

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064146.D
 Acq On : 01 Nov 2019 11:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 01 18:01:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	223388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	315022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	323769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	183544	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	86112	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	7.91	113	99822	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.34	98	417515	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	12.64	95	139256	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	107000	46.908	ug/l	96
3) Chloromethane	2.21	50	173892	45.690	ug/l	100
4) Vinyl Chloride	2.35	62	196254	47.551	ug/l	98
5) Bromomethane	2.77	94	125676	46.725	ug/l	98
6) Chloroethane	2.92	64	126246	49.248	ug/l	91
7) Trichlorofluoromethane	3.27	101	280198	49.317	ug/l	99
8) Diethyl Ether	3.71	74	46384	46.968	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	101864	49.751	ug/l	98
10) Methyl Iodide	4.29	142	125766	49.578	ug/l	99
11) Tert butyl alcohol	5.25	59	22332	219.233	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	91899	47.425	ug/l	89
13) Acrolein	3.92	56	24100	212.746	ug/l	98
14) Allyl chloride	4.71	41	114594	50.525	ug/l	98
15) Acrylonitrile	5.43	53	86914	238.255	ug/l	99
16) Acetone	4.16	43	100500	297.306	ug/l	98
17) Carbon Disulfide	4.40	76	294198	49.404	ug/l	97
18) Methyl Acetate	4.71	43	42213	46.947	ug/l #	77
19) Methyl tert-butyl Ether	5.48	73	184408	46.898	ug/l	95
20) Methylene Chloride	4.96	84	108736	50.386	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	108137	49.712	ug/l	93
22) Diisopropyl ether	6.36	45	248778	49.528	ug/l	97
23) Vinyl Acetate	6.31	43	678184	246.313	ug/l	99
24) 1,1-Dichloroethane	6.26	63	167246	49.307	ug/l	97
25) 2-Butanone	7.22	43	116408	249.096	ug/l	97
26) 2,2-Dichloropropane	7.21	77	157007	48.770	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	120485	49.500	ug/l	97
28) Bromochloromethane	7.54	49	66233	50.091	ug/l	98
29) Tetrahydrofuran	7.57	42	64158	235.237	ug/l	98
30) Chloroform	7.71	83	196539	50.637	ug/l	100
31) Cyclohexane	7.98	56	152699	46.209	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	181909	50.349	ug/l	98
36) 1,1-Dichloropropene	8.11	75	148807	50.411	ug/l	97
37) Ethyl Acetate	7.31	43	47269	52.025	ug/l #	94
38) Carbon Tetrachloride	8.10	117	171007	53.097	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	193338	53.356	ug/l	93
40) Benzene	8.36	78	424971	52.794	ug/l	99
41) Methacrylonitrile	7.57	41	64326	122.681	ug/l #	29
42) 1,2-Dichloroethane	8.43	62	110266	51.858	ug/l	99
43) Isopropyl Acetate	8.46	43	92705	50.487	ug/l	97
44) Trichloroethene	9.11	130	129045	52.893	ug/l	99
45) 1,2-Dichloropropane	9.39	63	100481	53.863	ug/l	97
46) Dibromomethane	9.47	93	59204	52.695	ug/l	99
47) Bromodichloromethane	9.66	83	148269	52.311	ug/l	99
48) Methyl methacrylate	9.46	41	44588	52.510	ug/l	92
49) 1,4-Dioxane	9.47	88	15394	1196.987	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	251273	251.367	ug/l	100
52) Toluene	10.41	92	304366	53.954	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	140757	53.200	ug/l	92
54) cis-1,3-Dichloropropene	10.10	75	167286	53.741	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	82407	51.733	ug/l	96
56) Ethyl methacrylate	10.67	69	90702	47.038	ug/l	97
57) 1,3-Dichloropropane	10.95	76	132010	50.110	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	180855	259.153	ug/l	98
59) 2-Hexanone	10.99	43	187344	239.475	ug/l	100
60) Dibromochloromethane	11.14	129	109788	50.779	ug/l	95
61) 1,2-Dibromoethane	11.25	107	81939	51.431	ug/l	99
64) Tetrachloroethene	10.88	164	119656	51.443	ug/l	97
65) Chlorobenzene	11.67	112	342666	51.222	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	127603	50.976	ug/l	96
67) Ethyl Benzene	11.75	91	612397	51.467	ug/l	99
68) m/p-Xylenes	11.86	106	494613	103.345	ug/l	98
69) o-Xylene	12.18	106	228405	52.292	ug/l	100
70) Styrene	12.20	104	397894	52.818	ug/l	99
71) Bromoform	12.36	173	67569	50.542	ug/l #	97
73) Isopropylbenzene	12.48	105	639240	50.119	ug/l	98
74) N-amyl acetate	12.30	43	97039	45.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	90428	44.981	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	120818	97.962	ug/l #	100
77) Bromobenzene	12.77	156	153100	49.716	ug/l	99
78) n-propylbenzene	12.83	91	754158	50.456	ug/l	100
79) 2-Chlorotoluene	12.91	91	405529	50.614	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	543772	50.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	29287	48.497	ug/l	99
82) 4-Chlorotoluene	13.01	91	426922	49.867	ug/l	97
83) tert-Butylbenzene	13.23	119	481229	50.193	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	563843	52.581	ug/l	99
85) sec-Butylbenzene	13.41	105	675536	51.308	ug/l	98
86) p-Isopropyltoluene	13.52	119	653517	52.827	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	319401	51.757	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	309569	50.887	ug/l	99
89) n-Butylbenzene	13.85	91	593458	52.010	ug/l	98
90) Hexachloroethane	14.11	117	116338	50.230	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	271775	51.172	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13856	47.192	ug/l	94

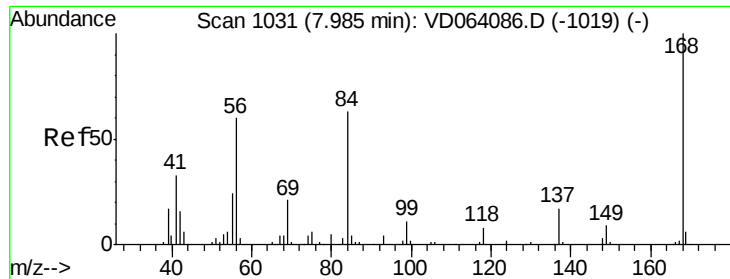
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
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Quant Time: Nov 01 18:01:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	194933	51.061	ug/l	98
94) Hexachlorobutadiene	15.27	225	117759	52.777	ug/l	98
95) Naphthalene	15.41	128	308673	49.577	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	163896	49.564	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

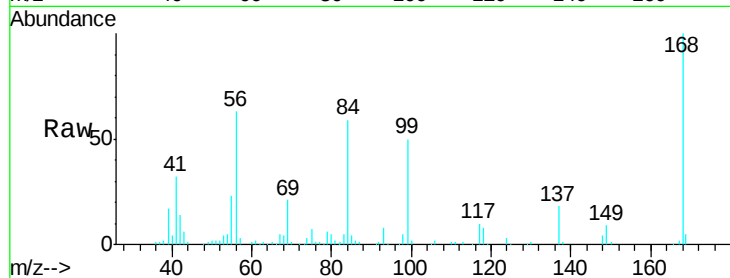
VSTDCCC050

Tgt Ion: 168 Resp: 223388

Ion Ratio Lower Upper

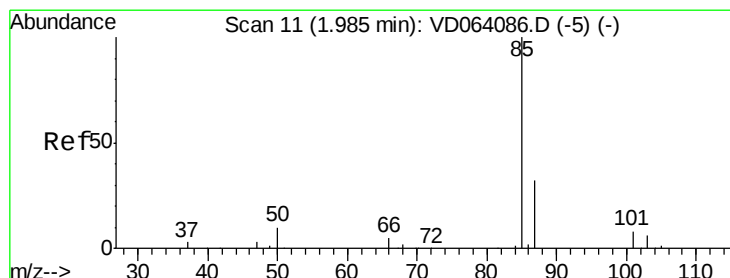
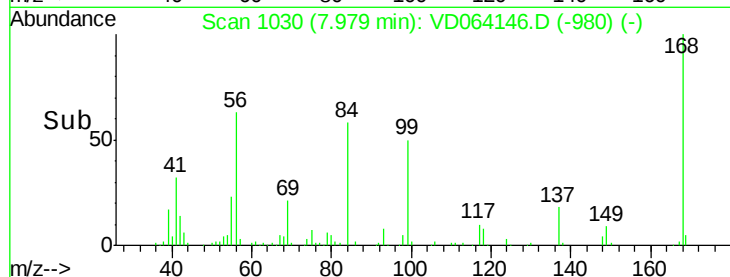
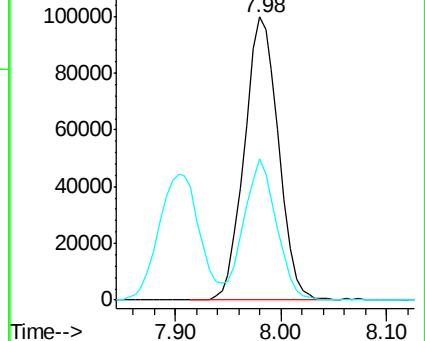
168 100

99 49.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 46.908 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064146.D

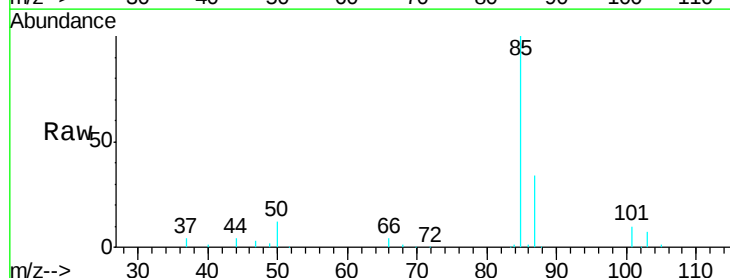
Acq: 01 Nov 2019 11:45

Tgt Ion: 85 Resp: 107000

Ion Ratio Lower Upper

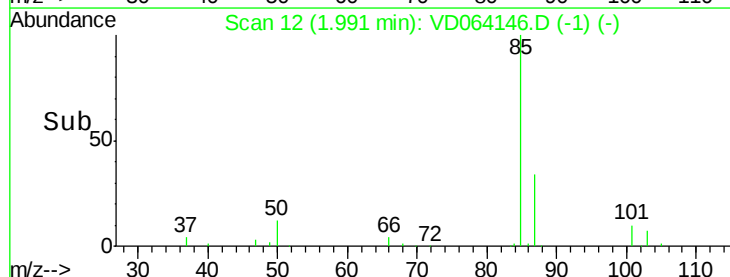
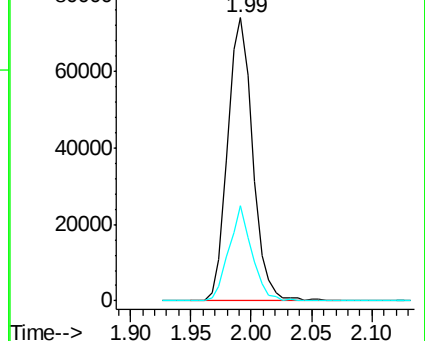
85 100

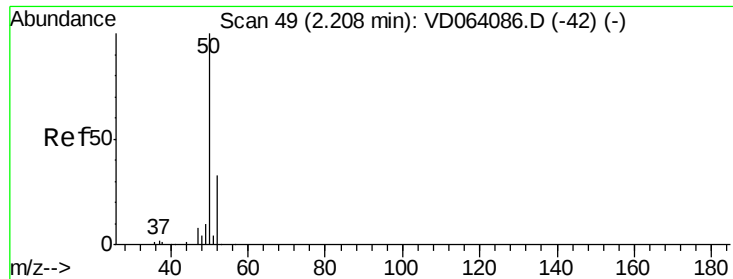
87 33.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.690 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

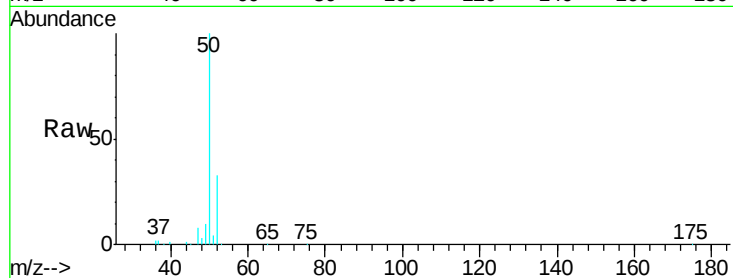
VSTDCCC050

Tgt Ion: 50 Resp: 173892

Ion Ratio Lower Upper

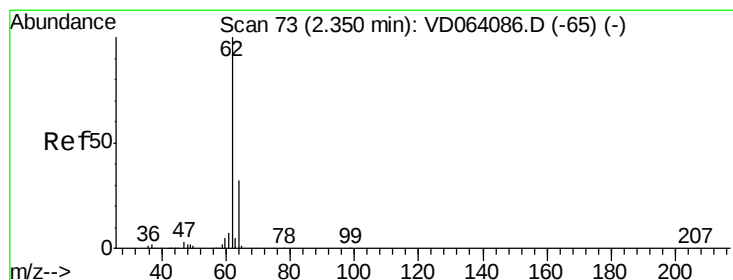
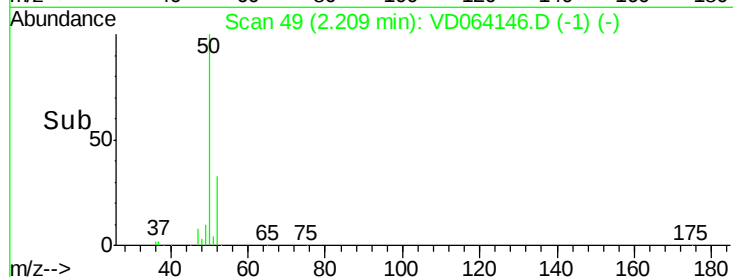
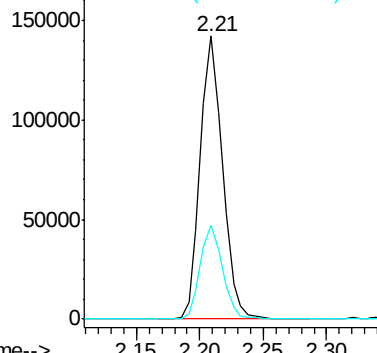
50 100

52 33.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.551 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064146.D

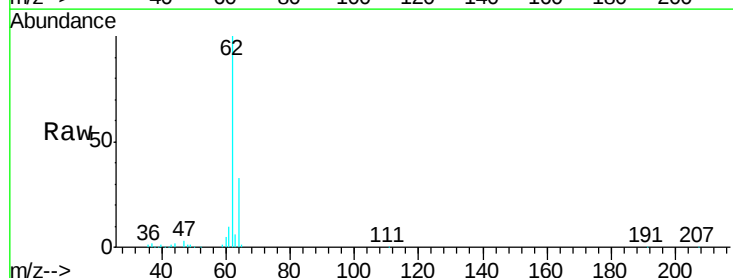
Acq: 01 Nov 2019 11:45

Tgt Ion: 62 Resp: 196254

Ion Ratio Lower Upper

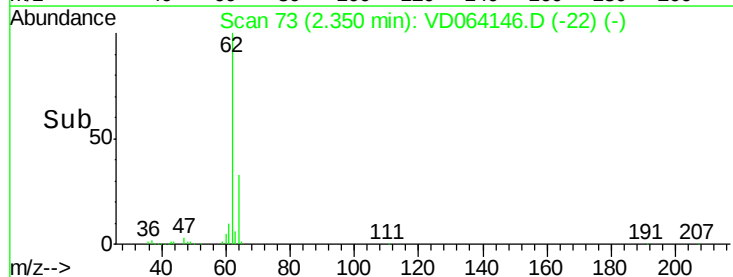
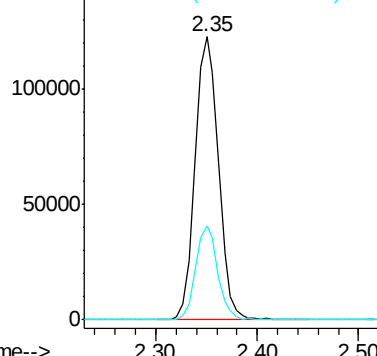
62 100

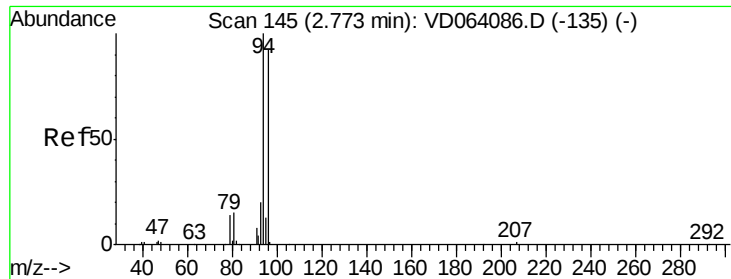
64 33.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.725 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

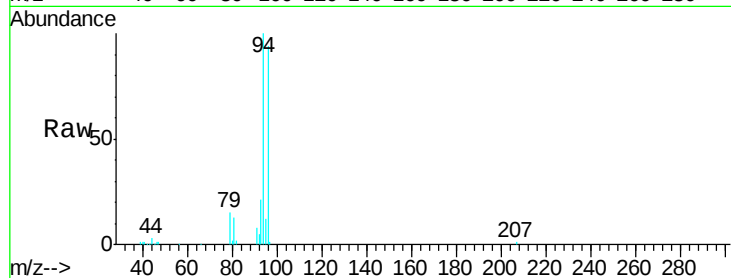
VSTDCCC050

Tgt Ion: 94 Resp: 125676

Ion Ratio Lower Upper

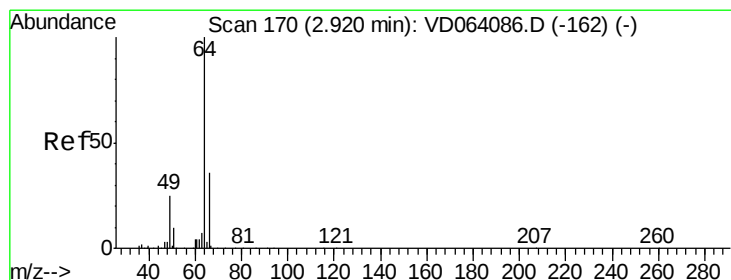
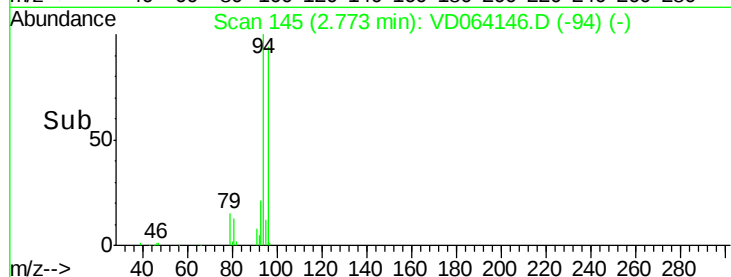
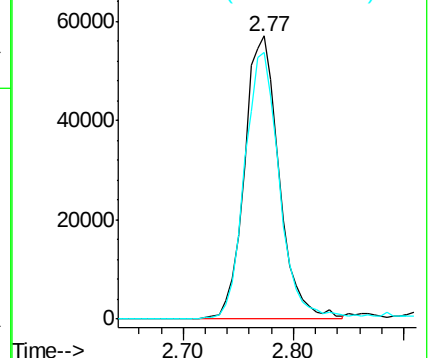
94 100

96 94.3 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.248 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064146.D

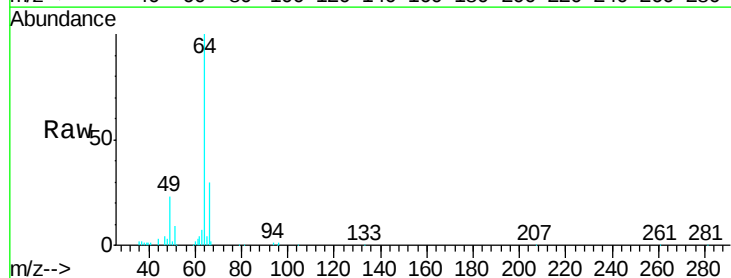
Acq: 01 Nov 2019 11:45

Tgt Ion: 64 Resp: 126246

Ion Ratio Lower Upper

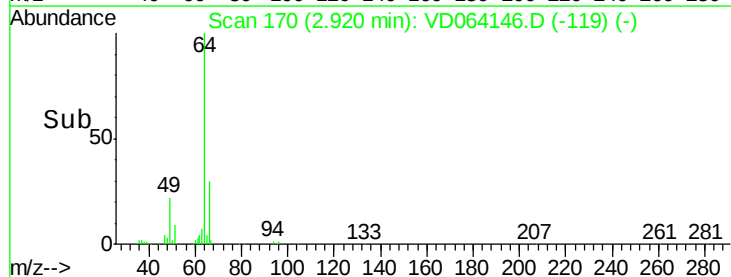
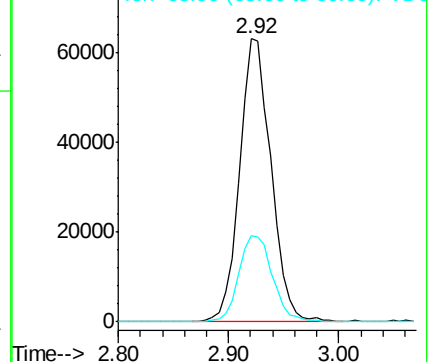
64 100

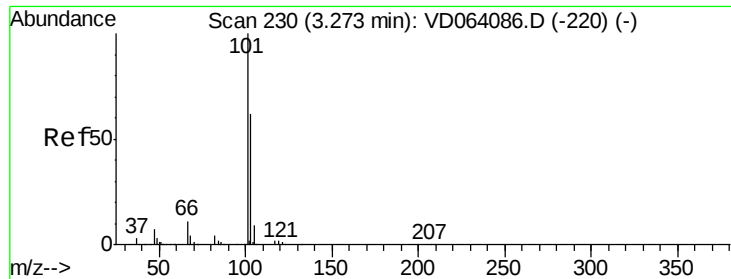
66 30.4 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



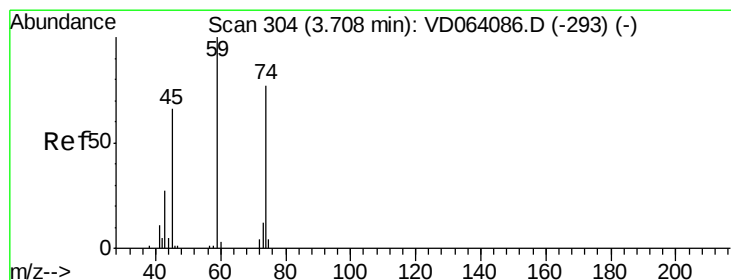
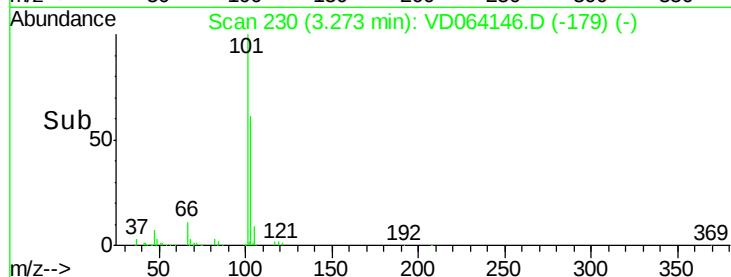
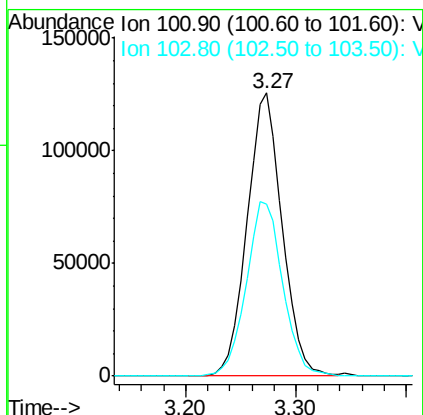
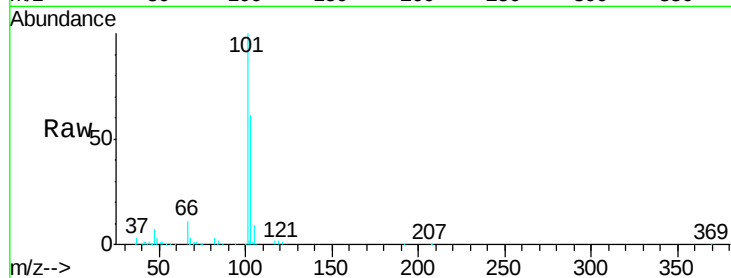


#7

Trichlorofluoromethane
 Concen: 49.317 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

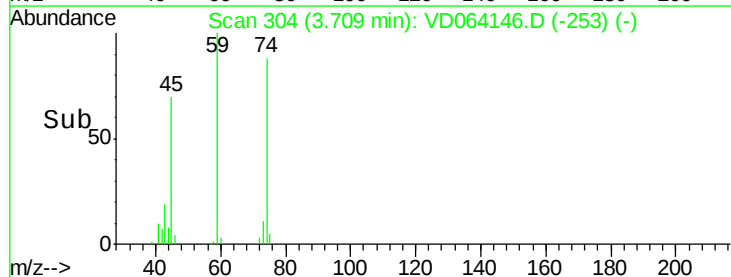
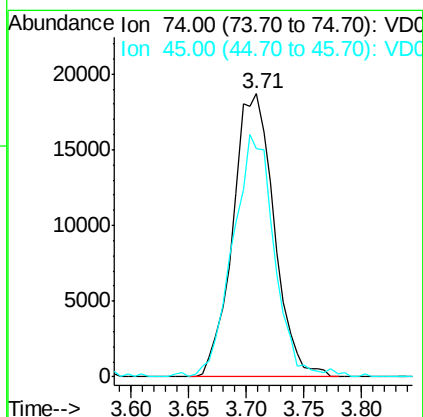
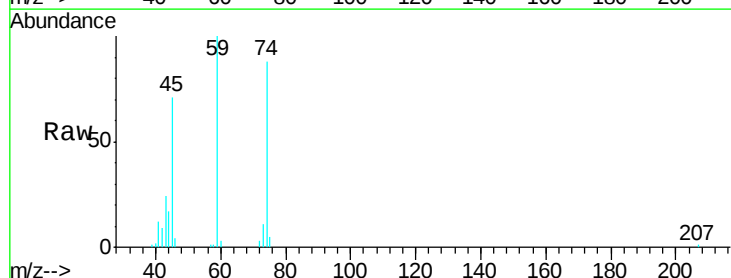
Tgt Ion: 101 Resp: 280198
 Ion Ratio Lower Upper
 101 100
 103 60.9 49.6 74.4

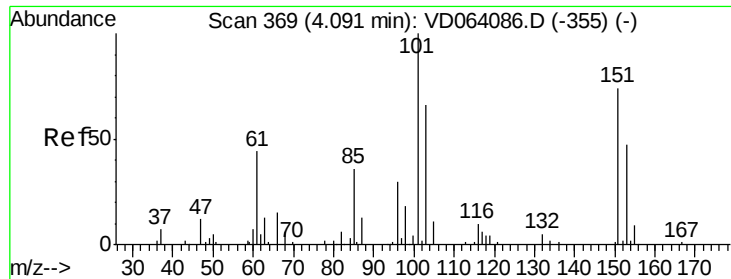


#8

Diethyl Ether
 Concen: 46.968 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion: 74 Resp: 46384
 Ion Ratio Lower Upper
 74 100
 45 85.6 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.751 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

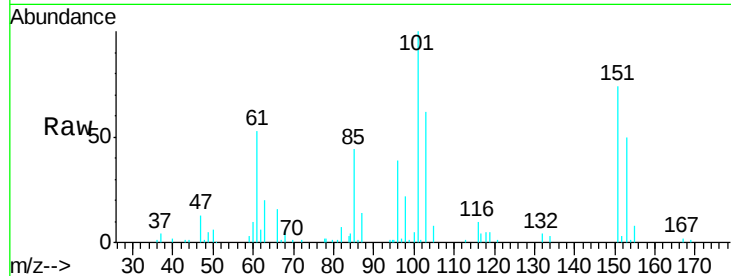
Tgt Ion:101 Resp: 101864

Ion Ratio Lower Upper

101 100

85 42.8 35.3 52.9

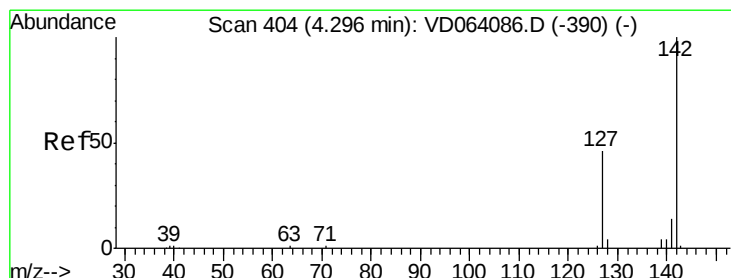
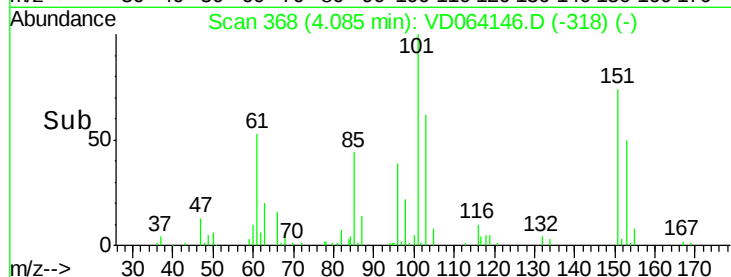
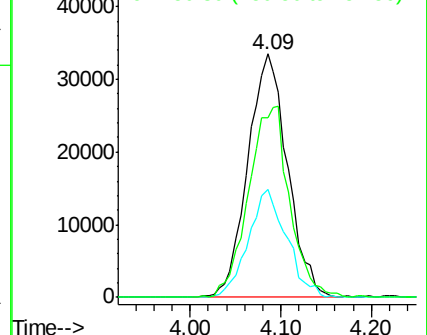
151 81.4 67.0 100.6



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: 49.578 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

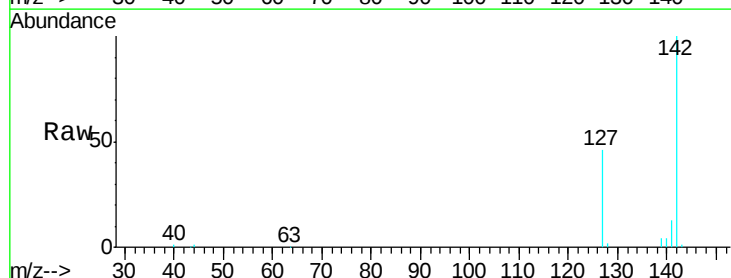
Tgt Ion:142 Resp: 125766

Ion Ratio Lower Upper

142 100

127 44.3 35.1 52.7

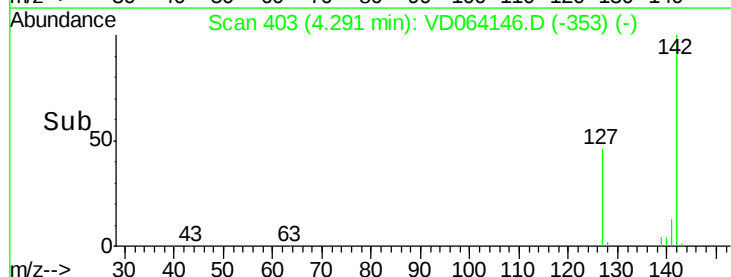
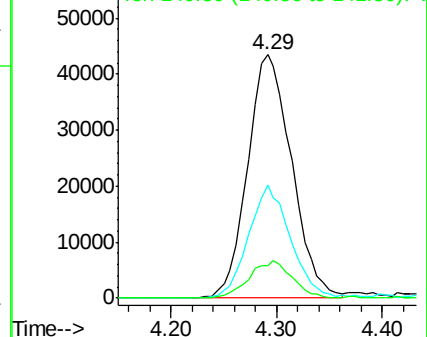
141 14.9 11.6 17.4

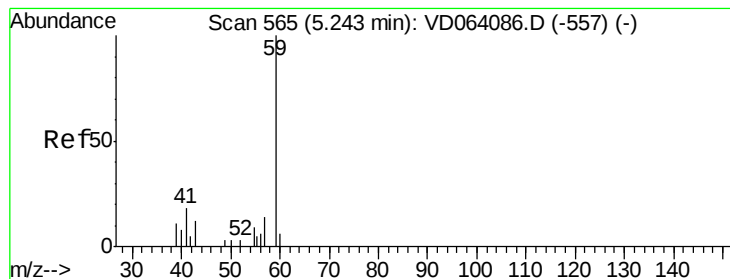


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



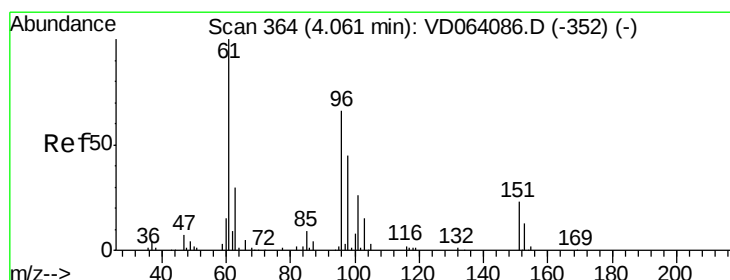
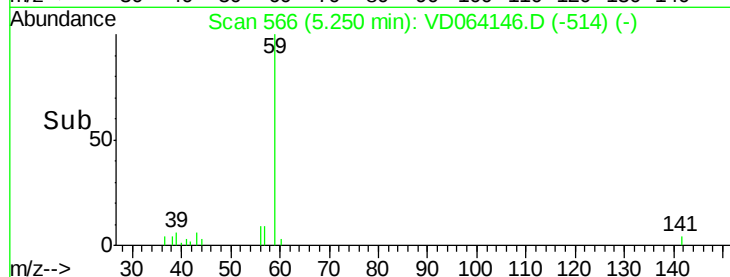
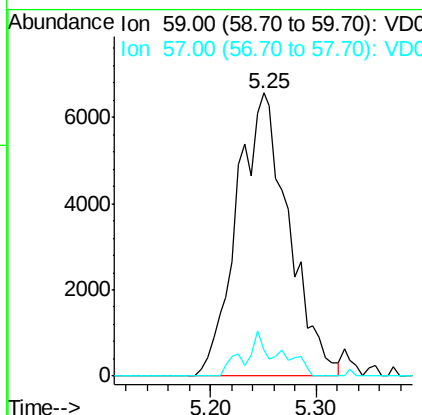
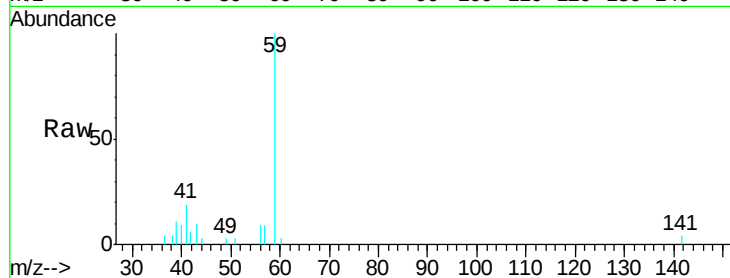


#11

Tert butyl alcohol
Concen: 219.233 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

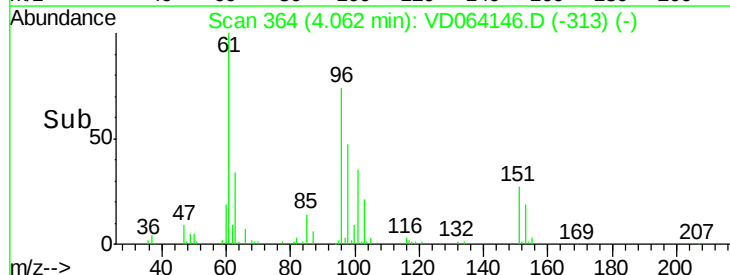
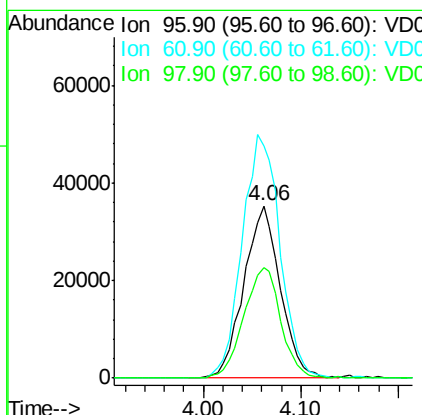
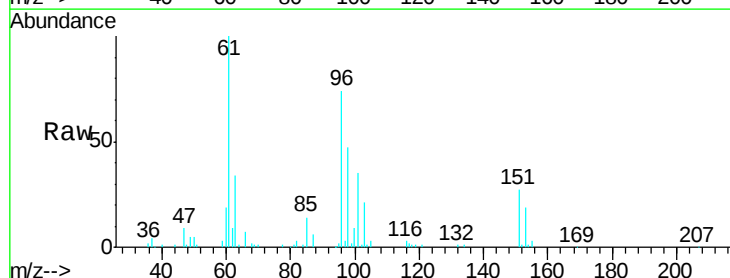
Tgt Ion: 59 Resp: 22332
Ion Ratio Lower Upper
59 100
57 6.3 8.7 13.1#

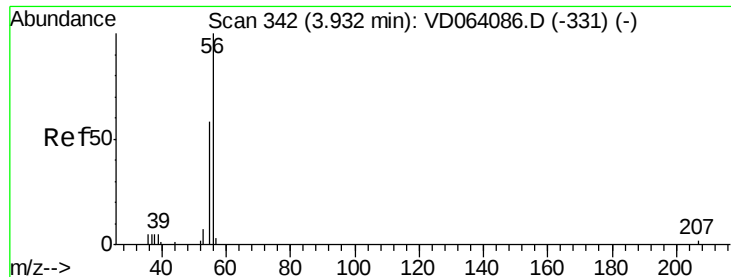


#12

1,1-Dichloroethene
Concen: 47.425 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion: 96 Resp: 91899
Ion Ratio Lower Upper
96 100
61 134.9 121.8 182.6
98 63.9 55.4 83.0





#13

Acrolein

Concen: 212.746 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

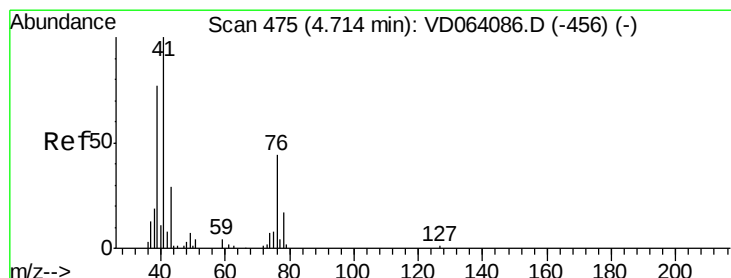
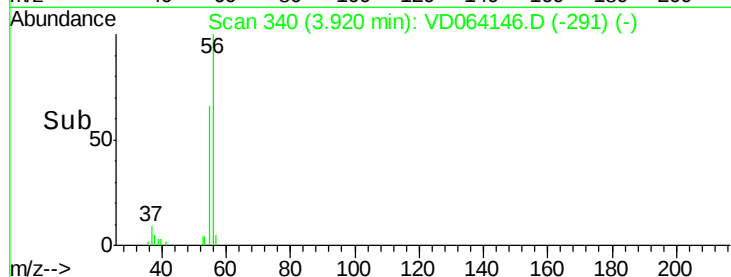
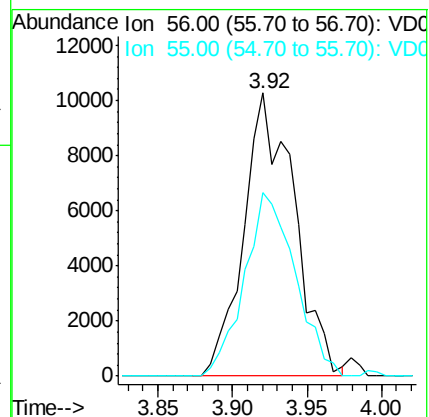
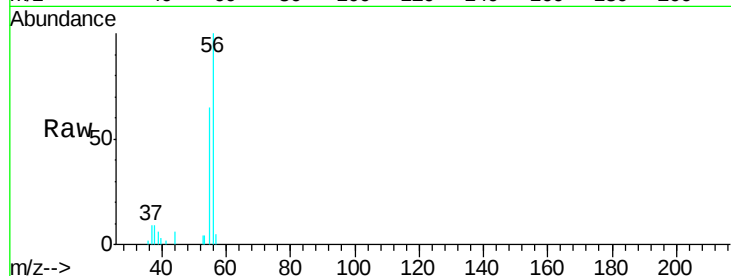
VSTDCCC050

Tgt Ion: 56 Resp: 24100

Ion Ratio Lower Upper

56 100

55 65.2 53.8 80.6



#14

Allyl chloride

Concen: 50.525 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

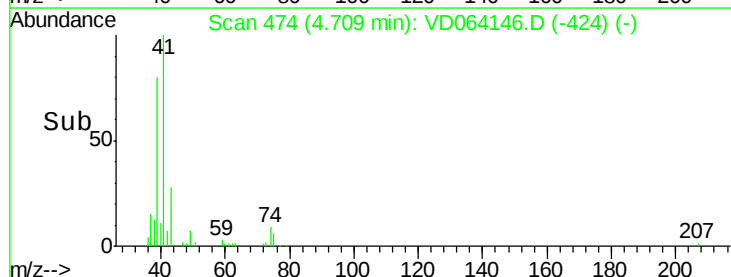
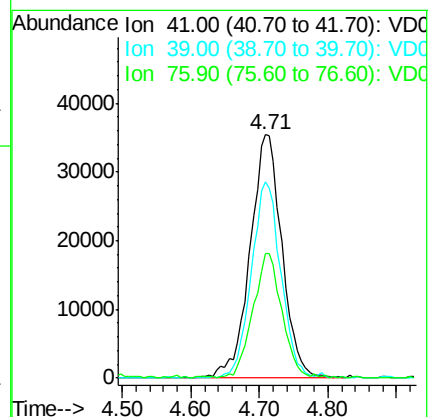
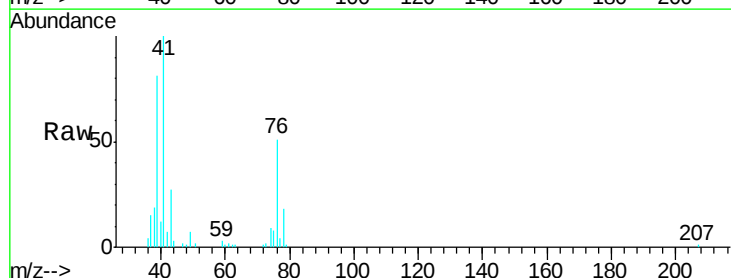
Tgt Ion: 41 Resp: 114594

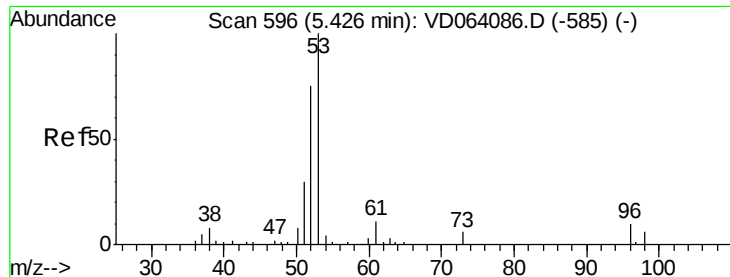
Ion Ratio Lower Upper

41 100

39 74.7 61.5 92.3

76 46.8 36.2 54.4





#15

Acrylonitrile

Concen: 238.255 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

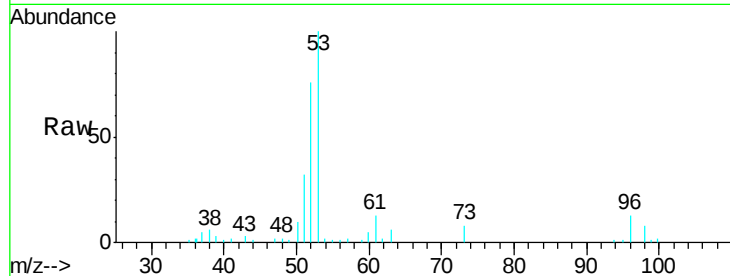
Tgt Ion: 53 Resp: 86914

Ion Ratio Lower Upper

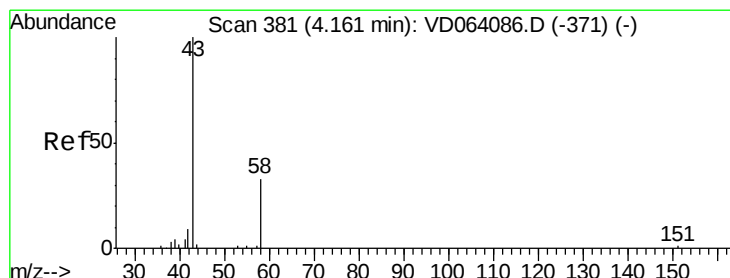
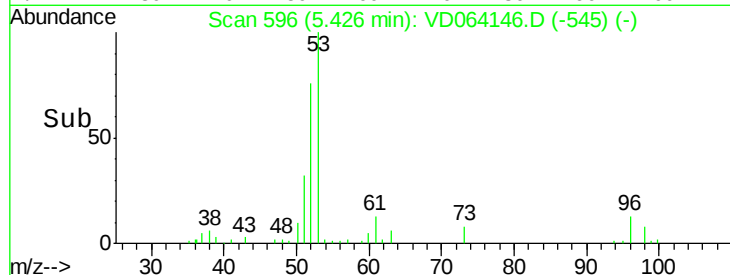
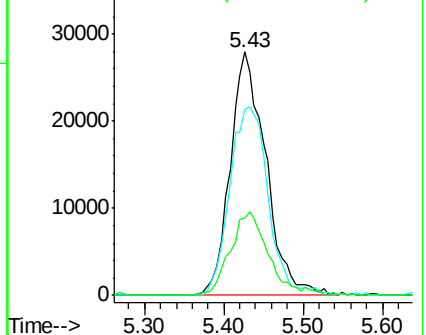
53 100

52 83.5 66.2 99.4

51 35.8 29.0 43.6



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: 297.306 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD064146.D

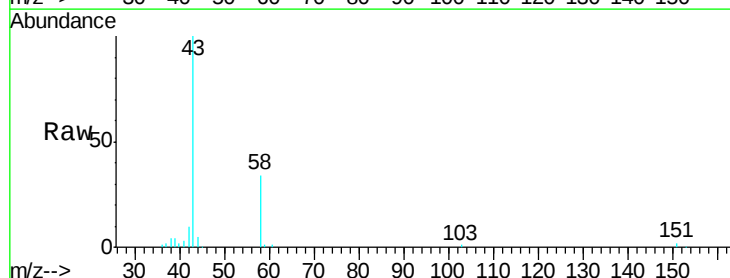
Acq: 01 Nov 2019 11:45

Tgt Ion: 43 Resp: 100500

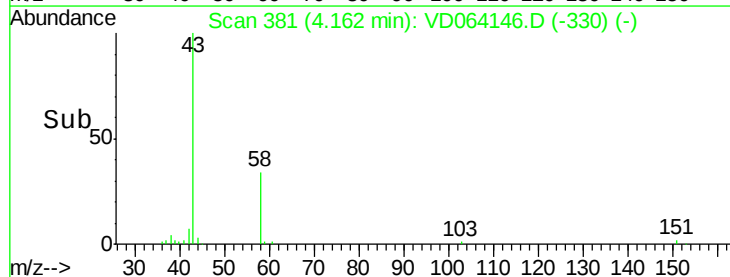
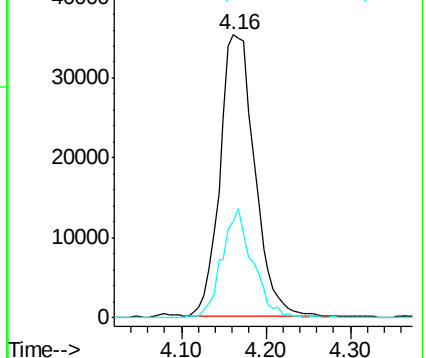
Ion Ratio Lower Upper

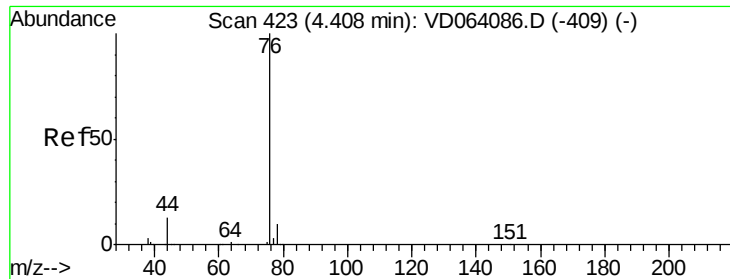
43 100

58 34.1 26.3 39.5



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

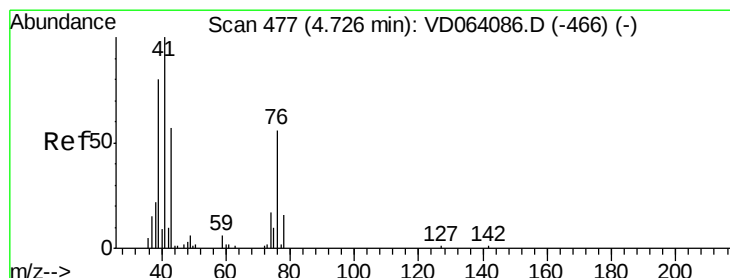
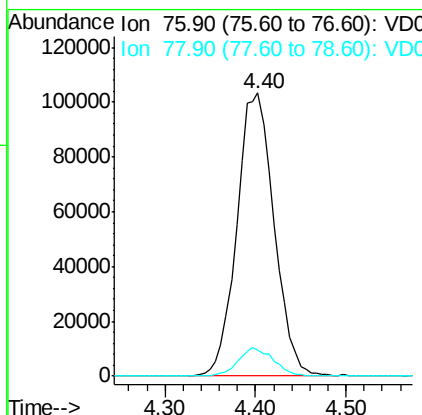
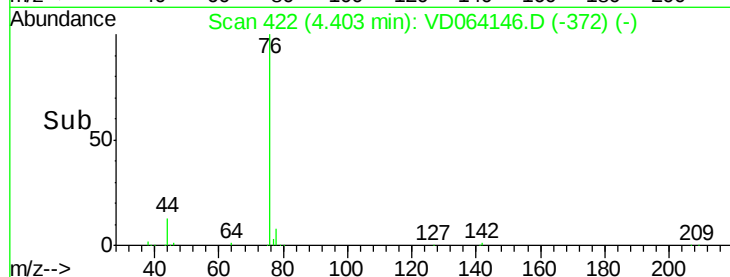
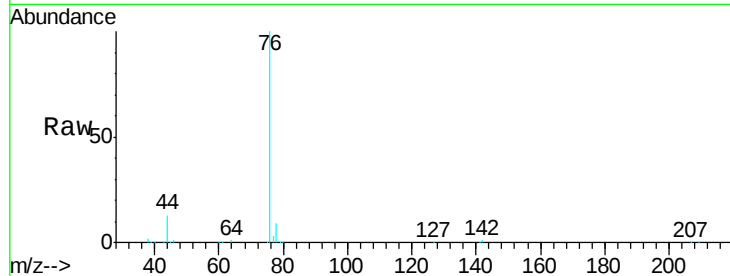




#17
Carbon Disulfide
Concen: 49.404 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

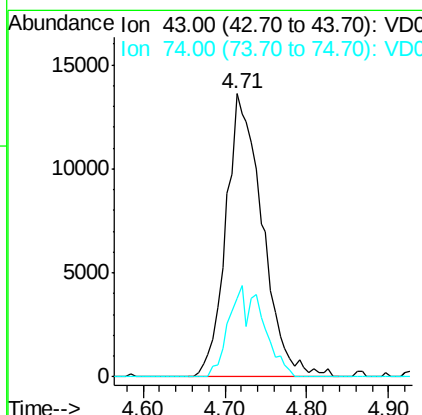
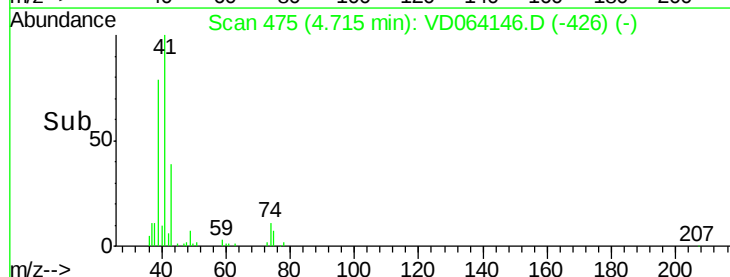
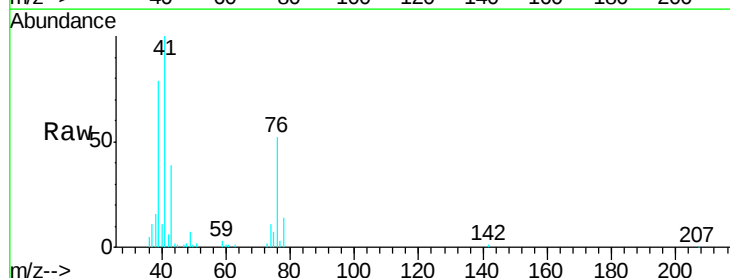
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

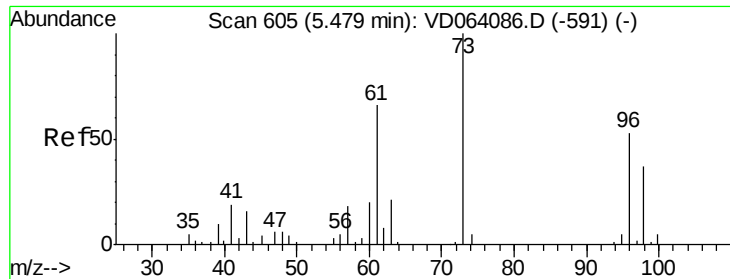
Tgt Ion: 76 Resp: 294198
Ion Ratio Lower Upper
76 100
78 9.0 8.1 12.1



#18
Methyl Acetate
Concen: 46.947 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion: 43 Resp: 42213
Ion Ratio Lower Upper
43 100
74 15.7 22.2 33.4#

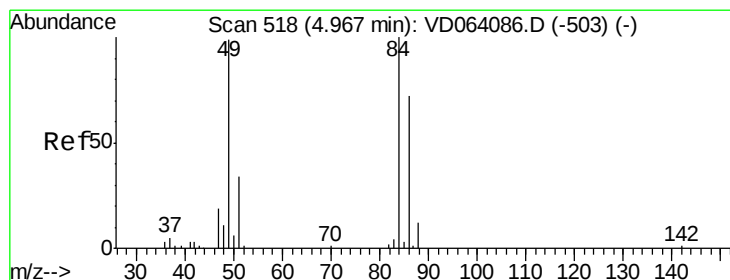
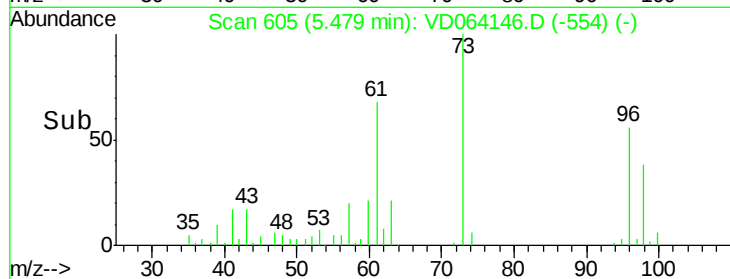
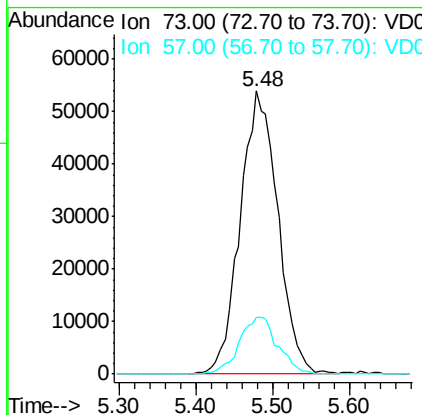
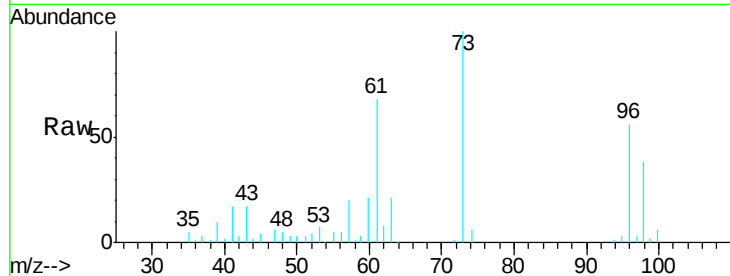




#19
Methyl tert-butyl Ether
Concen: 46.898 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

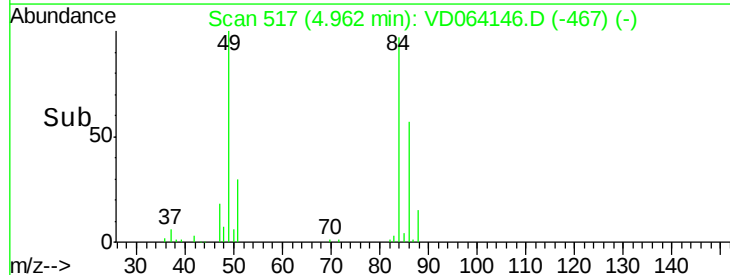
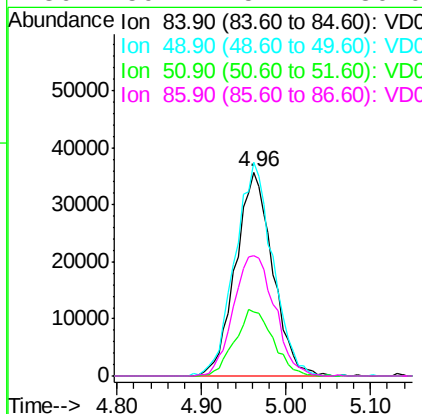
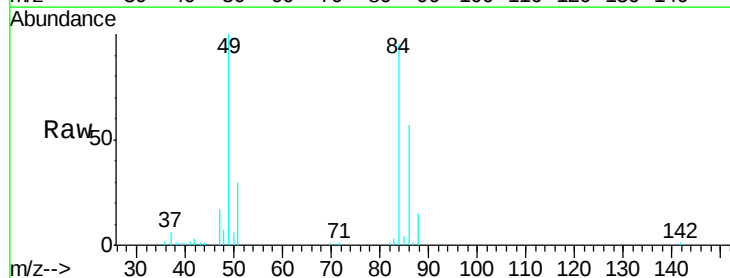
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

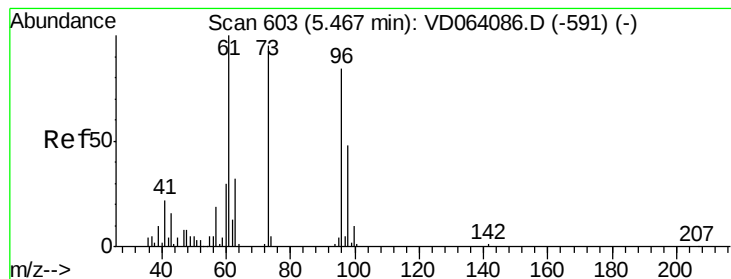
Tgt Ion: 73 Resp: 184408
Ion Ratio Lower Upper
73 100
57 20.0 14.3 21.5



#20
Methylene Chloride
Concen: 50.386 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion: 84 Resp: 108736
Ion Ratio Lower Upper
84 100
49 104.9 79.4 119.0
51 31.2 27.4 41.2
86 59.4 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 49.712 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

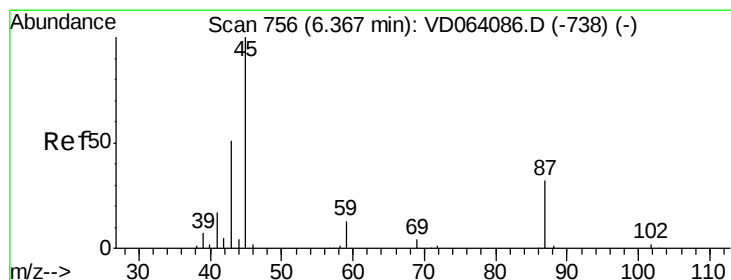
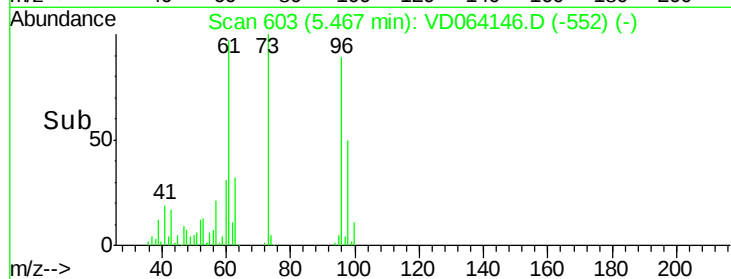
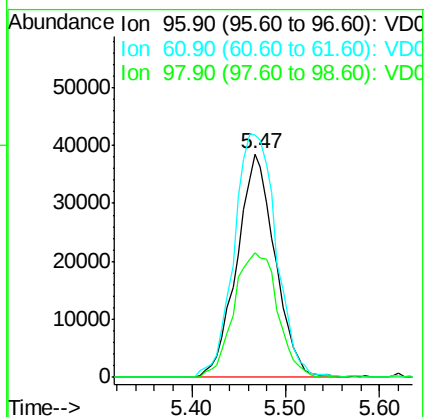
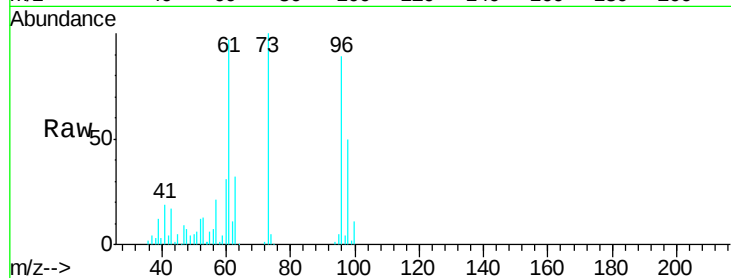
Tgt Ion: 96 Resp: 108137

Ion Ratio Lower Upper

96 100

61 108.3 95.0 142.6

98 55.6 45.8 68.8



#22

Diisopropyl ether

Concen: 49.528 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Tgt Ion: 45 Resp: 248778

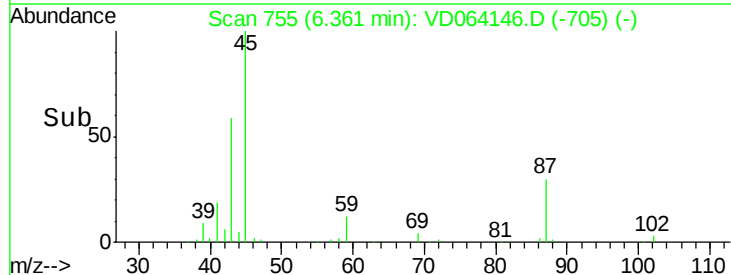
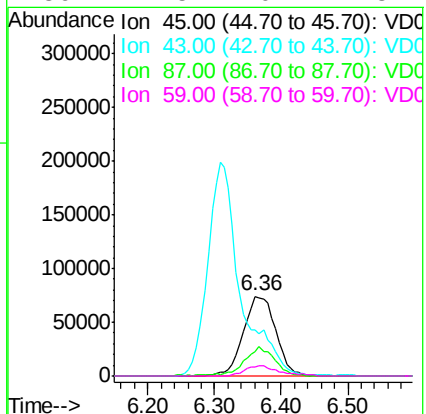
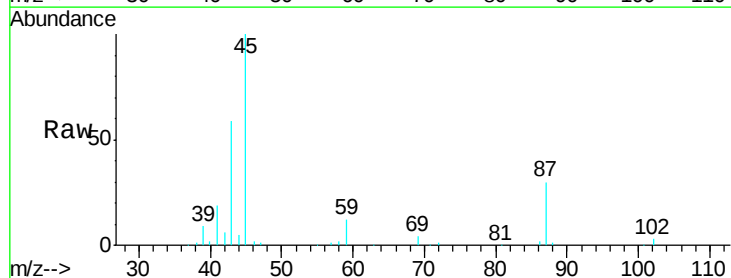
Ion Ratio Lower Upper

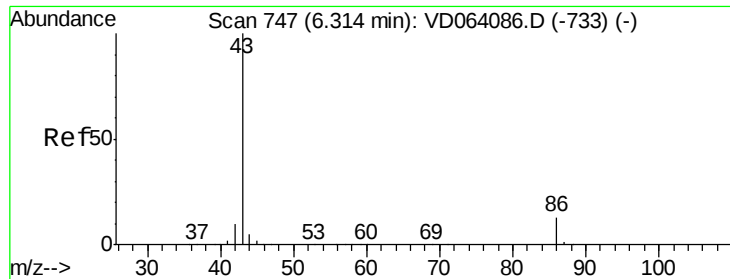
45 100

43 57.1 44.3 66.5

87 30.4 26.6 39.8

59 11.5 10.2 15.2





#23

Vinyl Acetate

Concen: 246.313 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

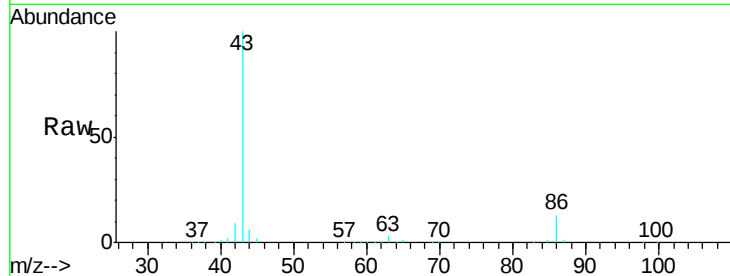
VSTDCCC050

Tgt Ion: 43 Resp: 678184

Ion Ratio Lower Upper

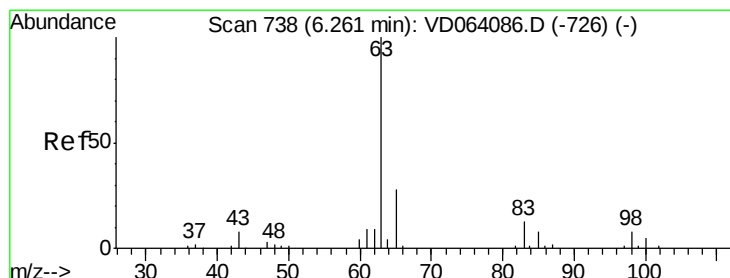
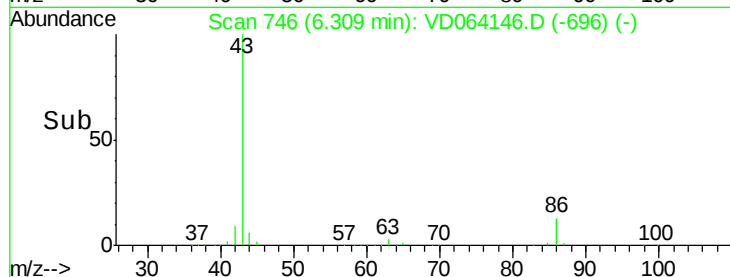
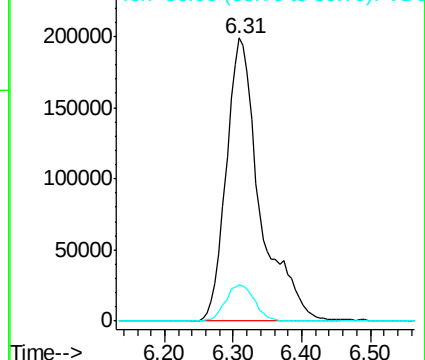
43 100

86 12.8 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.307 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

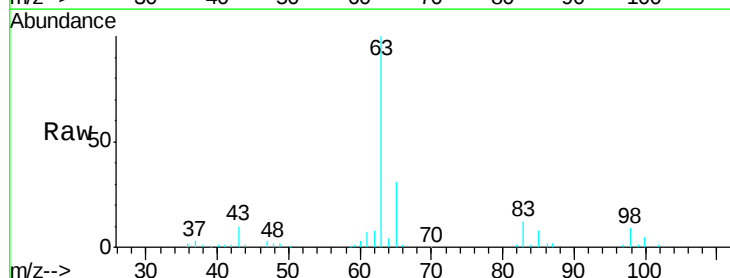
Tgt Ion: 63 Resp: 167246

Ion Ratio Lower Upper

63 100

98 9.4 4.0 11.9

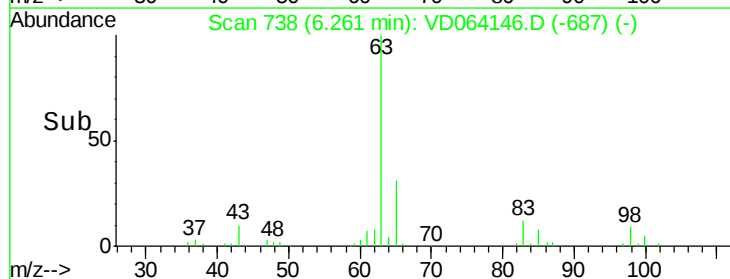
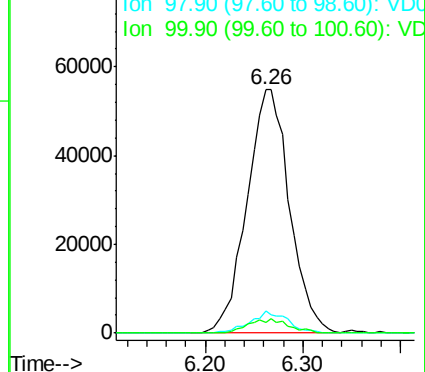
100 4.5 2.6 7.8

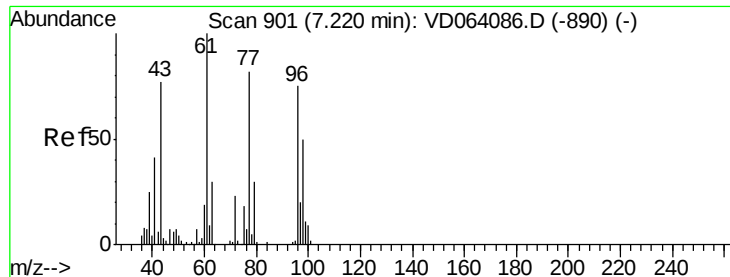


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 249.096 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

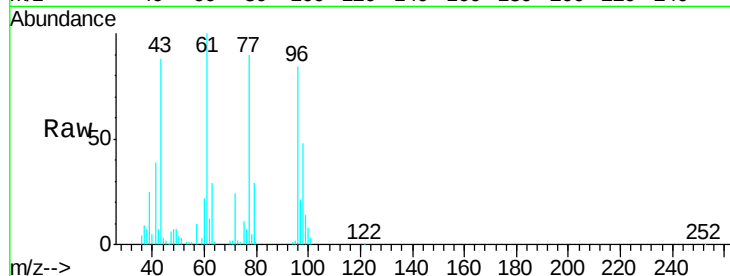
VSTDCCC050

Tgt Ion: 43 Resp: 116408

Ion Ratio Lower Upper

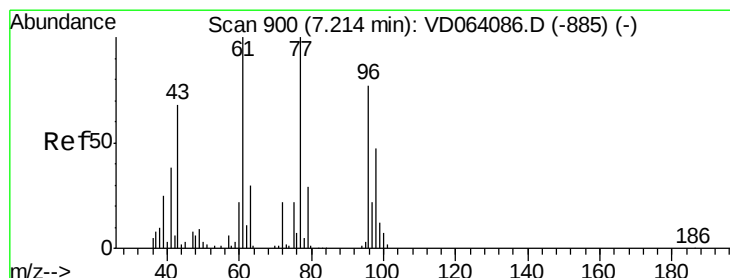
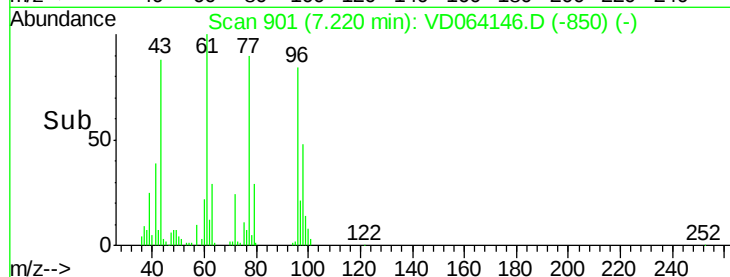
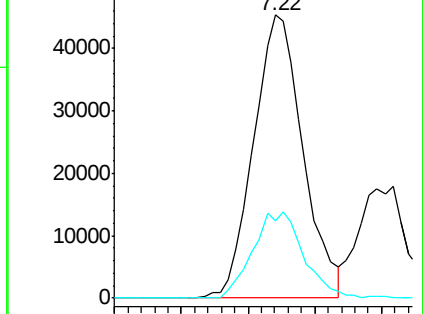
43 100

72 27.4 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.770 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064146.D

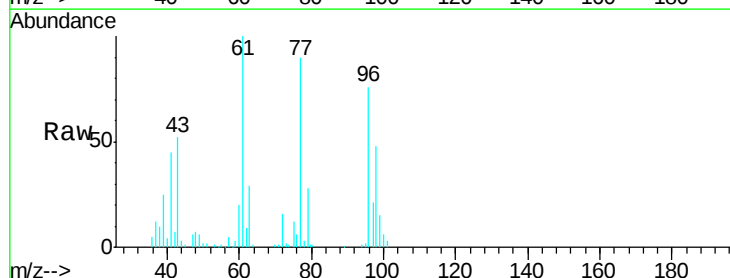
Acq: 01 Nov 2019 11:45

Tgt Ion: 77 Resp: 157007

Ion Ratio Lower Upper

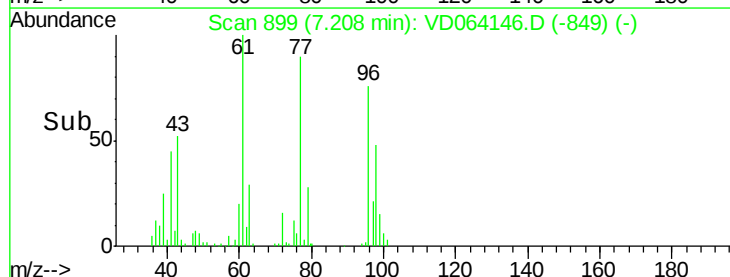
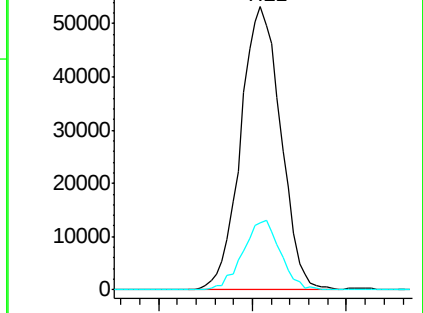
77 100

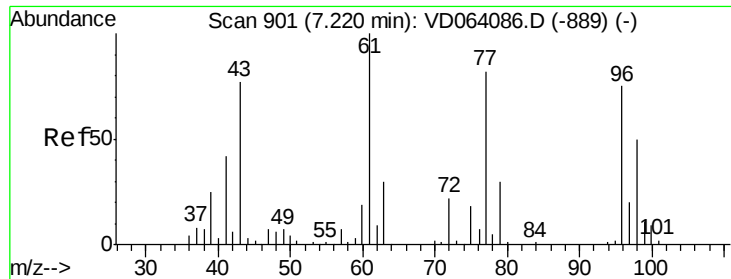
97 23.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



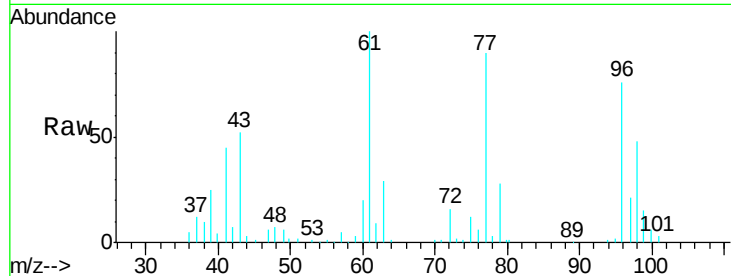


#27

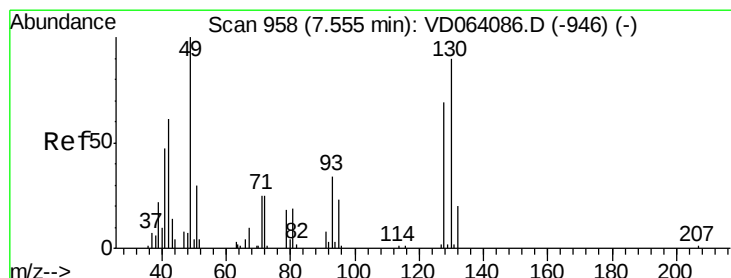
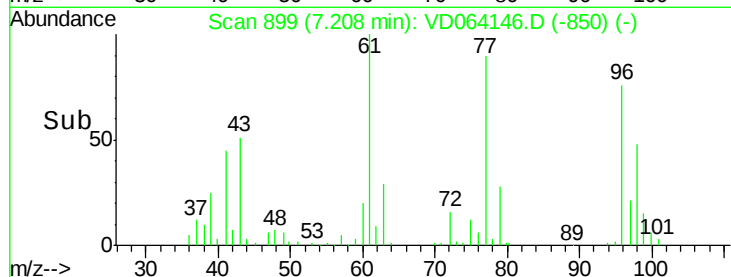
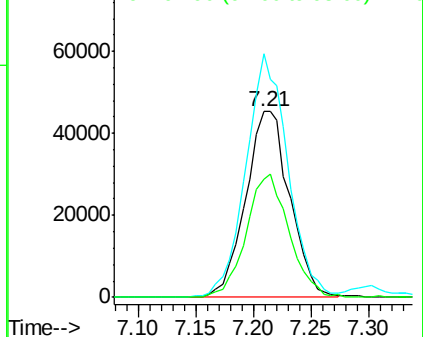
cis-1,2-Dichloroethene
Concen: 49.500 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 120485
Ion Ratio Lower Upper
96 100
61 124.8 0.0 258.0
98 64.2 0.0 130.8



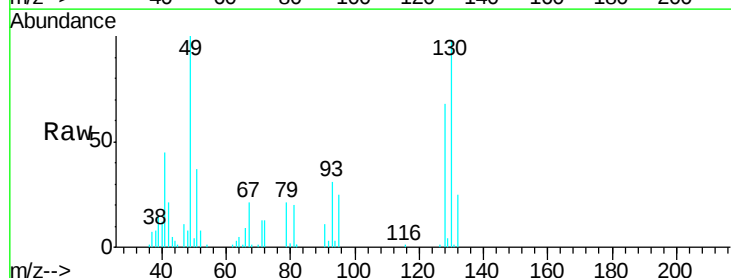
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



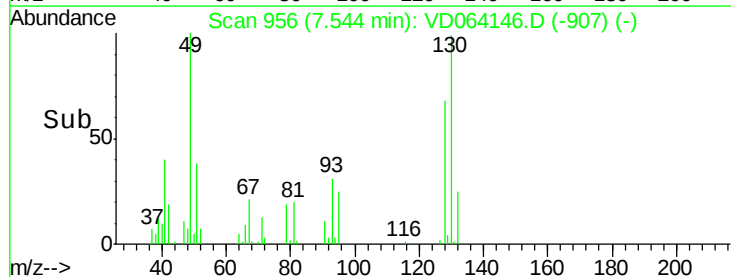
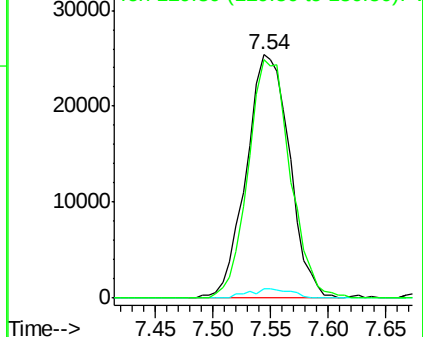
#28

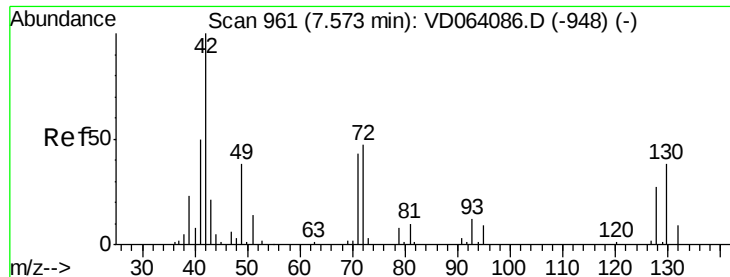
Bromochloromethane
Concen: 50.091 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion: 49 Resp: 66233
Ion Ratio Lower Upper
49 100
129 3.8 0.0 5.4
130 95.6 75.3 112.9



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





#29

Tetrahydrofuran

Concen: 235.237 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

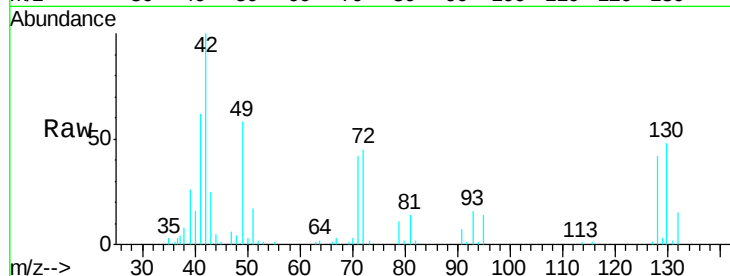
Tgt Ion: 42 Resp: 64158

Ion Ratio Lower Upper

42 100

72 49.6 38.9 58.3

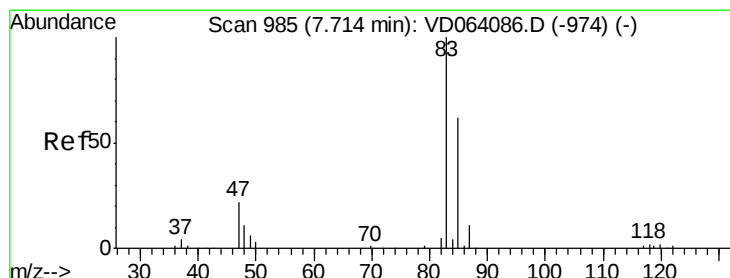
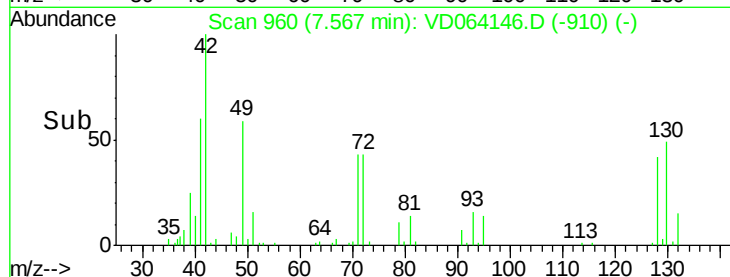
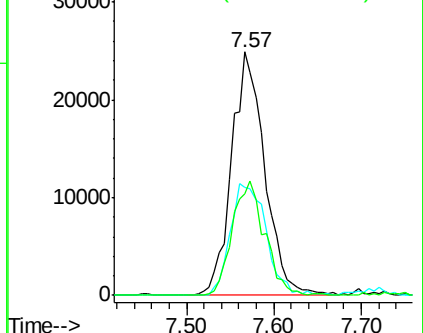
71 45.4 35.4 53.2



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 50.637 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064146.D

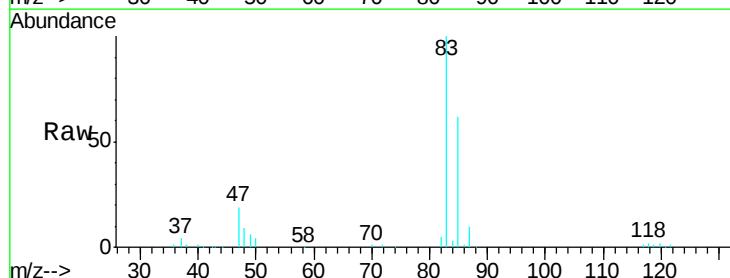
Acq: 01 Nov 2019 11:45

Tgt Ion: 83 Resp: 196539

Ion Ratio Lower Upper

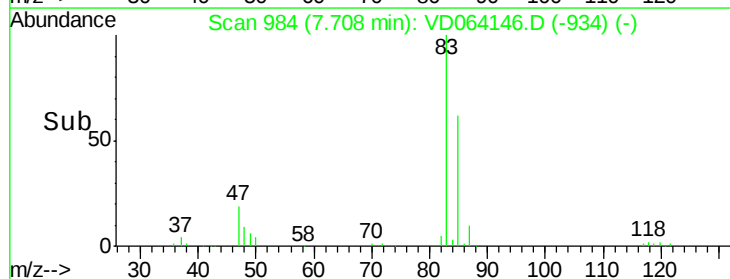
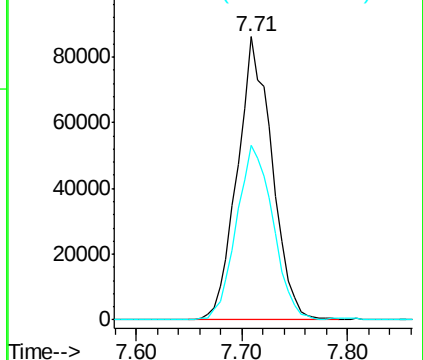
83 100

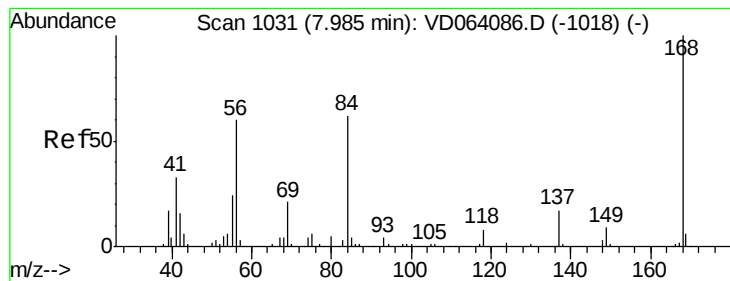
85 61.9 49.8 74.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 46.209 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

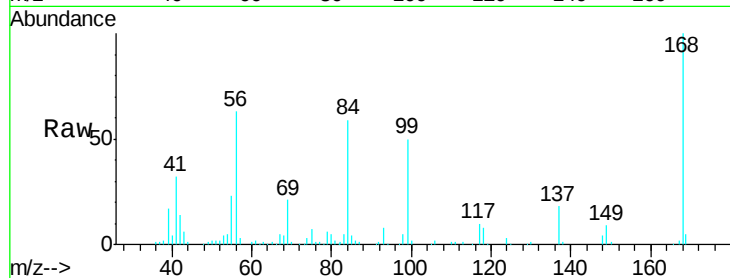
Tgt Ion: 56 Resp: 152699

Ion Ratio Lower Upper

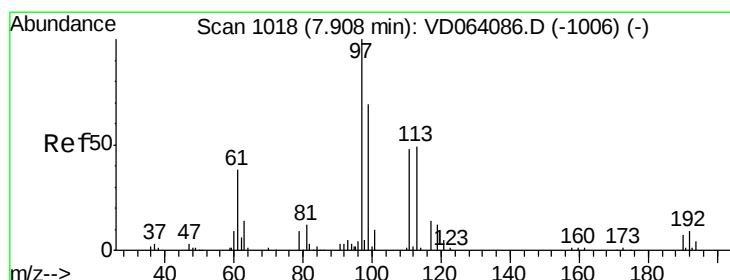
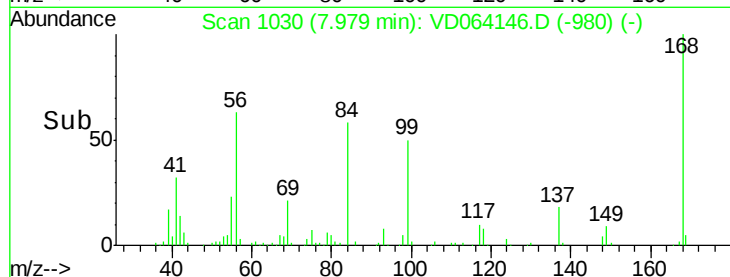
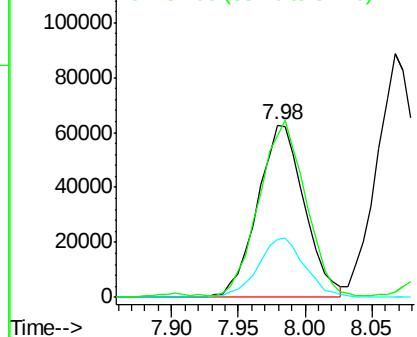
56 100

69 33.6 27.7 41.5

84 93.3 83.1 124.7



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 50.349 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

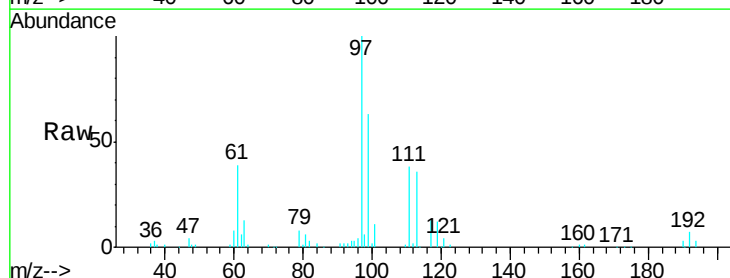
Tgt Ion: 97 Resp: 181909

Ion Ratio Lower Upper

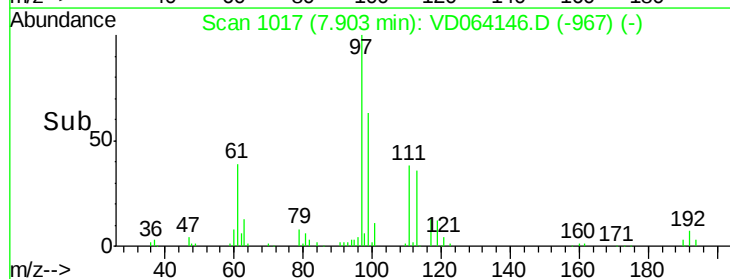
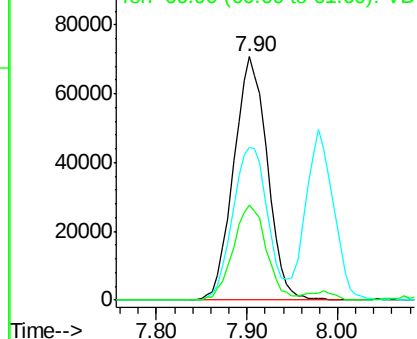
97 100

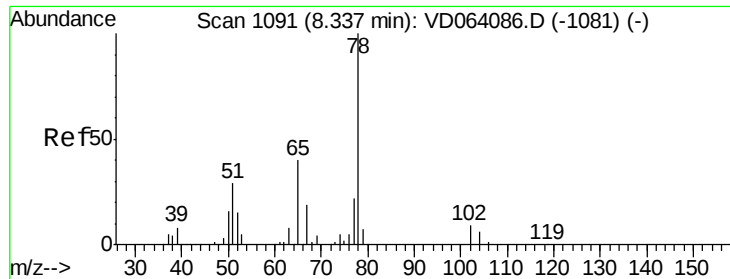
99 65.5 53.7 80.5

61 38.8 31.8 47.6



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

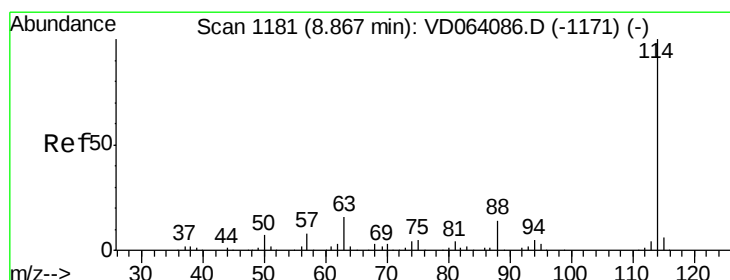
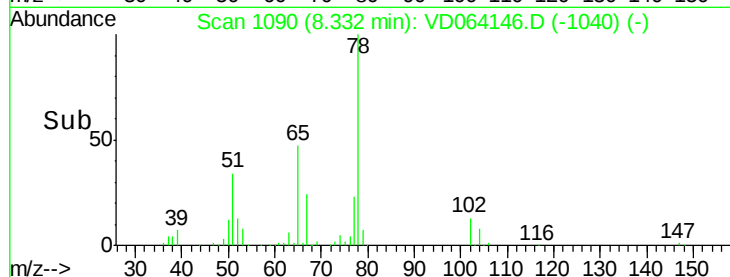
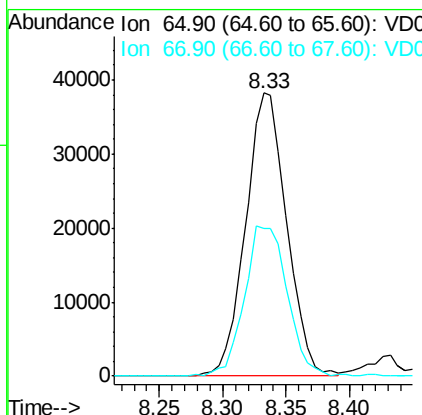
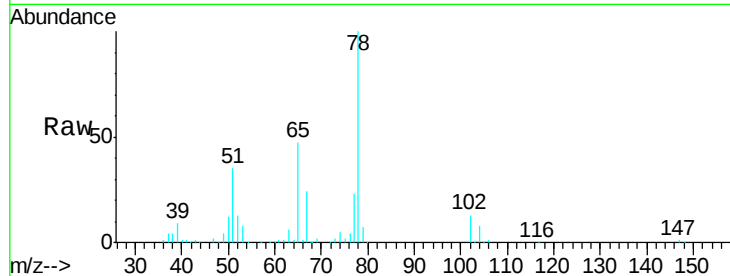




#33
 1,2-Dichloroethane-d4
 Concen: 48.469 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

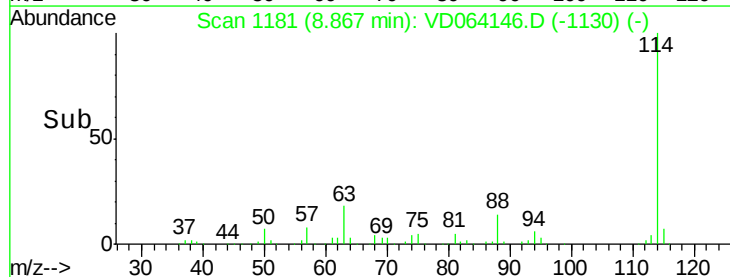
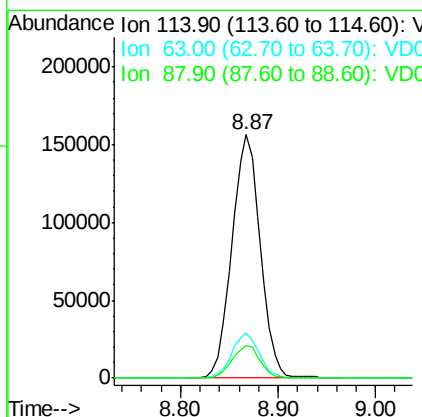
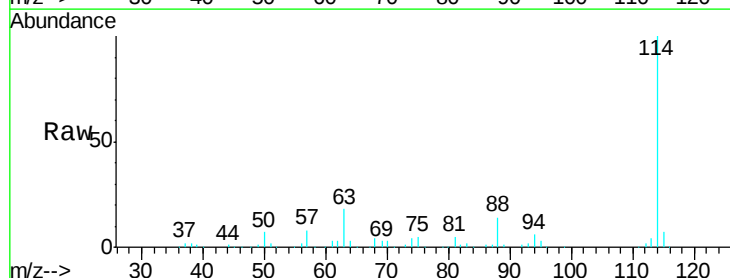
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

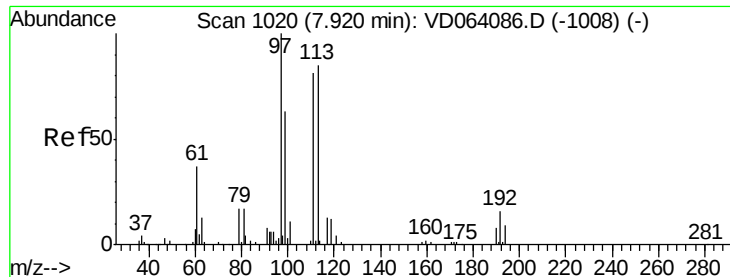
Tgt Ion: 65 Resp: 86112
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion: 114 Resp: 315022
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 32.8
 88 13.5 0.0 27.6

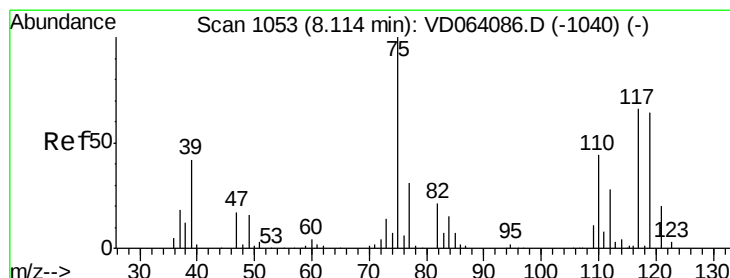
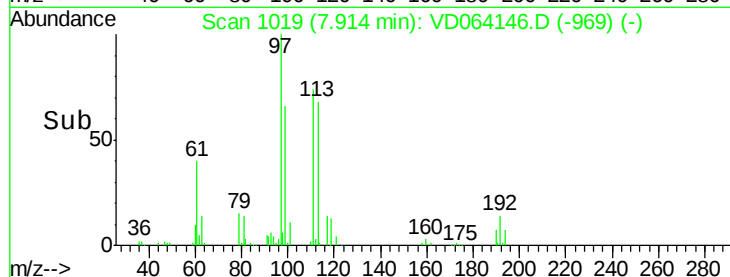
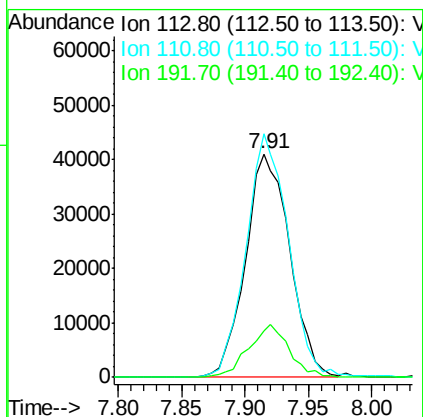
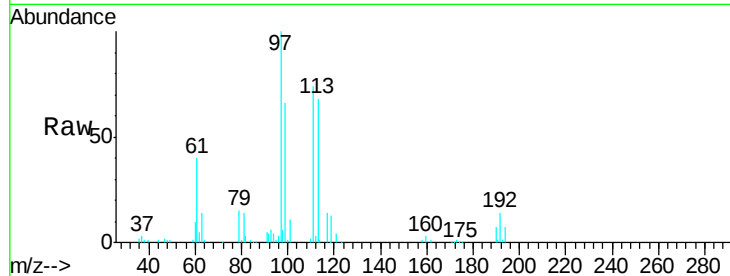




#35
 Dibromofluoromethane
 Concen: 51.505 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

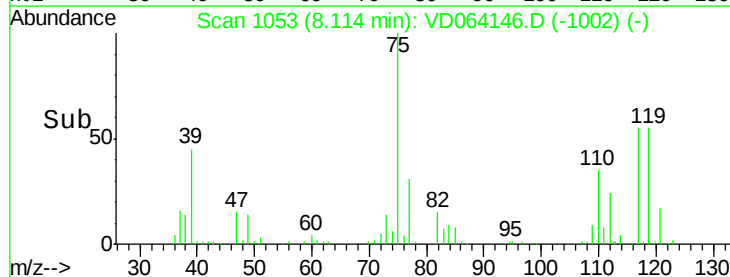
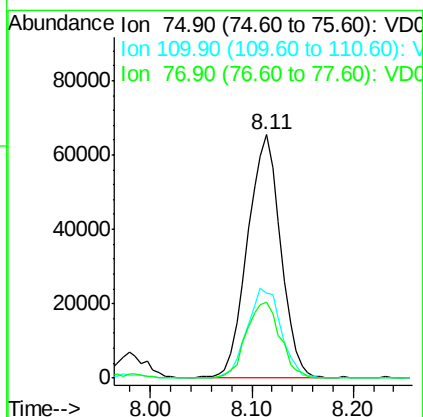
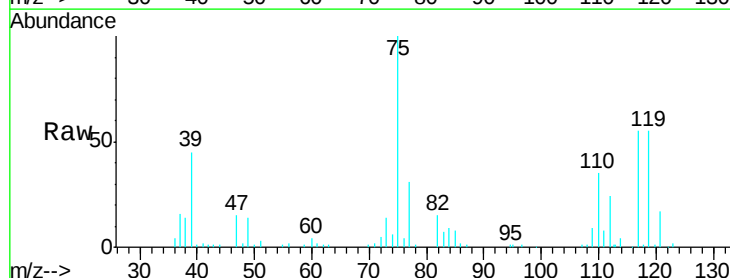
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

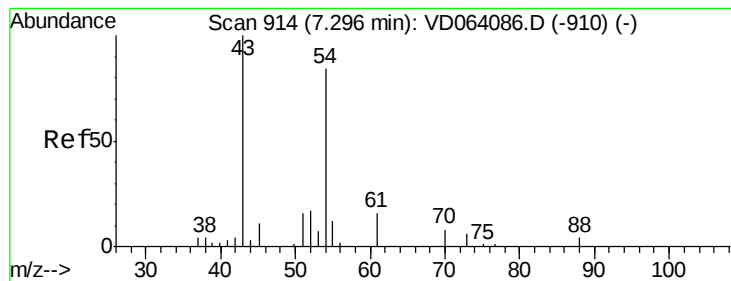
Tgt Ion: 113 Resp: 99822
 Ion Ratio Lower Upper
 113 100
 111 105.0 79.3 118.9
 192 21.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 50.411 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion: 75 Resp: 148807
 Ion Ratio Lower Upper
 75 100
 110 37.7 20.0 59.9
 77 32.0 24.7 37.1





#37

Ethyl Acetate

Concen: 52.025 ug/l

RT: 7.31 min Scan# 916

Delta R.T. 0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

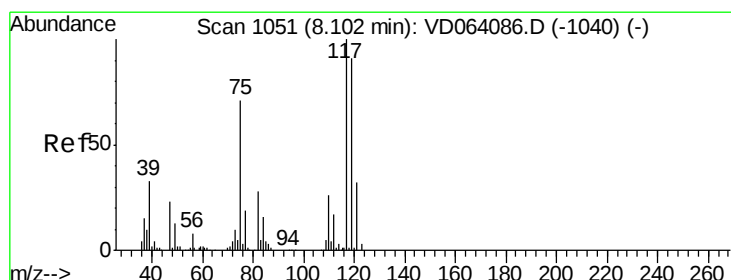
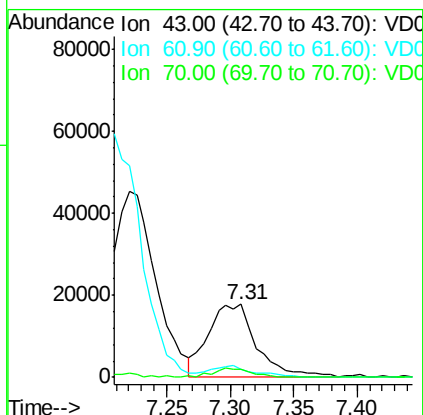
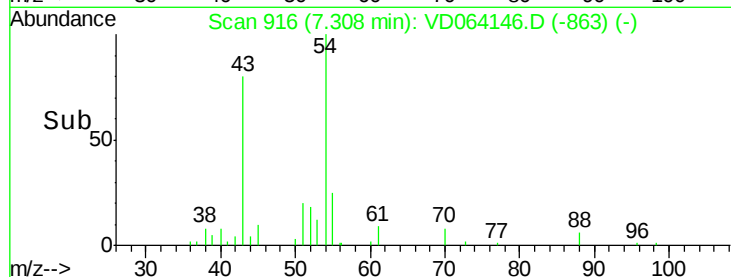
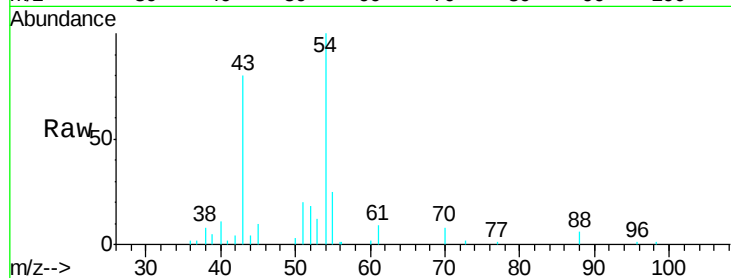
Tgt Ion: 43 Resp: 47269

Ion Ratio Lower Upper

43 100

61 14.0 12.0 18.0

70 10.6 3.8 5.6#



#38

Carbon Tetrachloride

Concen: 53.097 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

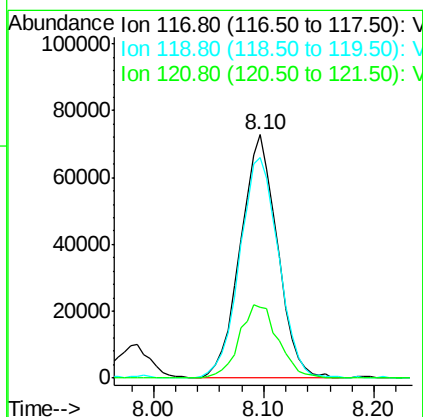
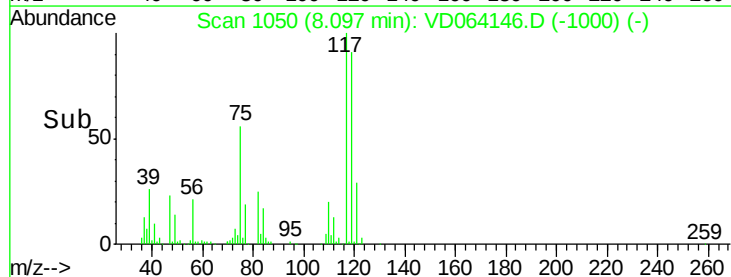
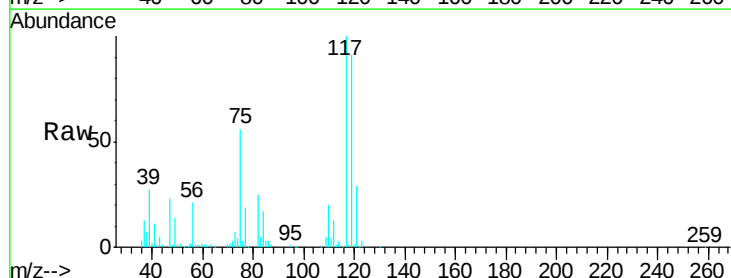
Tgt Ion: 117 Resp: 171007

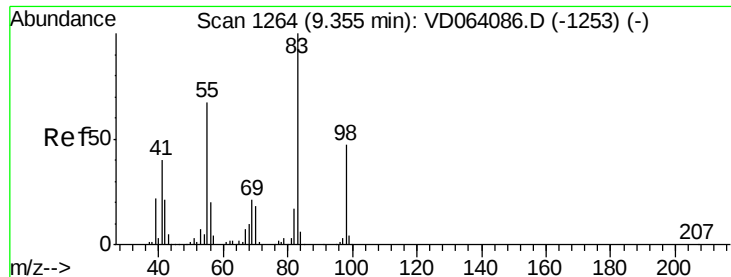
Ion Ratio Lower Upper

117 100

119 90.6 72.6 108.8

121 29.0 25.8 38.6

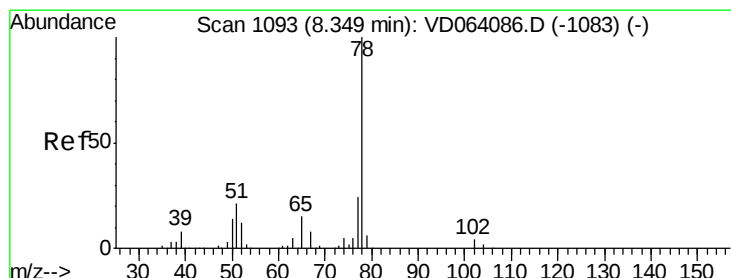
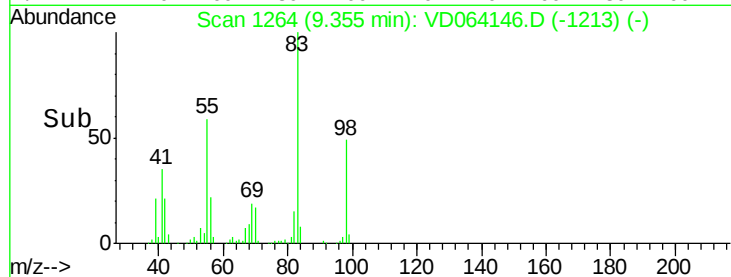
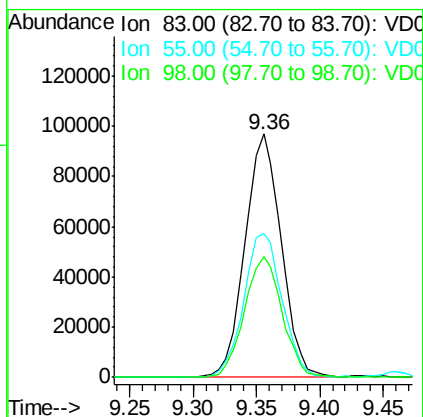
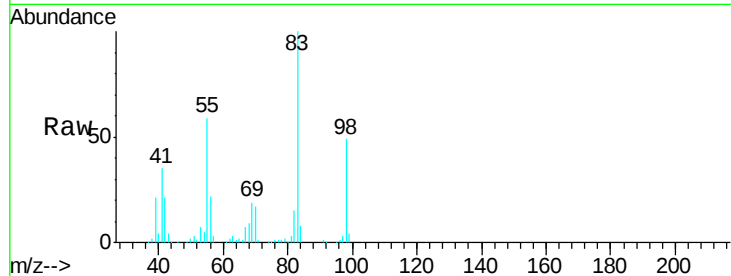




#39
Methylcyclohexane
Concen: 53.356 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

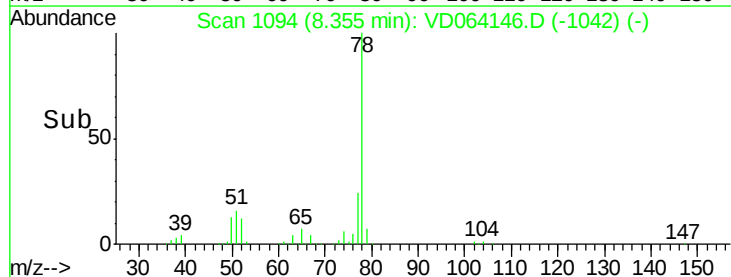
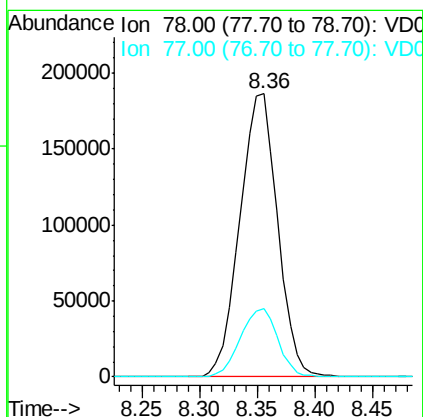
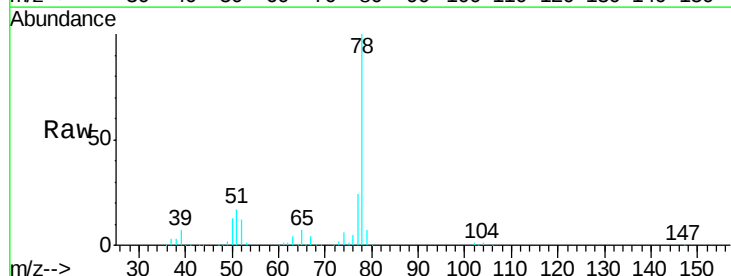
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

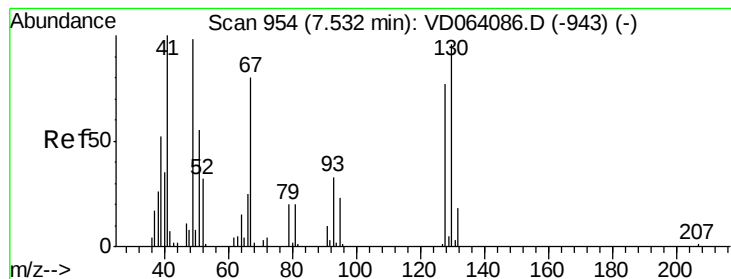
Tgt Ion: 83 Resp: 193338
Ion Ratio Lower Upper
83 100
55 58.9 53.4 80.0
98 49.4 37.8 56.6



#40
Benzene
Concen: 52.794 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion: 78 Resp: 424971
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4





#41

Methacrylonitrile

Concen: 122.681 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 64326

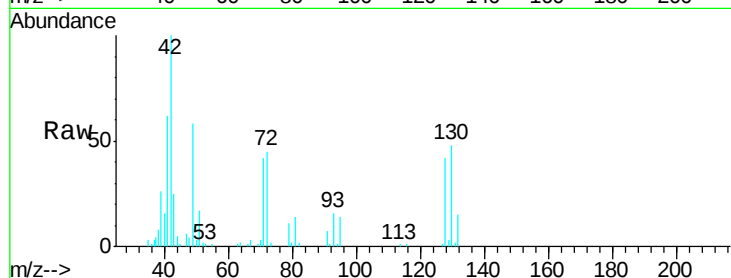
Ion Ratio Lower Upper

41 100

39 28.3 41.0 61.4#

67 0.0 73.4 110.0#

52 0.0 27.3 40.9#

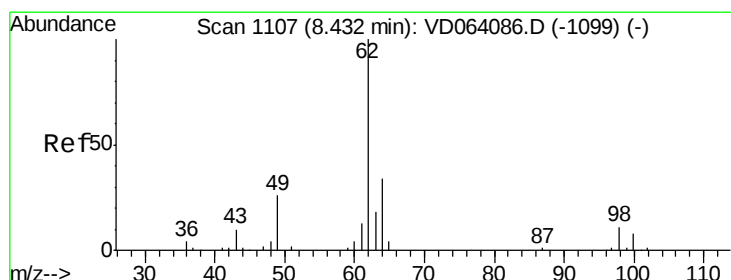
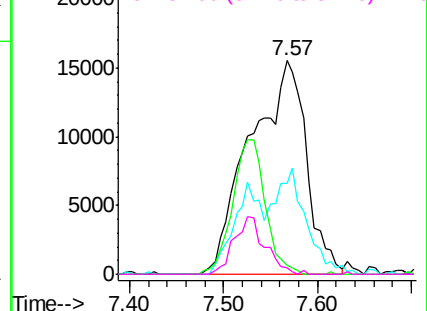
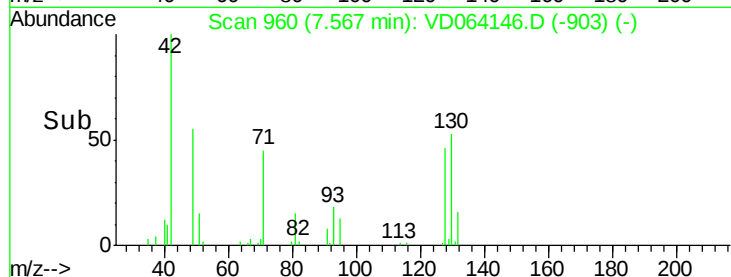


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.858 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064146.D

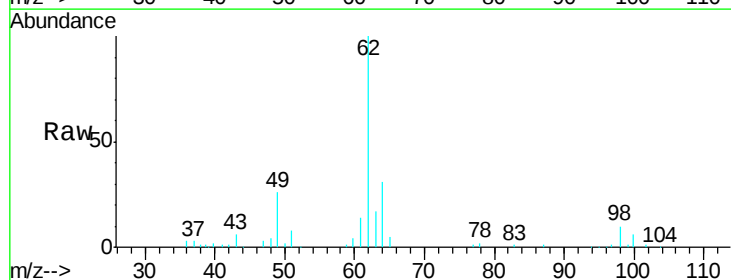
Acq: 01 Nov 2019 11:45

Tgt Ion: 62 Resp: 110266

Ion Ratio Lower Upper

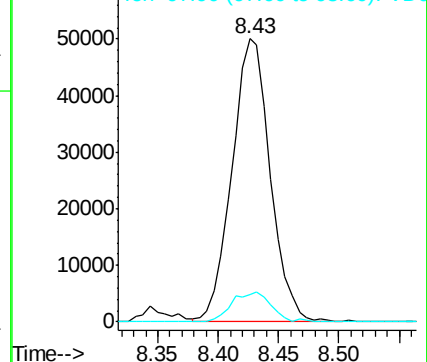
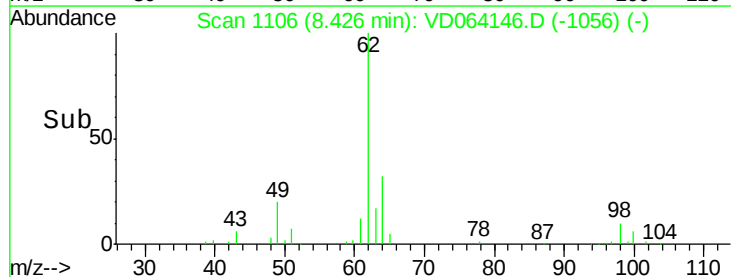
62 100

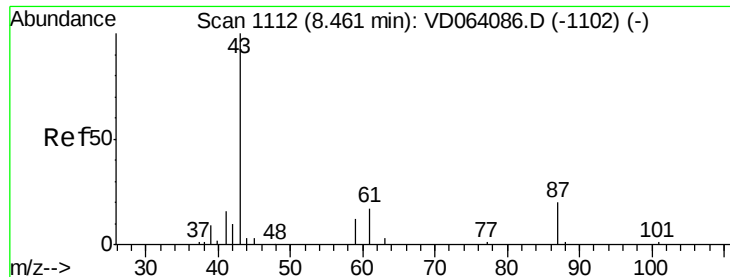
98 11.0 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.487 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

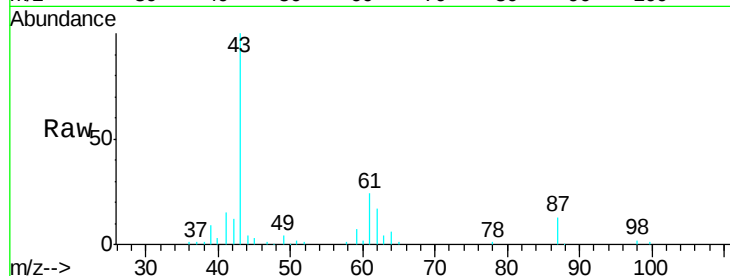
Tgt Ion: 43 Resp: 92705

Ion Ratio Lower Upper

43 100

61 33.9 25.8 38.8

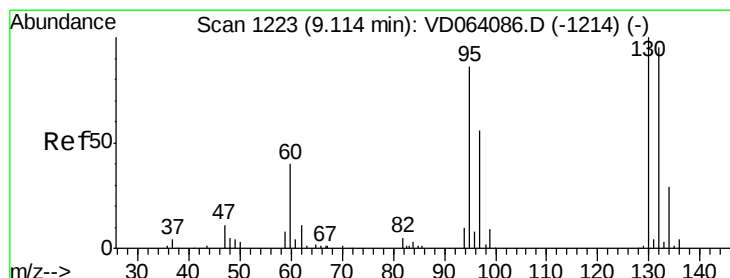
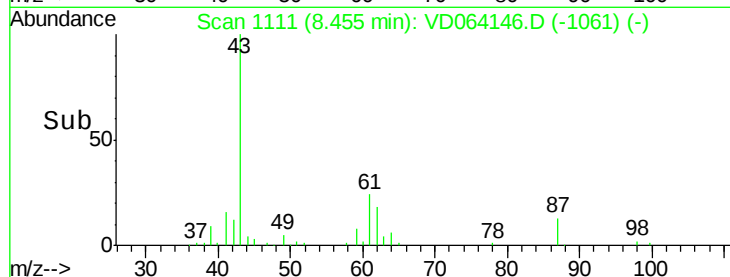
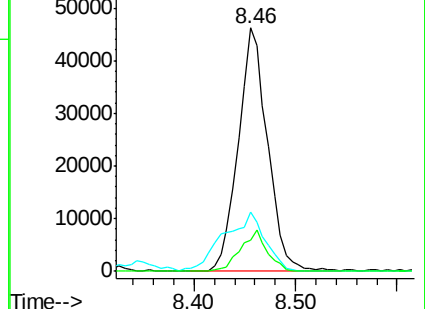
87 15.1 13.0 19.4



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: 52.893 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064146.D

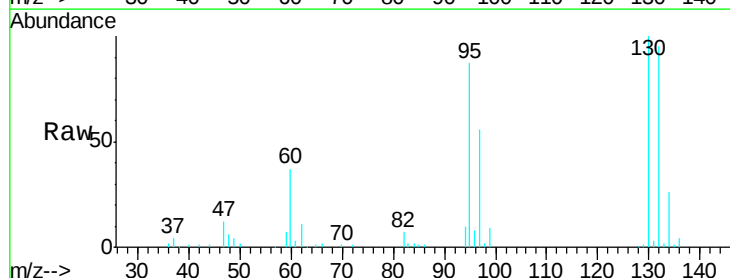
Acq: 01 Nov 2019 11:45

Tgt Ion: 130 Resp: 129045

Ion Ratio Lower Upper

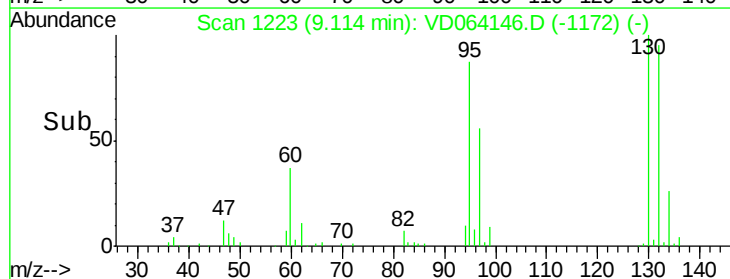
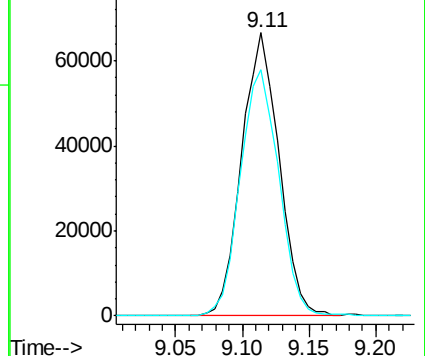
130 100

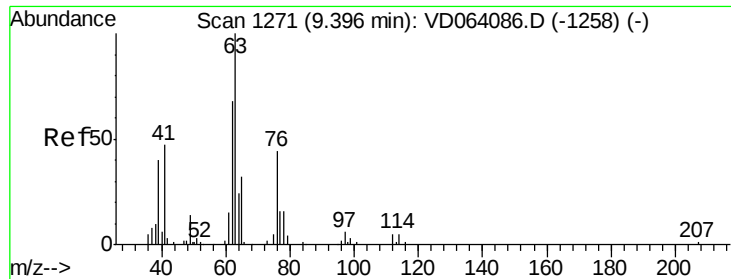
95 87.2 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

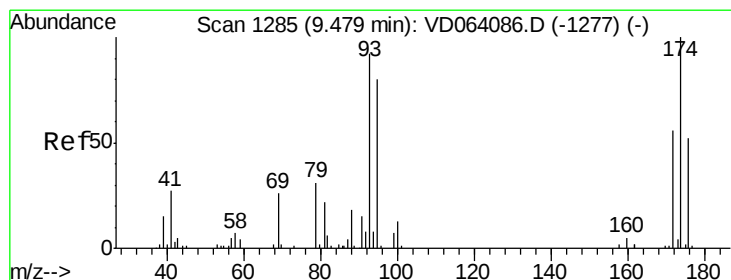
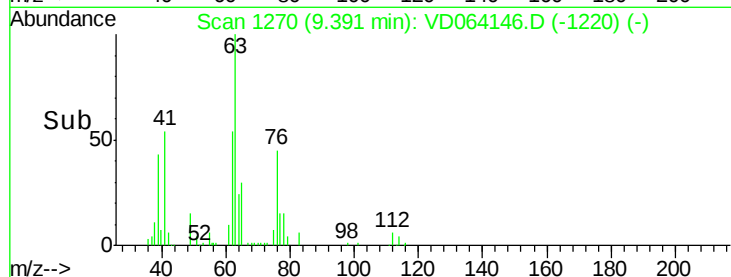
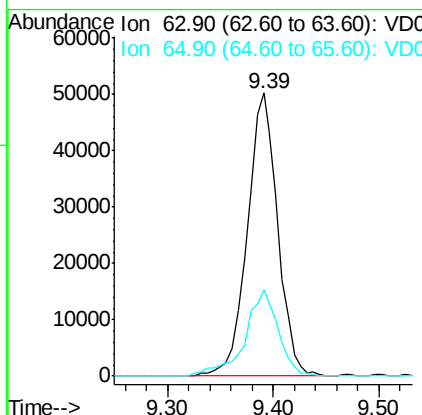
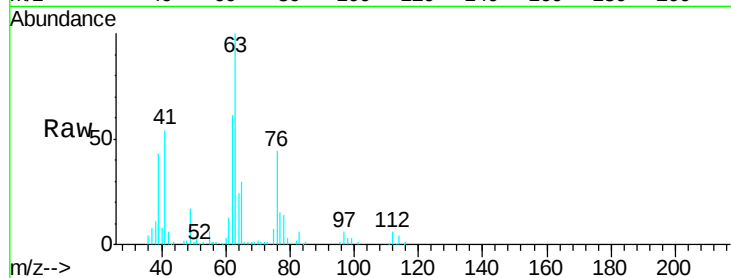




#45
 1,2-Dichloropropane
 Concen: 53.863 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

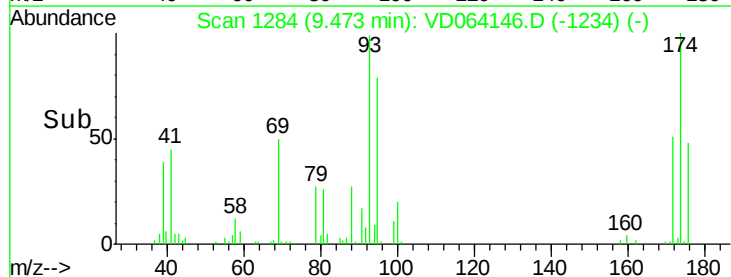
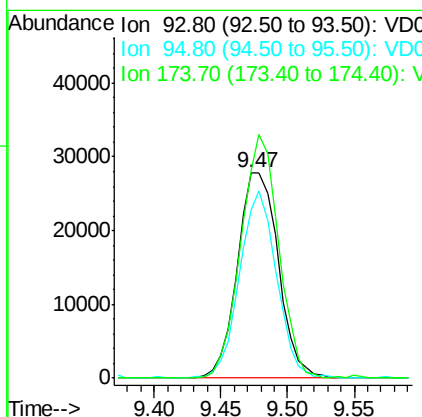
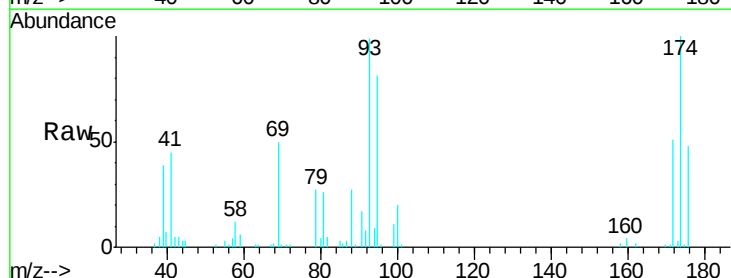
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

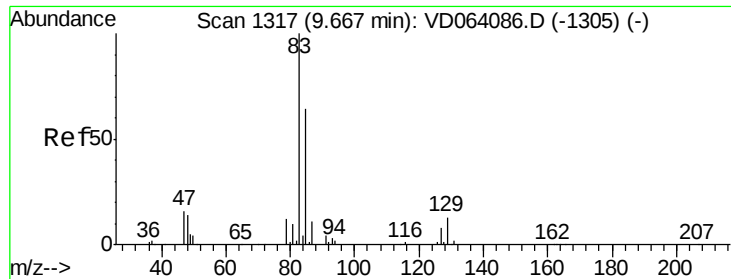
Tgt Ion: 63 Resp: 100481
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.8 38.8



#46
 Dibromomethane
 Concen: 52.695 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion: 93 Resp: 59204
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.4 101.2
 174 108.8 86.4 129.6

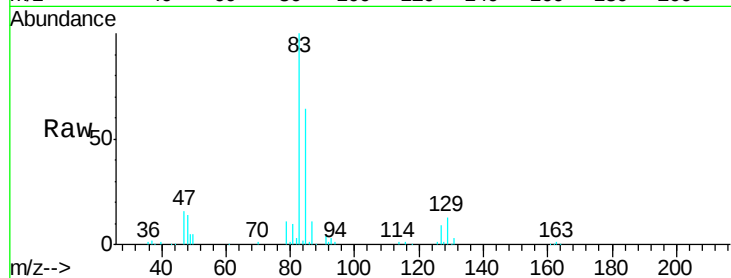




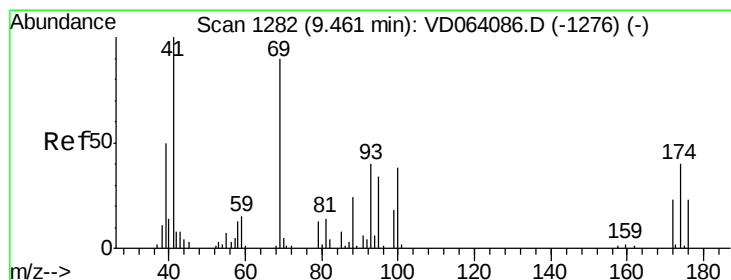
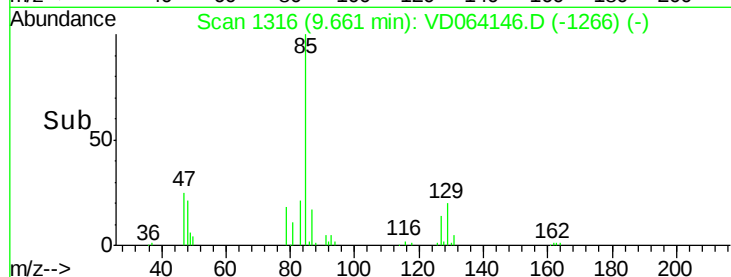
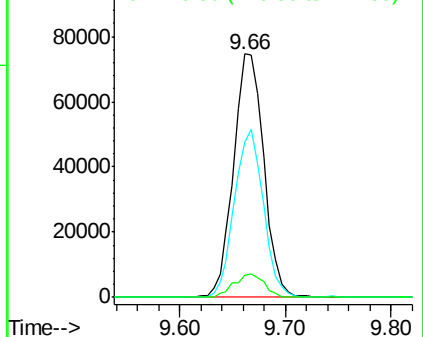
#47
Bromodichloromethane
Concen: 52.311 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 148269
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.0
127 9.0 6.7 10.1

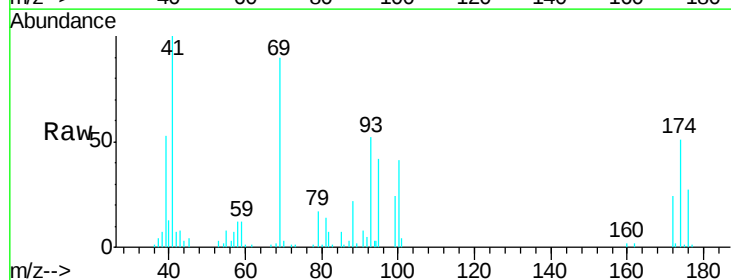


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

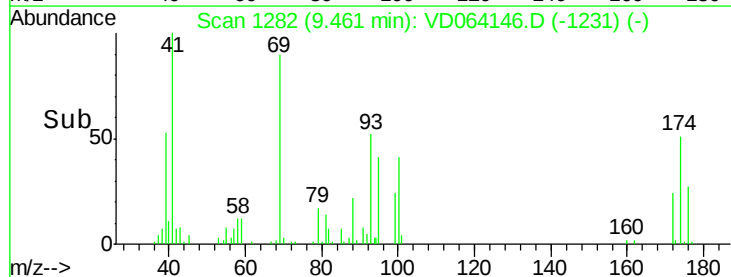
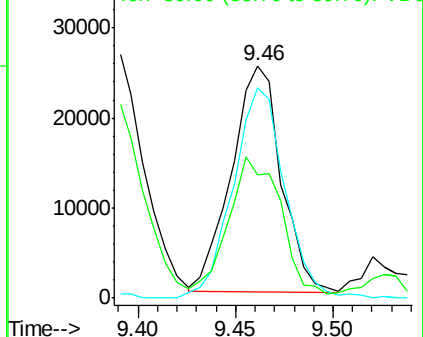


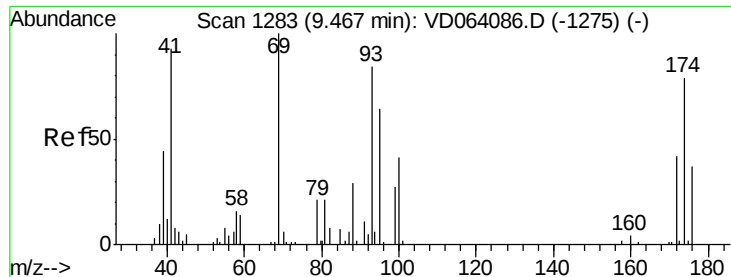
#48
Methyl methacrylate
Concen: 52.510 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion: 41 Resp: 44588
Ion Ratio Lower Upper
41 100
69 96.7 82.6 124.0
39 66.5 47.0 70.4



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

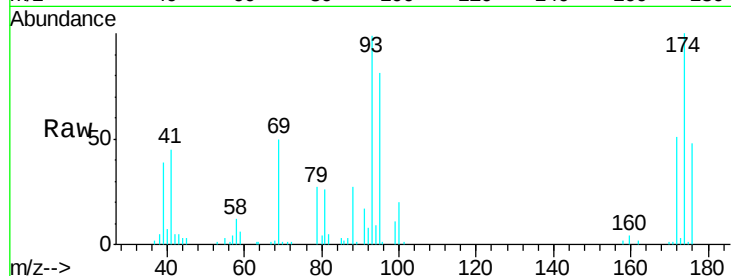




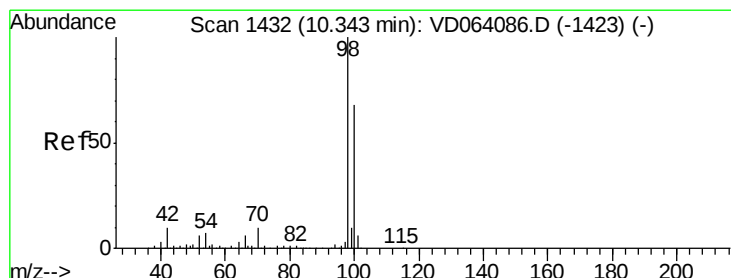
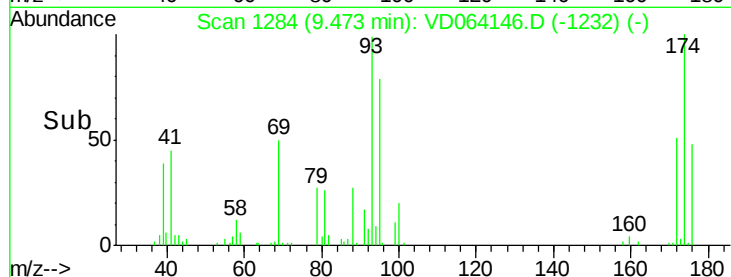
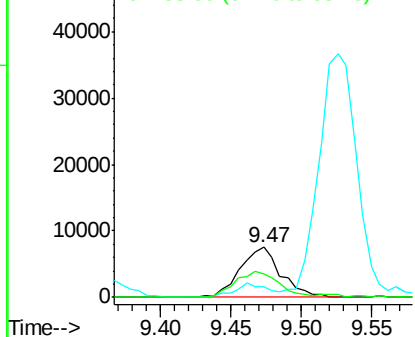
#49
1,4-Dioxane
Concen: 1196.987 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 15394
Ion Ratio Lower Upper
88 100
43 22.3 13.4 20.0#
58 54.7 46.7 70.1

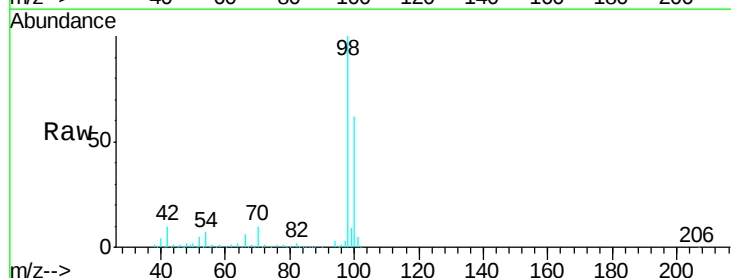


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

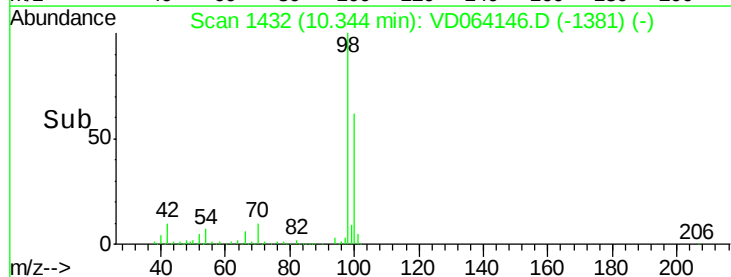
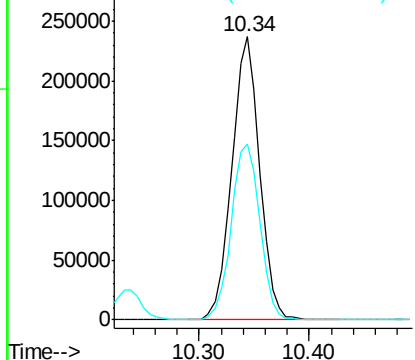


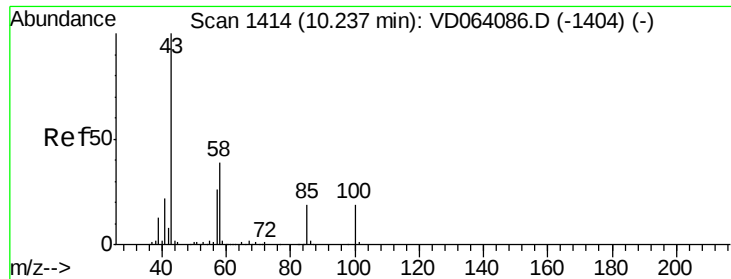
#50
Toluene-d8
Concen: 53.867 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion: 98 Resp: 417515
Ion Ratio Lower Upper
98 100
100 64.2 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

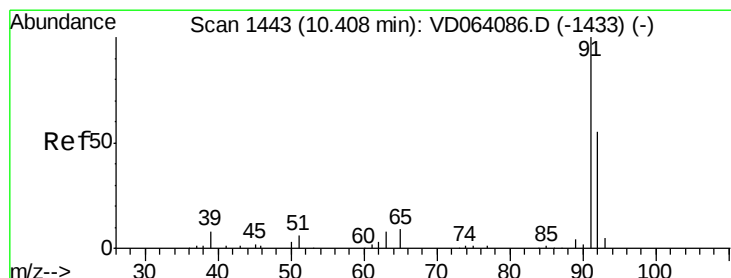
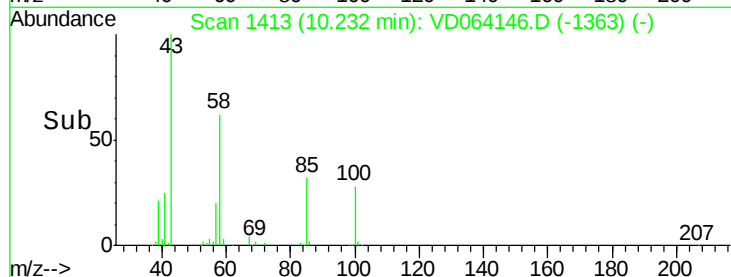
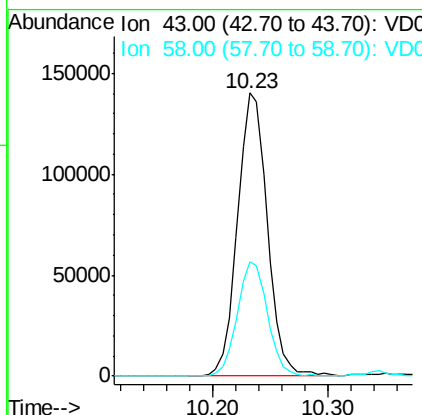
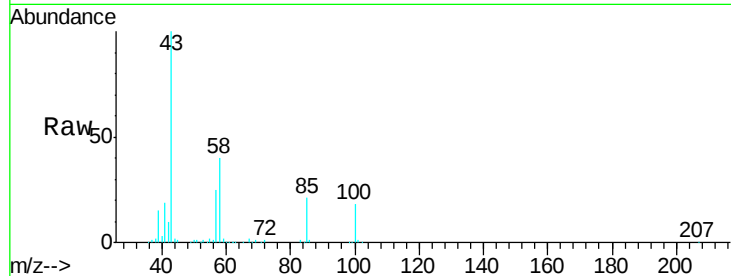




#51
 4-Methyl-2-Pentanone
 Concen: 251.367 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

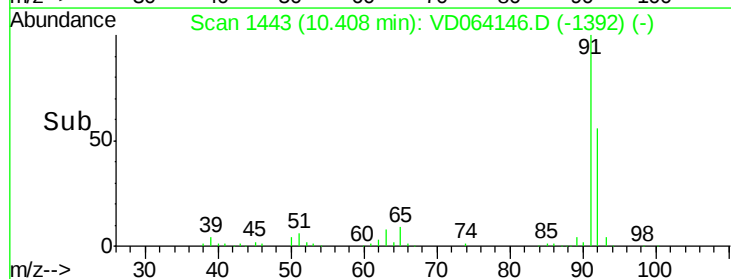
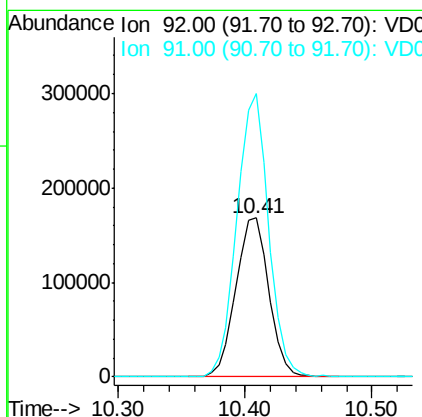
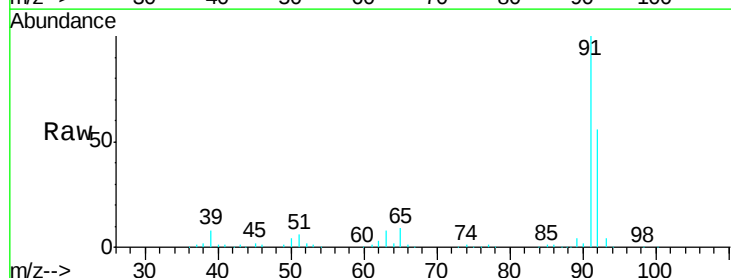
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

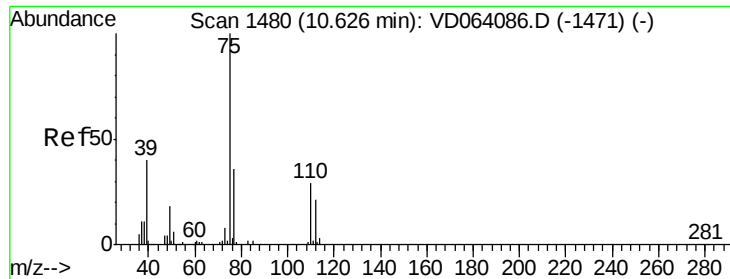
Tgt Ion: 43 Resp: 251273
 Ion Ratio Lower Upper
 43 100
 58 41.0 33.0 49.4



#52
 Toluene
 Concen: 53.954 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion: 92 Resp: 304366
 Ion Ratio Lower Upper
 92 100
 91 170.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 53.200 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

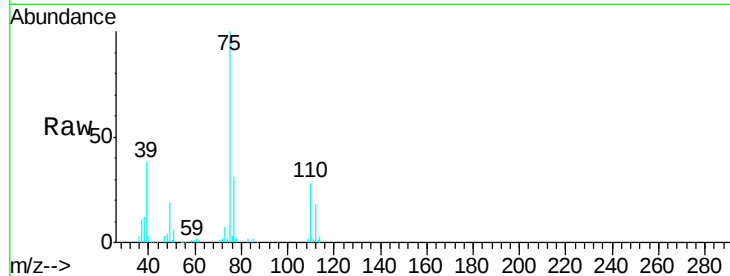
VSTDCCC050

Tgt Ion: 75 Resp: 140757

Ion Ratio Lower Upper

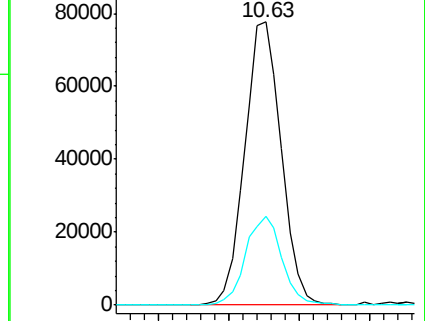
75 100

77 31.2 28.7 43.1

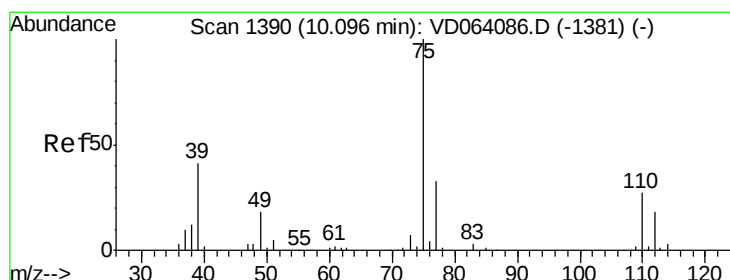
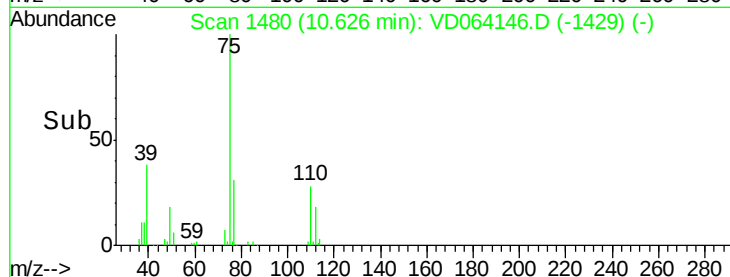


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.741 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

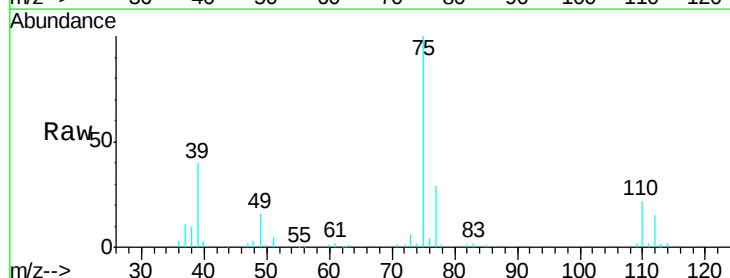
Tgt Ion: 75 Resp: 167286

Ion Ratio Lower Upper

75 100

77 28.9 26.8 40.2

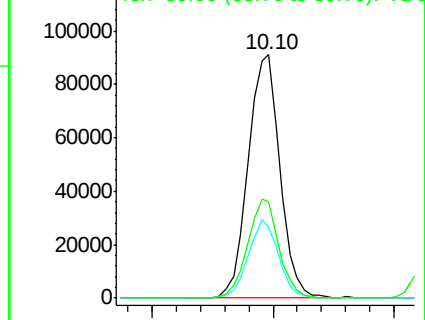
39 39.4 32.7 49.1



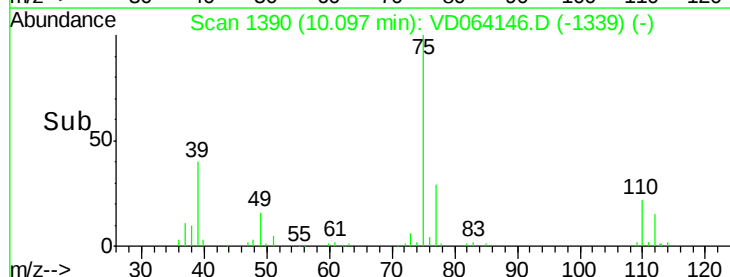
Abundance Ion 74.90 (74.60 to 75.60): VDC

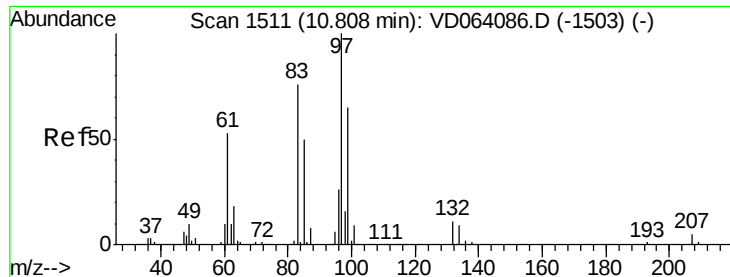
Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC



Time-->

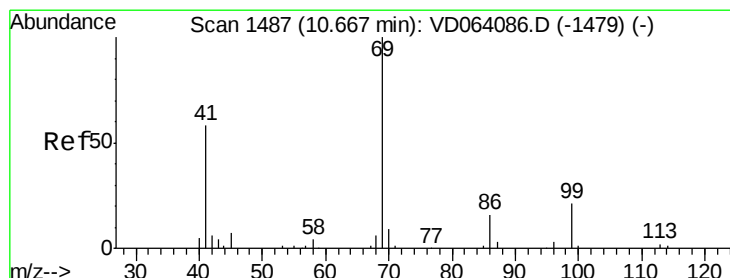
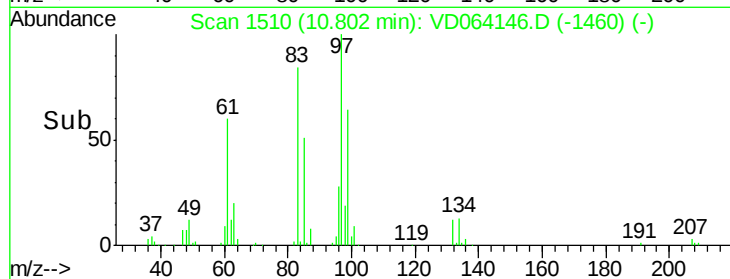
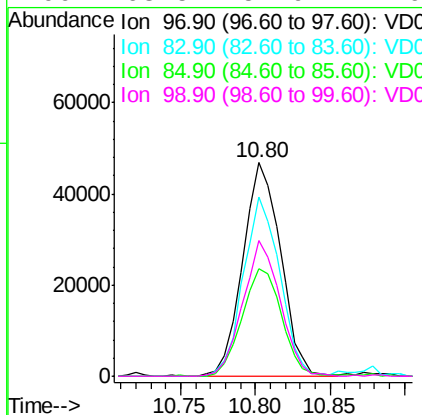
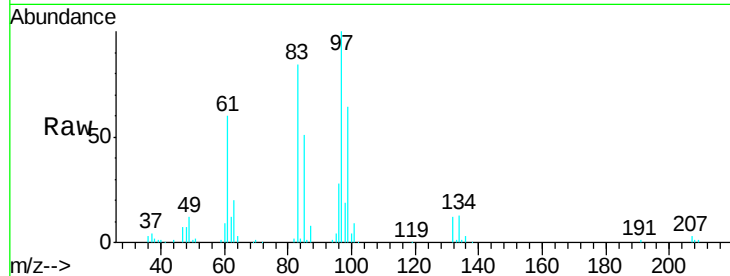




#55
 1,1,2-Trichloroethane
 Concen: 51.733 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

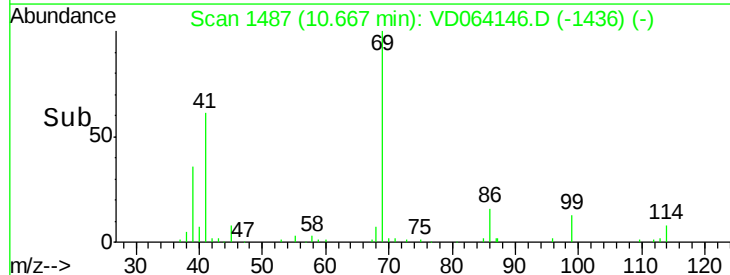
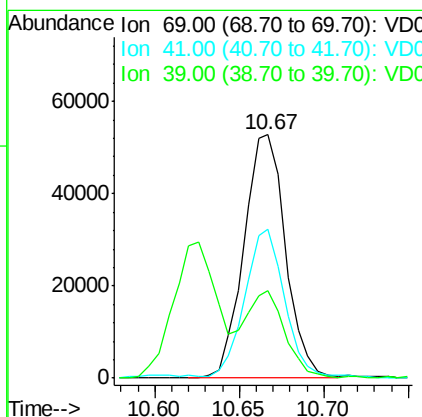
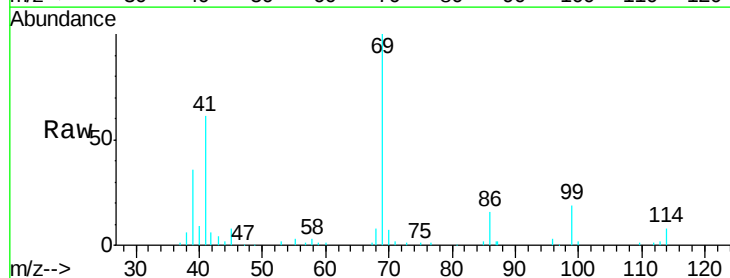
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

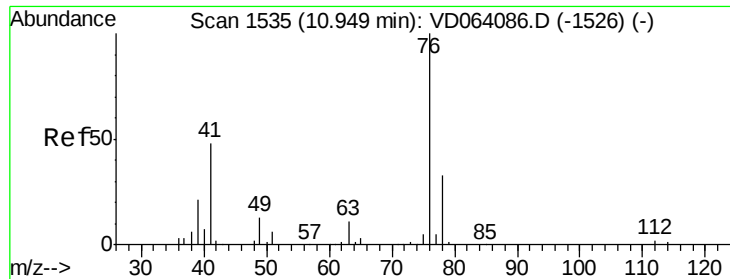
Tgt Ion:	97	Resp:	82407
Ion	Ratio	Lower	Upper
97	100		
83	83.8	60.9	91.3
85	50.6	40.2	60.2
99	63.5	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 47.038 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion:	69	Resp:	90702
Ion	Ratio	Lower	Upper
69	100		
41	59.5	46.9	70.3
39	30.7	27.3	40.9

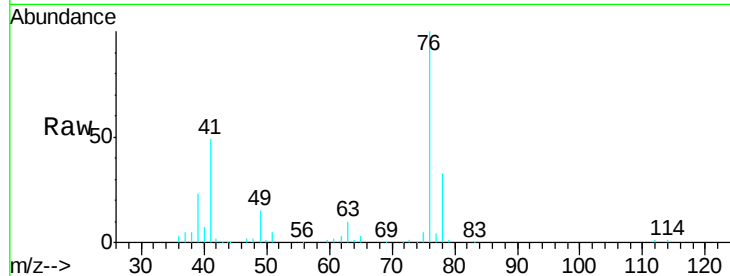




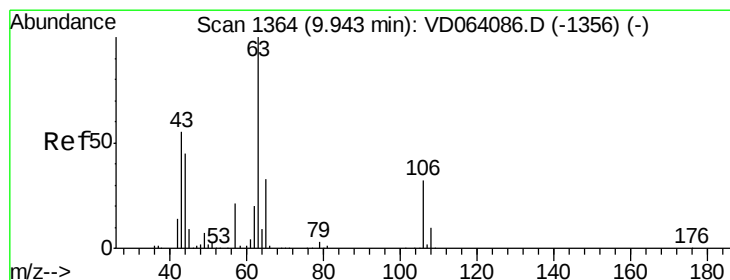
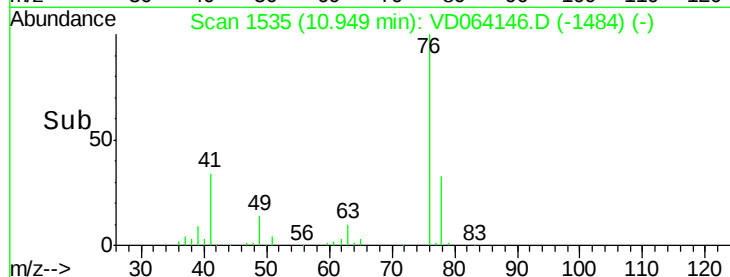
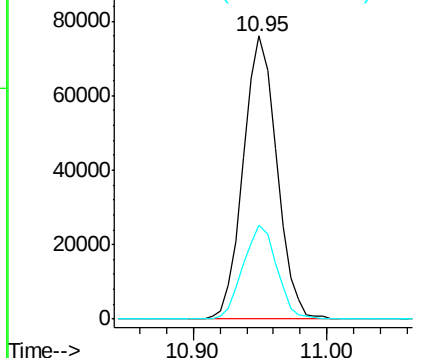
#57
 1,3-Dichloropropane
 Concen: 50.110 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 132010
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.9 38.9

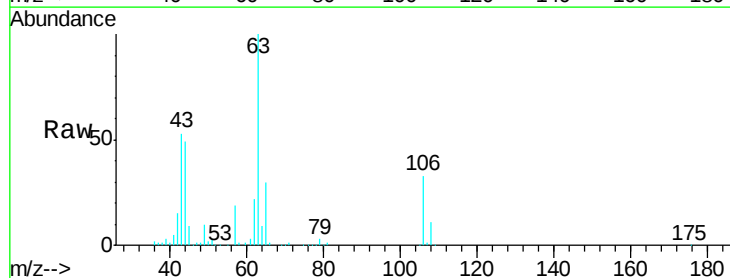


Abundance Ion 75.90 (75.60 to 76.60): VDC
 Ion 77.90 (77.60 to 78.60): VDC

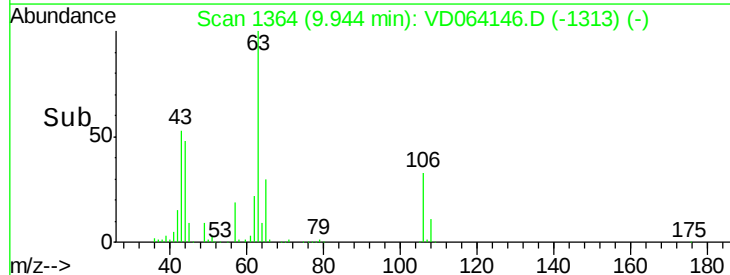
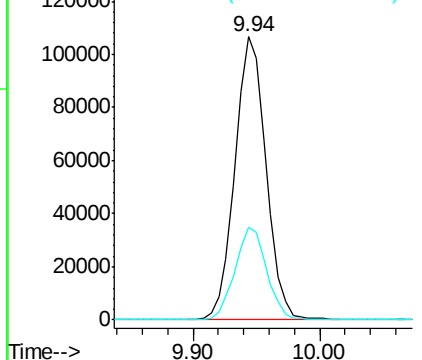


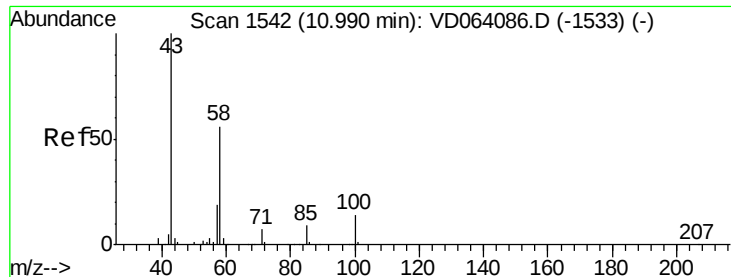
#58
 2-Chloroethyl Vinyl ether
 Concen: 259.153 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion: 63 Resp: 180855
 Ion Ratio Lower Upper
 63 100
 106 33.3 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC
 Ion 105.90 (105.60 to 106.60): V

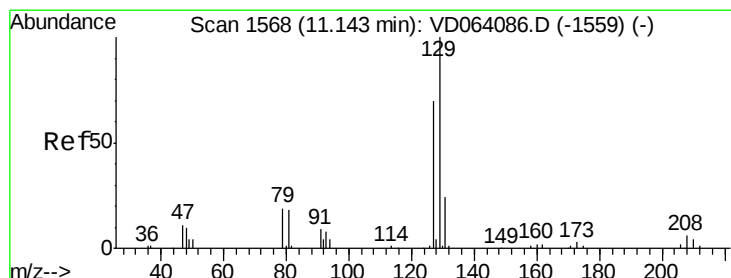
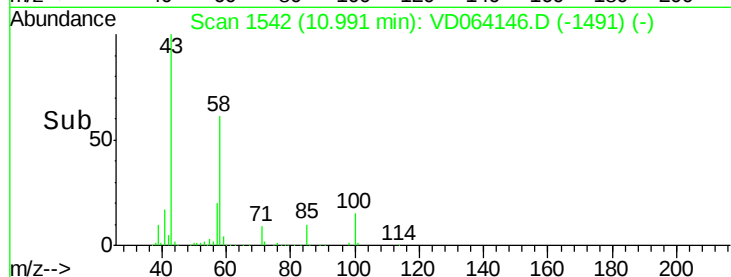
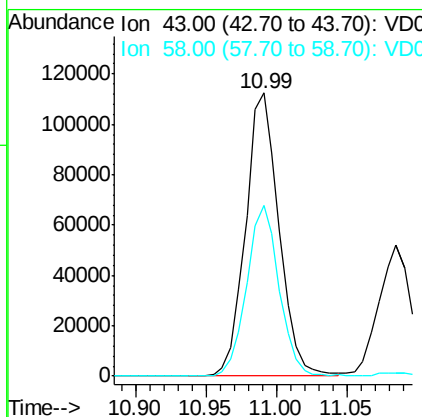
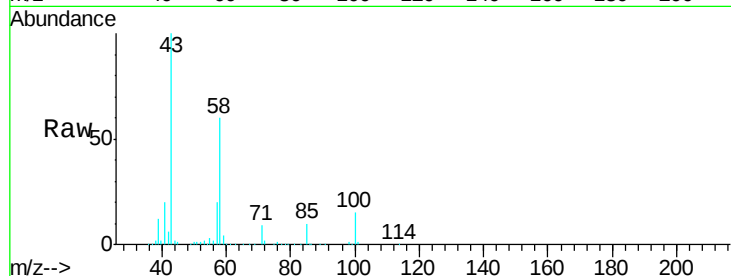




#59
2-Hexanone
Concen: 239.475 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

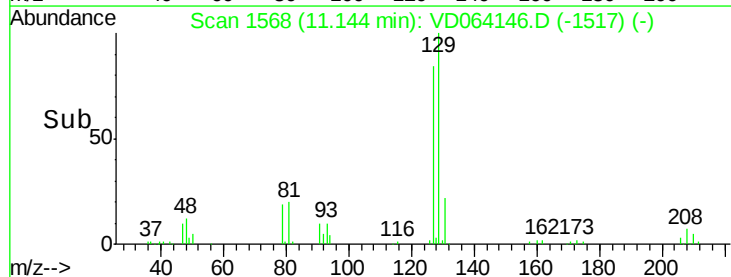
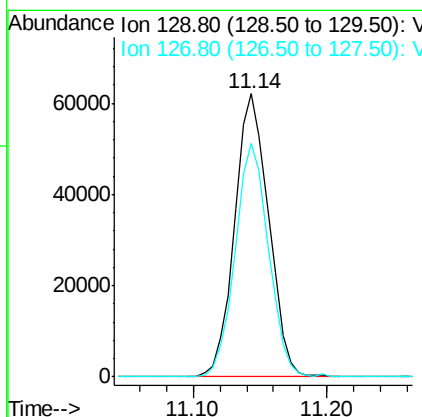
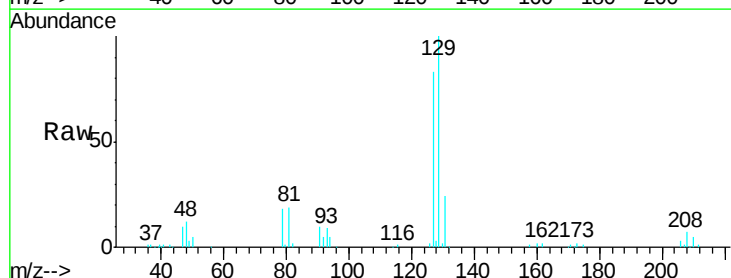
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

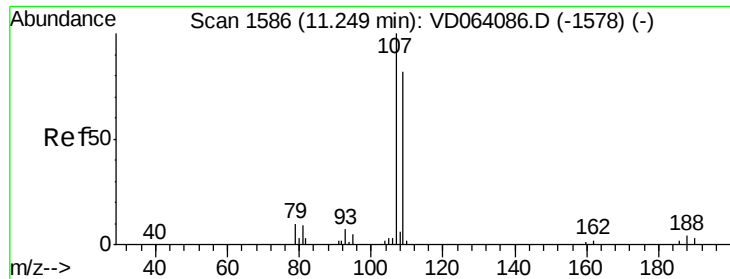
Tgt Ion: 43 Resp: 187344
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6



#60
Dibromochloromethane
Concen: 50.779 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion: 129 Resp: 109788
Ion Ratio Lower Upper
129 100
127 80.8 38.3 114.8

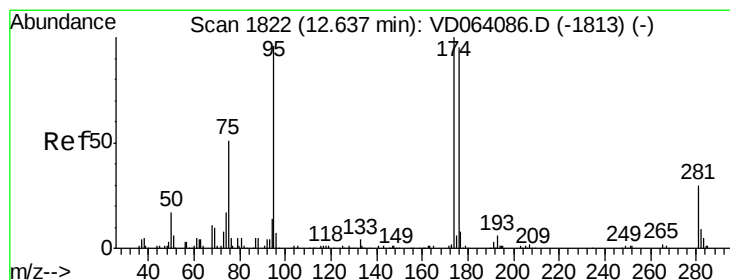
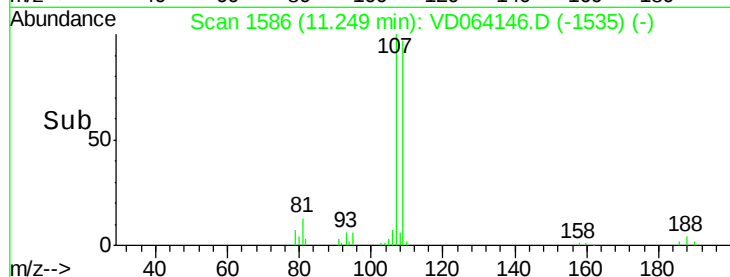
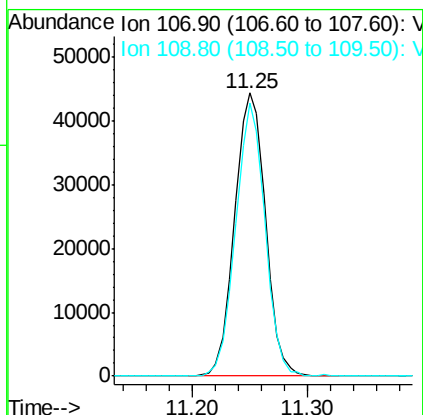
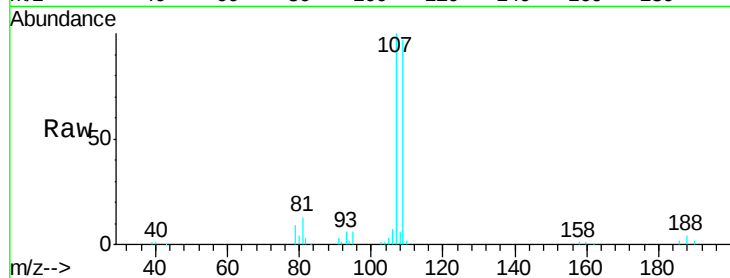




#61
 1,2-Dibromoethane
 Concen: 51.431 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

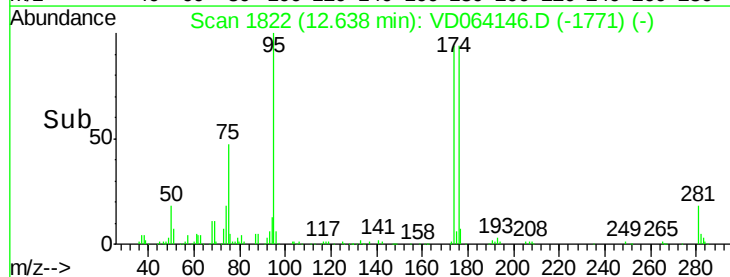
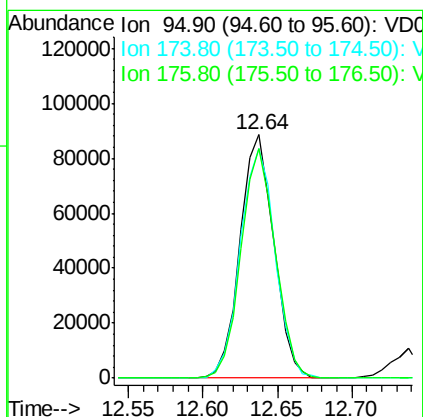
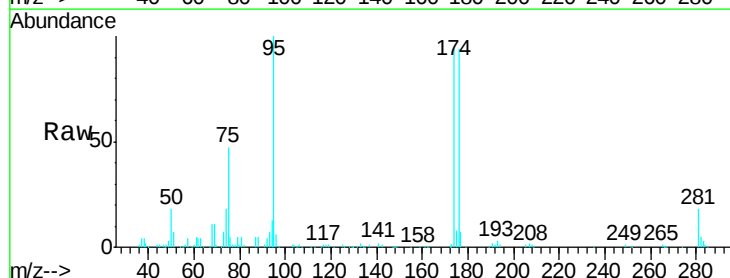
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

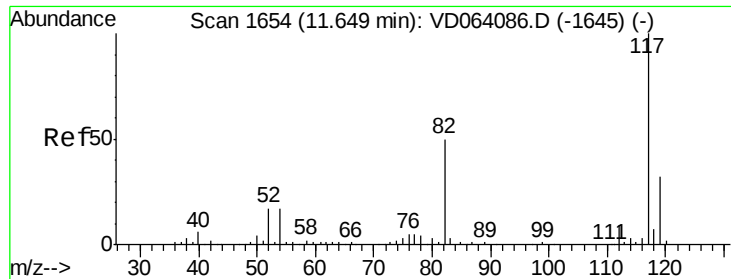
Tgt Ion: 107 Resp: 81939
 Ion Ratio Lower Upper
 107 100
 109 91.8 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 54.193 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion: 95 Resp: 139256
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 201.6
 176 95.2 0.0 192.6

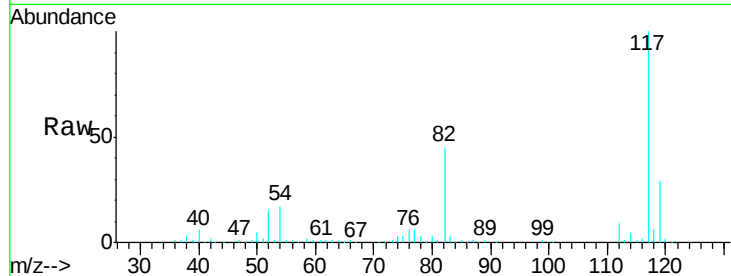




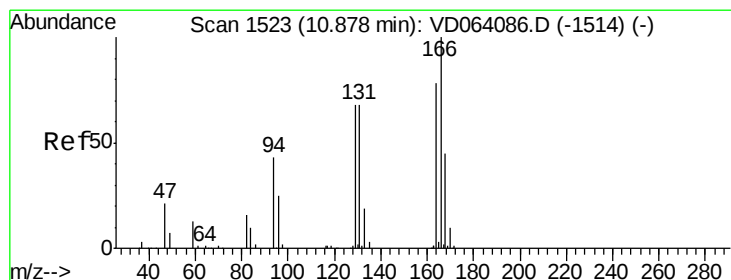
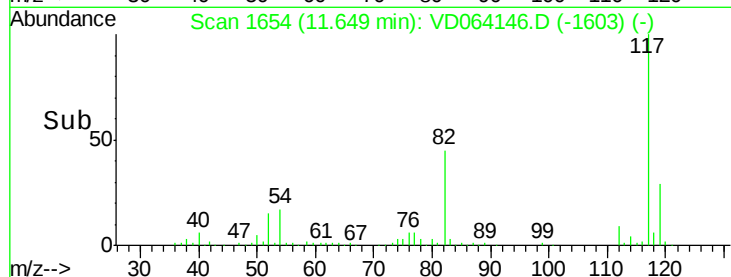
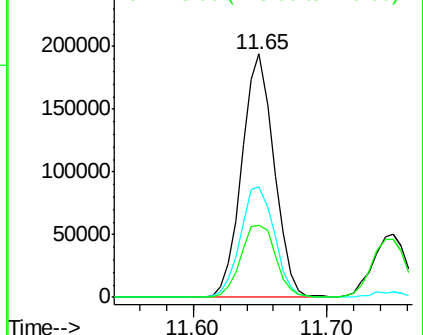
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 323769
Ion Ratio Lower Upper
117 100
82 45.2 40.2 60.4
119 29.4 26.0 39.0



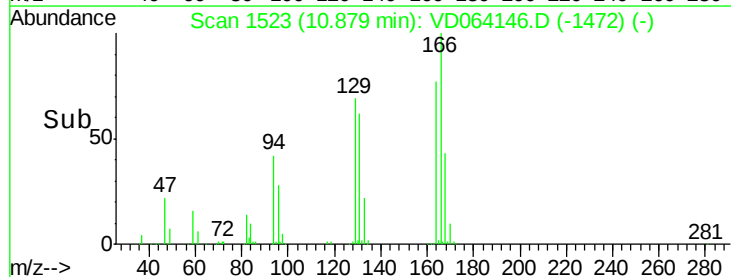
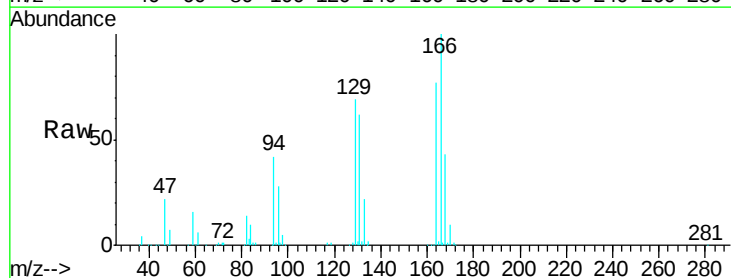
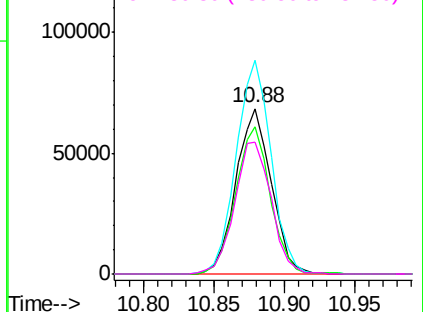
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

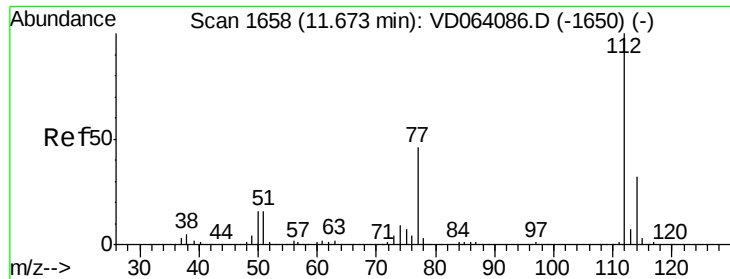


#64
Tetrachloroethene
Concen: 51.443 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion:164 Resp: 119656
Ion Ratio Lower Upper
164 100
166 129.1 102.7 154.1
129 88.6 69.8 104.6
131 80.0 69.4 104.0

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: 51.222 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

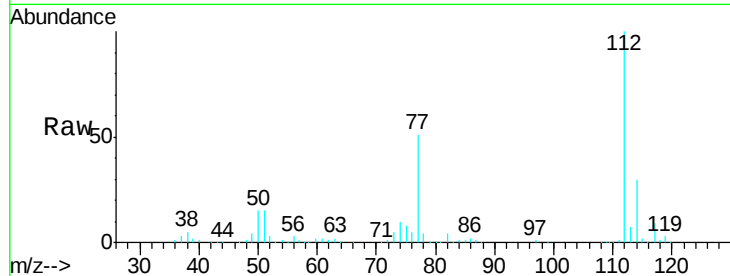
VSTDCCC050

Tgt Ion:112 Resp: 342666

Ion Ratio Lower Upper

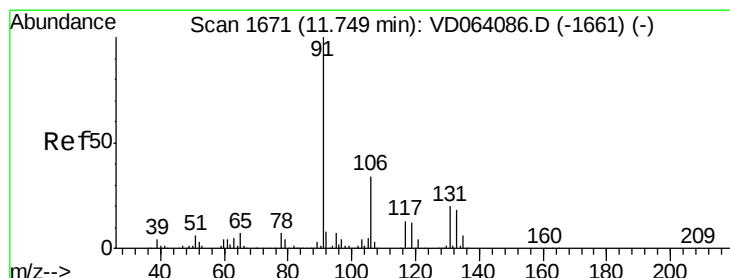
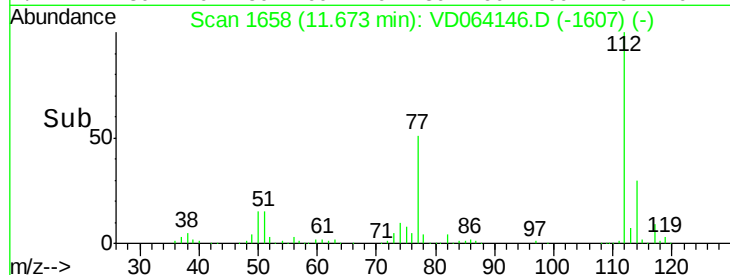
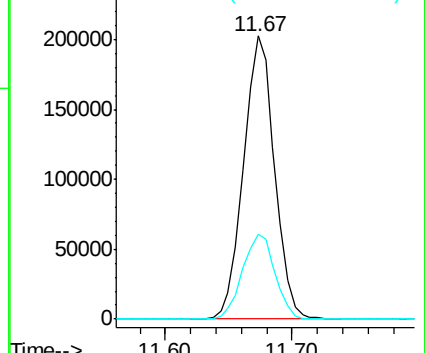
112 100

114 30.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.976 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

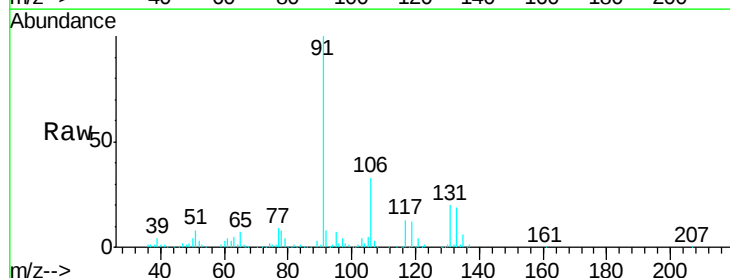
Tgt Ion:131 Resp: 127603

Ion Ratio Lower Upper

131 100

133 98.7 47.6 142.9

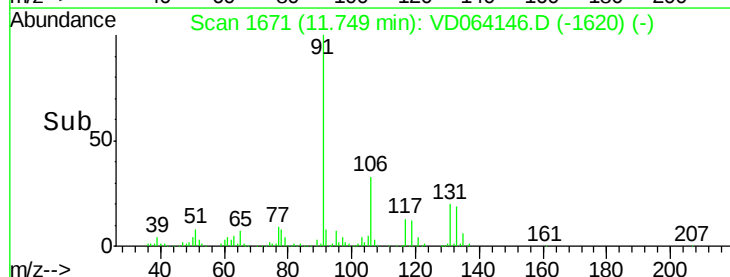
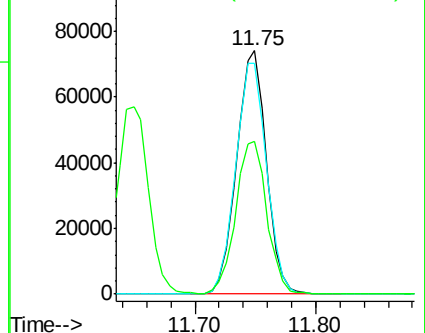
119 65.9 31.4 94.3

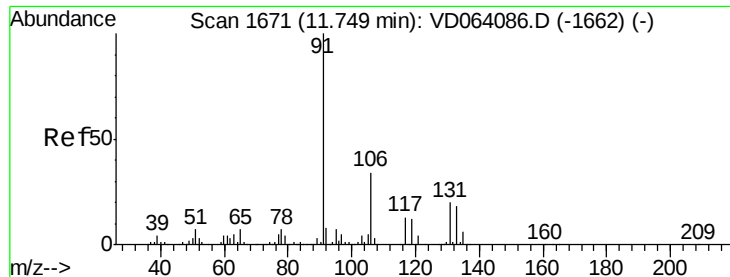


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.467 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

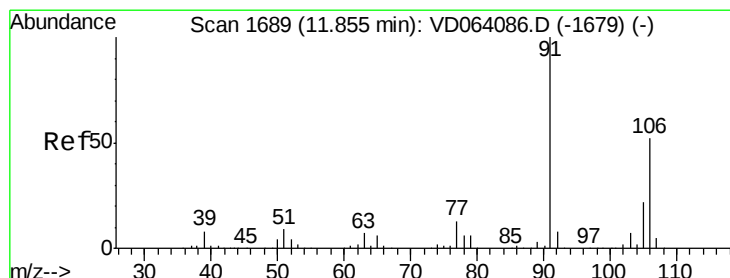
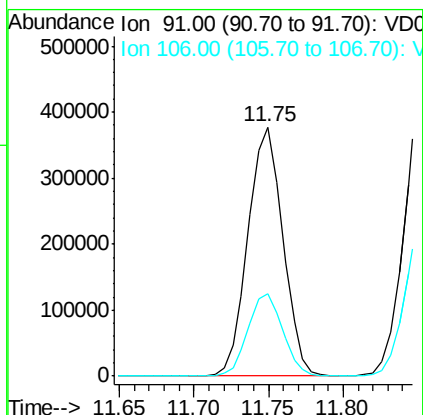
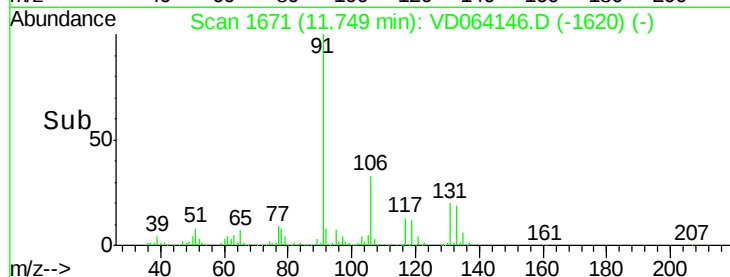
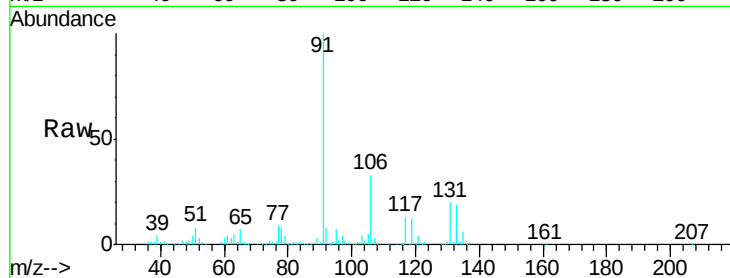
VSTDCCC050

Tgt Ion: 91 Resp: 612397

Ion Ratio Lower Upper

91 100

106 33.0 27.0 40.6



#68

m/p-Xylenes

Concen: 103.345 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064146.D

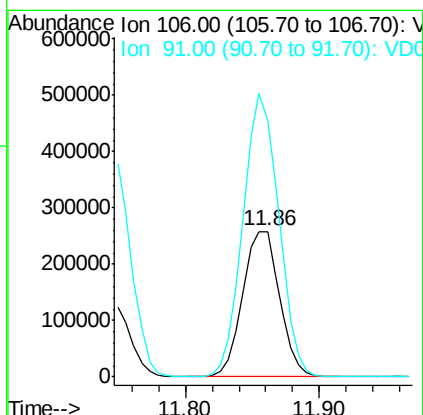
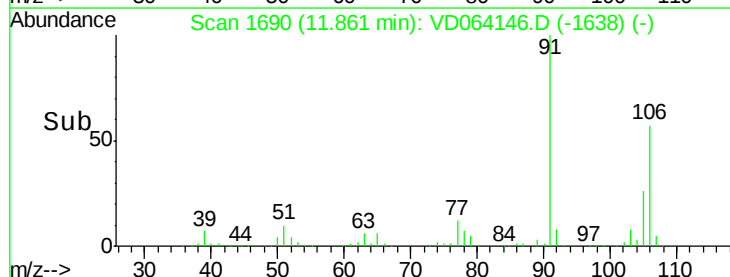
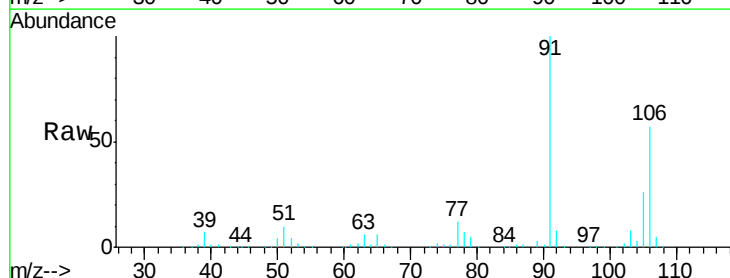
Acq: 01 Nov 2019 11:45

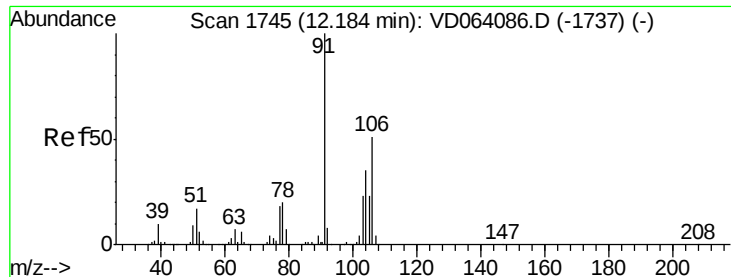
Tgt Ion: 106 Resp: 494613

Ion Ratio Lower Upper

106 100

91 189.0 154.0 231.0

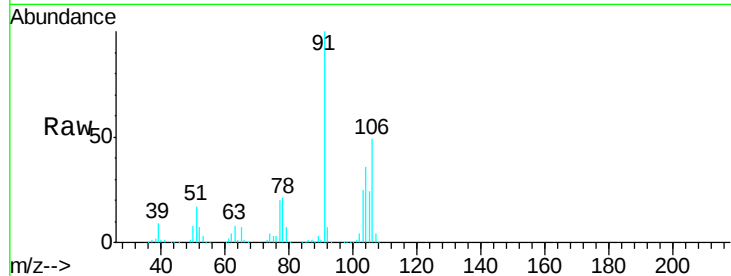




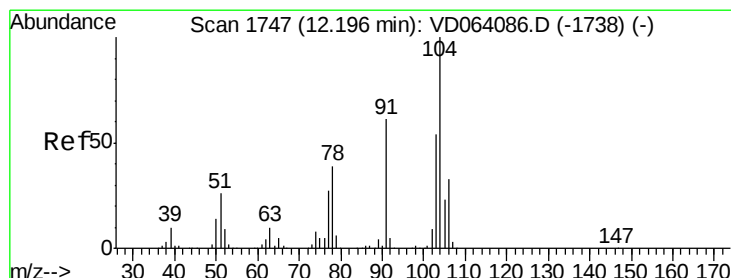
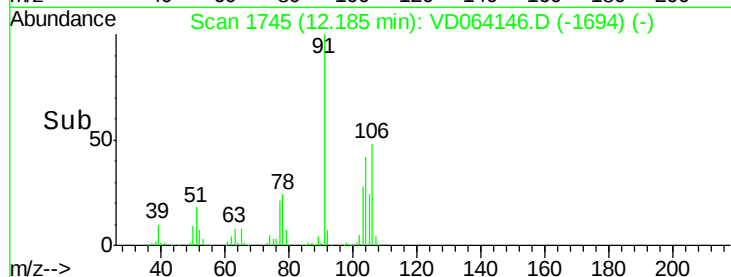
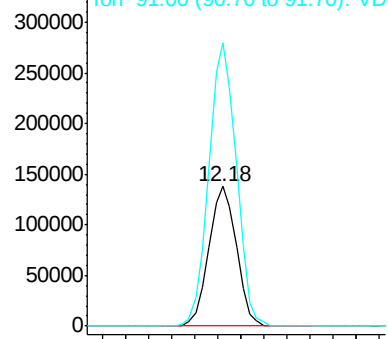
#69
o-Xylene
Concen: 52.292 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 228405
Ion Ratio Lower Upper
106 100
91 202.0 100.6 301.9

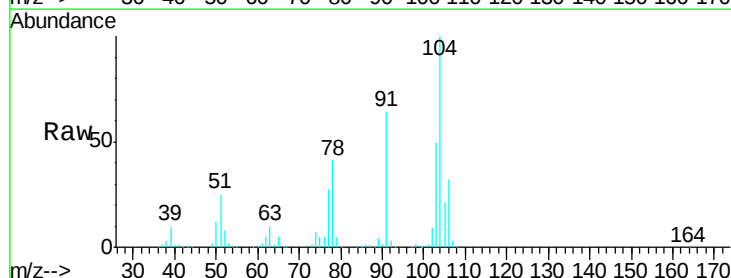


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

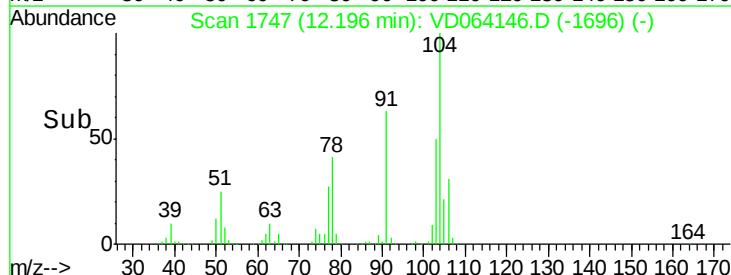
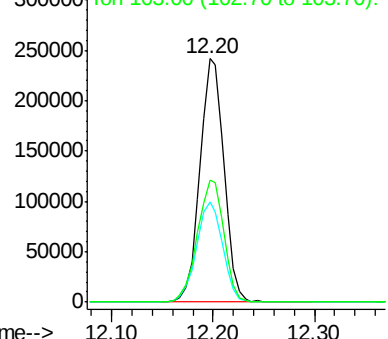


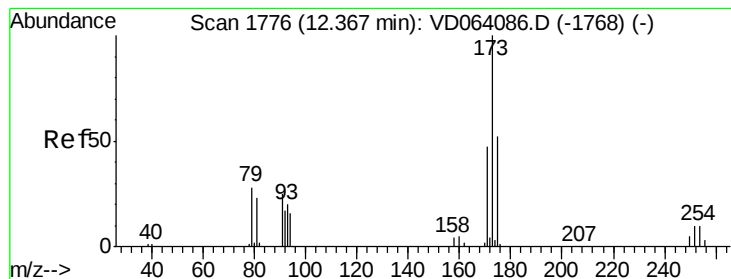
#70
Styrene
Concen: 52.818 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion:104 Resp: 397894
Ion Ratio Lower Upper
104 100
78 44.7 34.6 51.8
103 55.1 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.542 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

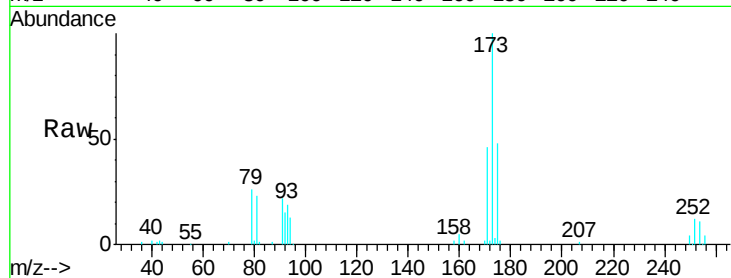
Tgt Ion:173 Resp: 67569

Ion Ratio Lower Upper

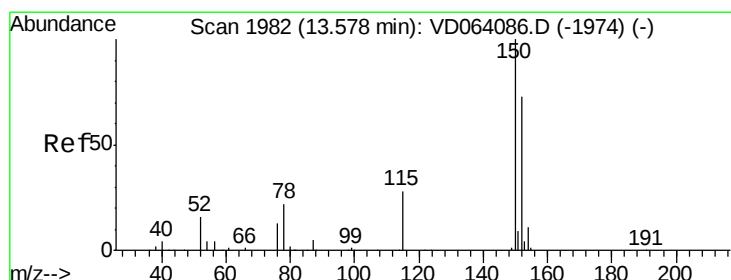
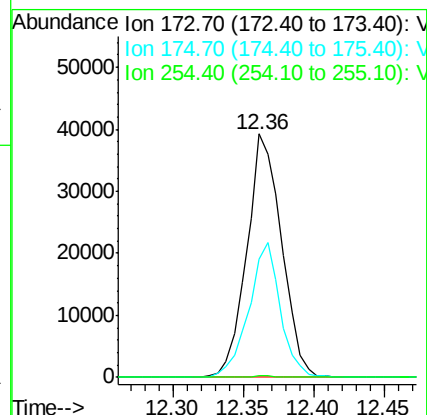
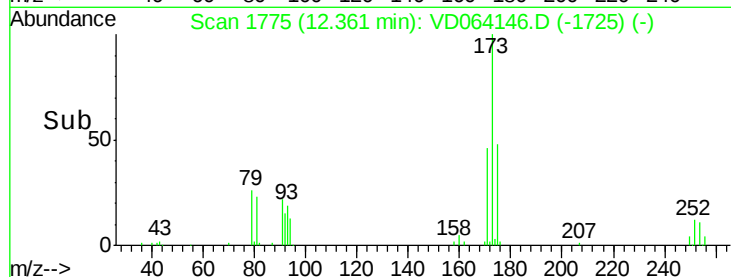
173 100

175 50.3 24.3 72.9

254 0.2 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# 1982

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

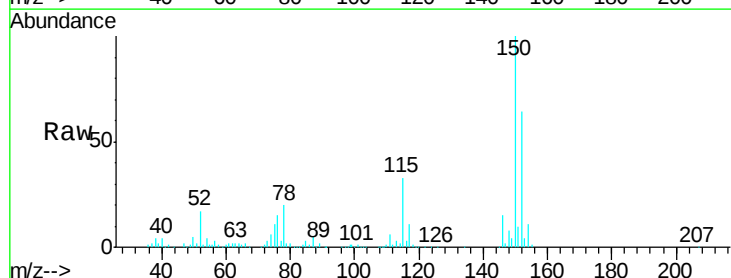
Tgt Ion:152 Resp: 183544

Ion Ratio Lower Upper

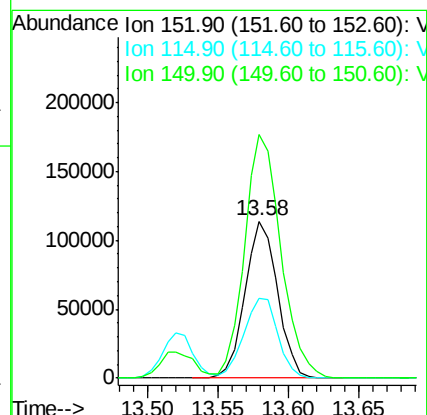
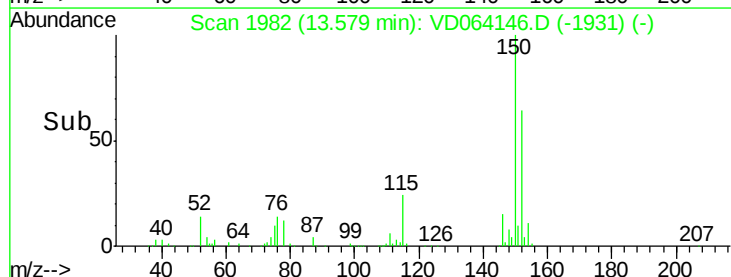
152 100

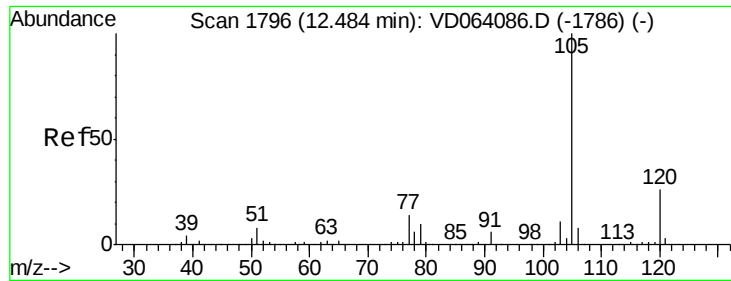
115 53.4 26.2 78.6

150 174.1 0.0 338.8



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: 50.119 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

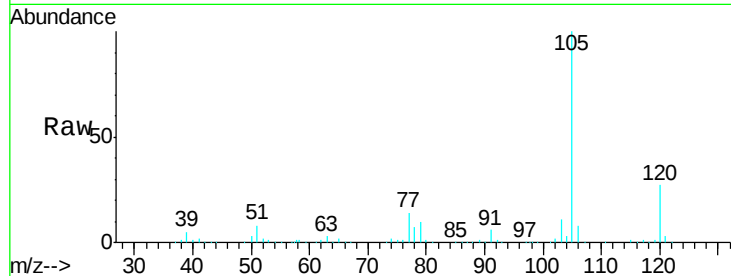
VSTDCCC050

Tgt Ion:105 Resp: 639240

Ion Ratio Lower Upper

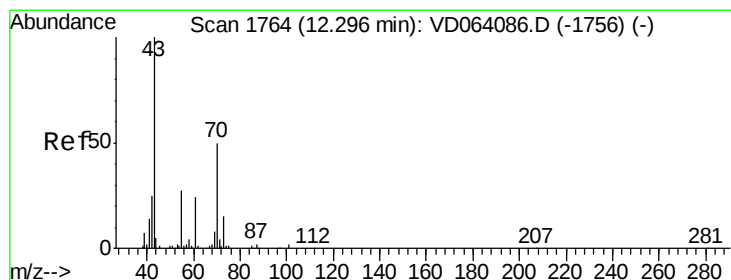
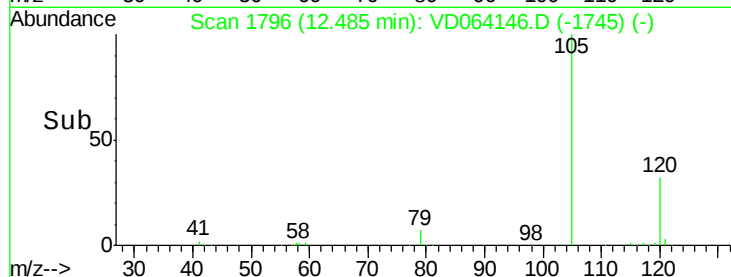
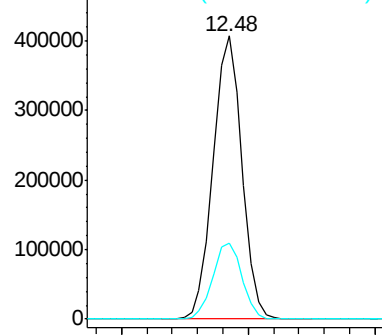
105 100

120 27.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.797 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Tgt Ion: 43 Resp: 97039

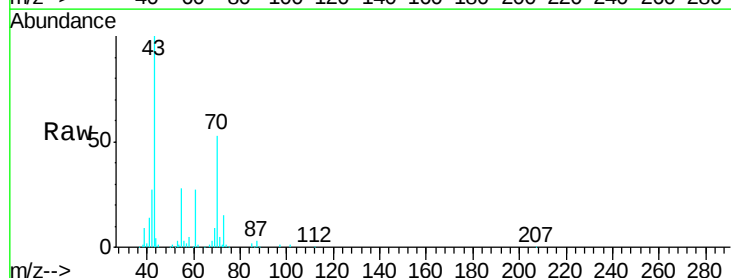
Ion Ratio Lower Upper

43 100

70 48.3 38.6 58.0

55 26.9 20.4 30.6

61 26.3 20.8 31.2

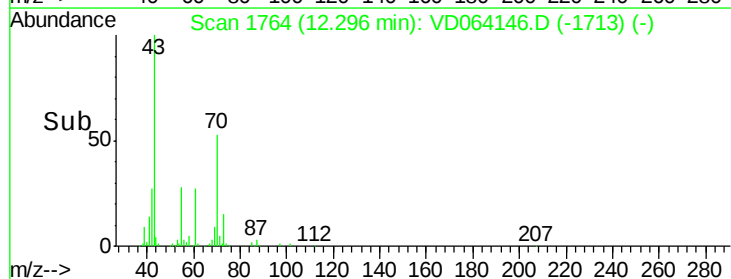
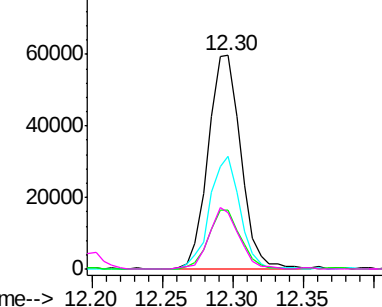


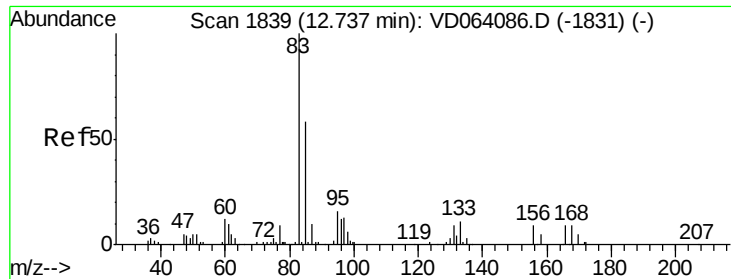
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.981 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

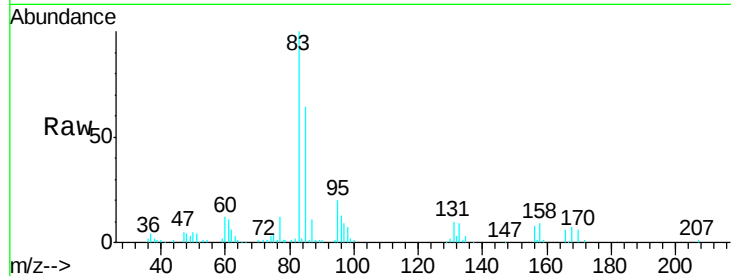
Tgt Ion: 83 Resp: 90428

Ion Ratio Lower Upper

83 100

131 11.9 5.7 17.0

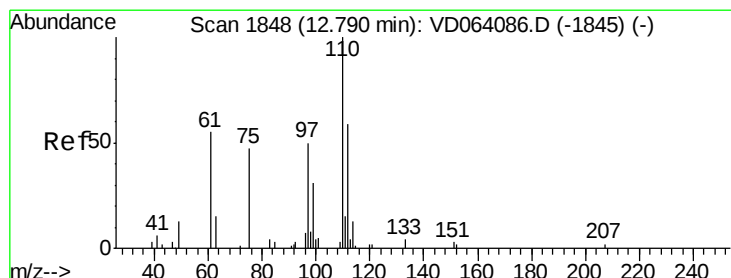
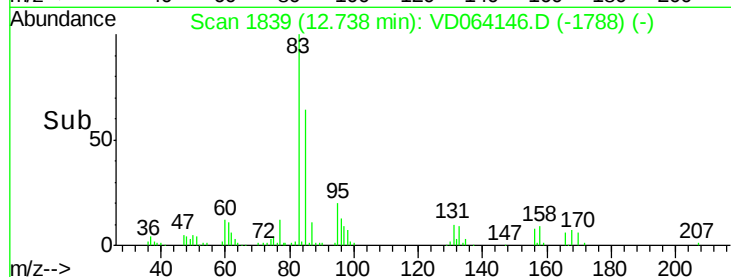
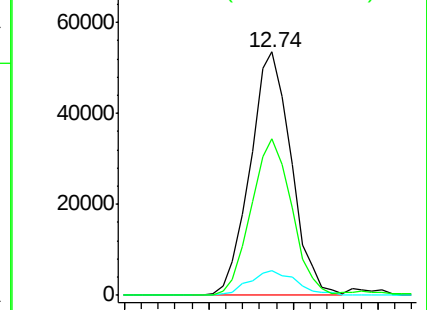
85 63.7 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 97.962 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064146.D

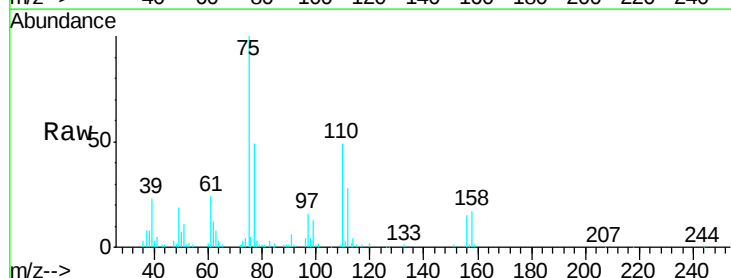
Acq: 01 Nov 2019 11:45

Tgt Ion: 75 Resp: 120818

Ion Ratio Lower Upper

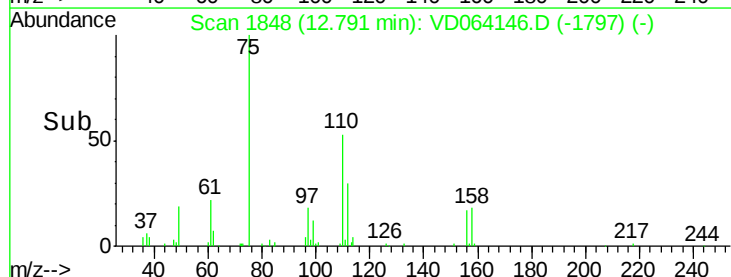
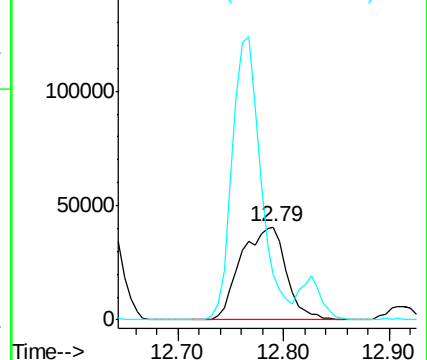
75 100

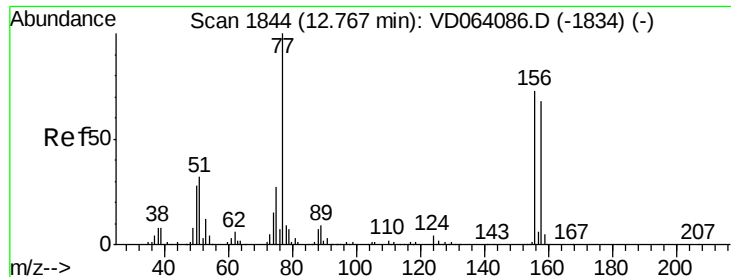
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.716 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

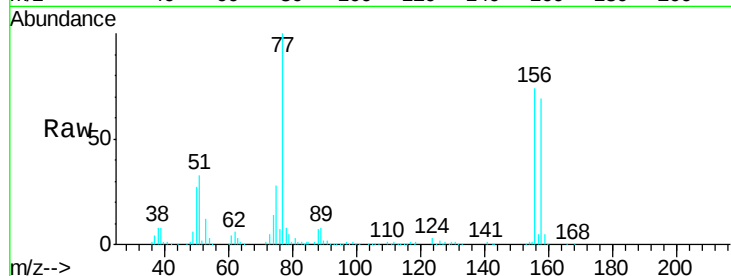
Tgt Ion:156 Resp: 153100

Ion Ratio Lower Upper

156 100

77 152.5 76.0 228.0

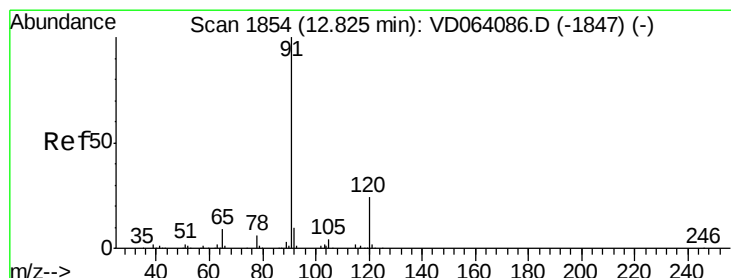
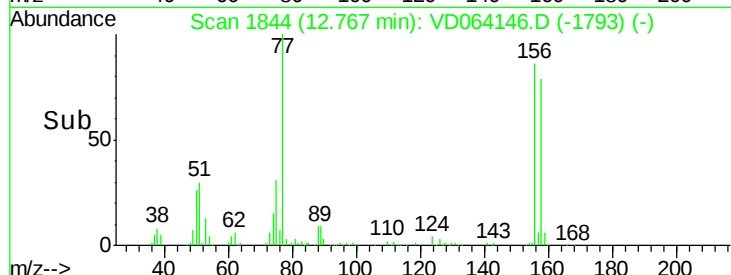
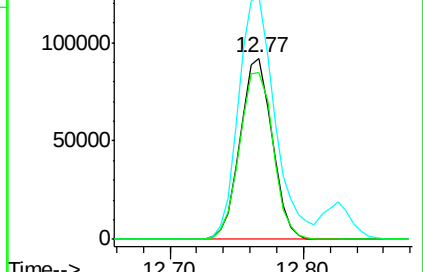
158 96.9 47.6 142.8



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: 50.456 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064146.D

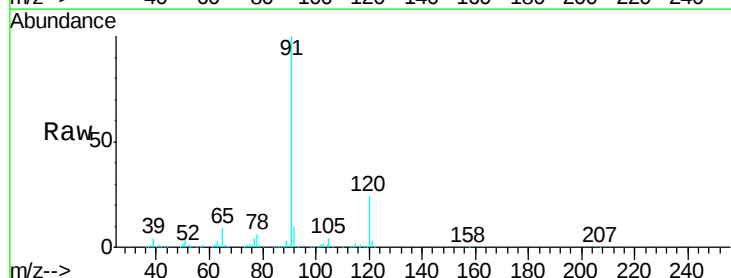
Acq: 01 Nov 2019 11:45

Tgt Ion: 91 Resp: 754158

Ion Ratio Lower Upper

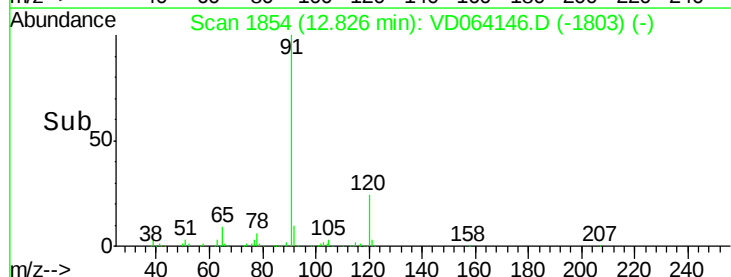
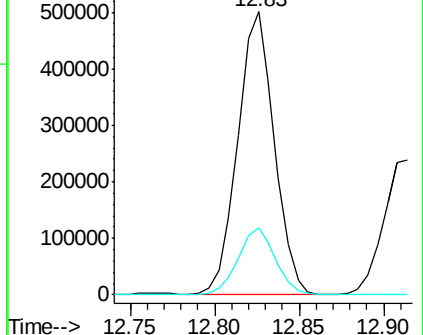
91 100

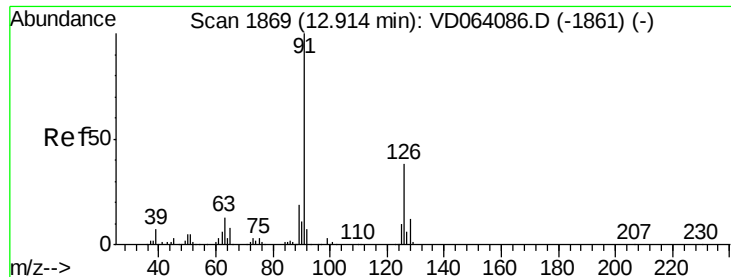
120 24.2 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

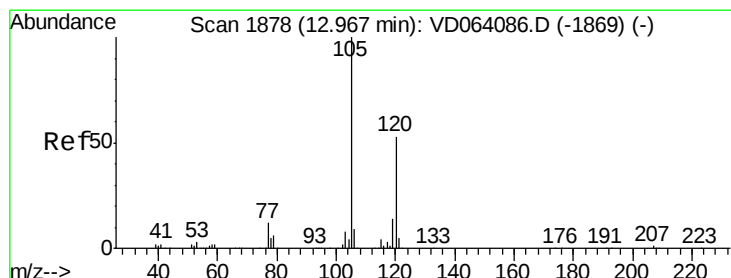
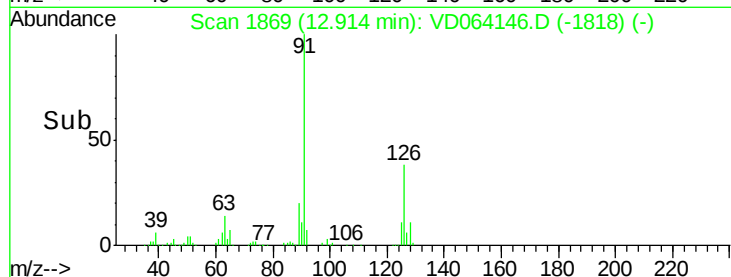
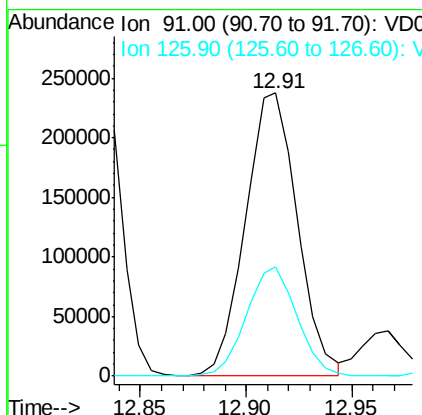
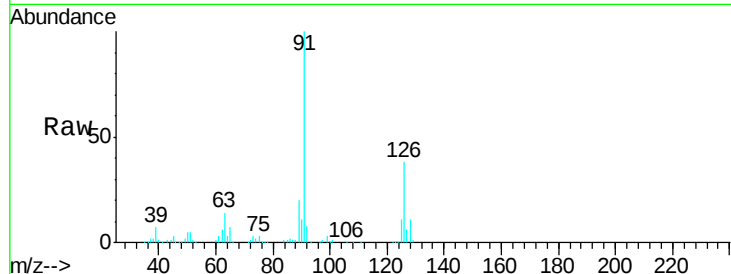




#79
 2-Chlorotoluene
 Concen: 50.614 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

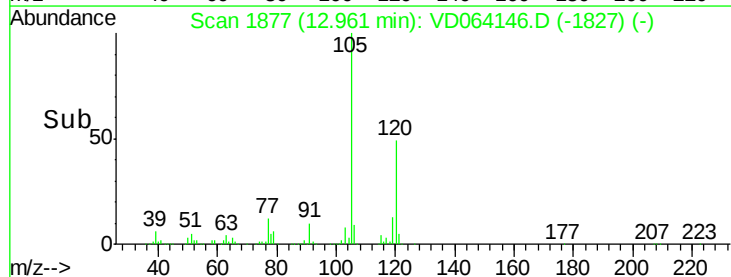
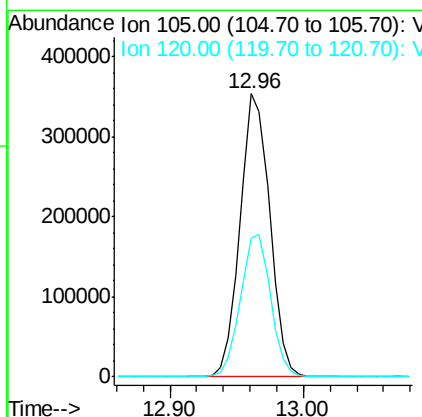
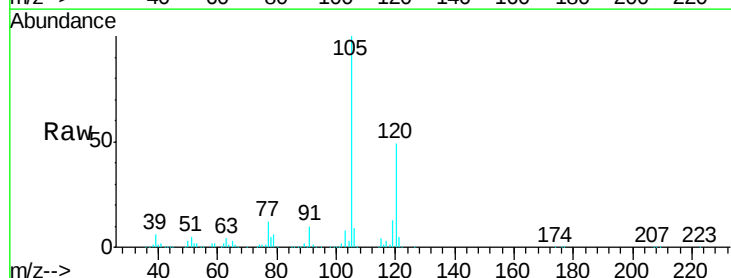
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

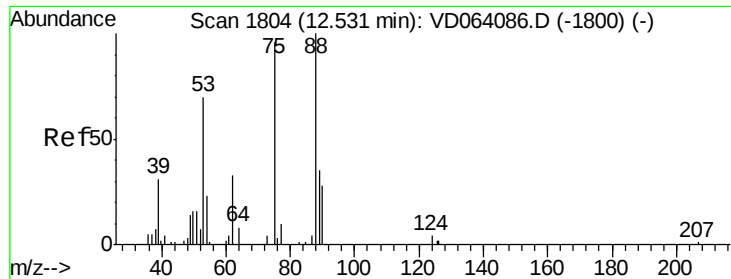
Tgt Ion: 91 Resp: 405529
 Ion Ratio Lower Upper
 91 100
 126 37.6 19.1 57.1



#80
 1,3,5-Trimethylbenzene
 Concen: 50.941 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion: 105 Resp: 543772
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.8 77.4

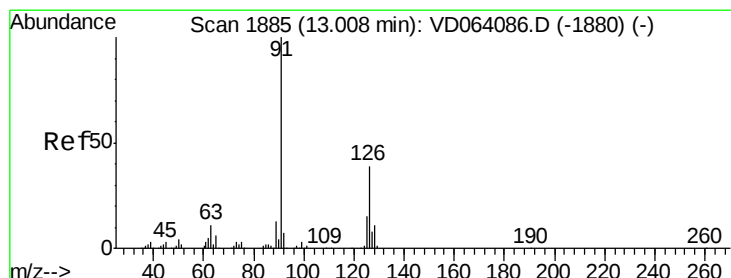
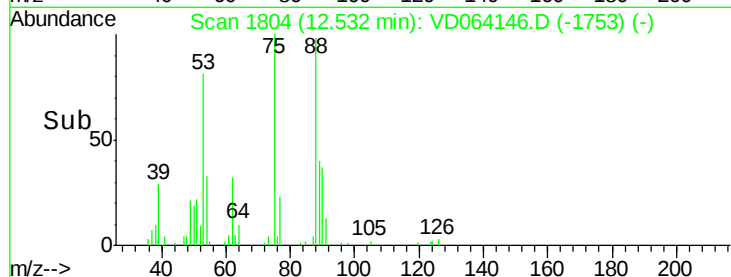
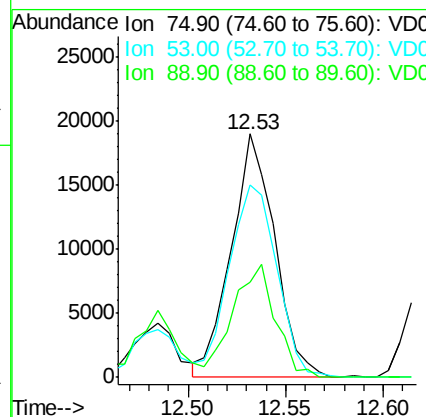
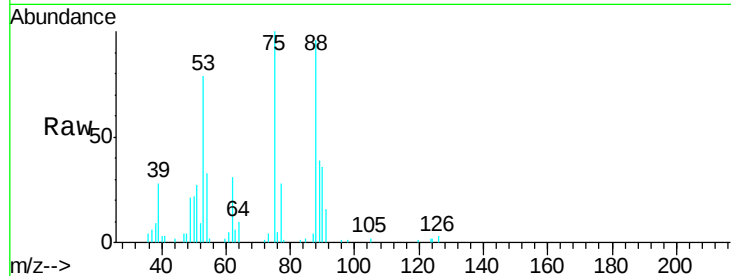




#81
trans-1,4-Dichloro-2-butene
Concen: 48.497 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

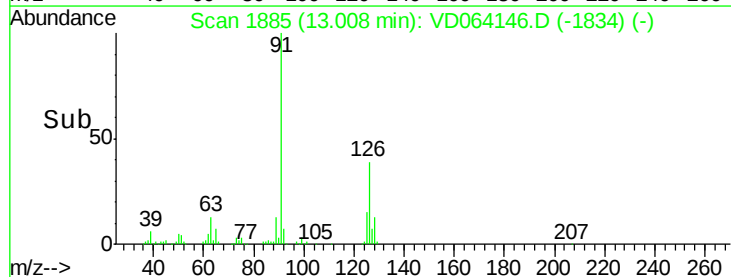
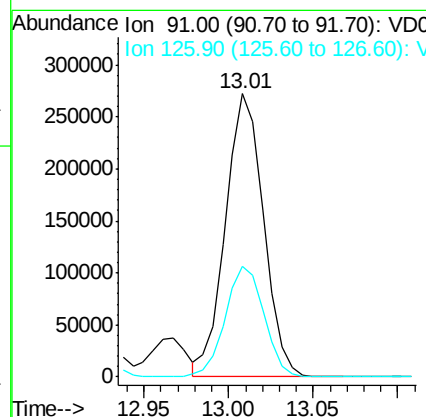
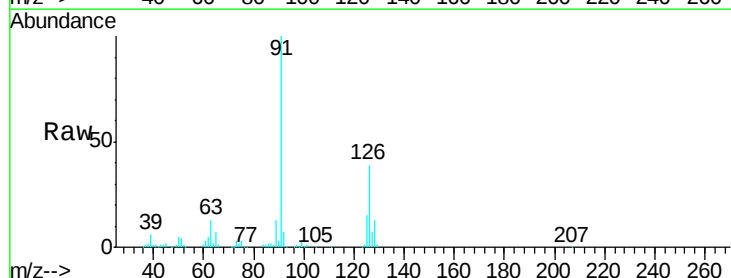
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

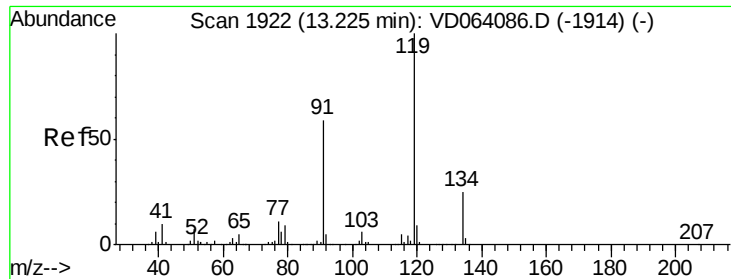
Tgt Ion: 75 Resp: 29287
Ion Ratio Lower Upper
75 100
53 87.2 68.6 103.0
89 45.5 36.9 55.3



#82
4-Chlorotoluene
Concen: 49.867 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064146.D
Acq: 01 Nov 2019 11:45

Tgt Ion: 91 Resp: 426922
Ion Ratio Lower Upper
91 100
126 39.7 18.9 56.5

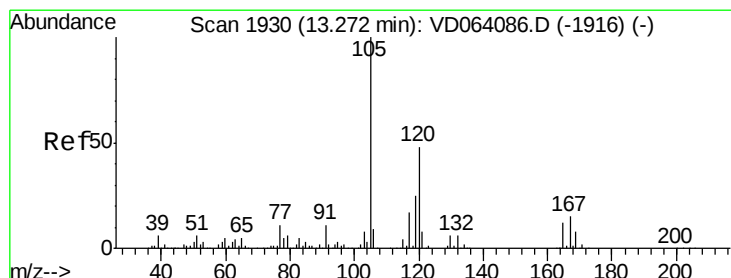
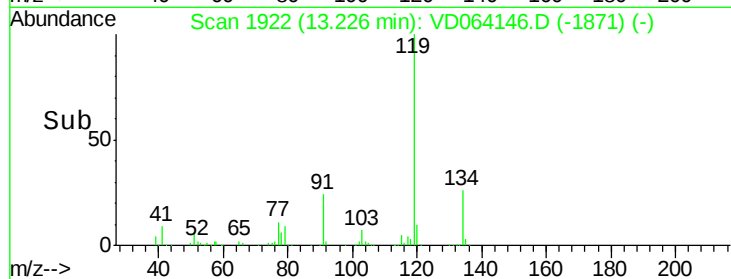
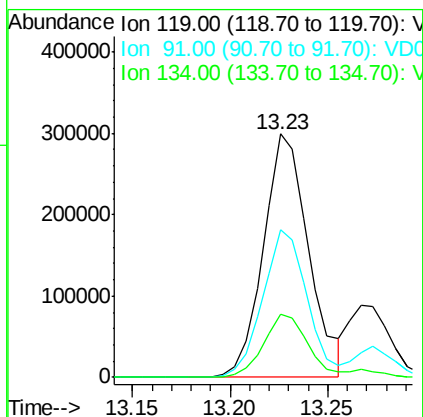
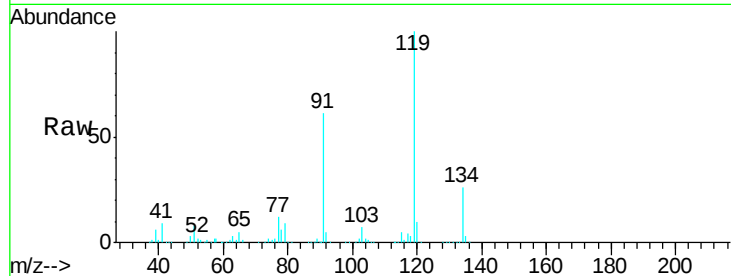




#83
 tert-Butylbenzene
 Concen: 50.193 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

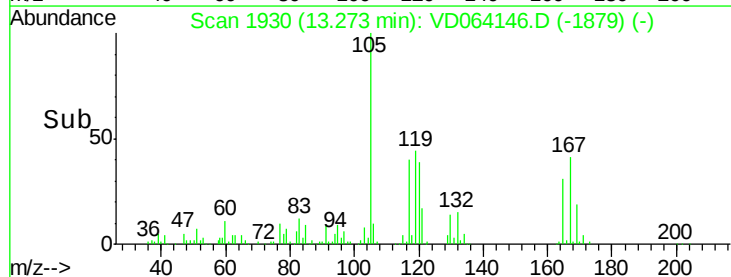
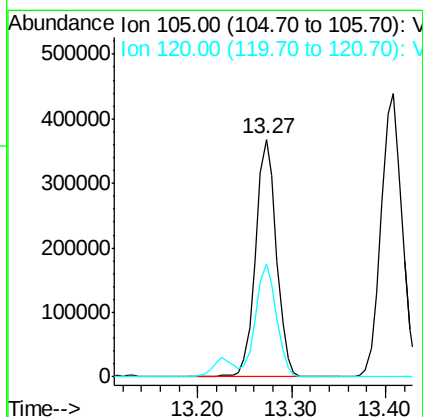
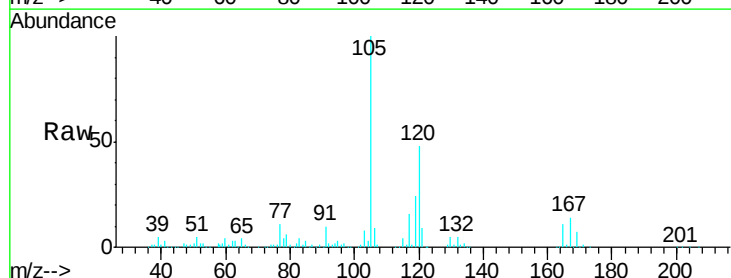
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

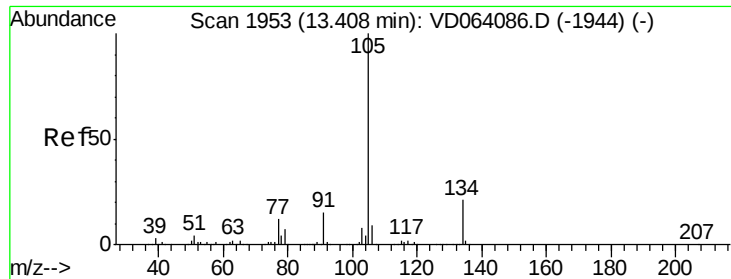
Tgt Ion:119 Resp: 481229
 Ion Ratio Lower Upper
 119 100
 91 59.1 28.3 85.0
 134 25.7 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.581 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion:105 Resp: 563843
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.1 72.4





#85

sec-Butylbenzene

Concen: 51.308 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

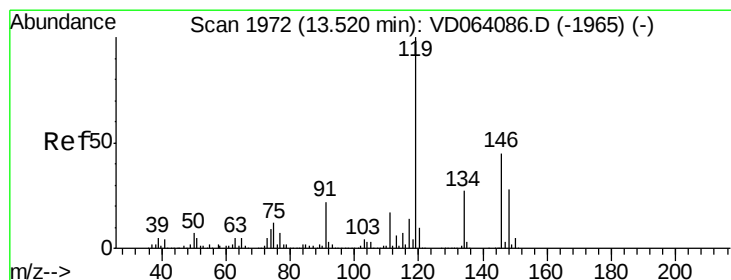
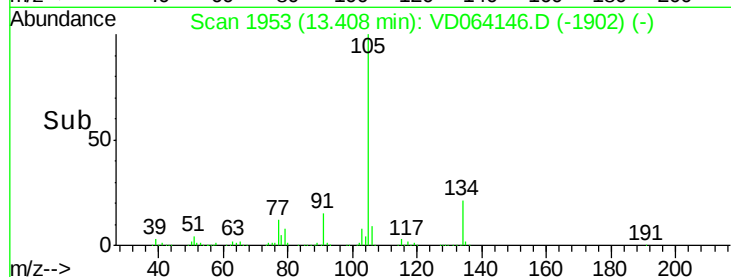
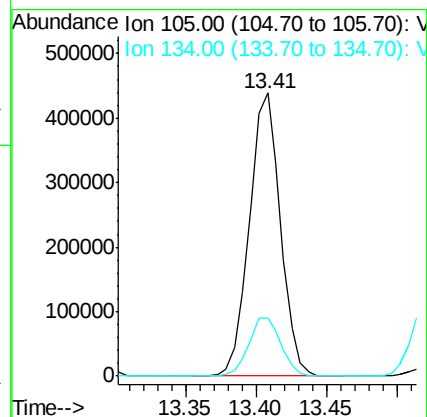
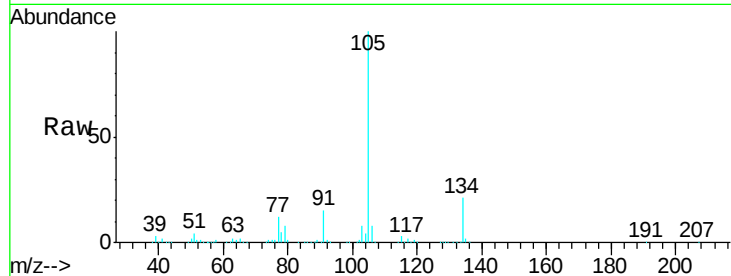
VSTDCCC050

Tgt Ion:105 Resp: 675536

Ion Ratio Lower Upper

105 100

134 21.6 10.4 31.2



#86

p-Isopropyltoluene

Concen: 52.827 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

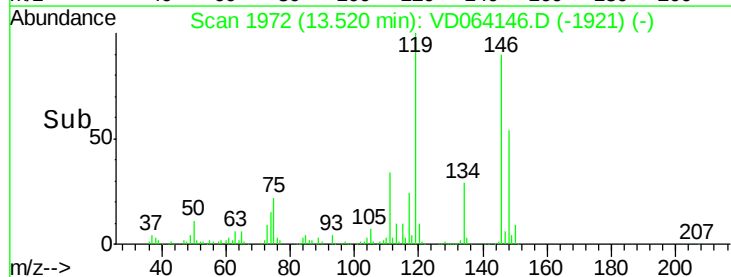
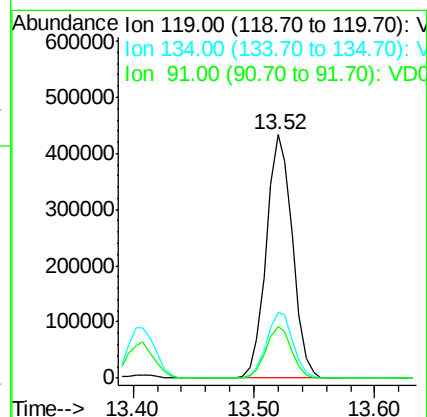
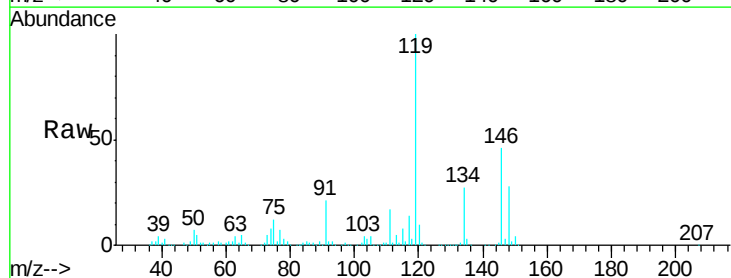
Tgt Ion:119 Resp: 653517

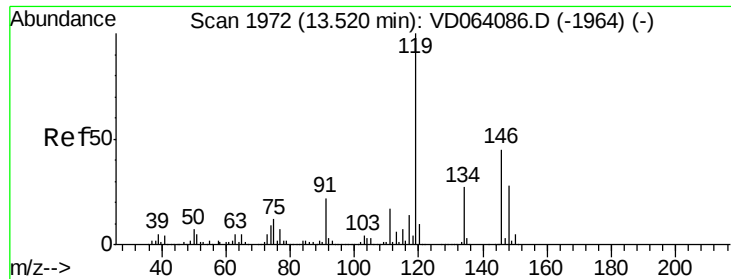
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

91 21.1 10.9 32.6

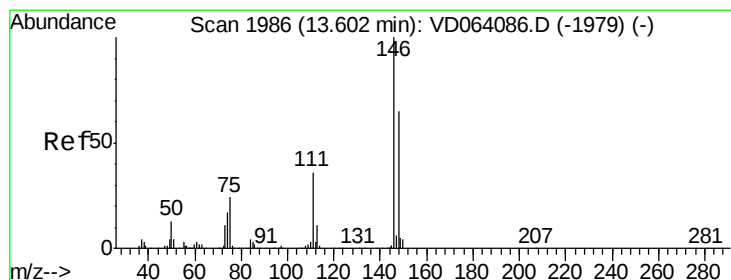
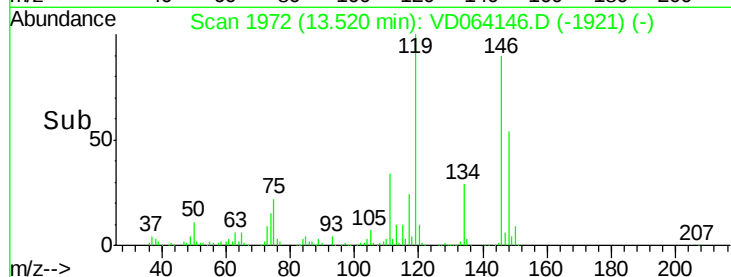
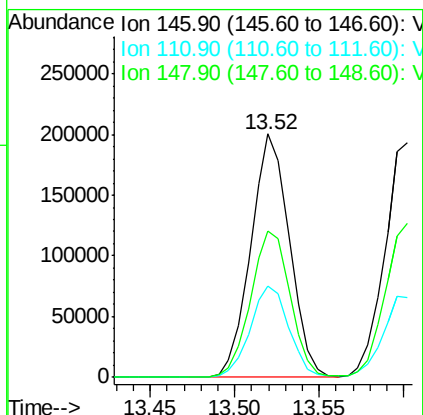
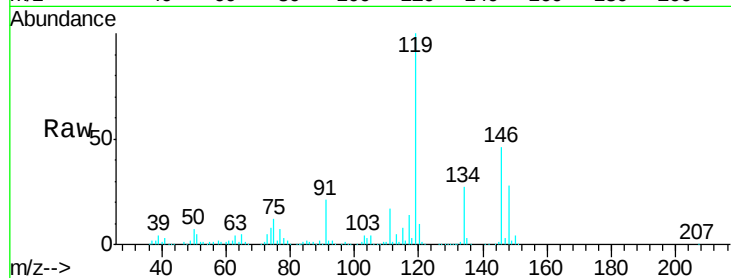




#87
 1,3-Dichlorobenzene
 Concen: 51.757 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

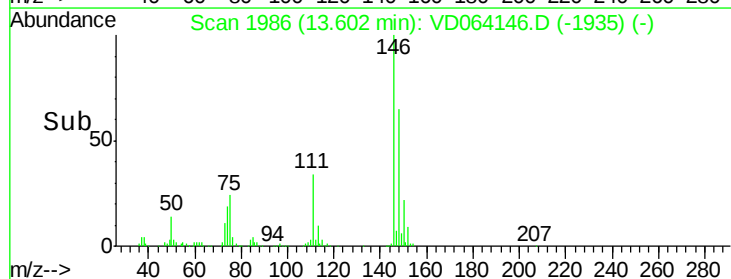
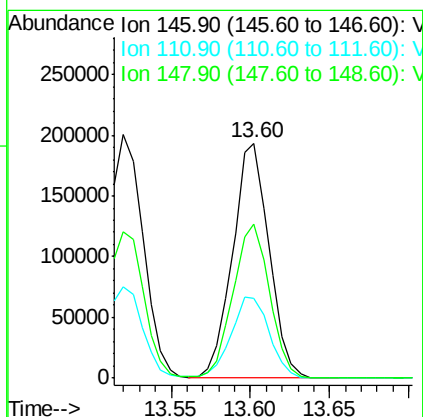
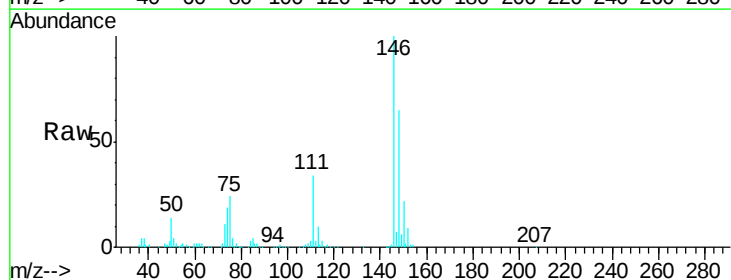
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

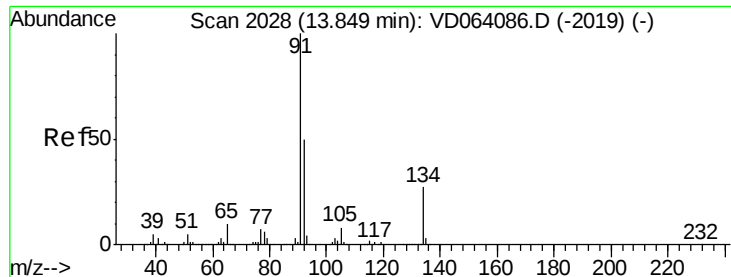
Tgt Ion:146 Resp: 319401
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.9
 148 61.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 50.887 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion:146 Resp: 309569
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.4 55.4
 148 65.5 32.4 97.0





#89

n-Butylbenzene

Concen: 52.010 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

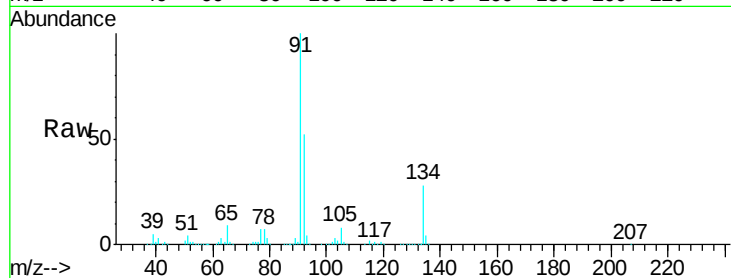
Tgt Ion: 91 Resp: 593458

Ion Ratio Lower Upper

91 100

92 52.6 25.6 76.6

134 28.2 14.0 42.0

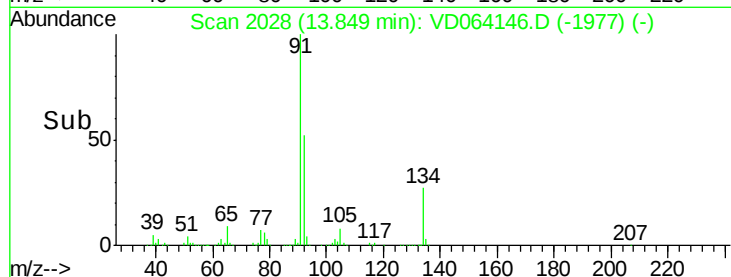


Abundance Ion 91.00 (90.70 to 91.70): VDC

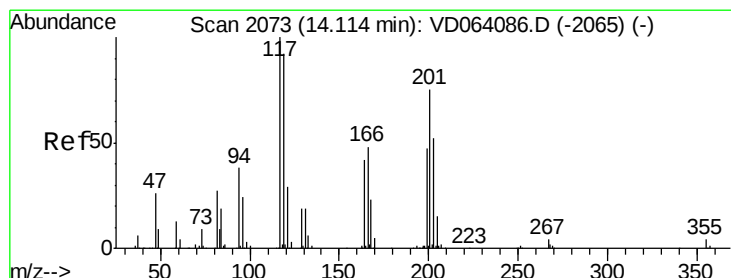
Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC

Time-->



Time-->



#90

Hexachloroethane

Concen: 50.230 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VD064146.D

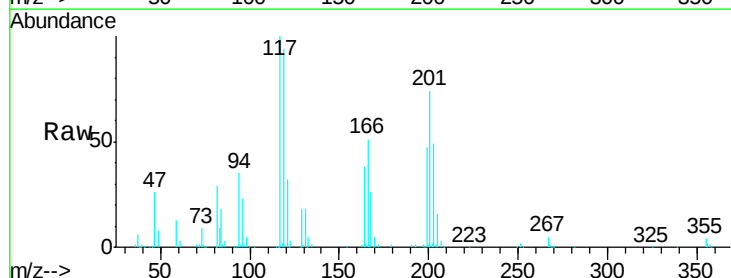
Acq: 01 Nov 2019 11:45

Tgt Ion: 117 Resp: 116338

Ion Ratio Lower Upper

117 100

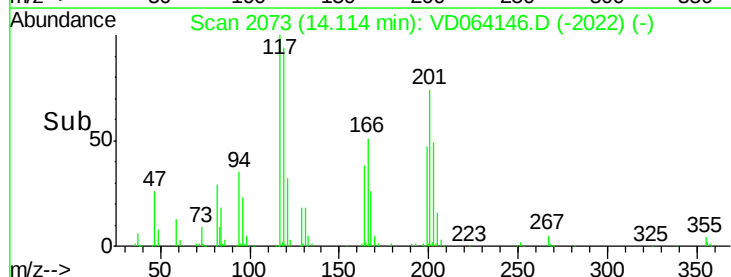
201 77.8 38.4 115.2



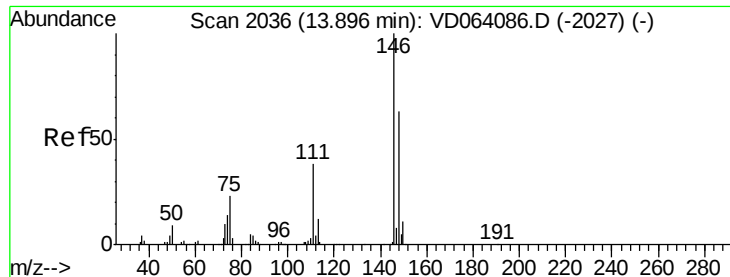
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

Time-->



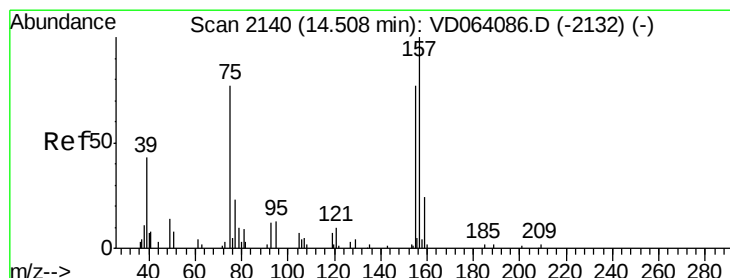
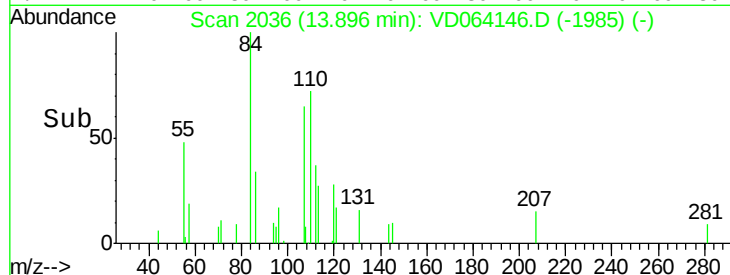
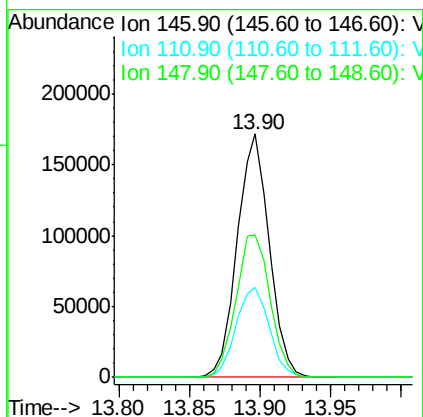
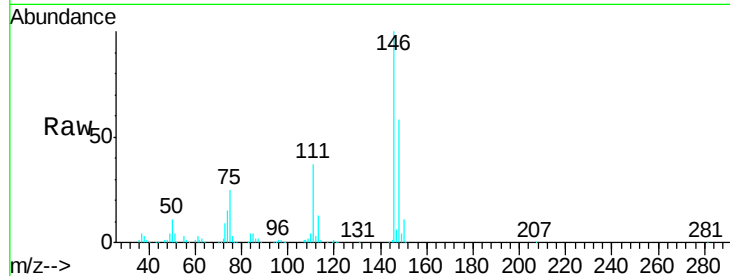
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 51.172 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

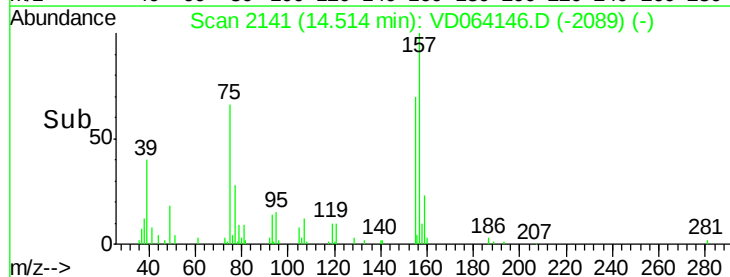
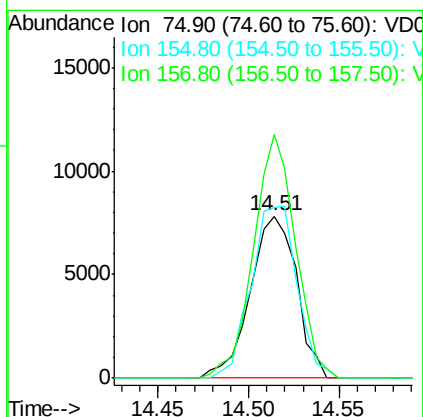
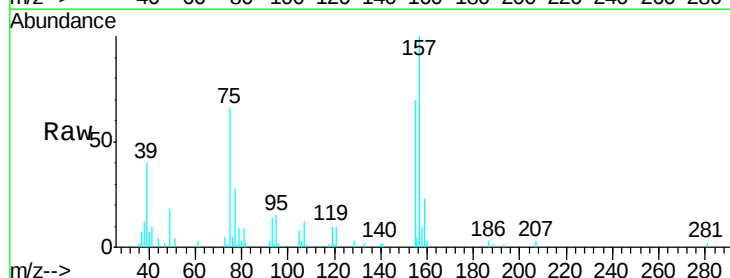
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

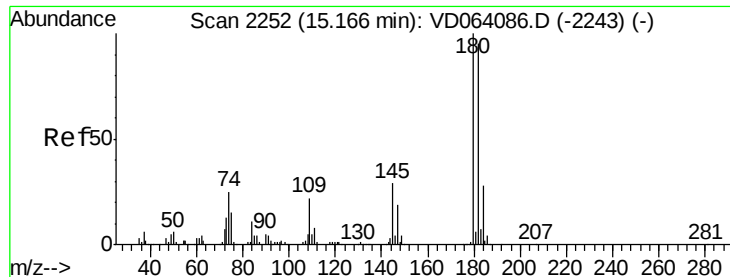
Tgt Ion: 146 Resp: 271775
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.1 57.1
 148 62.6 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.192 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion: 75 Resp: 13856
 Ion Ratio Lower Upper
 75 100
 155 105.8 56.3 168.9
 157 136.5 72.2 216.6

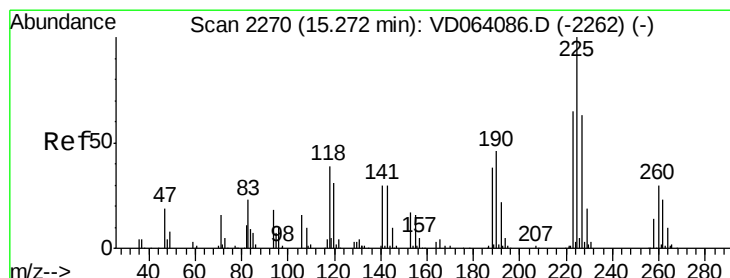
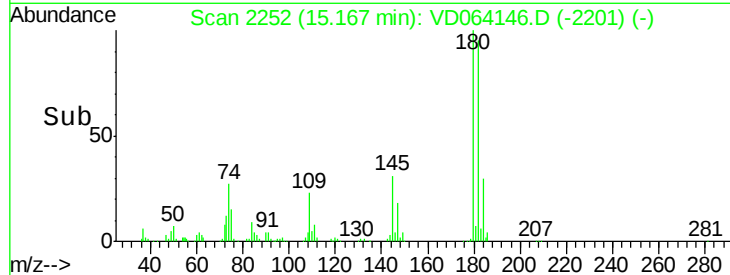
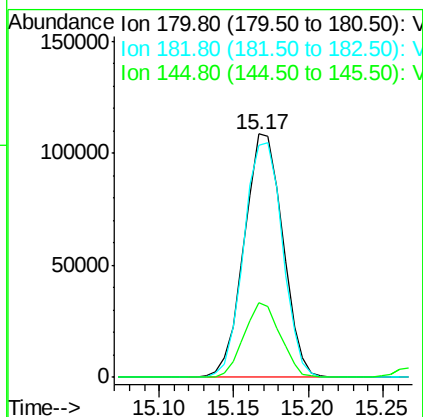
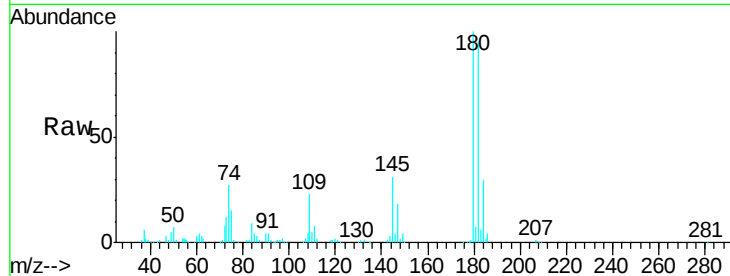




#93
 1,2,4-Trichlorobenzene
 Concen: 51.061 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

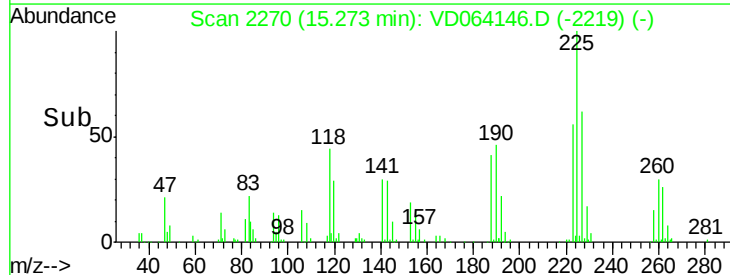
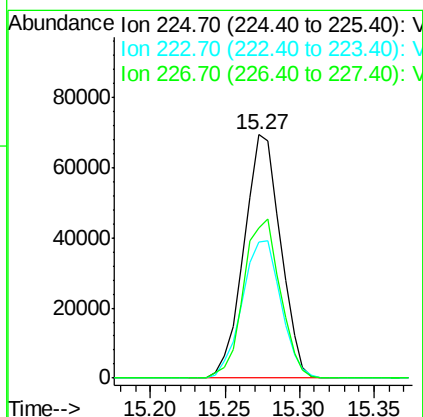
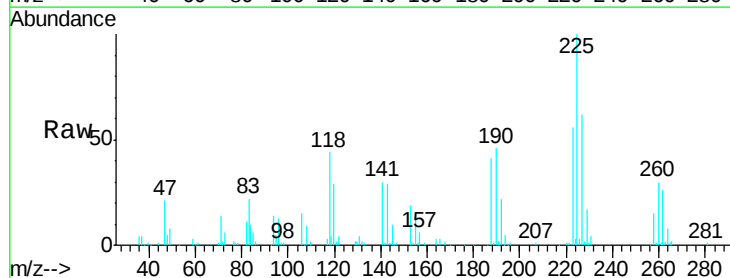
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

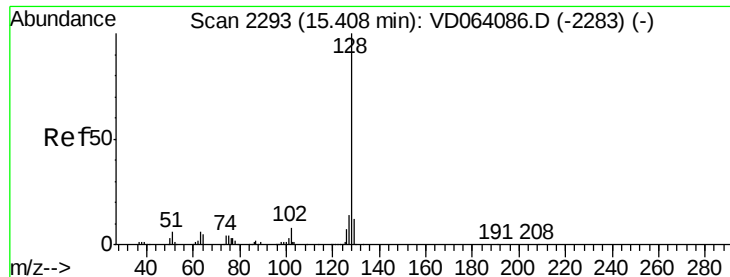
Tgt Ion:180 Resp: 194933
 Ion Ratio Lower Upper
 180 100
 182 96.2 46.9 140.7
 145 29.0 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 52.777 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064146.D
 Acq: 01 Nov 2019 11:45

Tgt Ion:225 Resp: 117759
 Ion Ratio Lower Upper
 225 100
 223 59.9 30.8 92.3
 227 65.2 31.7 95.1





#95

Naphthalene

Concen: 49.577 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

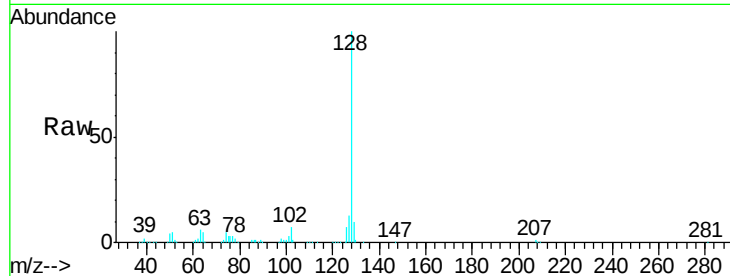
Tgt Ion:128 Resp: 308673

Ion Ratio Lower Upper

128 100

127 13.0 10.9 16.3

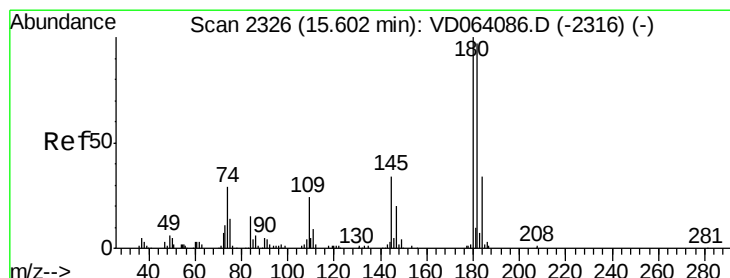
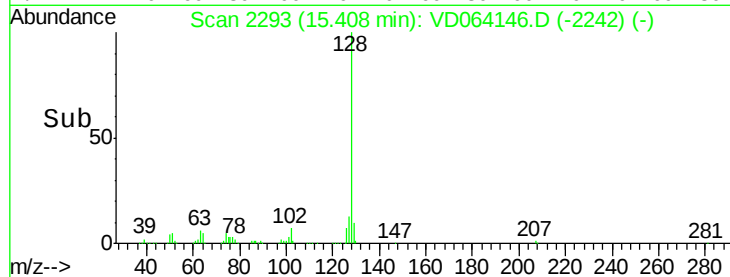
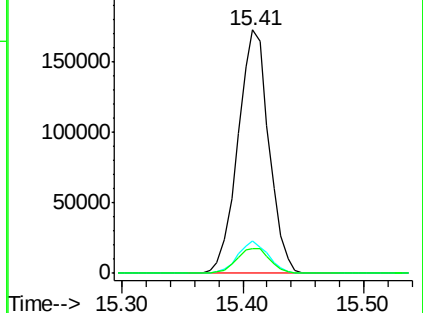
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.564 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

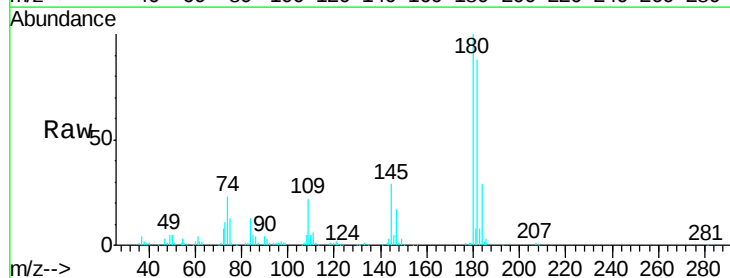
Tgt Ion:180 Resp: 163896

Ion Ratio Lower Upper

180 100

182 96.6 48.4 145.0

145 31.6 16.4 49.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

