

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065635.D
 Acq On : 15 Apr 2020 15:04
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 15 18:55:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	247493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	329712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	41557	17.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.68%	
35) Dibromofluoromethane	7.92	113	42630	17.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.66%	
50) Toluene-d8	10.34	98	160113	18.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.80%	
62) 4-Bromofluorobenzene	12.64	95	52235	18.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	38546	17.464	ug/l	98
3) Chloromethane	2.21	50	44355	16.464	ug/l	100
4) Vinyl Chloride	2.35	62	48707	19.092	ug/l	97
5) Bromomethane	2.75	94	25061	14.379	ug/l	95
6) Chloroethane	2.91	64	29592	18.840	ug/l	99
7) Trichlorofluoromethane	3.27	101	69560	18.073	ug/l	94
8) Diethyl Ether	3.70	74	14090	17.819	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	31241	13.154	ug/l	100
10) Methyl Iodide	4.29	142	35481	15.214	ug/l	100
11) Tert butyl alcohol	5.24	59	11638	103.797	ug/l	97
12) 1,1-Dichloroethene	4.06	96	27826	12.745	ug/l	93
13) Acrolein	3.92	56	7995	51.241	ug/l	100
14) Allyl chloride	4.71	41	41001	12.648	ug/l	99
15) Acrylonitrile	5.43	53	43221	95.293	ug/l	99
16) Acetone	4.16	43	25710	63.673	ug/l	98
17) Carbon Disulfide	4.40	76	91644	12.623	ug/l	100
18) Methyl Acetate	4.72	43	15659	13.338	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	79631	18.520	ug/l	99
20) Methylene Chloride	4.96	84	32259	12.322	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	48743	19.640	ug/l	96
22) Diisopropyl ether	6.37	45	133520	19.771	ug/l	96
23) Vinyl Acetate	6.31	43	331992	92.169	ug/l	99
24) 1,1-Dichloroethane	6.26	63	82056	18.478	ug/l	98
25) 2-Butanone	7.22	43	51011	86.598	ug/l	95
26) 2,2-Dichloropropane	7.21	77	72079	18.223	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	50309	18.560	ug/l	98
28) Bromochloromethane	7.55	49	34078	18.886	ug/l	98
29) Tetrahydrofuran	7.57	42	33662	90.350	ug/l	98
30) Chloroform	7.71	83	85695	18.463	ug/l	100
31) Cyclohexane	7.98	56	77132	18.606	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	76609	18.351	ug/l	98
36) 1,1-Dichloropropene	8.11	75	67215	19.044	ug/l	99
37) Ethyl Acetate	7.30	43	26975	19.730	ug/l	97
38) Carbon Tetrachloride	8.10	117	72618	18.939	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065635.D
 Acq On : 15 Apr 2020 15:04
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 15 18:55:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	75474	18.891	ug/l	97
40) Benzene	8.36	78	191757	18.958	ug/l	99
41) Methacrylonitrile	7.53	41	14035	18.117	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	52794	18.456	ug/l	99
43) Isopropyl Acetate	8.46	43	45440	18.453	ug/l	99
44) Trichloroethene	9.11	130	54667	18.919	ug/l	95
45) 1,2-Dichloropropane	9.39	63	48195	19.418	ug/l	99
46) Dibromomethane	9.48	93	24212	18.099	ug/l	99
47) Bromodichloromethane	9.67	83	64843	18.574	ug/l	94
48) Methyl methacrylate	9.46	41	21564	18.364	ug/l	96
49) 1,4-Dioxane	9.47	88	5231	359.537	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	114453	89.491	ug/l	100
52) Toluene	10.41	92	120900	18.964	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	57453	18.344	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	71452	18.760	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	35262	18.661	ug/l	98
56) Ethyl methacrylate	10.67	69	35516	18.559	ug/l	99
57) 1,3-Dichloropropane	10.95	76	57647	18.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	89296	89.636	ug/l	98
59) 2-Hexanone	10.99	43	77786	91.100	ug/l	97
60) Dibromochloromethane	11.14	129	45675	18.310	ug/l	98
61) 1,2-Dibromoethane	11.25	107	32423	18.042	ug/l	99
64) Tetrachloroethene	10.88	164	47983	18.731	ug/l	96
65) Chlorobenzene	11.67	112	131586	18.808	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	50470	18.958	ug/l	99
67) Ethyl Benzene	11.75	91	225135	19.533	ug/l	98
68) m/p-Xylenes	11.86	106	174891	38.597	ug/l	99
69) o-Xylene	12.18	106	74214	18.937	ug/l	98
70) Styrene	12.20	104	136685	19.705	ug/l	99
71) Bromoform	12.37	173	27880	18.331	ug/l #	96
73) Isopropylbenzene	12.48	105	206332	19.376	ug/l	99
74) N-amyl acetate	12.30	43	40192	18.398	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36094	18.009	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	46633	33.106	ug/l #	100
77) Bromobenzene	12.77	156	54531	18.550	ug/l	99
78) n-propylbenzene	12.83	91	255213	19.824	ug/l	100
79) 2-Chlorotoluene	12.91	91	142915	19.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	177463	19.663	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12131	20.185	ug/l	98
82) 4-Chlorotoluene	13.01	91	156485	19.601	ug/l	100
83) tert-Butylbenzene	13.23	119	143707	19.233	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	180478	20.175	ug/l	100
85) sec-Butylbenzene	13.41	105	211274	19.700	ug/l	99
86) p-Isopropyltoluene	13.53	119	193928	19.610	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	107976	18.965	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107059	18.817	ug/l	97
89) n-Butylbenzene	13.85	91	176305	19.673	ug/l	99
90) Hexachloroethane	14.12	117	41804	19.310	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	93013	19.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5571	17.876	ug/l	92

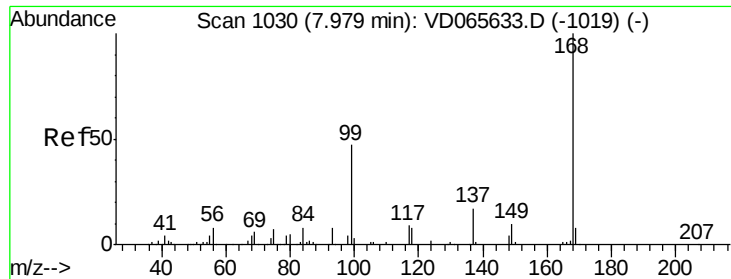
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041520\
Data File : VD065635.D
Acq On : 15 Apr 2020 15:04
Operator : VA/SY
Sample : VSTDICC020
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Quant Time: Apr 15 18:55:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 18:47:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	60417	18.812	ug/l	98
94) Hexachlorobutadiene	15.28	225	41914	18.824	ug/l	98
95) Naphthalene	15.41	128	83293	17.643	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	53890	19.159	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. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

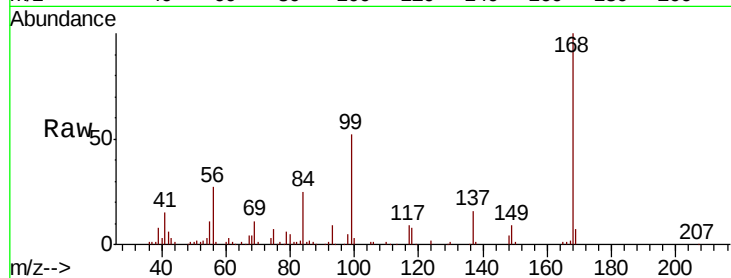
VSTDIC020

Tot Ion:168 Resp: 247493

Ion Ratio Lower Upper

168 100

99 51.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

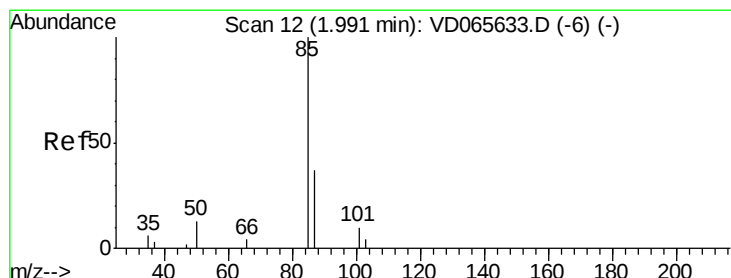
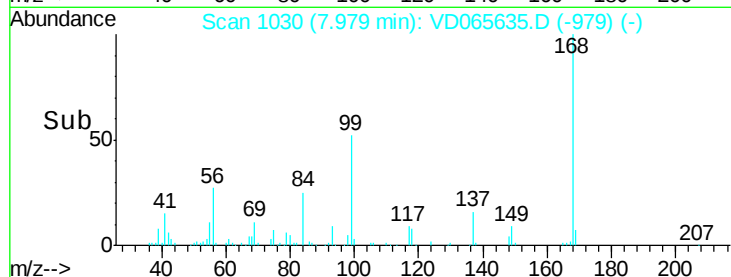
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.464 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065635.D

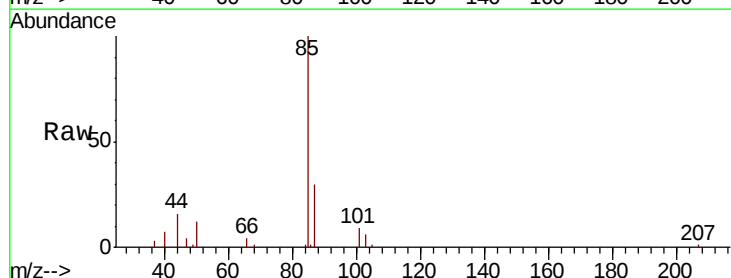
Acq: 15 Apr 2020 15:04

Tgt Ion: 85 Resp: 38546

Ion Ratio Lower Upper

85 100

87 30.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

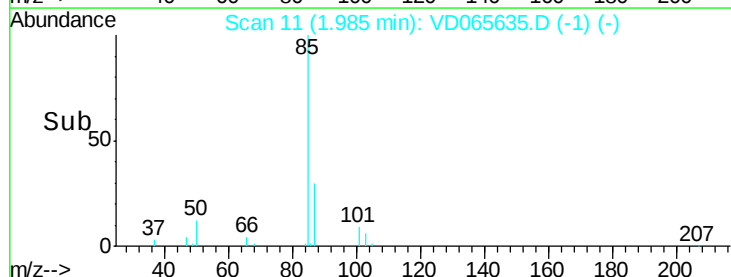
20000

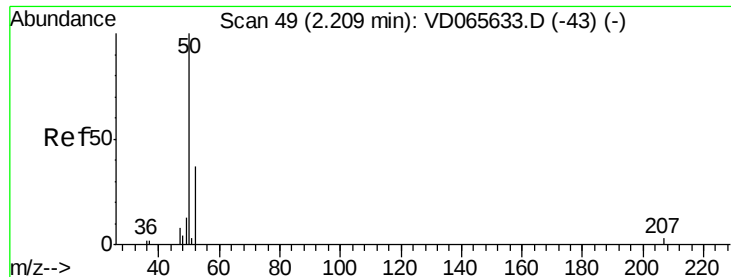
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 16.464 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

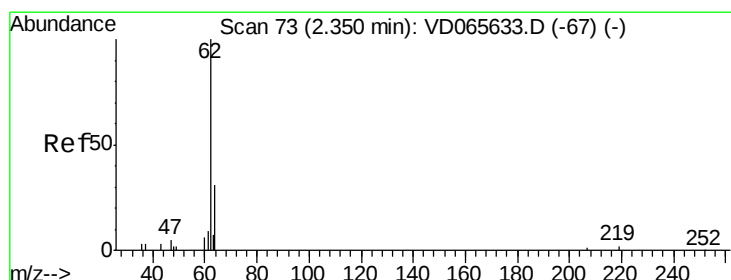
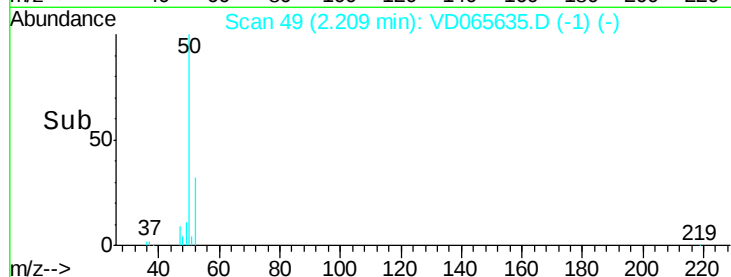
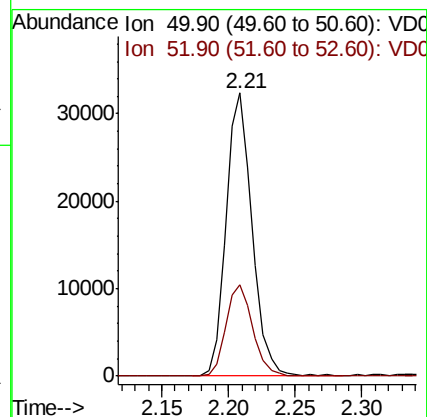
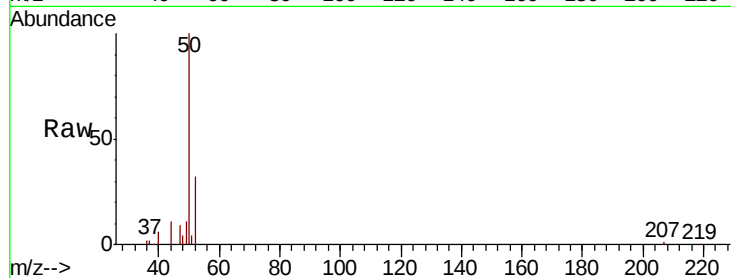
VSTDIC020

Tot Ion: 50 Resp: 44355

Ion Ratio Lower Upper

50 100

52 32.3 25.7 38.5



#4

Vinyl Chloride

Concen: 19.092 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065635.D

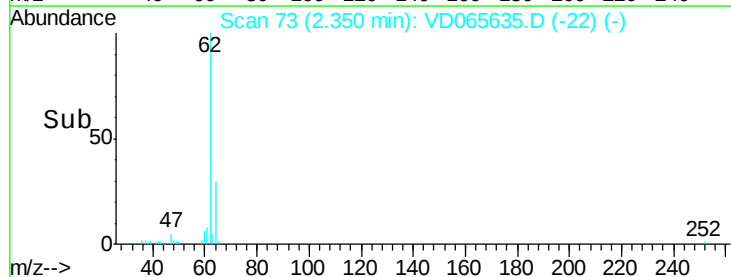
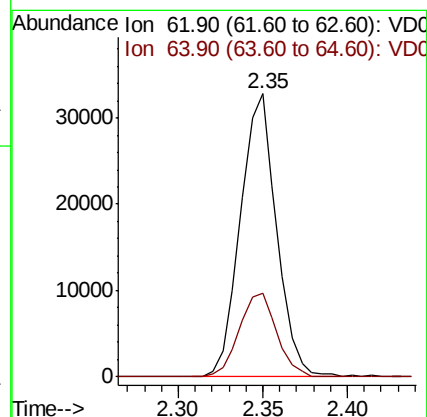
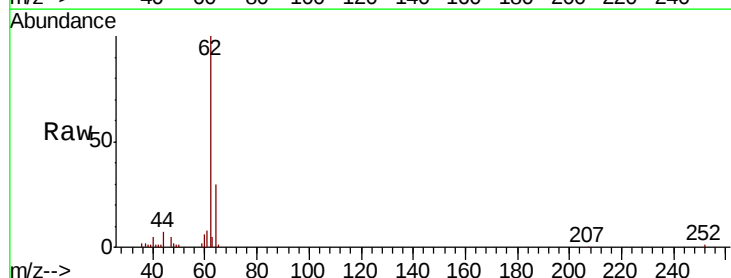
Acq: 15 Apr 2020 15:04

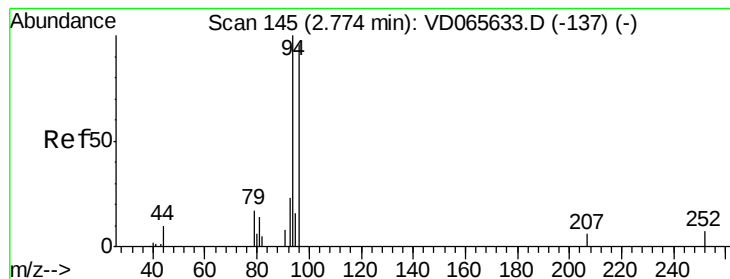
Tgt Ion: 62 Resp: 48707

Ion Ratio Lower Upper

62 100

64 29.6 25.1 37.7





#5

Bromomethane

Concen: 14.379 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

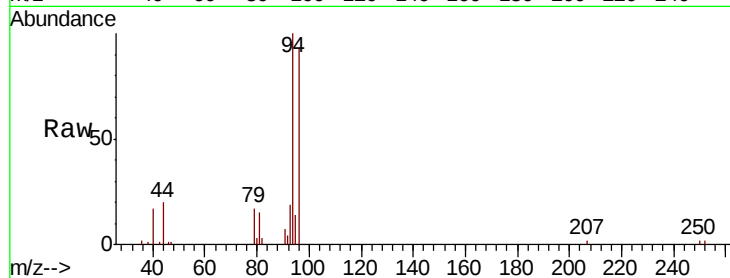
VSTDIC020

Tot Ion: 94 Resp: 25061

Ion Ratio Lower Upper

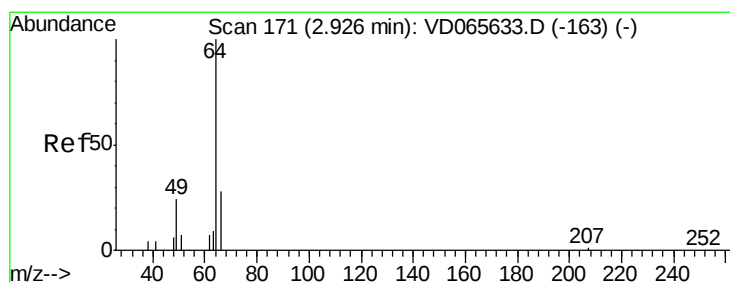
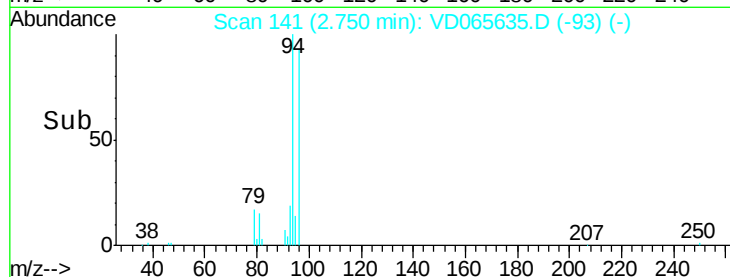
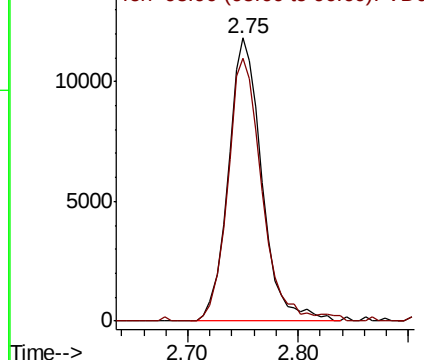
94 100

96 92.7 77.9 116.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.840 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065635.D

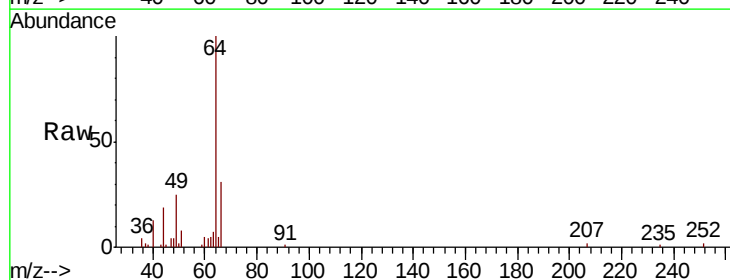
Acq: 15 Apr 2020 15:04

Tgt Ion: 64 Resp: 29592

Ion Ratio Lower Upper

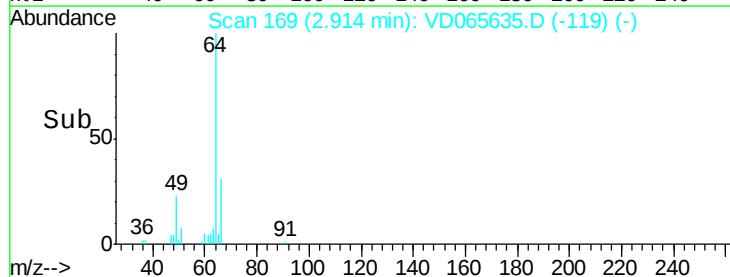
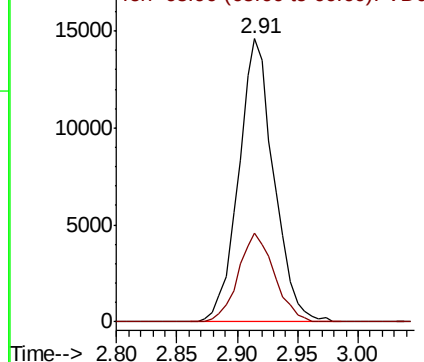
64 100

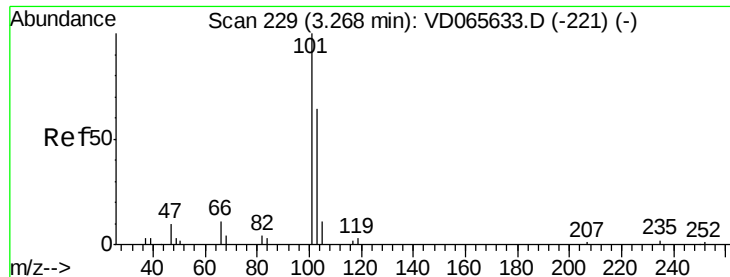
66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



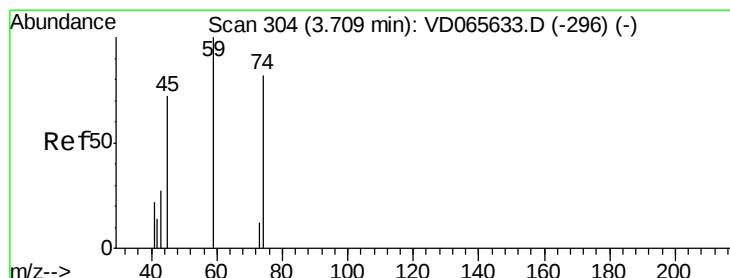
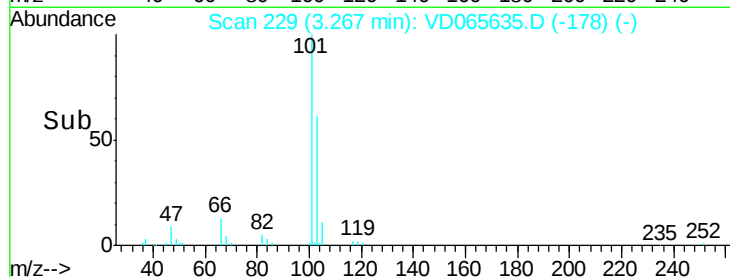
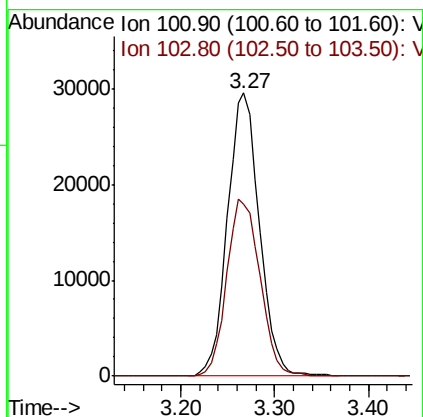
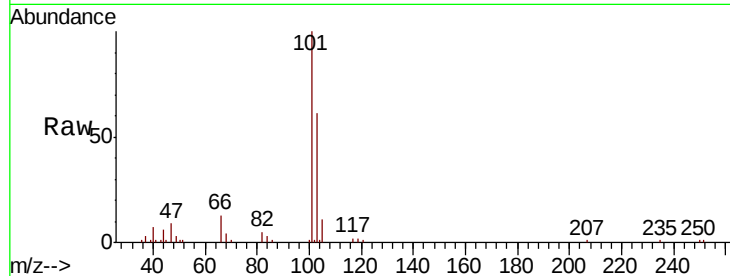


#7

Trichlorofluoromethane
 Concen: 18.073 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

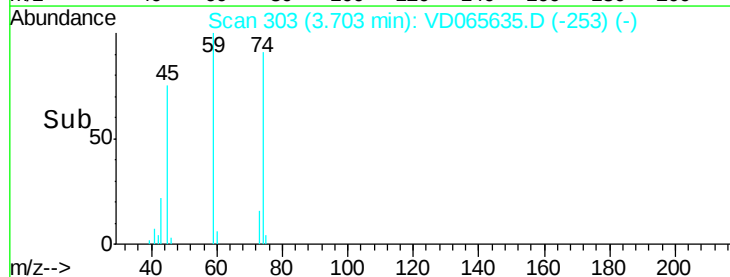
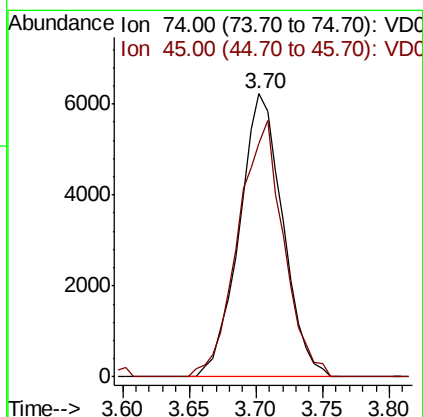
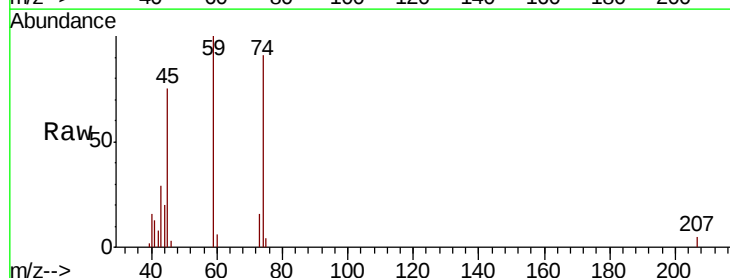
Tot Ion:101 Resp: 69560
 Ion Ratio Lower Upper
 101 100
 103 60.6 52.2 78.4

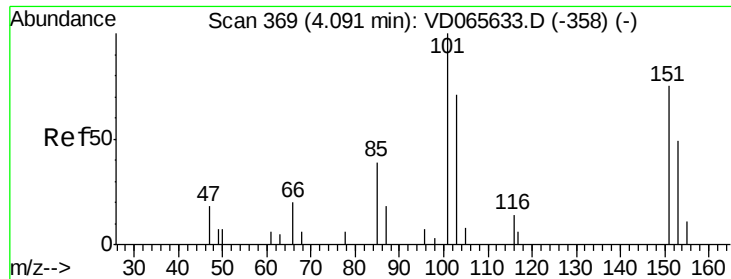


#8

Diethyl Ether
 Concen: 17.819 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion: 74 Resp: 14090
 Ion Ratio Lower Upper
 74 100
 45 94.2 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.154 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

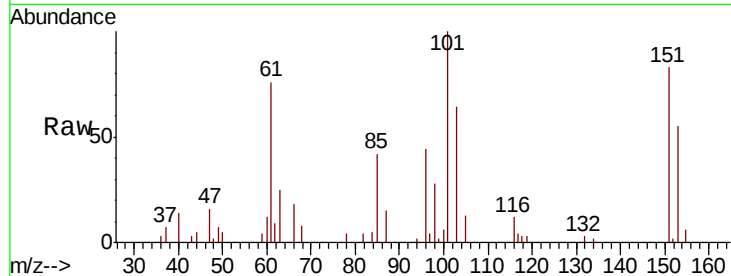
Tot Ion:101 Resp: 31241

Ion Ratio Lower Upper

101 100

85 45.0 36.2 54.2

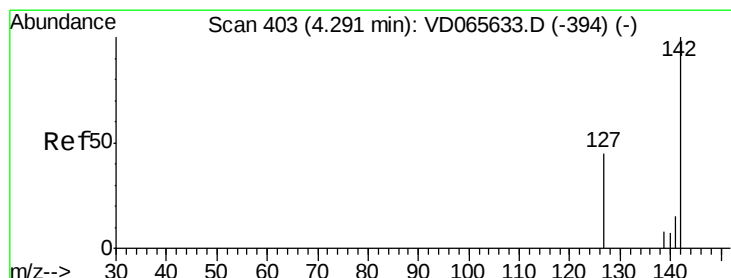
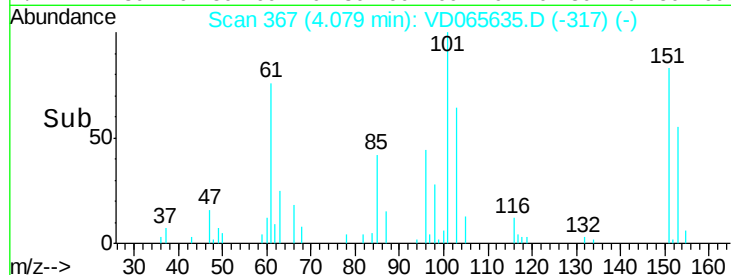
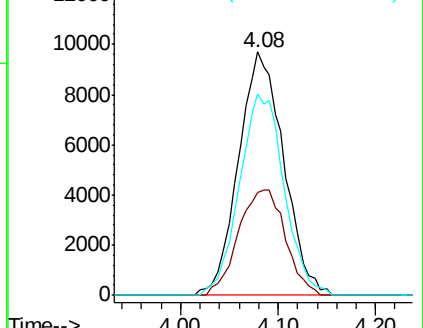
151 82.0 65.6 98.4



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: 15.214 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

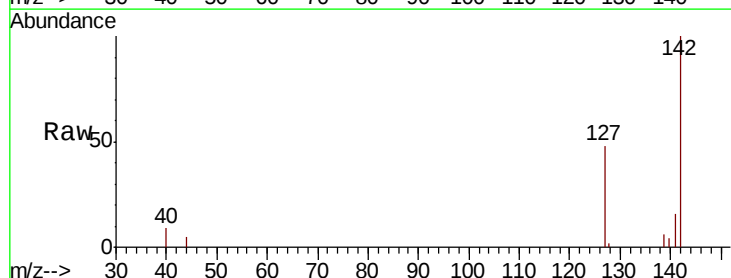
Tgt Ion:142 Resp: 35481

Ion Ratio Lower Upper

142 100

127 47.8 38.1 57.1

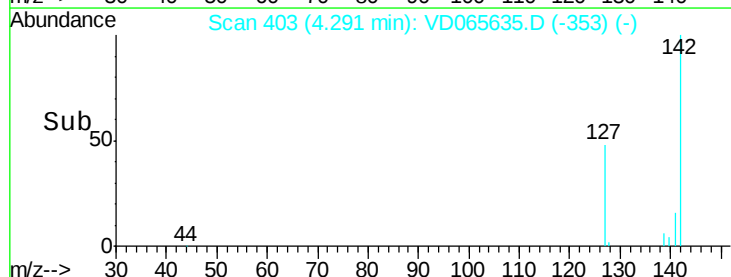
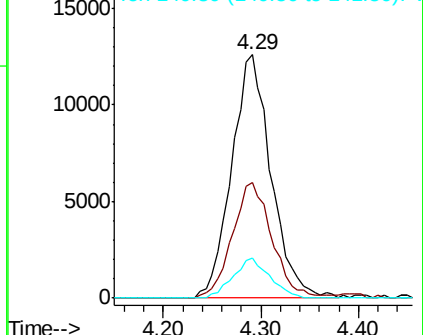
141 15.3 12.1 18.1

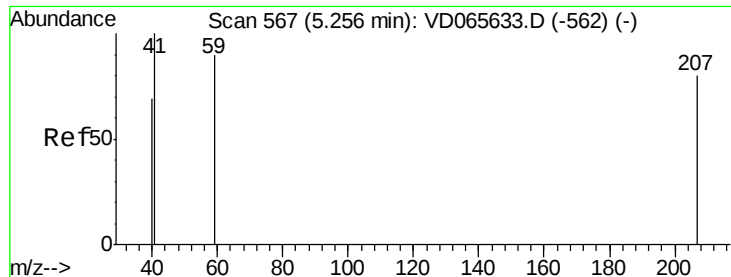


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

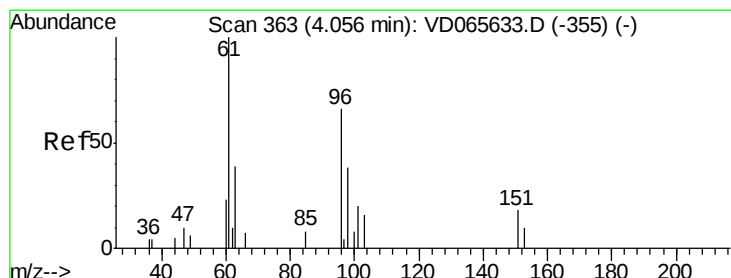
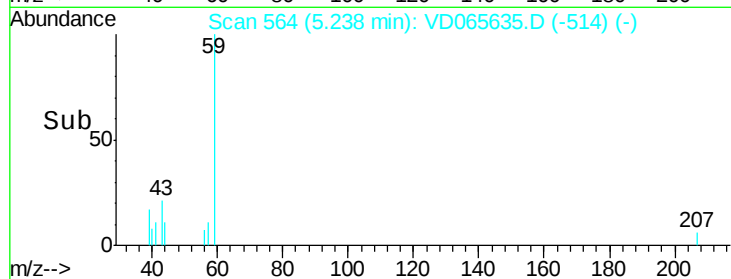
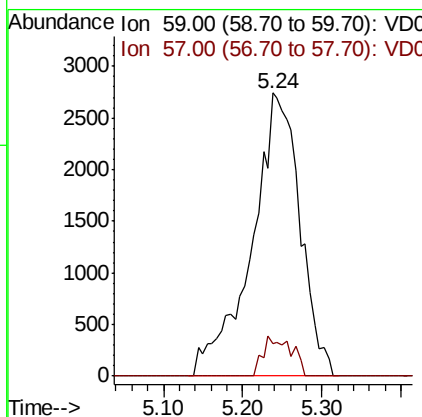
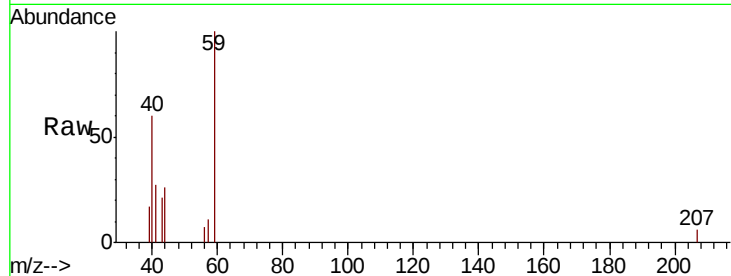




#11
Tert butyl alcohol
Concen: 103.797 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

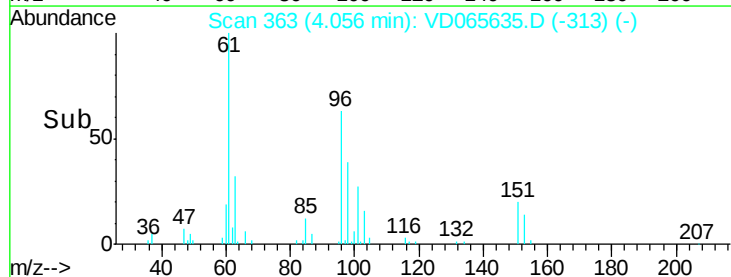
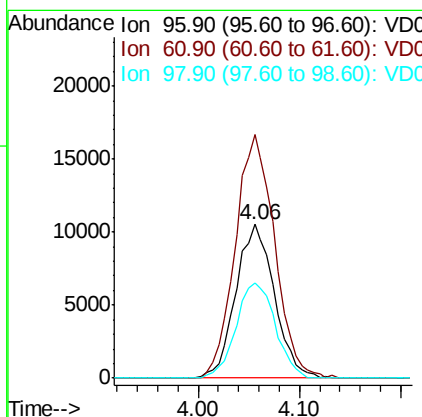
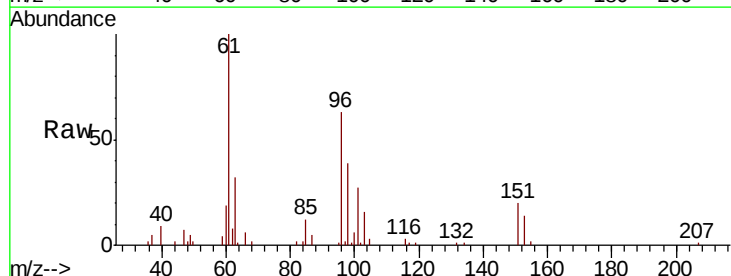
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

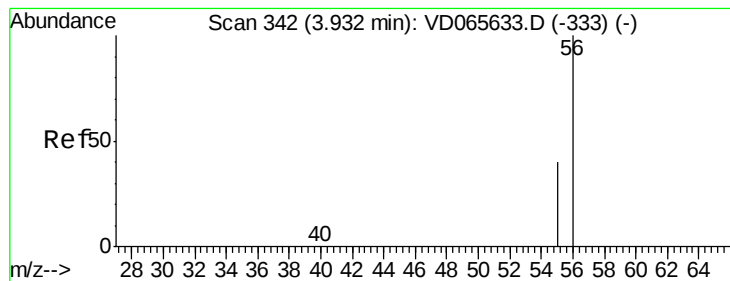
Tot Ion: 59 Resp: 11638
Ion Ratio Lower Upper
59 100
57 8.2 7.4 11.2



#12
1,1-Dichloroethene
Concen: 12.745 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 96 Resp: 27826
Ion Ratio Lower Upper
96 100
61 158.7 136.2 204.2
98 62.1 52.2 78.2





#13

Acrolein

Concen: 51.241 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

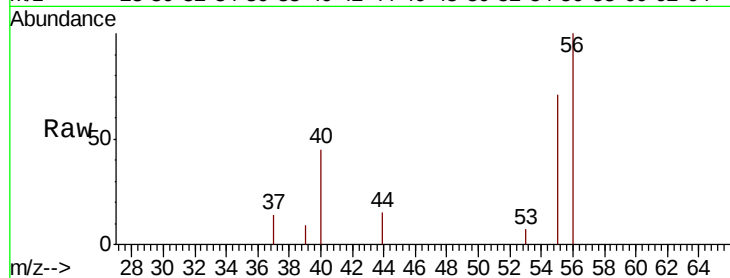
VSTDIC020

Tot Ion: 56 Resp: 7995

Ion Ratio Lower Upper

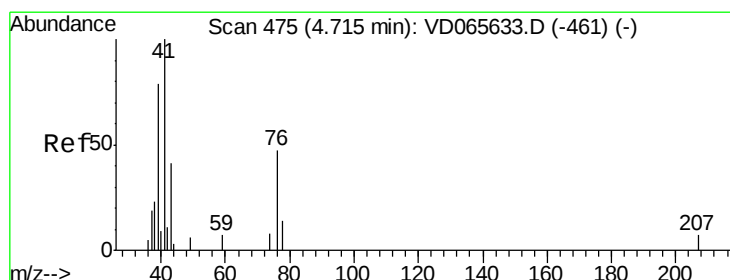
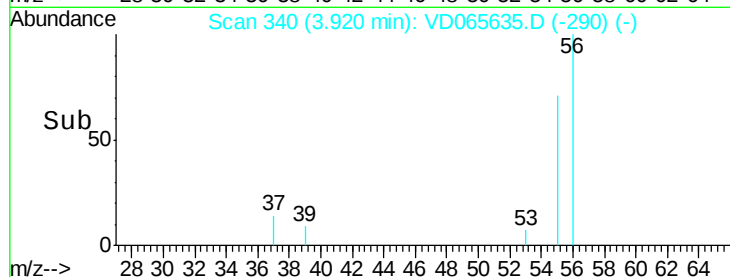
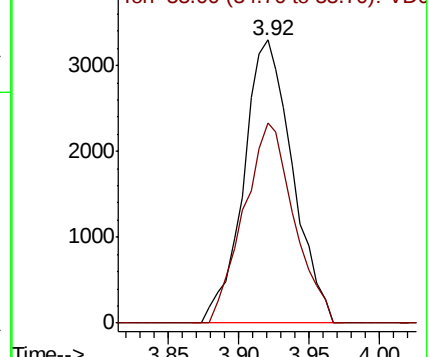
56 100

55 72.5 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 12.648 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

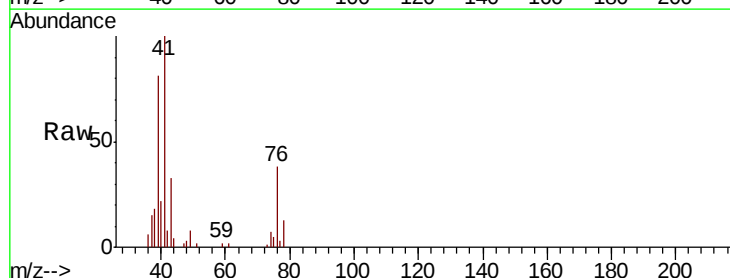
Tgt Ion: 41 Resp: 41001

Ion Ratio Lower Upper

41 100

39 80.0 62.5 93.7

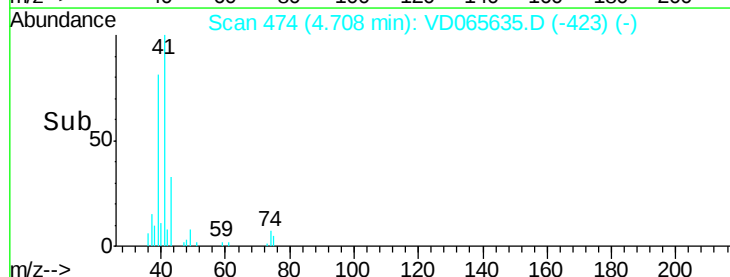
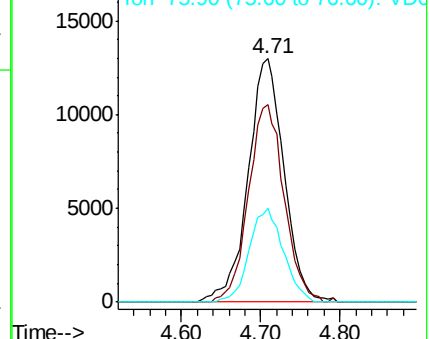
76 36.5 29.1 43.7

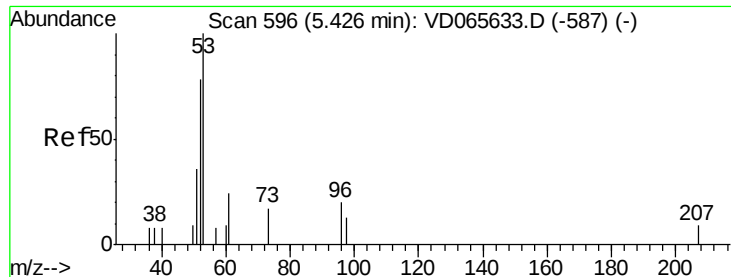


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 95.293 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

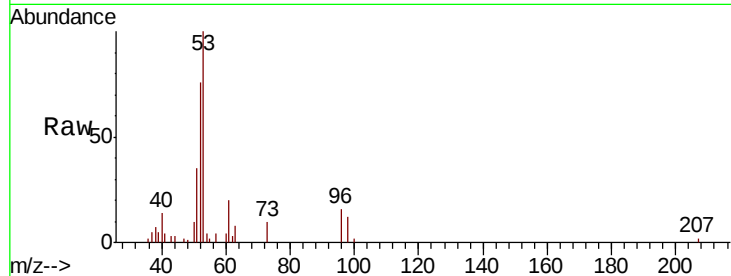
Tot Ion: 53 Resp: 43221

Ion Ratio Lower Upper

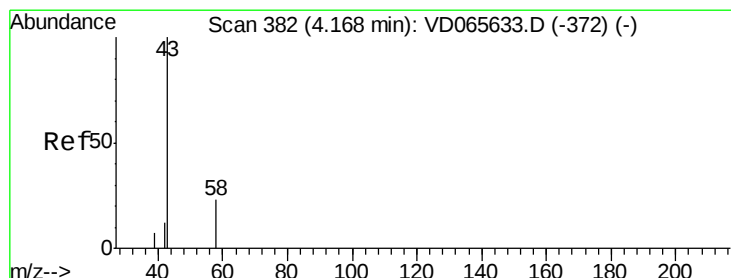
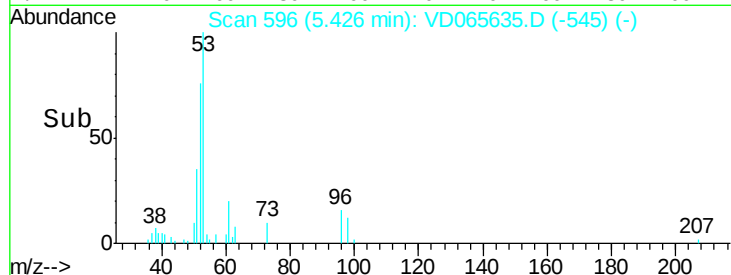
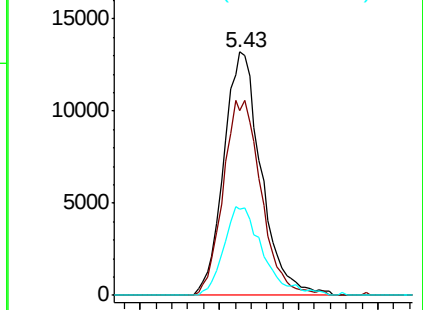
53 100

52 81.4 65.8 98.6

51 38.0 30.9 46.3



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: 63.673 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065635.D

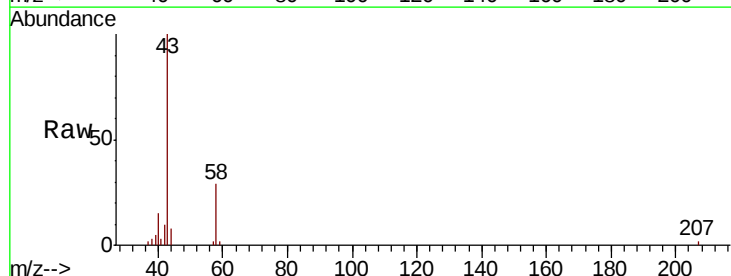
Acq: 15 Apr 2020 15:04

Tgt Ion: 43 Resp: 25710

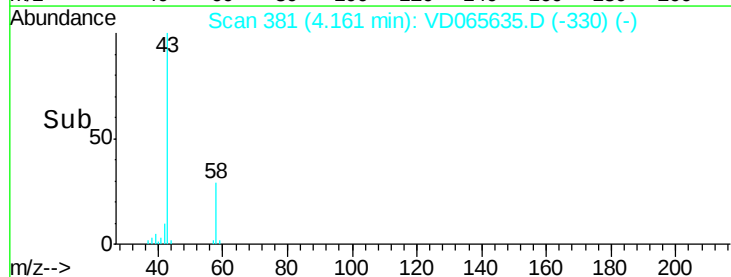
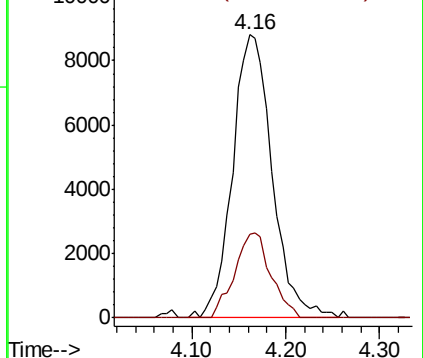
Ion Ratio Lower Upper

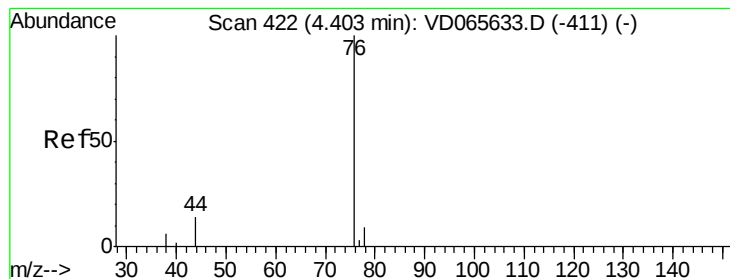
43 100

58 29.5 22.9 34.3



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





#17

Carbon Disulfide

Concen: 12.623 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

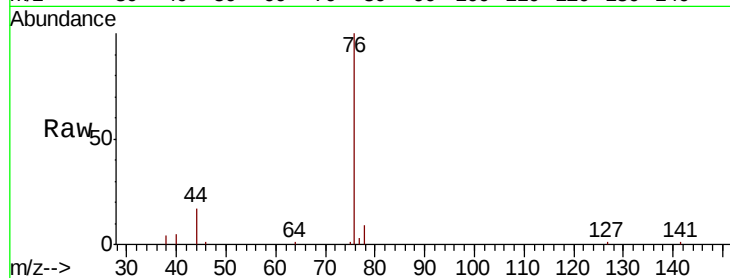
VSTDIC020

Tot Ion: 76 Resp: 91644

Ion Ratio Lower Upper

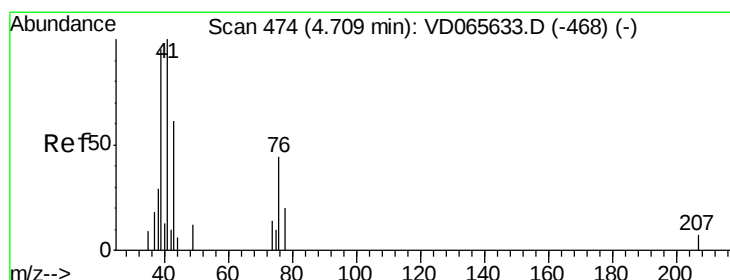
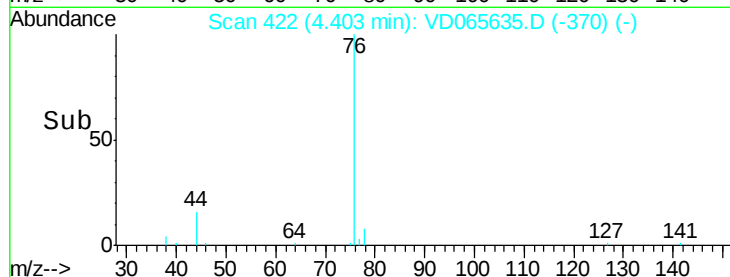
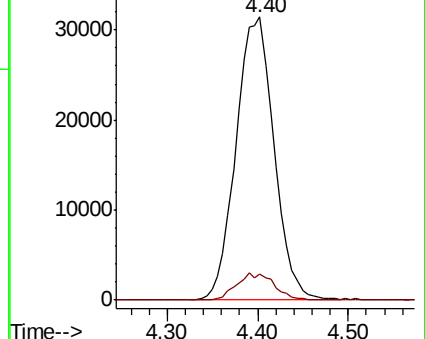
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 13.338 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065635.D

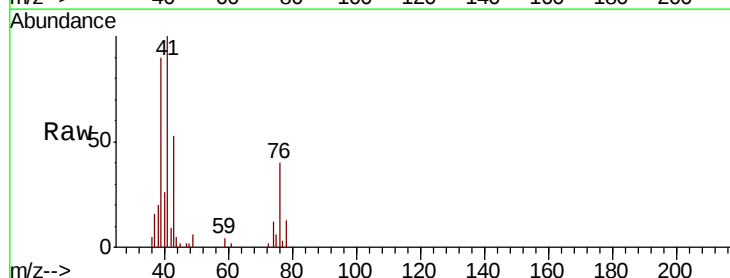
Acq: 15 Apr 2020 15:04

Tgt Ion: 43 Resp: 15659

Ion Ratio Lower Upper

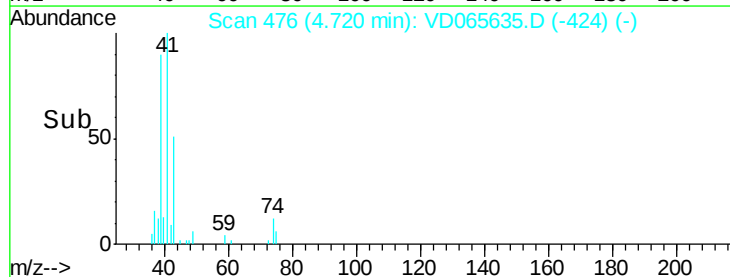
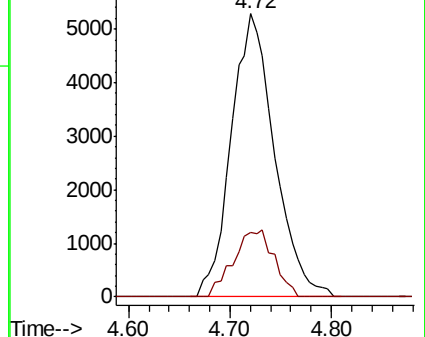
43 100

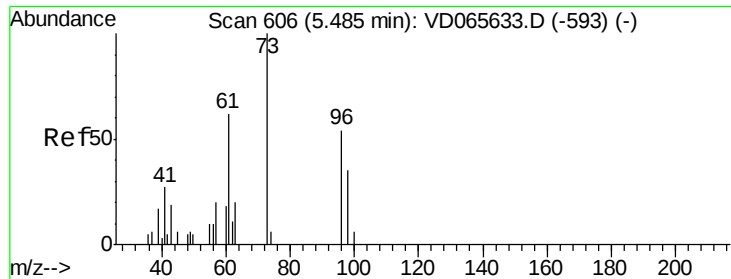
74 22.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



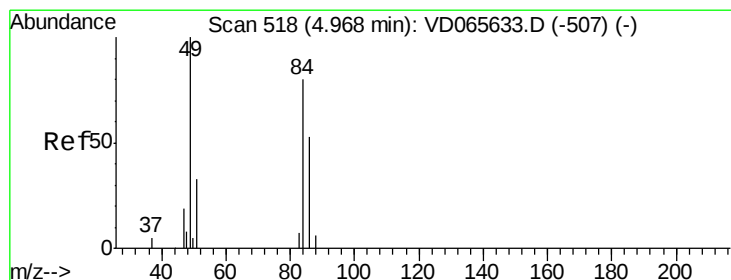
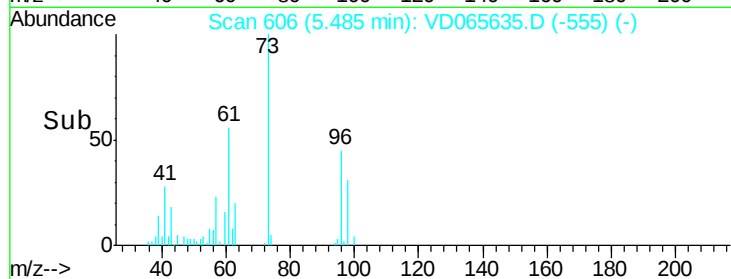
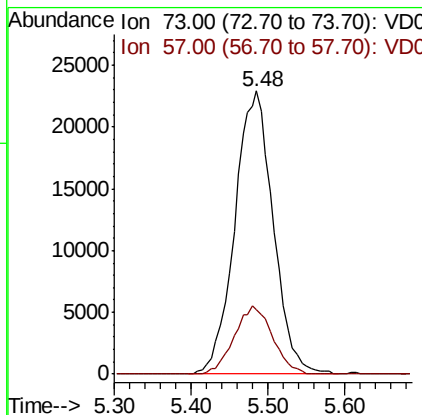
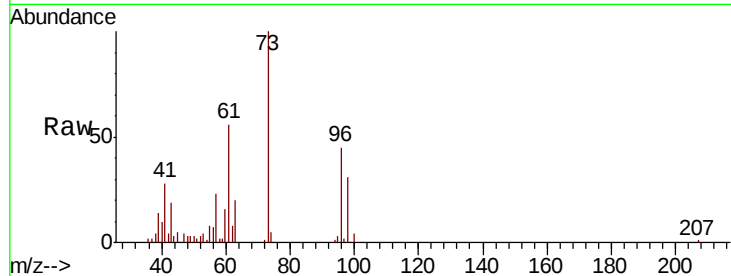


#19

Methyl tert-butyl Ether
 Concen: 18.520 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

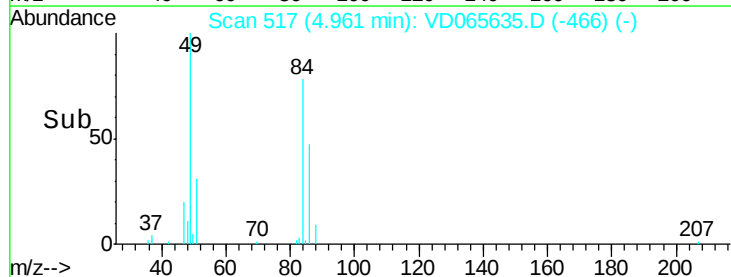
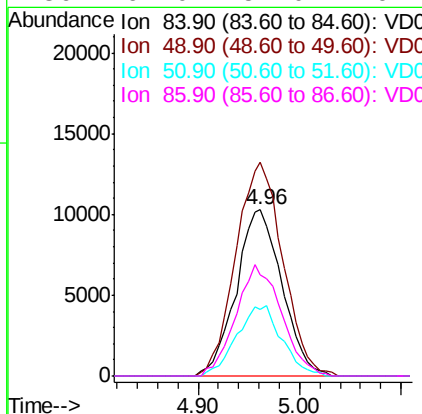
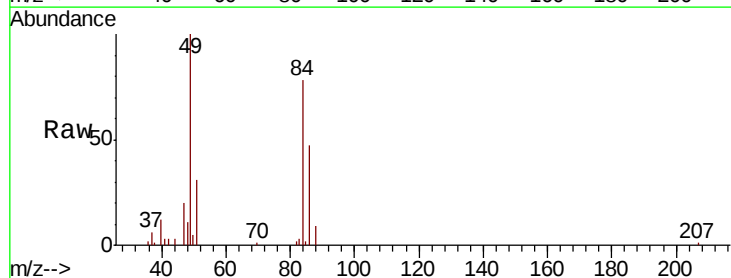
Tot Ion: 73 Resp: 79631
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.8 26.8

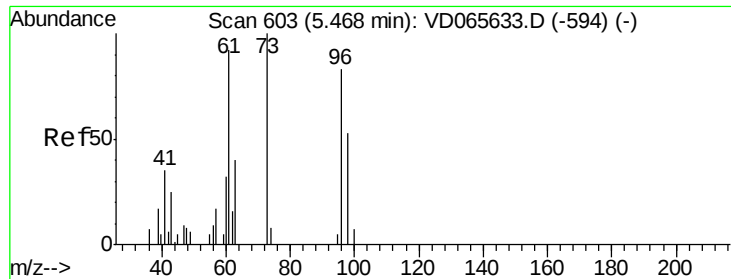


#20

Methylene Chloride
 Concen: 12.322 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion: 84 Resp: 32259
 Ion Ratio Lower Upper
 84 100
 49 128.4 102.0 153.0
 51 40.3 30.8 46.2
 86 61.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.640 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

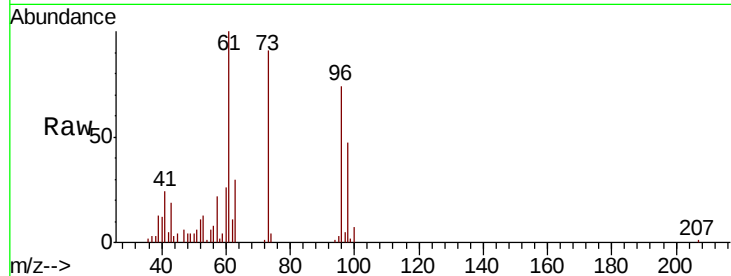
Tot Ion: 96 Resp: 48743

Ion Ratio Lower Upper

96 100

61 134.4 102.6 153.8

98 63.6 49.4 74.0

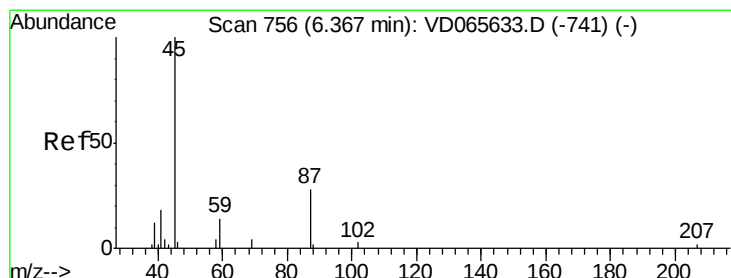
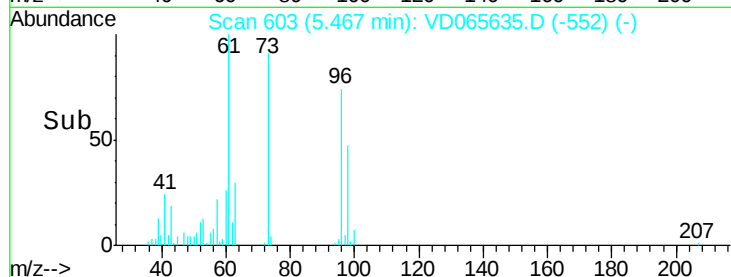
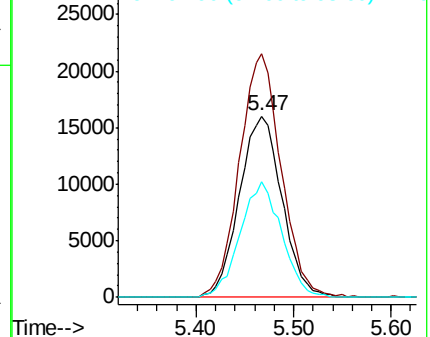


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.771 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tgt Ion: 45 Resp: 133520

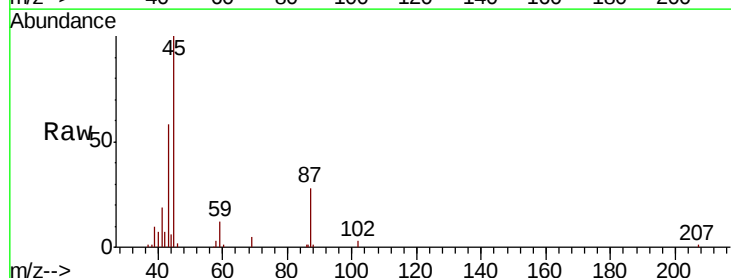
Ion Ratio Lower Upper

45 100

43 57.4 42.2 63.2

87 28.2 22.1 33.1

59 11.8 9.8 14.6



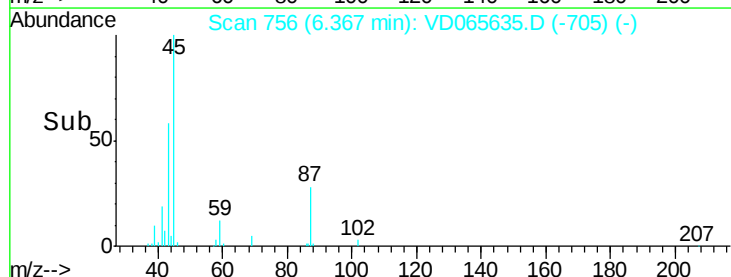
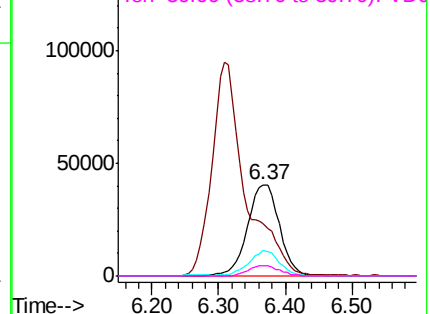
Abundance

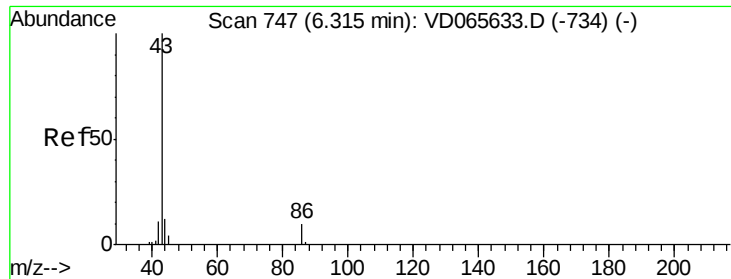
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 92.169 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

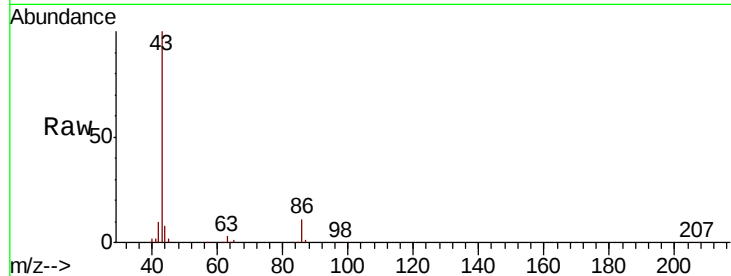
VSTDIC020

Tot Ion: 43 Resp: 331992

Ion Ratio Lower Upper

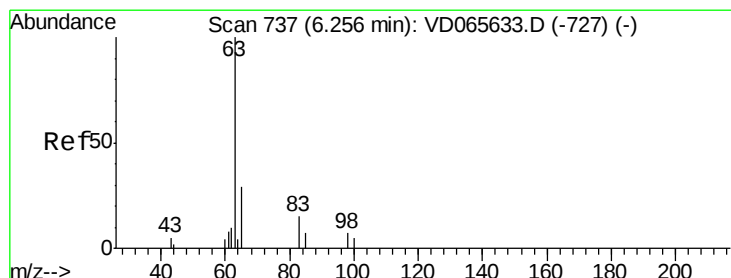
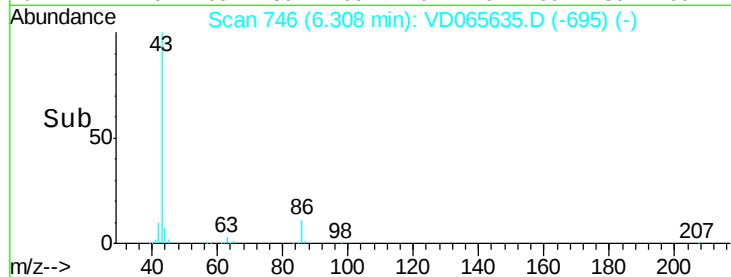
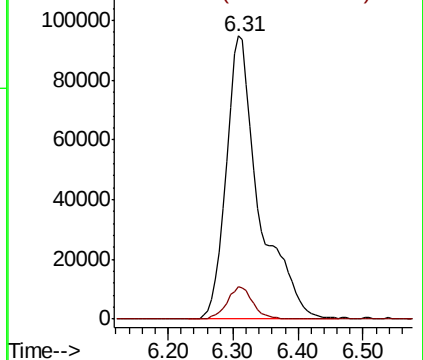
43 100

86 11.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.478 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

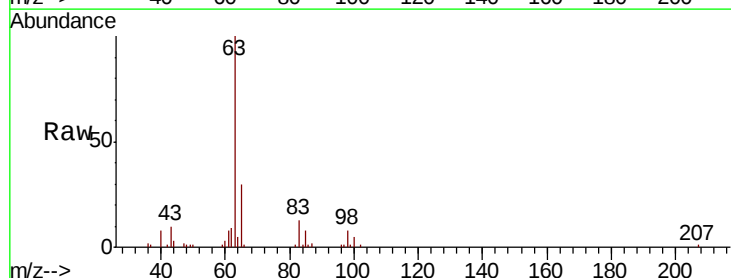
Tgt Ion: 63 Resp: 82056

Ion Ratio Lower Upper

63 100

98 8.2 3.6 10.8

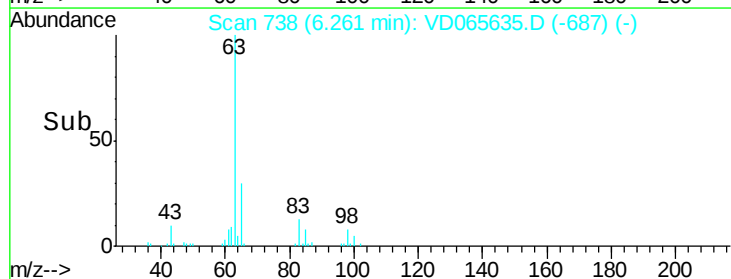
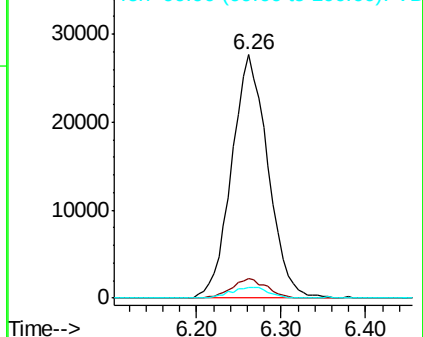
100 4.5 2.4 7.2

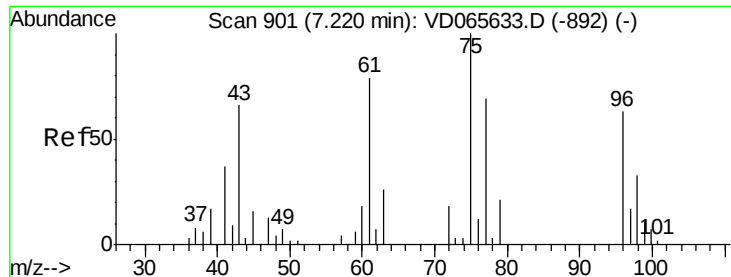


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 86.598 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

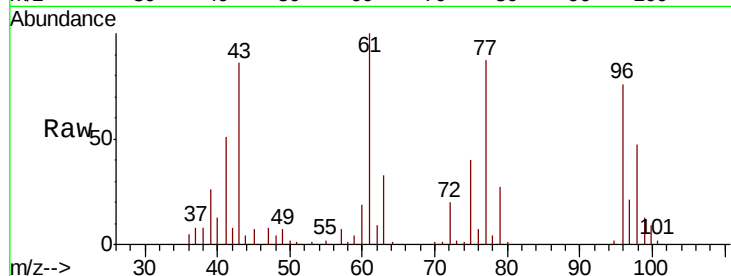
VSTDIC020

Tot Ion: 43 Resp: 51011

Ion Ratio Lower Upper

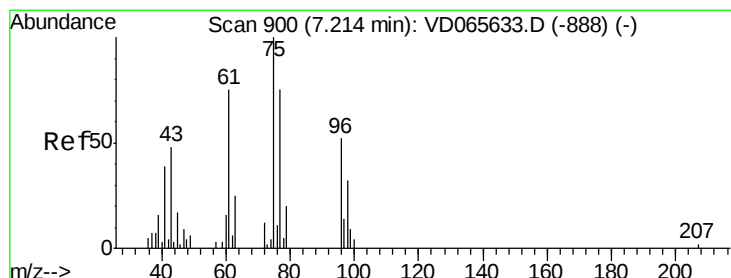
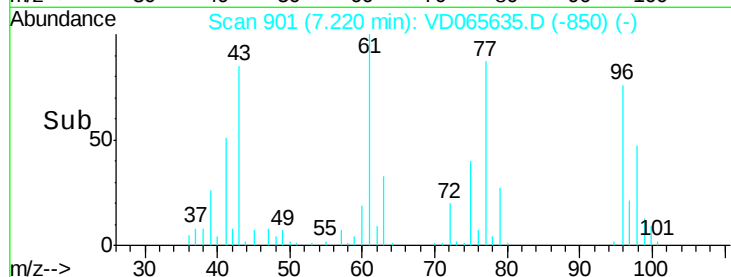
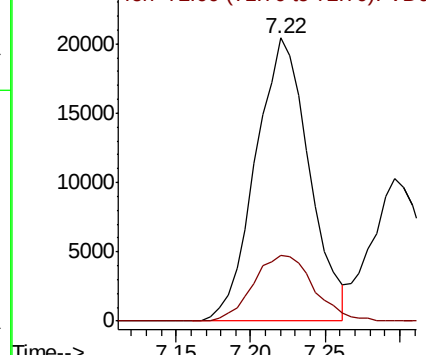
43 100

72 23.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.223 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065635.D

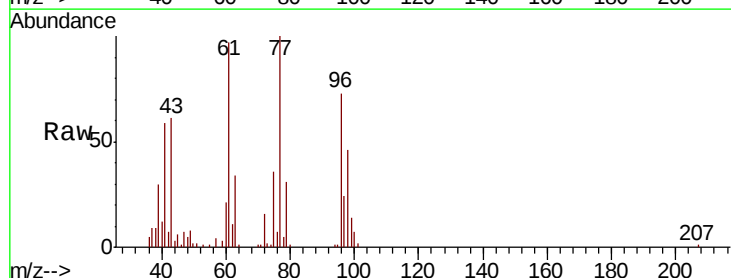
Acq: 15 Apr 2020 15:04

Tgt Ion: 77 Resp: 72079

Ion Ratio Lower Upper

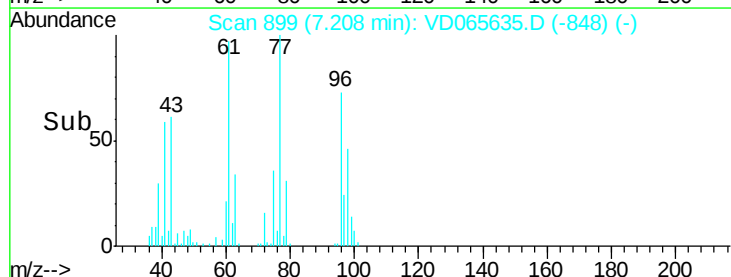
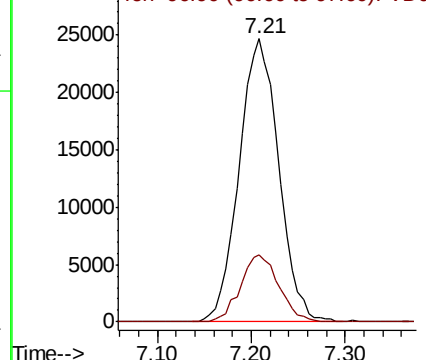
77 100

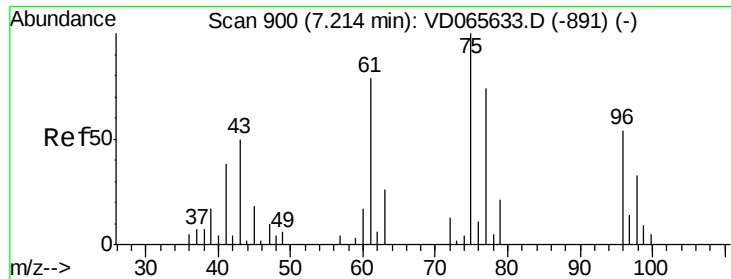
97 22.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



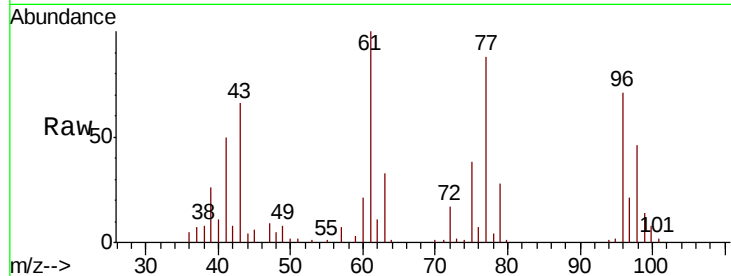


#27

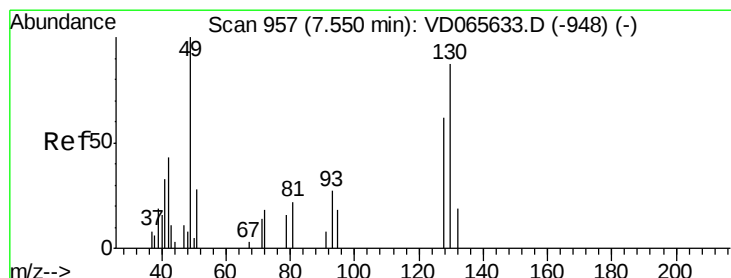
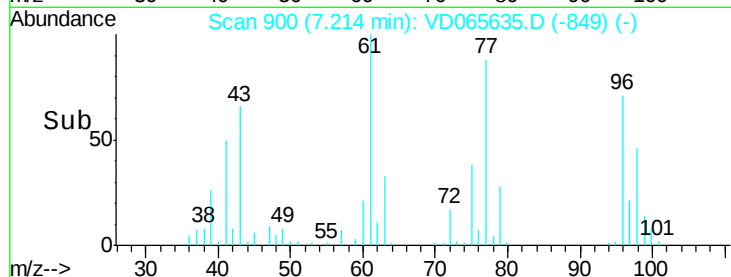
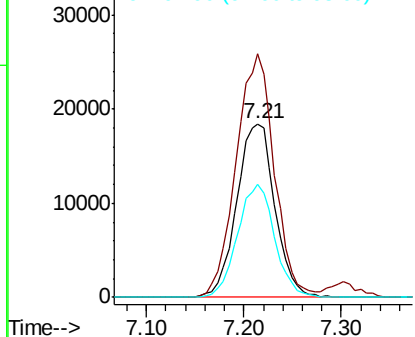
cis-1,2-Dichloroethene
Concen: 18.560 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 50309
Ion Ratio Lower Upper
96 100
61 140.1 0.0 286.2
98 63.3 0.0 128.0



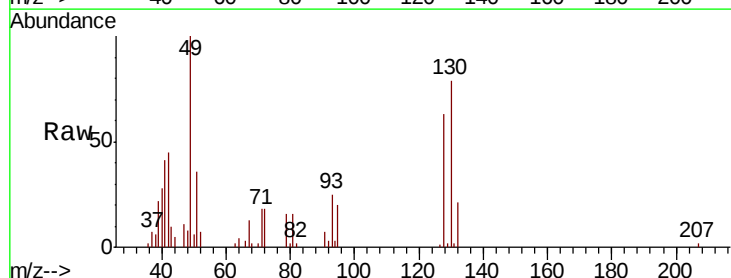
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



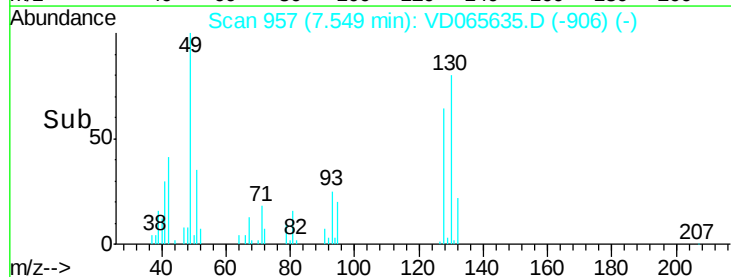
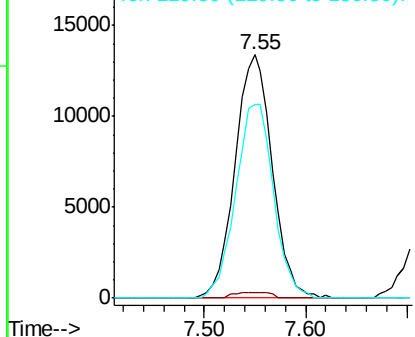
#28

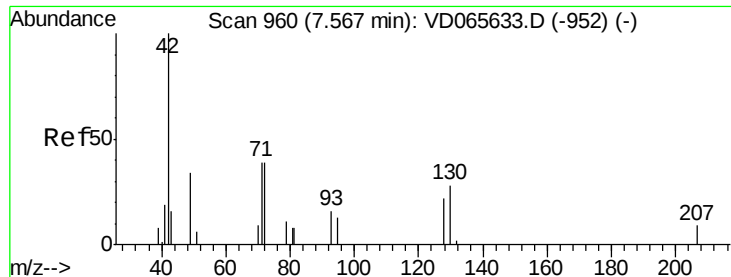
Bromochloromethane
Concen: 18.886 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 49 Resp: 34078
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.2
130 81.2 66.2 99.2



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

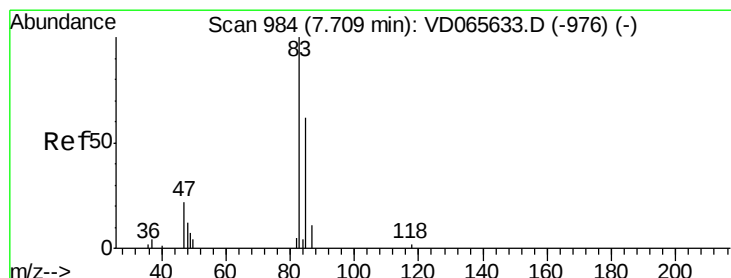
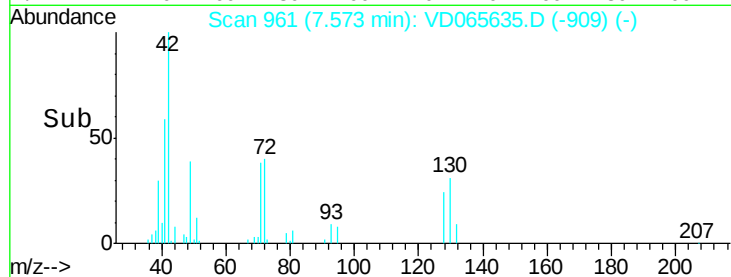
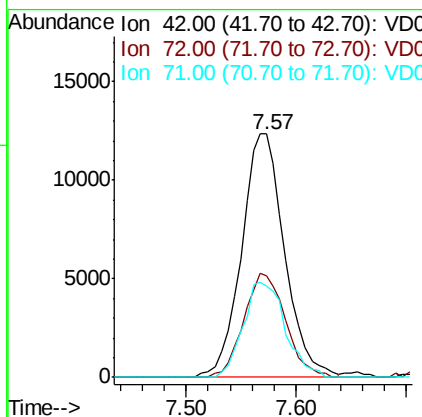
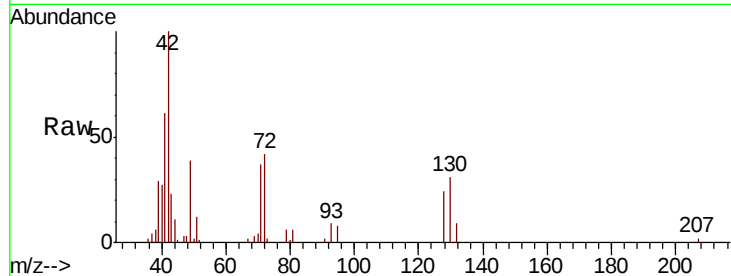




#29
Tetrahydrofuran
Concen: 90.350 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

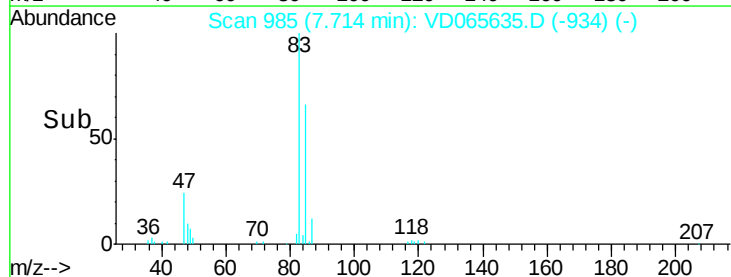
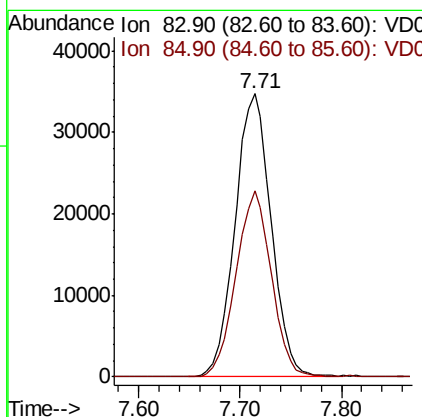
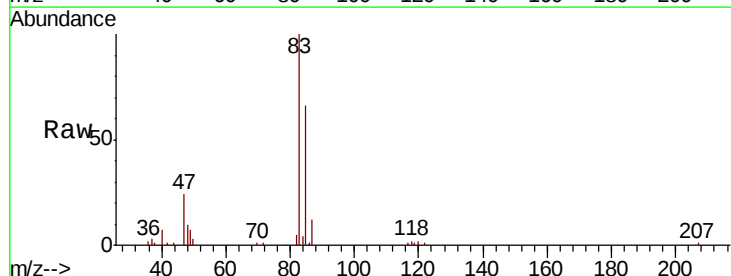
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

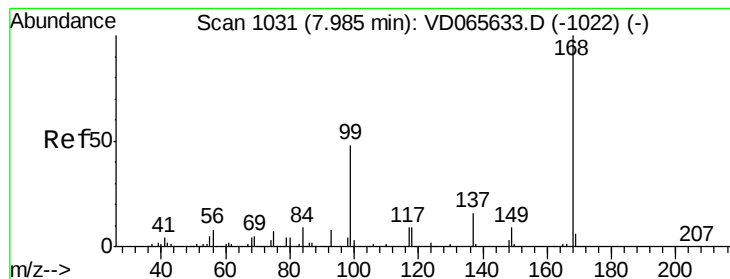
Tot Ion: 42 Resp: 33662
Ion Ratio Lower Upper
42 100
72 41.4 34.4 51.6
71 38.3 31.4 47.0



#30
Chloroform
Concen: 18.463 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 83 Resp: 85695
Ion Ratio Lower Upper
83 100
85 65.6 52.6 78.8





#31

Cyclohexane

Concen: 18.606 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

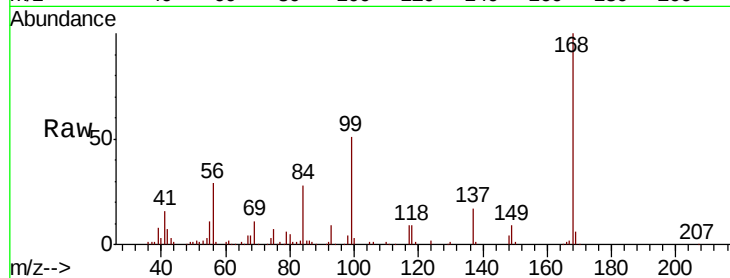
Tot Ion: 56 Resp: 77132

Ion Ratio Lower Upper

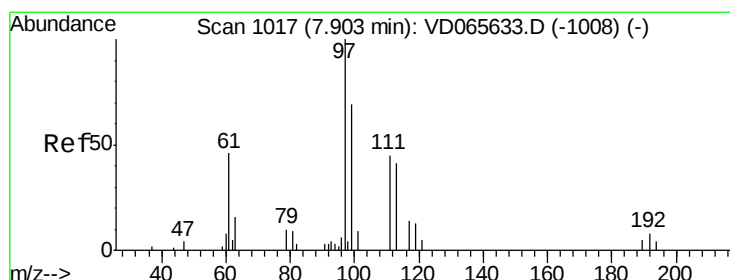
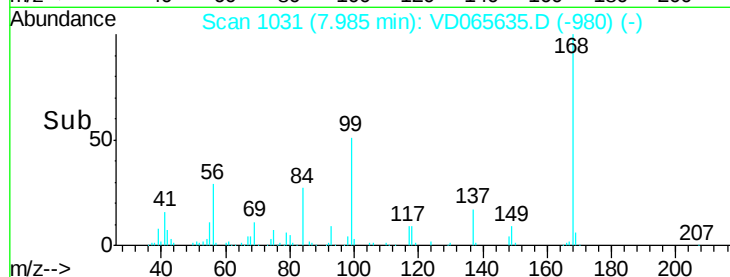
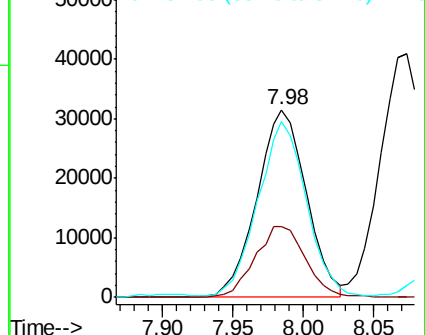
56 100

69 37.6 26.6 40.0

84 92.7 75.3 112.9



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: 18.351 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

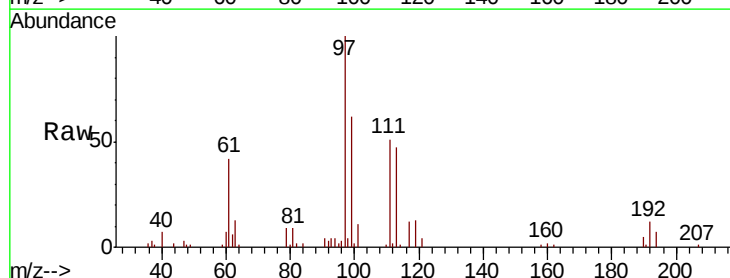
Tgt Ion: 97 Resp: 76609

Ion Ratio Lower Upper

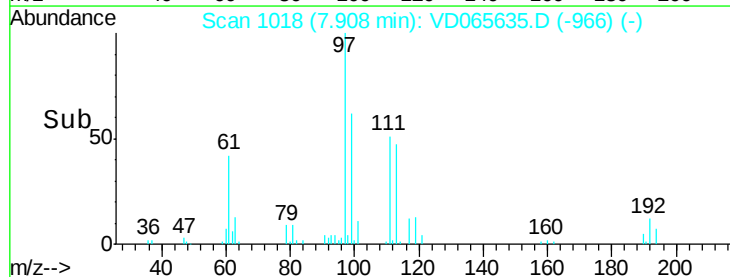
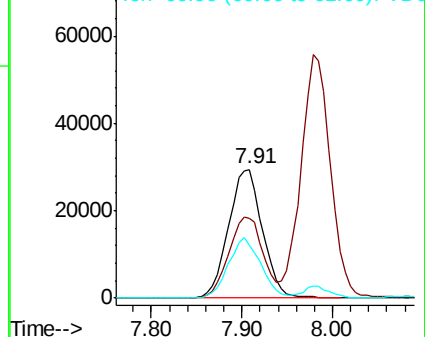
97 100

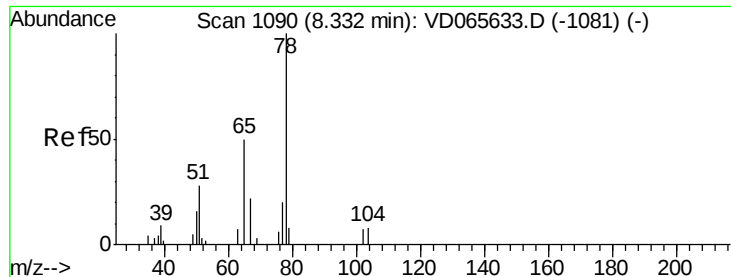
99 63.2 51.5 77.3

61 44.6 34.8 52.2



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

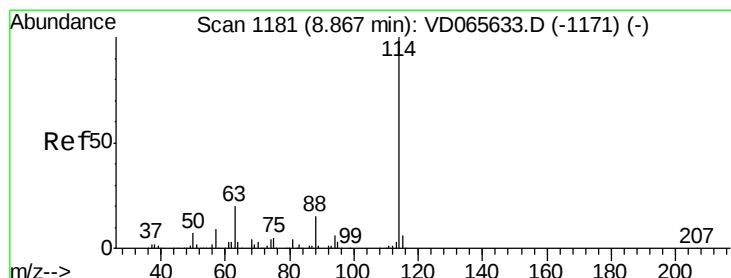
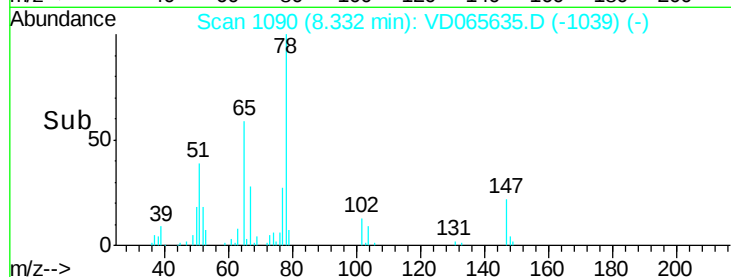
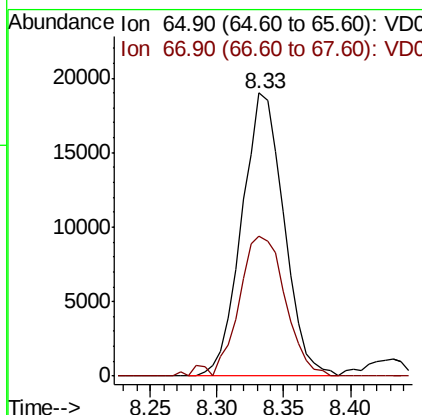
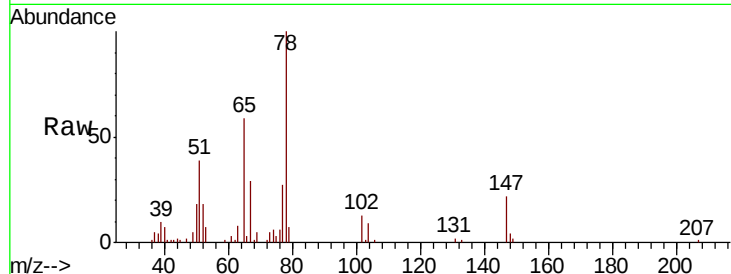




#33
 1,2-Dichloroethane-d4
 Concen: 17.842 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

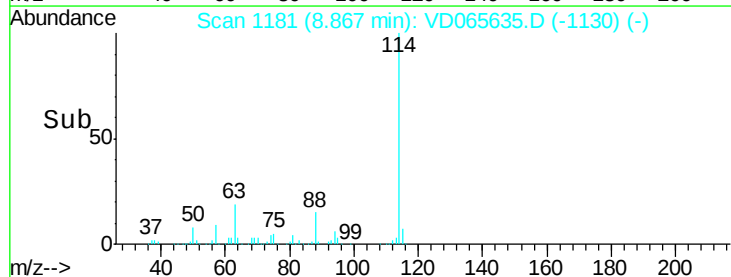
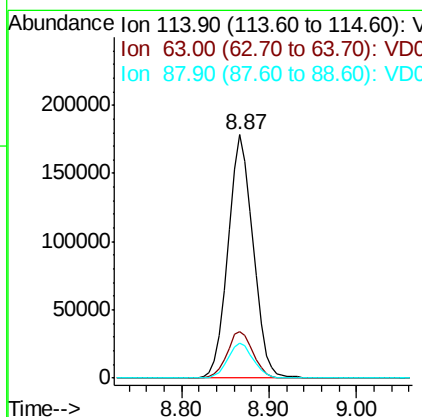
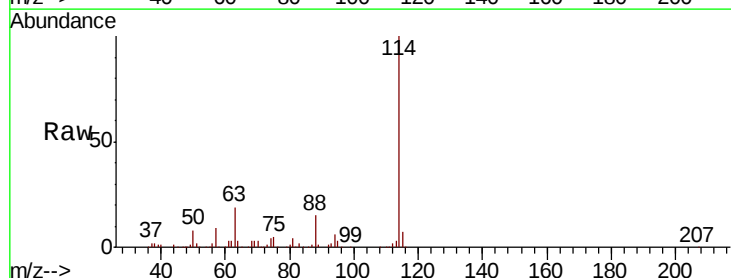
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

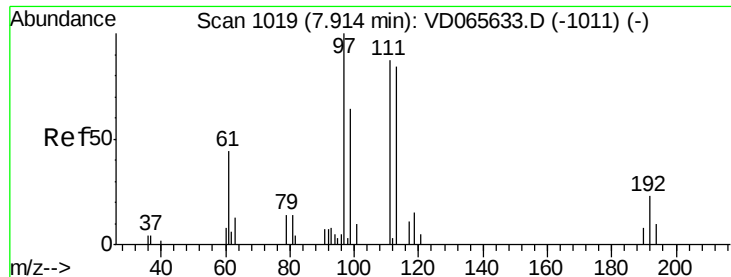
Tot Ion: 65 Resp: 41557
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion: 114 Resp: 348300
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.8
 88 14.6 0.0 31.6

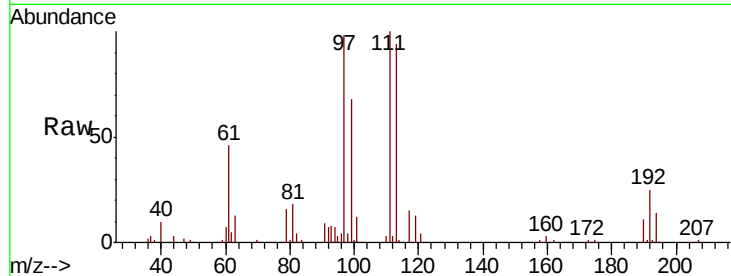




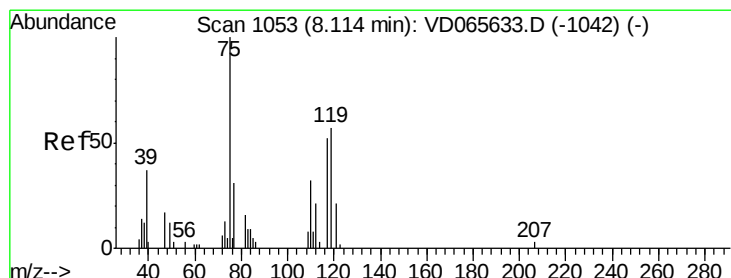
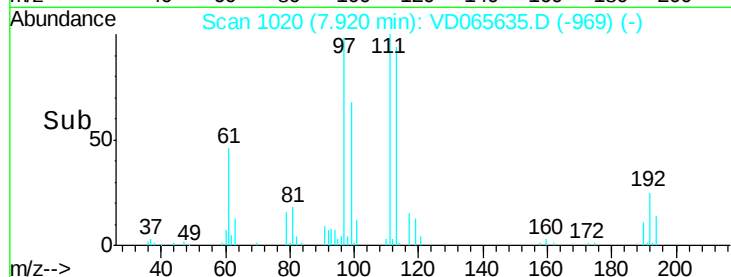
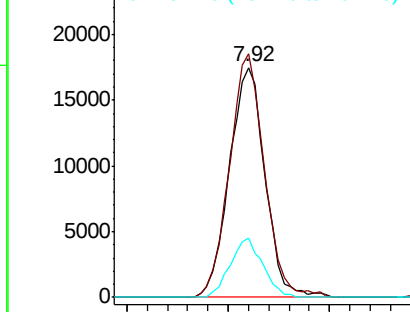
#35
 Dibromofluoromethane
 Concen: 17.829 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.9	122.9
192	23.4	18.9	28.3

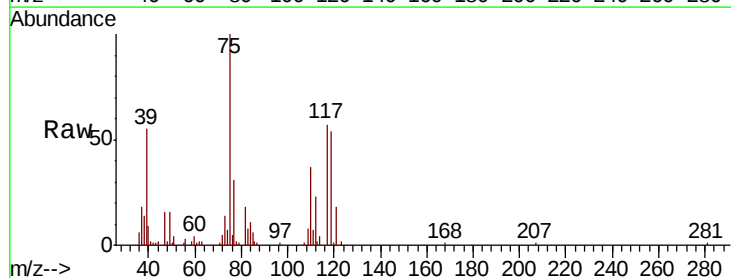


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

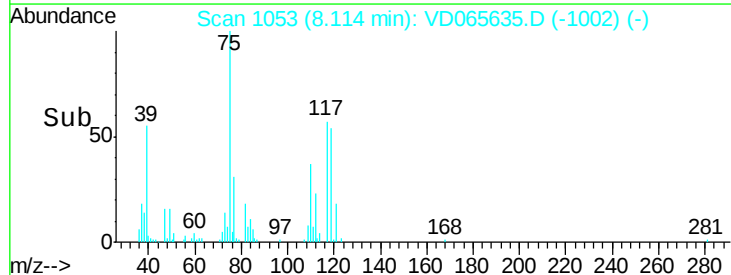
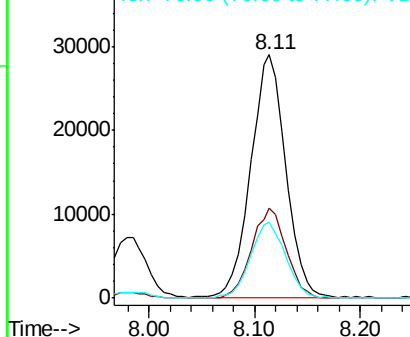


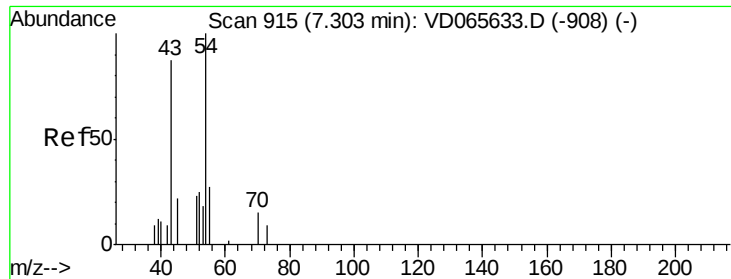
#36
 1,1-Dichloropropene
 Concen: 19.044 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.3	54.8
77	31.0	24.6	37.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

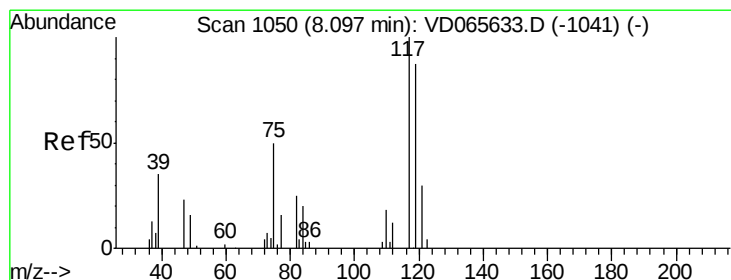
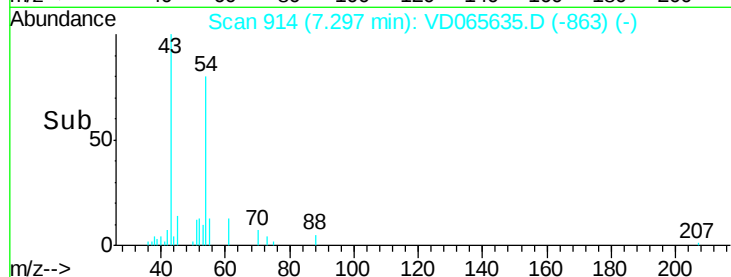
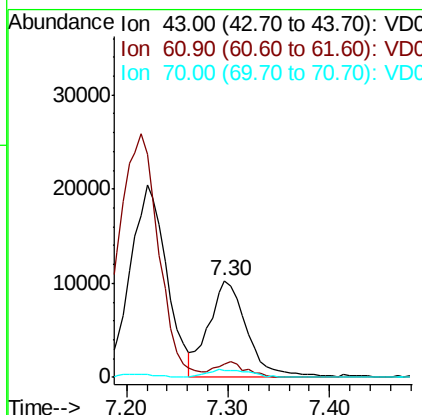
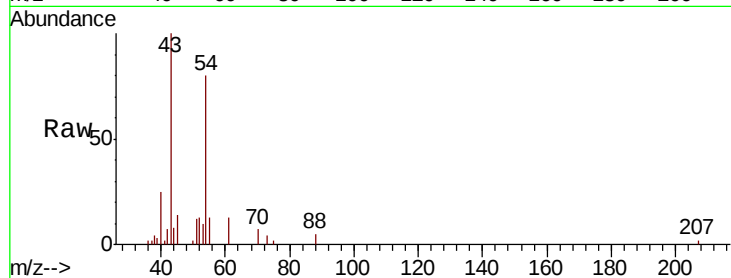




#37
Ethyl Acetate
Concen: 19.730 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

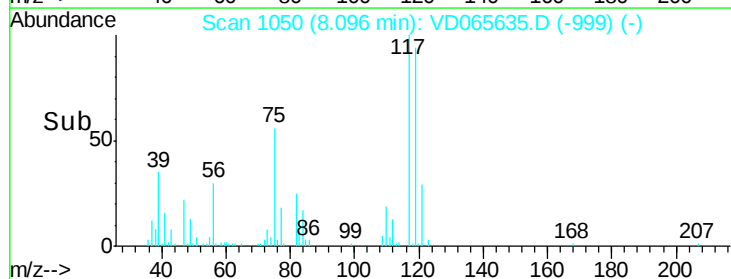
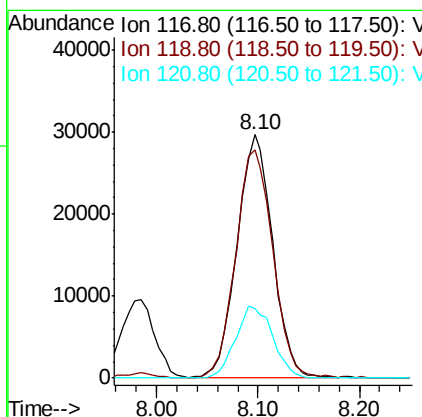
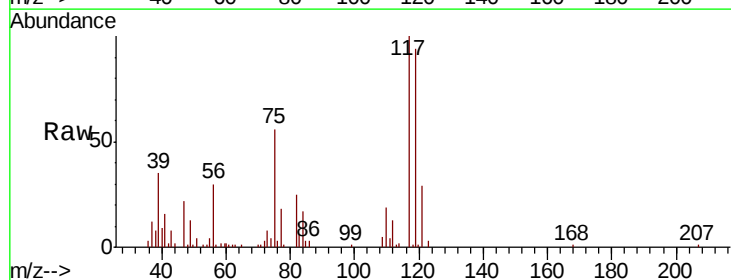
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

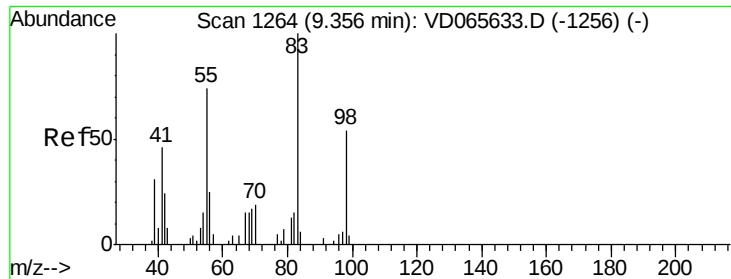
Tot Ion: 43 Resp: 26975
Ion Ratio Lower Upper
43 100
61 12.8 10.9 16.3
70 8.7 7.9 11.9



#38
Carbon Tetrachloride
Concen: 18.939 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 117 Resp: 72618
Ion Ratio Lower Upper
117 100
119 93.9 75.3 112.9
121 28.8 24.9 37.3

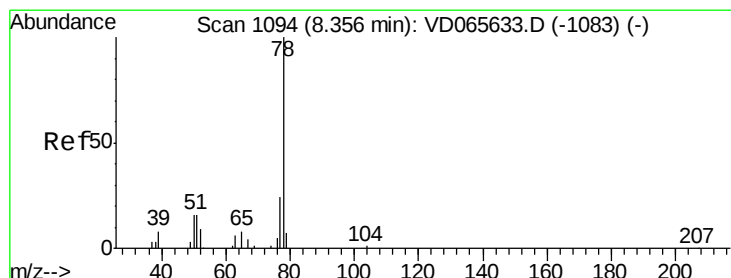
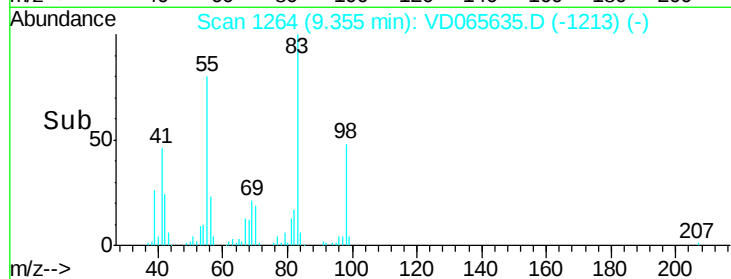
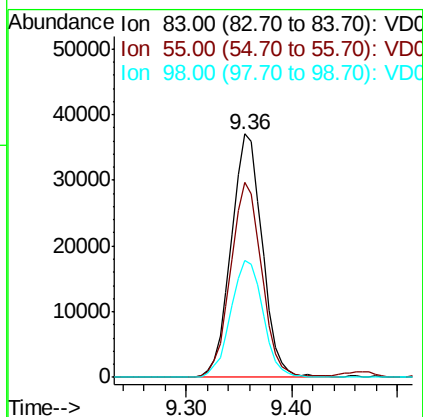
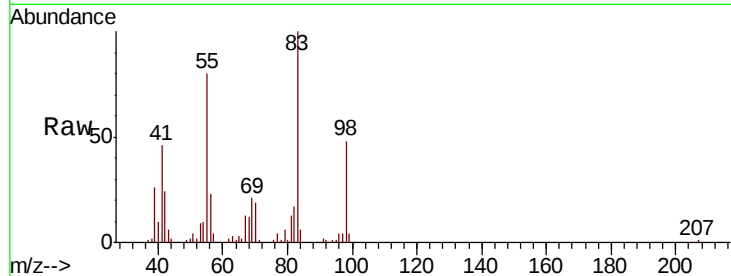




#39
Methvlcvclohexane
Concen: 18.891 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

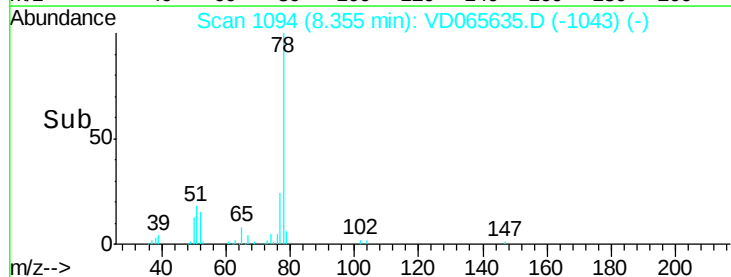
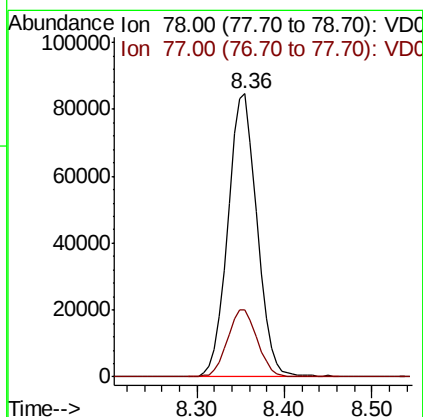
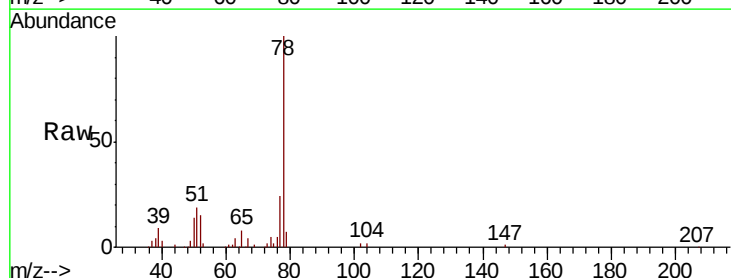
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

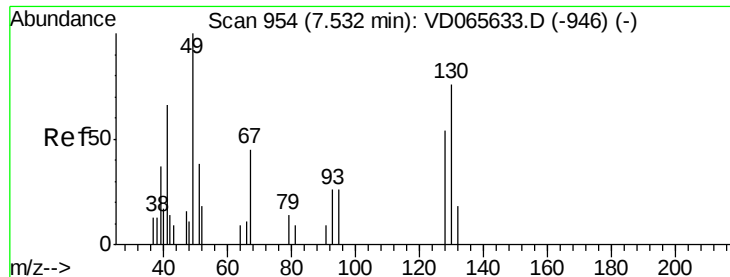
Tot Ion: 83 Resp: 75474
Ion Ratio Lower Upper
83 100
55 79.8 62.3 93.5
98 48.0 40.5 60.7



#40
Benzene
Concen: 18.958 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 78 Resp: 191757
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3

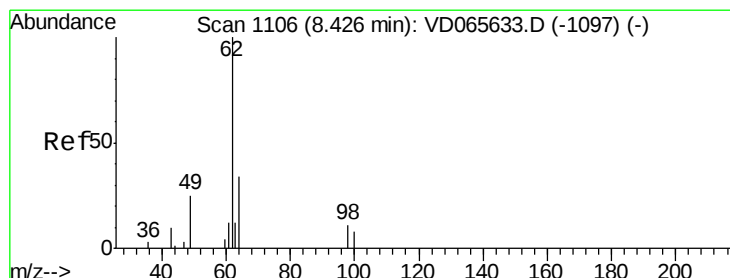
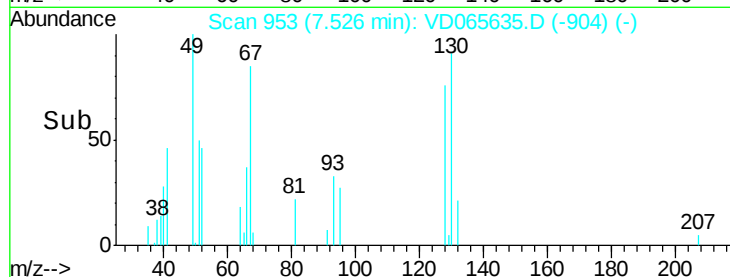
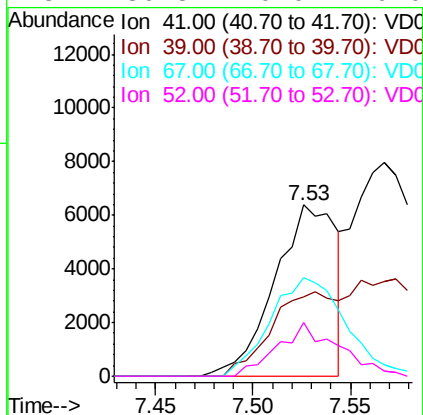
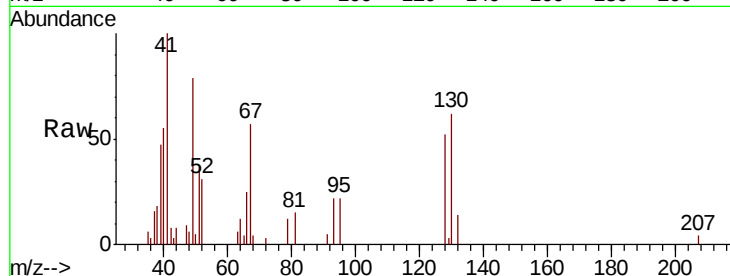




#41
Methacrylonitrile
Concen: 18.117 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

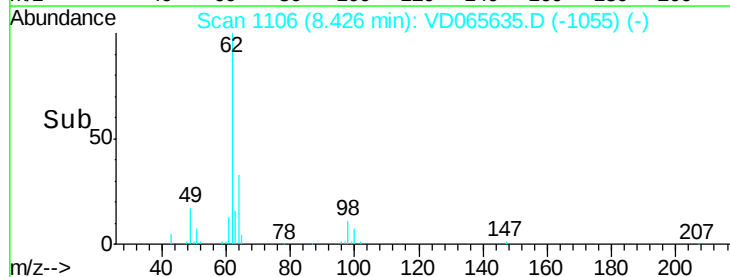
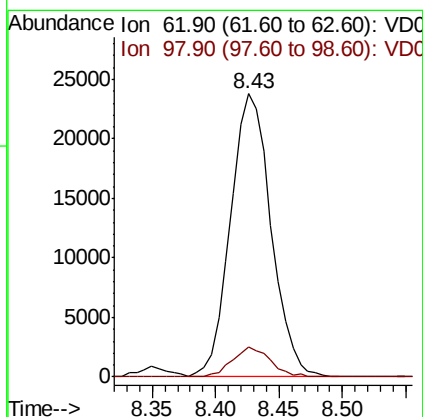
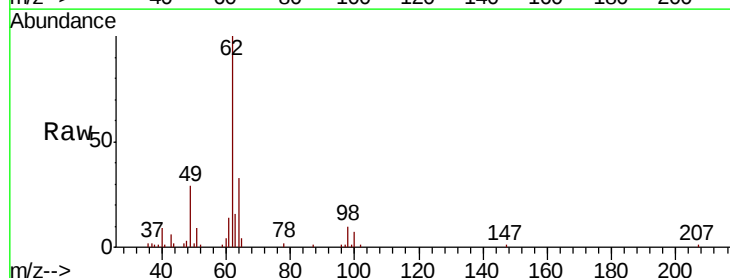
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

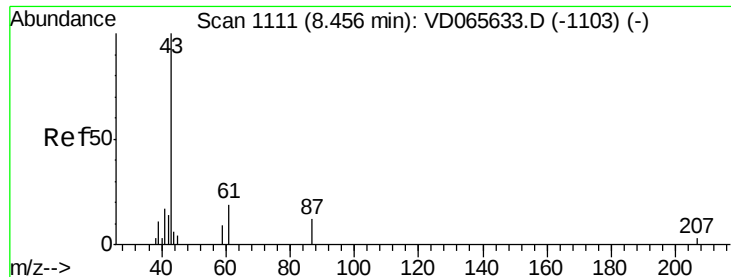
Tot Ion: 41 Resp: 14035
Ion Ratio Lower Upper
41 100
39 52.4 0.0 0.0#
67 70.3 0.0 0.0#
52 30.8 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 18.456 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 62 Resp: 52794
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.6





#43

Isopropyl Acetate

Concen: 18.453 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

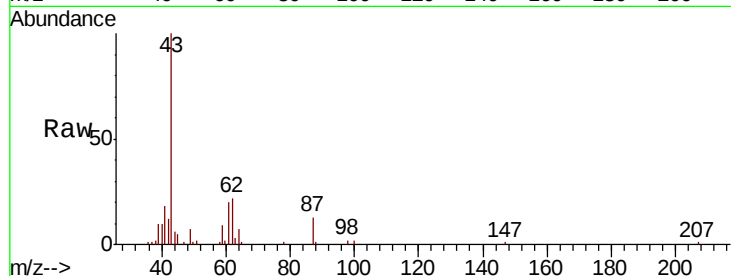
Tot Ion: 43 Resp: 45440

Ion Ratio Lower Upper

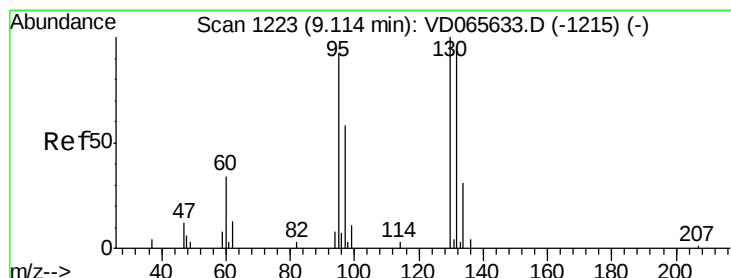
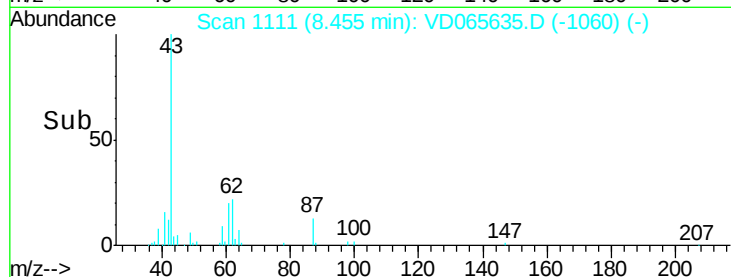
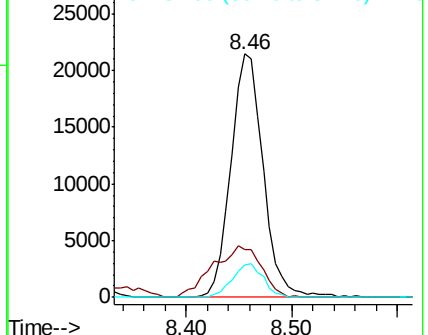
43 100

61 31.5 25.0 37.6

87 13.1 9.9 14.9



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: 18.919 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065635.D

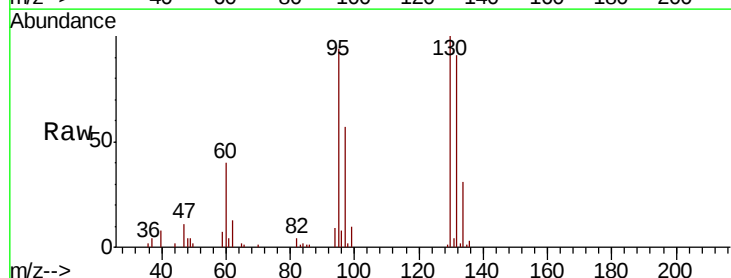
Acq: 15 Apr 2020 15:04

Tgt Ion: 130 Resp: 54667

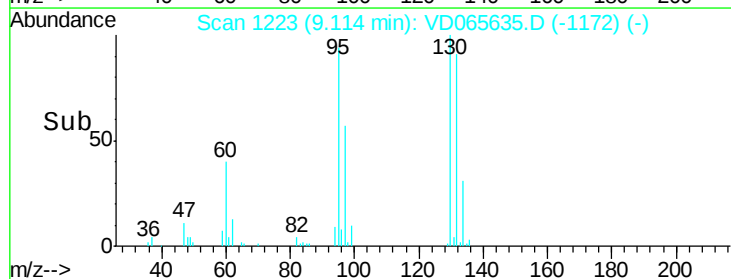
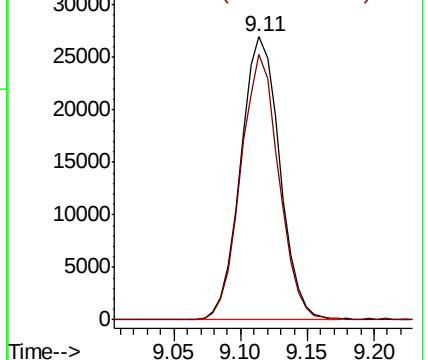
Ion Ratio Lower Upper

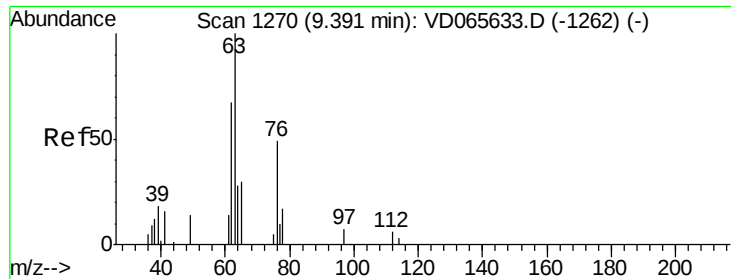
130 100

95 93.6 0.0 178.4



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





#45

1,2-Dichloropropane

Concen: 19.418 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

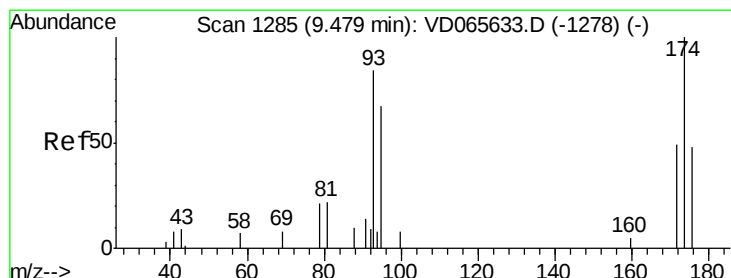
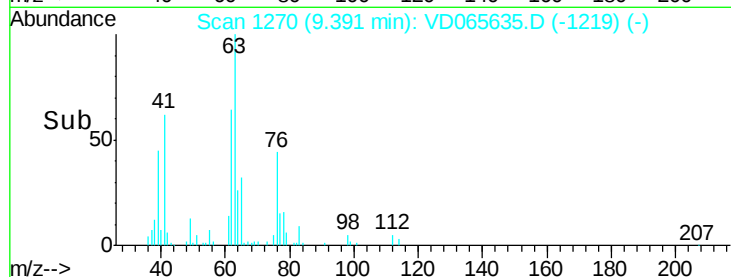
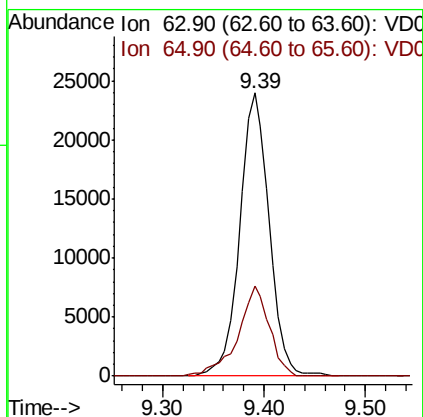
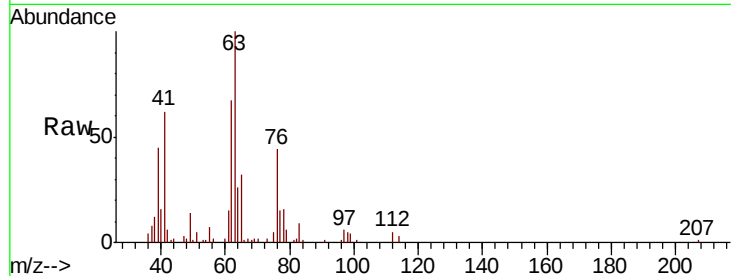
VSTDIC020

Tot Ion: 63 Resp: 48195

Ion Ratio Lower Upper

63 100

65 31.7 24.7 37.1



#46

Dibromomethane

Concen: 18.099 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

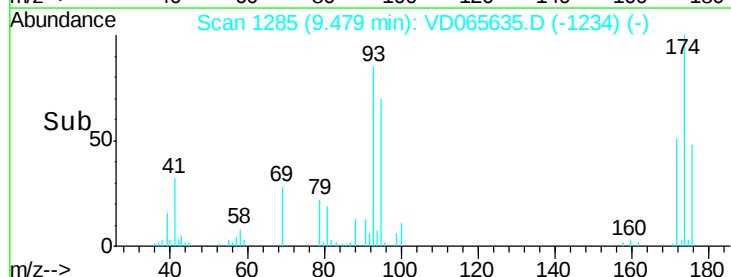
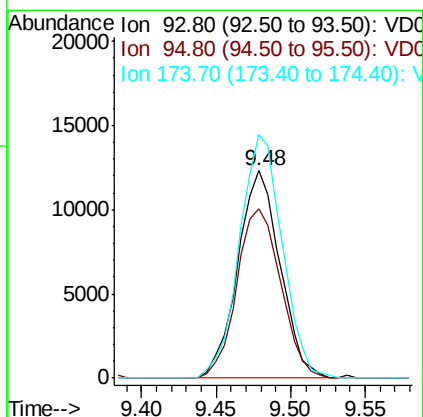
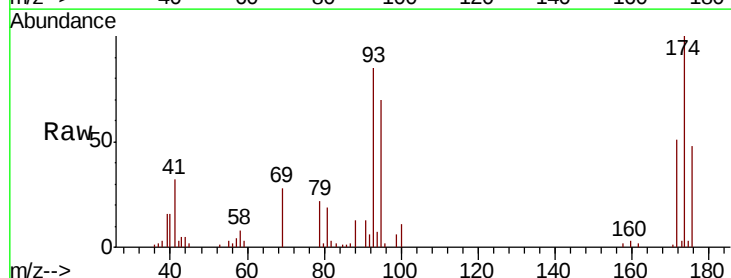
Tgt Ion: 93 Resp: 24212

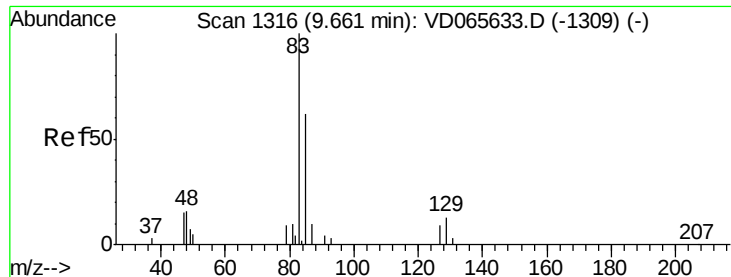
Ion Ratio Lower Upper

93 100

95 84.5 67.4 101.2

174 118.5 94.1 141.1





#47

Bromodichloromethane

Concen: 18.574 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

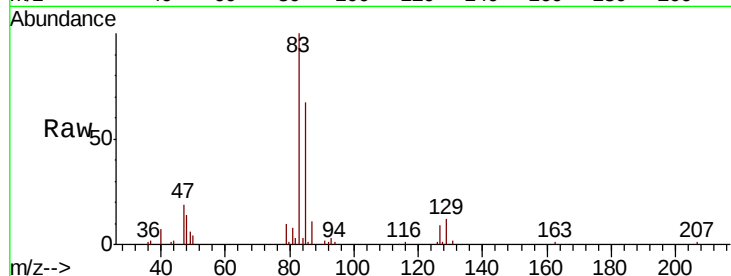
Tot Ion: 83 Resp: 64843

Ion Ratio Lower Upper

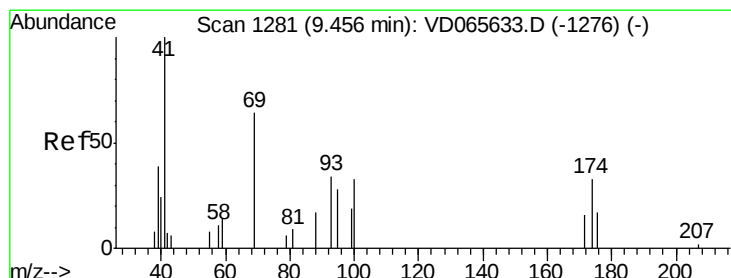
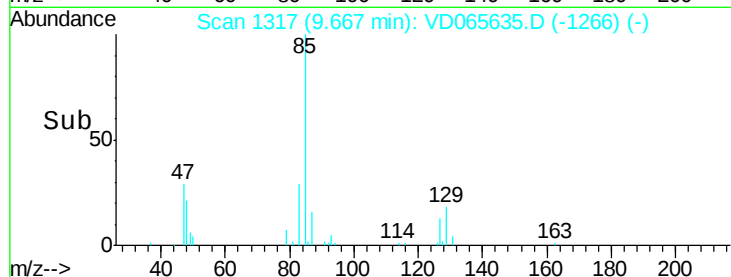
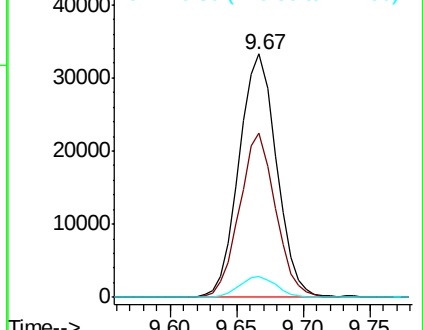
83 100

85 67.2 49.8 74.8

127 8.6 6.6 9.8



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



#48

Methyl methacrylate

Concen: 18.364 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

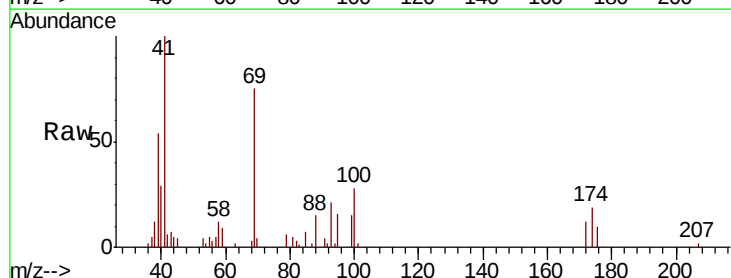
Tgt Ion: 41 Resp: 21564

Ion Ratio Lower Upper

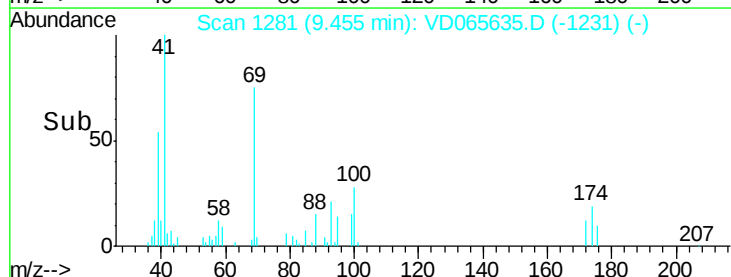
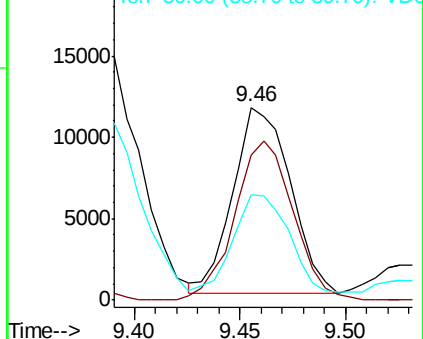
41 100

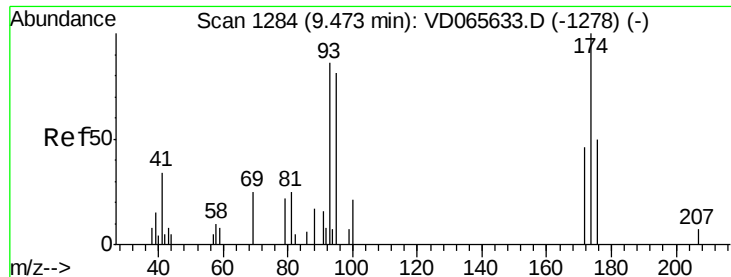
69 87.0 66.8 100.2

39 52.3 39.6 59.4



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: 359.537 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

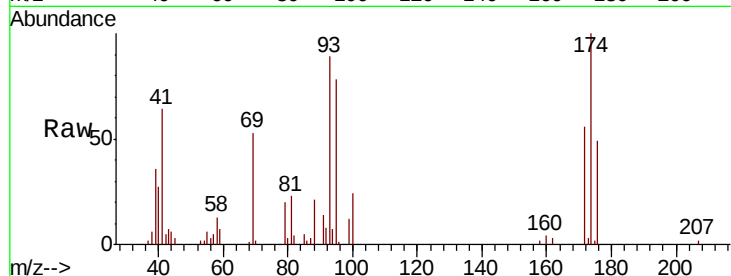
Tot Ion: 88 Resp: 5231

Ion Ratio Lower Upper

88 100

43 39.2 28.1 42.1

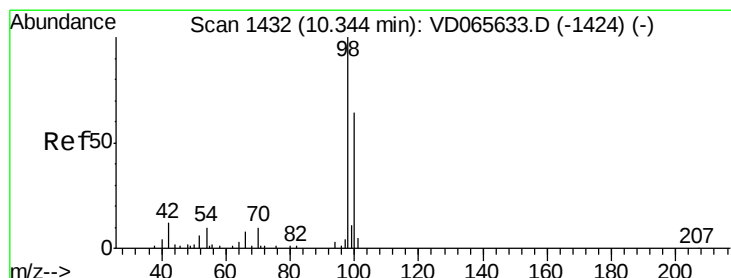
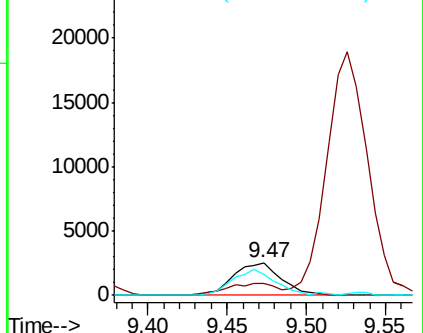
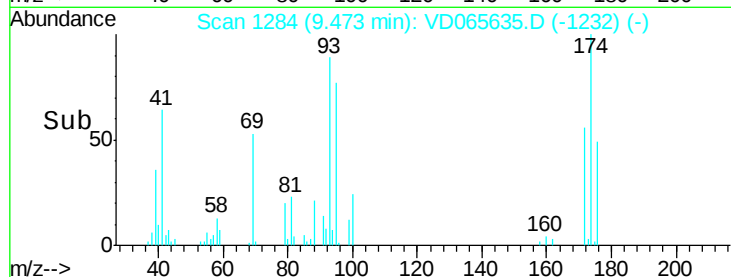
58 71.6 55.7 83.5



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: 18.397 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065635.D

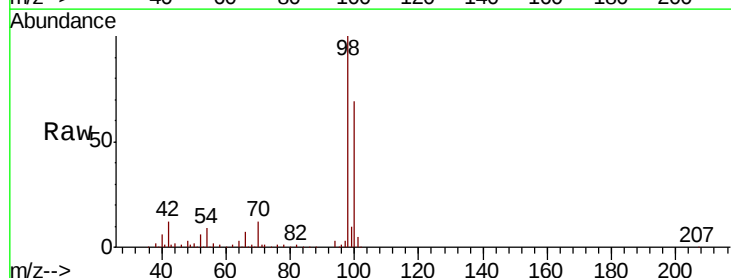
Acq: 15 Apr 2020 15:04

Tgt Ion: 98 Resp: 160113

Ion Ratio Lower Upper

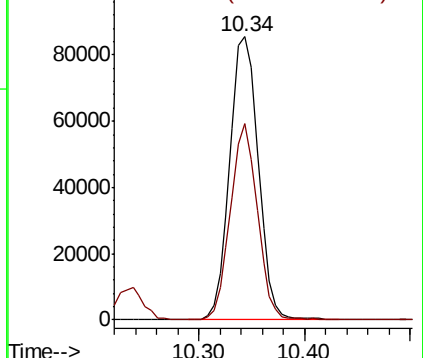
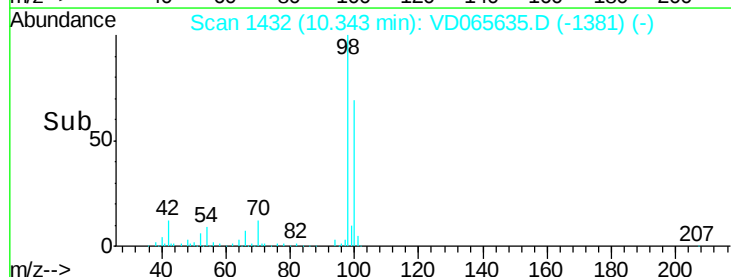
98 100

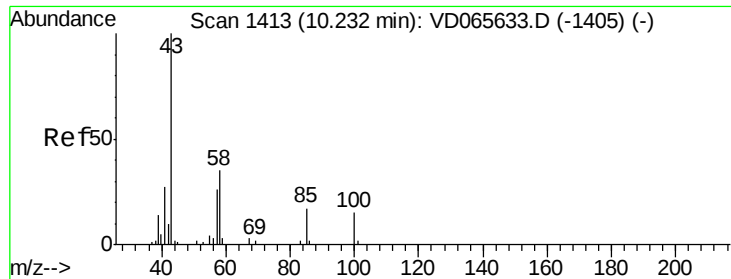
100 65.5 52.4 78.6



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: 89.491 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

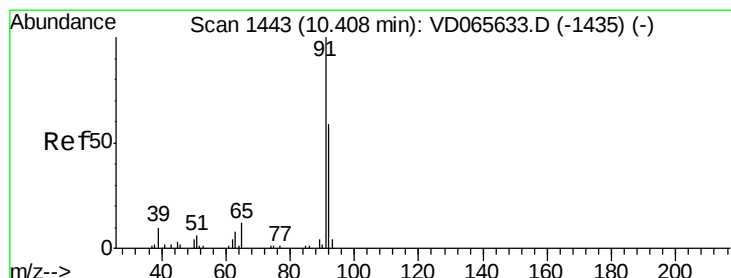
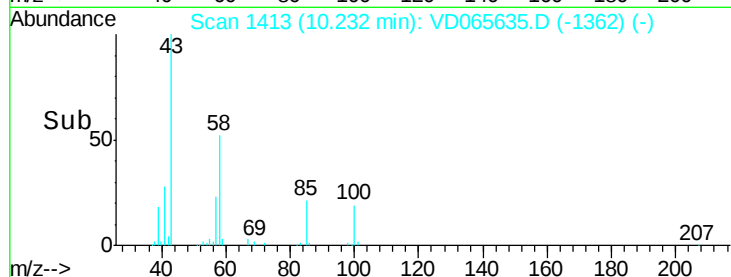
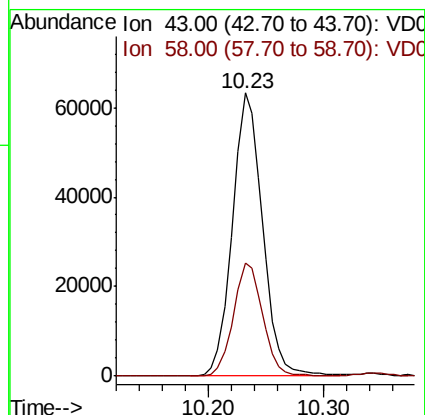
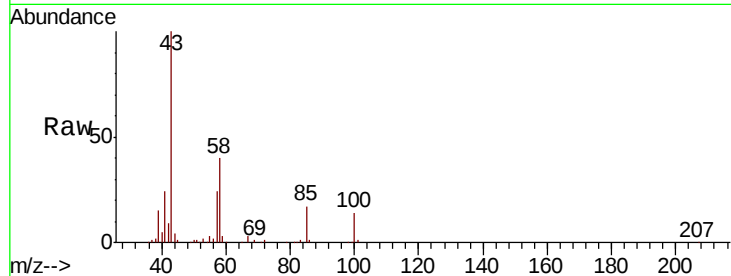
VSTDIC020

Tot Ion: 43 Resp: 114453

Ion Ratio Lower Upper

43 100

58 38.9 31.1 46.7



#52

Toluene

Concen: 18.964 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065635.D

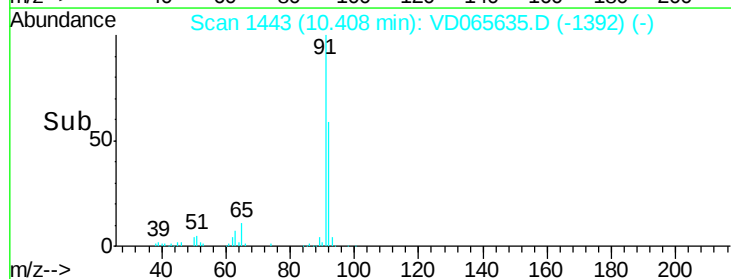
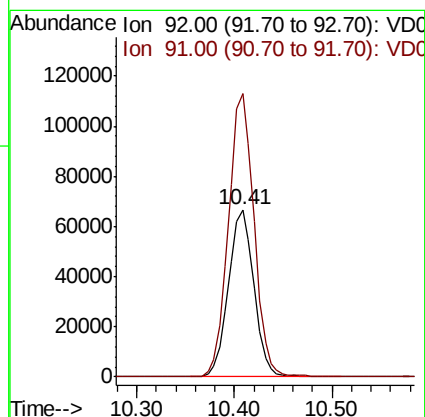
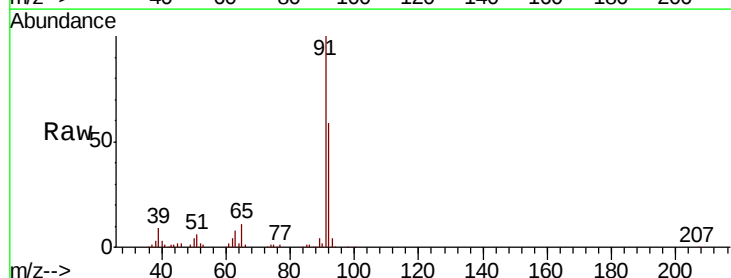
Acq: 15 Apr 2020 15:04

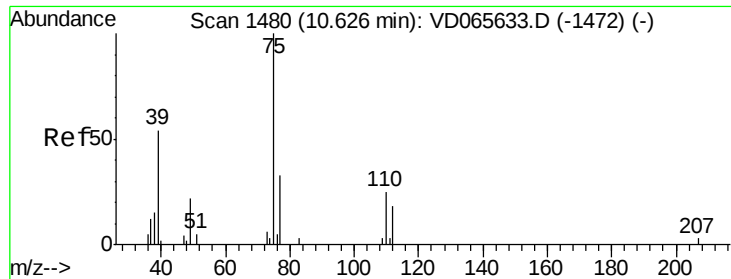
Tgt Ion: 92 Resp: 120900

Ion Ratio Lower Upper

92 100

91 170.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.344 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

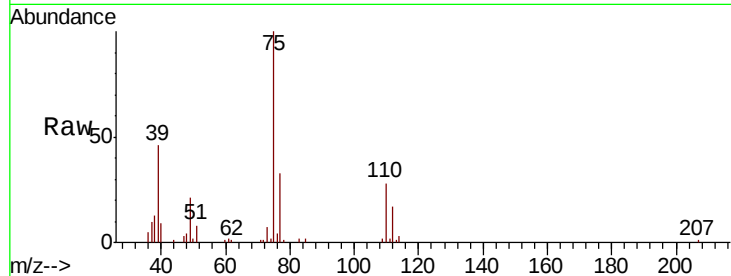
VSTDIC020

Tot Ion: 75 Resp: 57453

Ion Ratio Lower Upper

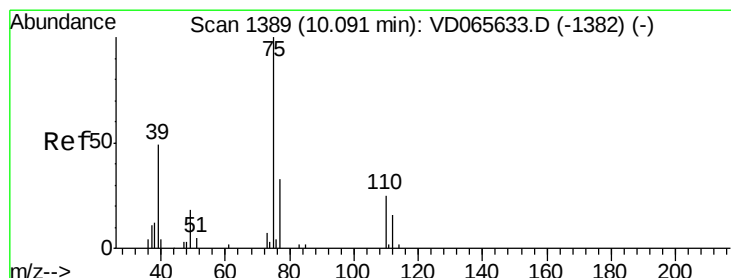
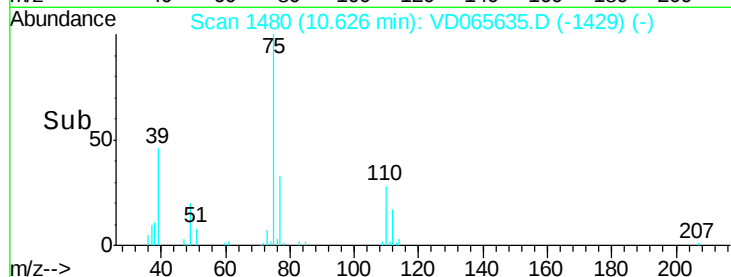
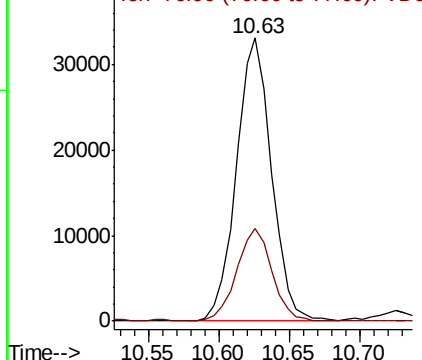
75 100

77 32.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 18.760 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

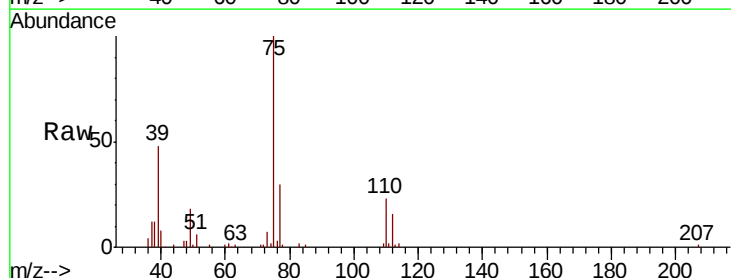
Tgt Ion: 75 Resp: 71452

Ion Ratio Lower Upper

75 100

77 30.3 25.2 37.8

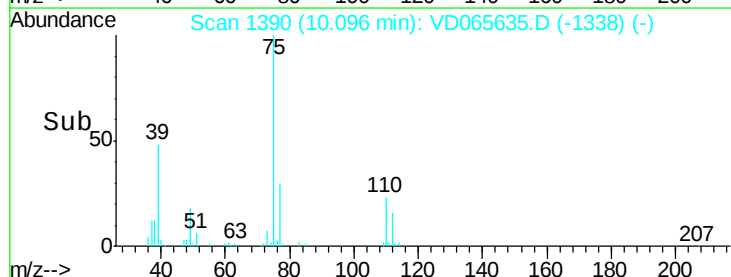
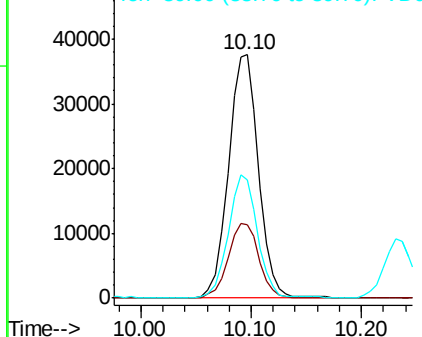
39 48.5 38.7 58.1

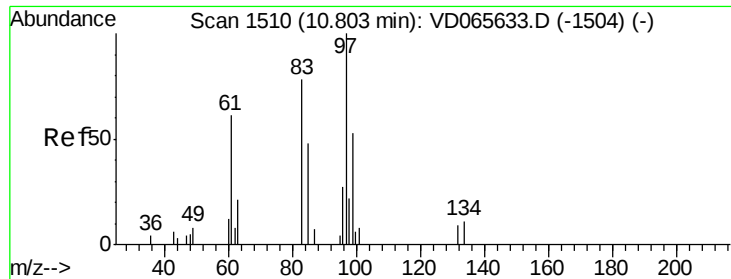


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 18.661 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 35262

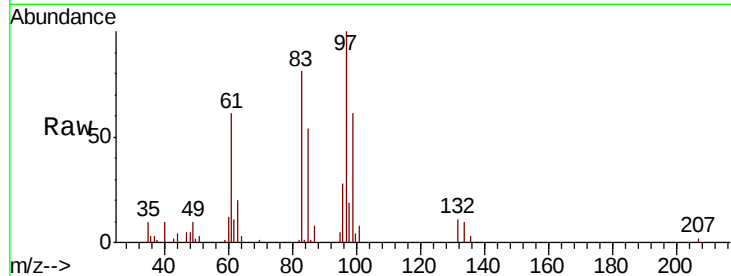
Ion Ratio Lower Upper

97 100

83 81.1 67.4 101.0

85 54.3 43.4 65.0

99 61.3 50.5 75.7

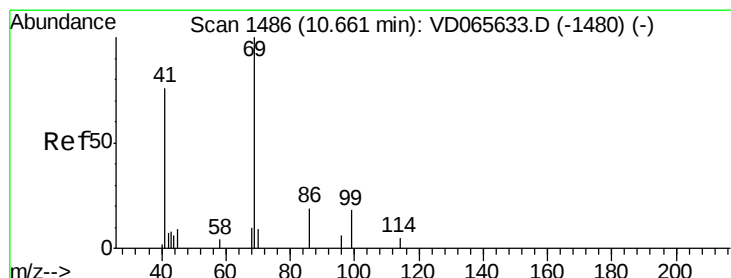
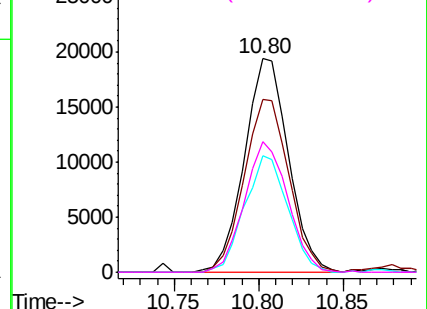
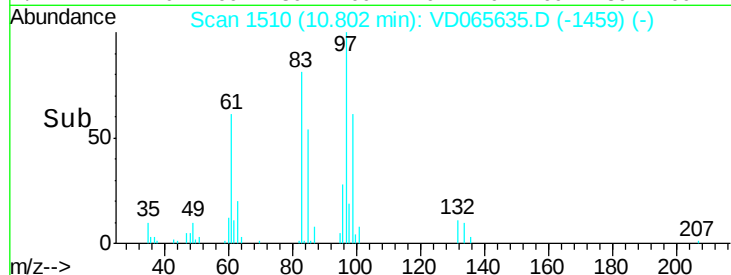


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 18.559 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

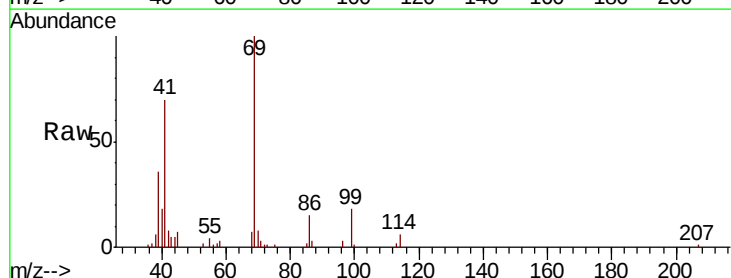
Tgt Ion: 69 Resp: 35516

Ion Ratio Lower Upper

69 100

41 69.6 56.2 84.4

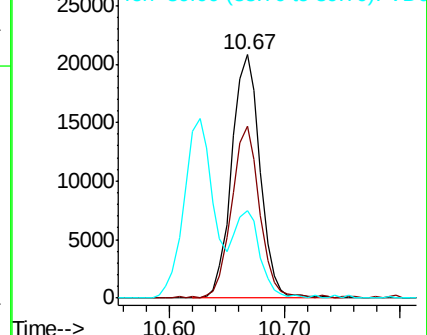
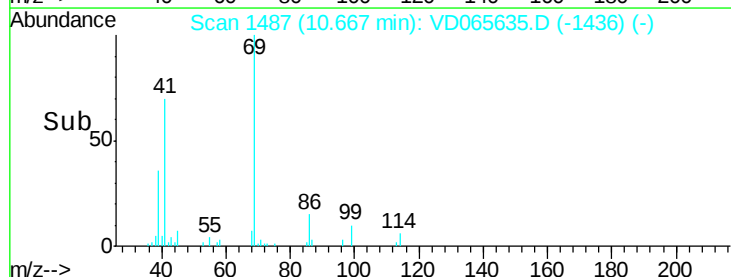
39 32.8 26.6 39.8

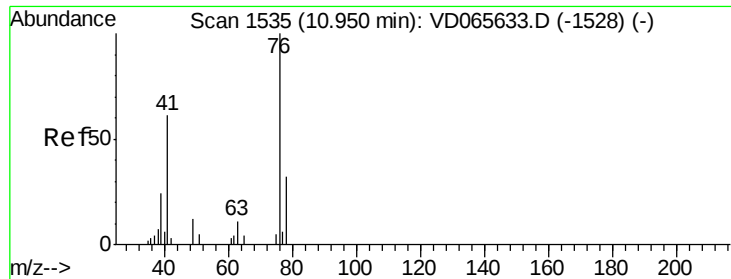


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

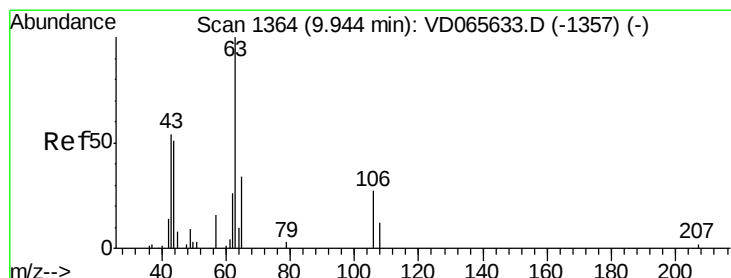
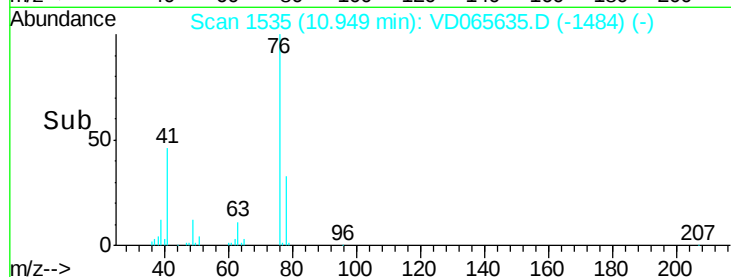
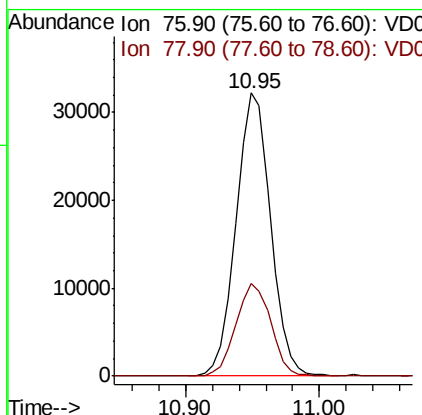
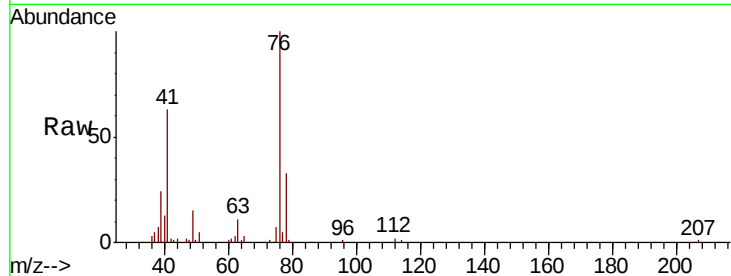




#57
 1,3-Dichloropropane
 Concen: 18.424 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

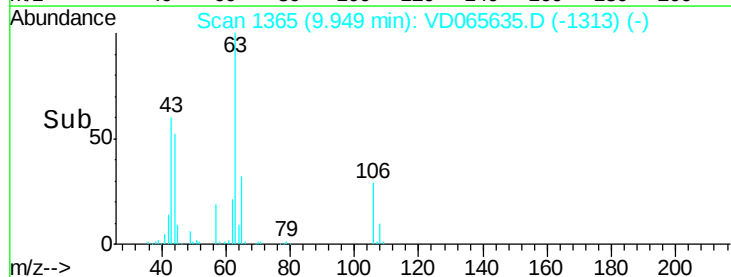
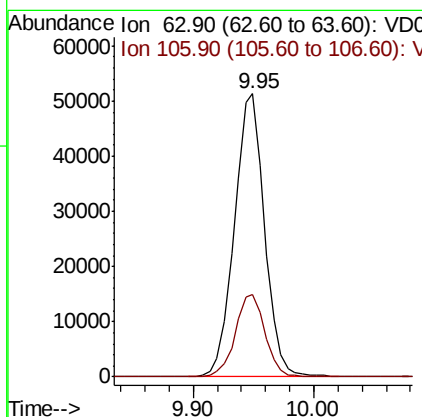
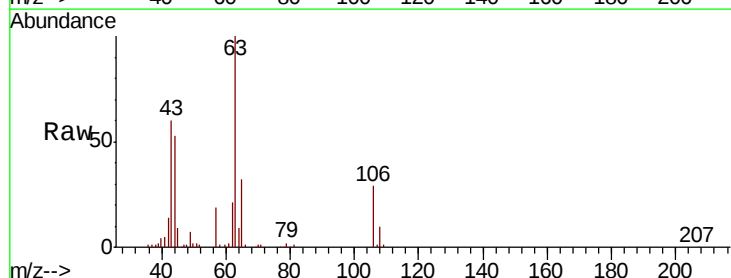
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

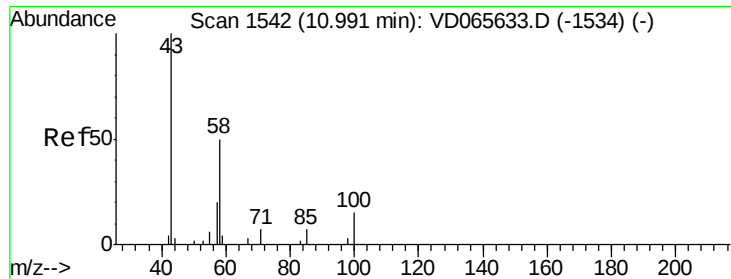
Tot Ion: 76 Resp: 57647
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.636 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion: 63 Resp: 89296
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.8 35.6

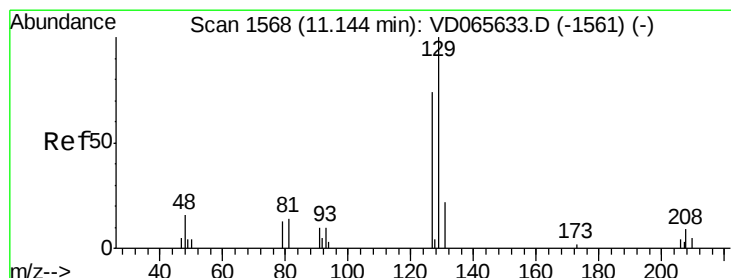
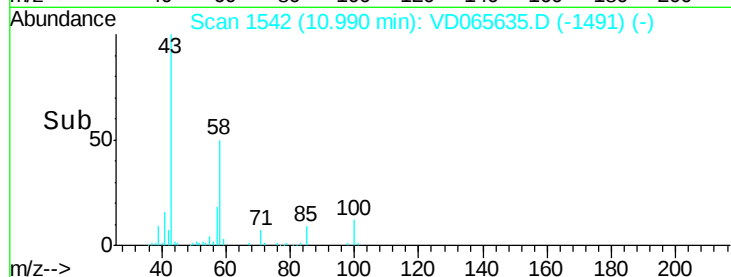
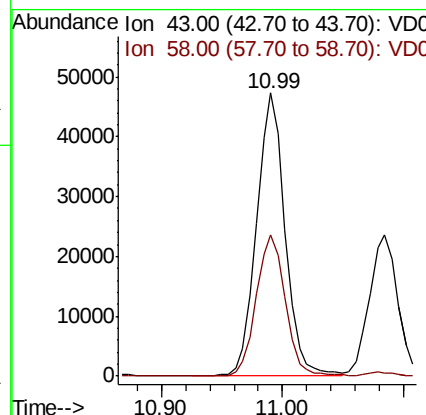
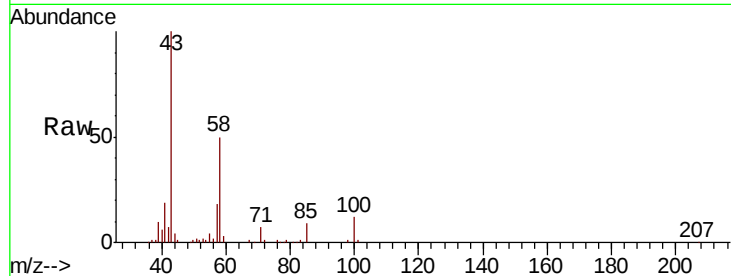




#59
2-Hexanone
Concen: 91.100 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

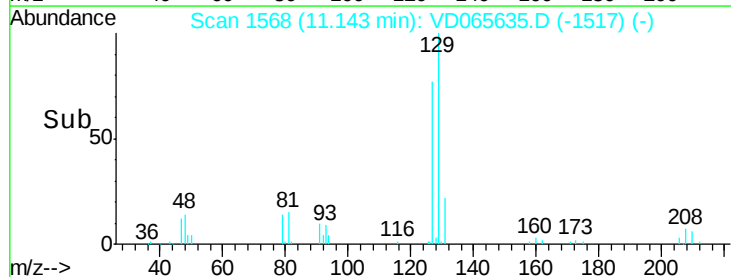
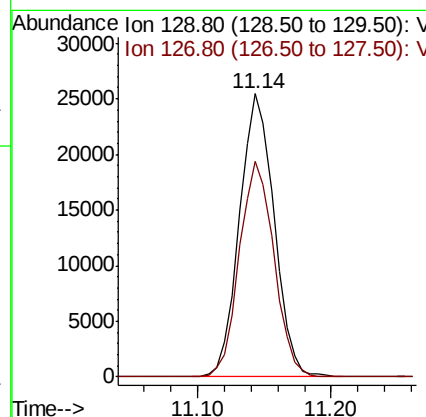
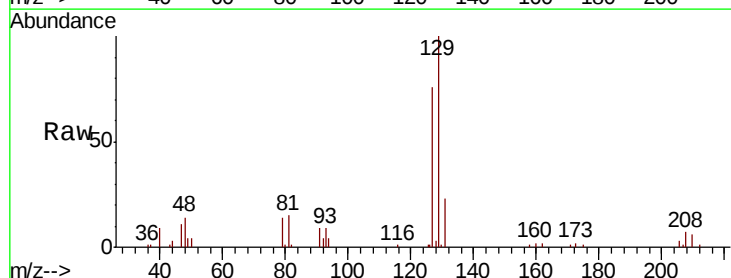
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

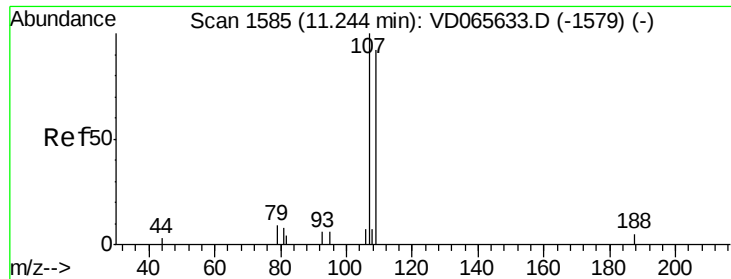
Tot Ion: 43 Resp: 77786
Ion Ratio Lower Upper
43 100
58 50.9 26.5 79.4



#60
Dibromochloromethane
Concen: 18.310 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 129 Resp: 45675
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.3

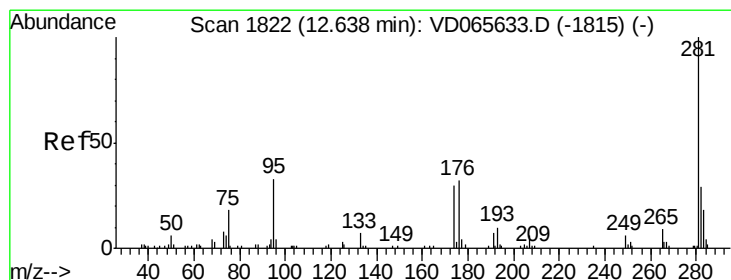
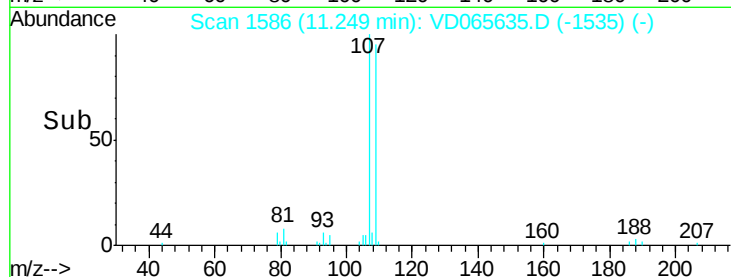
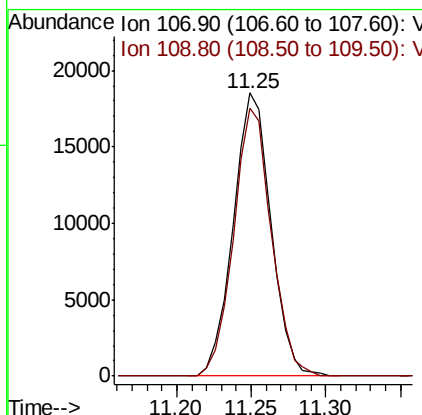
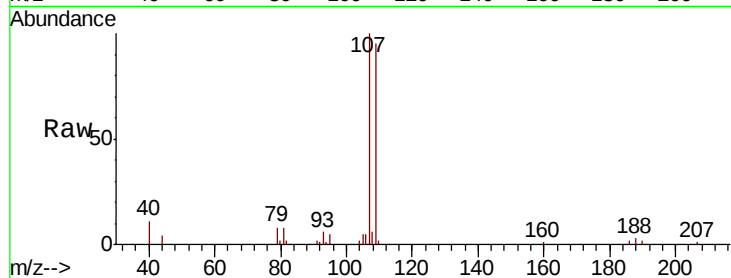




#61
 1,2-Dibromoethane
 Concen: 18.042 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

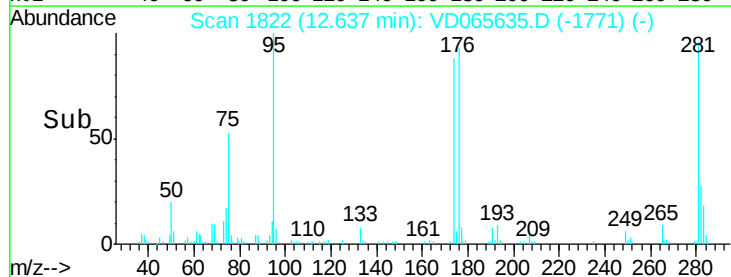
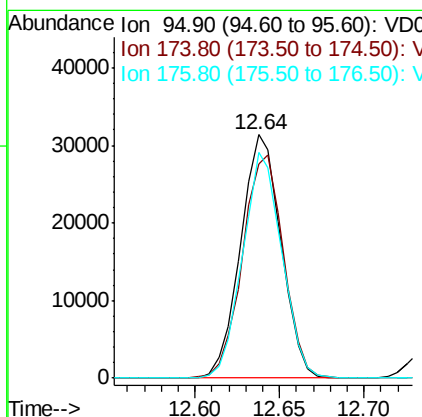
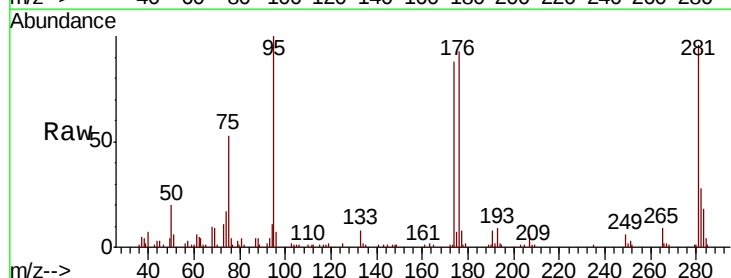
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

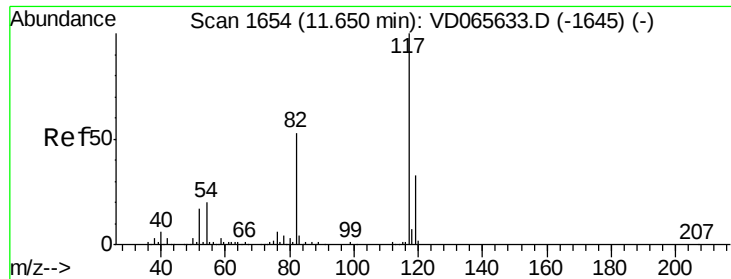
Tot Ion:107 Resp: 32423
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 18.496 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion: 95 Resp: 52235
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 183.8
 176 90.1 0.0 181.4

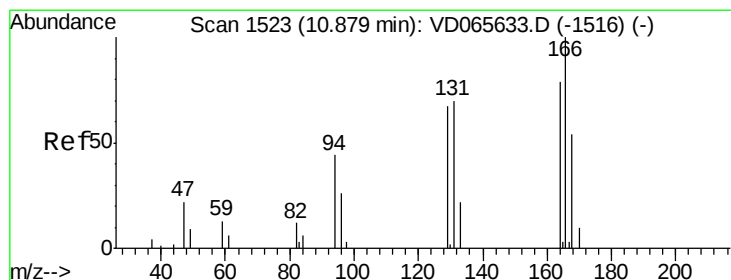
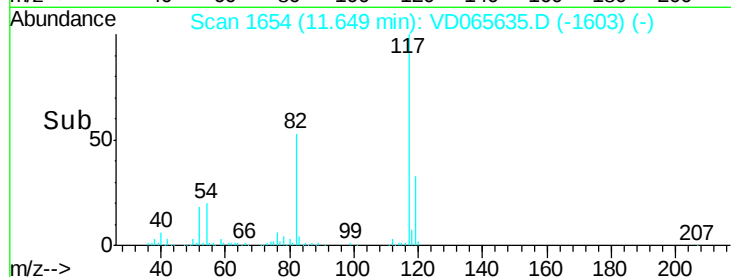
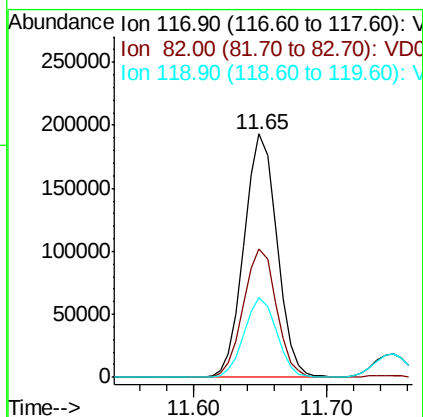
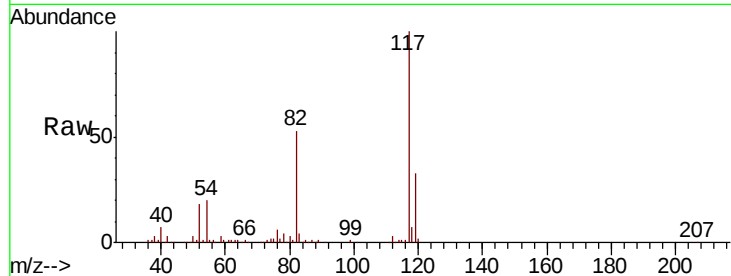




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

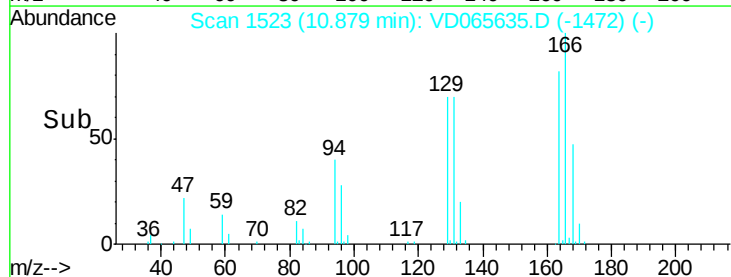
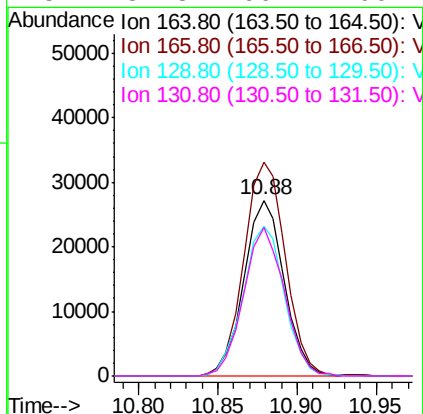
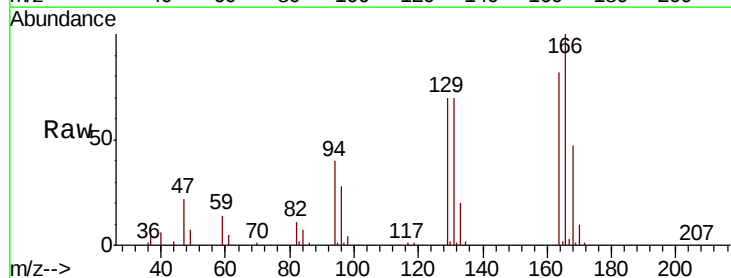
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

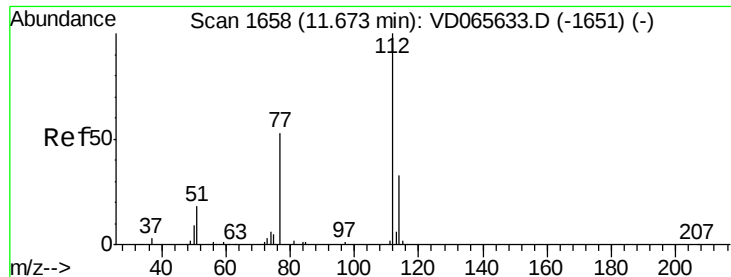
Tot Ion:117 Resp: 329712
Ion Ratio Lower Upper
117 100
82 52.8 43.2 64.8
119 32.6 26.2 39.4



#64
Tetrachloroethene
Concen: 18.731 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion:164 Resp: 47983
Ion Ratio Lower Upper
164 100
166 121.5 102.3 153.5
129 85.1 71.7 107.5
131 84.8 66.2 99.4

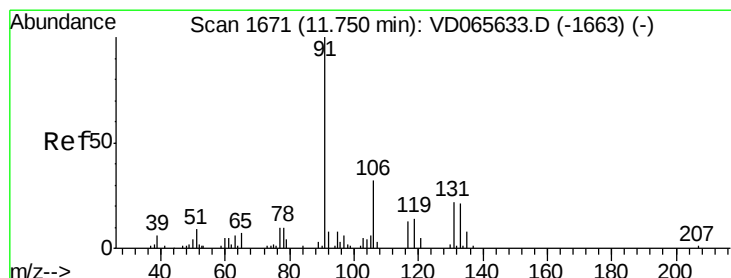
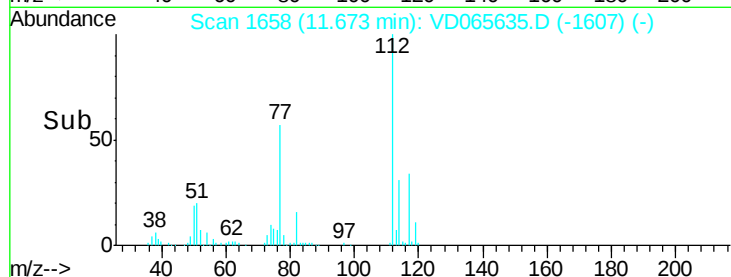
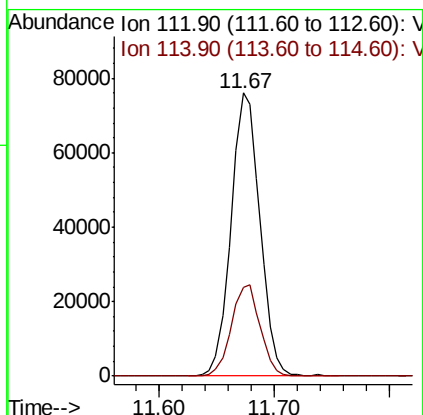
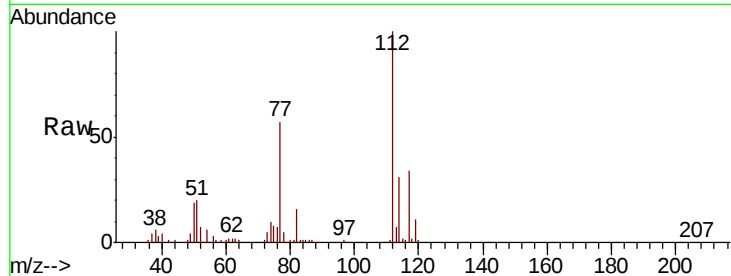




#65
Chlorobenzene
Concen: 18.808 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

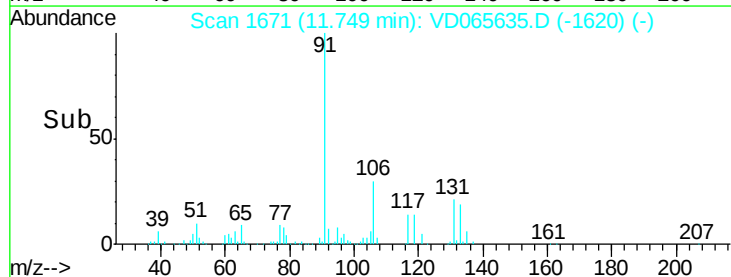
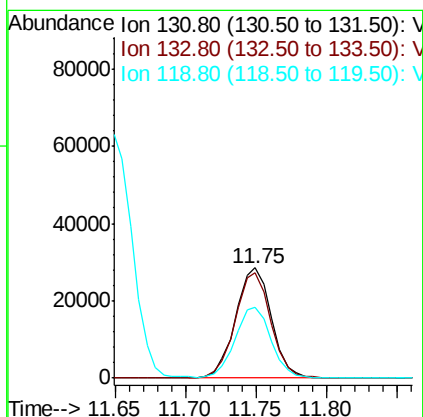
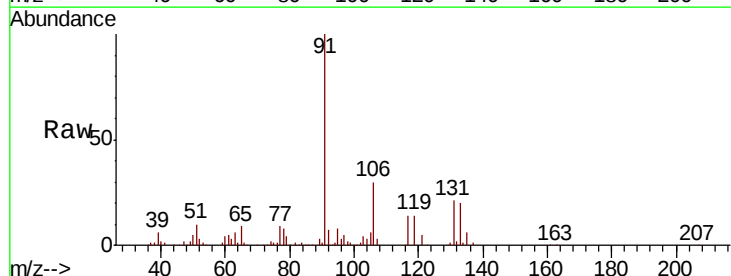
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

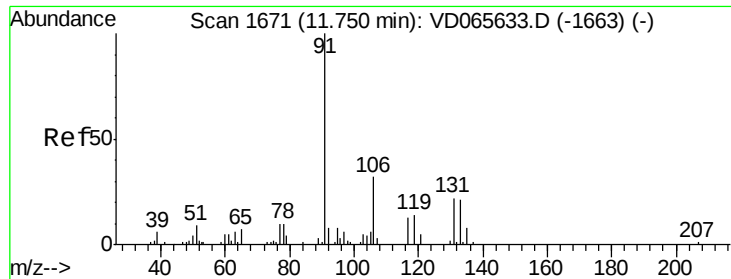
Tot Ion:112 Resp: 131586
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.958 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion:131 Resp: 50470
Ion Ratio Lower Upper
131 100
133 94.9 47.7 143.1
119 64.4 32.6 97.7

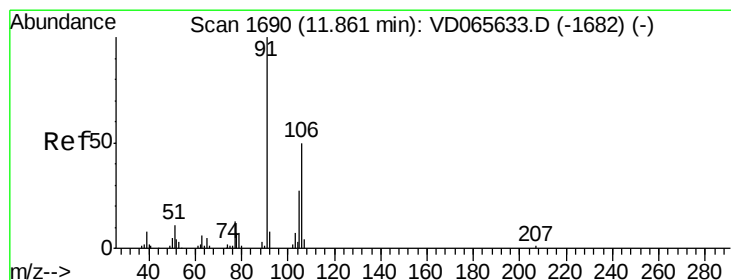
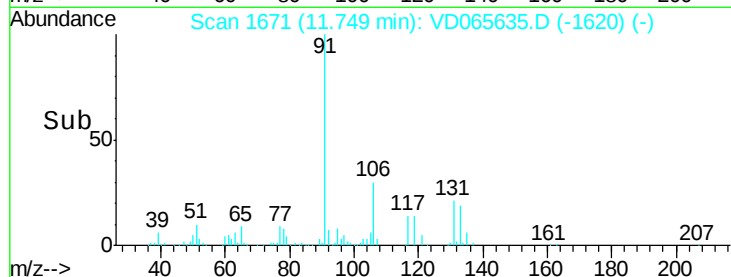
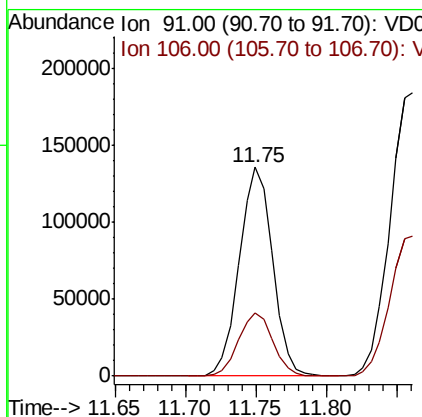
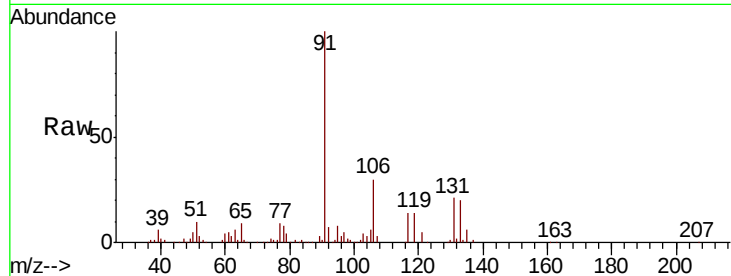




#67
Ethyl Benzene
Concen: 19.533 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

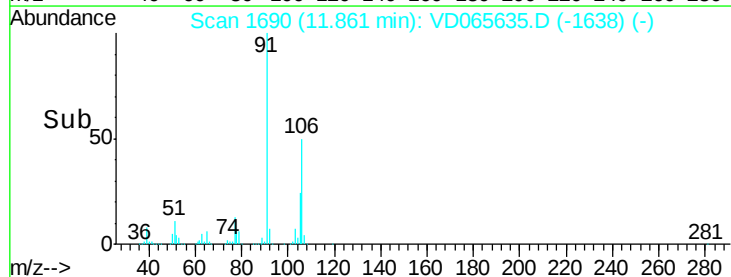
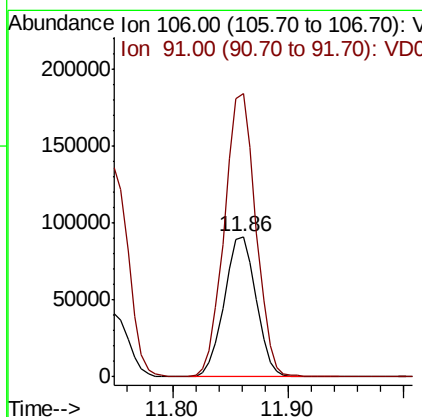
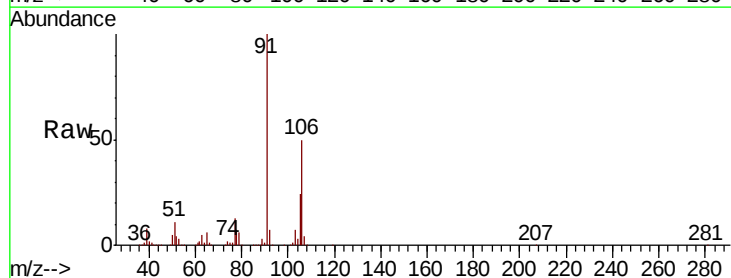
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

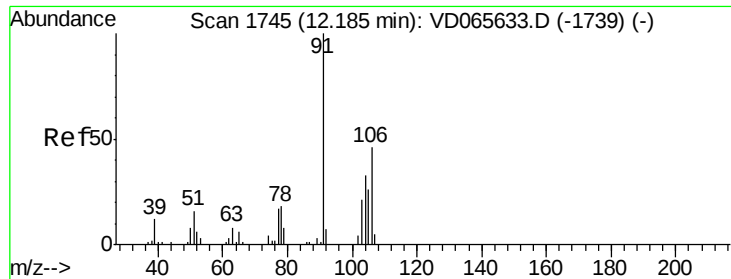
Tot Ion: 91 Resp: 225135
Ion Ratio Lower Upper
91 100
106 30.2 25.1 37.7



#68
m/p-Xylenes
Concen: 38.597 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 106 Resp: 174891
Ion Ratio Lower Upper
106 100
91 199.2 157.9 236.9

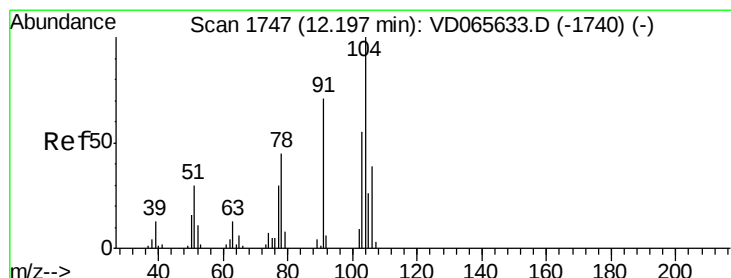
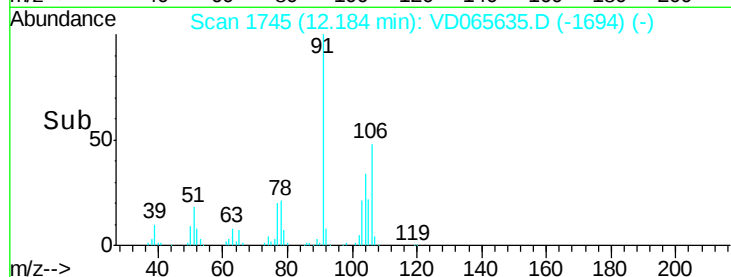
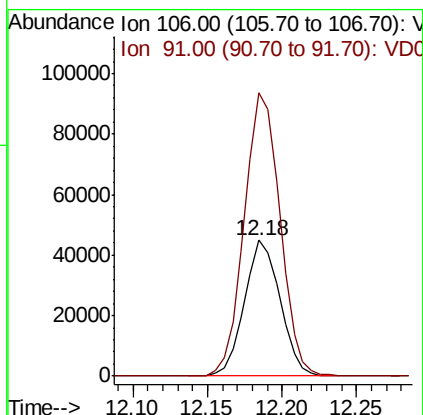
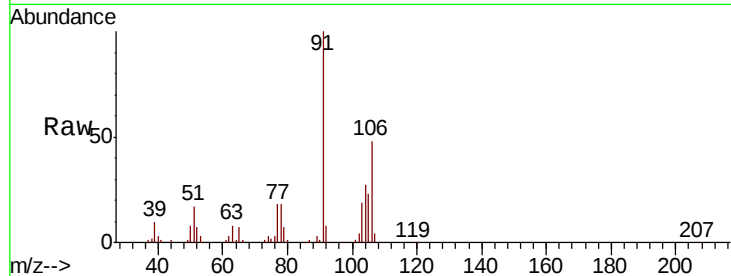




#69
o-Xylene
Concen: 18.937 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

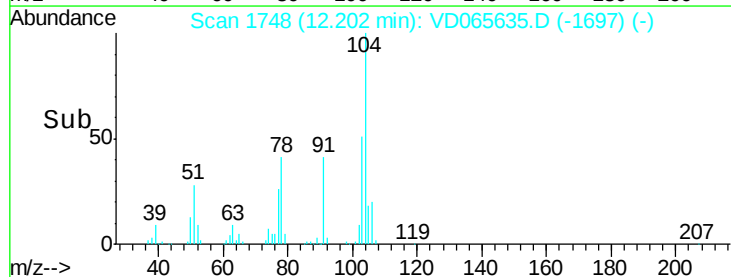
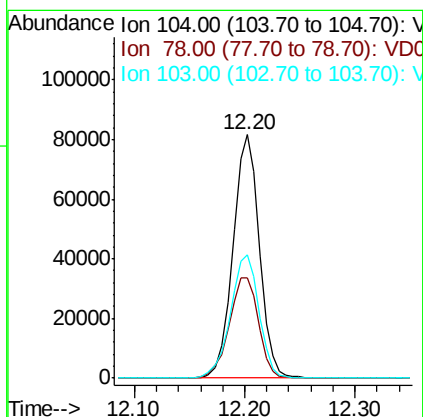
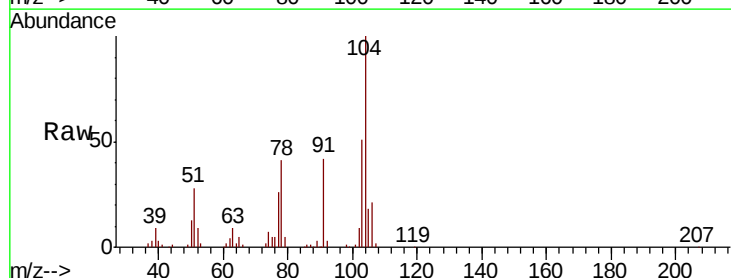
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

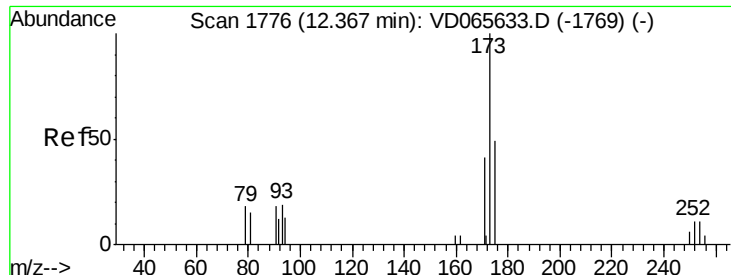
Tot Ion:106 Resp: 74214
Ion Ratio Lower Upper
106 100
91 210.4 103.6 310.9



#70
Styrene
Concen: 19.705 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion:104 Resp: 136685
Ion Ratio Lower Upper
104 100
78 46.2 37.5 56.3
103 54.8 43.4 65.0





#71

Bromoform

Concen: 18.331 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

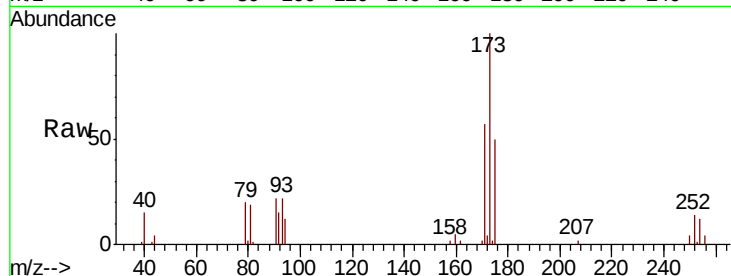
Tot Ion:173 Resp: 27880

Ion Ratio Lower Upper

173 100

175 47.5 25.1 75.2

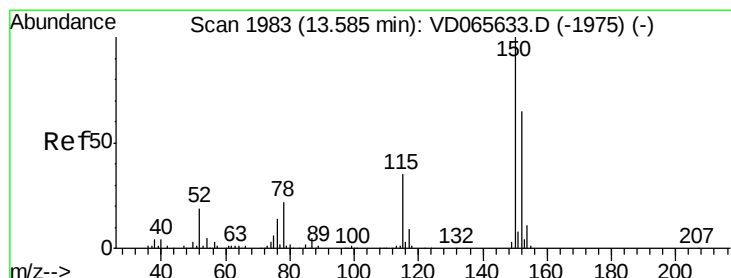
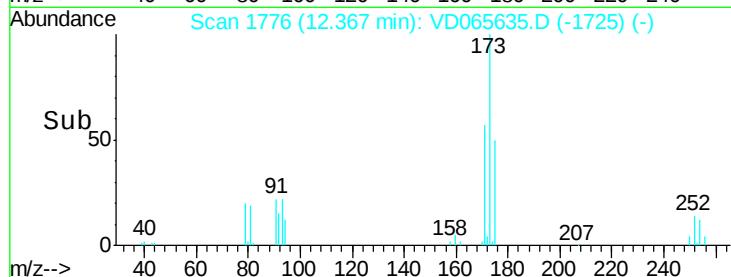
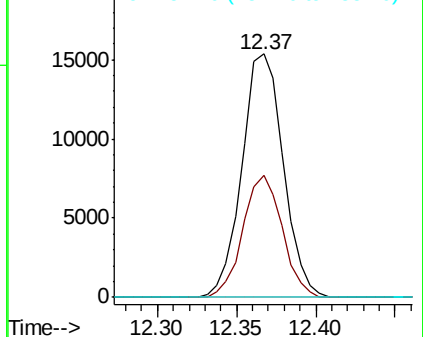
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

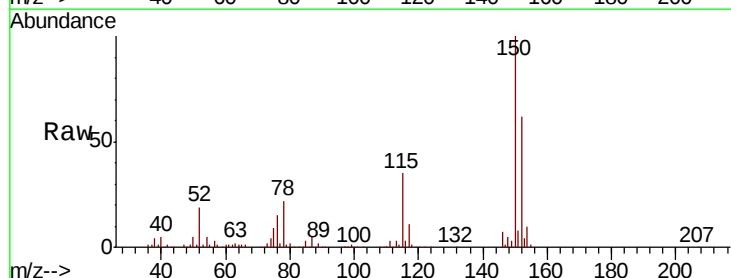
Tgt Ion:152 Resp: 171128

Ion Ratio Lower Upper

152 100

115 55.4 27.6 82.7

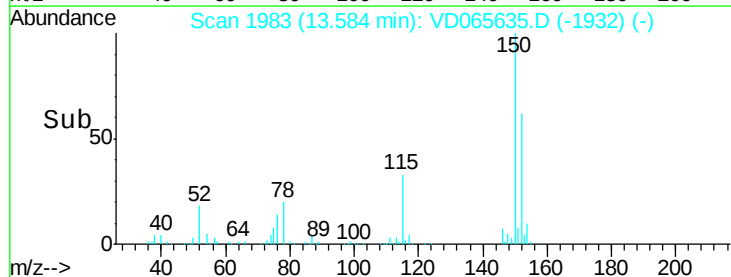
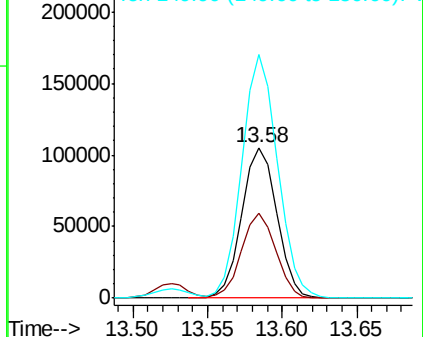
150 164.9 0.0 346.0

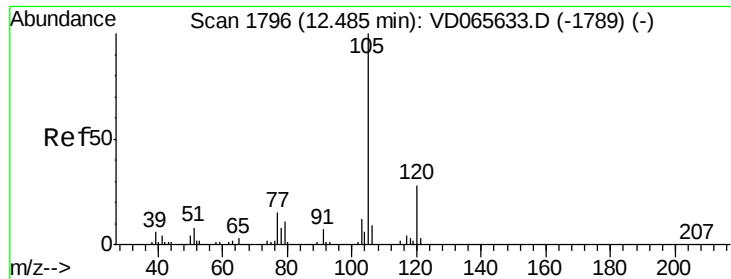


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.376 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

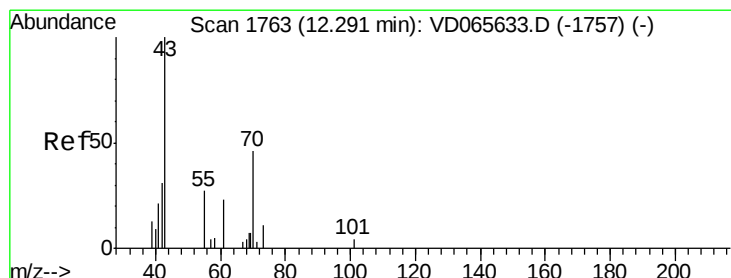
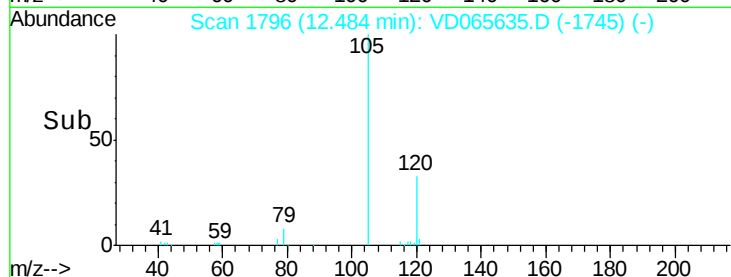
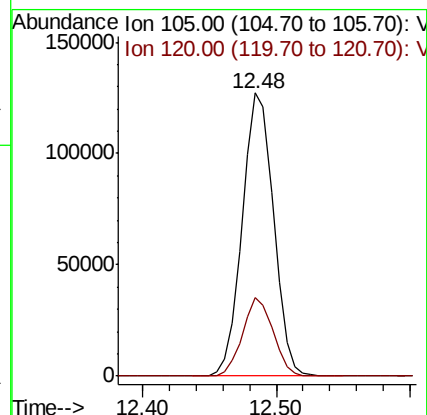
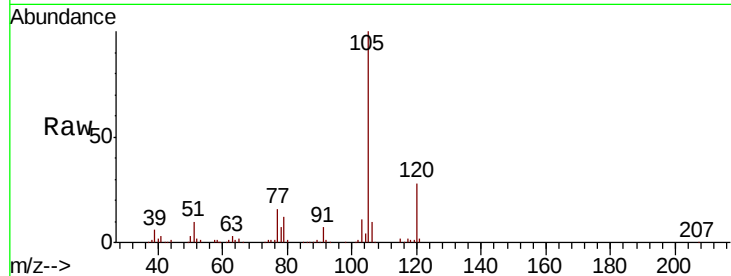
VSTDIC020

Tot Ion:105 Resp: 206332

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 18.398 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tgt Ion: 43 Resp: 40192

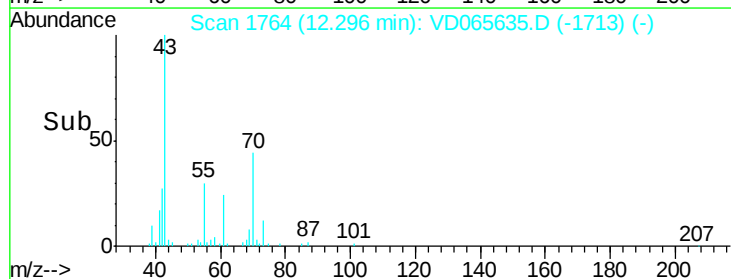
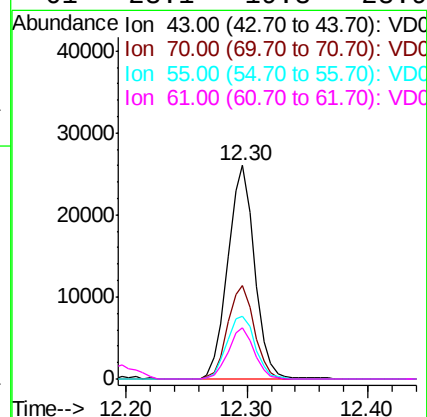
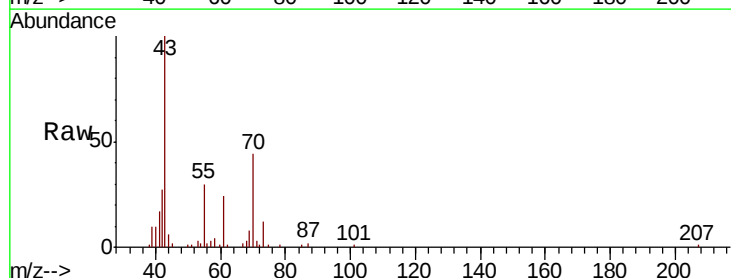
Ion Ratio Lower Upper

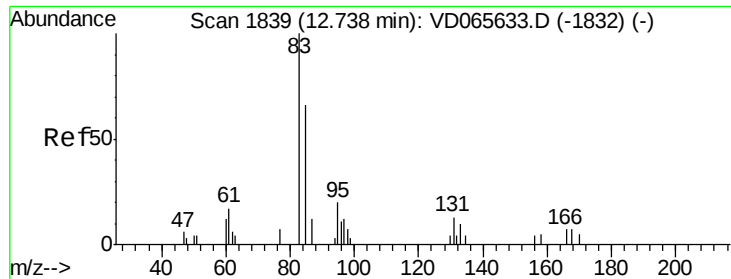
43 100

70 43.3 35.4 53.0

55 30.9 22.2 33.2

61 23.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.009 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

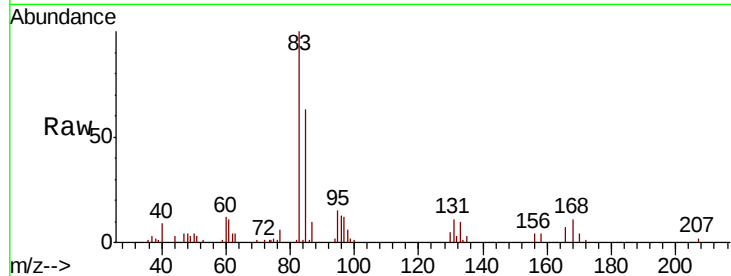
Tot Ion: 83 Resp: 36094

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.0

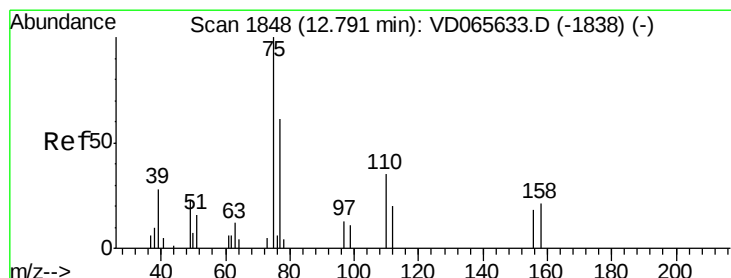
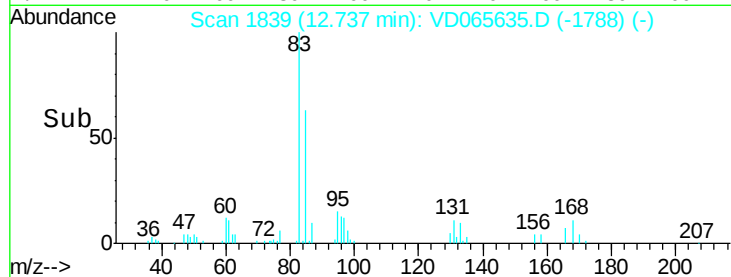
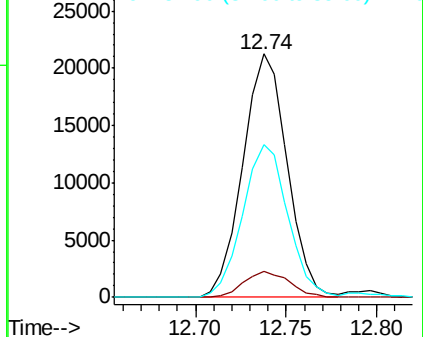
85 64.0 32.5 97.4



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: 33.106 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065635.D

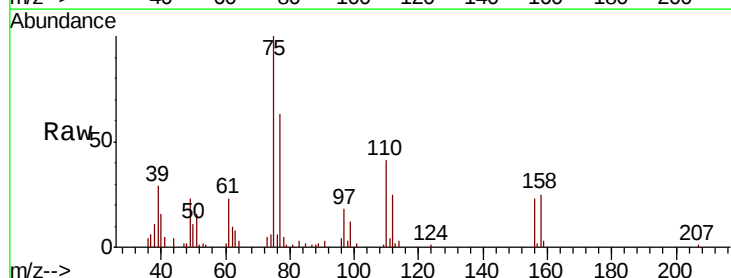
Acq: 15 Apr 2020 15:04

Tgt Ion: 75 Resp: 46633

Ion Ratio Lower Upper

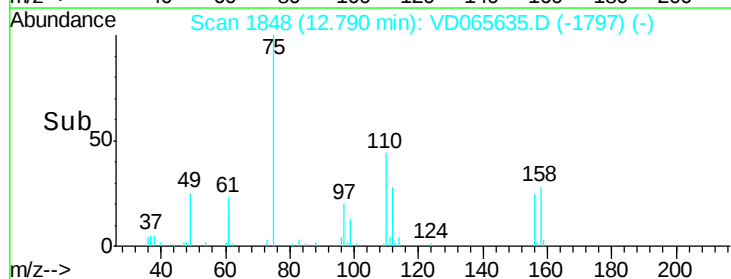
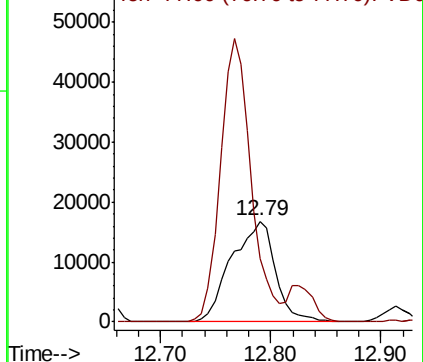
75 100

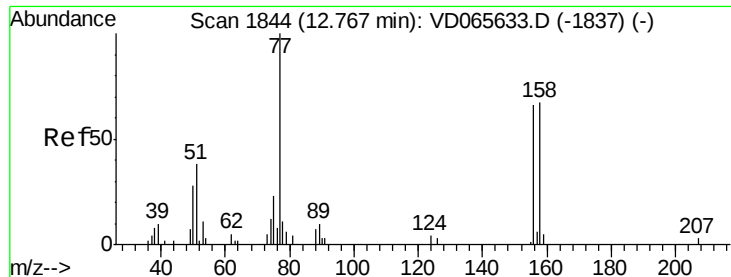
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

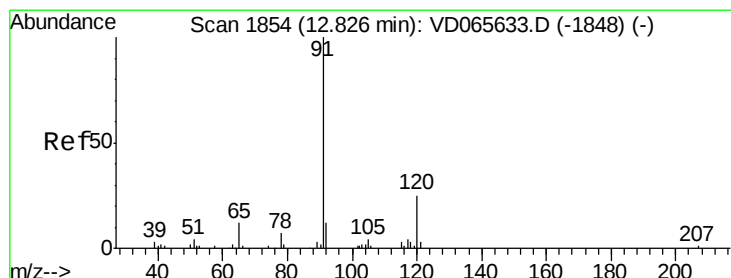
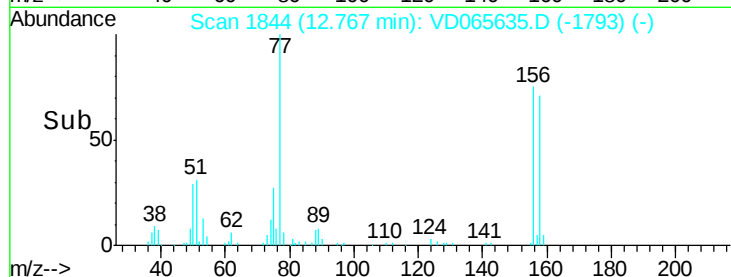
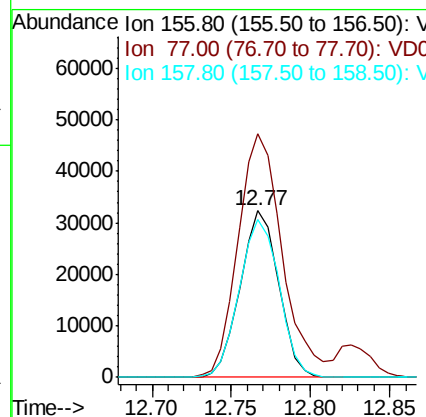
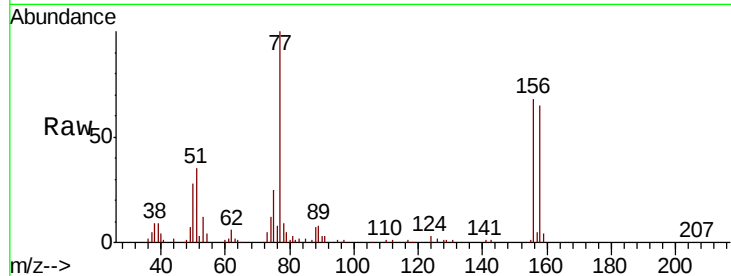




#77
Bromobenzene
Concen: 18.550 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

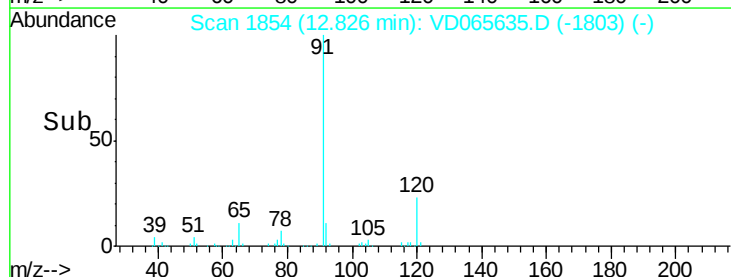
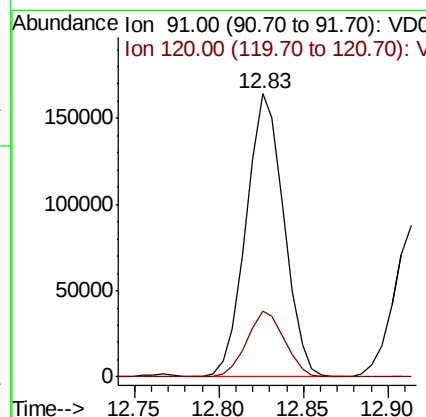
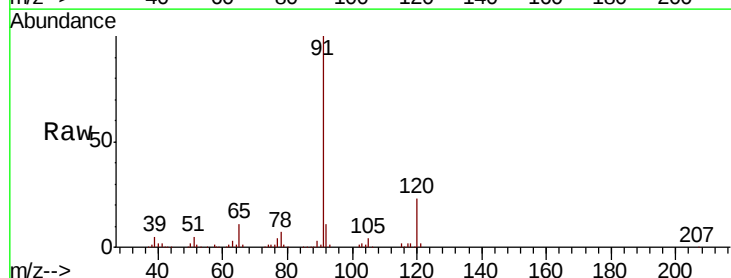
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

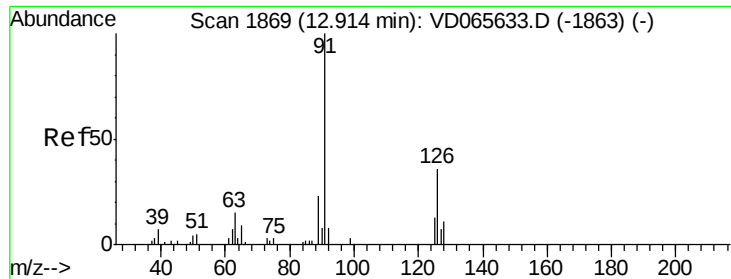
Tot Ion:156 Resp: 54531
Ion Ratio Lower Upper
156 100
77 167.5 84.7 254.1
158 98.4 48.5 145.5



#78
n-propylbenzene
Concen: 19.824 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 91 Resp: 255213
Ion Ratio Lower Upper
91 100
120 23.3 11.7 35.1

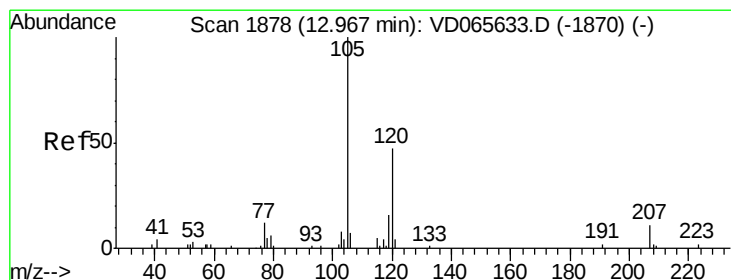
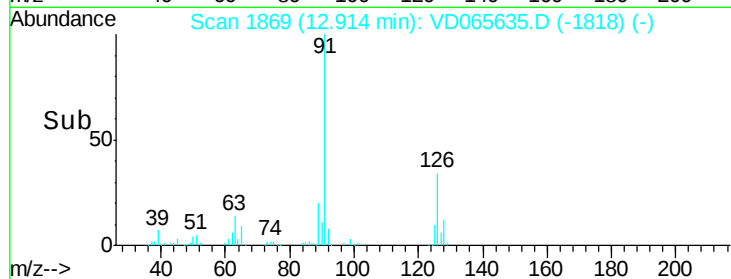
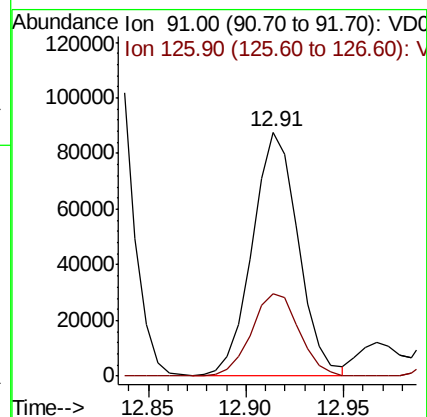
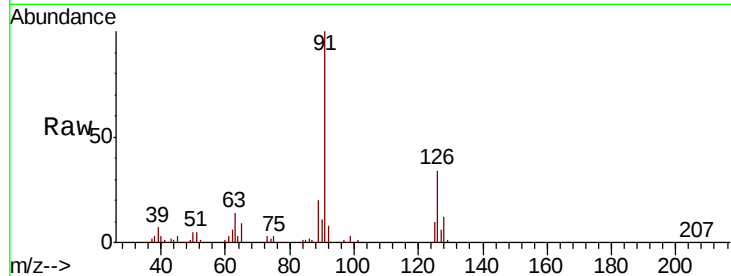




#79
2-Chlorotoluene
Concen: 19.336 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

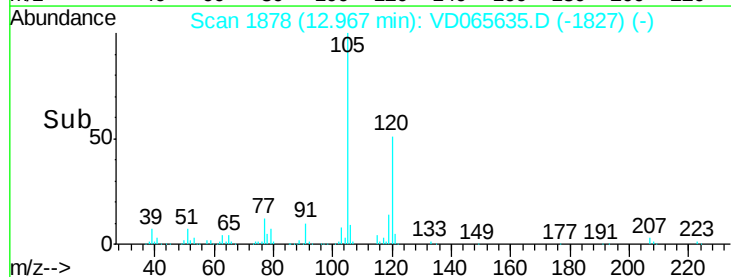
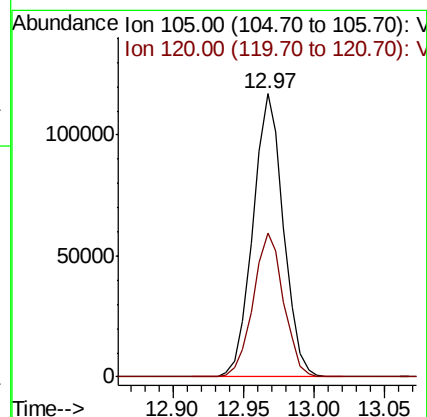
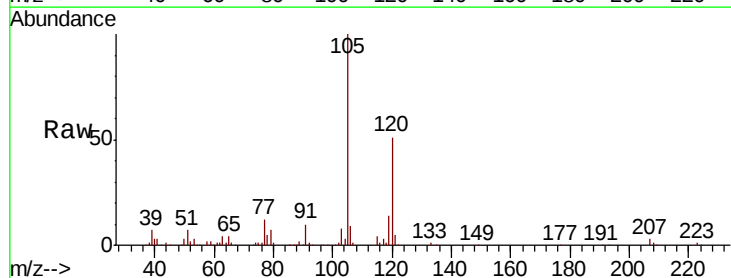
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

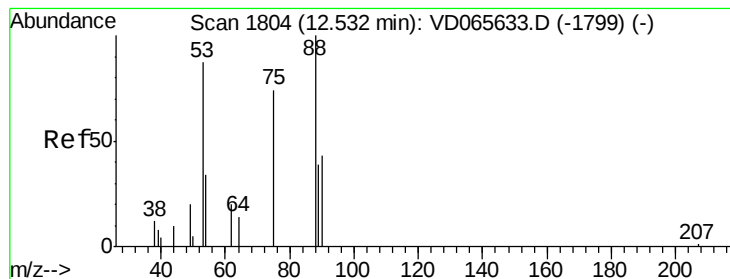
Tot Ion: 91 Resp: 142915
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 19.663 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion:105 Resp: 177463
Ion Ratio Lower Upper
105 100
120 50.9 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.185 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

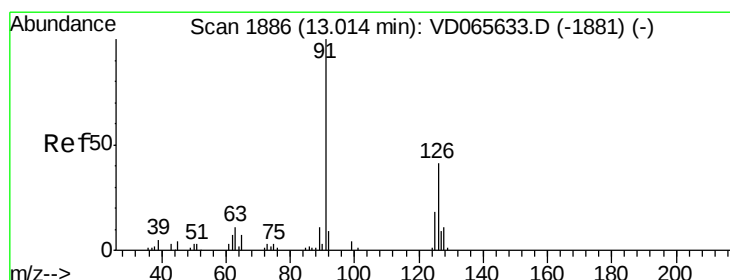
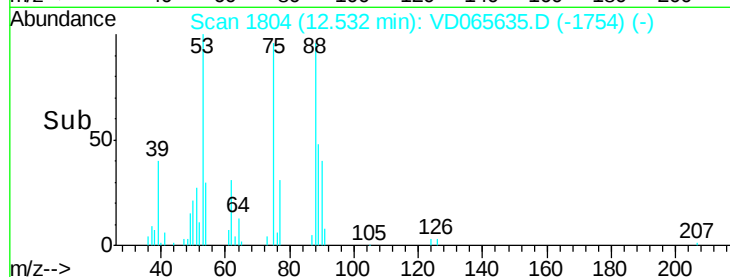
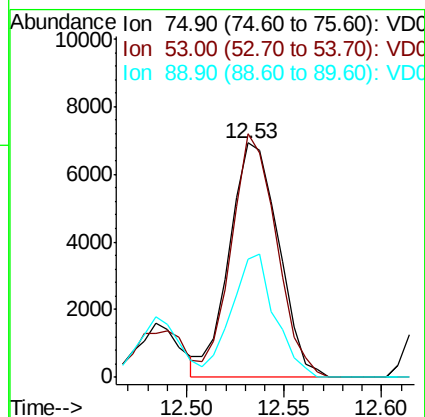
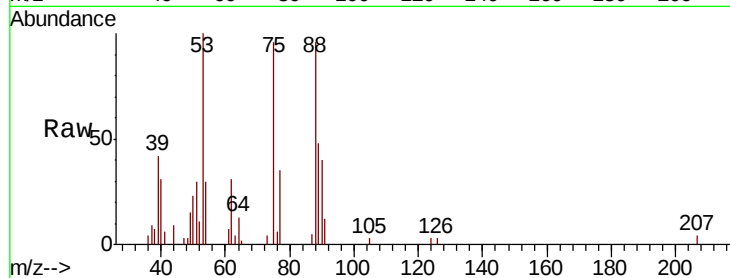
Tot Ion: 75 Resp: 12131

Ion Ratio Lower Upper

75 100

53 94.4 76.8 115.2

89 46.2 36.1 54.1



#82

4-Chlorotoluene

Concen: 19.601 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065635.D

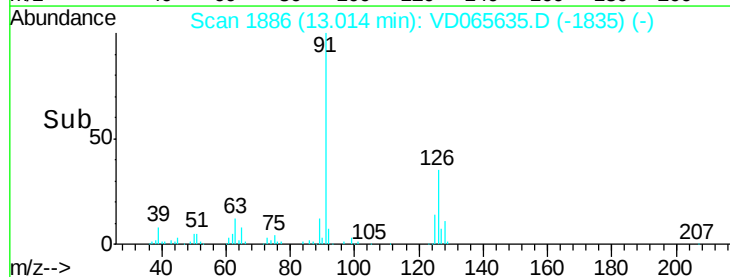
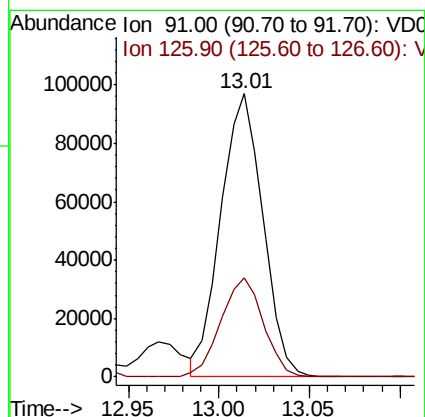
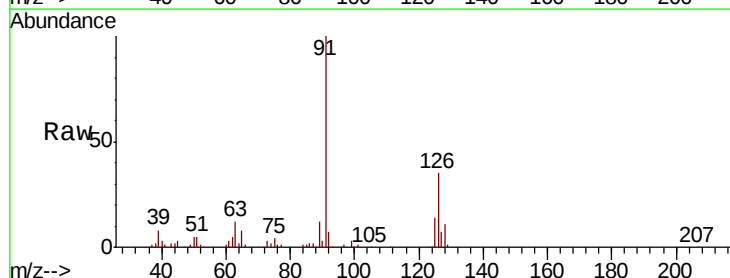
Acq: 15 Apr 2020 15:04

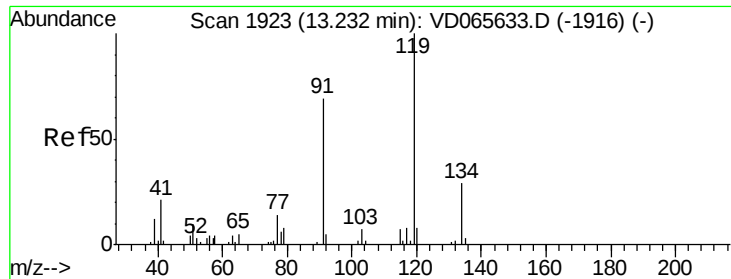
Tgt Ion: 91 Resp: 156485

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6

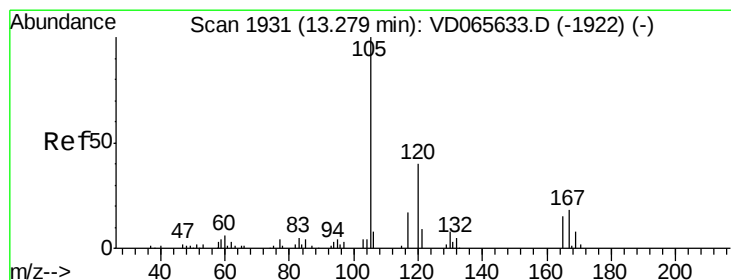
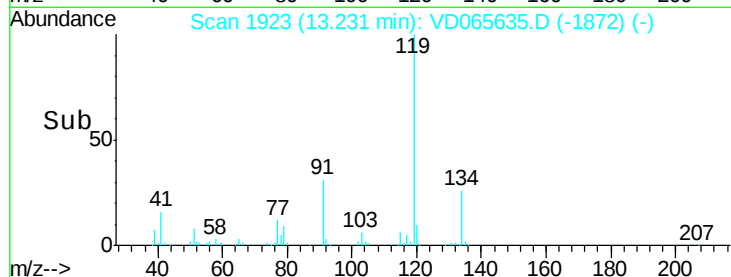
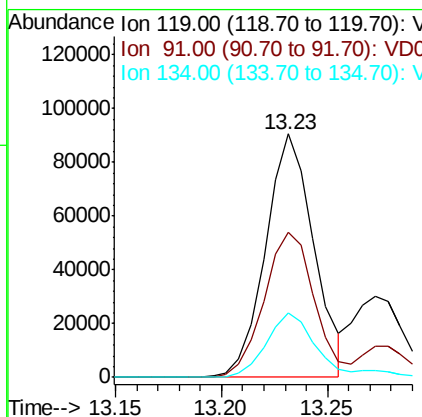
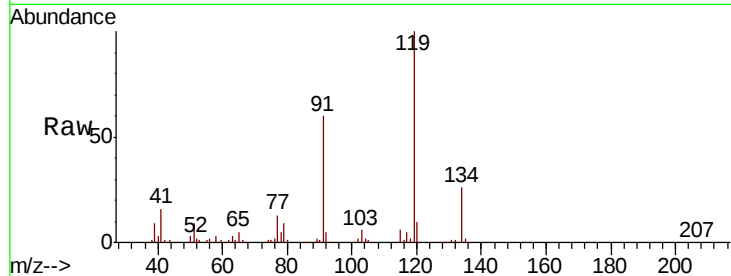




#83
 tert-Butylbenzene
 Concen: 19.233 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

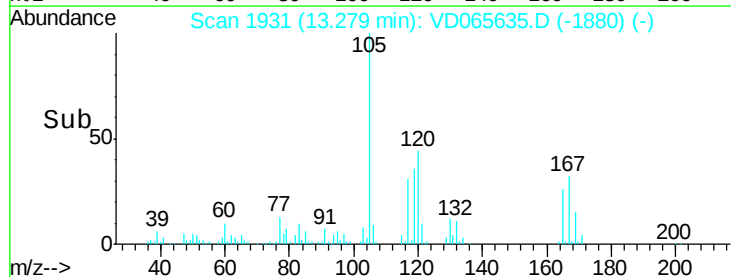
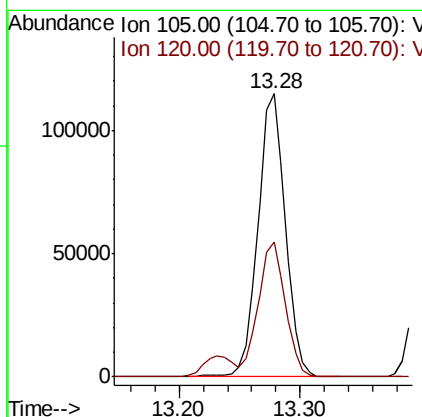
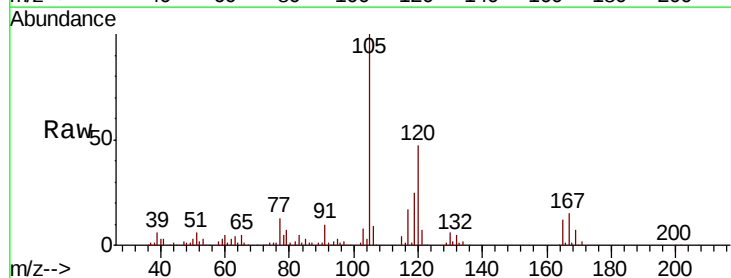
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

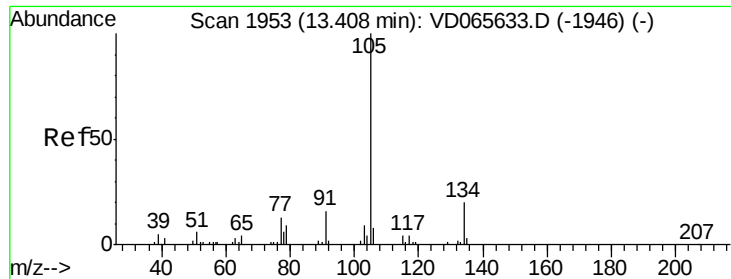
Tot Ion:119 Resp: 143707
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.7 95.1
 134 28.4 14.0 41.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.175 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion:105 Resp: 180478
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.5 70.6





#85

sec-Butylbenzene

Concen: 19.700 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

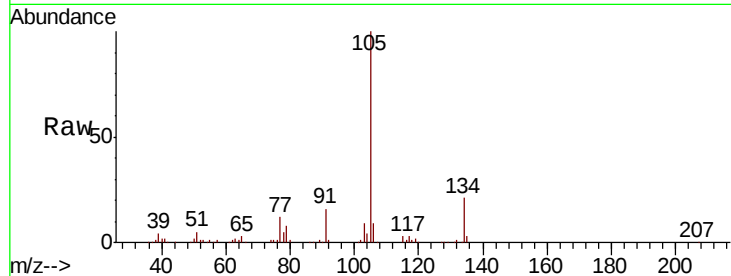
VSTDIC020

Tot Ion:105 Resp: 211274

Ion Ratio Lower Upper

105 100

134 21.4 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

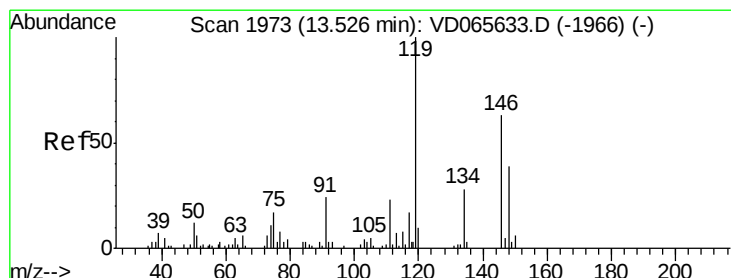
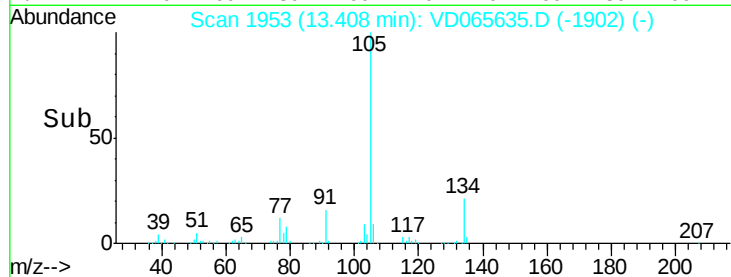
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.610 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

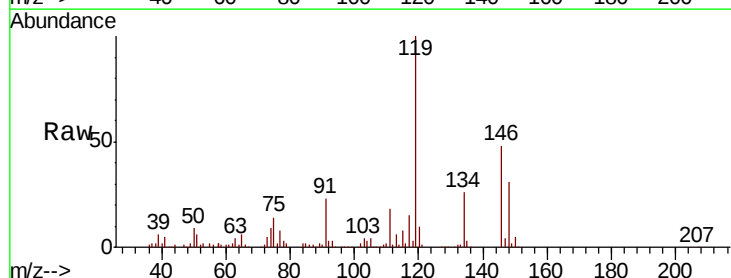
Tgt Ion:119 Resp: 193928

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.5 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

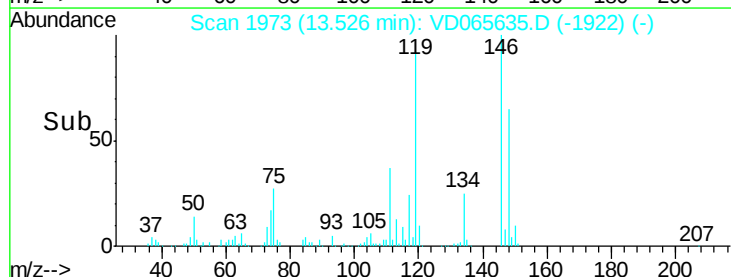
150000

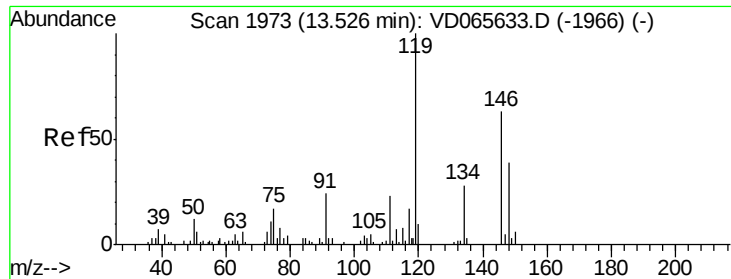
100000

50000

0

Time-->

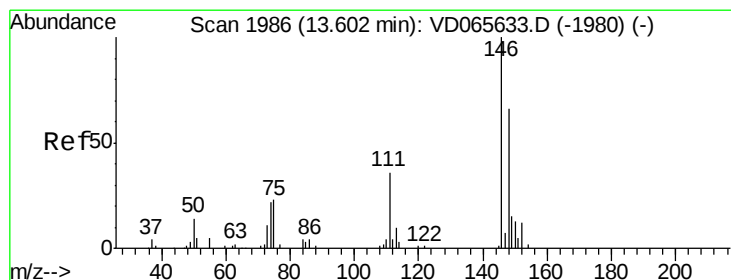
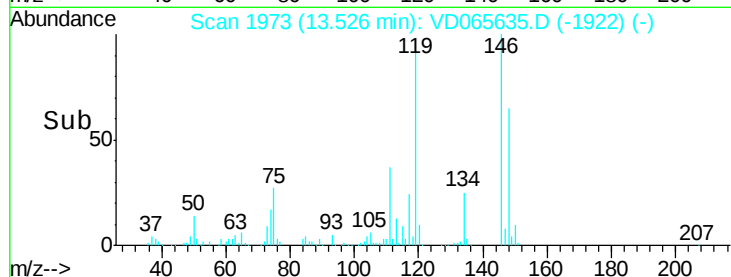
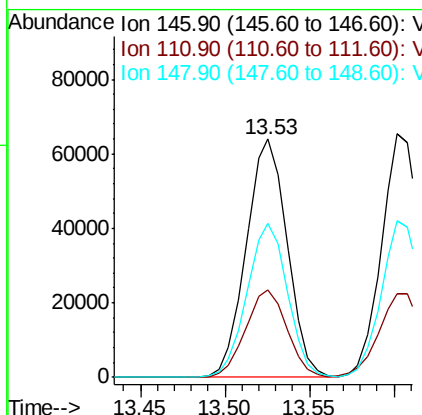
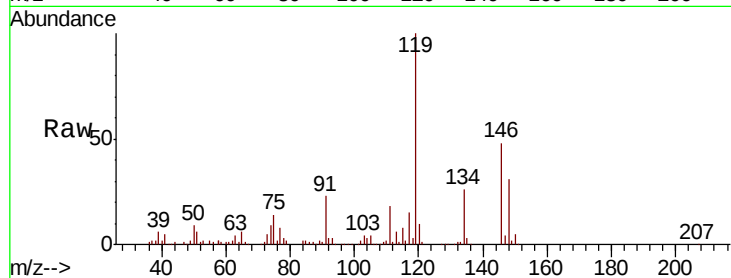




#87
 1,3-Dichlorobenzene
 Concen: 18.965 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

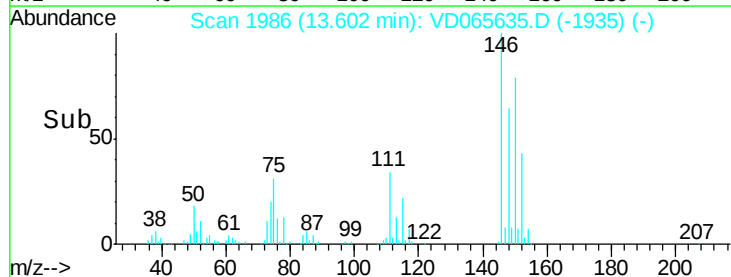
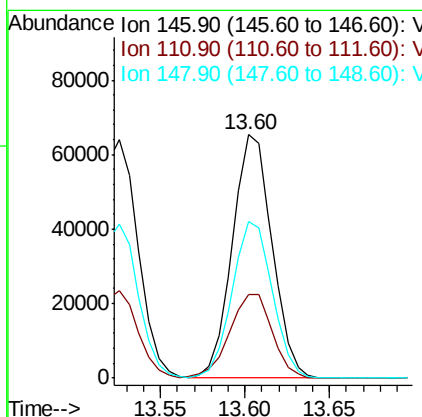
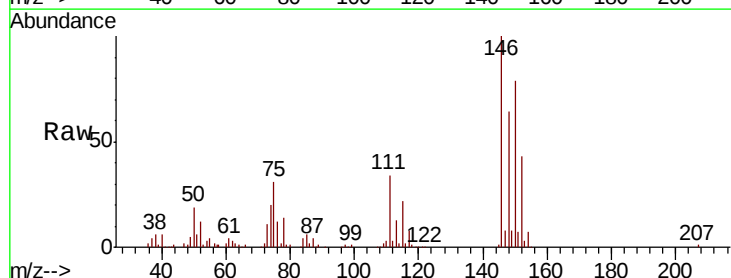
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

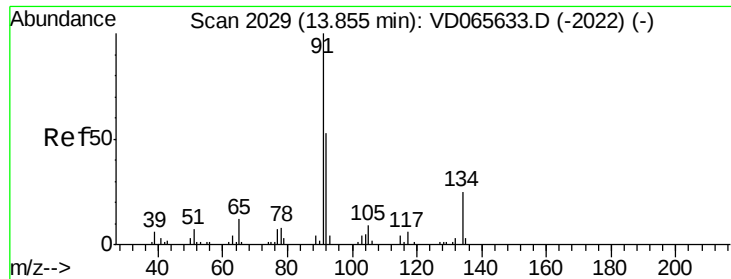
Tot Ion:146 Resp: 107976
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.6
 148 63.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 18.817 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion:146 Resp: 107059
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.0 54.0
 148 65.0 31.4 94.2

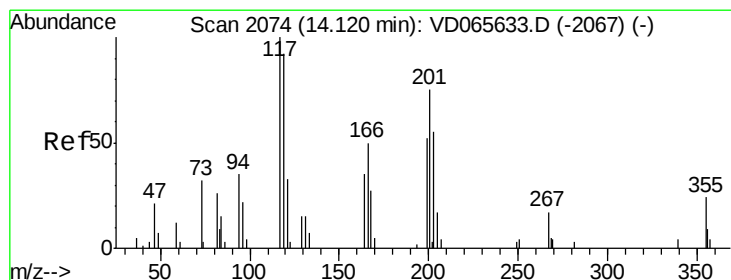
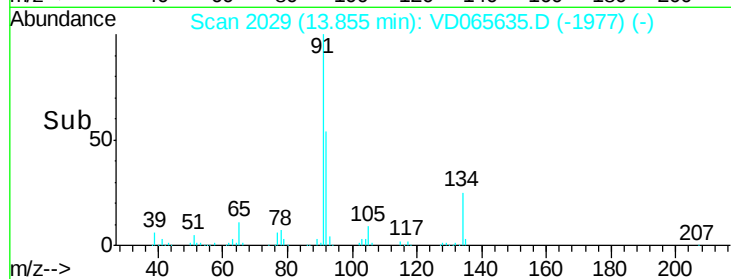
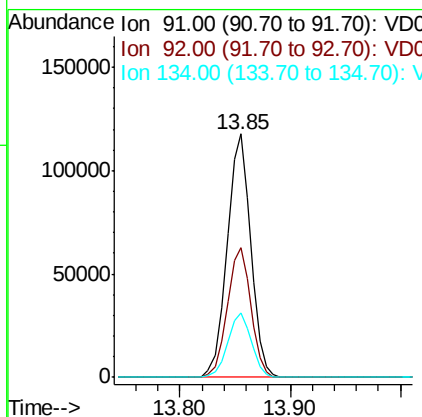
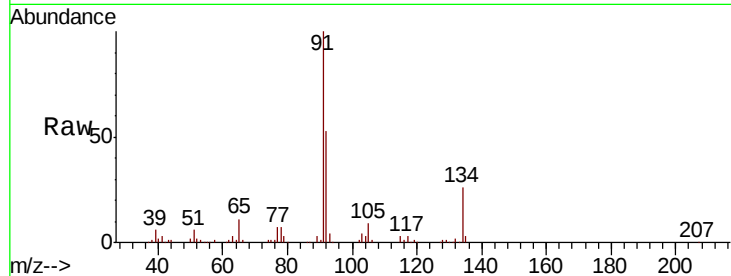




#89
n-Butylbenzene
Concen: 19.673 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

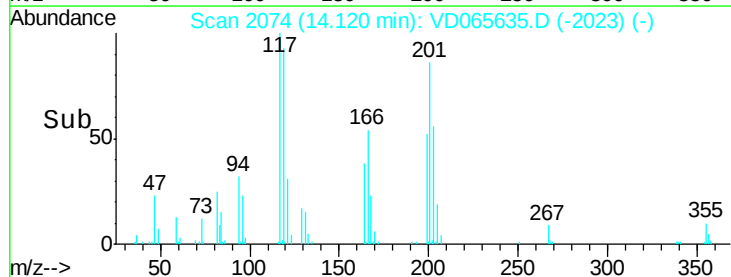
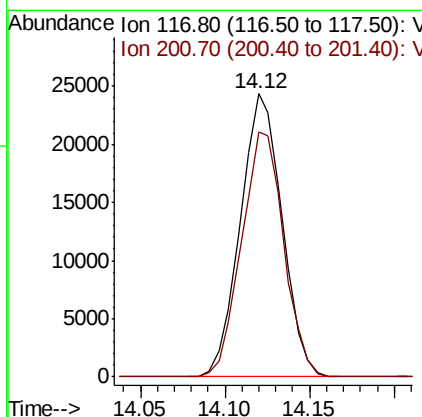
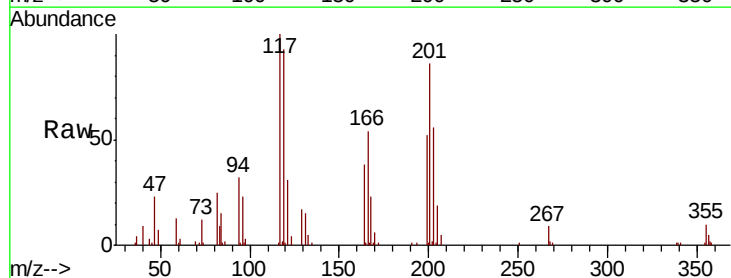
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

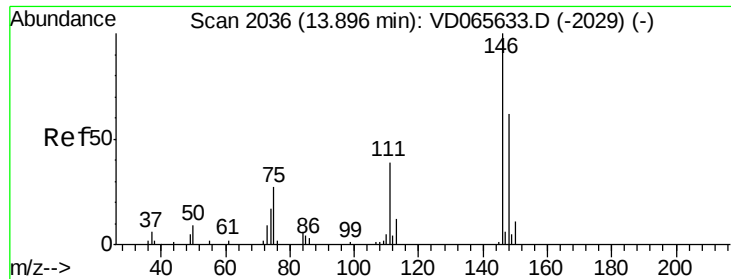
Tot Ion: 91 Resp: 176305
Ion Ratio Lower Upper
91 100
92 53.3 26.9 80.6
134 26.4 13.6 40.8



#90
Hexachloroethane
Concen: 19.310 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 117 Resp: 41804
Ion Ratio Lower Upper
117 100
201 87.5 44.9 134.7

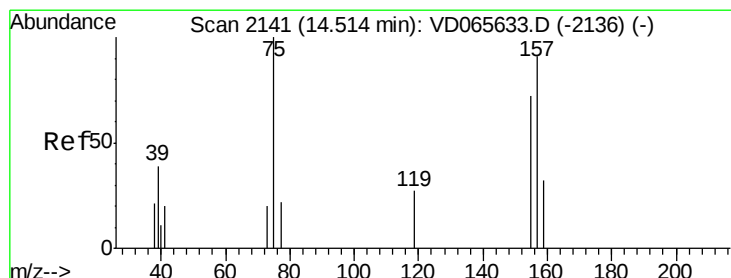
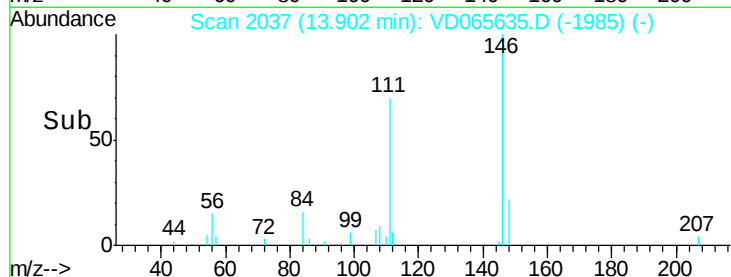
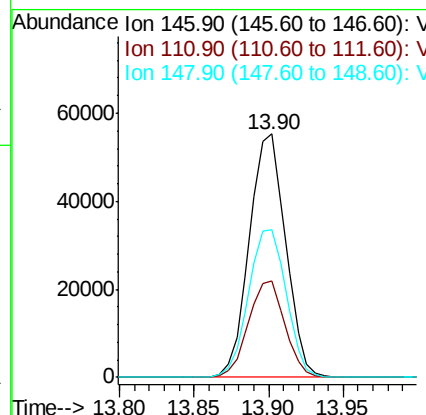
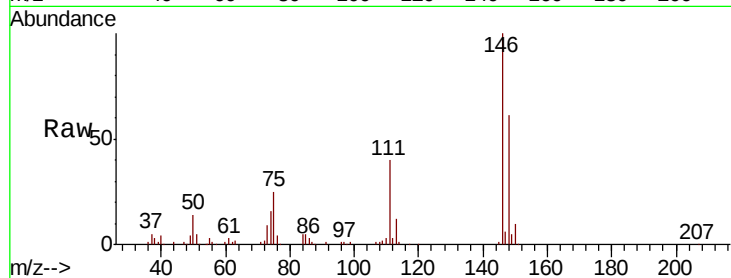




#91
 1,2-Dichlorobenzene
 Concen: 19.142 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

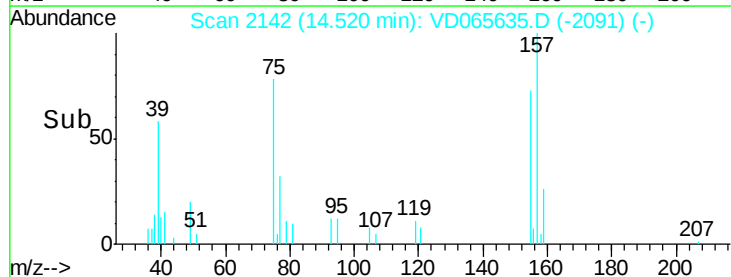
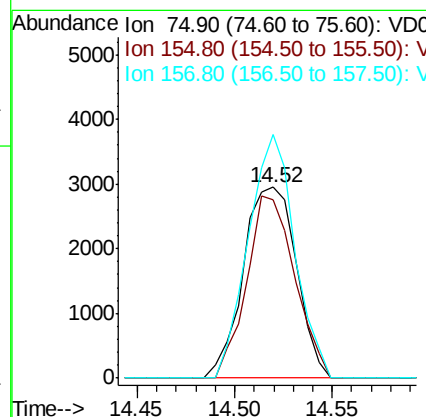
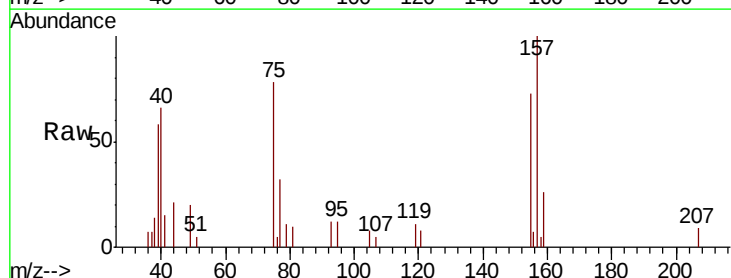
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

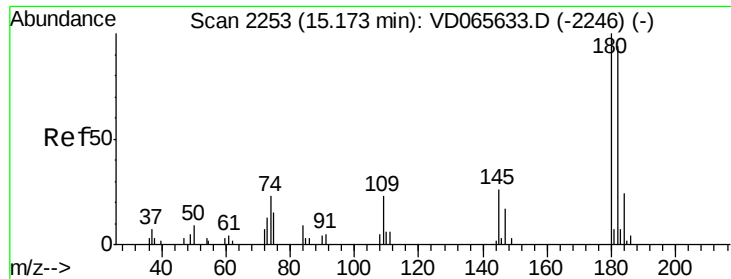
Tot Ion:146 Resp: 93013
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.3 57.9
 148 63.2 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.876 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion: 75 Resp: 5571
 Ion Ratio Lower Upper
 75 100
 155 86.0 48.0 144.2
 157 111.4 59.2 177.6

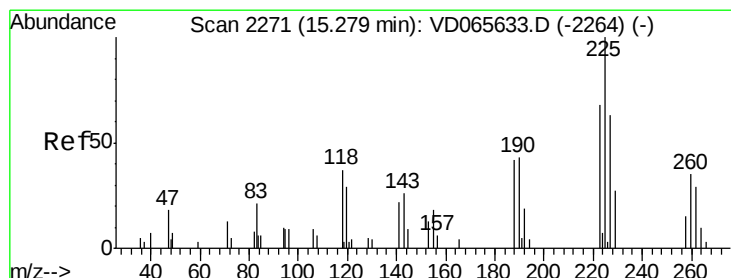
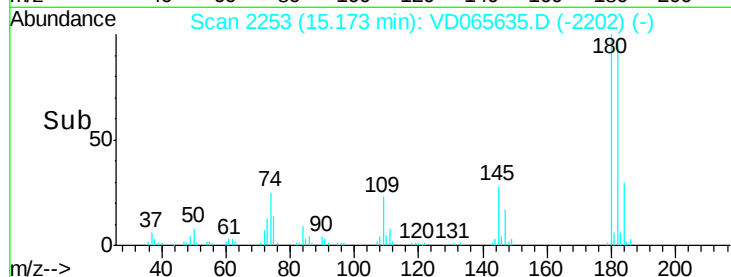
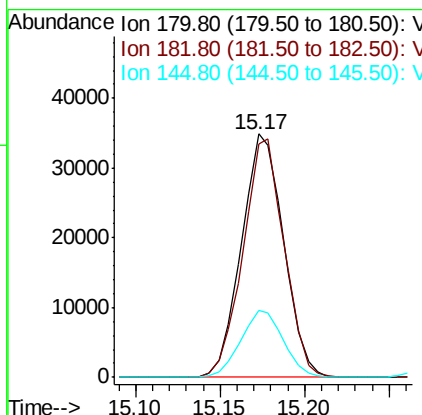
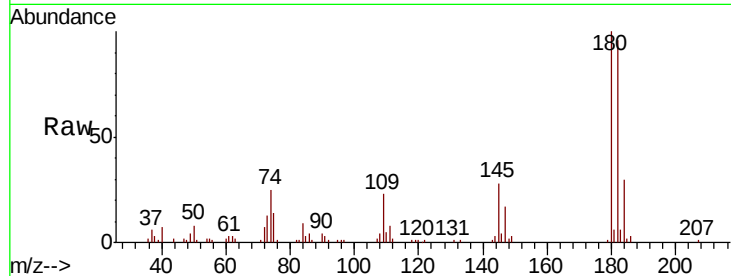




#93
 1,2,4-Trichlorobenzene
 Concen: 18.812 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

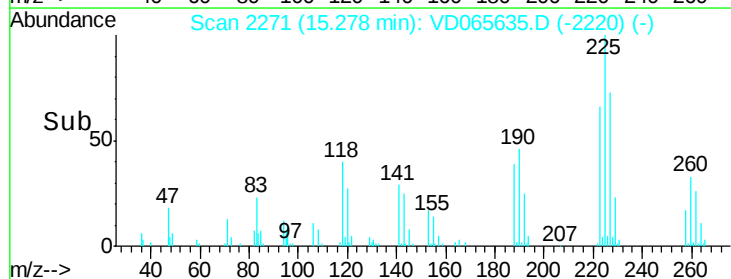
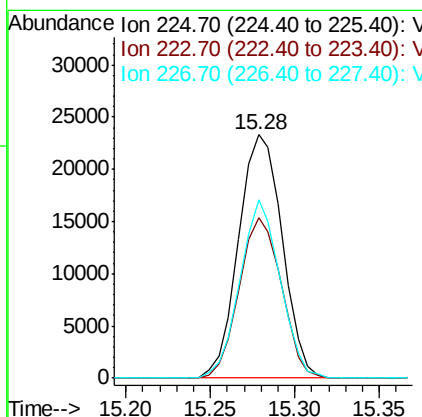
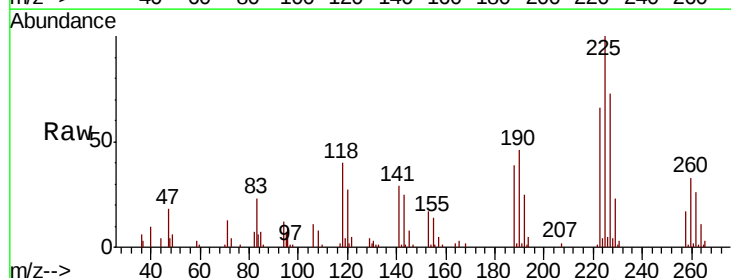
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

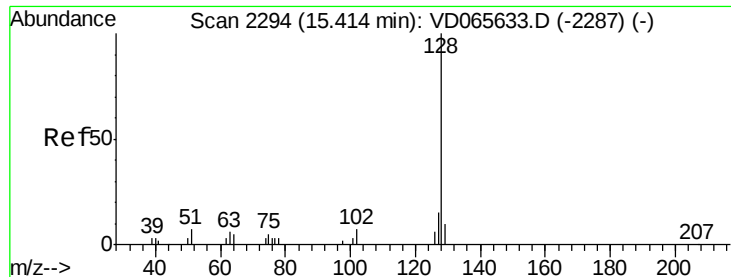
Tot Ion:180 Resp: 60417
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.9 146.6
 145 27.8 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 18.824 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion:225 Resp: 41914
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.9 95.5
 227 67.5 32.0 96.2

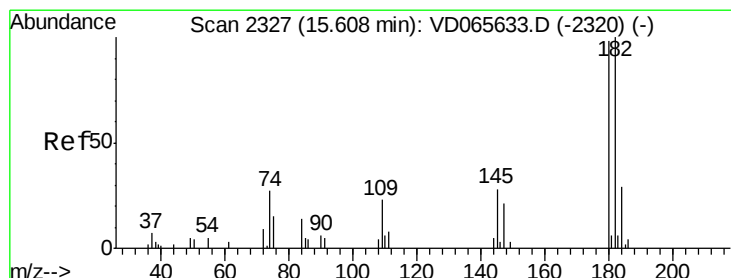
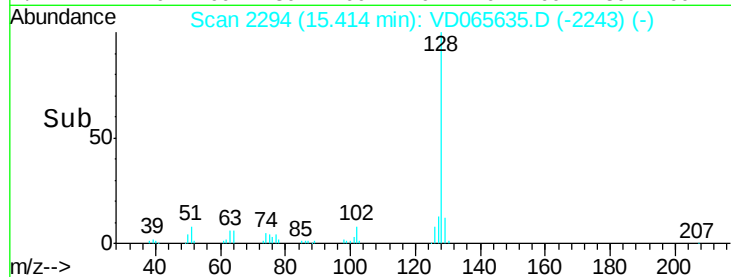
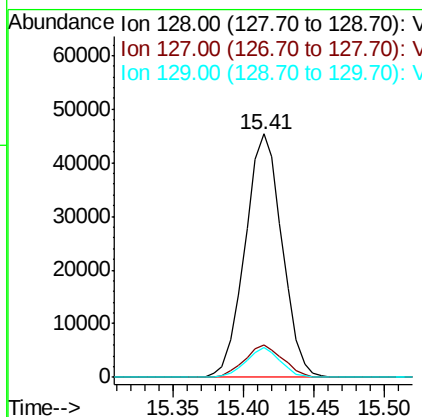
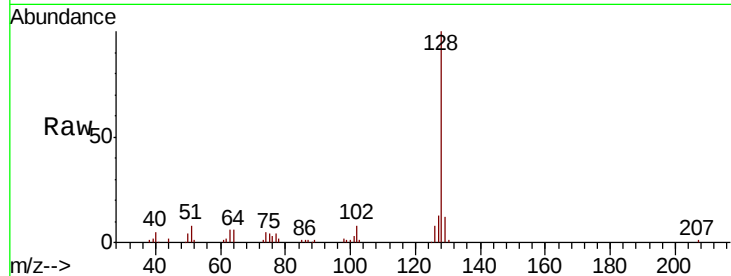




#95
Naphthalene
Concen: 17.643 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 83293
Ion Ratio Lower Upper
128 100
127 13.7 10.6 16.0
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.159 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion:180 Resp: 53890
Ion Ratio Lower Upper
180 100
182 95.8 47.8 143.3
145 31.1 15.0 45.0

