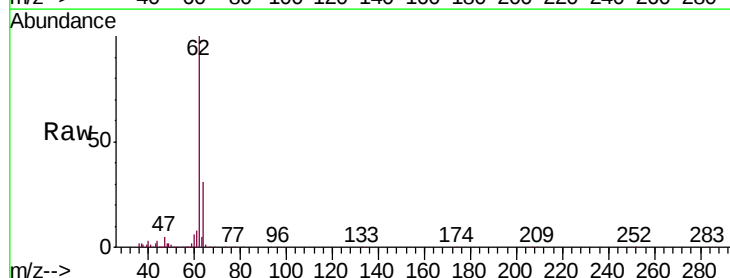
Acq: 11 Dec 2019 11:04

Tgt Ion: 62 Resp: 322409

Ion Ratio Lower Upper

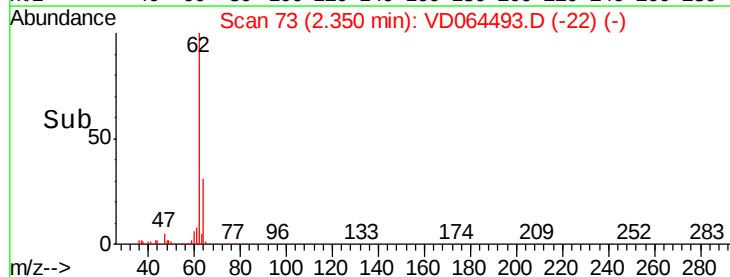
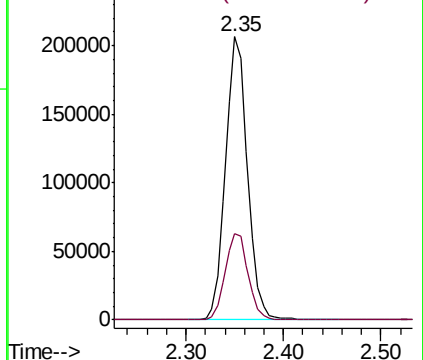
62 100

64 30.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.119 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

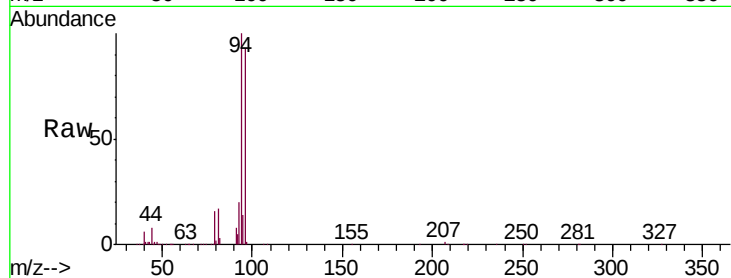
VSTD05006

Tgt Ion: 94 Resp: 206232

Ion Ratio Lower Upper

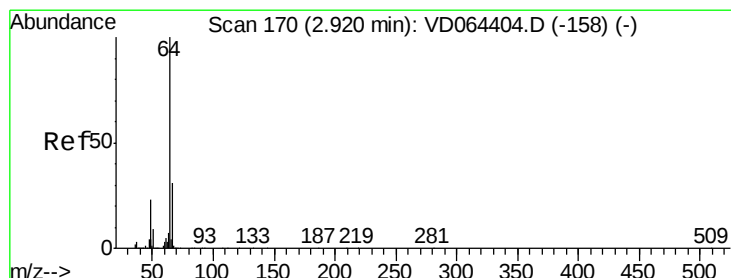
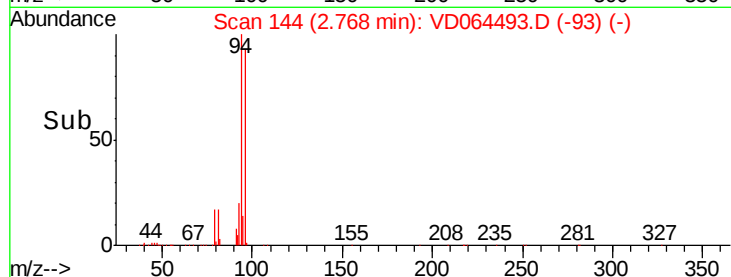
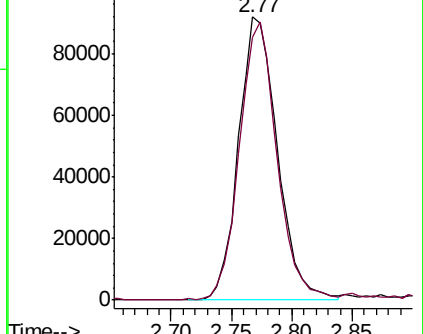
94 100

96 92.3 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.195 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064493.D

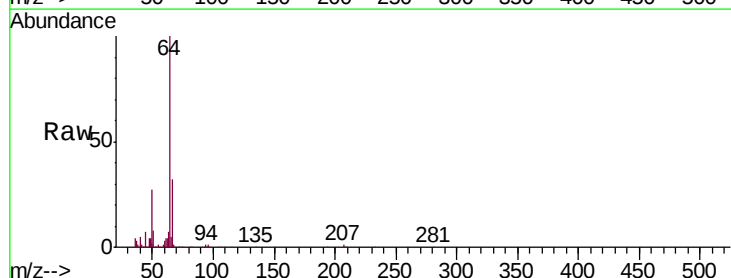
Acq: 11 Dec 2019 11:04

Tgt Ion: 64 Resp: 207371

Ion Ratio Lower Upper

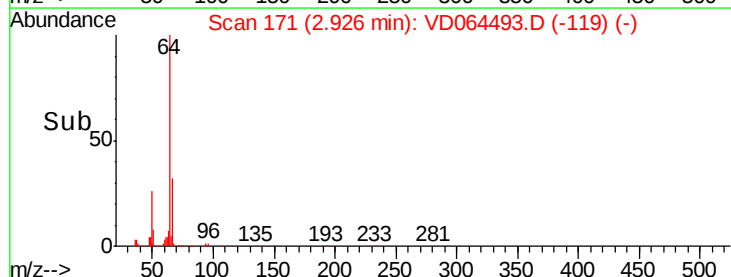
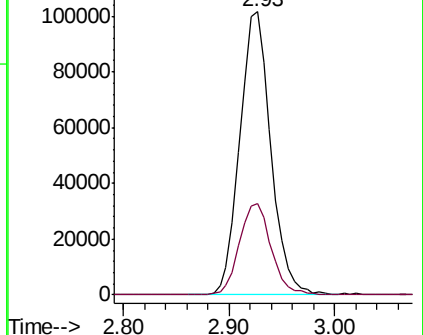
64 100

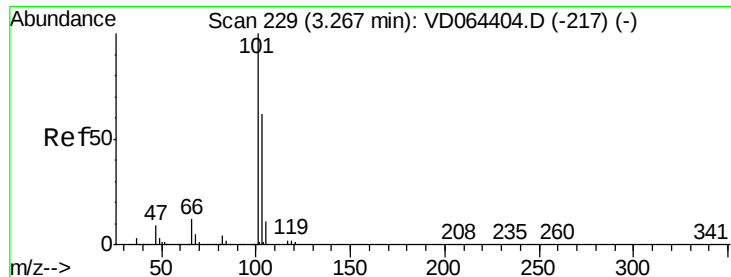
66 32.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



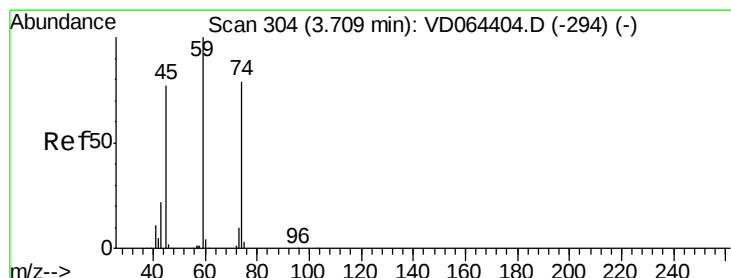
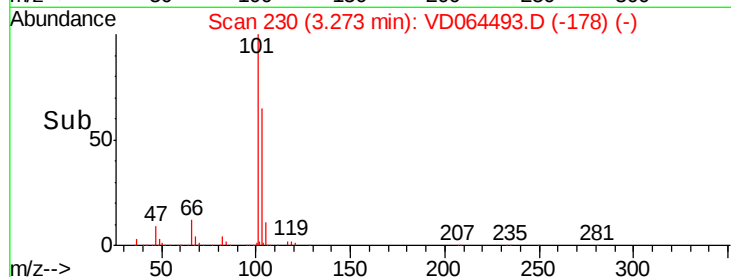
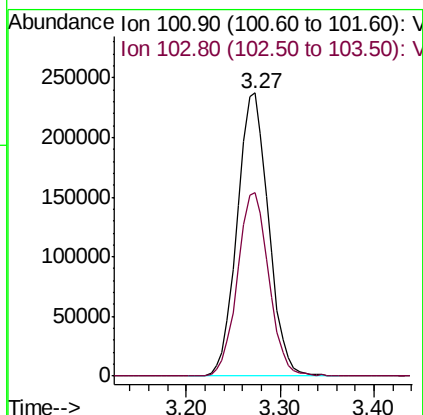
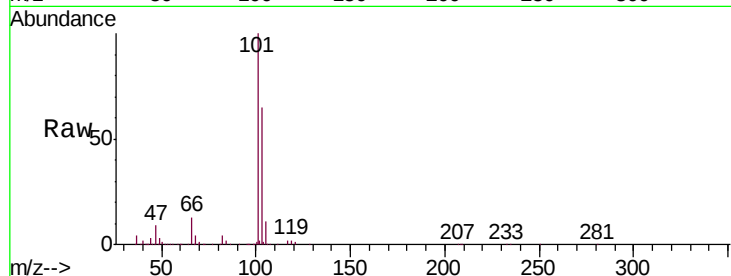


#7

Trichlorofluoromethane
 Concen: 53.492 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Instrument :
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 VSTD05006

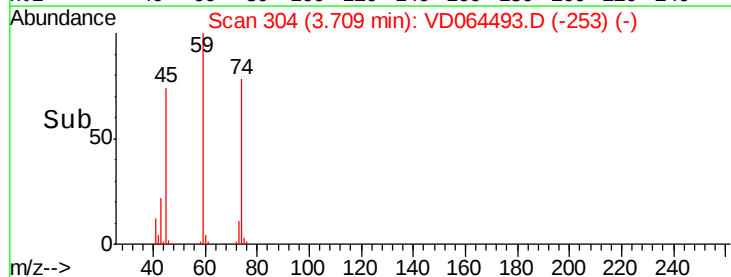
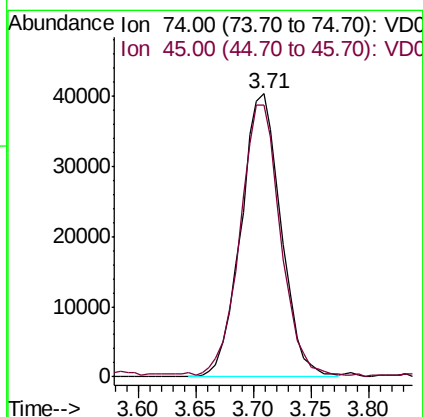
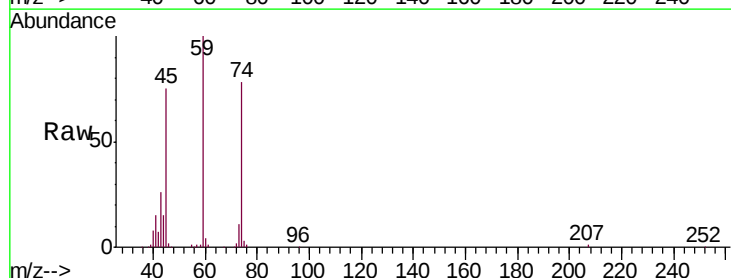
Tgt Ion: 101 Resp: 549646
 Ion Ratio Lower Upper
 101 100
 103 65.0 49.8 74.6

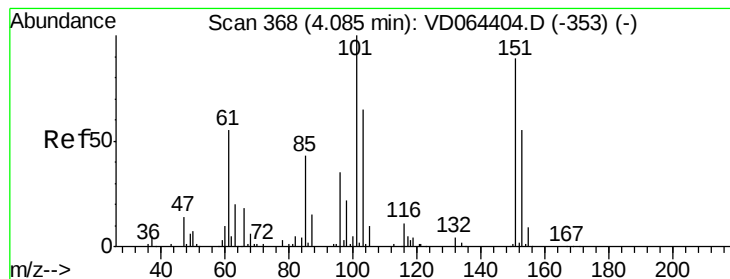


#8

Diethyl Ether
 Concen: 45.512 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion: 74 Resp: 97177
 Ion Ratio Lower Upper
 74 100
 45 96.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.970 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

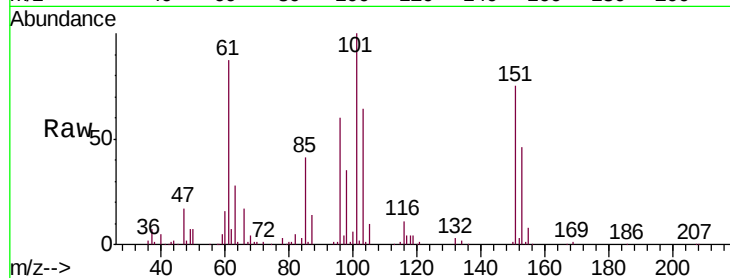
Tgt Ion:101 Resp: 233371

Ion Ratio Lower Upper

101 100

85 44.0 34.8 52.2

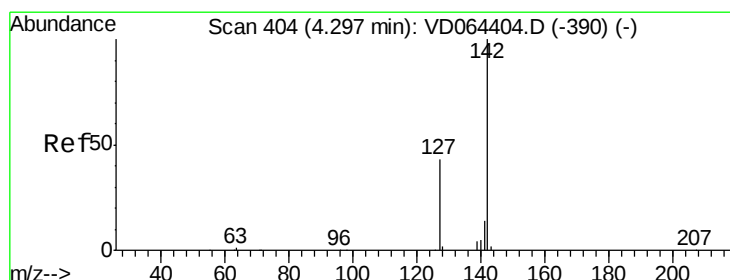
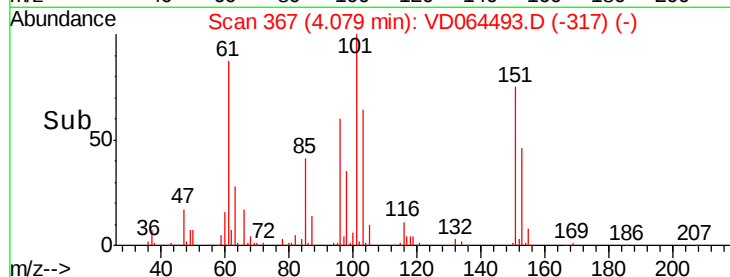
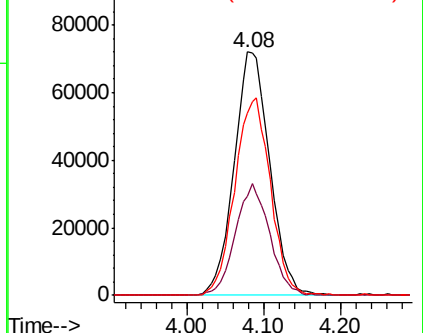
151 81.1 68.8 103.2



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: 54.062 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

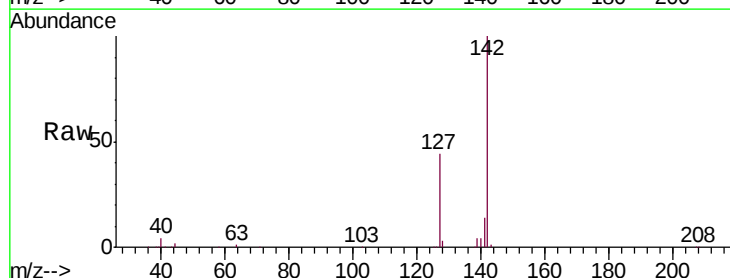
Tgt Ion:142 Resp: 251528

Ion Ratio Lower Upper

142 100

127 44.9 35.3 52.9

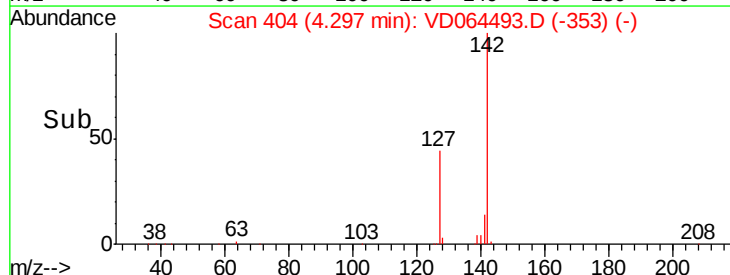
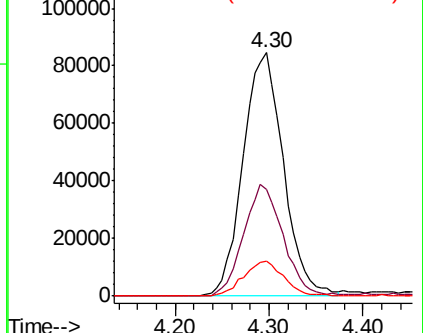
141 14.5 11.6 17.4

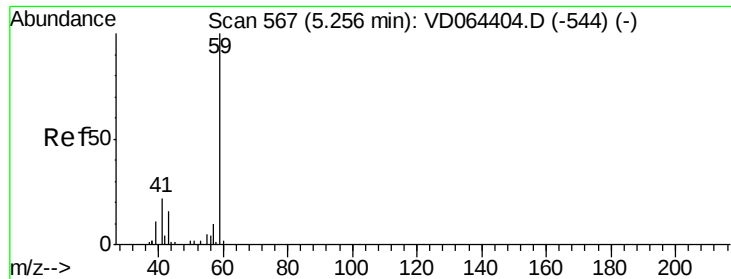


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

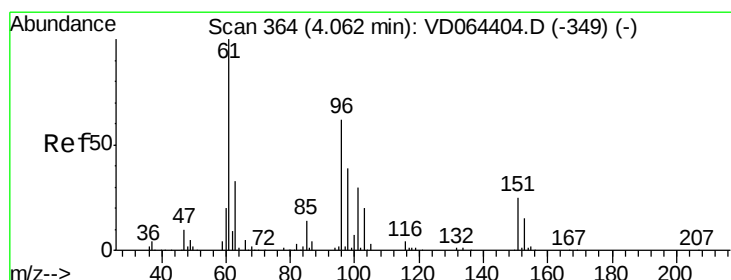
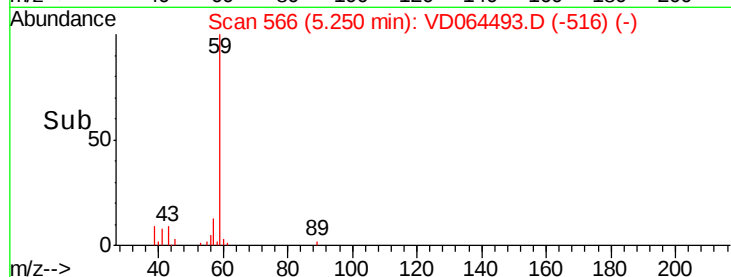
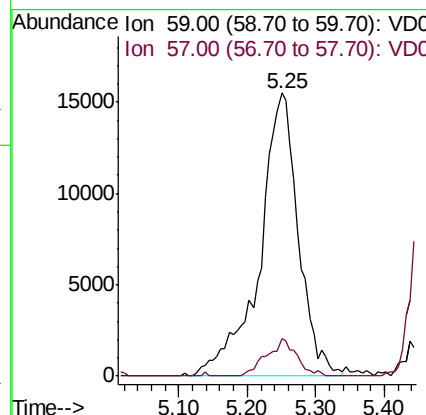
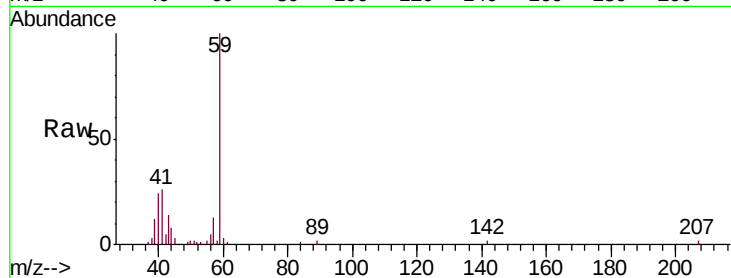




#11
Tert butyl alcohol
Concen: 225.360 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

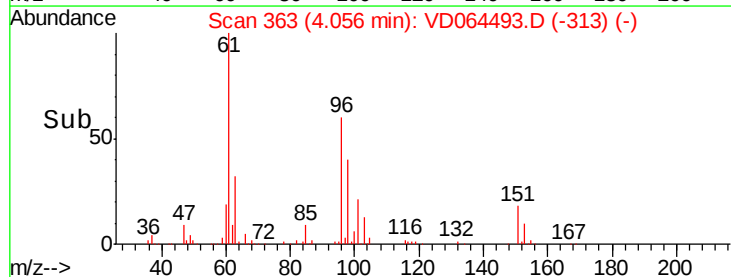
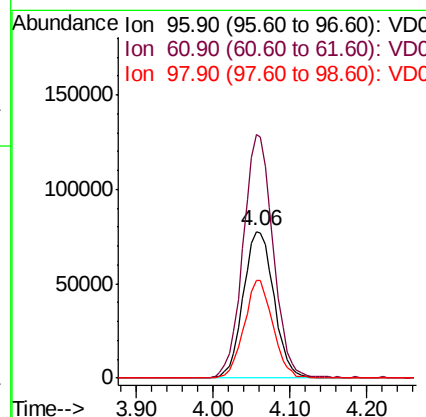
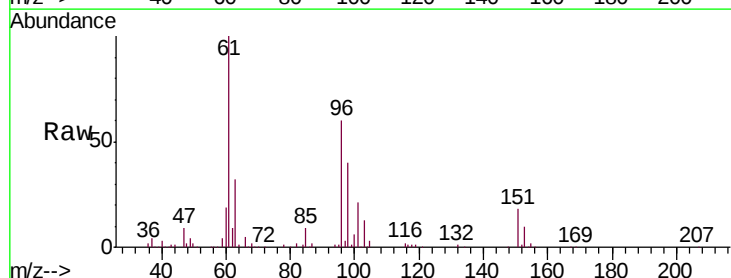
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

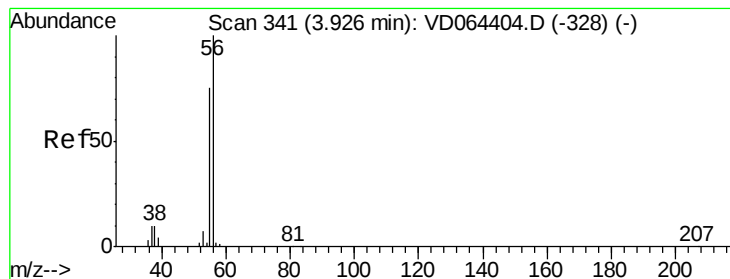
Tgt Ion: 59 Resp: 60822
Ion Ratio Lower Upper
59 100
57 10.4 0.0 0.0#



#12
1,1-Dichloroethene
Concen: 51.561 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion: 96 Resp: 217695
Ion Ratio Lower Upper
96 100
61 166.2 128.2 192.4
98 66.4 50.4 75.6





#13

Acrolein

Concen: 239.937 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

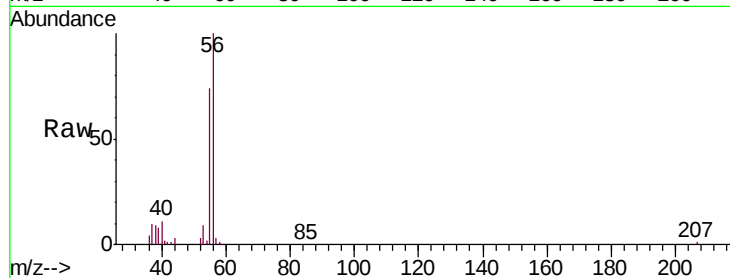
VSTD05006

Tgt Ion: 56 Resp: 88326

Ion Ratio Lower Upper

56 100

55 71.5 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

40000

30000

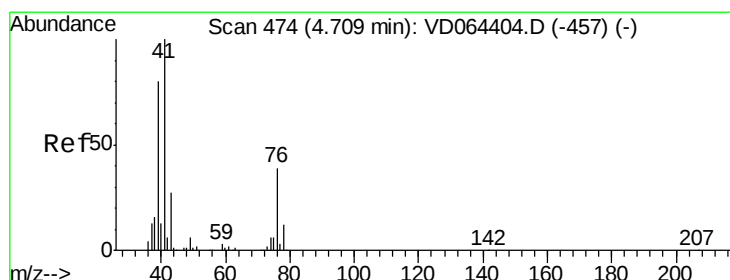
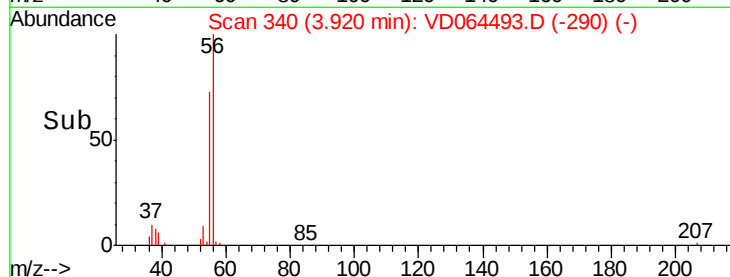
20000

10000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 50.825 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

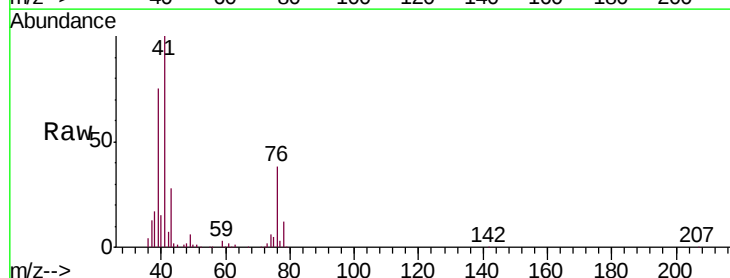
Tgt Ion: 41 Resp: 334890

Ion Ratio Lower Upper

41 100

39 76.9 62.1 93.1

76 38.0 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

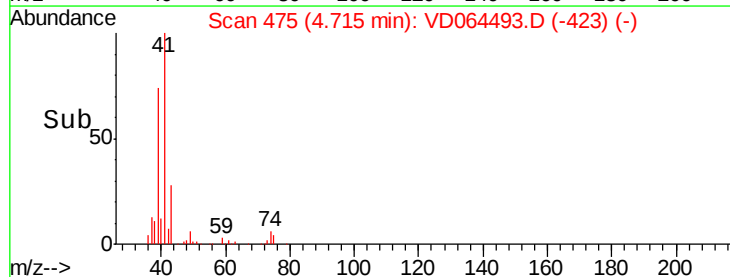
100000

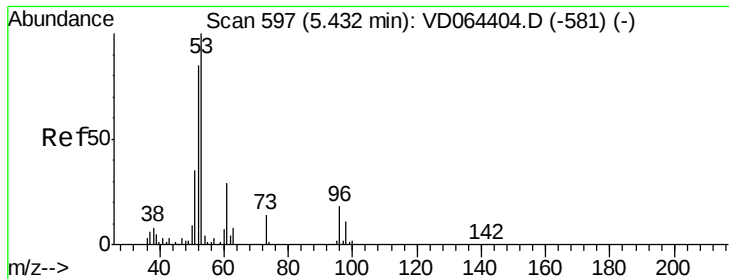
50000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 224.417 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

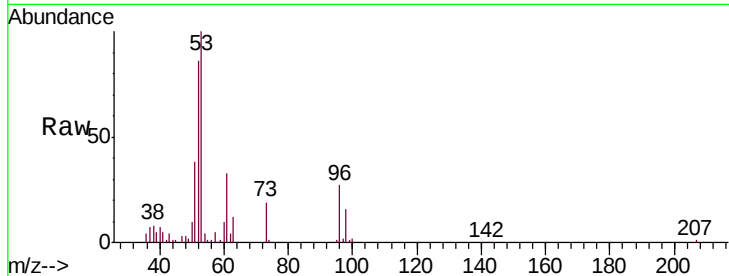
Tgt Ion: 53 Resp: 209539

Ion Ratio Lower Upper

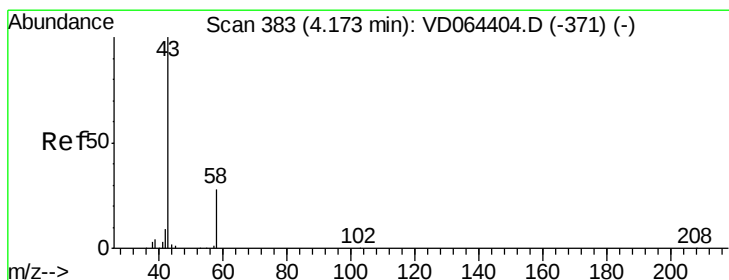
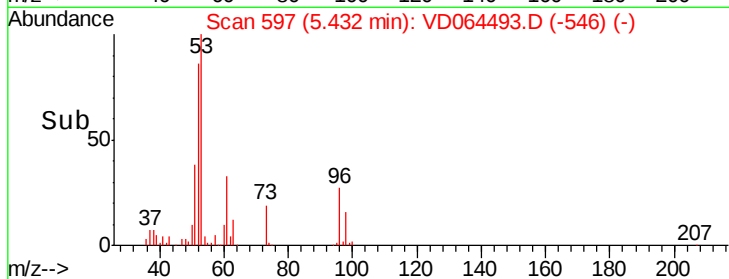
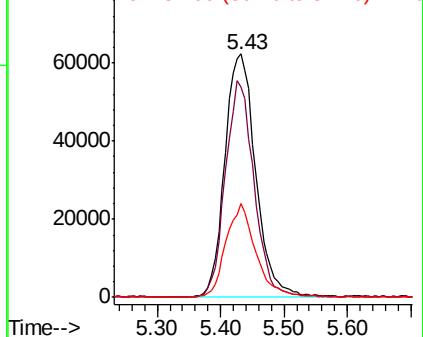
53 100

52 82.3 67.9 101.9

51 37.5 30.6 45.8



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: 288.630 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064493.D

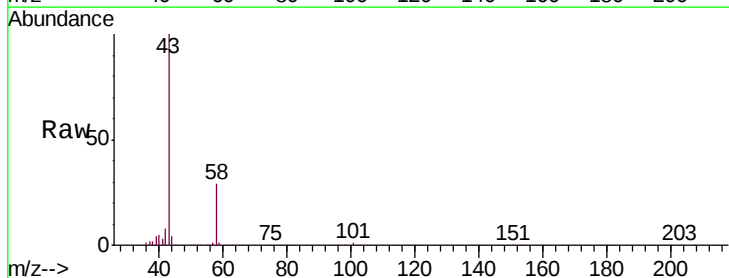
Acq: 11 Dec 2019 11:04

Tgt Ion: 43 Resp: 247295

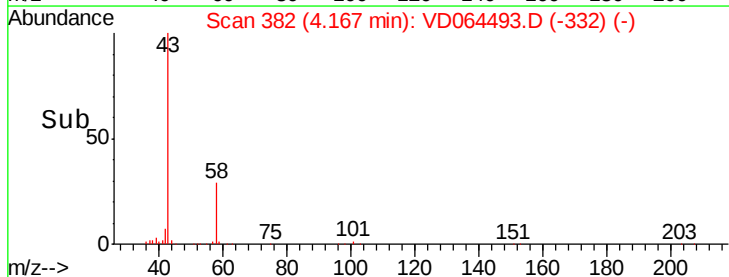
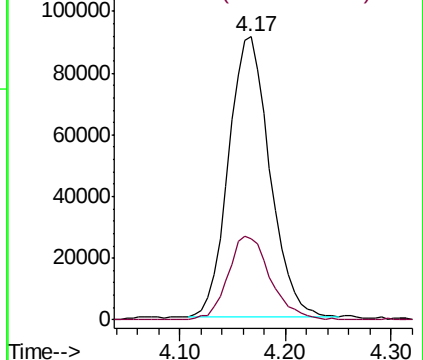
Ion Ratio Lower Upper

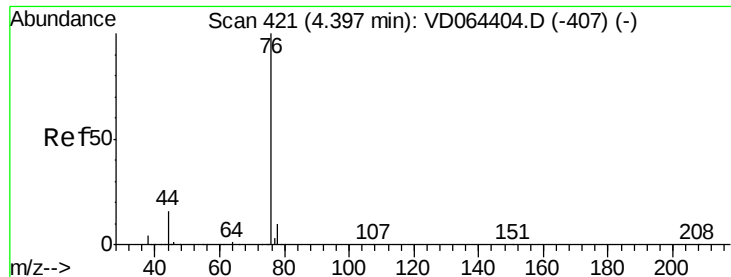
43 100

58 28.9 22.6 33.8



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

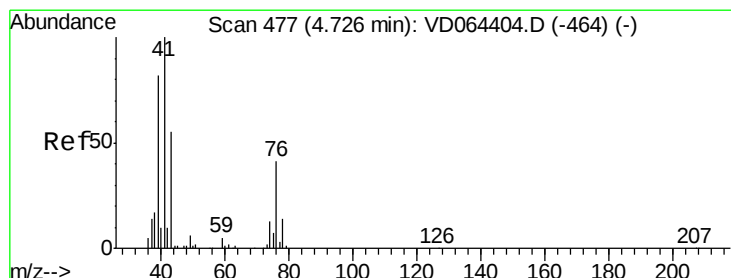
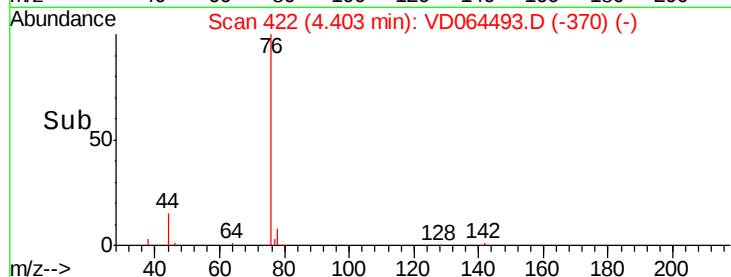
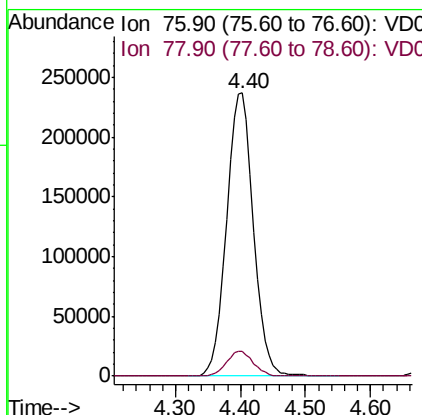
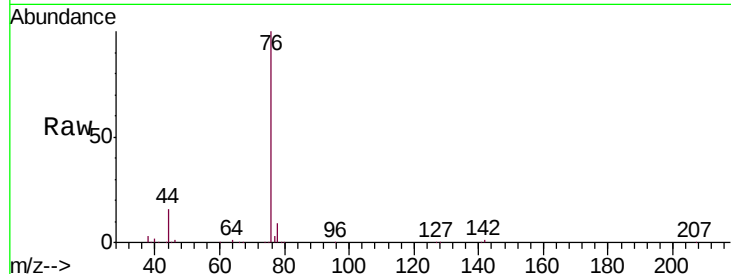




#17
Carbon Disulfide
Concen: 50.537 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

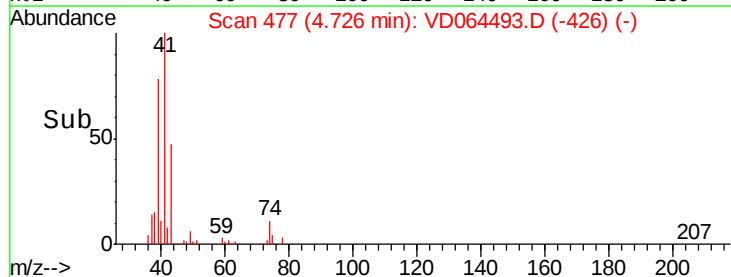
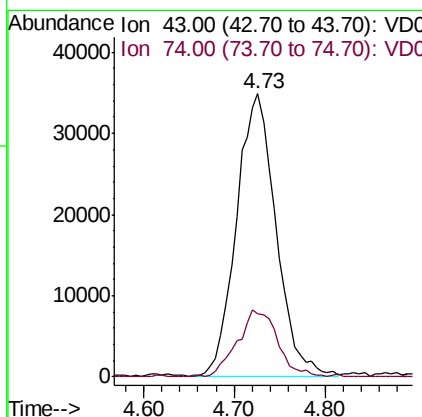
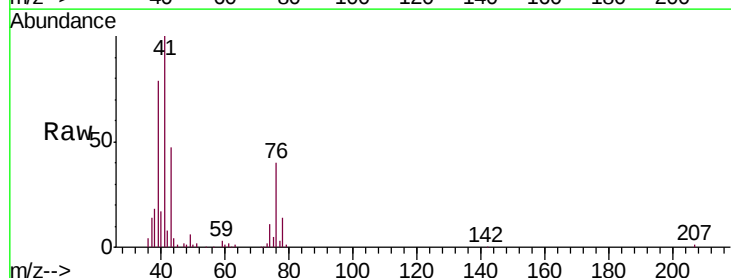
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

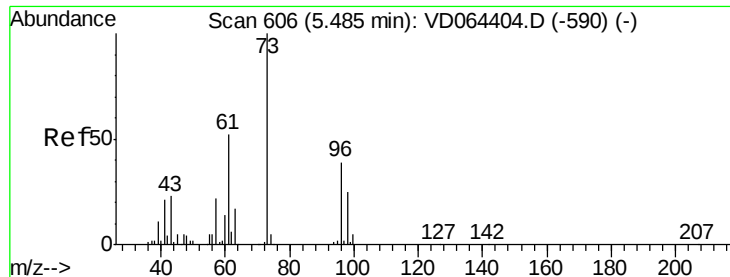
Tgt Ion: 76 Resp: 675777
Ion Ratio Lower Upper
76 100
78 9.0 7.8 11.8



#18
Methyl Acetate
Concen: 42.519 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion: 43 Resp: 106263
Ion Ratio Lower Upper
43 100
74 23.9 19.7 29.5

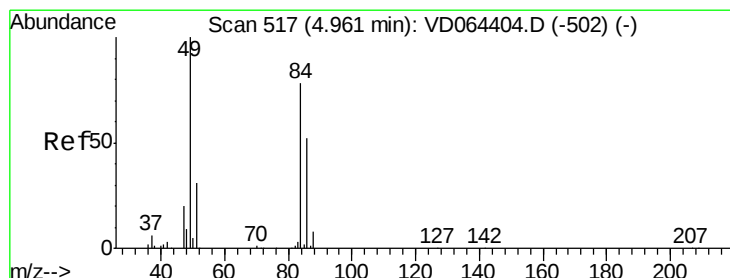
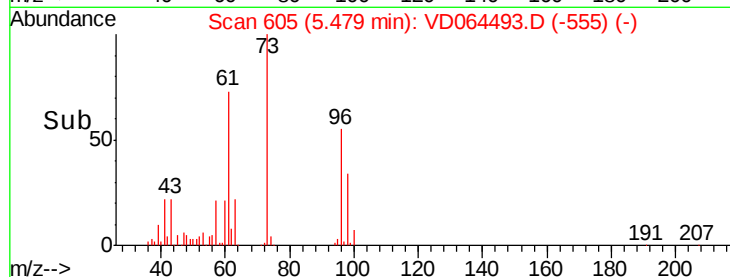
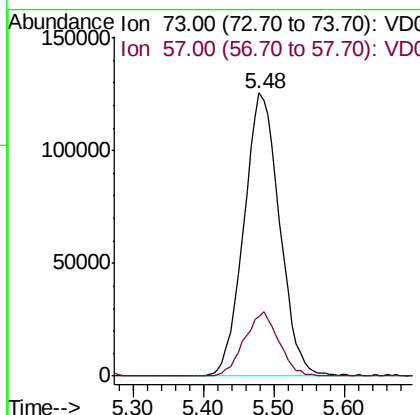
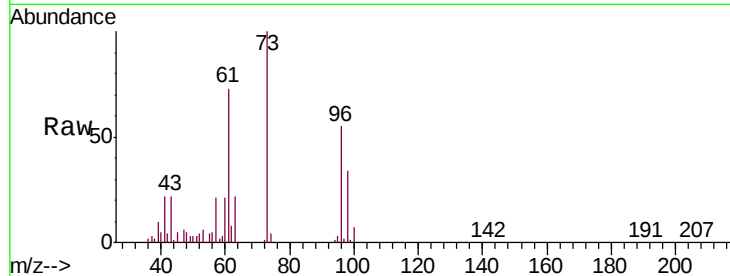




#19
Methyl tert-butyl Ether
Concen: 45.714 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

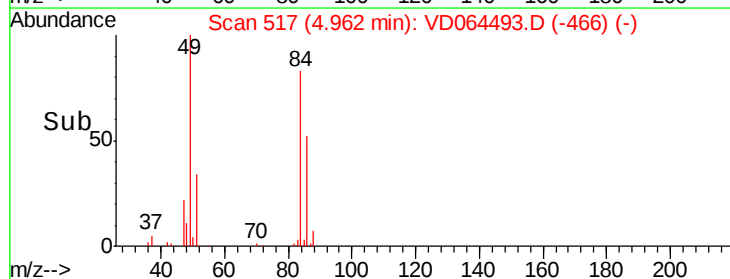
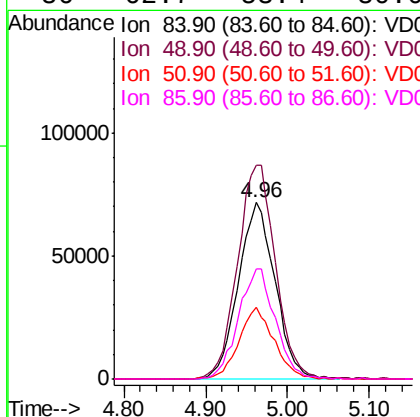
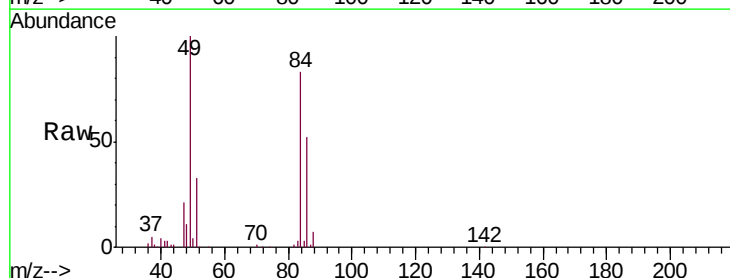
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

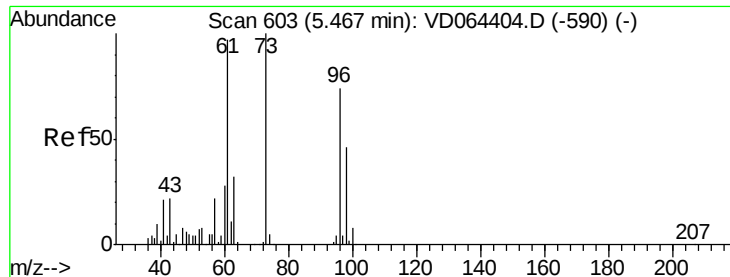
Tgt Ion: 73 Resp: 442730
Ion Ratio Lower Upper
73 100
57 21.2 17.6 26.4



#20
Methylene Chloride
Concen: 51.729 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion: 84 Resp: 224526
Ion Ratio Lower Upper
84 100
49 121.2 102.6 153.8
51 40.5 32.0 48.0
86 62.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 50.091 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

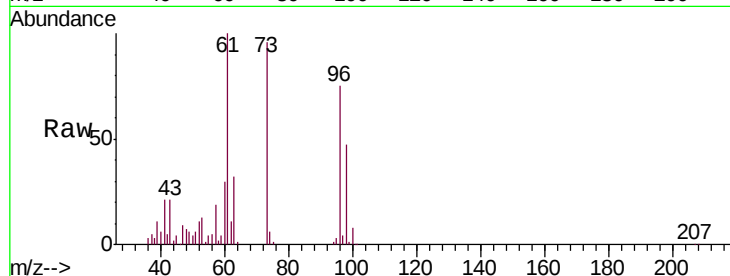
Tgt Ion: 96 Resp: 239227

Ion Ratio Lower Upper

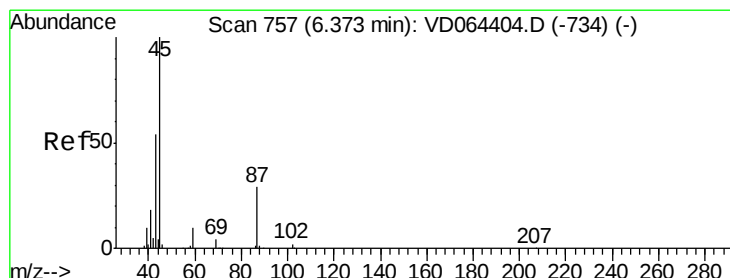
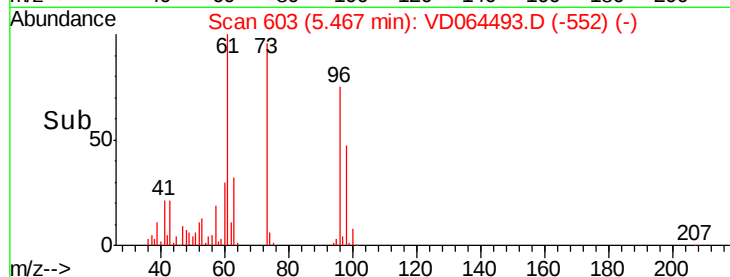
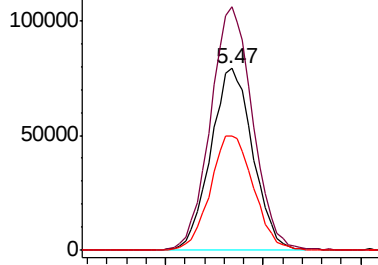
96 100

61 134.1 105.8 158.6

98 63.0 50.1 75.1



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: 48.350 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion: 45 Resp: 628920

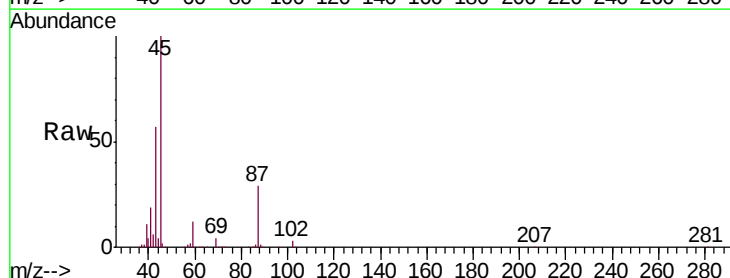
Ion Ratio Lower Upper

45 100

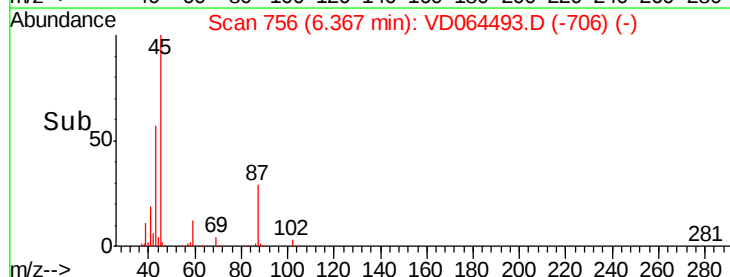
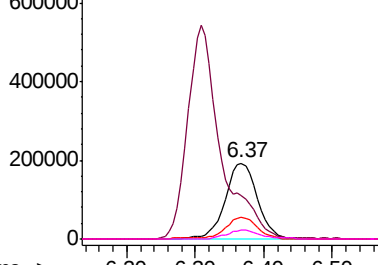
43 56.6 43.1 64.7

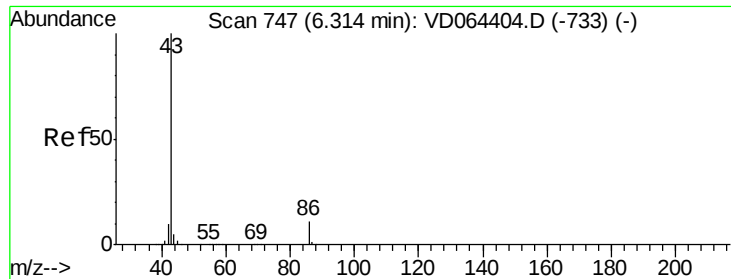
87 28.5 23.5 35.3

59 11.9 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 238.658 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

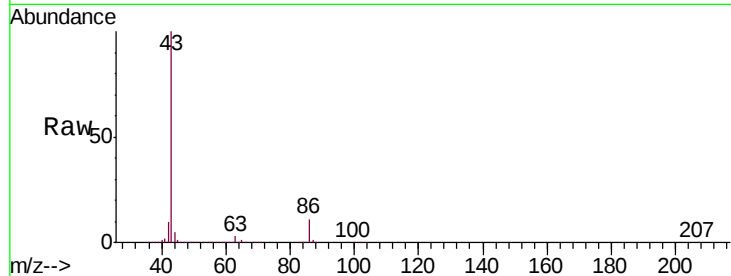
VSTD05006

Tgt Ion: 43 Resp: 1830139

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

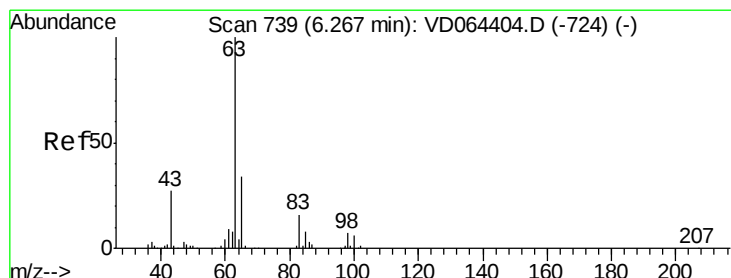
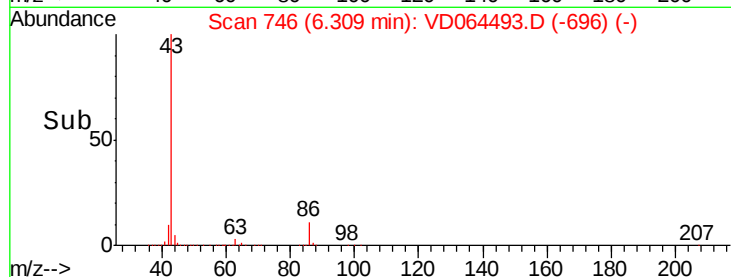
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 51.006 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

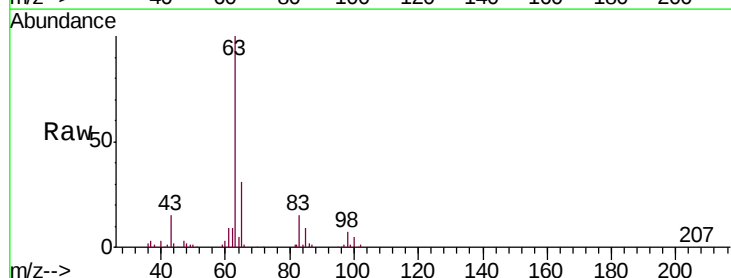
Tgt Ion: 63 Resp: 398998

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 4.7 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

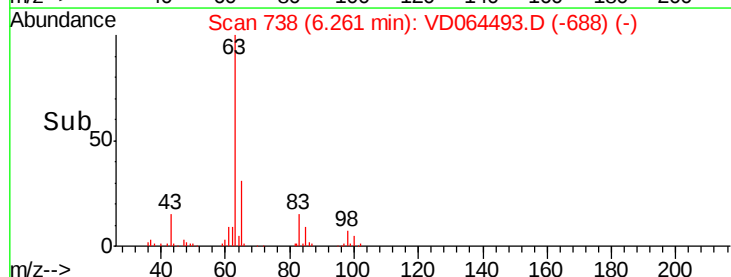
150000

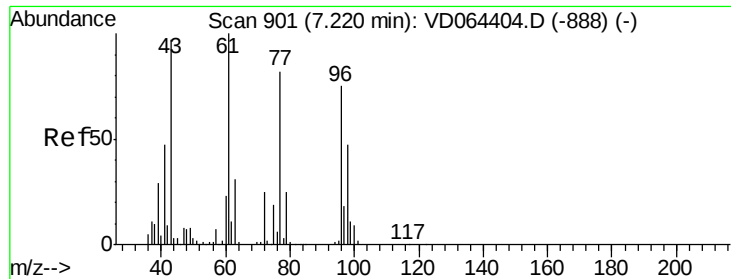
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 234.212 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

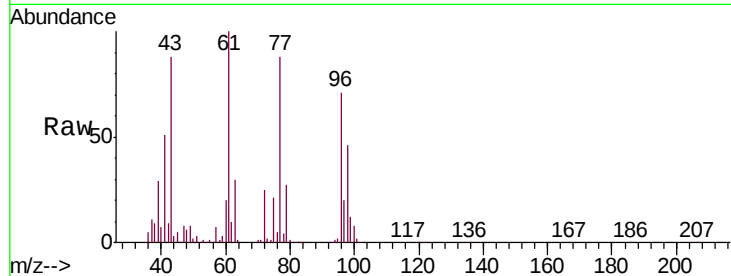
VSTD05006

Tgt Ion: 43 Resp: 283789

Ion Ratio Lower Upper

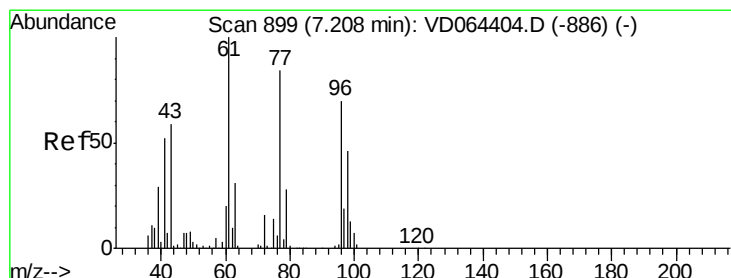
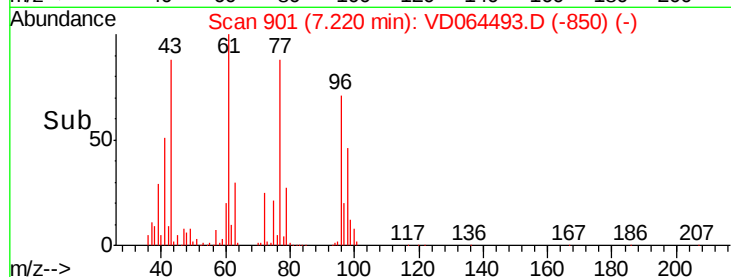
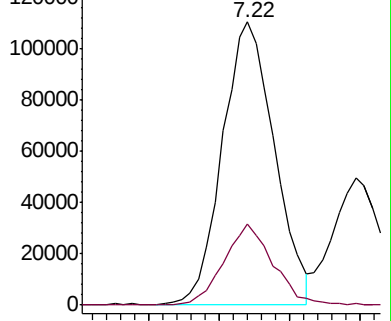
43 100

72 28.9 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.399 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064493.D

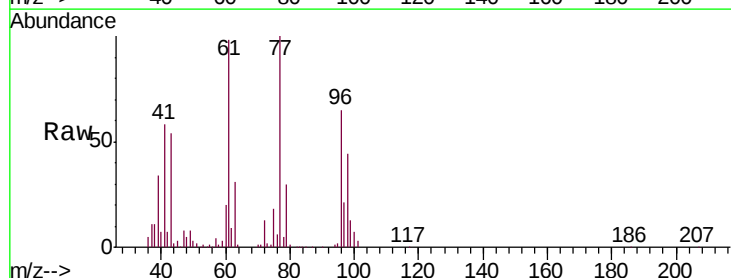
Acq: 11 Dec 2019 11:04

Tgt Ion: 77 Resp: 376881

Ion Ratio Lower Upper

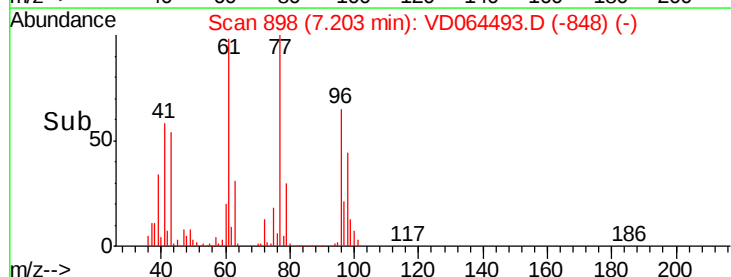
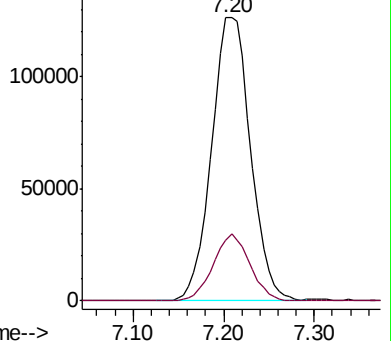
77 100

97 22.2 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 48.430 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

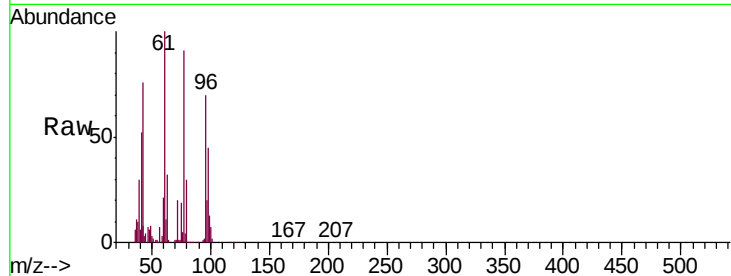
Tgt Ion: 96 Resp: 252162

Ion Ratio Lower Upper

96 100

61 148.5 0.0 279.6

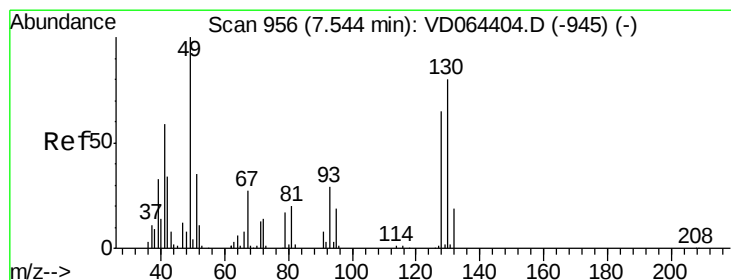
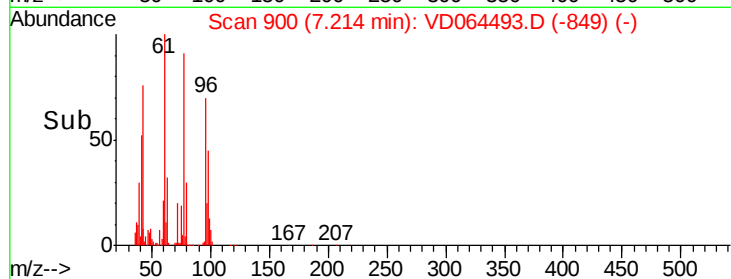
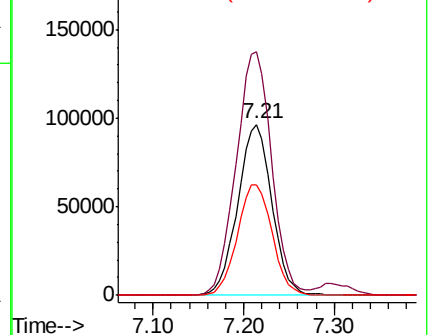
98 66.2 0.0 129.2



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: 50.241 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

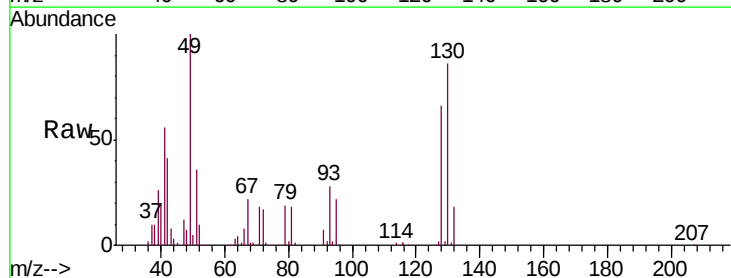
Tgt Ion: 49 Resp: 134313

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.4

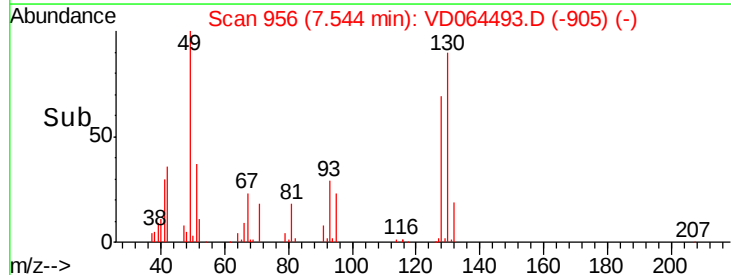
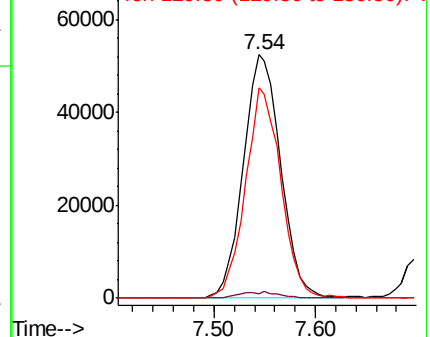
130 81.9 67.4 101.0

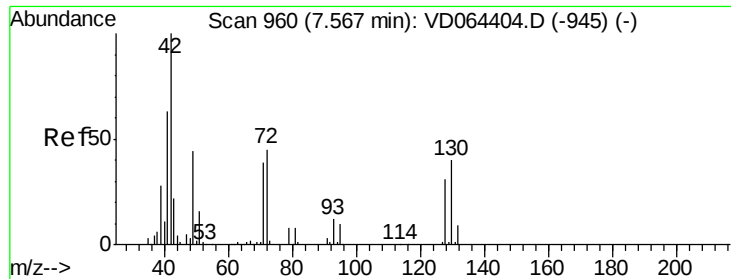


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

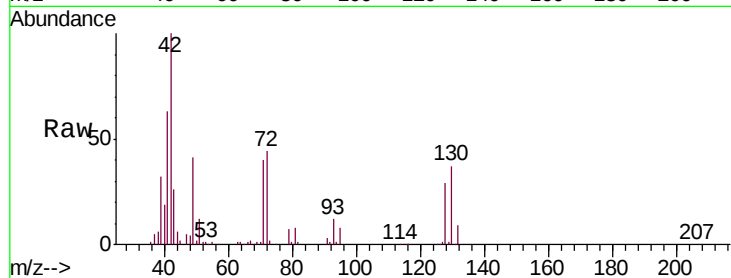




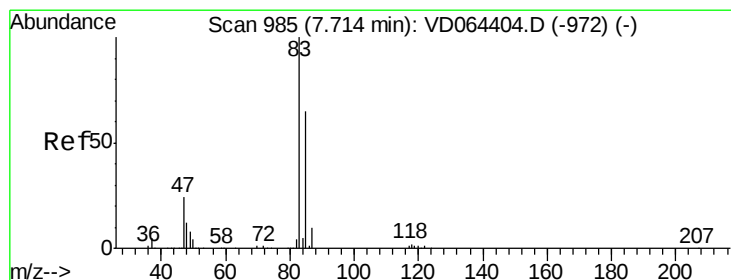
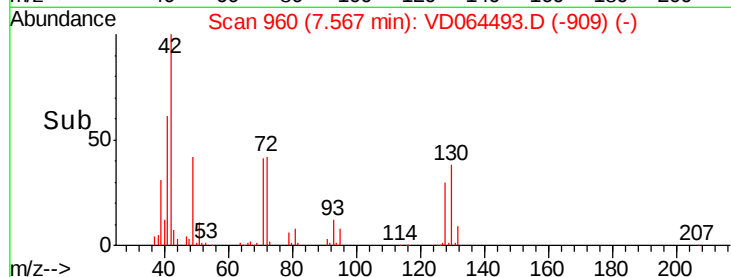
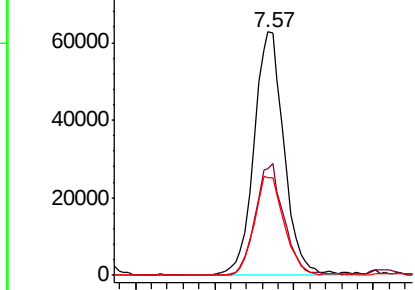
#29
Tetrahydrofuran
Concen: 215.759 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tgt Ion: 42 Resp: 166328
Ion Ratio Lower Upper
42 100
72 43.6 35.8 53.8
71 40.4 32.7 49.1

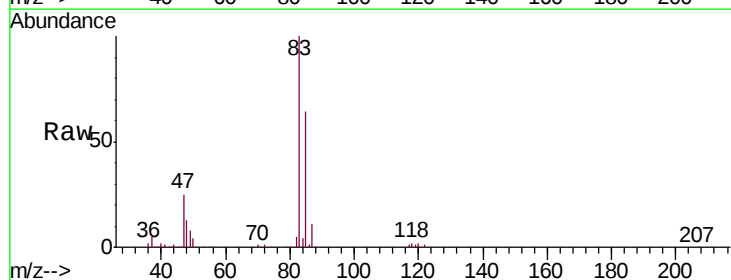


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

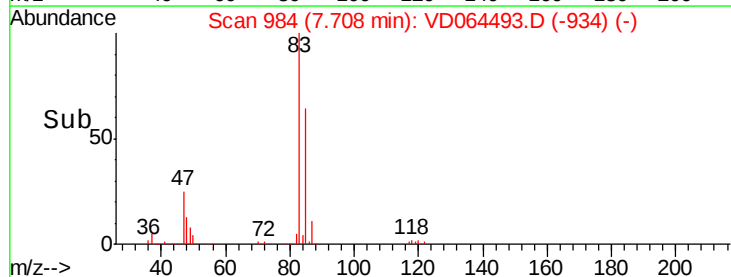
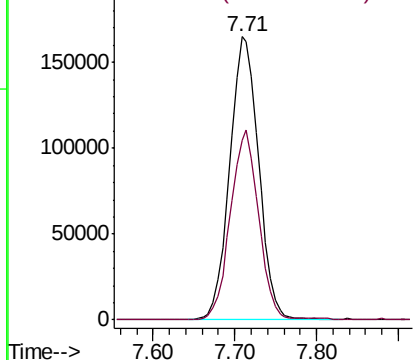


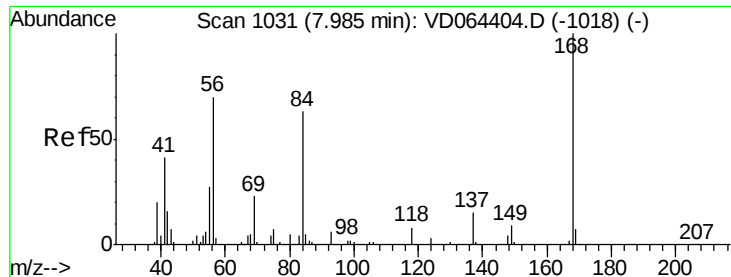
#30
Chloroform
Concen: 50.129 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion: 83 Resp: 406119
Ion Ratio Lower Upper
83 100
85 63.7 51.8 77.6



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

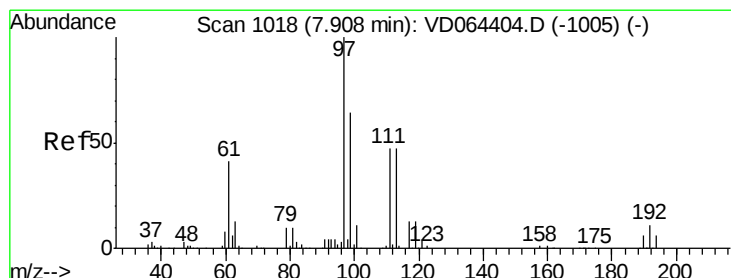
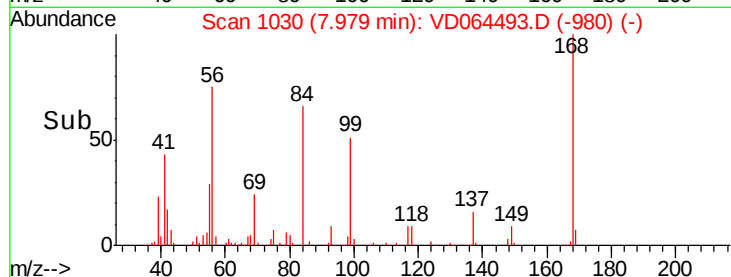
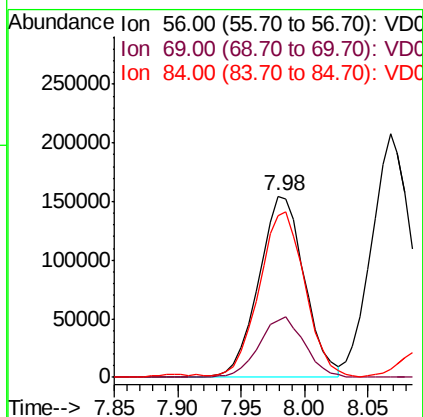
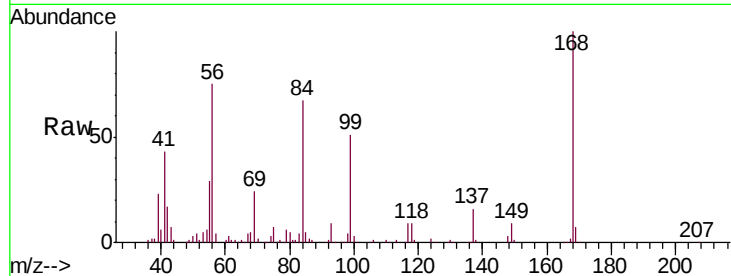




#31
Cyclohexane
Concen: 57.254 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

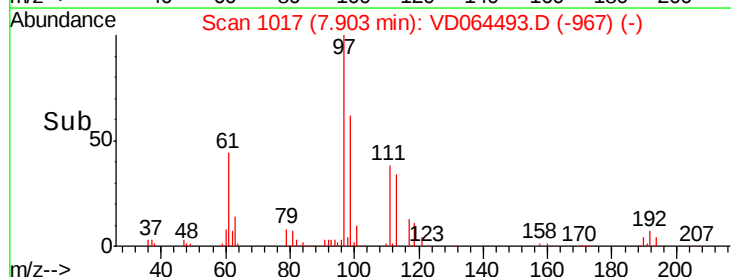
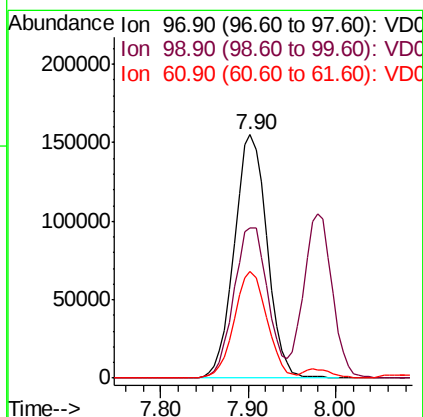
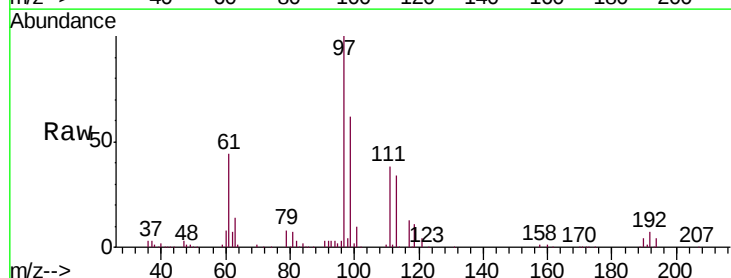
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tgt Ion: 56 Resp: 386479
Ion Ratio Lower Upper
56 100
69 31.7 26.2 39.4
84 88.4 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 52.353 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion: 97 Resp: 393225
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 43.9 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 45.949 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

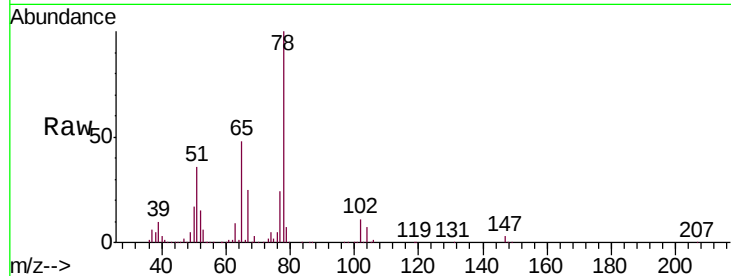
VSTD05006

Tgt Ion: 65 Resp: 194817

Ion Ratio Lower Upper

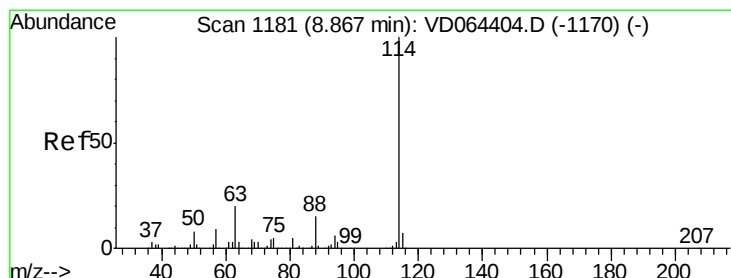
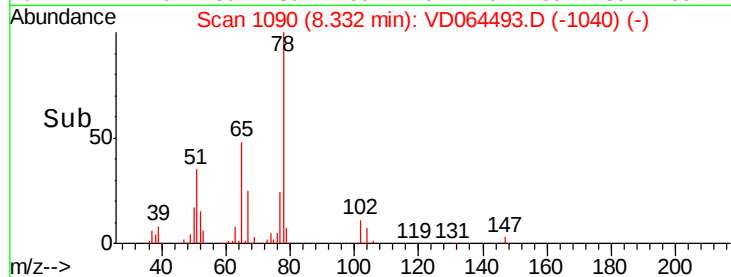
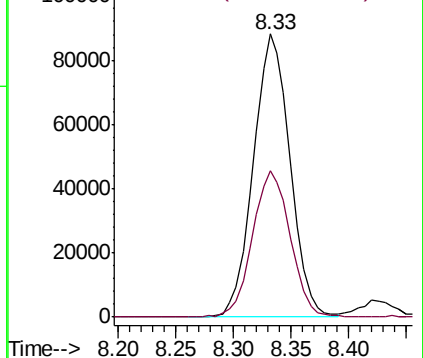
65 100

67 53.5 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

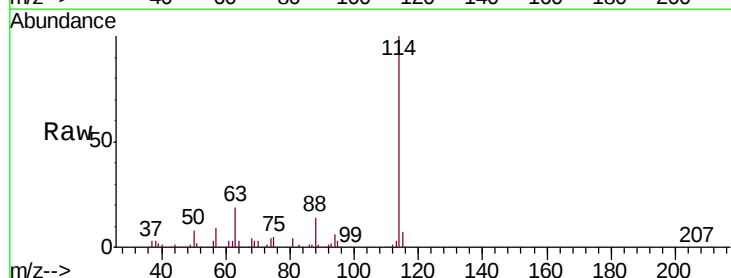
Tgt Ion: 114 Resp: 666050

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

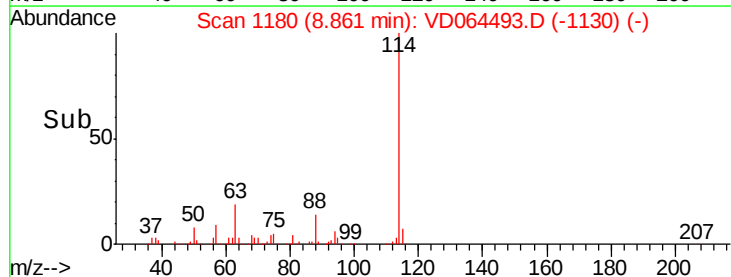
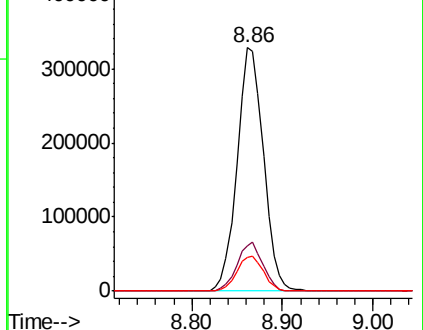
88 14.1 0.0 29.2

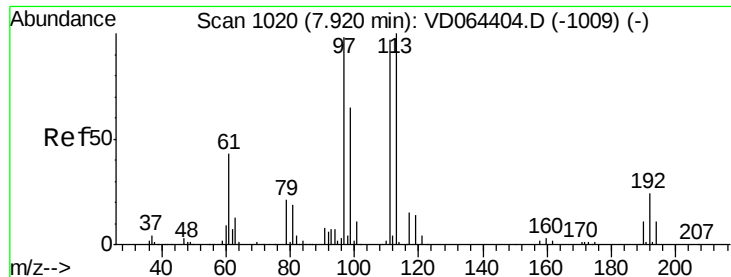


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

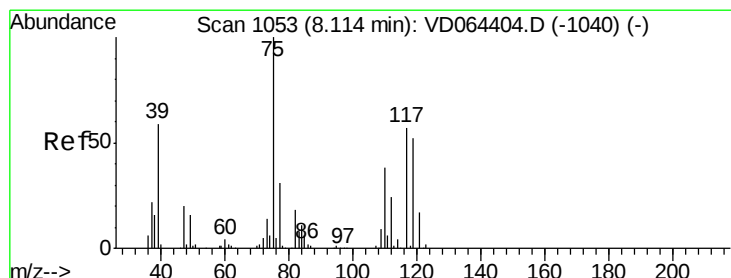
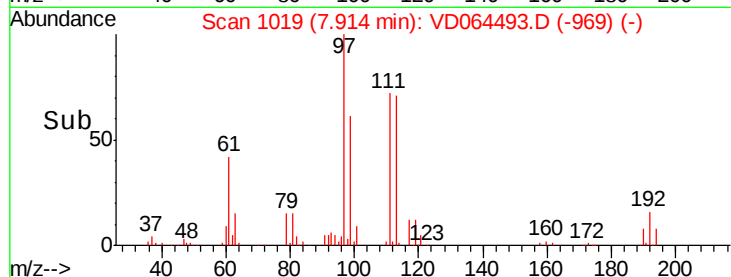
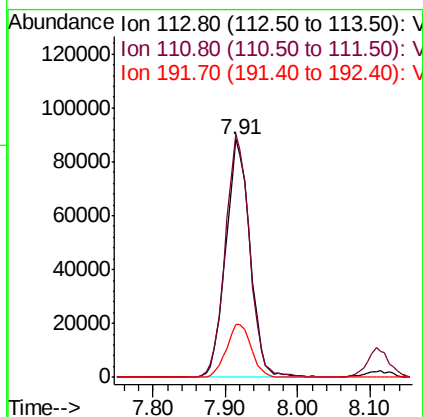
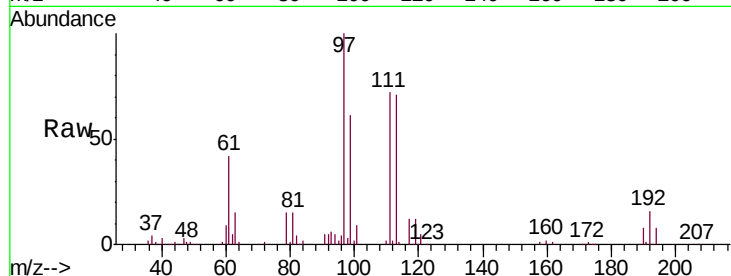




#35
 Dibromofluoromethane
 Concen: 49.055 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

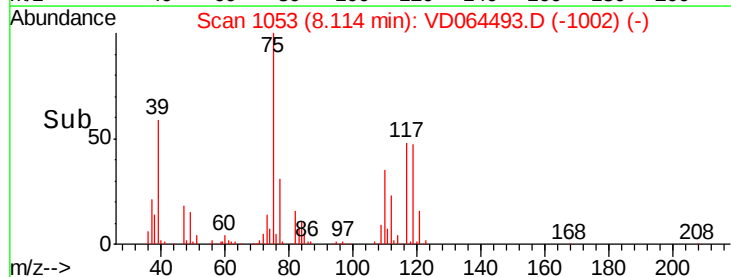
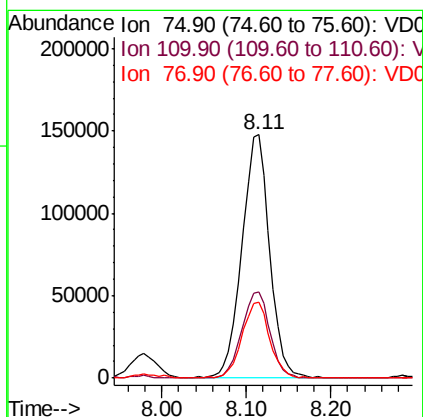
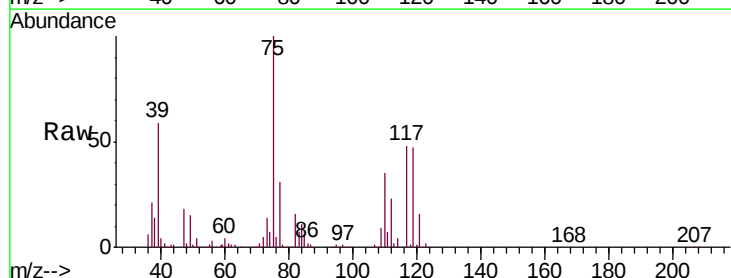
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

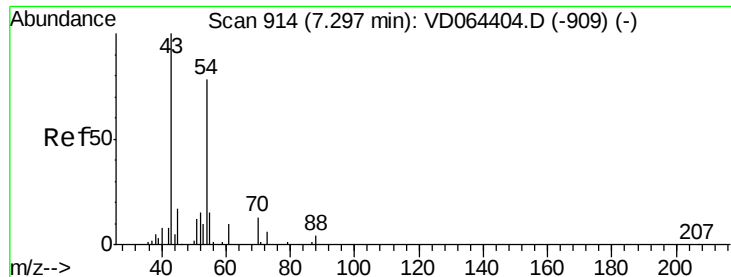
Tgt Ion: 113 Resp: 205858
 Ion Ratio Lower Upper
 113 100
 111 102.2 79.4 119.2
 192 22.8 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 53.628 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion: 75 Resp: 337852
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.6 55.8
 77 31.2 25.0 37.4

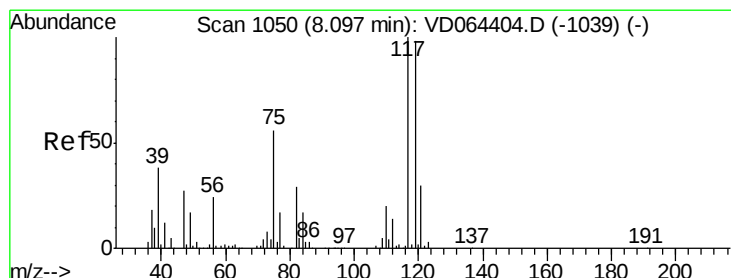
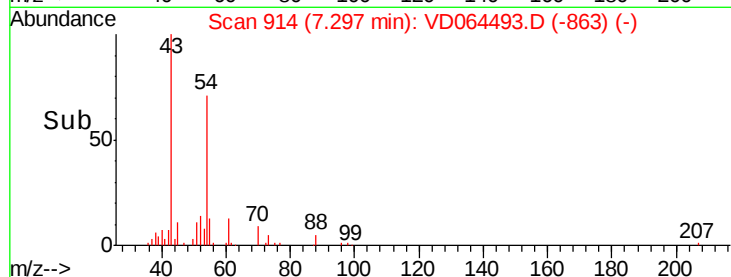
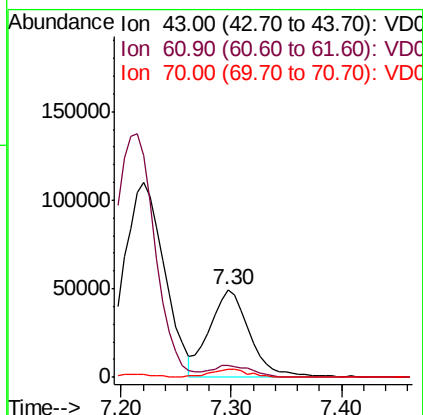
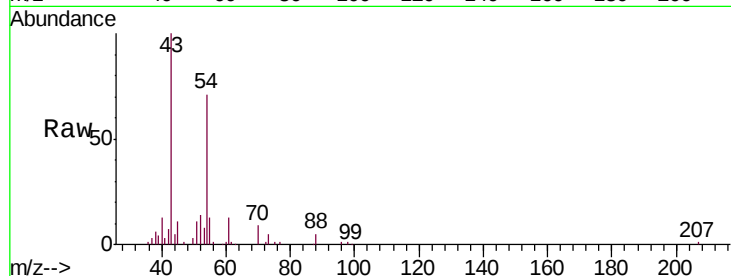




#37
Ethyl Acetate
Concen: 46.301 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

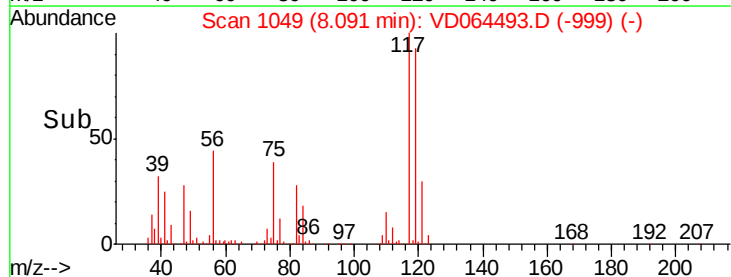
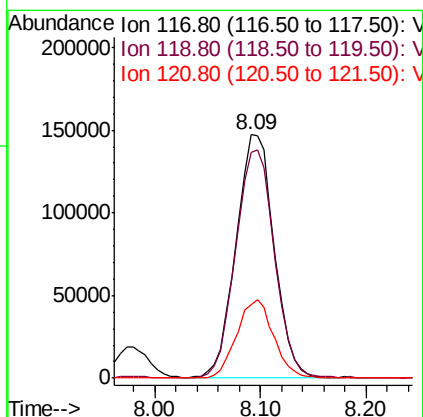
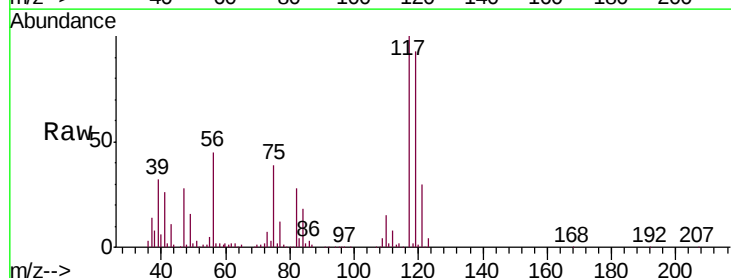
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

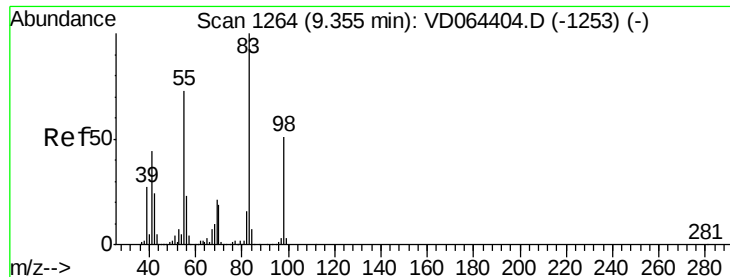
Tgt Ion: 43 Resp: 123771
Ion Ratio Lower Upper
43 100
61 12.9 10.9 16.3
70 9.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 55.300 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion: 117 Resp: 367692
Ion Ratio Lower Upper
117 100
119 92.8 78.8 118.2
121 30.4 24.2 36.2

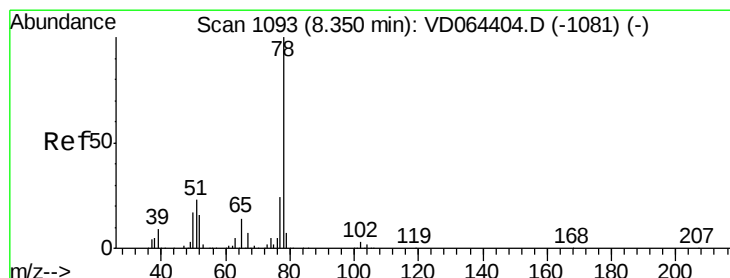
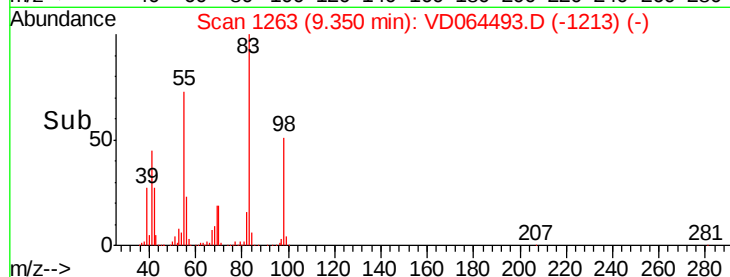
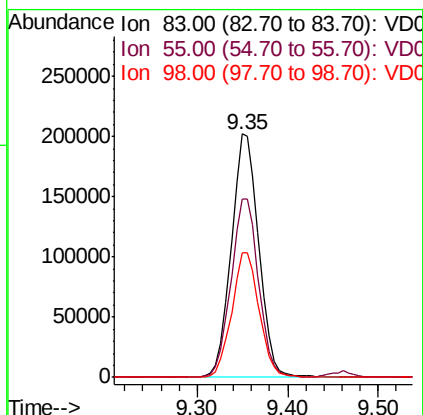
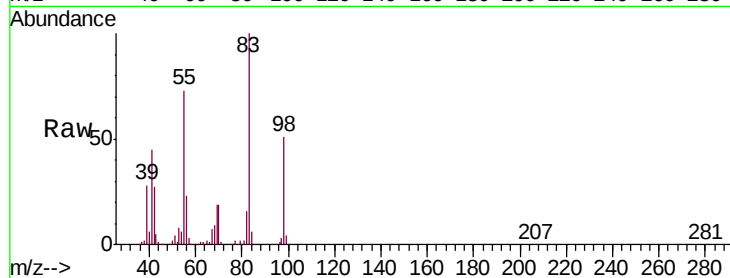




#39
Methylcyclohexane
Concen: 54.389 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

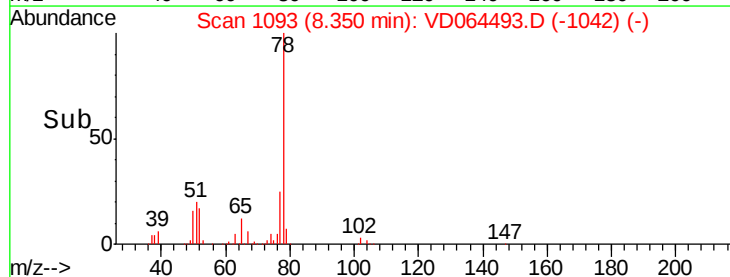
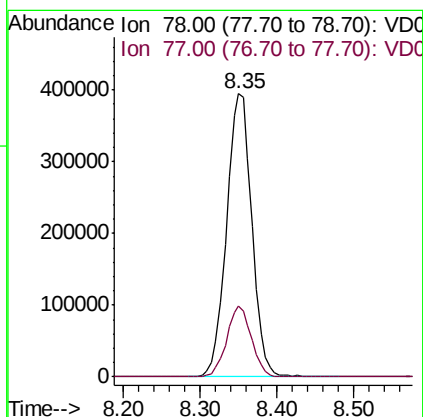
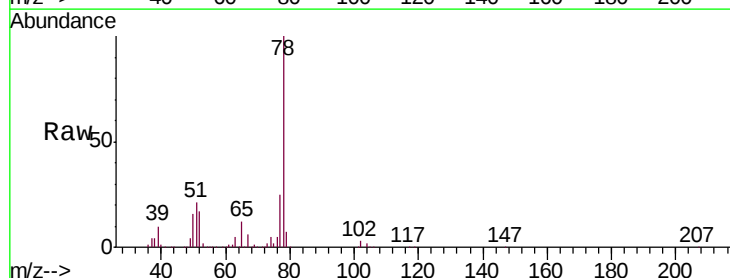
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

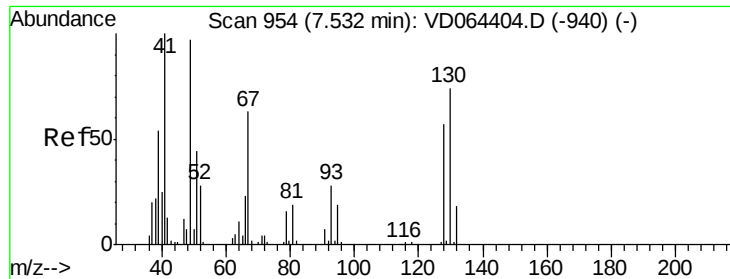
Tgt Ion: 83 Resp: 425038
Ion Ratio Lower Upper
83 100
55 73.5 58.6 87.8
98 51.2 40.9 61.3



#40
Benzene
Concen: 51.603 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion: 78 Resp: 902928
Ion Ratio Lower Upper
78 100
77 24.8 19.6 29.4

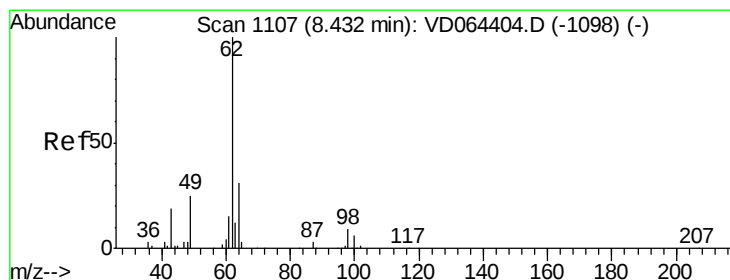
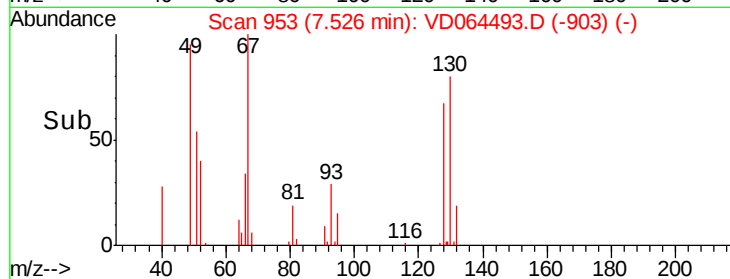
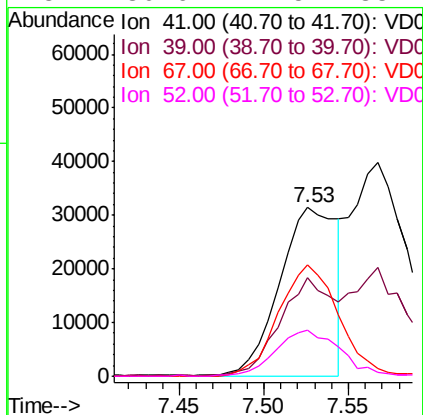
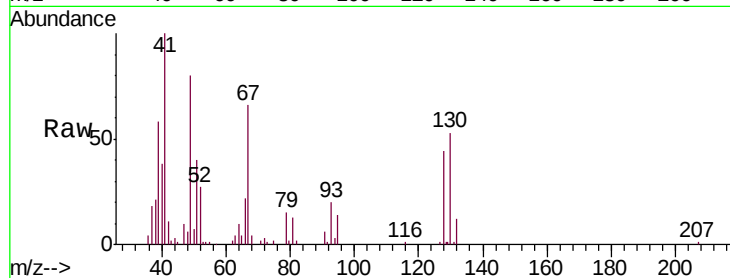




#41
Methacrylonitrile
Concen: 48.660 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

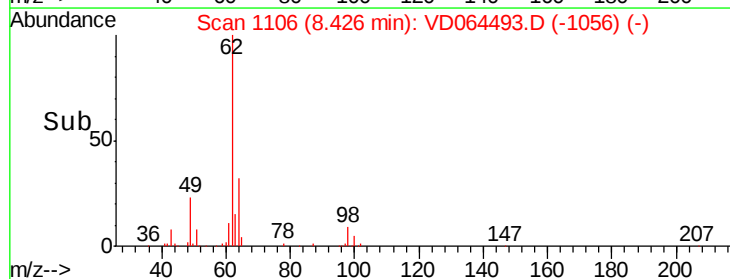
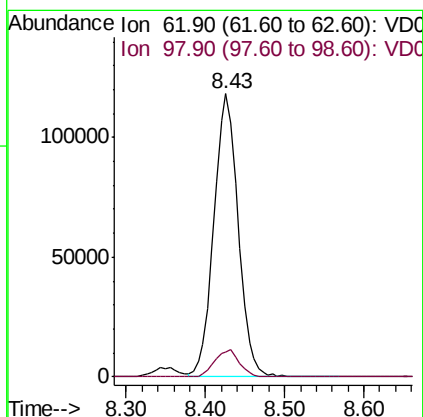
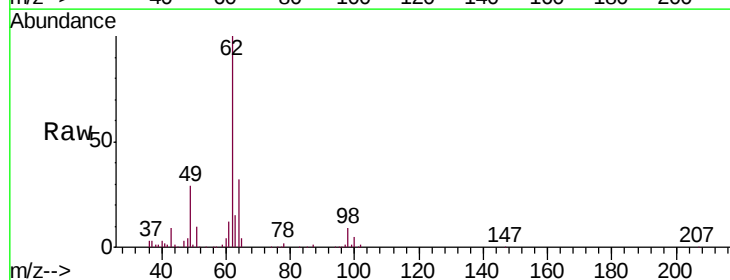
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

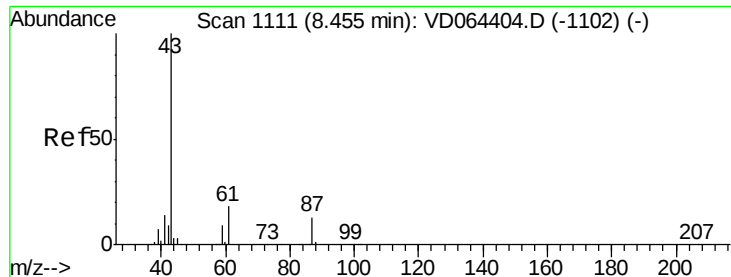
Tgt Ion:	41	Resp:	74597
Ion	Ratio	Lower	Upper
41	100		
39	54.4	44.6	67.0
67	69.2	50.9	76.3
52	30.6	22.5	33.7



#42
1,2-Dichloroethane
Concen: 49.459 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion:	62	Resp:	252378
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 45.539 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

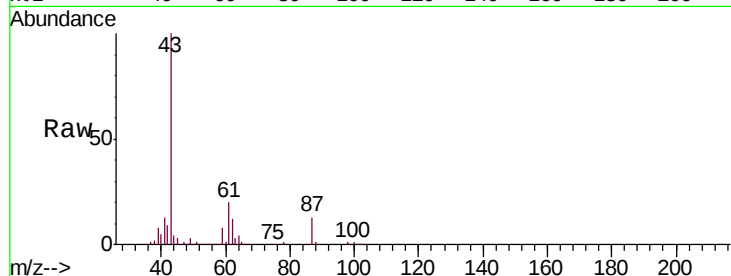
Tgt Ion: 43 Resp: 239351

Ion Ratio Lower Upper

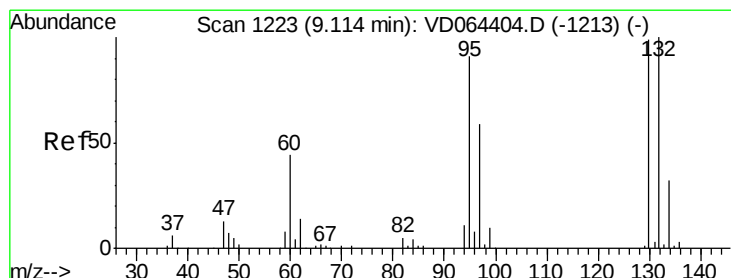
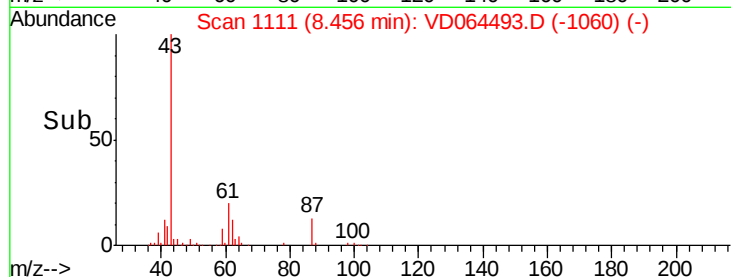
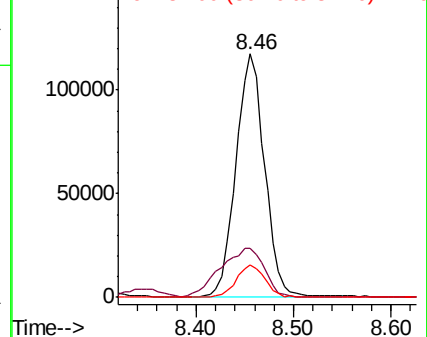
43 100

61 31.2 24.0 36.0

87 13.3 10.6 15.8



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



#44

Trichloroethene

Concen: 51.279 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064493.D

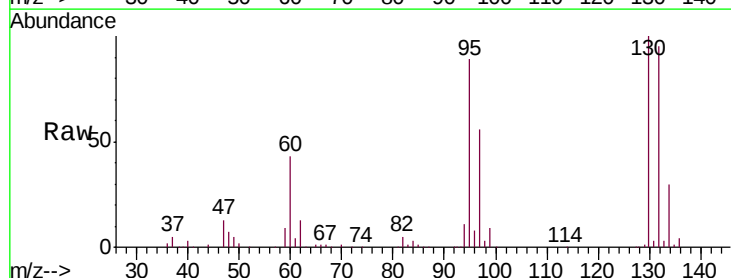
Acq: 11 Dec 2019 11:04

Tgt Ion: 130 Resp: 270277

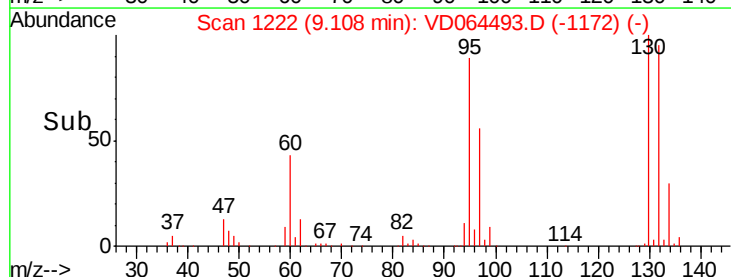
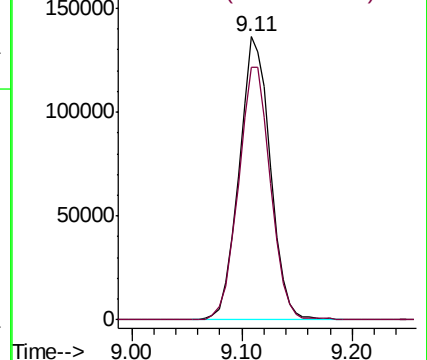
Ion Ratio Lower Upper

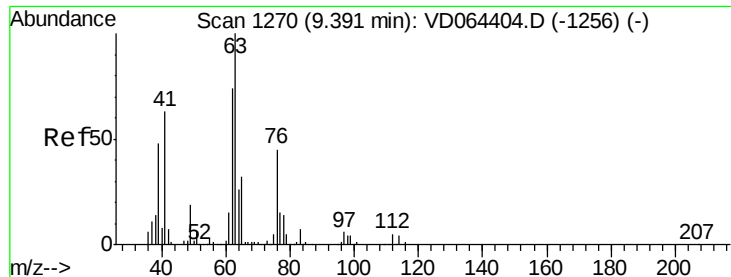
130 100

95 89.2 0.0 184.6



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

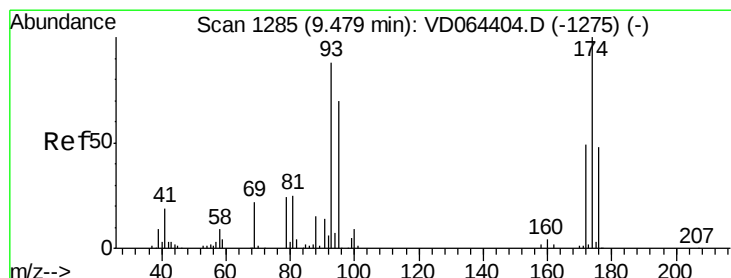
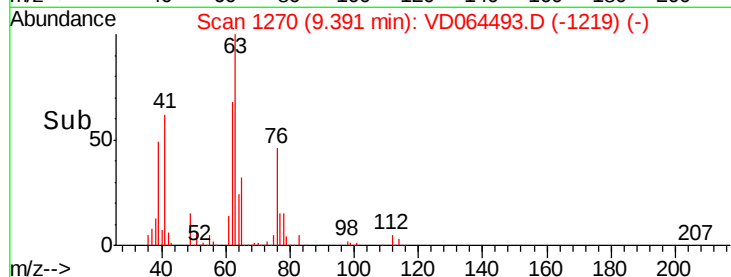
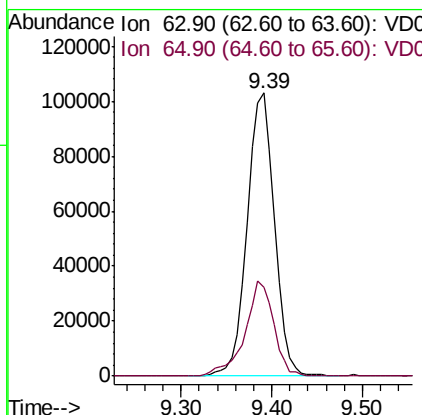
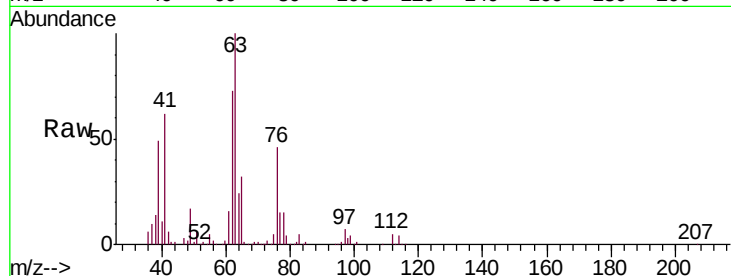




#45
 1,2-Dichloropropane
 Concen: 51.363 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

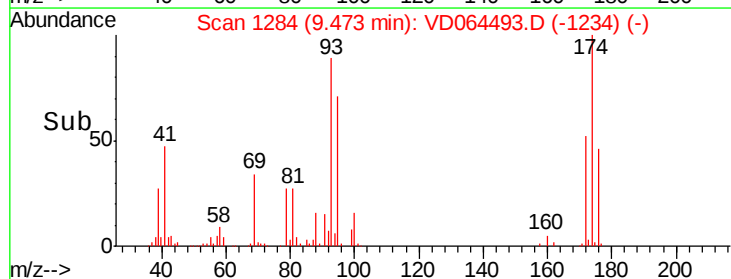
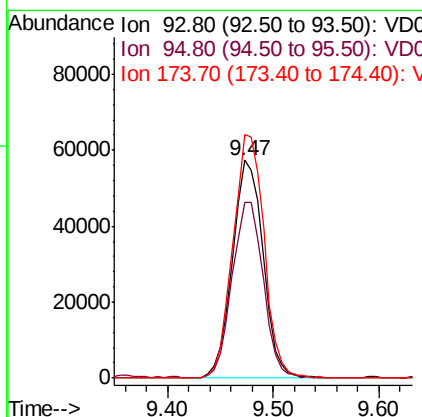
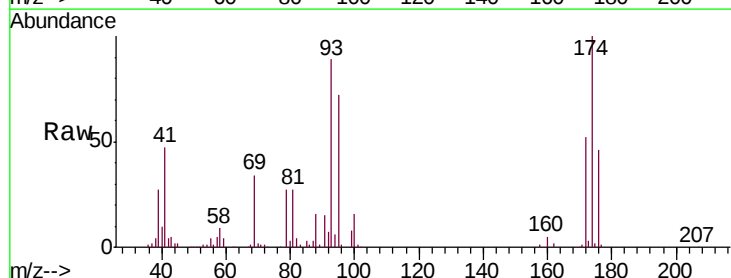
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

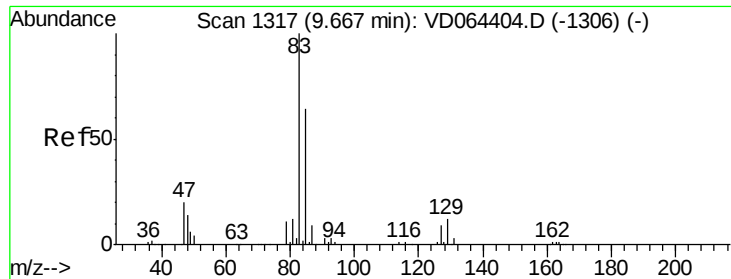
Tgt Ion: 63 Resp: 214937
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.4 38.0



#46
 Dibromomethane
 Concen: 48.791 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion: 93 Resp: 115235
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.7 100.1
 174 113.7 92.3 138.5





#47

Bromodichloromethane

Concen: 51.315 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

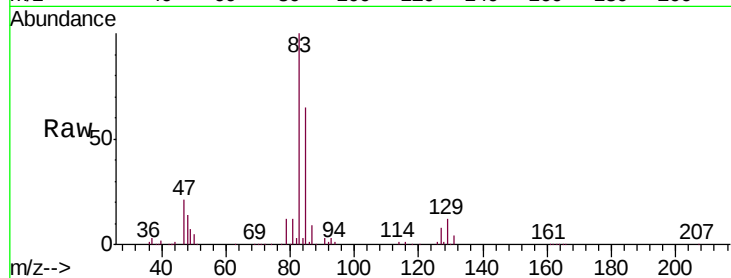
Tgt Ion: 83 Resp: 311409

Ion Ratio Lower Upper

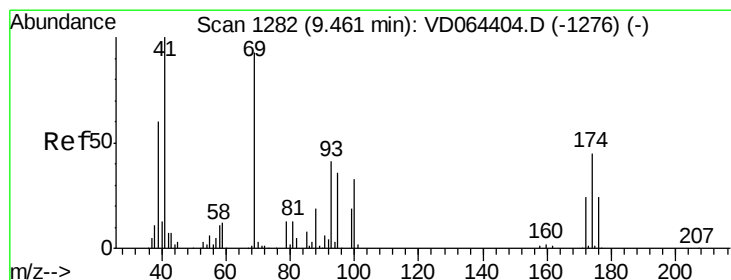
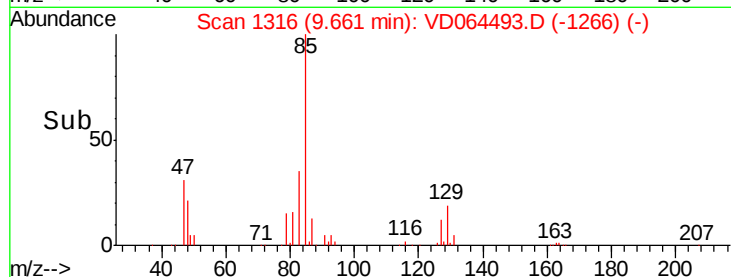
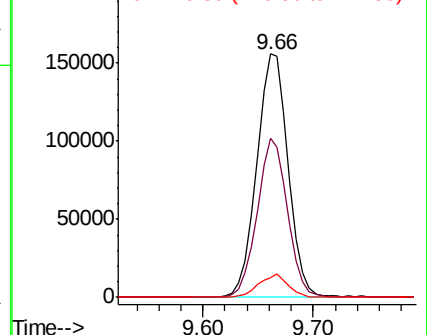
83 100

85 65.2 51.1 76.7

127 8.1 7.4 11.0



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



#48

Methyl methacrylate

Concen: 46.027 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

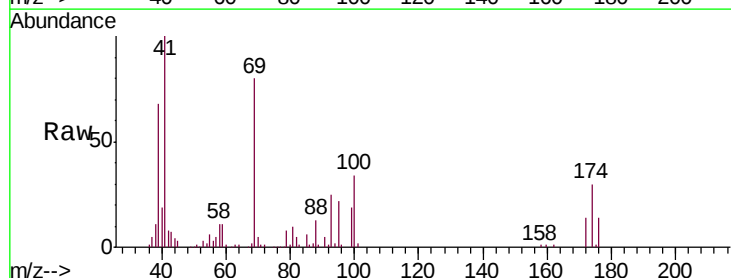
Tgt Ion: 41 Resp: 110700

Ion Ratio Lower Upper

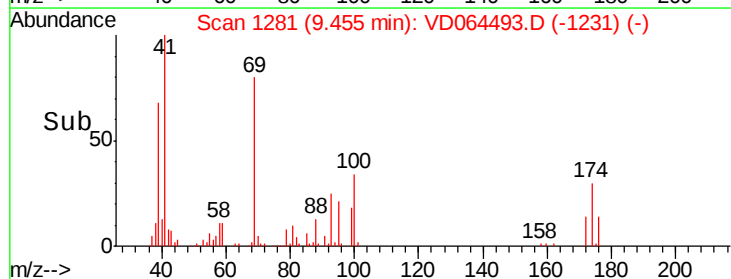
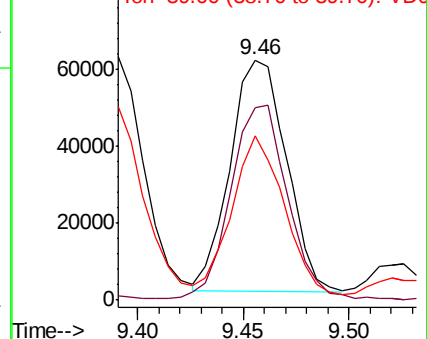
41 100

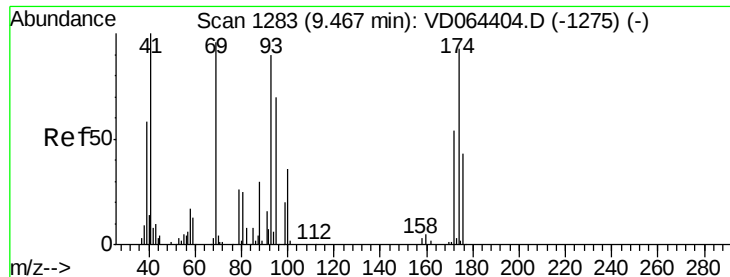
69 85.2 72.0 108.0

39 64.0 55.2 82.8



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

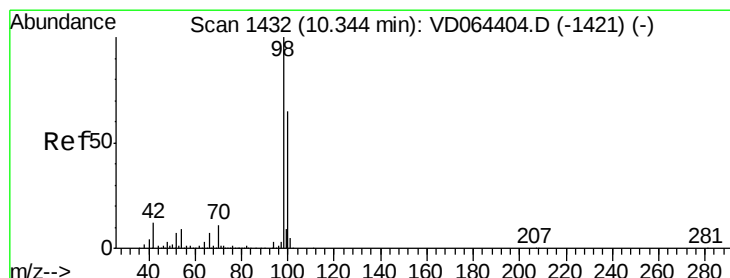
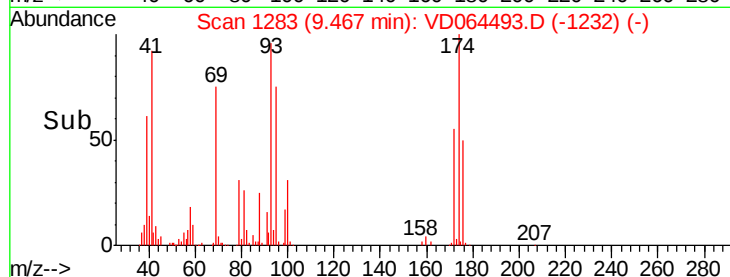
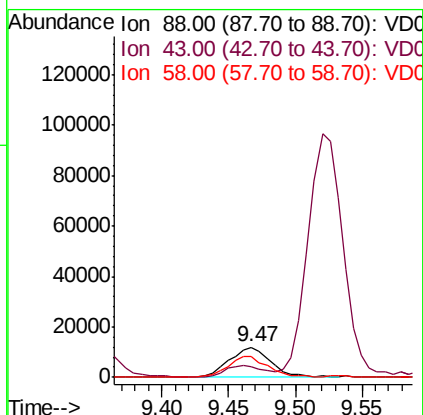
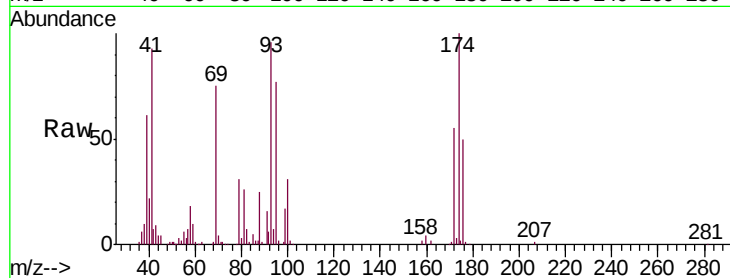




#49
1,4-Dioxane
Concen: 886.198 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

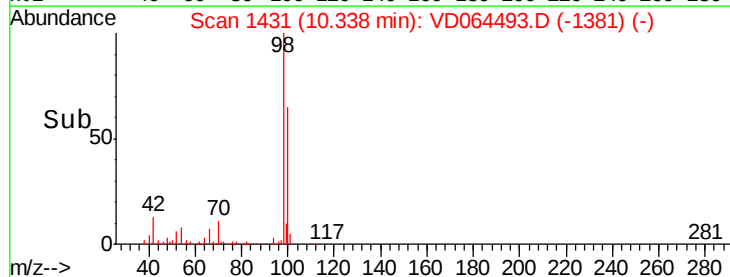
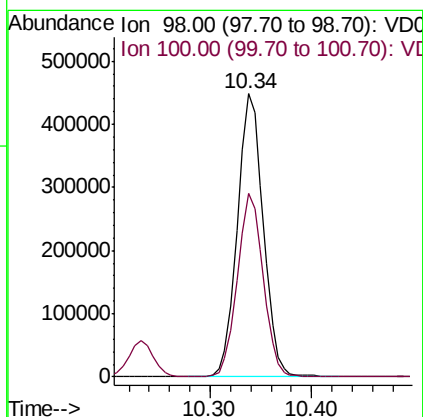
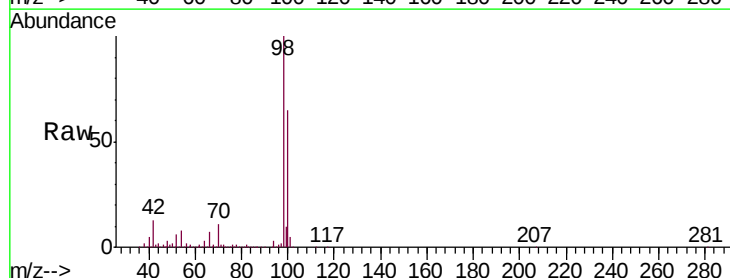
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

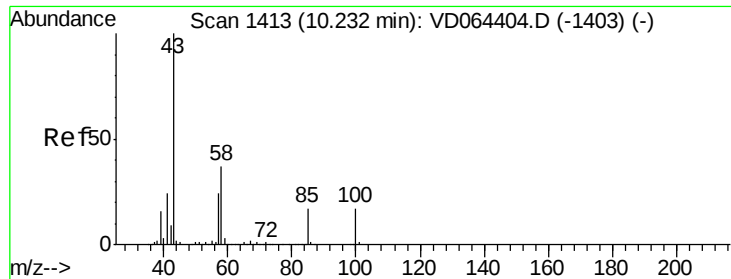
Tgt Ion: 88 Resp: 25846
Ion Ratio Lower Upper
88 100
43 38.4 26.7 40.1
58 67.1 52.3 78.5



#50
Toluene-d8
Concen: 50.327 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion: 98 Resp: 795551
Ion Ratio Lower Upper
98 100
100 64.3 52.6 79.0

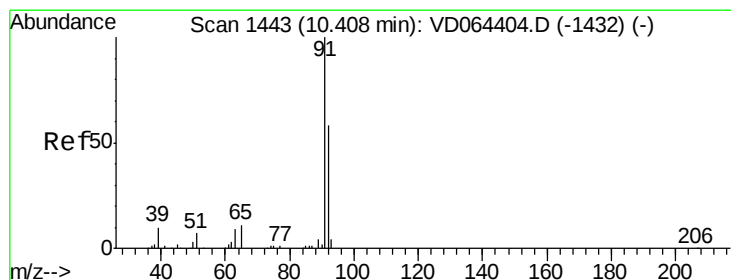
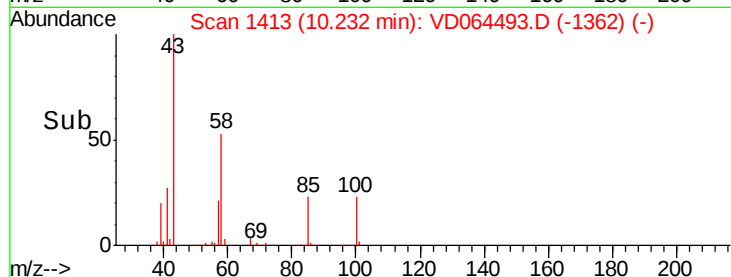
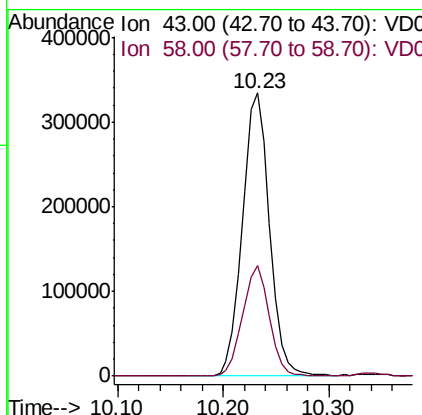
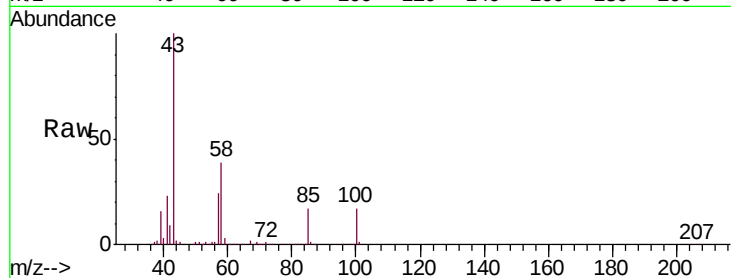




#51
 4-Methyl-2-Pentanone
 Concen: 229.227 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

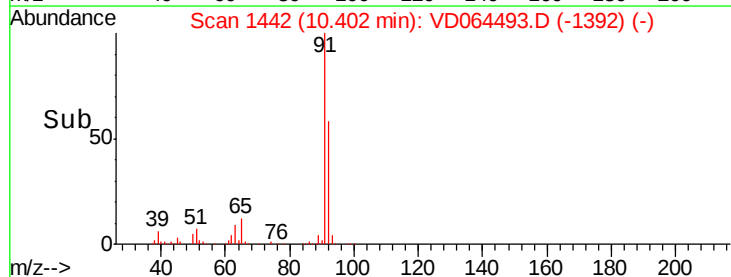
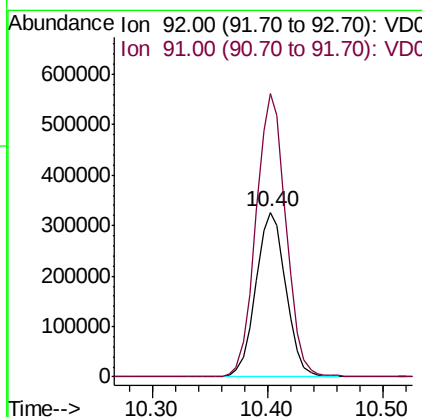
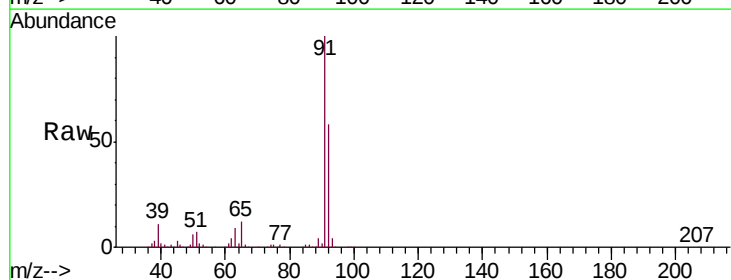
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tgt Ion: 43 Resp: 596132
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.6 46.0



#52
 Toluene
 Concen: 51.865 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion: 92 Resp: 591426
 Ion Ratio Lower Upper
 92 100
 91 172.0 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 49.692 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

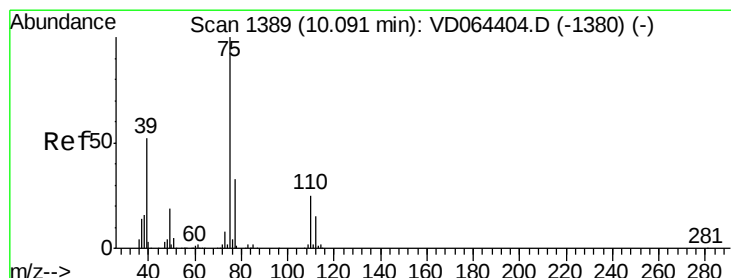
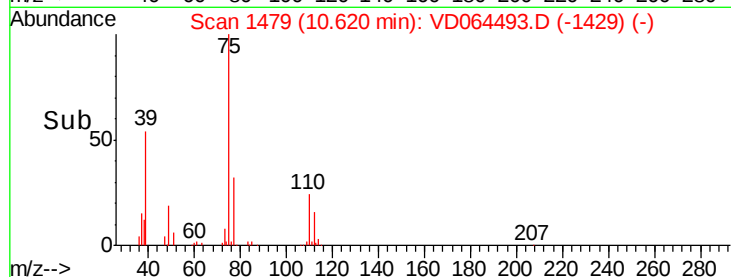
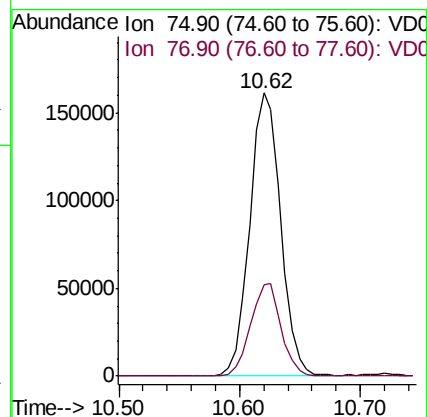
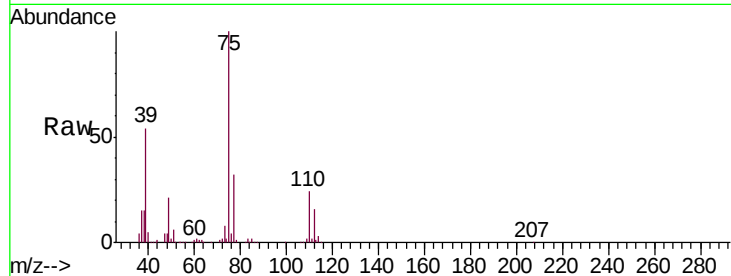
VSTD05006

Tgt Ion: 75 Resp: 287400

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 50.843 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

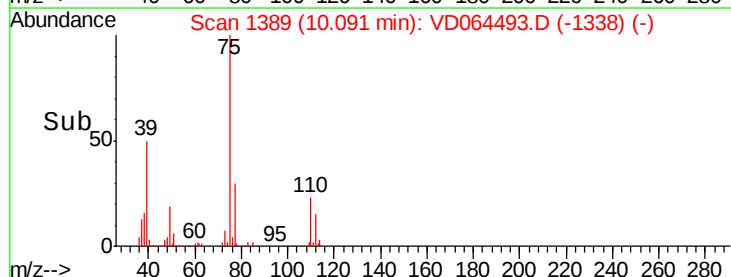
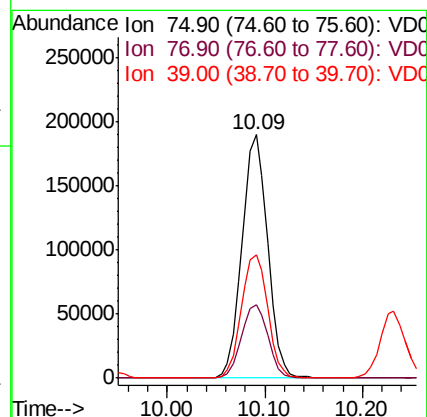
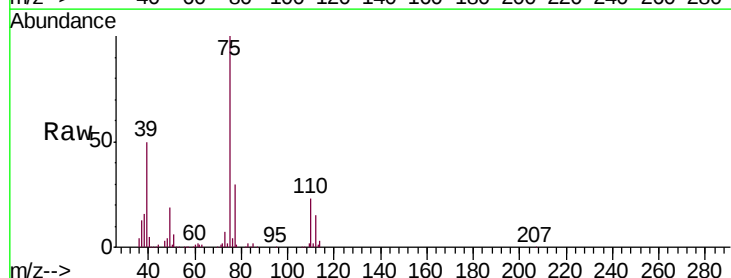
Tgt Ion: 75 Resp: 349332

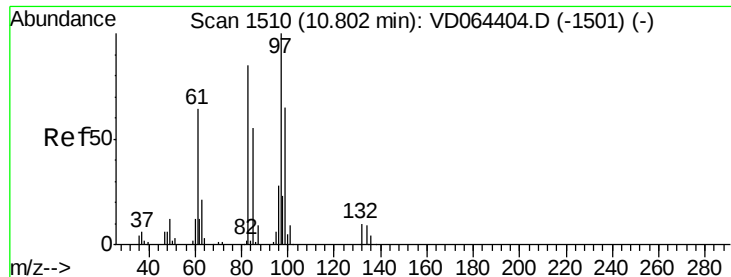
Ion Ratio Lower Upper

75 100

77 30.4 26.1 39.1

39 50.4 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 48.134 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tgt Ion: 97 Resp: 155664

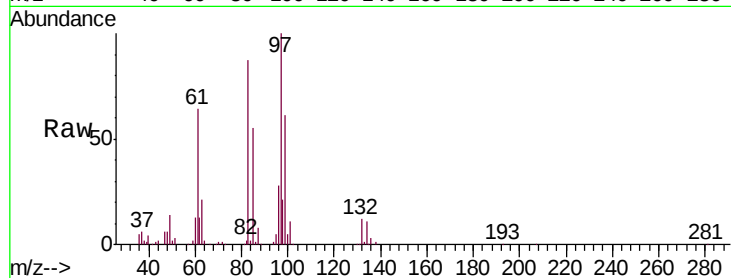
Ion Ratio Lower Upper

97 100

83 86.5 67.8 101.8

85 54.5 43.7 65.5

99 61.5 51.7 77.5

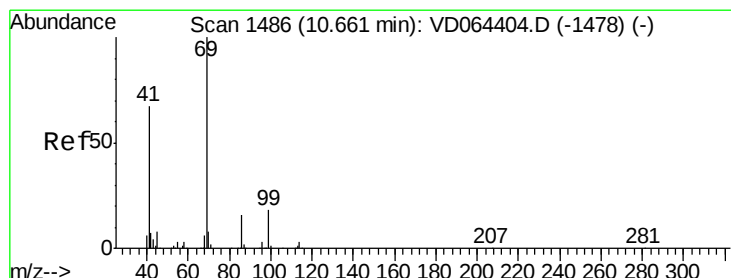
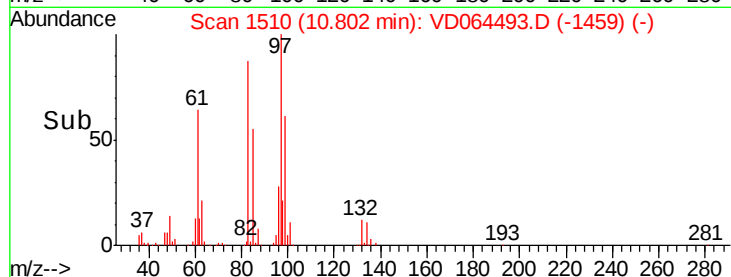
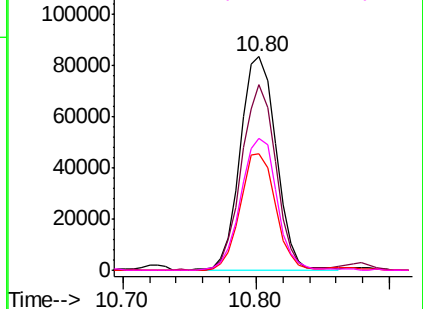


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 47.017 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

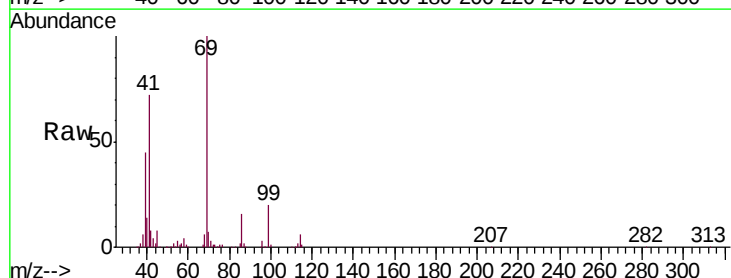
Tgt Ion: 69 Resp: 193934

Ion Ratio Lower Upper

69 100

41 67.4 55.0 82.4

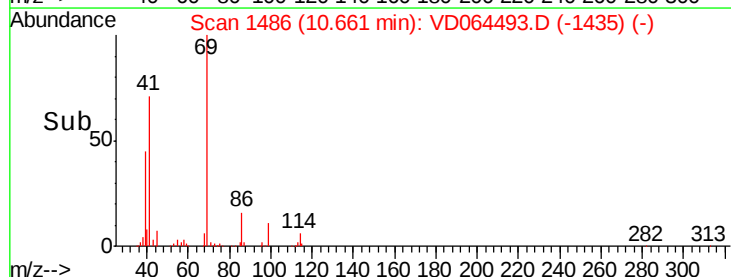
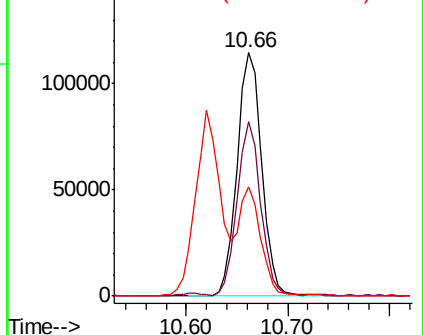
39 40.0 33.0 49.6



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

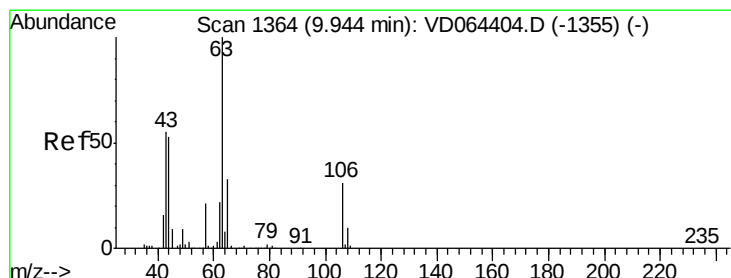
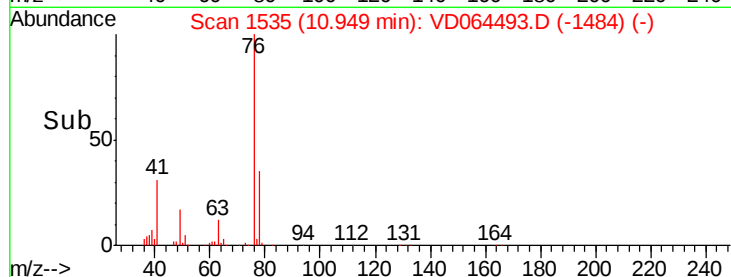
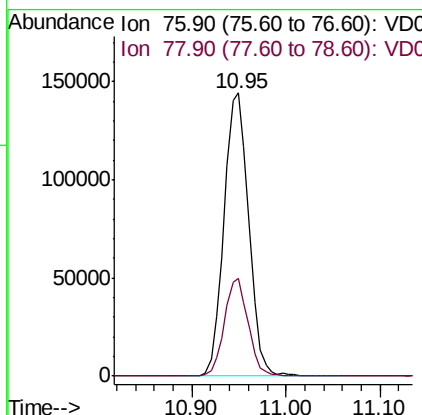
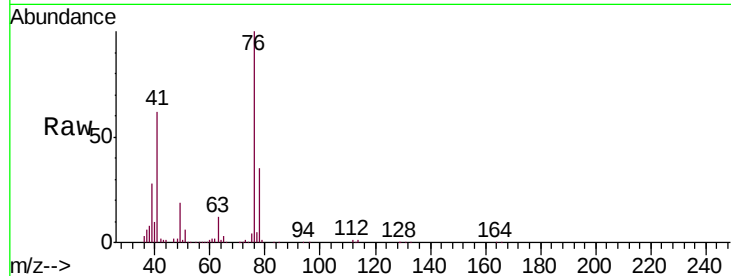




#57
 1,3-Dichloropropane
 Concen: 47.847 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

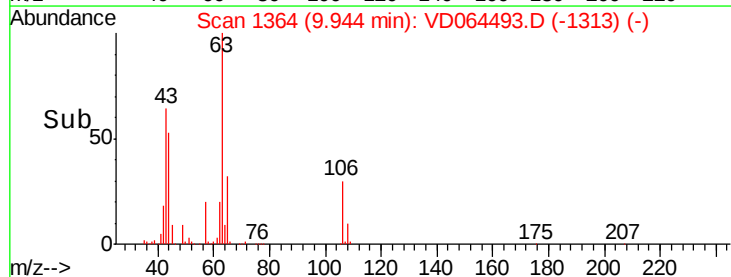
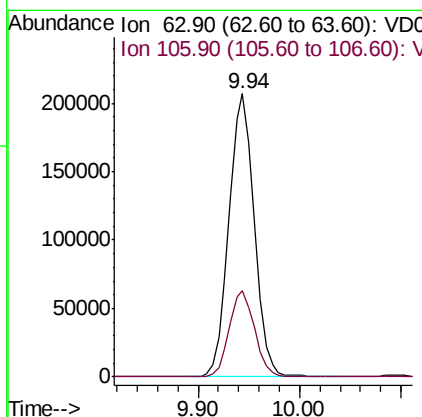
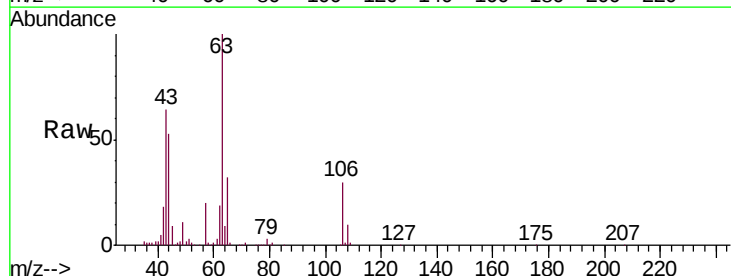
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tgt Ion: 76 Resp: 263405
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 218.757 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion: 63 Resp: 359701
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.2 36.4

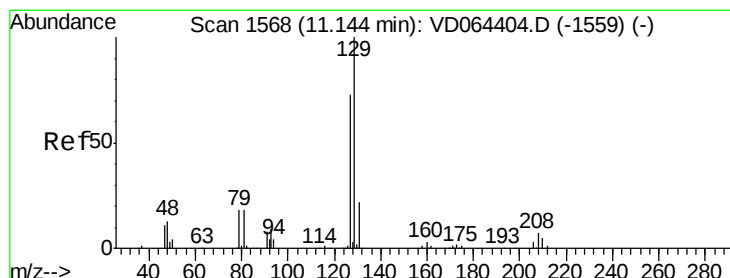
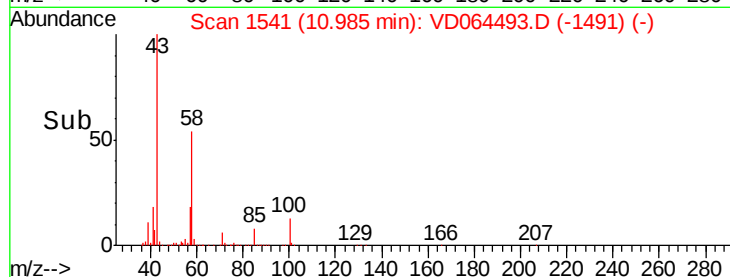
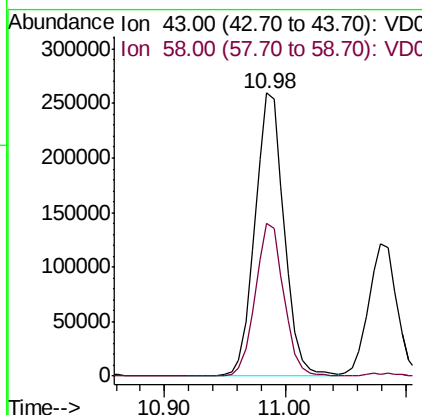
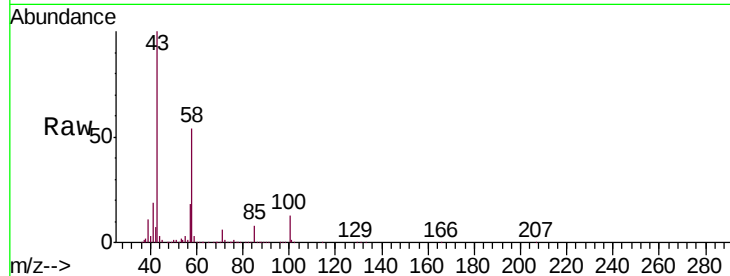




#59
2-Hexanone
Concen: 242.749 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

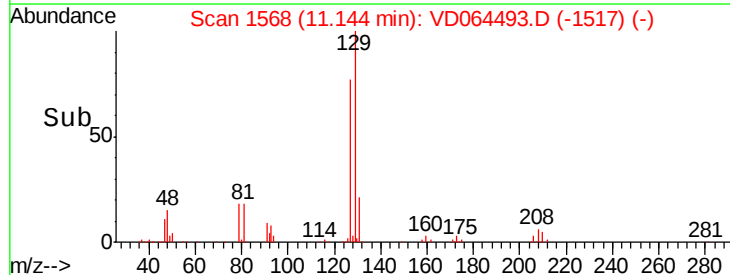
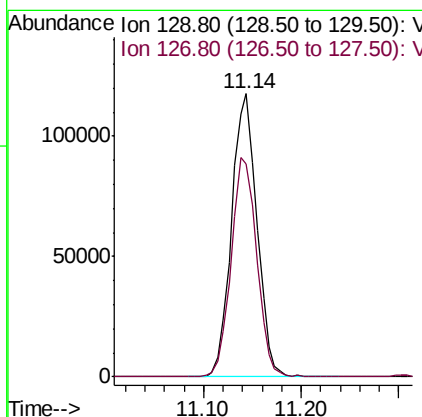
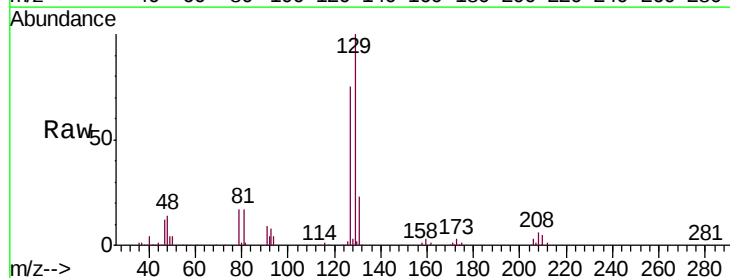
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

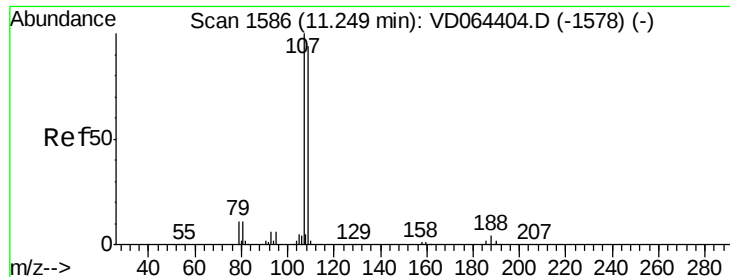
Tgt Ion: 43 Resp: 438051
Ion Ratio Lower Upper
43 100
58 52.9 26.3 78.8



#60
Dibromochloromethane
Concen: 48.434 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion: 129 Resp: 212376
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.3

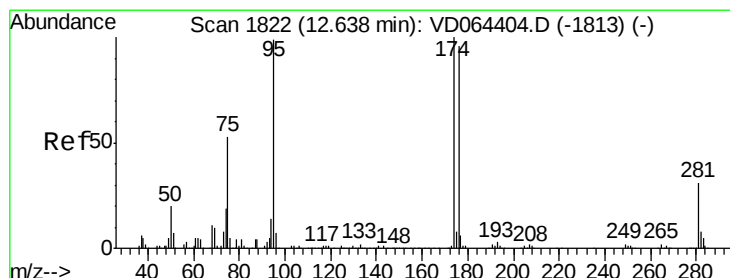
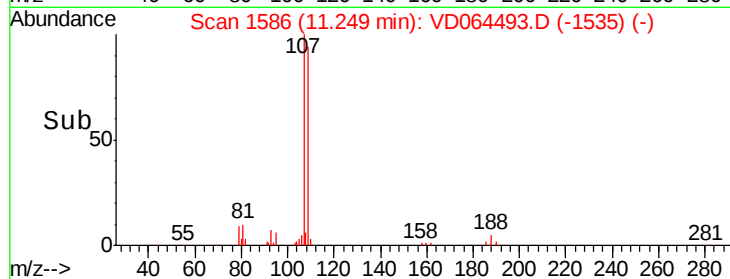
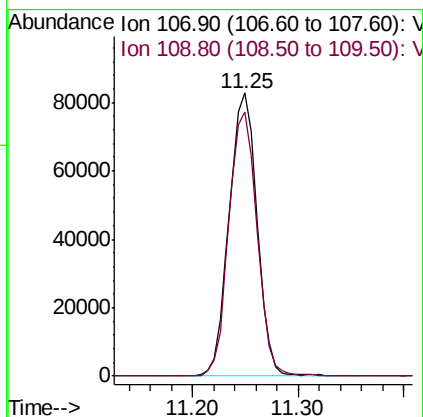
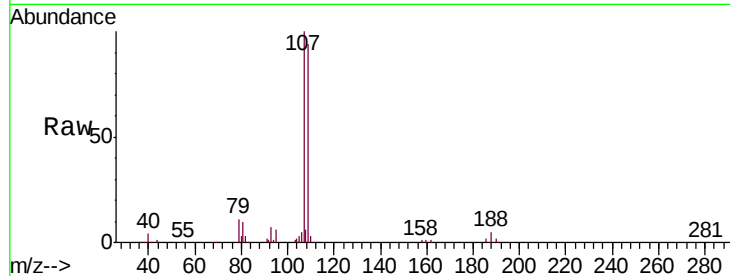




#61
 1,2-Dibromoethane
 Concen: 46.812 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

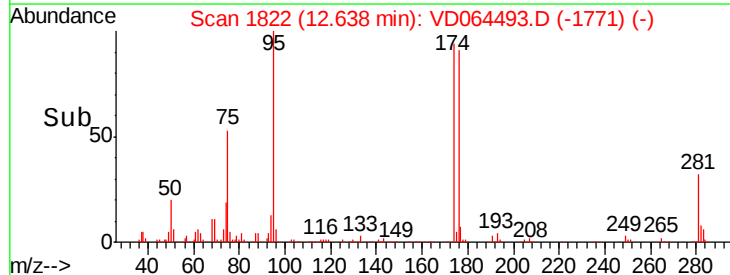
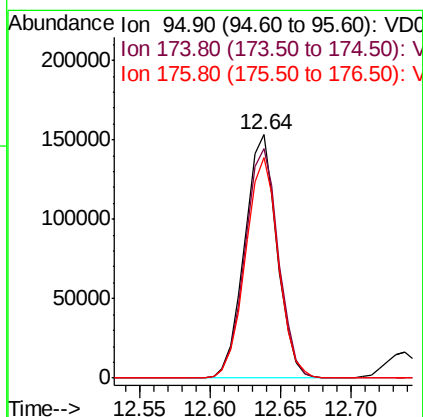
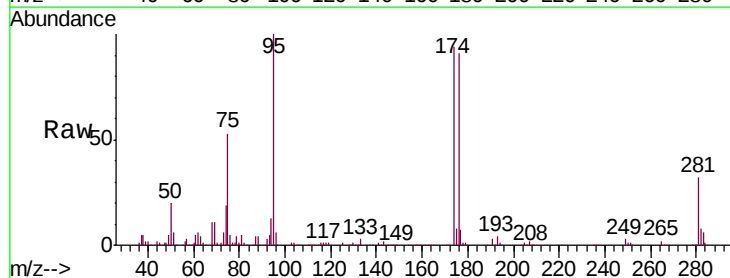
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

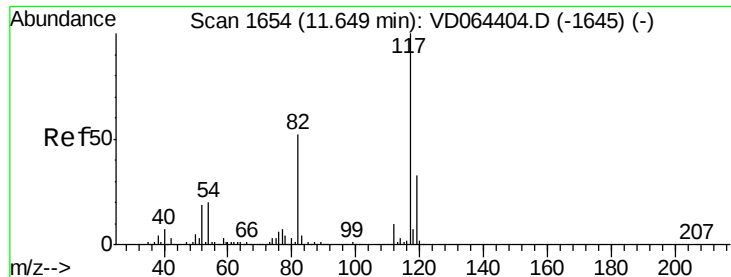
Tgt Ion: 107 Resp: 151157
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 48.625 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion: 95 Resp: 247020
 Ion Ratio Lower Upper
 95 100
 174 97.6 0.0 197.2
 176 92.3 0.0 189.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

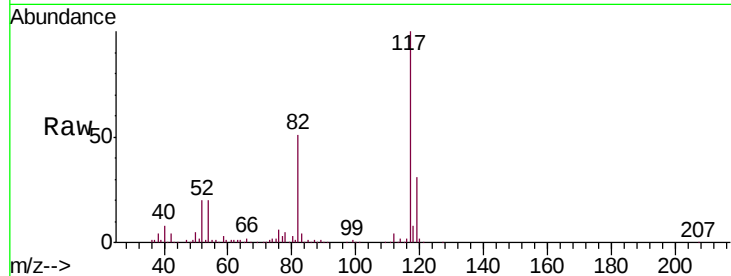
Tgt Ion:117 Resp: 581559

Ion Ratio Lower Upper

117 100

82 50.9 41.4 62.2

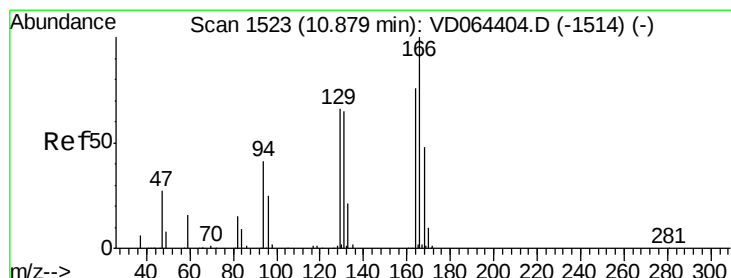
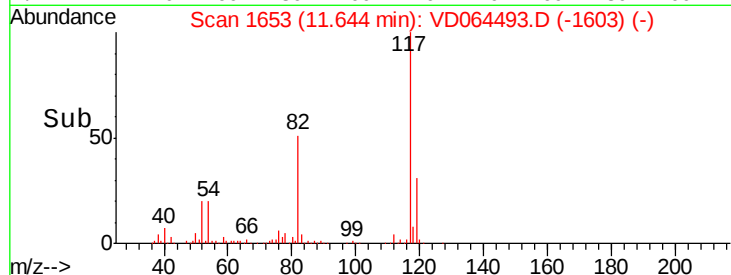
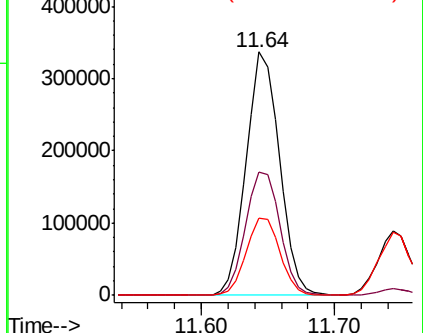
119 31.5 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 53.402 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion:164 Resp: 236830

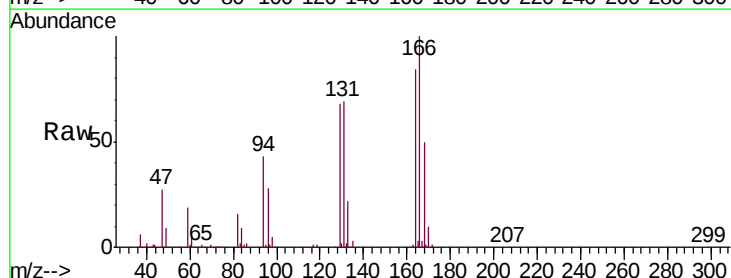
Ion Ratio Lower Upper

164 100

166 119.1 104.8 157.2

129 81.0 68.7 103.1

131 82.4 67.9 101.9

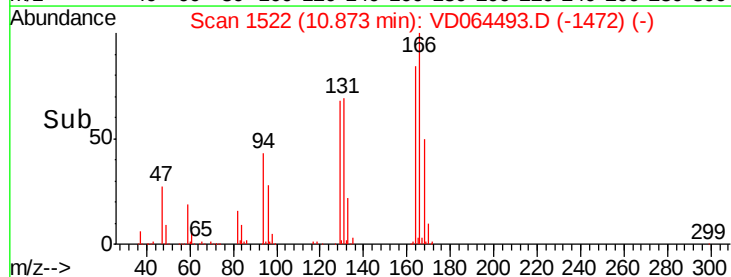
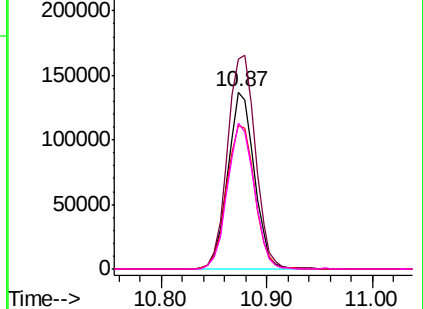


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

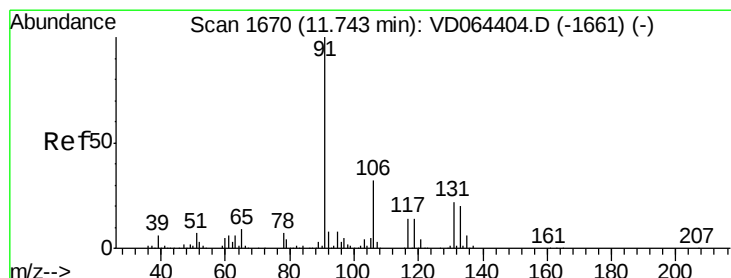
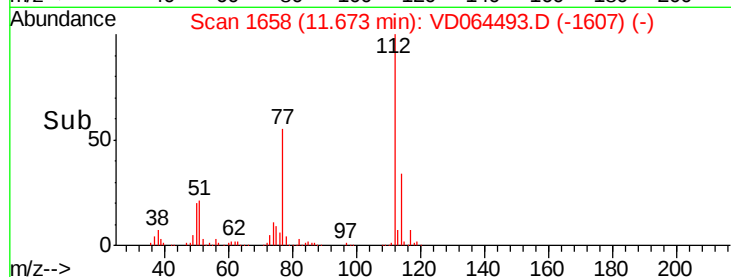
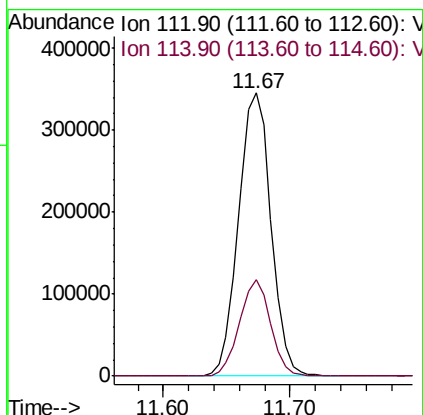
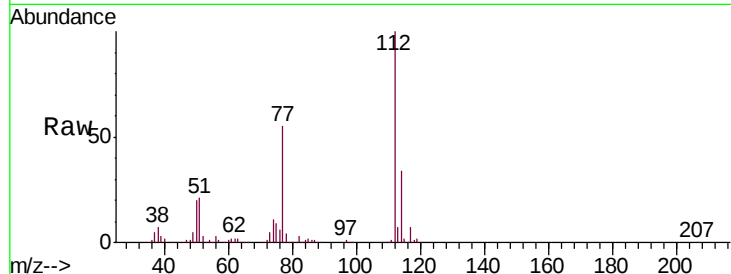




#65
Chlorobenzene
Concen: 50.578 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

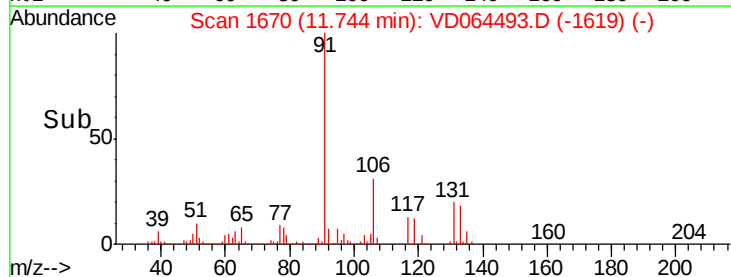
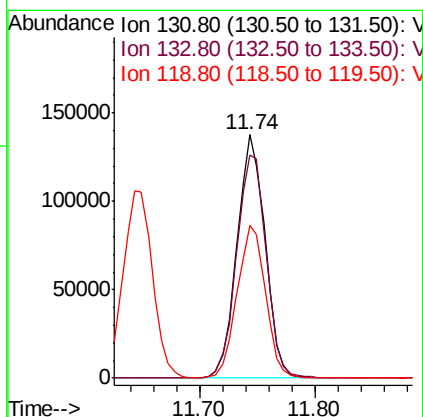
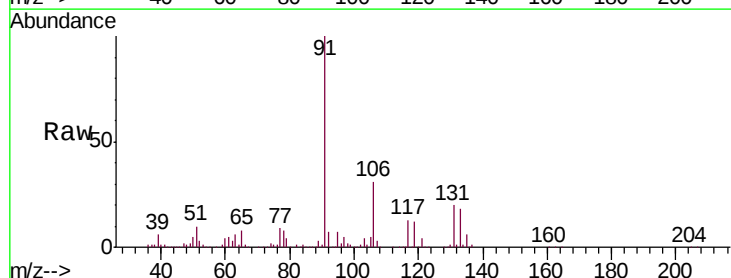
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

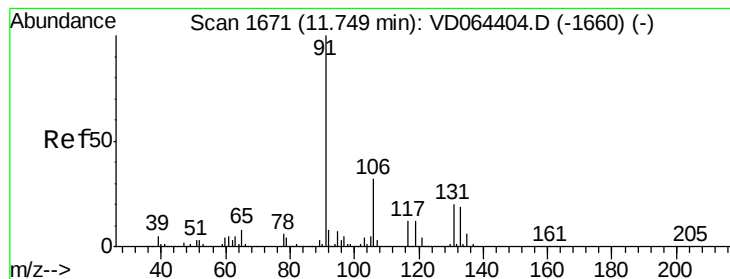
Tgt Ion:112 Resp: 613484
Ion Ratio Lower Upper
112 100
114 34.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.690 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion:131 Resp: 232097
Ion Ratio Lower Upper
131 100
133 96.7 48.3 144.9
119 63.4 31.9 95.9





#67

Ethyl Benzene

Concen: 52.886 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

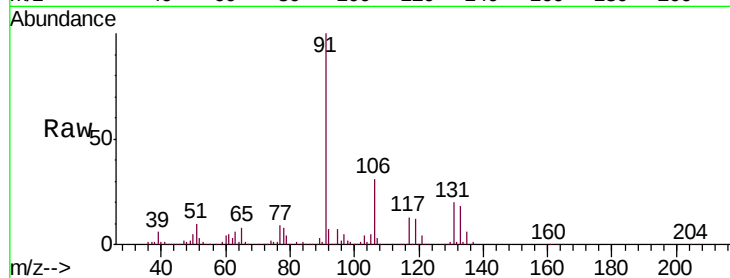
VSTD05006

Tgt Ion: 91 Resp: 1141336

Ion Ratio Lower Upper

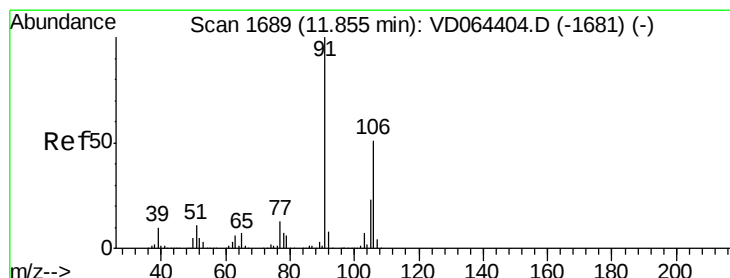
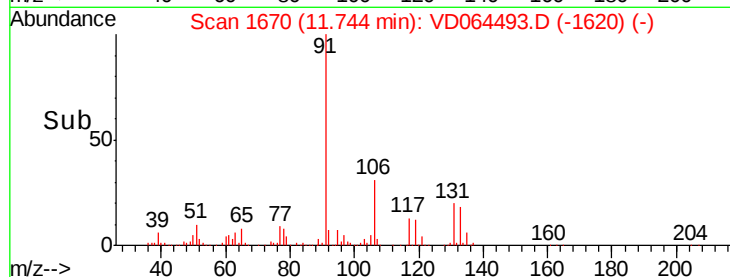
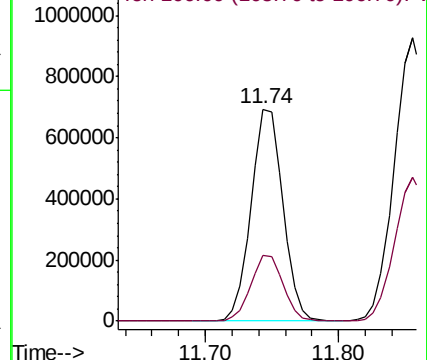
91 100

106 31.2 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 107.085 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064493.D

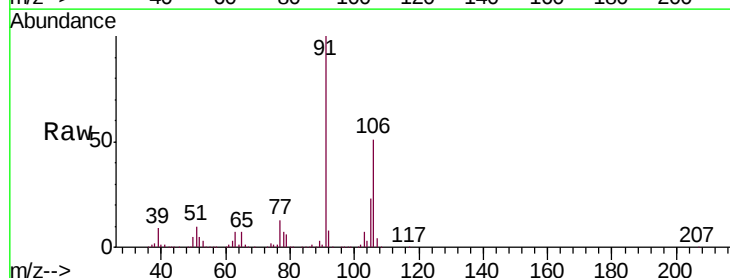
Acq: 11 Dec 2019 11:04

Tgt Ion: 106 Resp: 881165

Ion Ratio Lower Upper

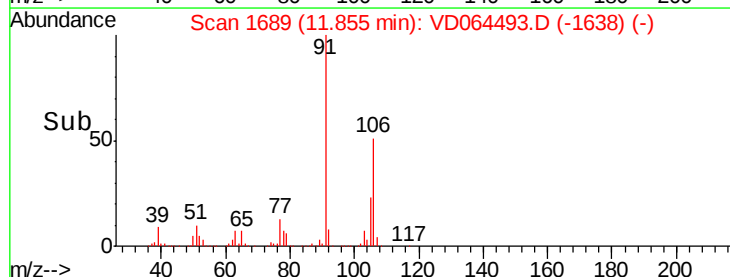
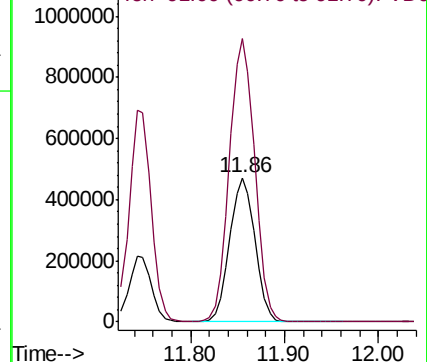
106 100

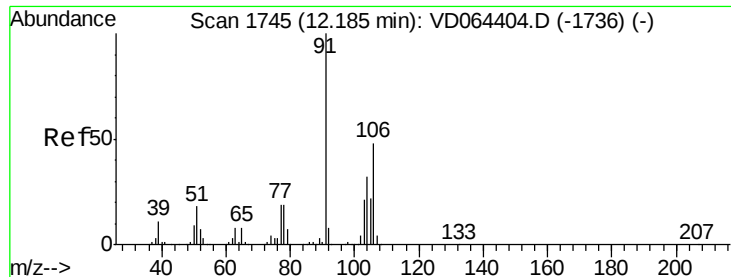
91 197.0 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

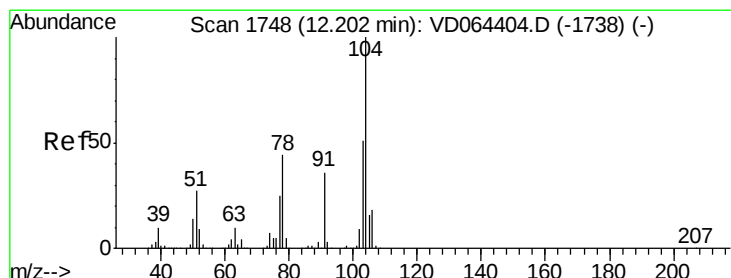
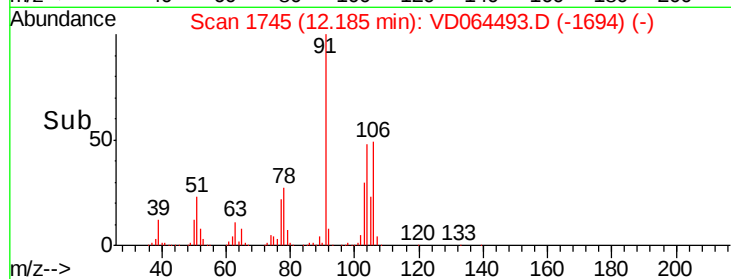
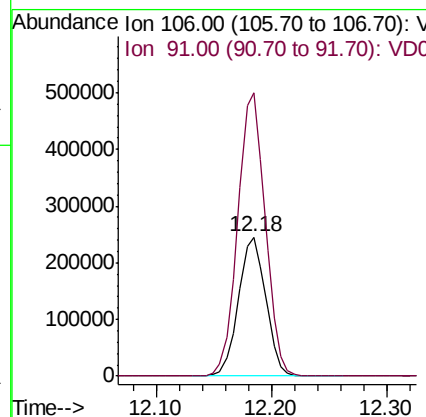
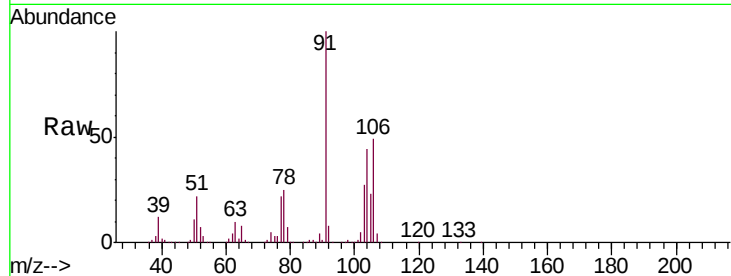




#69
o-Xylene
Concen: 52.702 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

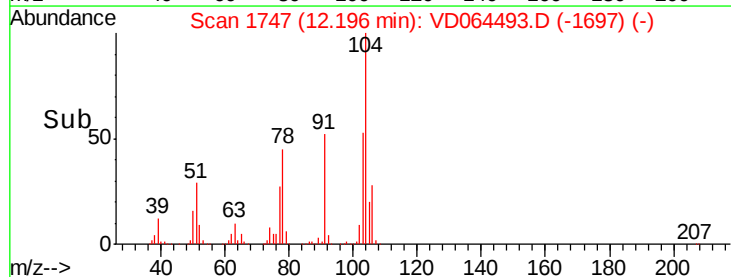
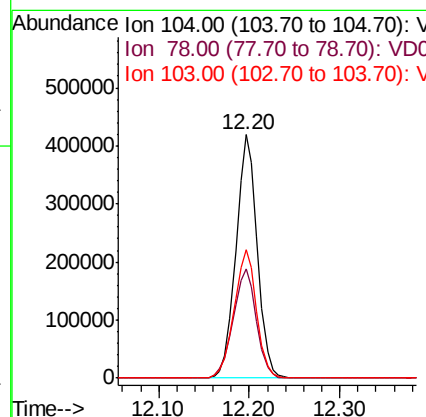
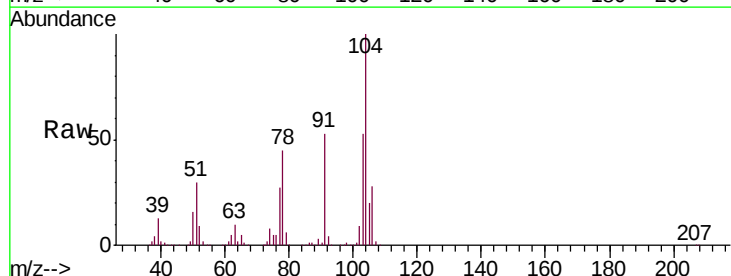
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

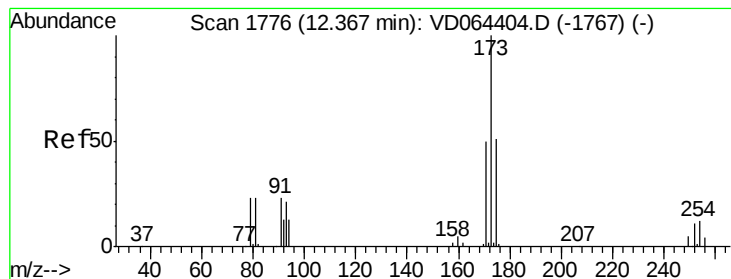
Tgt Ion:106 Resp: 400517
Ion Ratio Lower Upper
106 100
91 205.7 103.8 311.4



#70
Styrene
Concen: 51.746 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion:104 Resp: 683376
Ion Ratio Lower Upper
104 100
78 48.8 38.8 58.2
103 55.4 44.2 66.4





#71

Bromoform

Concen: 47.809 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

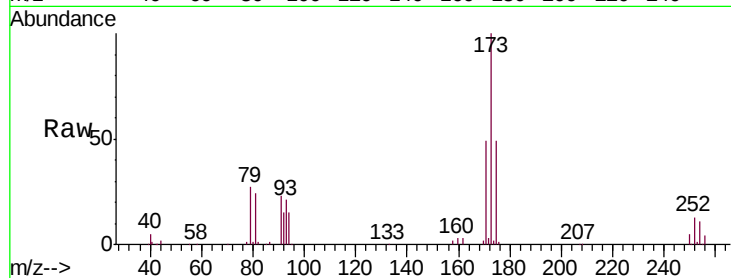
Tgt Ion:173 Resp: 128433

Ion Ratio Lower Upper

173 100

175 48.7 25.3 75.8

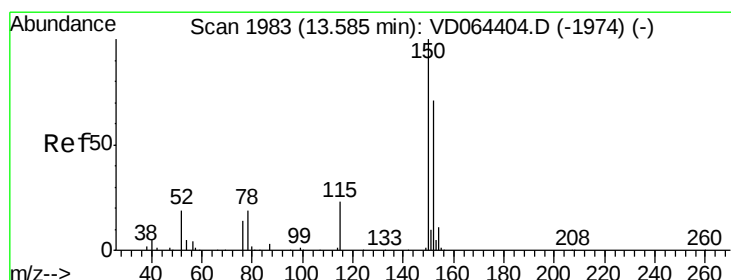
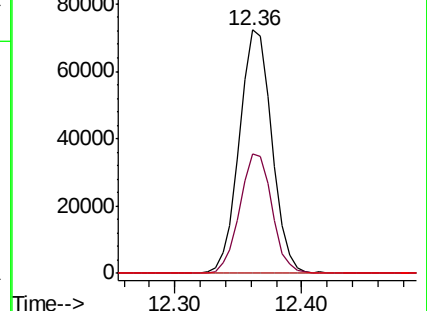
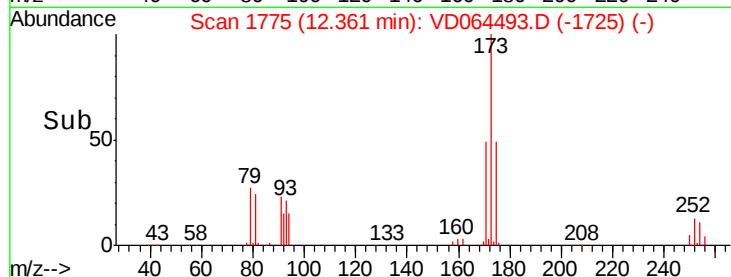
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

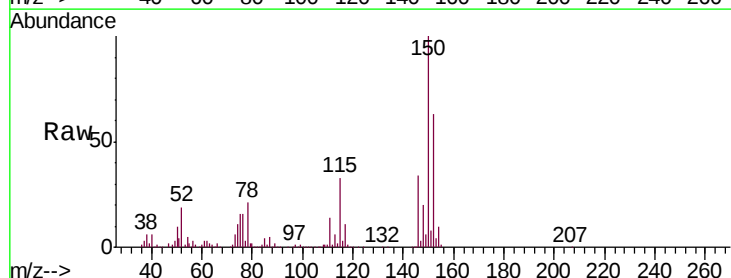
Tgt Ion:152 Resp: 288797

Ion Ratio Lower Upper

152 100

115 54.6 26.7 80.1

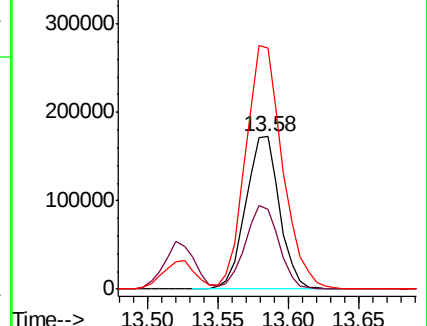
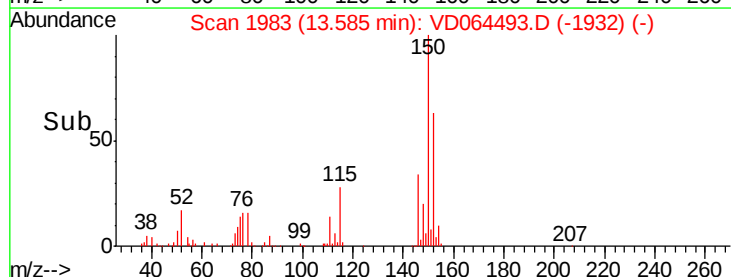
150 175.2 0.0 347.2

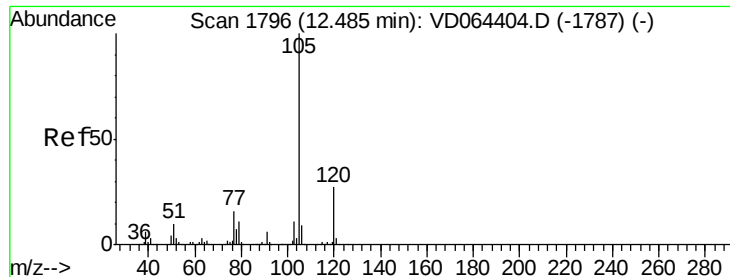


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.291 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

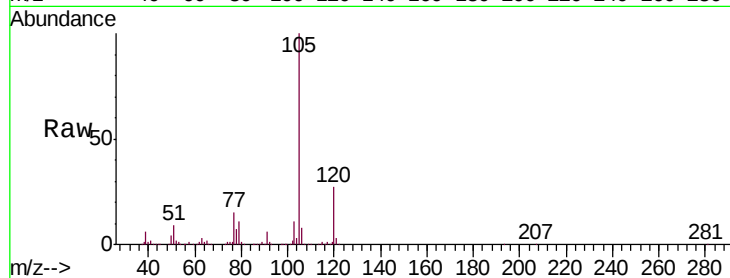
VSTD05006

Tgt Ion: 105 Resp: 1106877

Ion Ratio Lower Upper

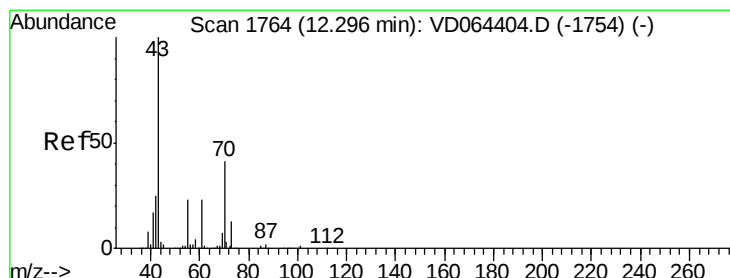
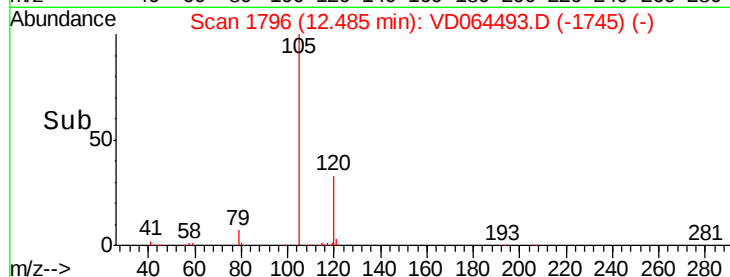
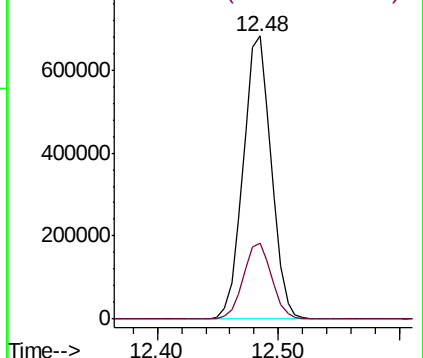
105 100

120 27.0 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.833 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion: 43 Resp: 220779

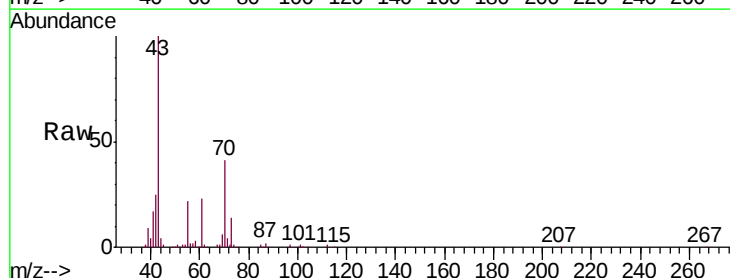
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.2

55 23.1 18.9 28.3

61 23.2 18.5 27.7

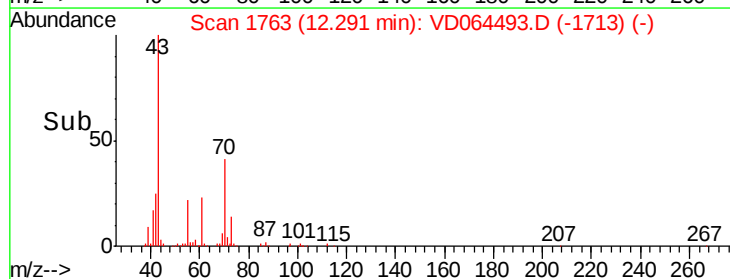
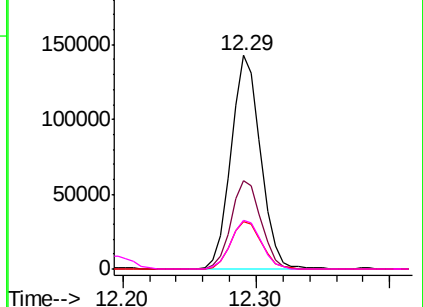


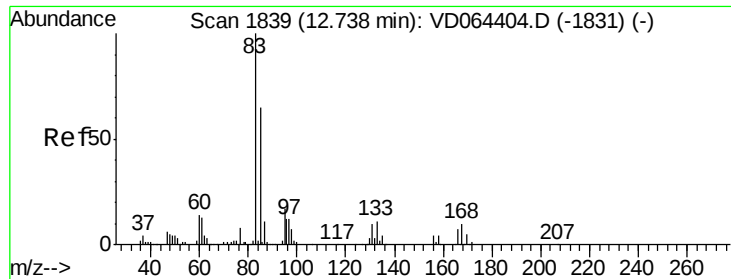
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

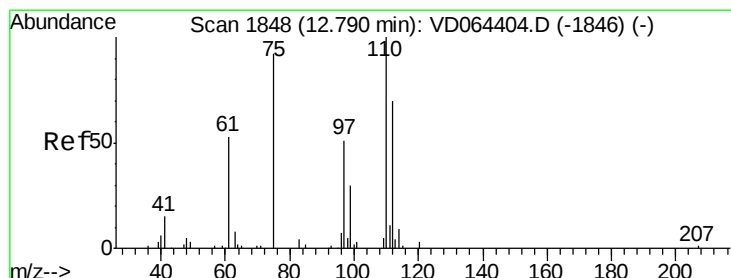
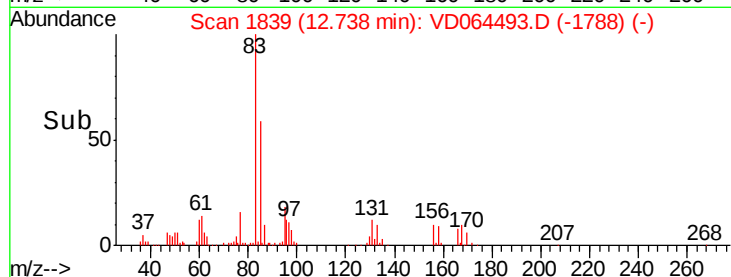
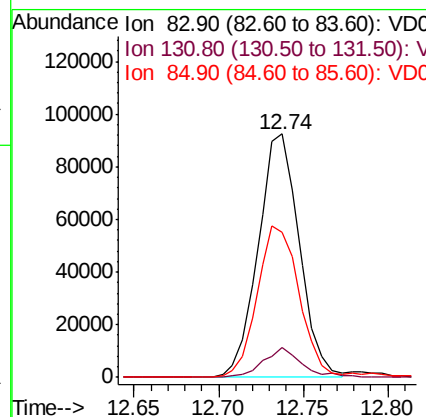
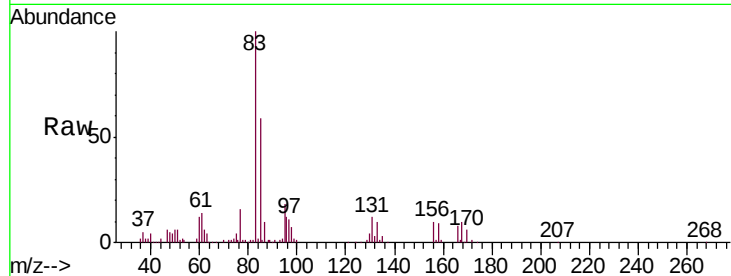




#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.555 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

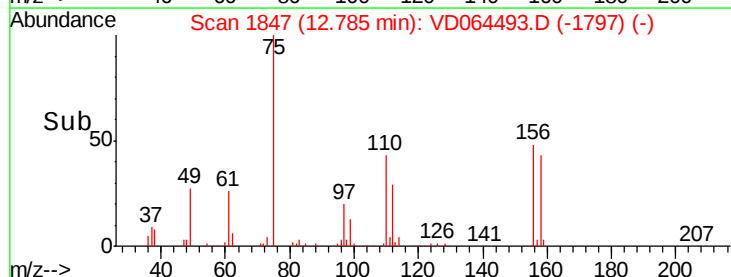
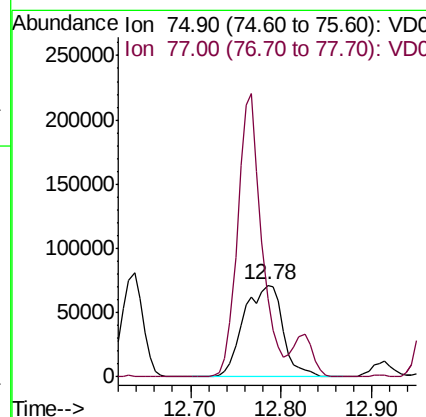
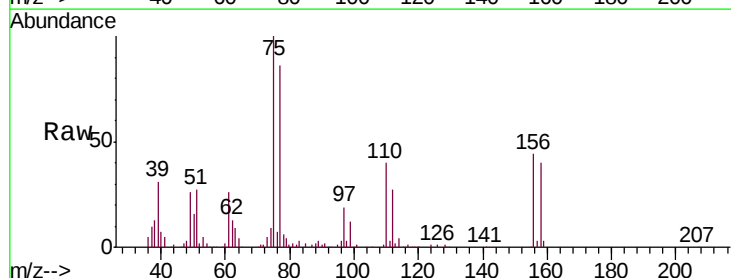
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

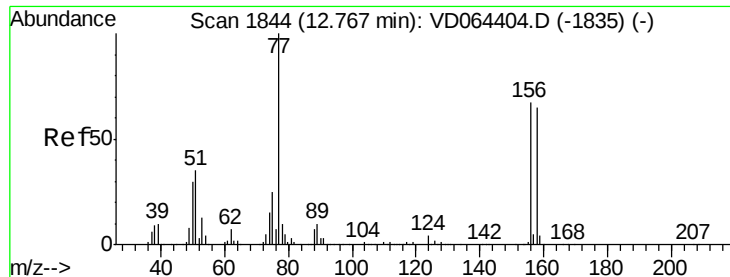
Tgt Ion: 83 Resp: 156473
 Ion Ratio Lower Upper
 83 100
 131 11.3 5.7 17.0
 85 63.6 31.3 93.9



#76
 1,2,3-Trichloropropane
 Concen: 90.006 ug/l
 RT: 12.78 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion: 75 Resp: 213761
 Ion Ratio Lower Upper
 75 100
 77 190.3 0.0 0.0#





#77

Bromobenzene

Concen: 50.692 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

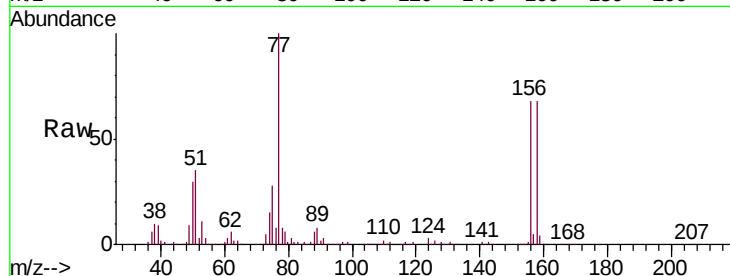
Tgt Ion:156 Resp: 260008

Ion Ratio Lower Upper

156 100

77 156.4 80.0 240.2

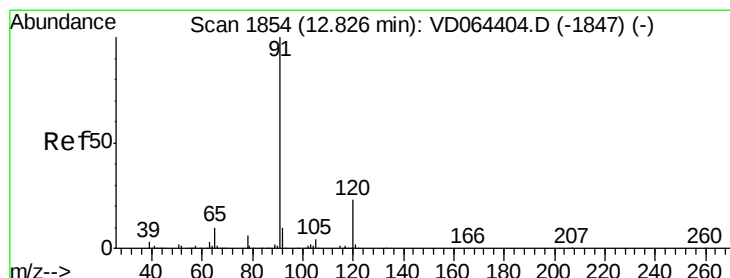
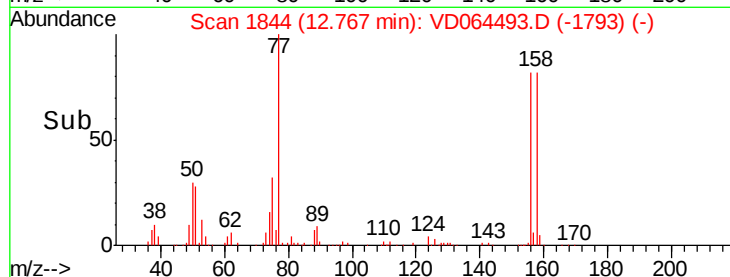
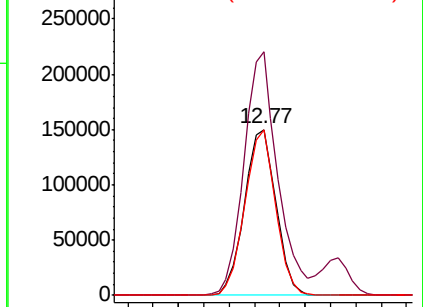
158 96.9 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.846 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064493.D

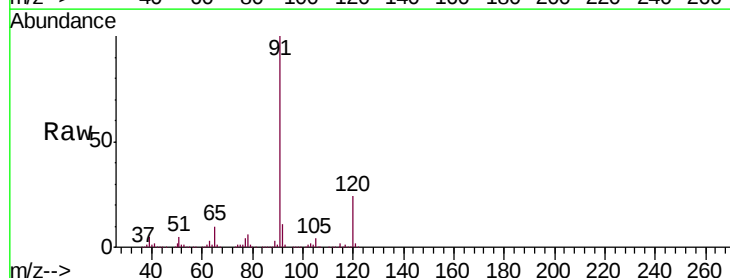
Acq: 11 Dec 2019 11:04

Tgt Ion: 91 Resp: 1290427

Ion Ratio Lower Upper

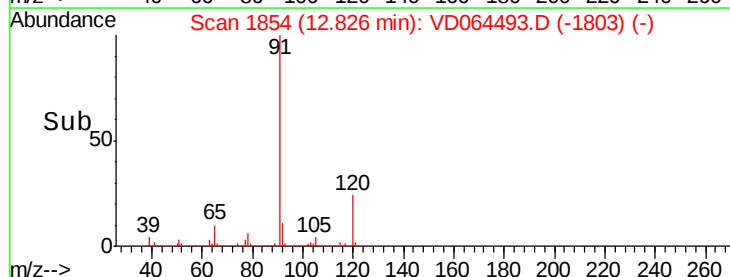
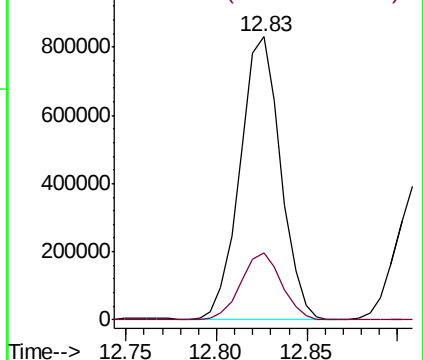
91 100

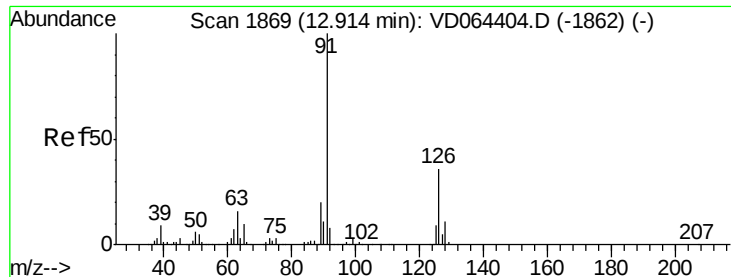
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.589 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

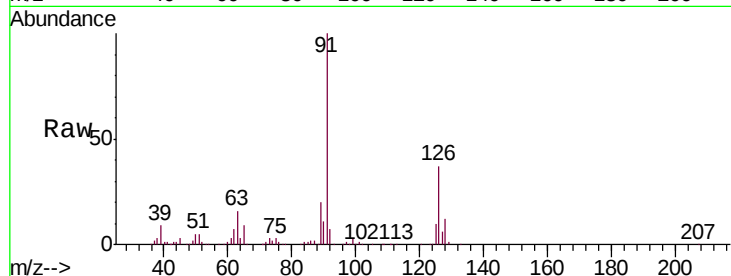
VSTD05006

Tgt Ion: 91 Resp: 680289

Ion Ratio Lower Upper

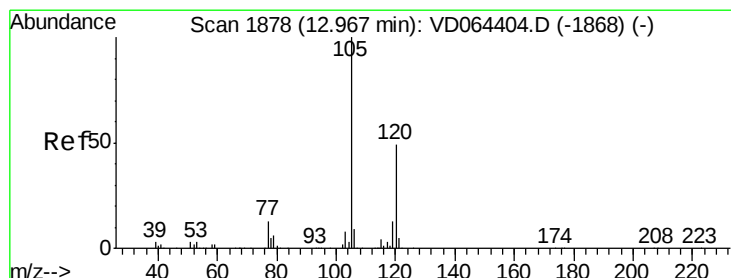
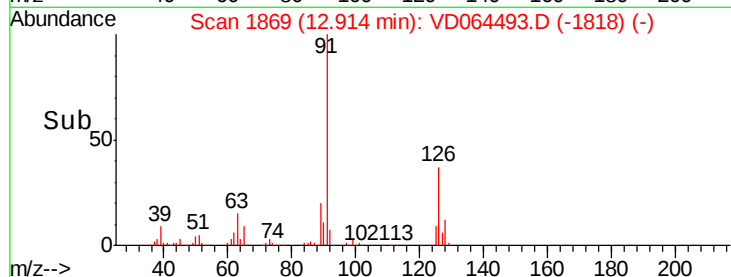
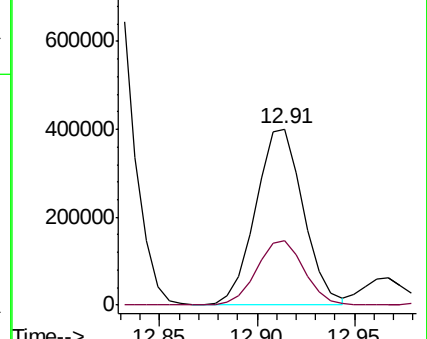
91 100

126 36.5 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064404.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.532 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064493.D

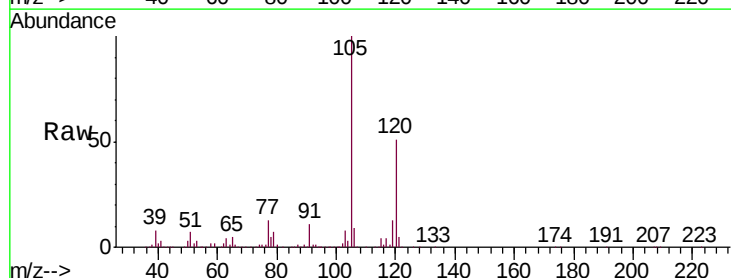
Acq: 11 Dec 2019 11:04

Tgt Ion: 105 Resp: 891651

Ion Ratio Lower Upper

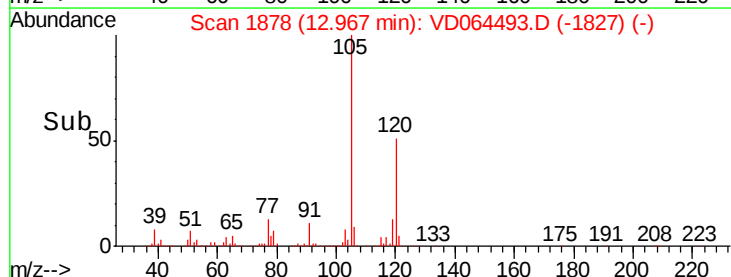
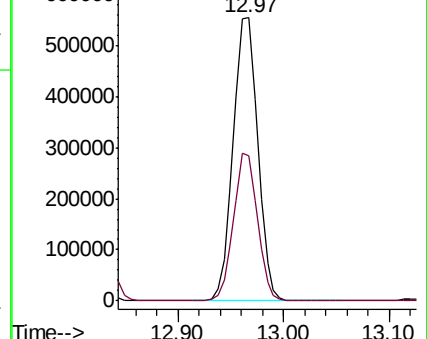
105 100

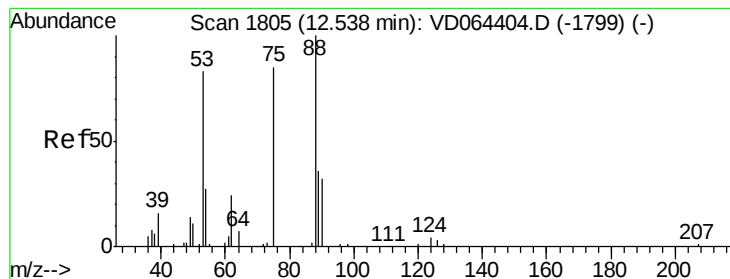
120 50.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064404.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.708 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

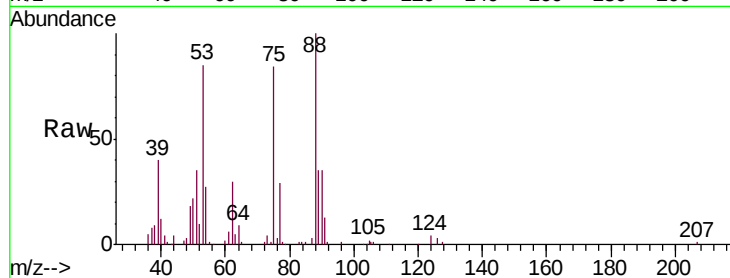
Tgt Ion: 75 Resp: 53052

Ion Ratio Lower Upper

75 100

53 99.8 81.0 121.6

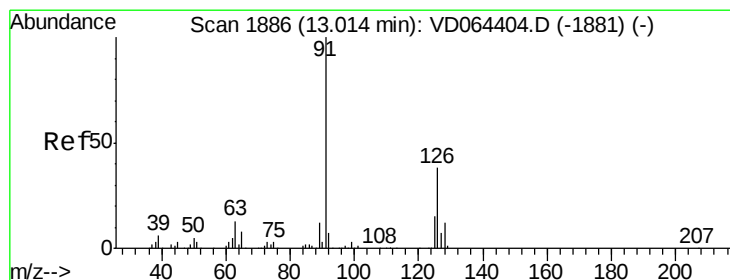
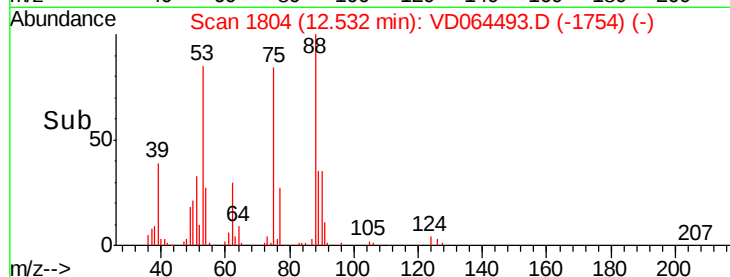
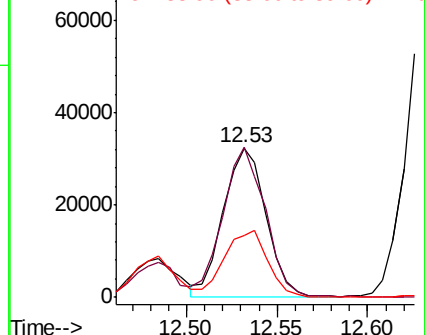
89 44.8 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.196 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064493.D

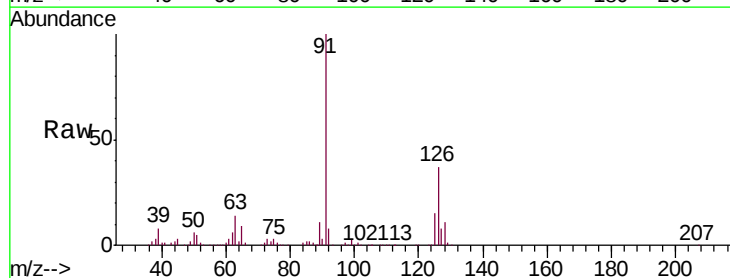
Acq: 11 Dec 2019 11:04

Tgt Ion: 91 Resp: 728757

Ion Ratio Lower Upper

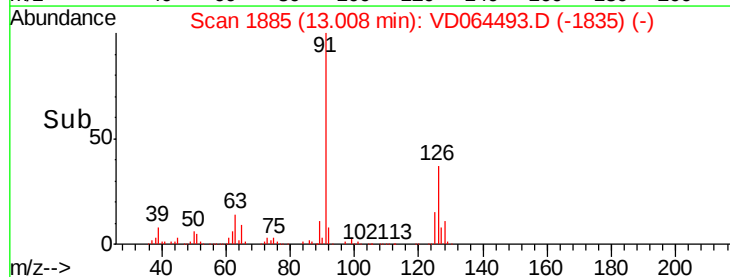
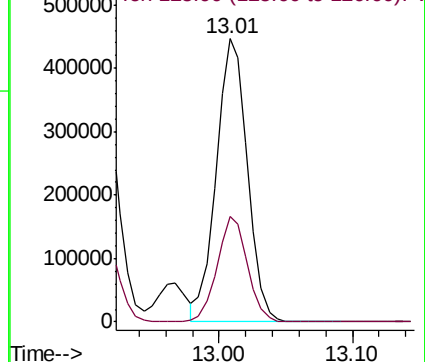
91 100

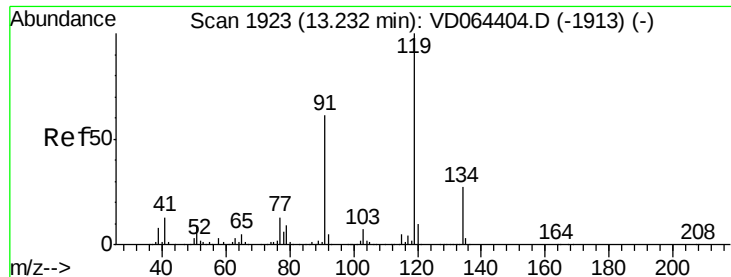
126 36.3 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

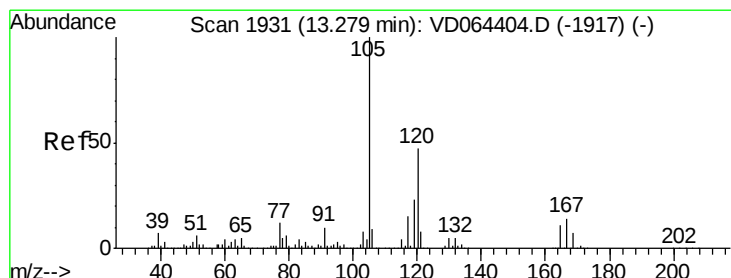
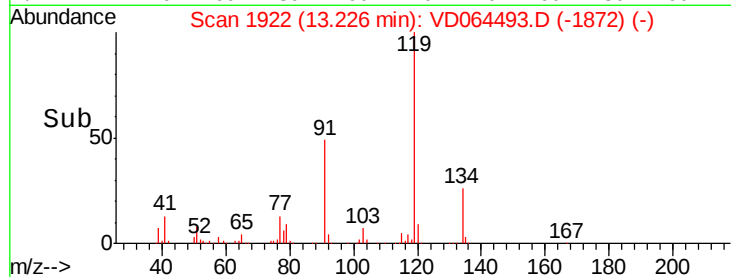
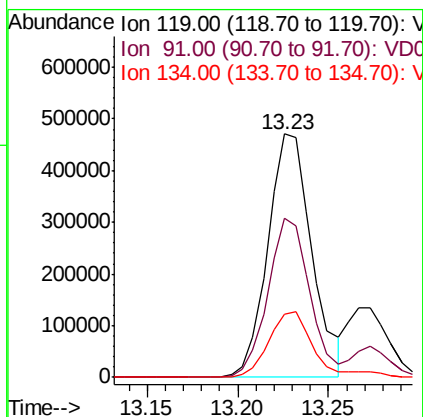
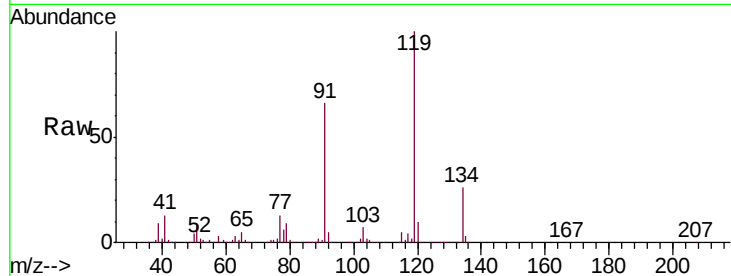




#83
 tert-Butylbenzene
 Concen: 53.952 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

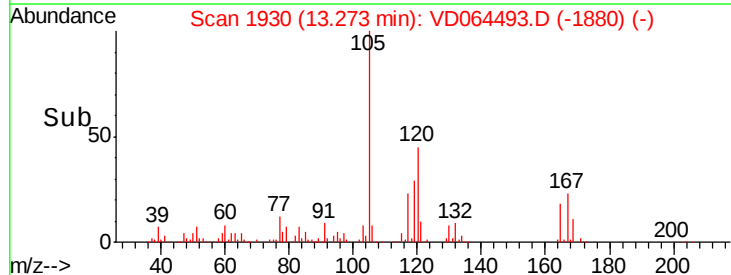
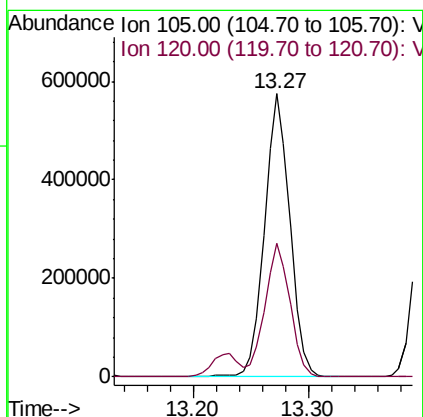
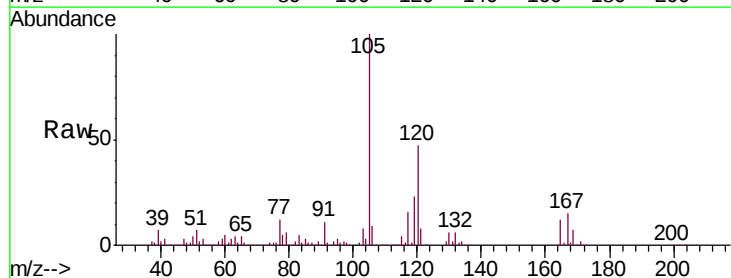
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

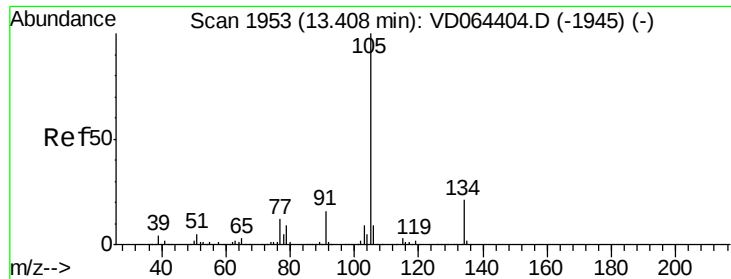
Tgt Ion:119 Resp: 796143
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.2 93.6
 134 27.7 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.578 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion:105 Resp: 880306
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.6 70.8

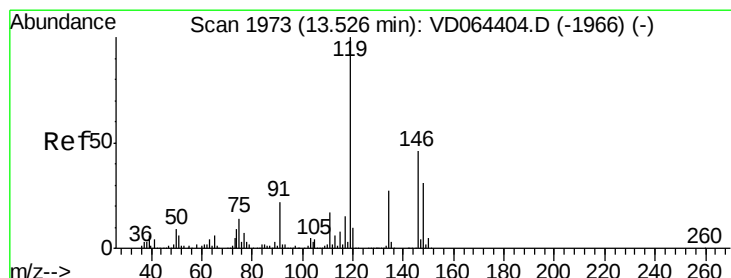
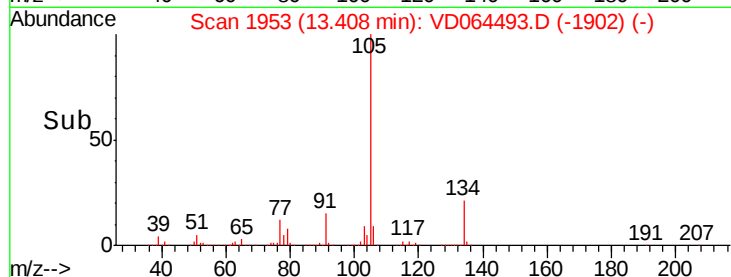
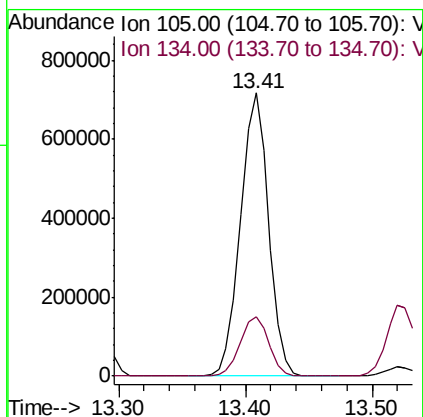
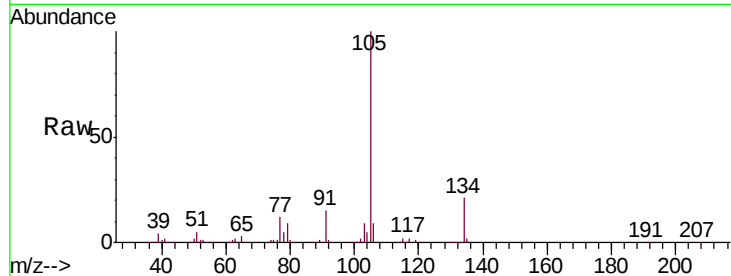




#85
 sec-Butylbenzene
 Concen: 54.263 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

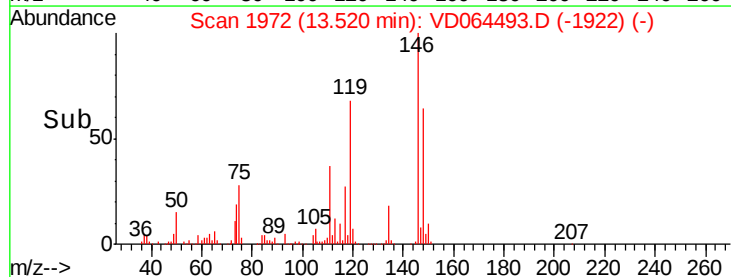
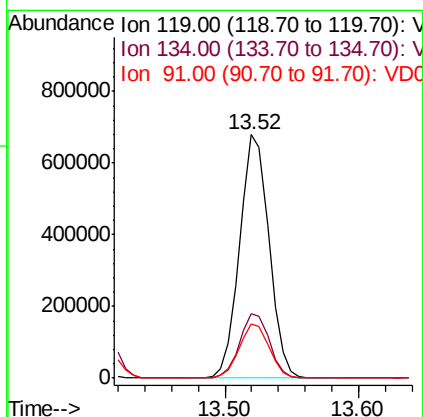
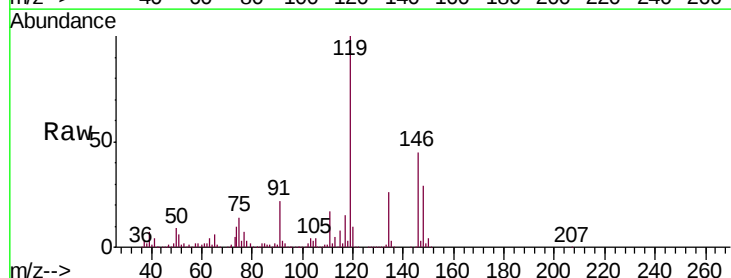
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tgt Ion:105 Resp: 1098982
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 53.886 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion:119 Resp: 1030341
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 22.5 11.2 33.5

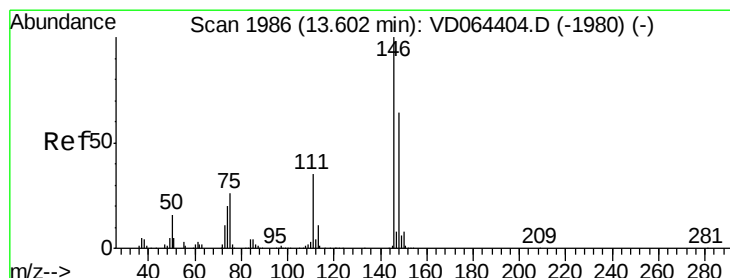
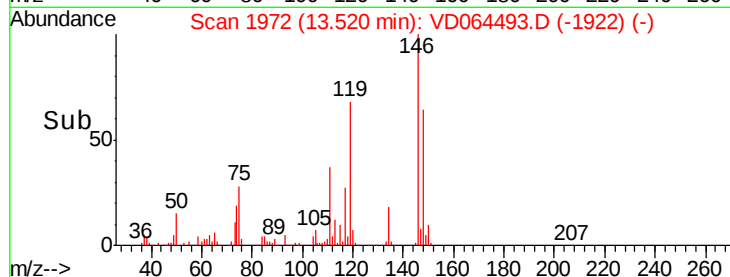
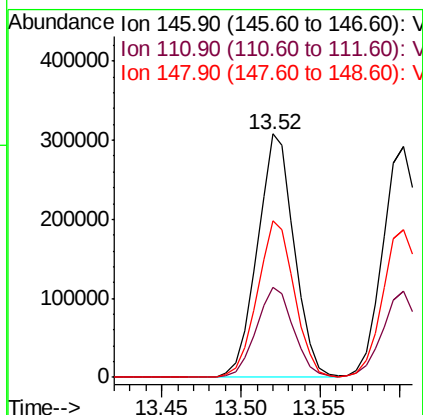
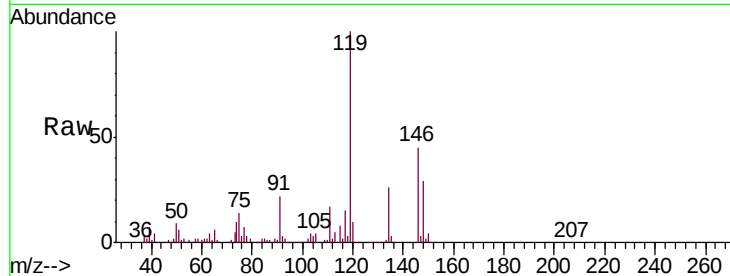




#87
 1,3-Dichlorobenzene
 Concen: 50.969 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

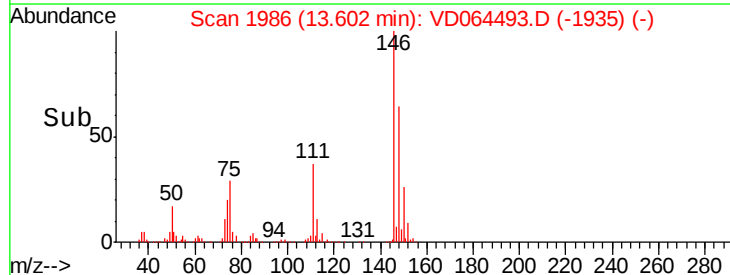
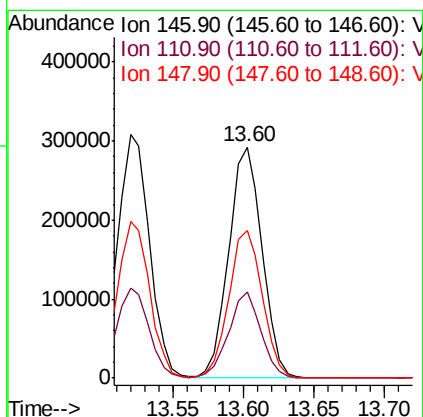
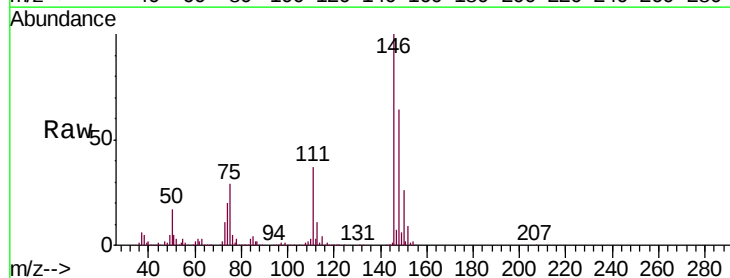
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

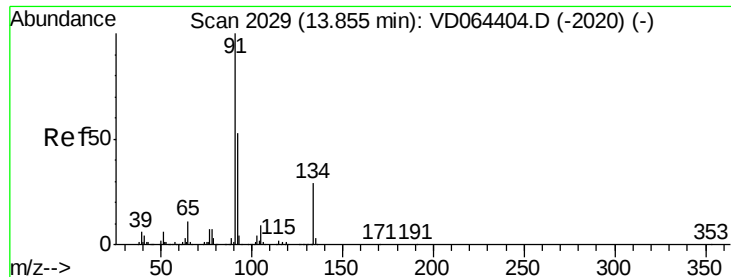
Tgt Ion:146 Resp: 496192
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.8 56.4
 148 64.7 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 50.088 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion:146 Resp: 481417
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.2 54.6
 148 64.2 31.8 95.4

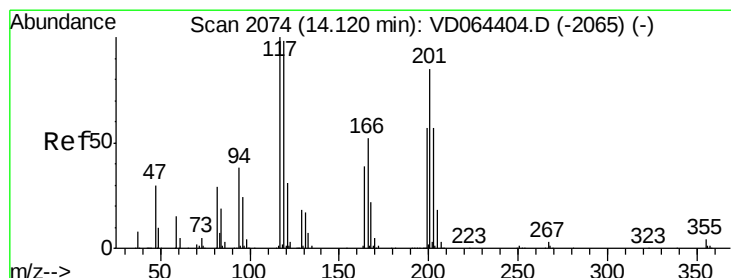
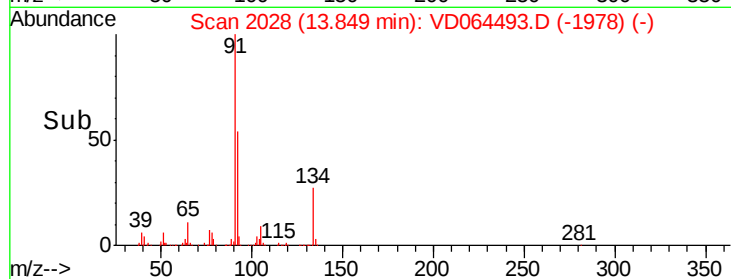
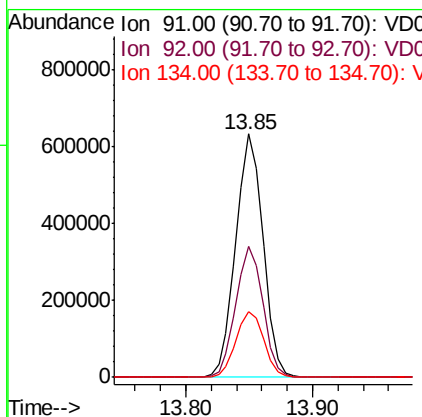
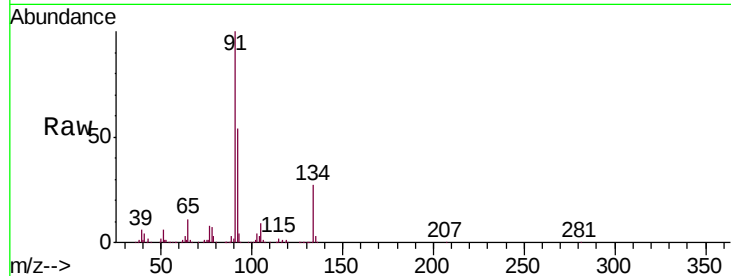




#89
n-Butylbenzene
Concen: 54.476 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

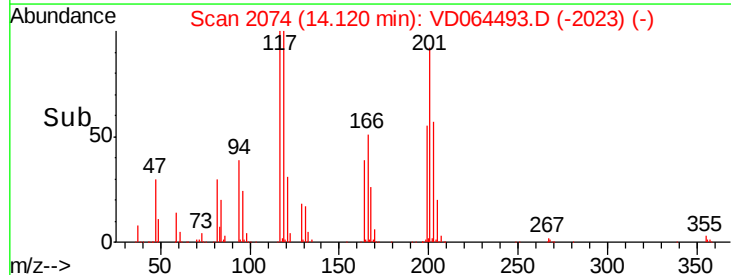
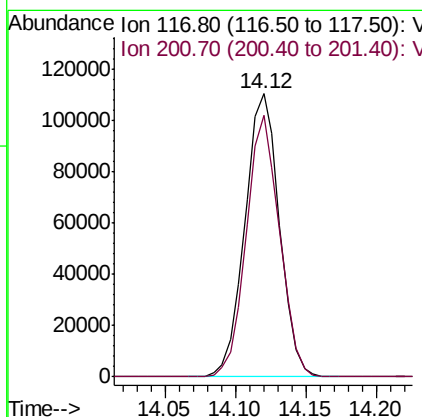
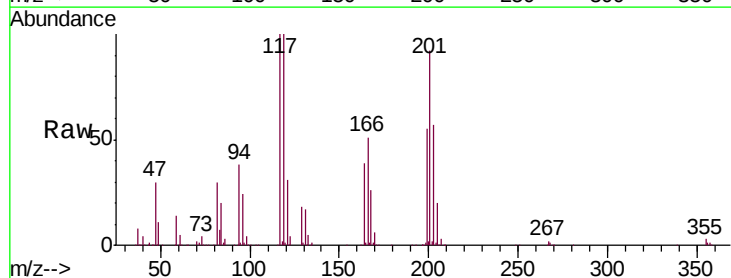
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

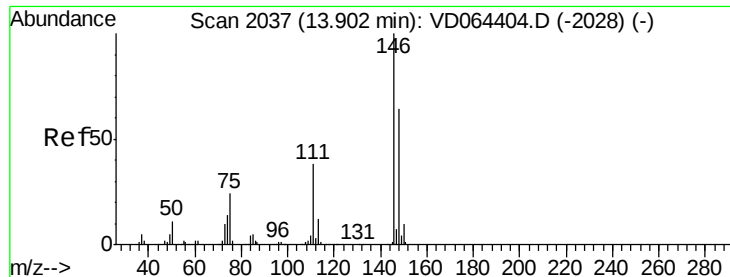
Tgt Ion: 91 Resp: 945918
Ion Ratio Lower Upper
91 100
92 53.5 26.5 79.4
134 27.6 13.9 41.7



#90
Hexachloroethane
Concen: 52.935 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion: 117 Resp: 189310
Ion Ratio Lower Upper
117 100
201 88.9 44.3 132.8

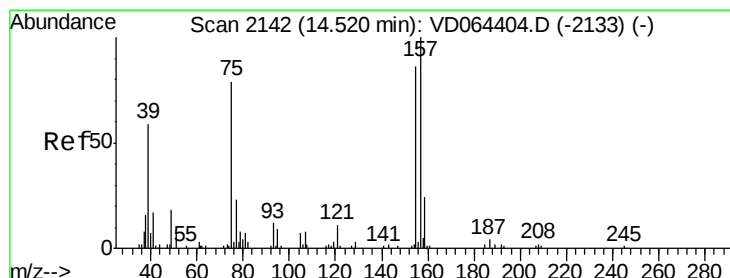
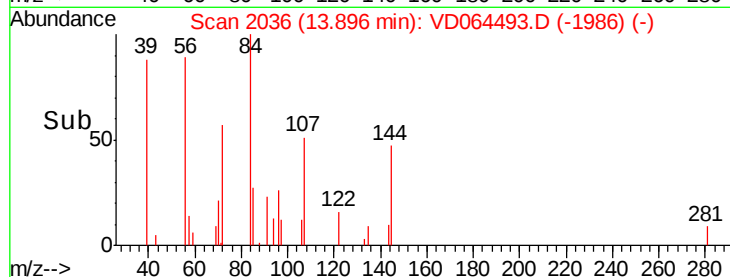
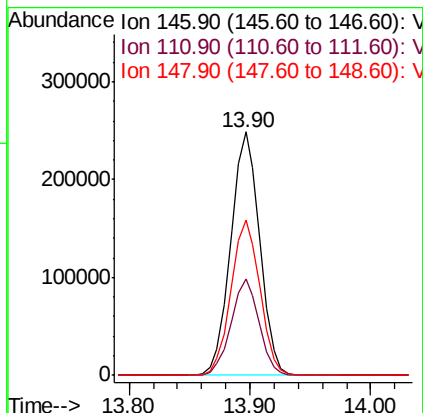
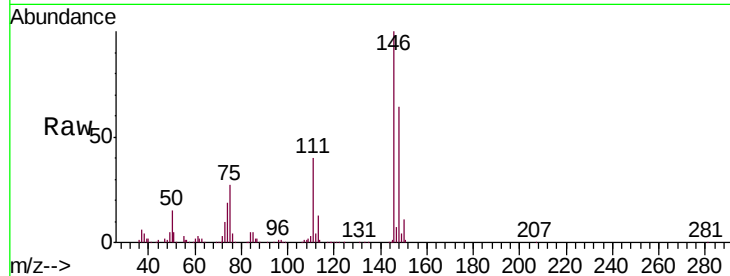




#91
 1,2-Dichlorobenzene
 Concen: 49.702 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

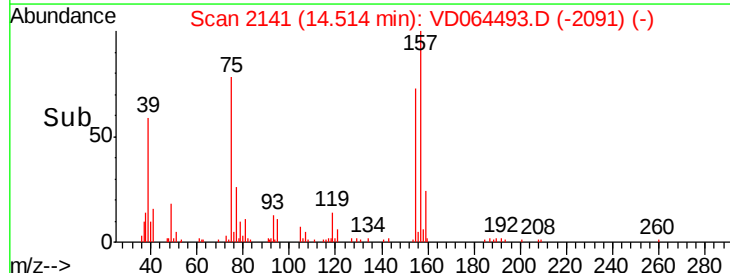
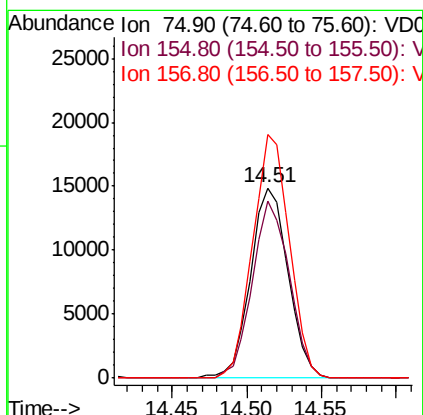
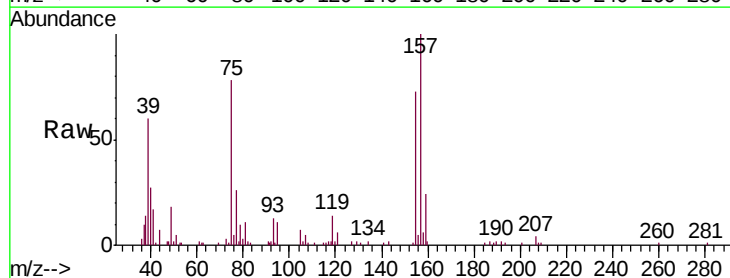
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

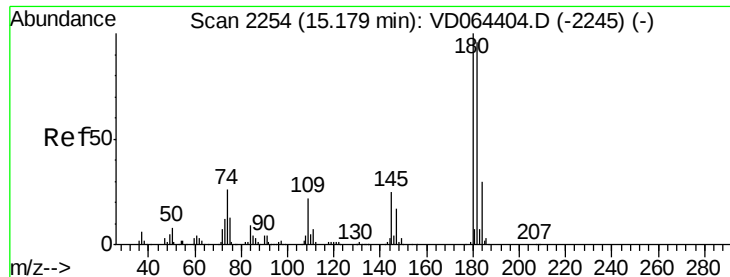
Tgt Ion: 146 Resp: 413512
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.1 57.3
 148 63.9 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.368 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion: 75 Resp: 25834
 Ion Ratio Lower Upper
 75 100
 155 92.0 51.9 155.7
 157 124.9 63.2 189.8

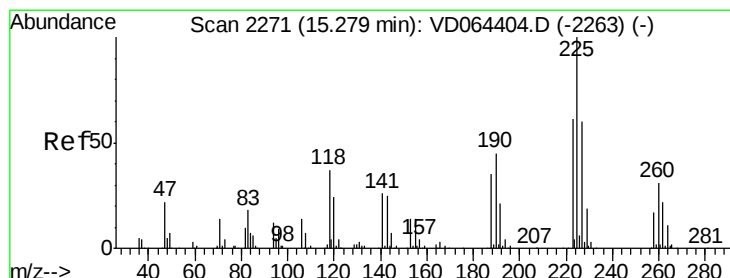
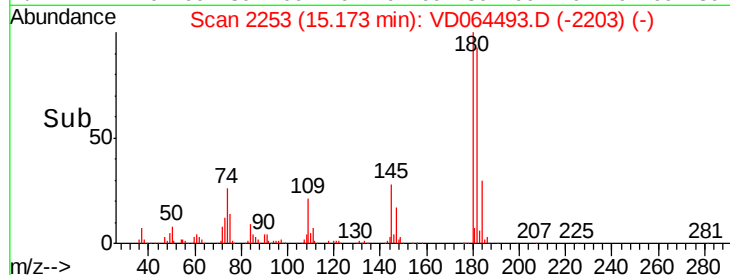
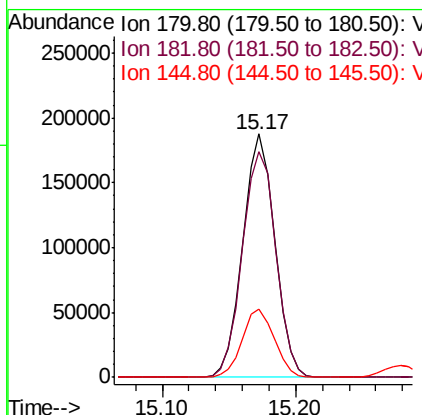
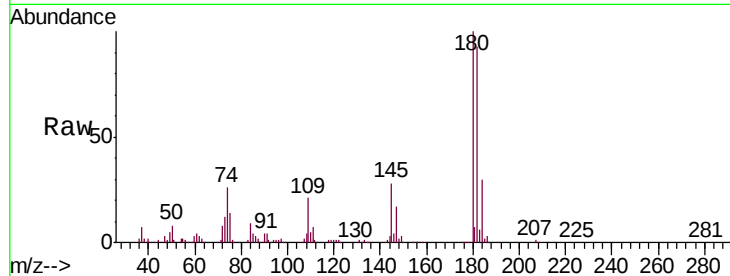




#93
 1,2,4-Trichlorobenzene
 Concen: 48.804 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

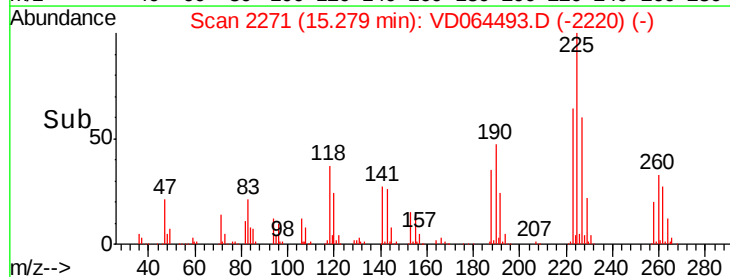
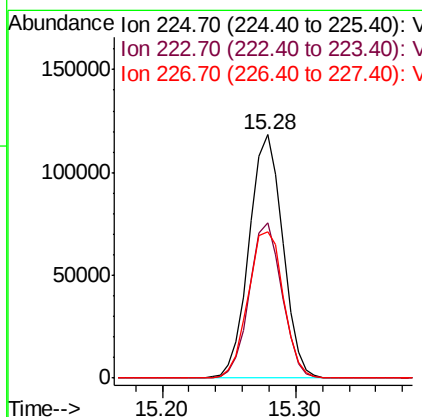
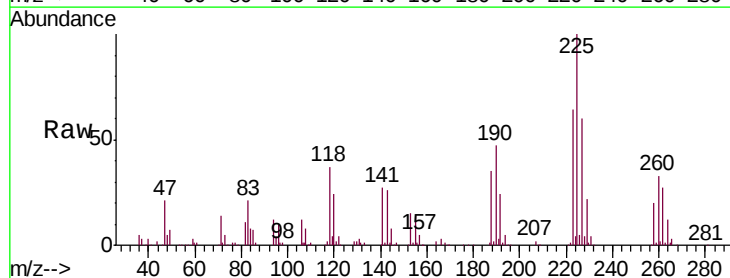
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

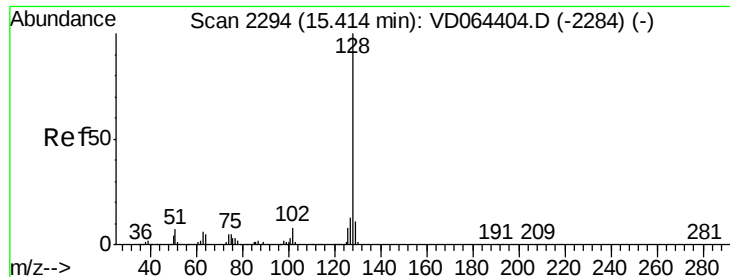
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.3
145	28.3	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 52.387 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.1	93.3
227	63.2	31.8	95.4

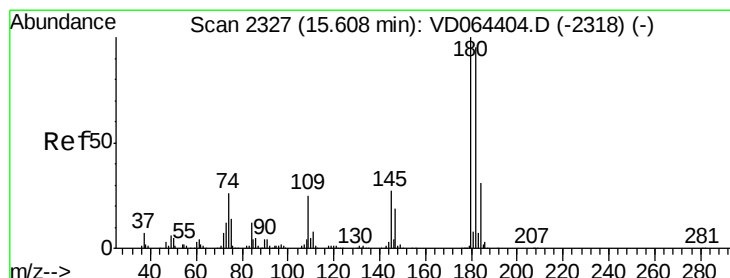
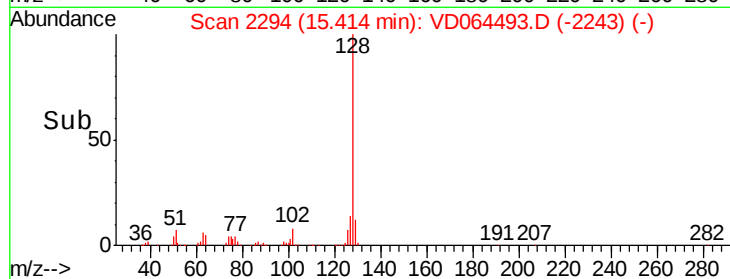
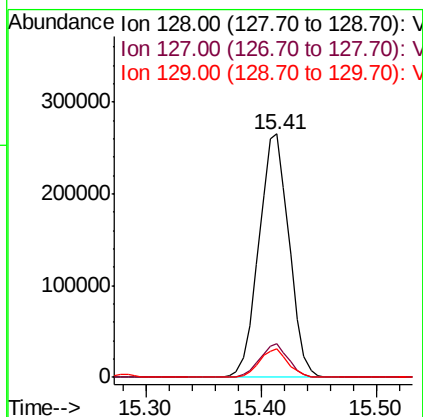
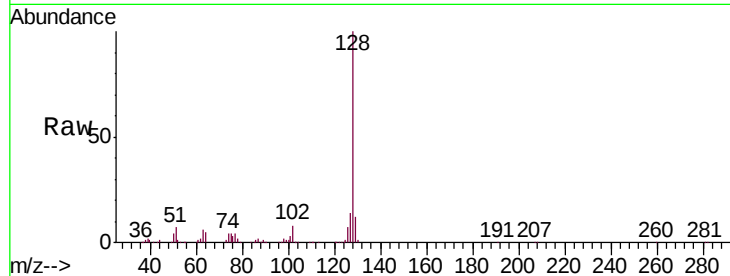




#95
Naphthalene
Concen: 45.530 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tgt Ion:128 Resp: 484145
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.468 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion:180 Resp: 263617
Ion Ratio Lower Upper
180 100
182 96.0 47.6 142.9
145 29.9 14.6 43.8

