

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066538.D
 Acq On : 03 Sep 2020 15:29
 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: Sep 04 01:19:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:16:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	348149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	587625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	531519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	251459	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	83854	22.56	ug/l	0.00
Spiked Amount			Recovery	=	45.12%	
35) Dibromofluoromethane	7.91	113	77046	21.92	ug/l	0.00
Spiked Amount			Recovery	=	43.84%	
50) Toluene-d8	10.34	98	278710	21.24	ug/l	0.00
Spiked Amount			Recovery	=	42.48%	
62) 4-Bromofluorobenzene	12.63	95	93060	19.93	ug/l	0.00
Spiked Amount			Recovery	=	39.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	73351	24.599	ug/l	91
3) Chloromethane	2.21	50	94900	44.008	ug/l	94
4) Vinyl Chloride	2.34	62	104104	40.425	ug/l	96
5) Bromomethane	2.76	94	72509	35.792	ug/l #	73
6) Chloroethane	2.92	64	67068	39.324	ug/l	94
7) Trichlorofluoromethane	3.27	101	153631	23.108	ug/l	100
8) Diethyl Ether	3.70	74	37476	28.106	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	83817	28.698	ug/l	97
10) Methyl Iodide	4.30	142	58752	19.170	ug/l	99
11) Tert butyl alcohol	5.20	59	36283	132.700	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	73971	27.341	ug/l	99
13) Acrolein	3.91	56	18115	143.715	ug/l	91
14) Allyl chloride	4.71	41	120701	36.337	ug/l	99
15) Acrylonitrile	5.43	53	81714	164.068	ug/l	99
16) Acetone	4.16	43	75423	129.898	ug/l	98
17) Carbon Disulfide	4.40	76	243190	30.150	ug/l	98
18) Methyl Acetate	4.71	43	37707	36.860	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	168334	24.159	ug/l	92
20) Methylene Chloride	4.96	84	105607	30.581	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	88729	28.212	ug/l	89
22) Diisopropyl ether	6.36	45	255620	37.694	ug/l	99
23) Vinyl Acetate	6.31	43	691877	163.056	ug/l	98
24) 1,1-Dichloroethane	6.26	63	158072	31.679	ug/l	98
25) 2-Butanone	7.21	43	103648	161.538	ug/l	99
26) 2,2-Dichloropropane	7.20	77	139915	23.821	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	90491	26.640	ug/l	95
28) Bromochloromethane	7.54	49	57788	37.055	ug/l	99
29) Tetrahydrofuran	7.56	42	66608	190.491	ug/l	99
30) Chloroform	7.70	83	166167	27.107	ug/l	95
31) Cyclohexane	7.98	56	140084	31.637	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	153389	23.297	ug/l	97
36) 1,1-Dichloropropene	8.11	75	126132	23.943	ug/l	99
37) Ethyl Acetate	7.29	43	51640	30.496	ug/l	97
38) Carbon Tetrachloride	8.08	117	135404	17.975	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	136450	22.079	ug/l	98
40) Benzene	8.34	78	346508	25.274	ug/l	96
41) Methacrylonitrile	7.56	41	68551	76.104	ug/l #	33
42) 1,2-Dichloroethane	8.42	62	111085	20.098	ug/l	98
43) Isopropyl Acetate	8.45	43	92193	26.692	ug/l	99
44) Trichloroethene	9.10	130	88757	19.685	ug/l	96
45) 1,2-Dichloropropane	9.38	63	87677	30.562	ug/l	95
46) Dibromomethane	9.47	93	49261	25.002	ug/l	94
47) Bromodichloromethane	9.66	83	125799	21.813	ug/l	97
48) Methyl methacrylate	9.45	41	45208	25.649	ug/l	97
49) 1,4-Dioxane	9.47	88	10550	462.710	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	234911	144.994	ug/l	97
52) Toluene	10.40	92	219255	22.923	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	112633	21.512	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	134629	23.821	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	61100	24.496	ug/l	97
56) Ethyl methacrylate	10.66	69	67599	22.719	ug/l	98
57) 1,3-Dichloropropane	10.94	76	106986	25.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	181156	151.175	ug/l	98
59) 2-Hexanone	10.98	43	155926	134.155	ug/l	99
60) Dibromochloromethane	11.14	129	79233	19.933	ug/l	98
61) 1,2-Dibromoethane	11.24	107	58111	22.821	ug/l	98
64) Tetrachloroethene	10.87	164	76121	18.918	ug/l	89
65) Chlorobenzene	11.67	112	223855	21.439	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	85515	19.662	ug/l	99
67) Ethyl Benzene	11.74	91	410108	22.059	ug/l	98
68) m/p-Xylenes	11.85	106	309475	43.096	ug/l	99
69) o-Xylene	12.18	106	141202	20.889	ug/l	95
70) Styrene	12.19	104	241175	20.824	ug/l	100
71) Bromoform	12.36	173	42164	18.009	ug/l #	97
73) Isopropylbenzene	12.48	105	377219	22.062	ug/l	100
74) N-amyl acetate	12.29	43	84422	29.989	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	64771	29.433	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	87247	50.015	ug/l #	100
77) Bromobenzene	12.76	156	83513	19.729	ug/l	97
78) n-propylbenzene	12.82	91	461792	24.205	ug/l	99
79) 2-Chlorotoluene	12.91	91	263841	24.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	324664	21.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20872	27.664	ug/l	94
82) 4-Chlorotoluene	13.01	91	281418	24.013	ug/l	99
83) tert-Butylbenzene	13.23	119	258392	20.165	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	331624	22.476	ug/l	97
85) sec-Butylbenzene	13.40	105	377322	22.631	ug/l	99
86) p-Isopropyltoluene	13.52	119	342187	20.896	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	167468	21.110	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	169224	21.182	ug/l	98
89) n-Butylbenzene	13.85	91	325335	23.145	ug/l	99
90) Hexachloroethane	14.12	117	73050	24.147	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	143870	20.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10977	20.894	ug/l	94

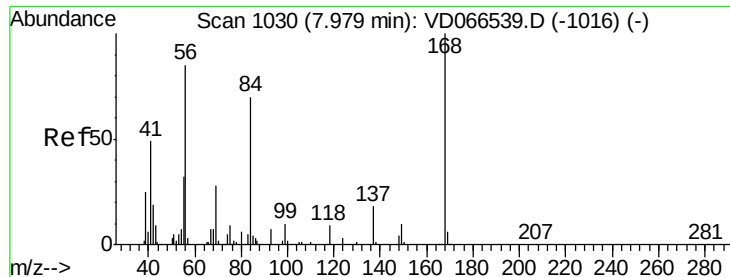
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090320\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87490	16.760	ug/l	98
94) Hexachlorobutadiene	15.27	225	52343	15.621	ug/l	98
95) Naphthalene	15.41	128	142881	17.158	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74531	16.474	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

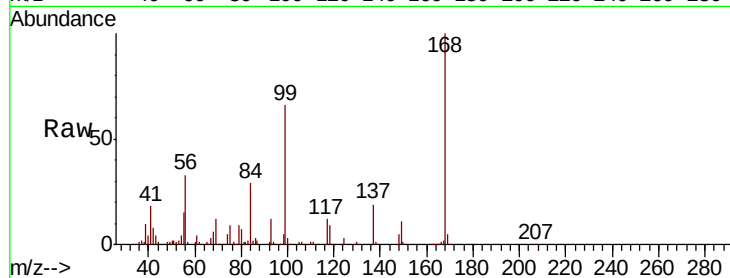
VSTDIC020

Tot Ion:168 Resp: 348149

Ion Ratio Lower Upper

168 100

99 65.6 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

150000

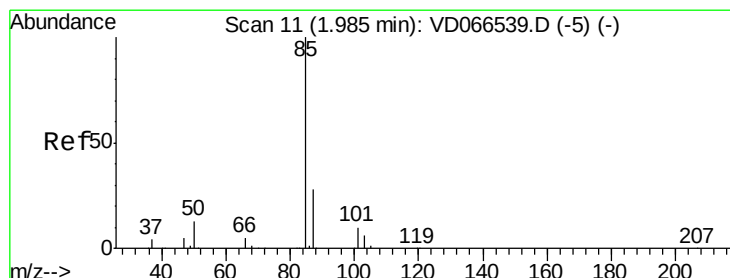
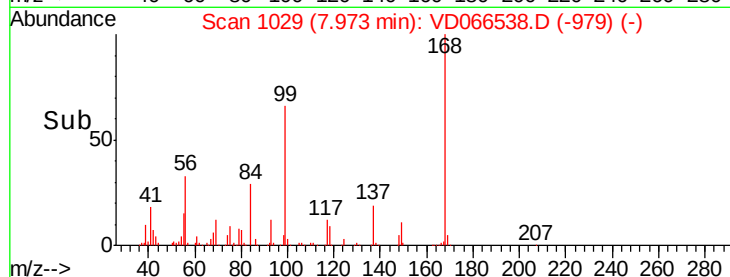
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.599 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066538.D

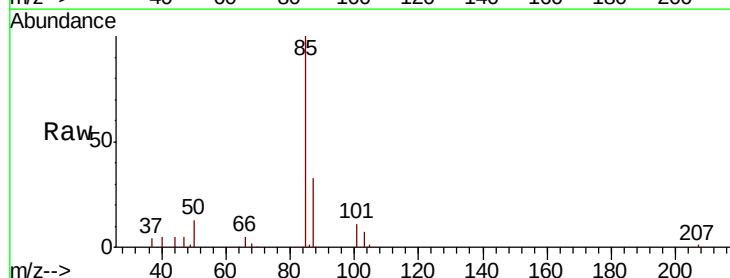
Acq: 03 Sep 2020 15:29

Tgt Ion: 85 Resp: 73351

Ion Ratio Lower Upper

85 100

87 32.9 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

60000

50000

40000

30000

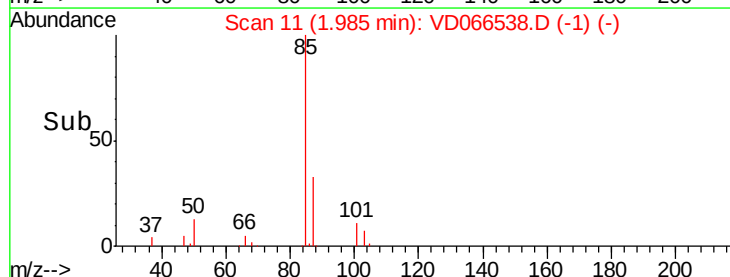
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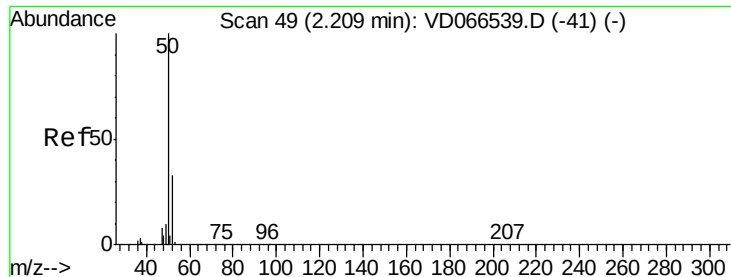
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.008 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

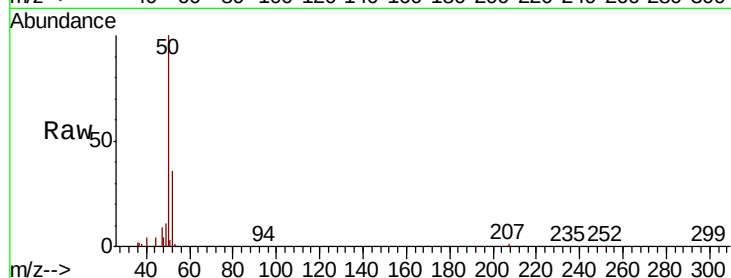
VSTDIC020

Tot Ion: 50 Resp: 94900

Ion Ratio Lower Upper

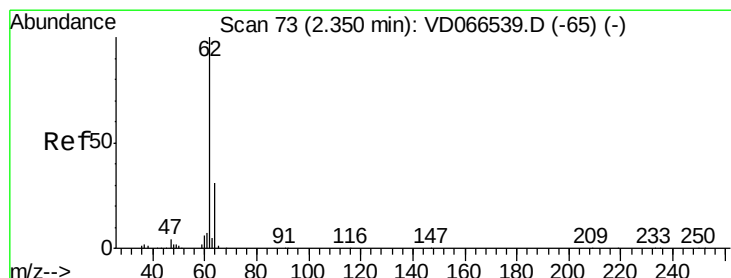
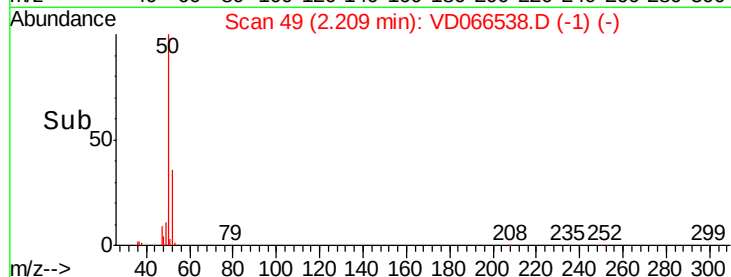
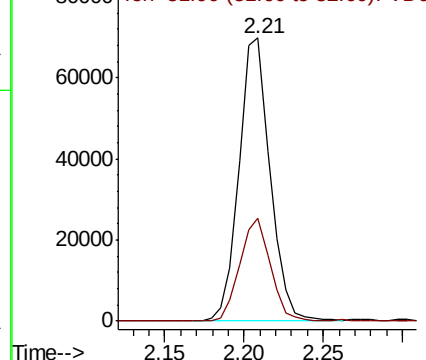
50 100

52 36.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 40.425 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066538.D

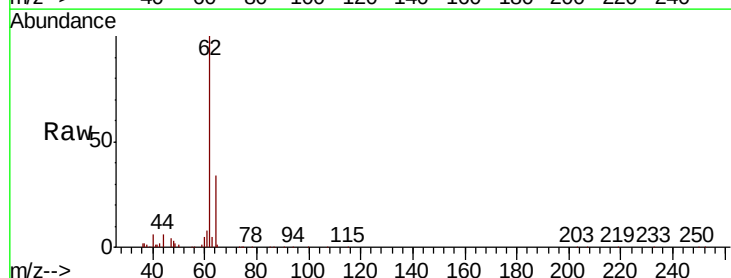
Acq: 03 Sep 2020 15:29

Tgt Ion: 62 Resp: 104104

Ion Ratio Lower Upper

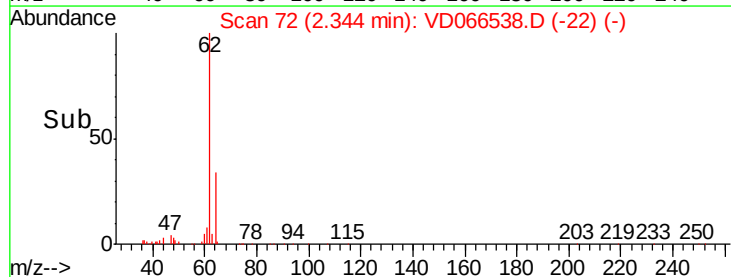
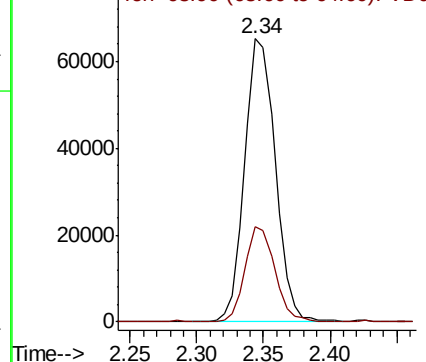
62 100

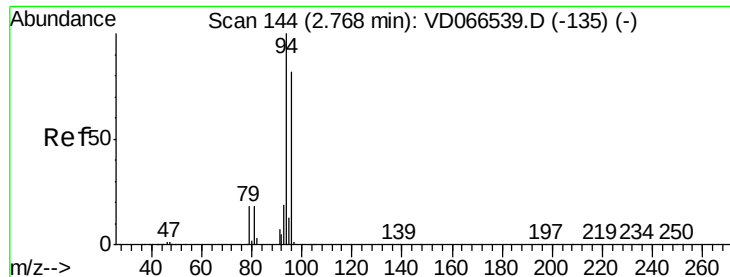
64 33.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 35.792 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

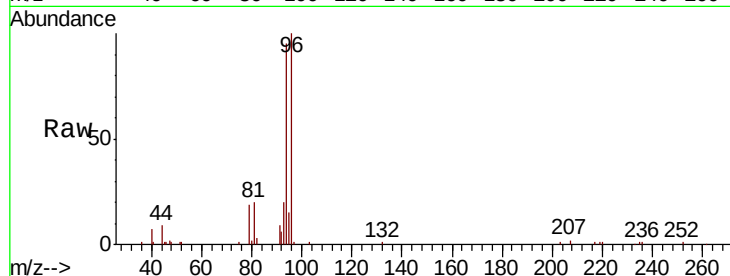
VSTDIC020

Tot Ion: 94 Resp: 72509

Ion Ratio Lower Upper

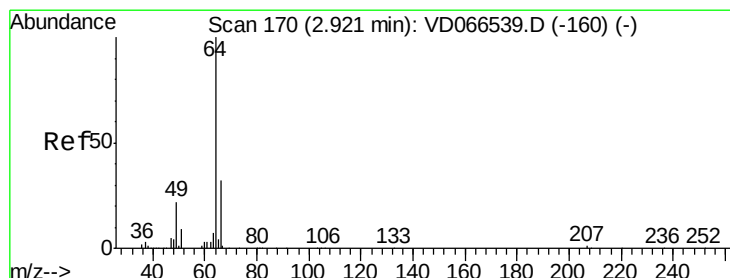
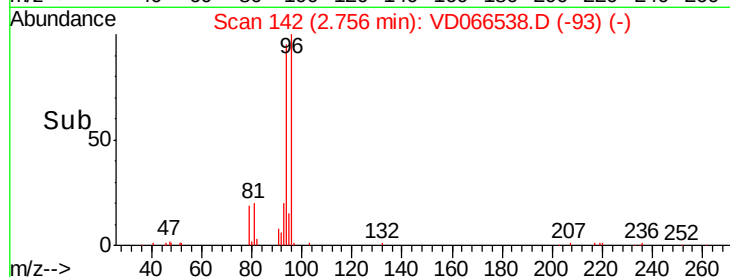
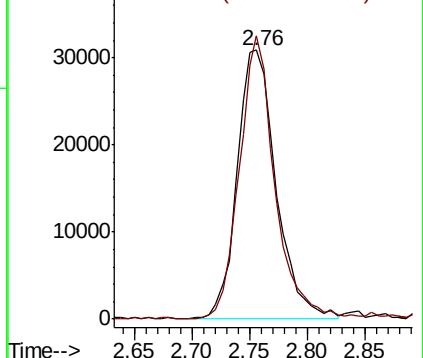
94 100

96 105.3 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 39.324 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066538.D

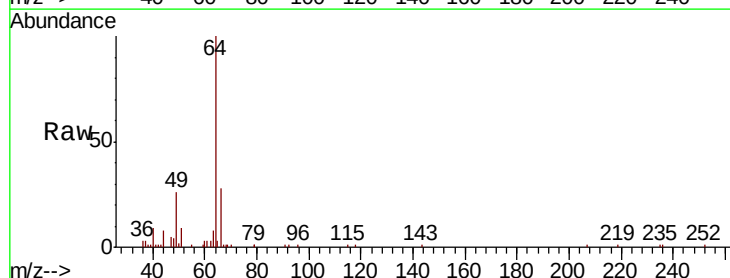
Acq: 03 Sep 2020 15:29

Tgt Ion: 64 Resp: 67068

Ion Ratio Lower Upper

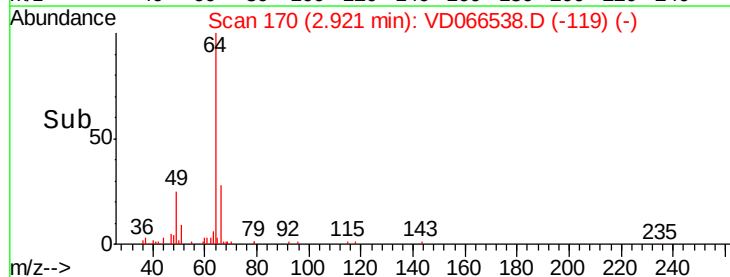
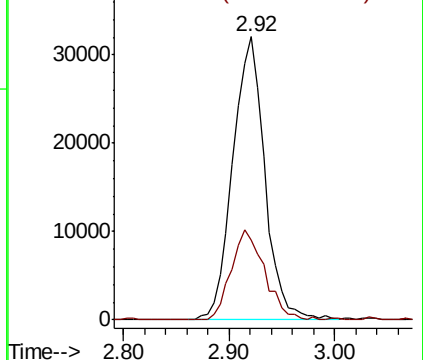
64 100

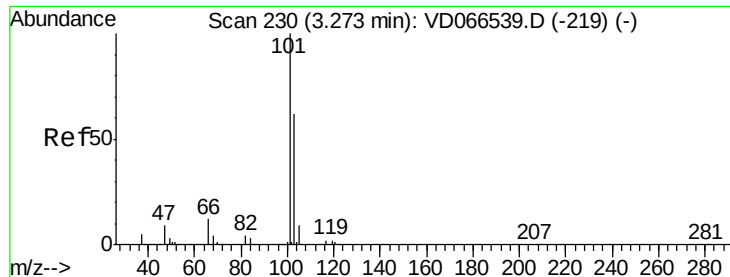
66 28.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



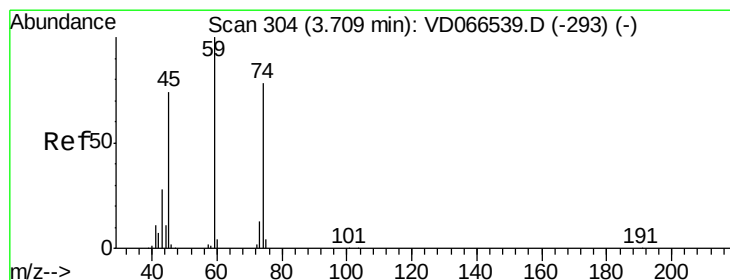
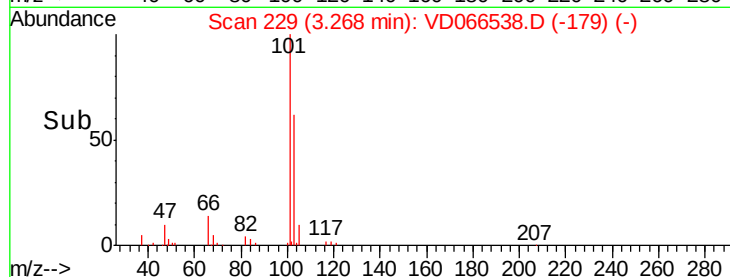
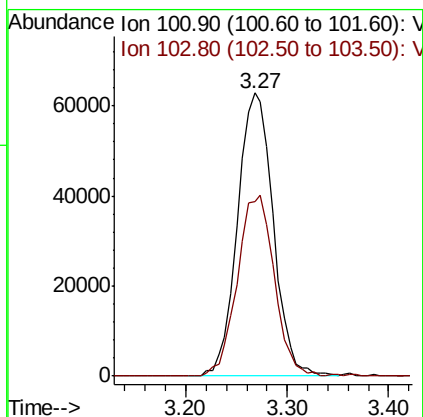
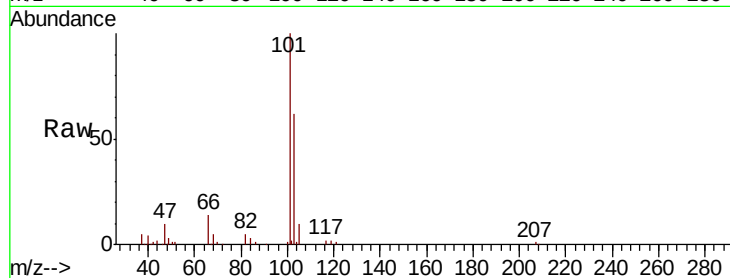


#7

Trichlorofluoromethane
 Concen: 23.108 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

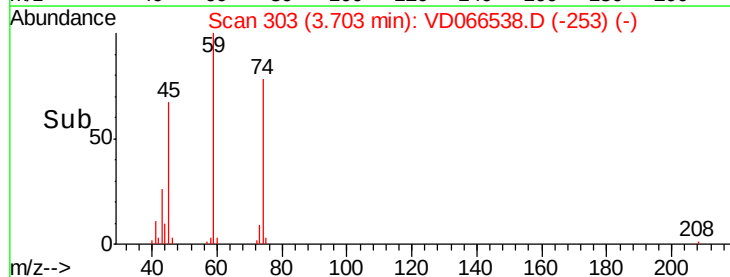
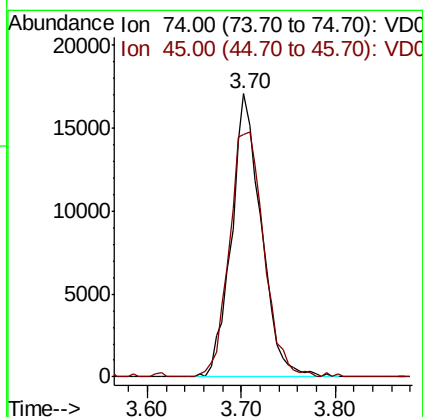
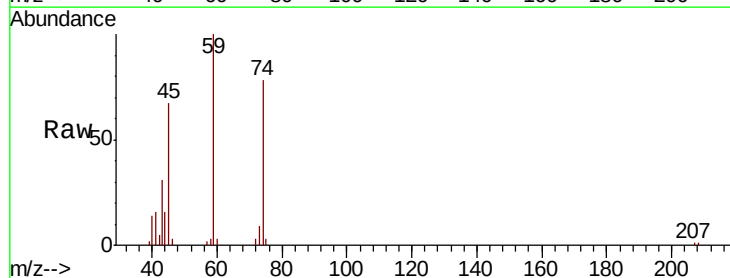
Tot Ion:101 Resp: 153631
 Ion Ratio Lower Upper
 101 100
 103 61.9 49.7 74.5

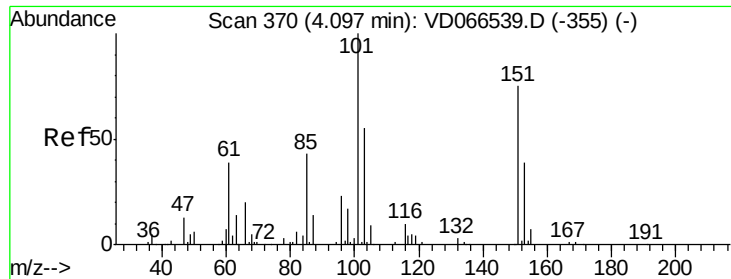


#8

Diethyl Ether
 Concen: 28.106 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion: 74 Resp: 37476
 Ion Ratio Lower Upper
 74 100
 45 100.9 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.698 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

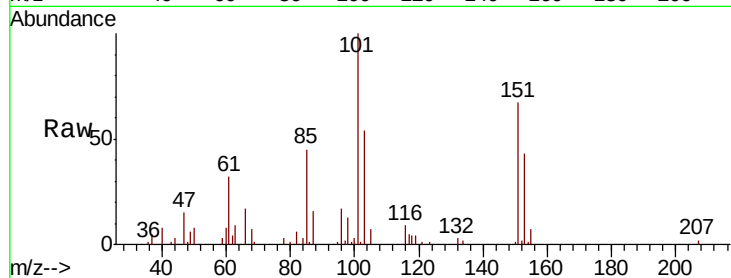
Tot Ion:101 Resp: 83817

Ion Ratio Lower Upper

101 100

85 46.3 37.0 55.6

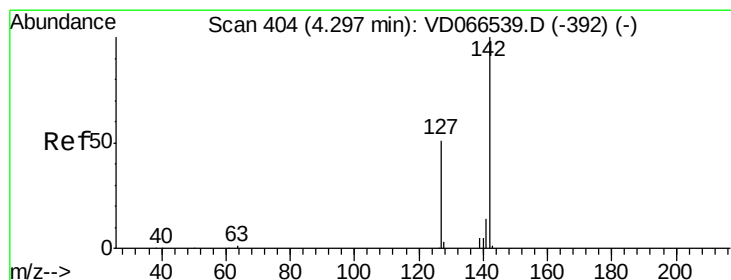
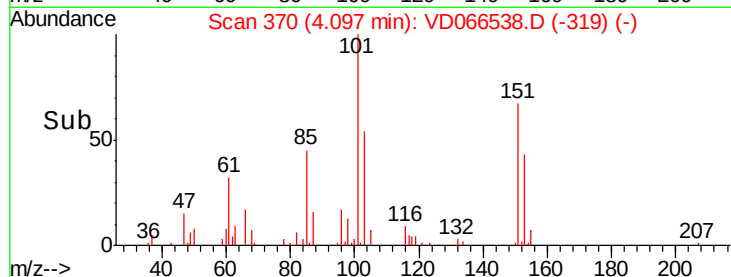
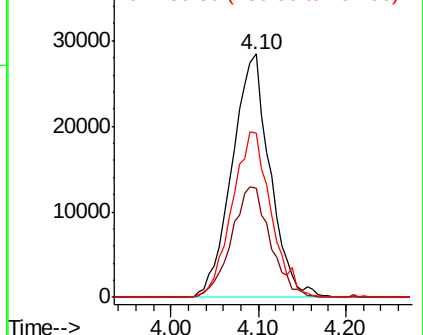
151 69.6 59.4 89.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.170 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

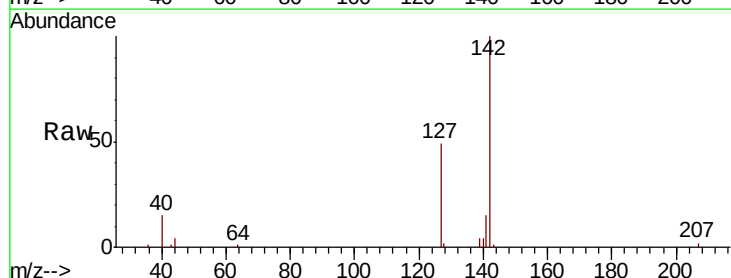
Tgt Ion:142 Resp: 58752

Ion Ratio Lower Upper

142 100

127 51.6 40.6 61.0

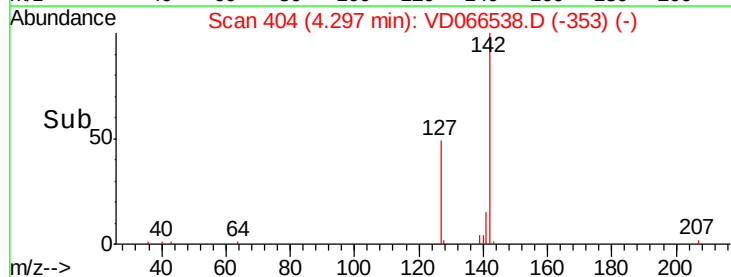
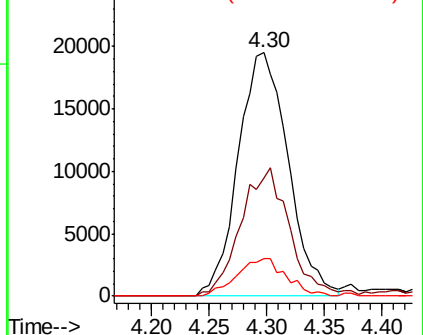
141 15.3 12.2 18.4

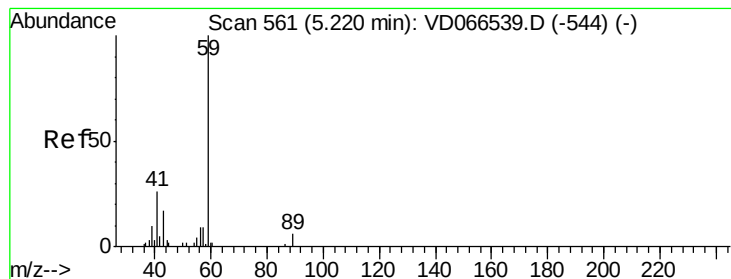


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



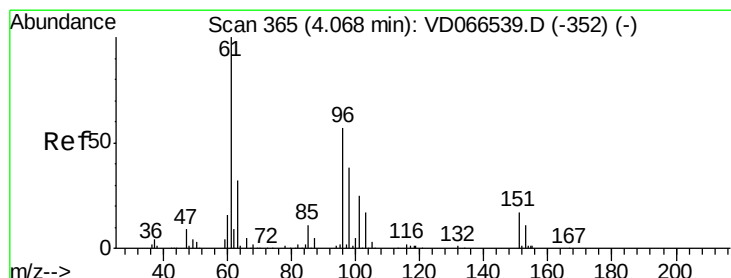
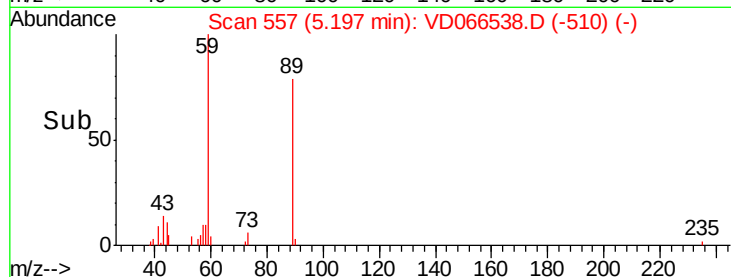
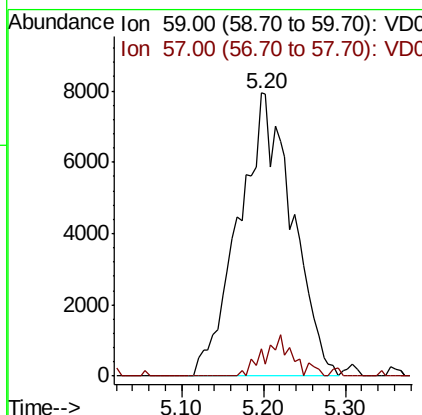
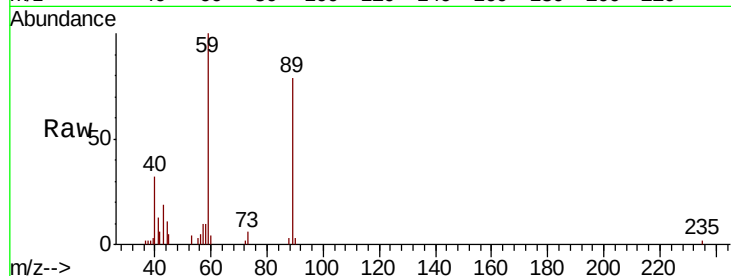


#11

Tert butyl alcohol
Concen: 132.700 ug/l
RT: 5.20 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

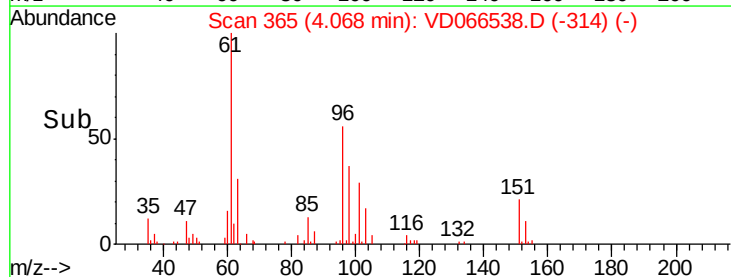
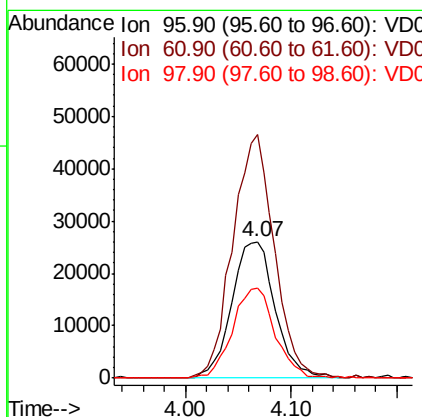
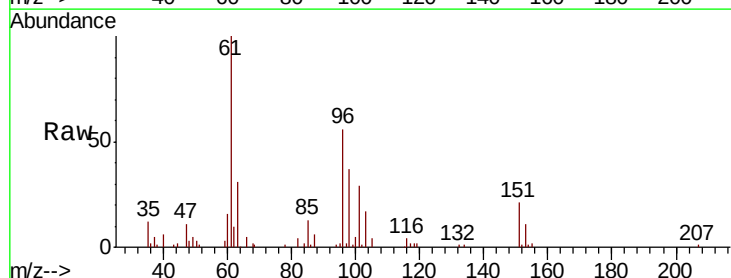
Tot Ion: 59 Resp: 36283
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

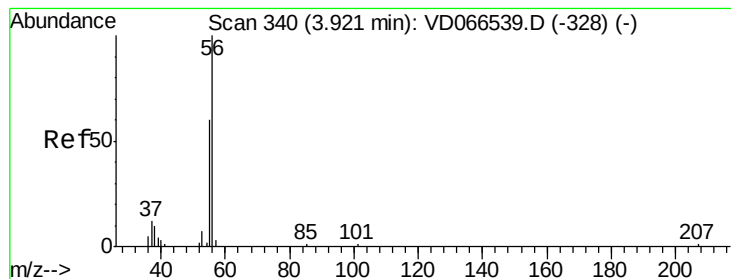


#12

1,1-Dichloroethene
Concen: 27.341 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 96 Resp: 73971
Ion Ratio Lower Upper
96 100
61 178.5 140.9 211.3
98 66.2 53.2 79.8





#13

Acrolein

Concen: 143.715 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

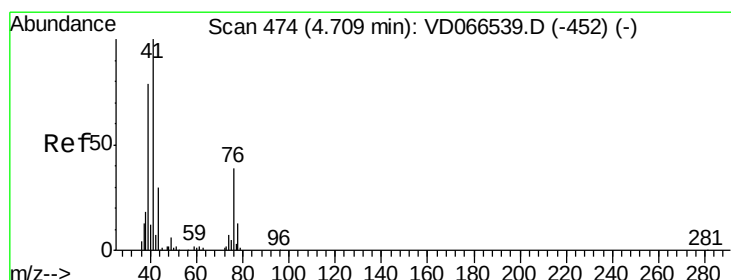
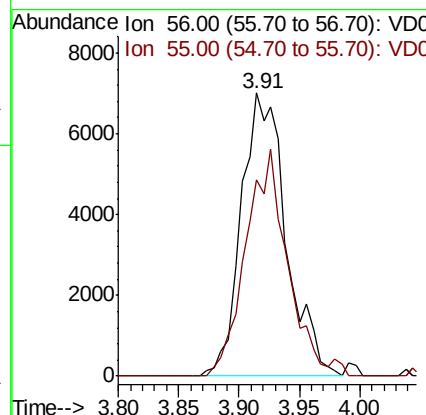
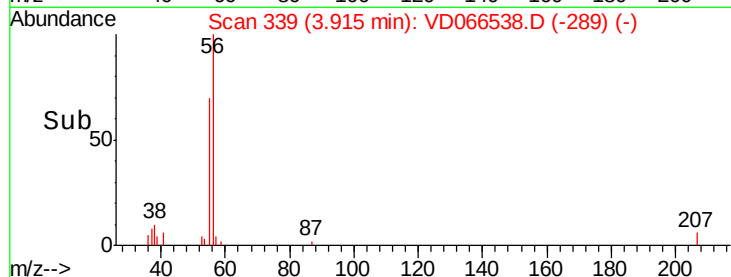
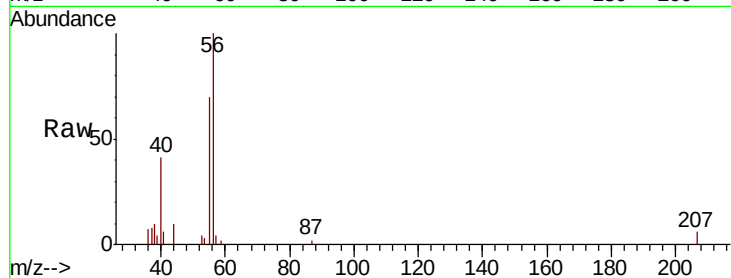
VSTDIC020

Tot Ion: 56 Resp: 18115

Ion Ratio Lower Upper

56 100

55 73.9 53.6 80.4



#14

Allyl chloride

Concen: 36.337 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

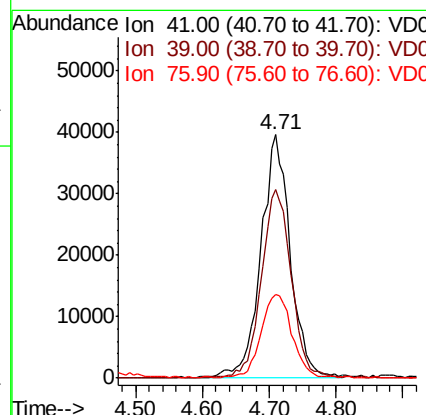
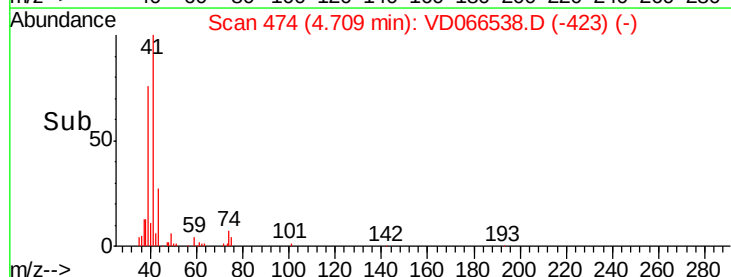
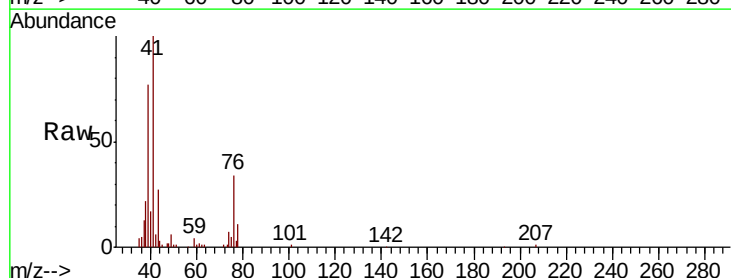
Tgt Ion: 41 Resp: 120701

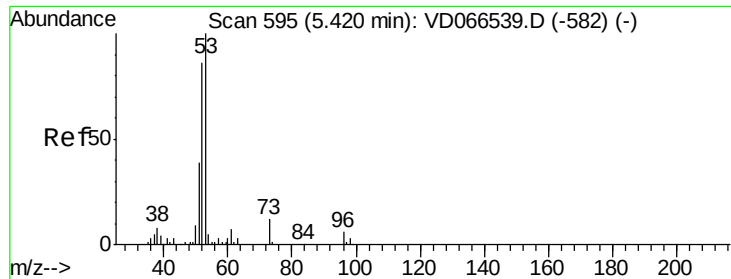
Ion Ratio Lower Upper

41 100

39 78.7 61.9 92.9

76 36.1 29.0 43.6





#15

Acrylonitrile

Concen: 164.068 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

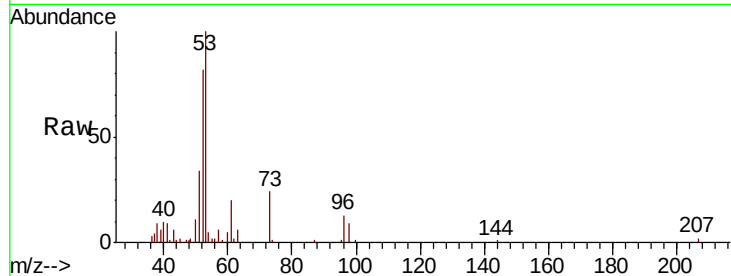
Tot Ion: 53 Resp: 81714

Ion Ratio Lower Upper

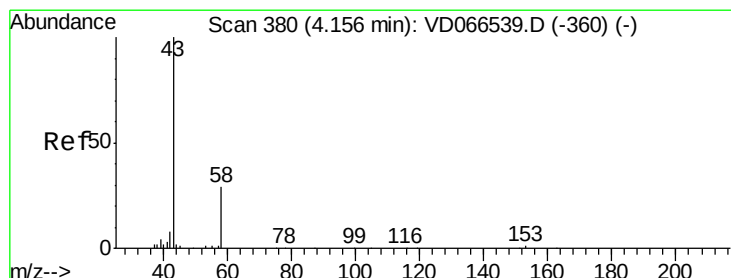
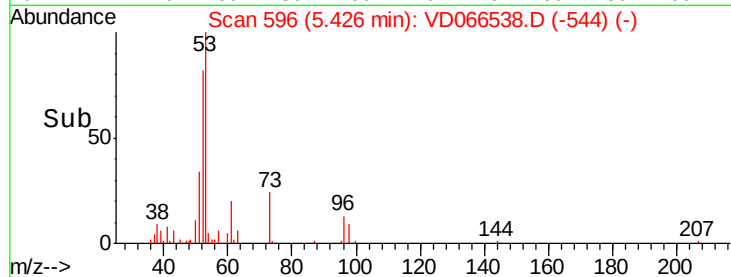
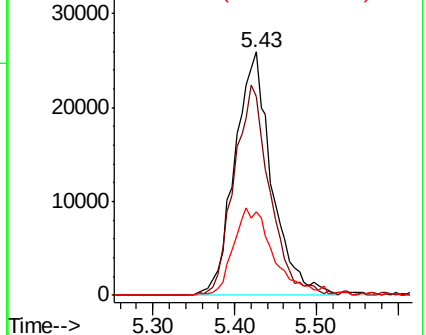
53 100

52 83.4 65.4 98.2

51 38.8 31.2 46.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 129.898 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066538.D

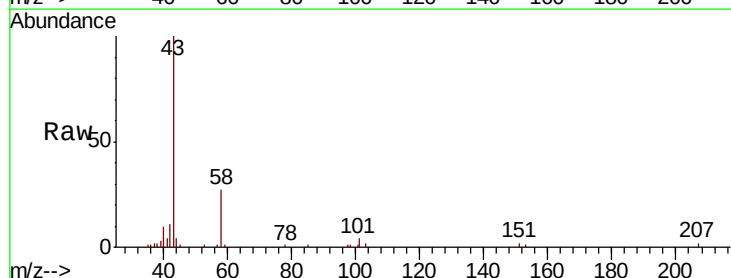
Acq: 03 Sep 2020 15:29

Tgt Ion: 43 Resp: 75423

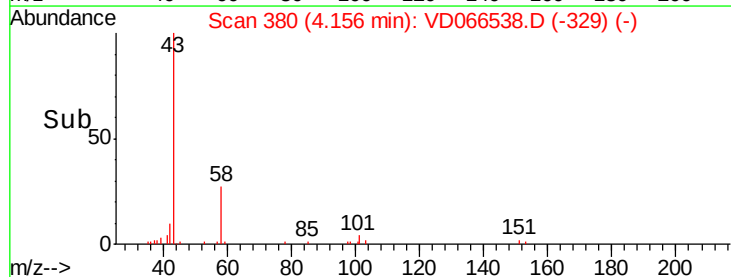
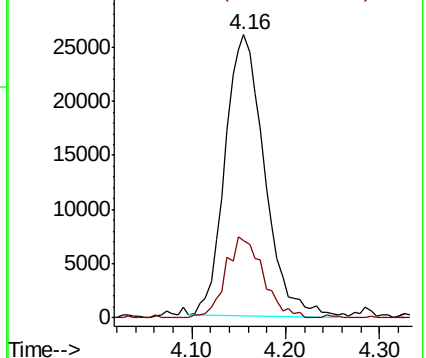
Ion Ratio Lower Upper

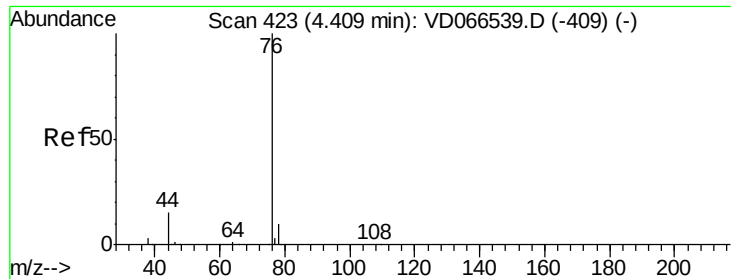
43 100

58 27.8 22.9 34.3



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

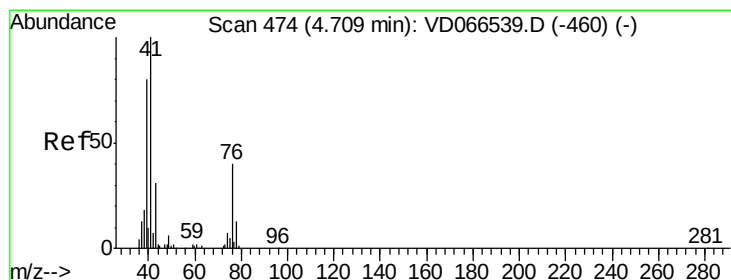
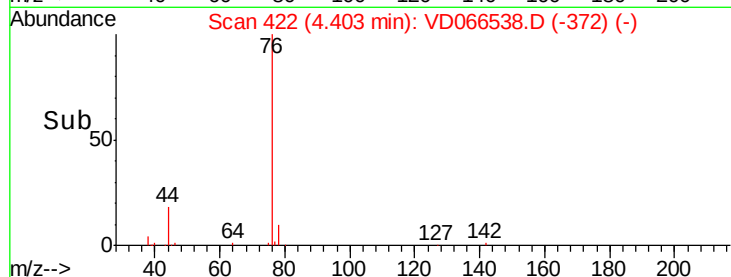
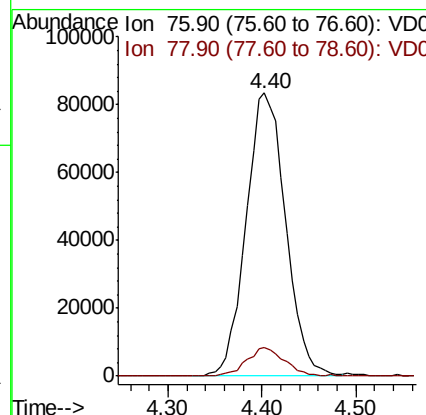
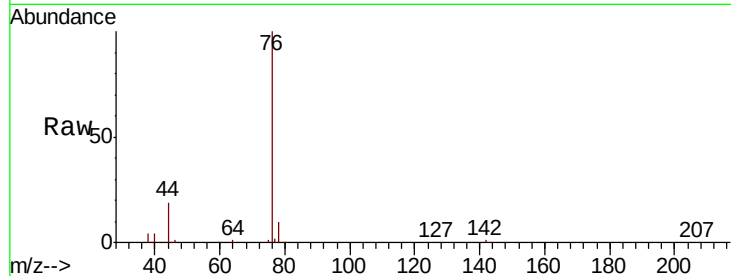




#17
Carbon Disulfide
Concen: 30.150 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

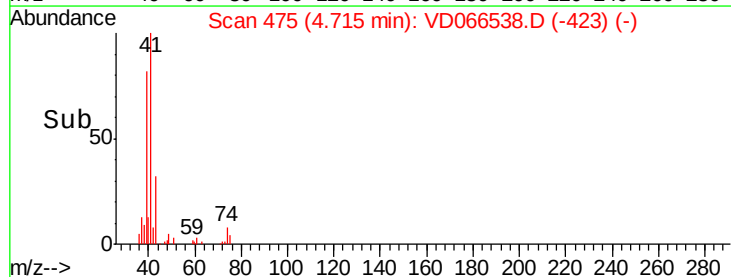
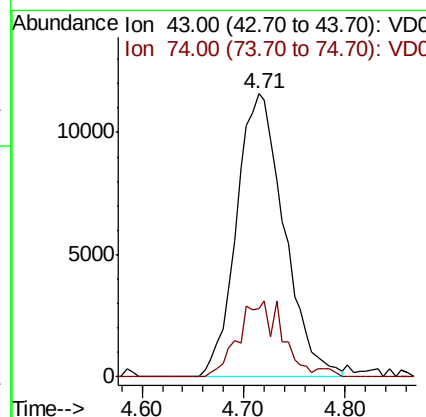
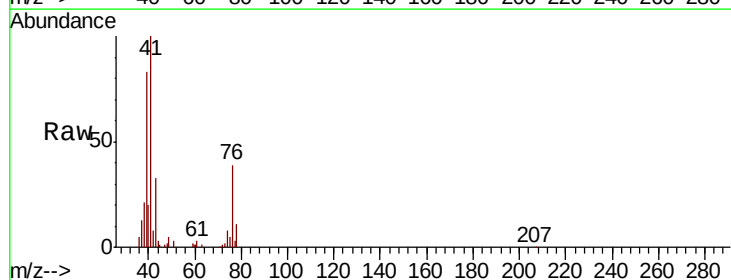
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

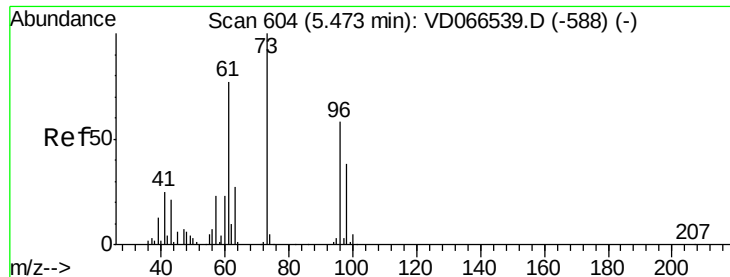
Tot Ion: 76 Resp: 243190
Ion Ratio Lower Upper
76 100
78 10.1 7.6 11.4



#18
Methyl Acetate
Concen: 36.860 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 43 Resp: 37707
Ion Ratio Lower Upper
43 100
74 24.5 18.0 27.0

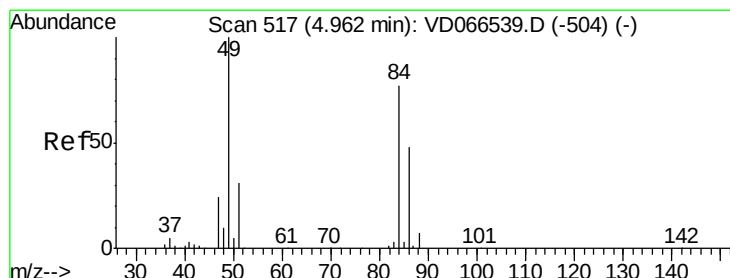
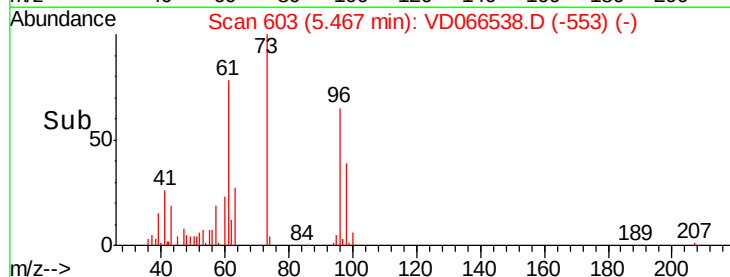
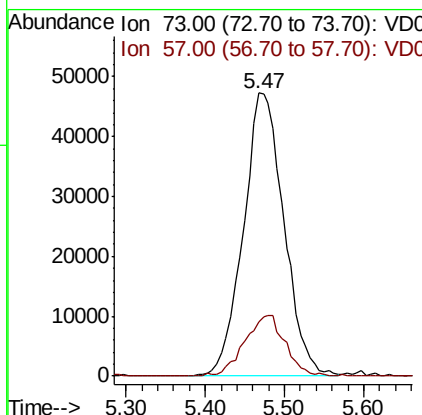
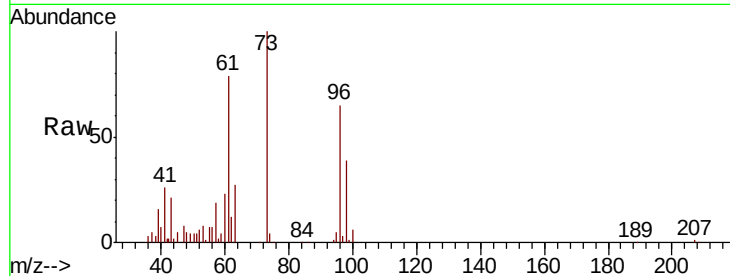




#19
Methyl tert-butyl Ether
Concen: 24.159 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

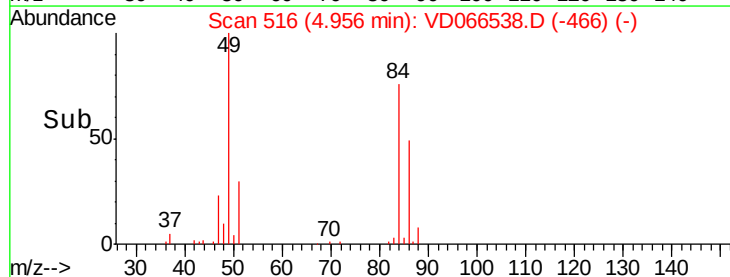
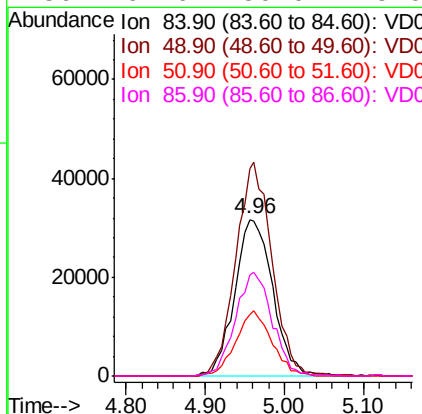
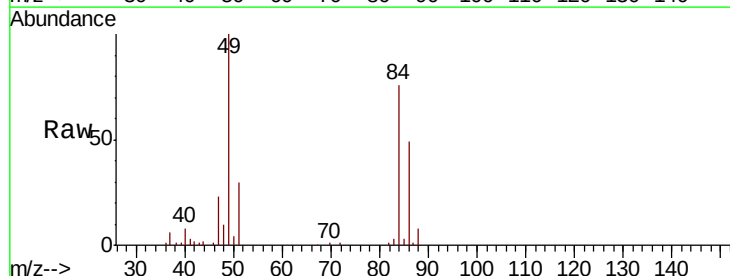
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

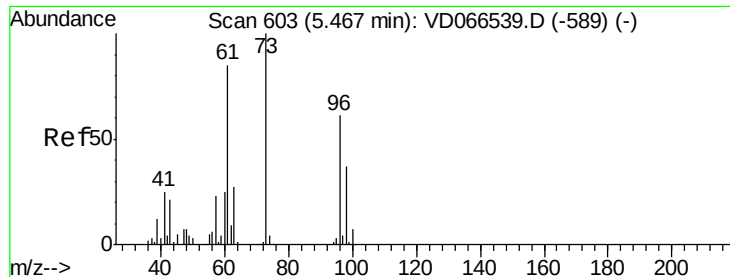
Tot Ion: 73 Resp: 168334
Ion Ratio Lower Upper
73 100
57 19.2 18.3 27.5



#20
Methylene Chloride
Concen: 30.581 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 84 Resp: 105607
Ion Ratio Lower Upper
84 100
49 132.3 104.3 156.5
51 39.3 32.2 48.4
86 64.6 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 28.212 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

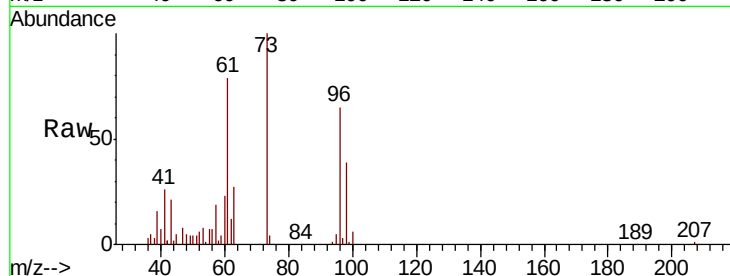
Tot Ion: 96 Resp: 88729

Ion Ratio Lower Upper

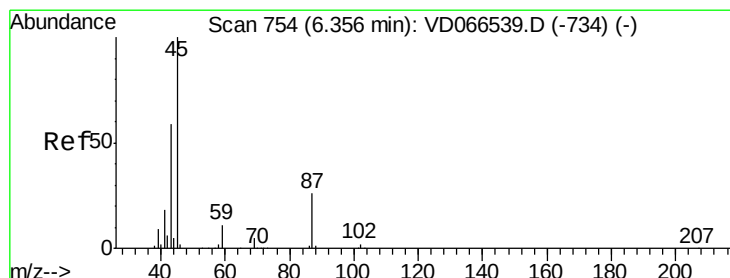
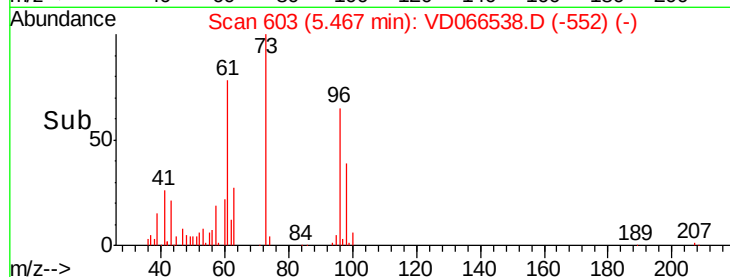
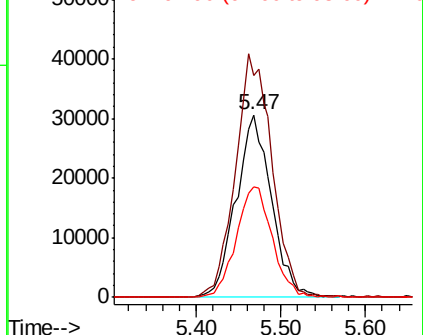
96 100

61 121.5 112.1 168.1

98 60.6 48.6 72.8



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



#22

Diisopropyl ether

Concen: 37.694 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Tgt Ion: 45 Resp: 255620

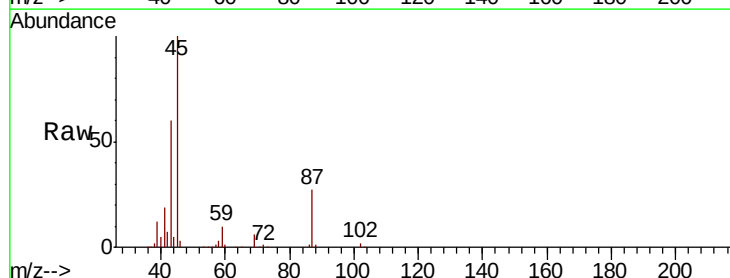
Ion Ratio Lower Upper

45 100

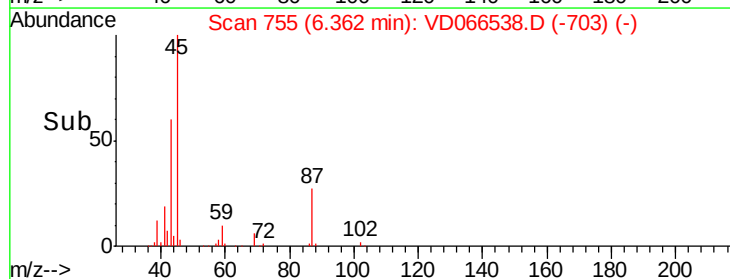
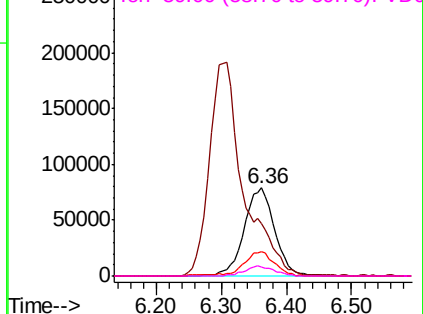
43 59.4 47.0 70.4

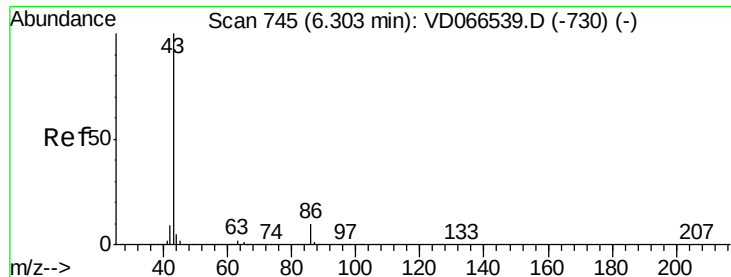
87 27.5 21.3 31.9

59 10.3 8.7 13.1



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: 163.056 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

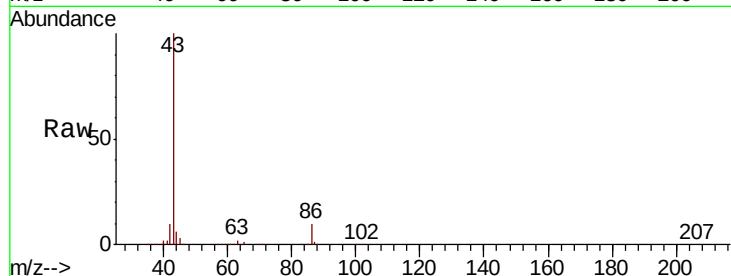
VSTDIC020

Tot Ion: 43 Resp: 691877

Ion Ratio Lower Upper

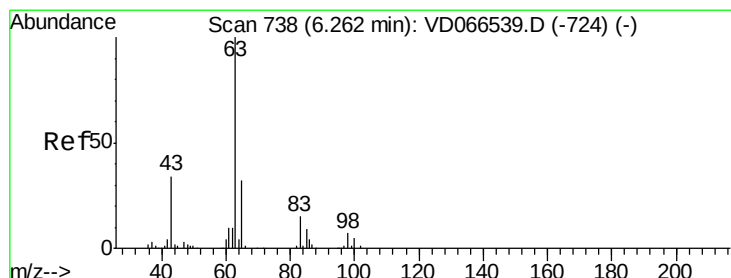
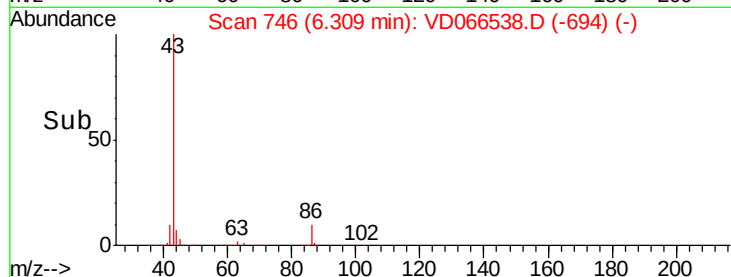
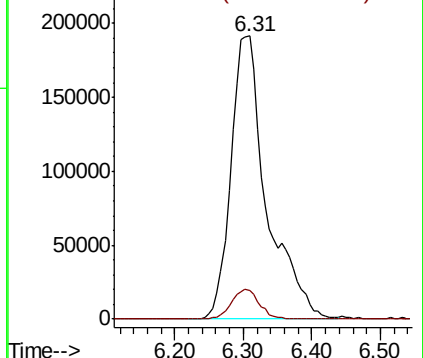
43 100

86 10.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 31.679 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

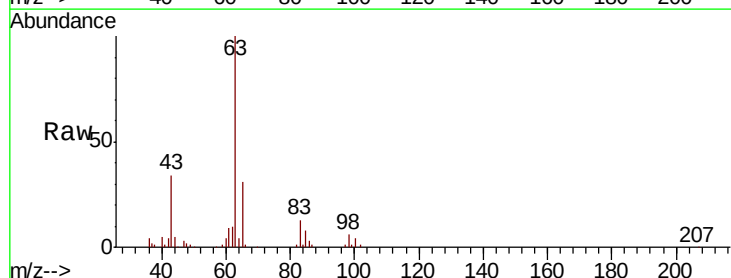
Tgt Ion: 63 Resp: 158072

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

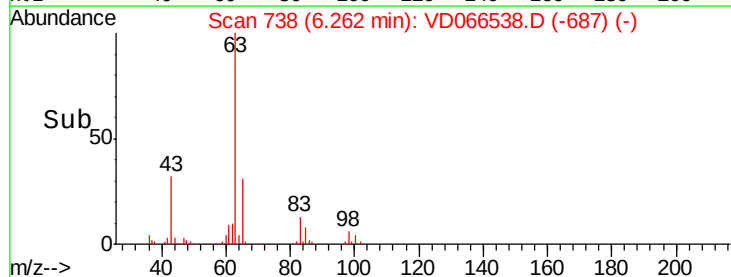
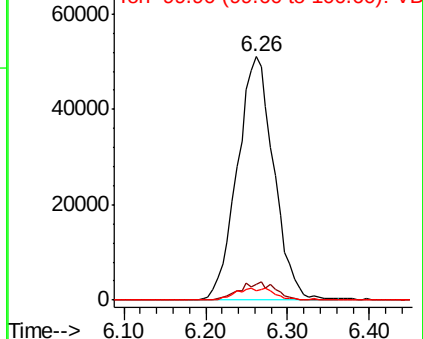
100 3.7 2.5 7.4

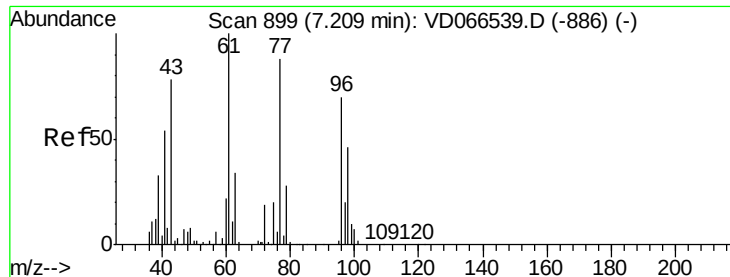


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 161.538 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

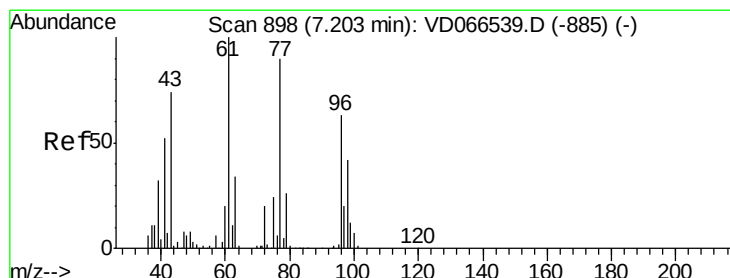
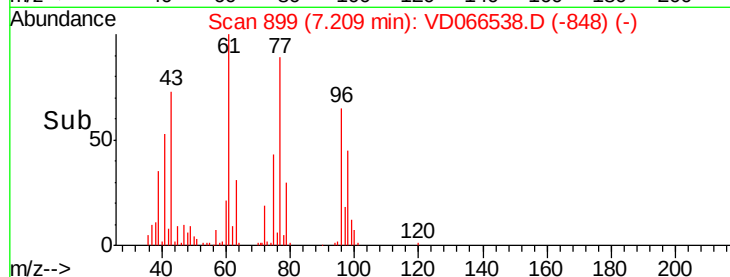
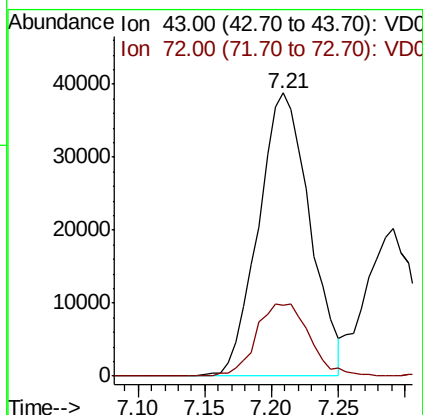
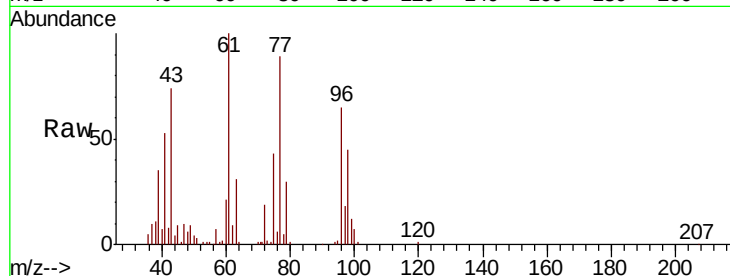
VSTDIC020

Tot Ion: 43 Resp: 103648

Ion Ratio Lower Upper

43 100

72 25.1 19.8 29.6



#26

2,2-Dichloropropane

Concen: 23.821 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066538.D

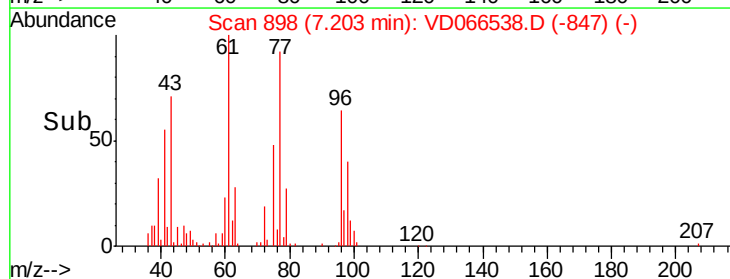
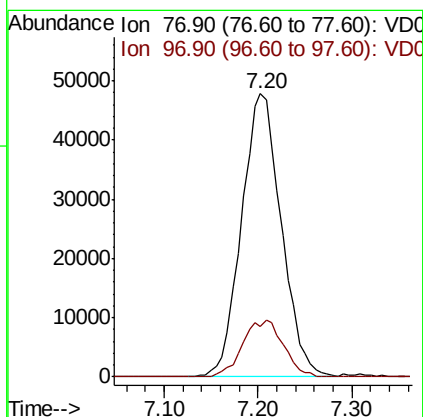
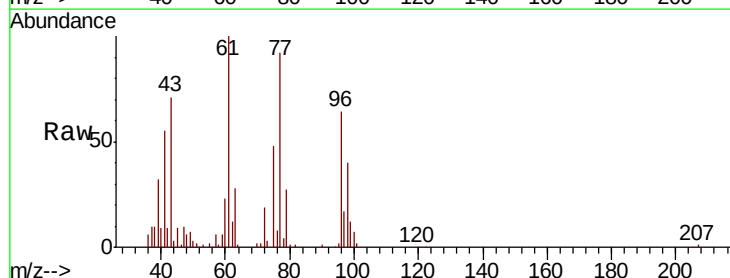
Acq: 03 Sep 2020 15:29

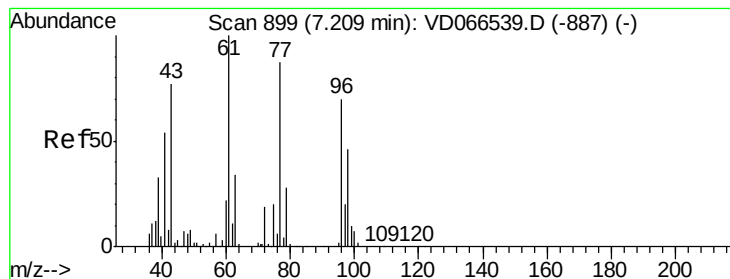
Tgt Ion: 77 Resp: 139915

Ion Ratio Lower Upper

77 100

97 20.7 10.8 32.3



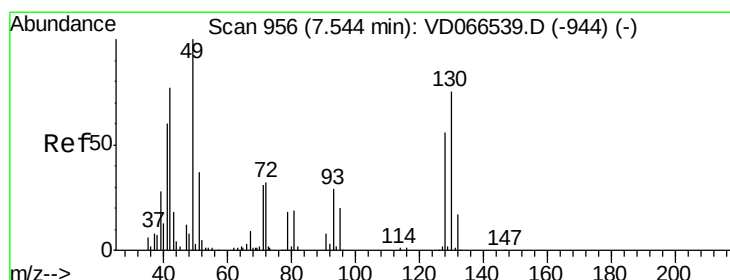
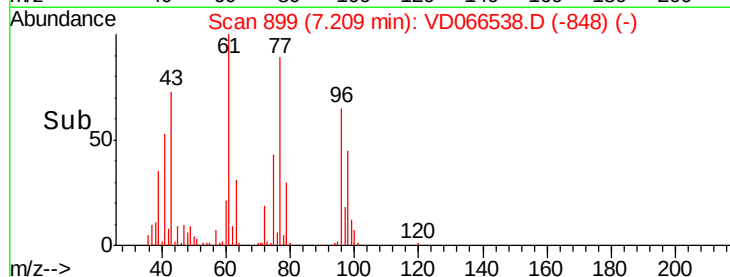
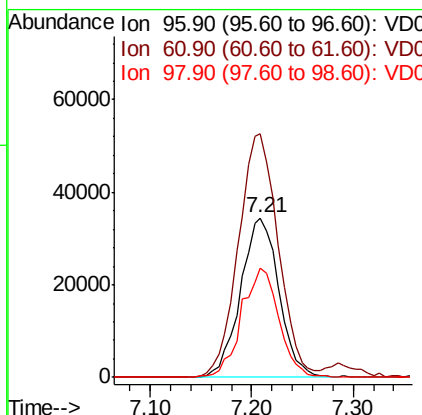
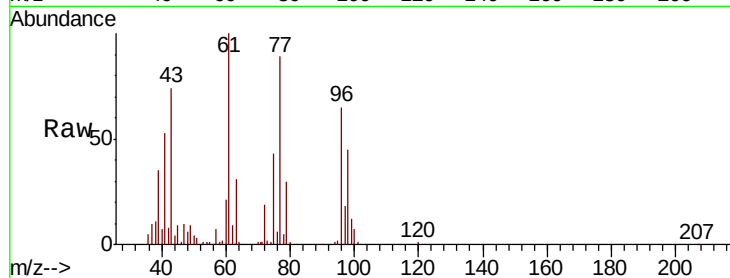


#27

cis-1,2-Dichloroethene
 Concen: 26.640 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

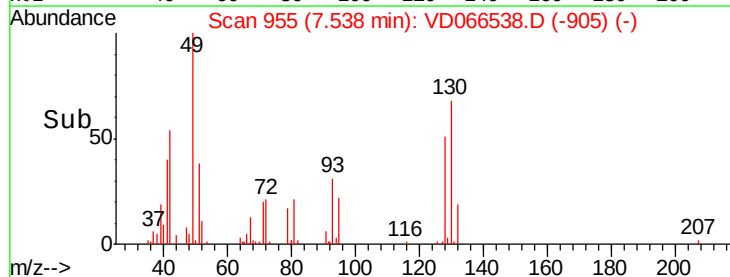
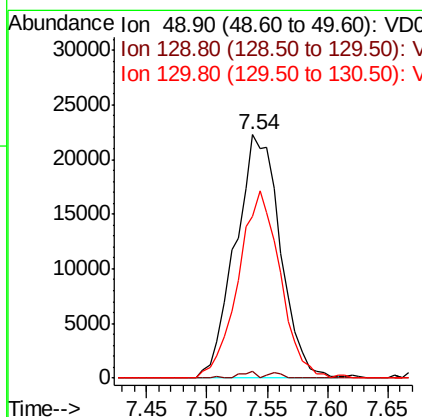
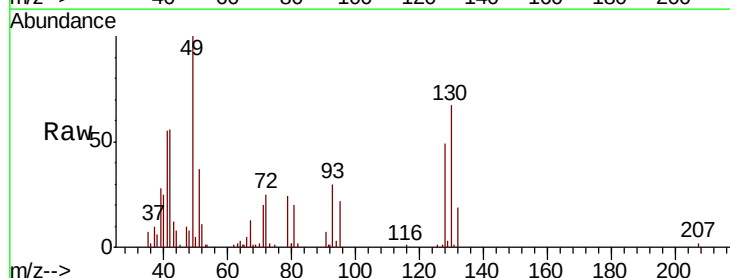
Tot Ion	96	Resp	90491
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	301.0
98	66.6	0.0	129.8

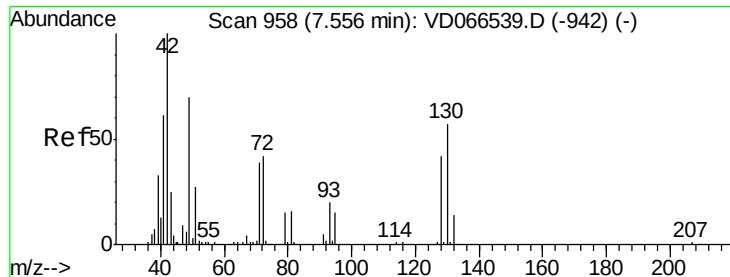


#28

Bromochloromethane
 Concen: 37.055 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion	49	Resp	57788
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.6
130	71.8	58.2	87.2

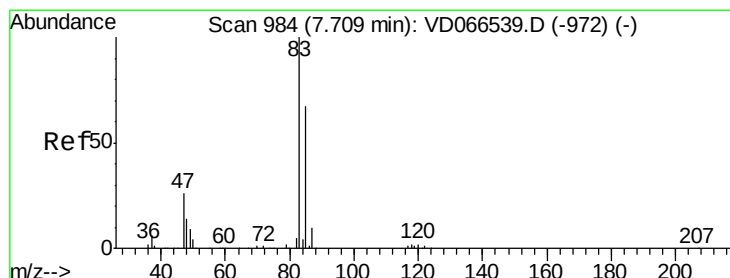
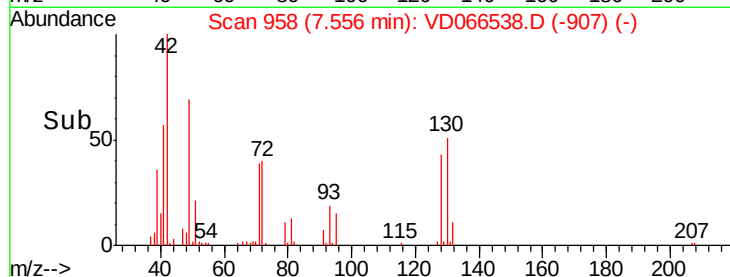
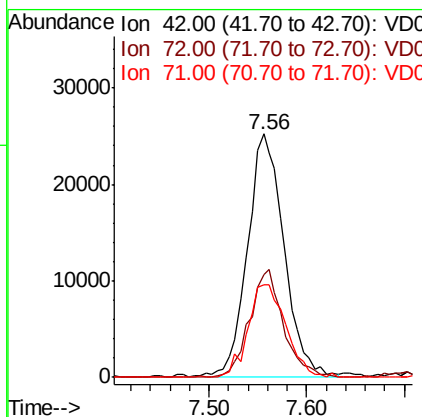
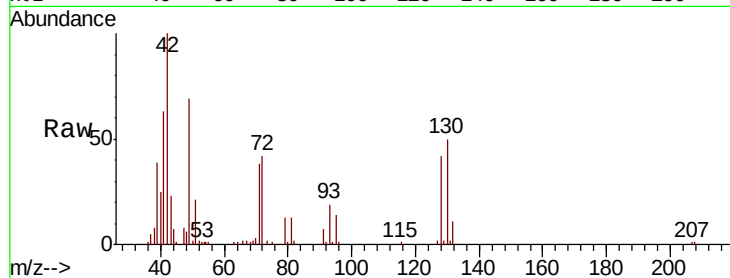




#29
Tetrahydrofuran
Concen: 190.491 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

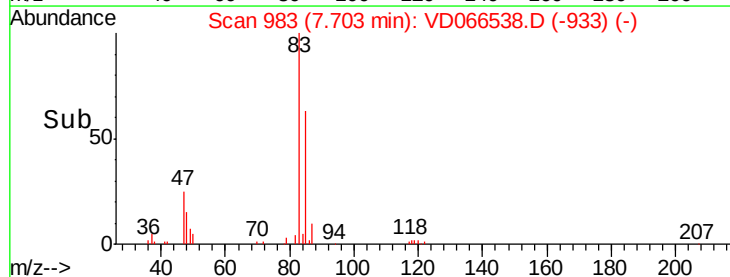
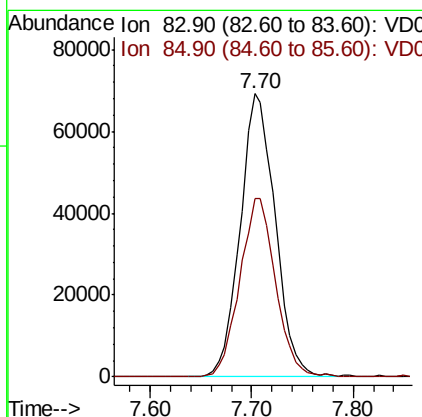
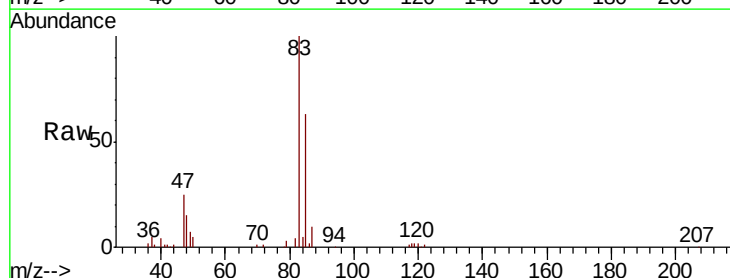
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

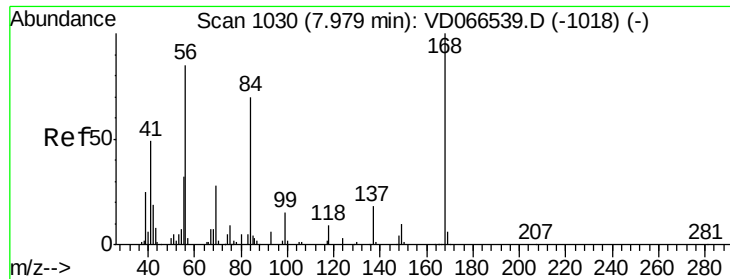
Tot Ion: 42 Resp: 66608
Ion Ratio Lower Upper
42 100
72 41.0 33.4 50.0
71 39.1 31.9 47.9



#30
Chloroform
Concen: 27.107 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 83 Resp: 166167
Ion Ratio Lower Upper
83 100
85 63.0 53.6 80.4

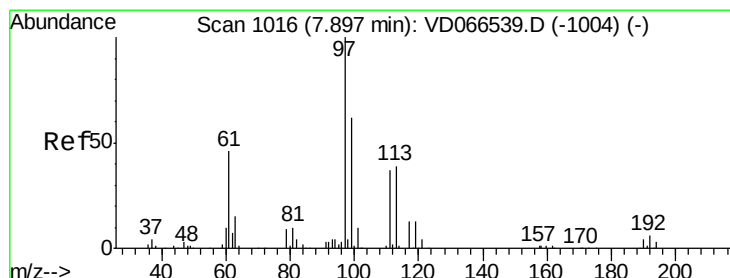
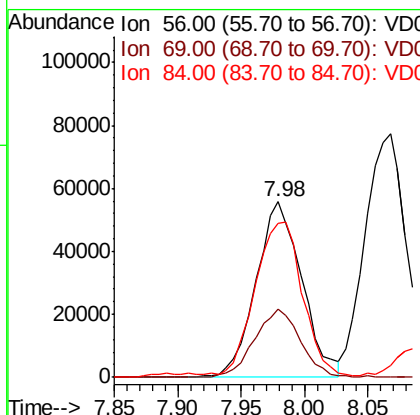
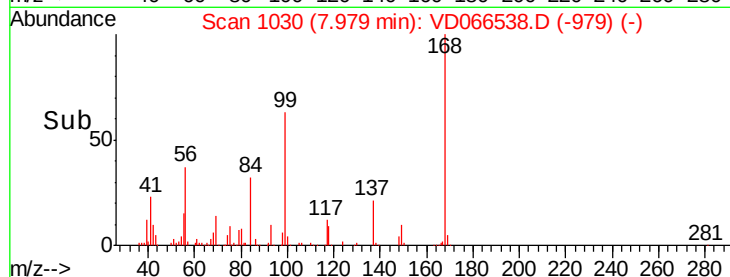
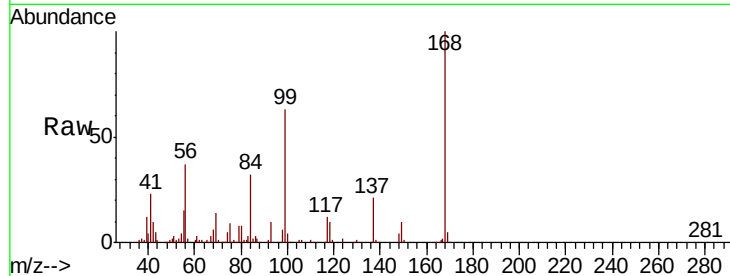




#31
Cyclohexane
Concen: 31.637 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

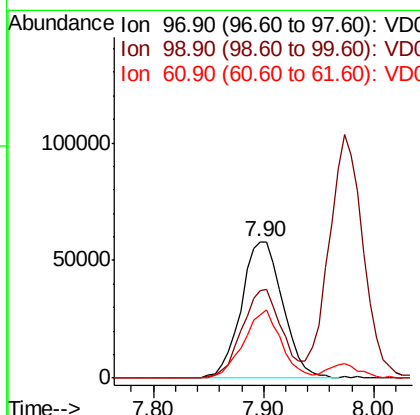
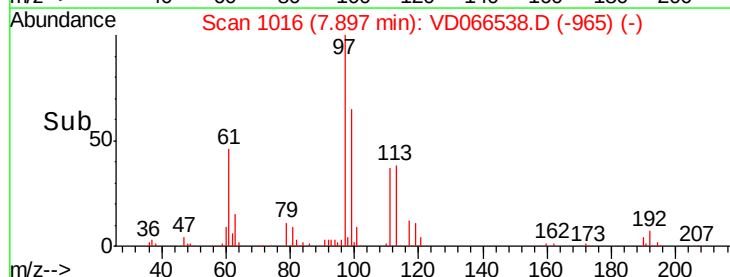
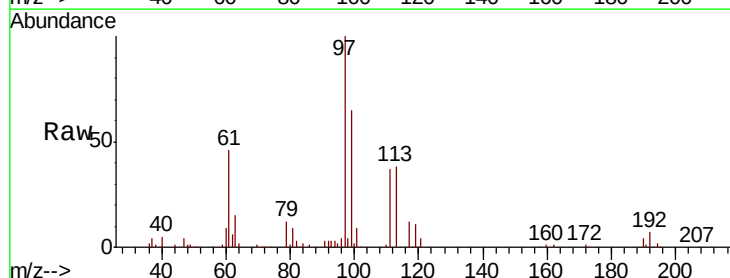
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

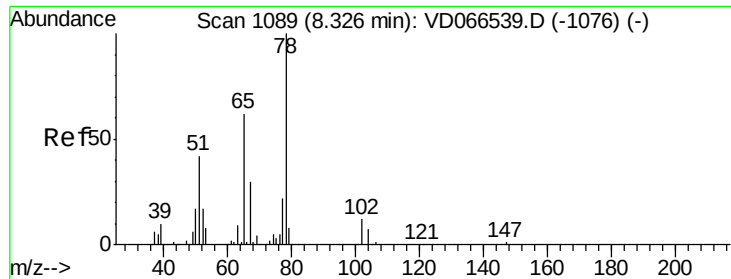
Tot Ion: 56 Resp: 140084
Ion Ratio Lower Upper
56 100
69 38.6 26.3 39.5
84 85.4 66.1 99.1



#32
1,1,1-Trichloroethane
Concen: 23.297 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 97 Resp: 153389
Ion Ratio Lower Upper
97 100
99 61.6 51.4 77.0
61 45.0 37.4 56.0

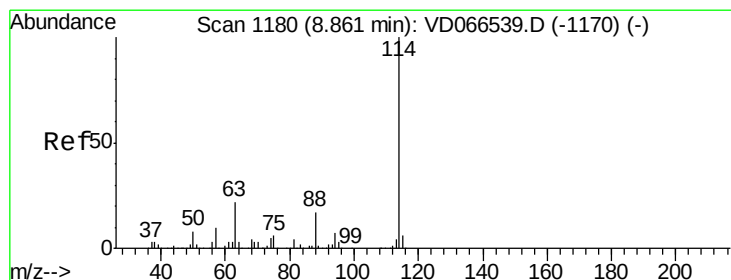
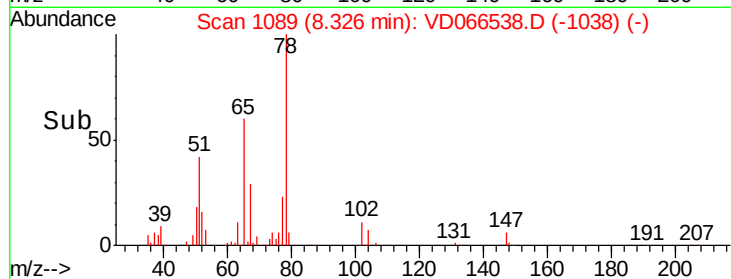
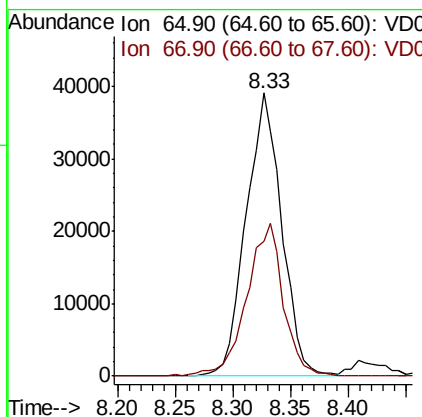
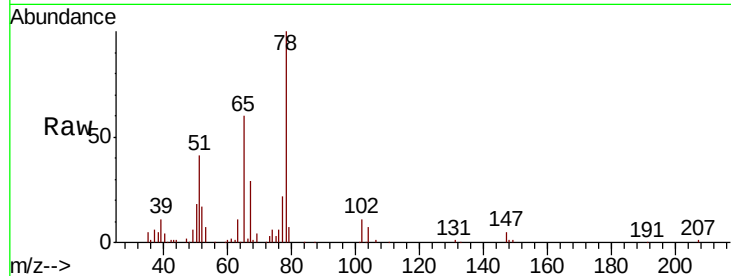




#33
 1,2-Dichloroethane-d4
 Concen: 22.563 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

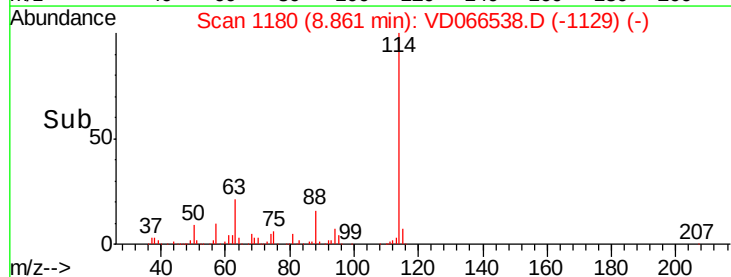
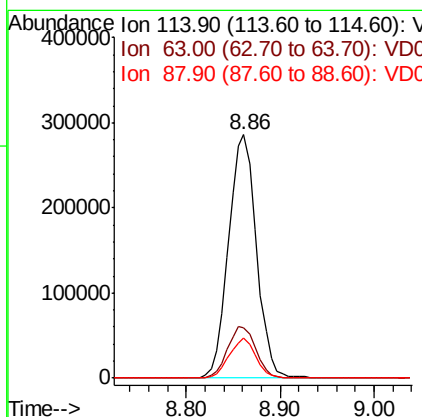
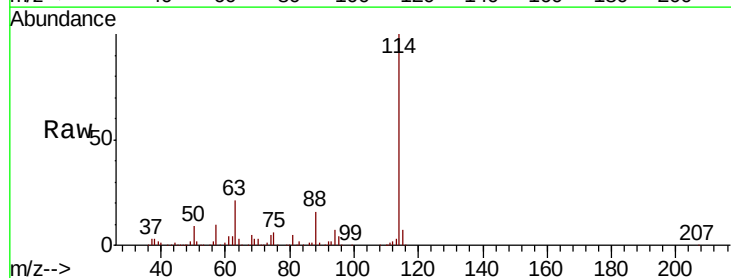
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

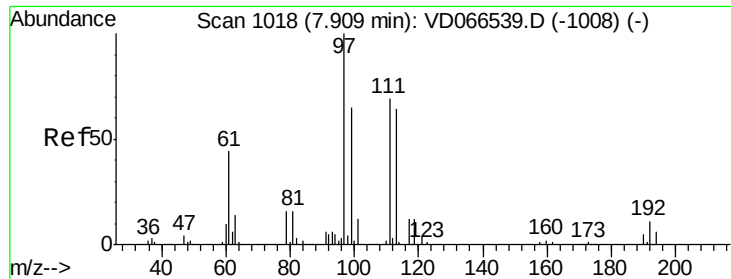
Tot Ion: 65 Resp: 83854
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion: 114 Resp: 587625
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.2
 88 16.2 0.0 33.2

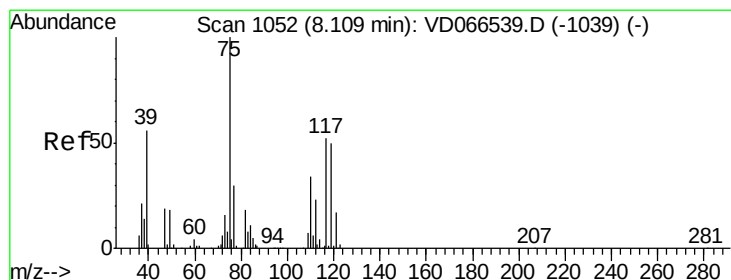
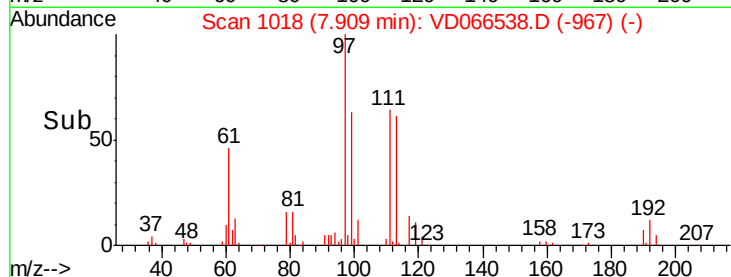
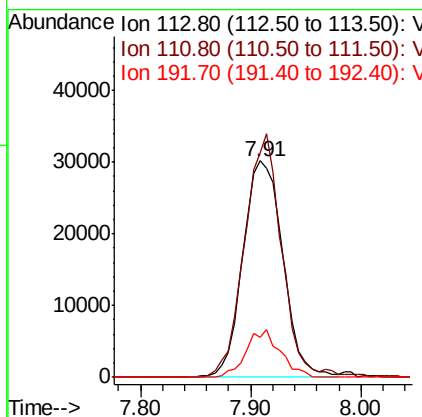
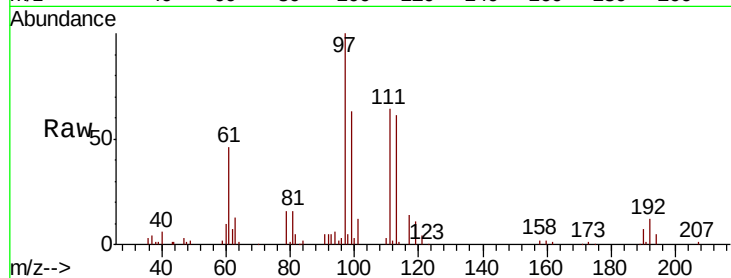




#35
Dibromofluoromethane
Concen: 21.920 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

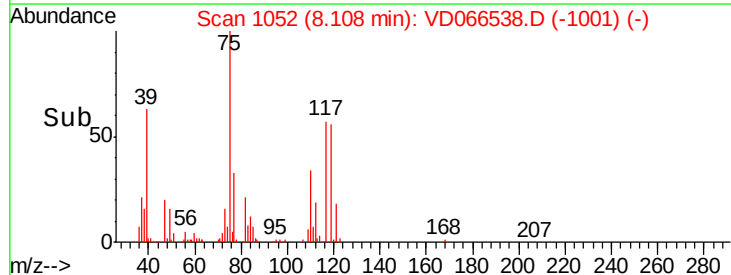
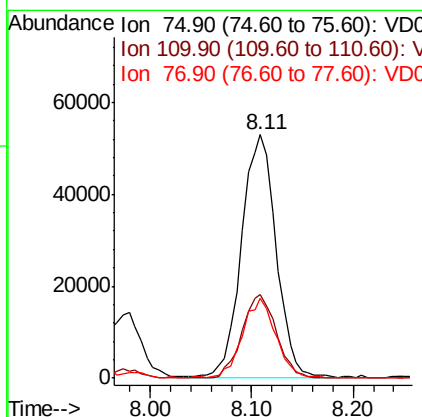
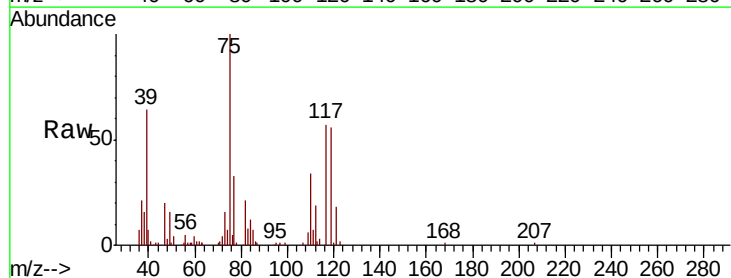
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

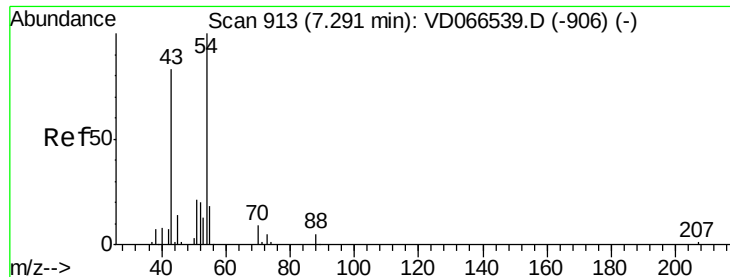
Tot Ion:113 Resp: 77046
Ion Ratio Lower Upper
113 100
111 102.5 83.2 124.8
192 18.7 13.7 20.5



#36
1,1-Dichloropropene
Concen: 23.943 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 75 Resp: 126132
Ion Ratio Lower Upper
75 100
110 33.9 17.3 52.0
77 31.9 25.1 37.7

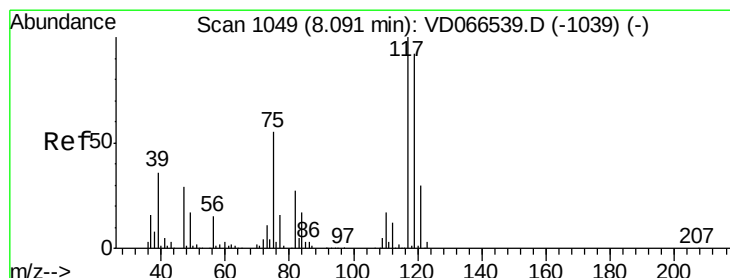
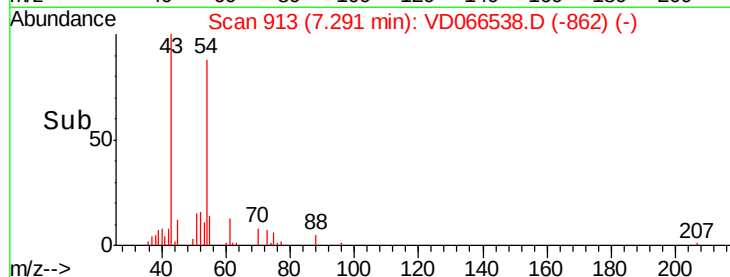
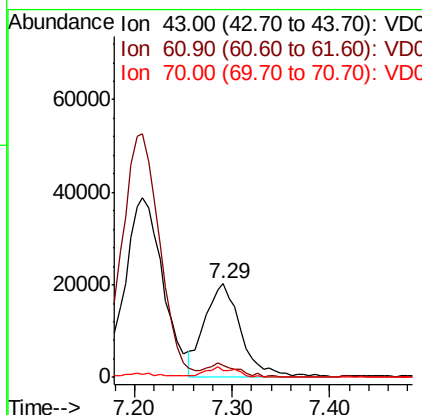
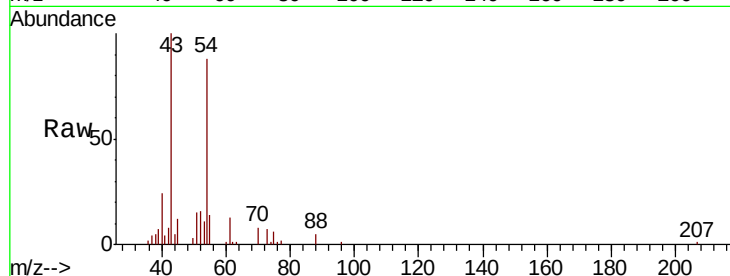




#37
Ethyl Acetate
Concen: 30.496 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

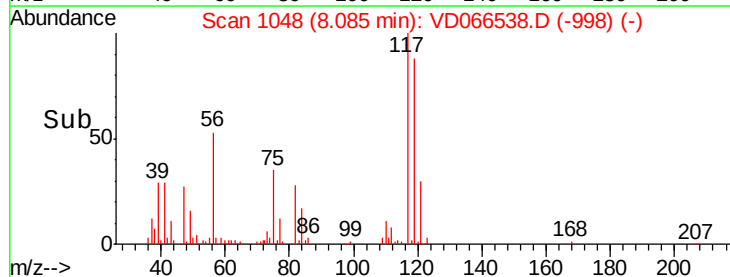
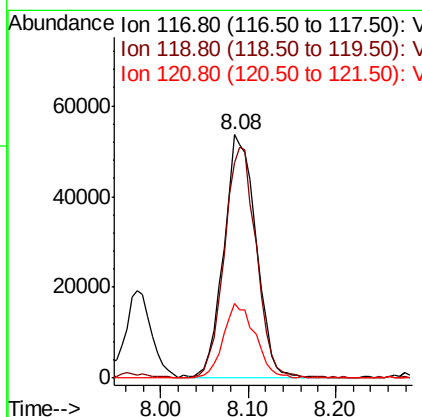
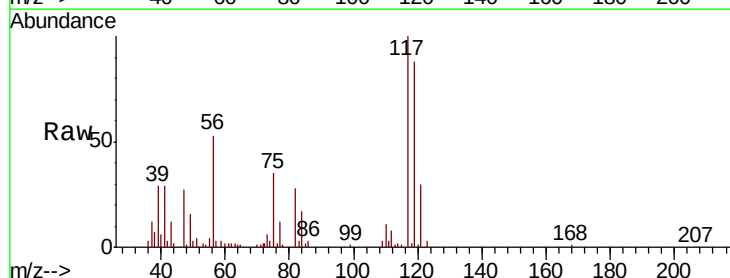
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

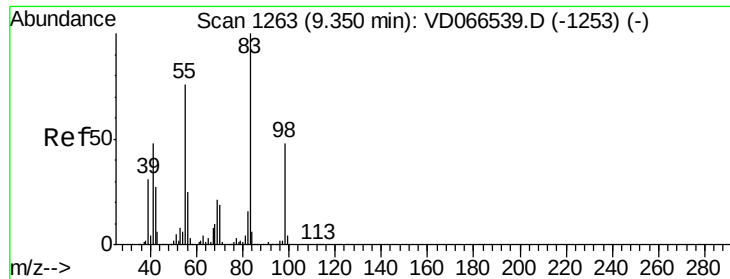
Tot Ion: 43 Resp: 51640
Ion Ratio Lower Upper
43 100
61 13.5 11.8 17.8
70 9.1 7.9 11.9



#38
Carbon Tetrachloride
Concen: 17.975 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 117 Resp: 135404
Ion Ratio Lower Upper
117 100
119 88.4 73.9 110.9
121 30.4 24.1 36.1

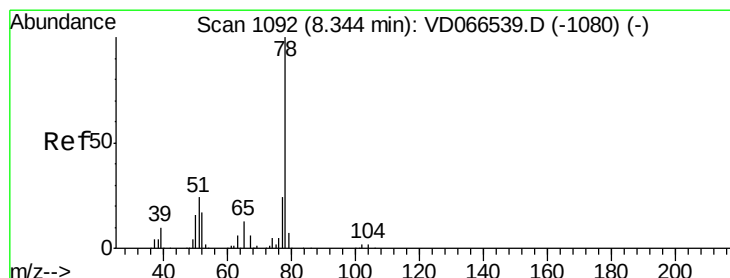
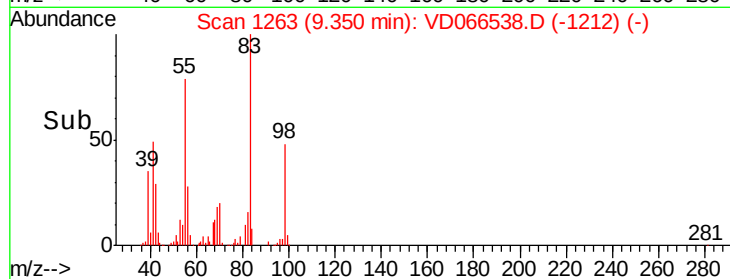
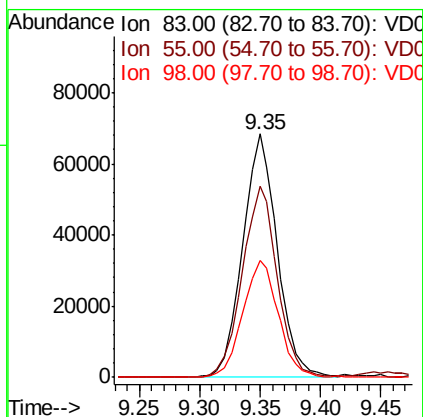
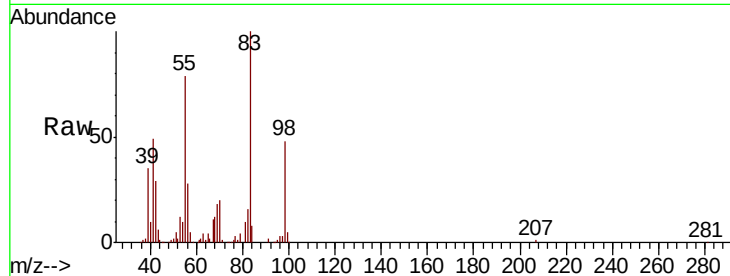




#39
Methylvlcyclohexane
Concen: 22.079 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

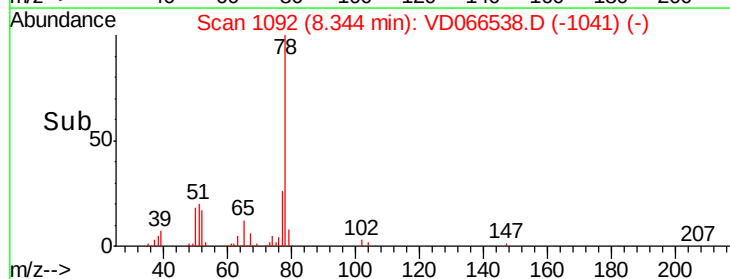
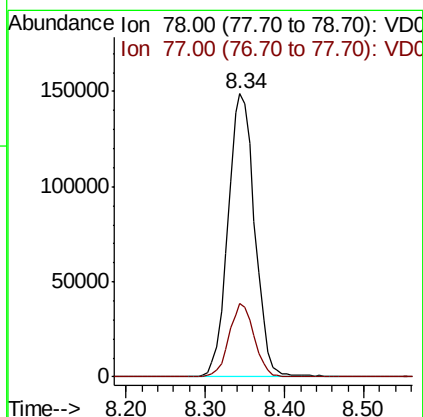
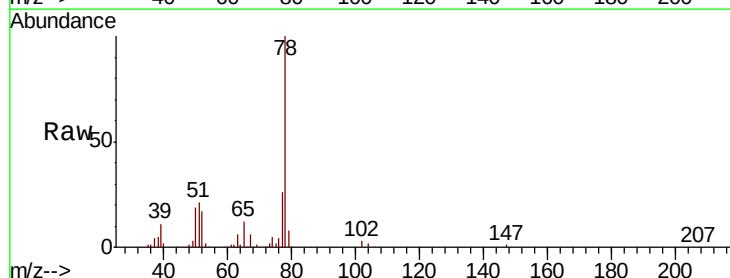
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

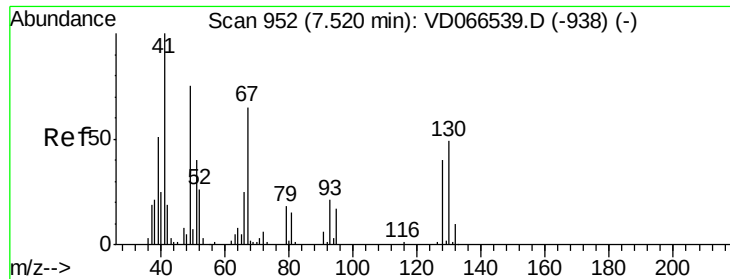
Tot Ion: 83 Resp: 136450
Ion Ratio Lower Upper
83 100
55 78.5 60.8 91.2
98 48.2 38.6 58.0



#40
Benzene
Concen: 25.274 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 78 Resp: 346508
Ion Ratio Lower Upper
78 100
77 26.0 19.1 28.7

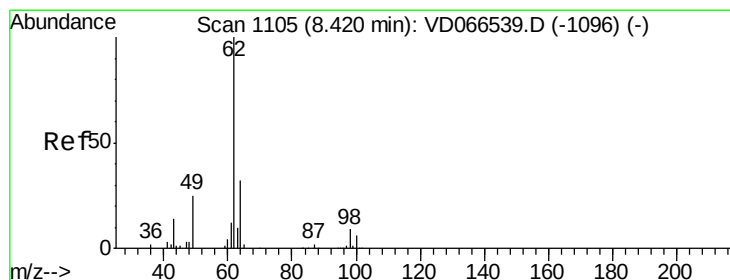
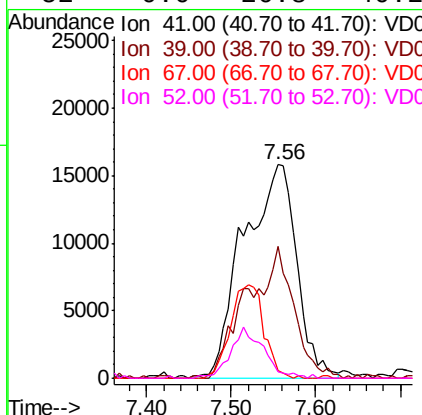
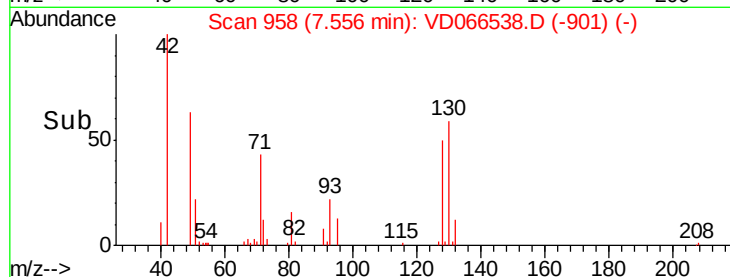
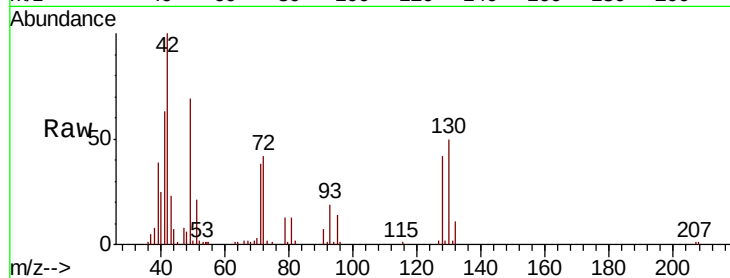




#41
Methacrylonitrile
Concen: 76.104 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.04 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

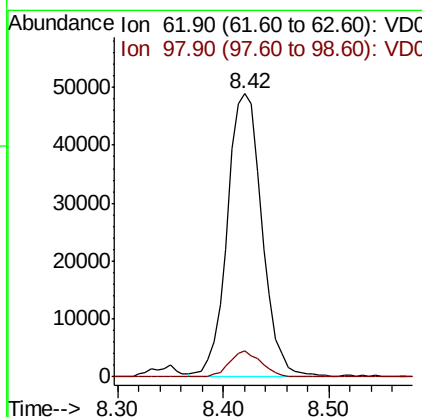
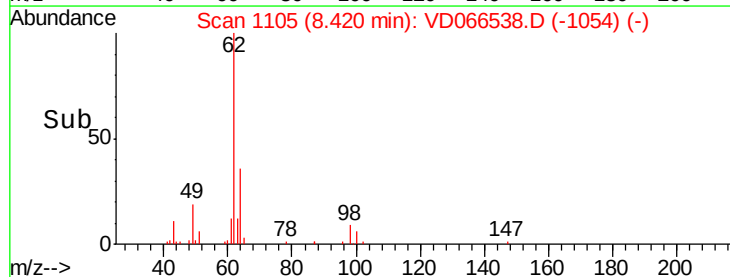
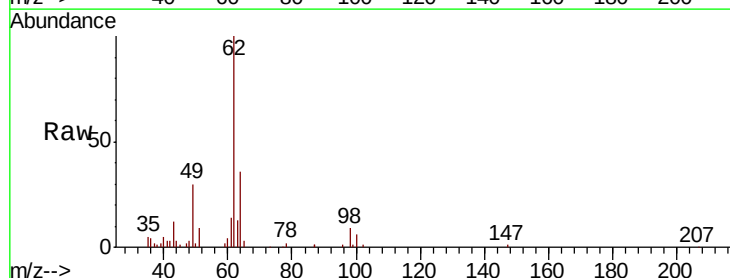
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

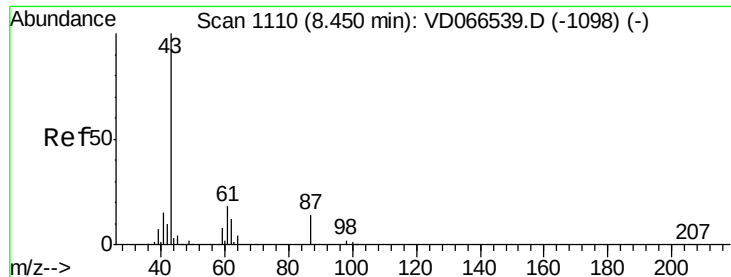
Tot Ion: 41 Resp: 68551
Ion Ratio Lower Upper
41 100
39 29.2 53.6 80.4#
67 0.0 59.2 88.8#
52 0.0 26.8 40.2#



#42
1,2-Dichloroethane
Concen: 20.098 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 62 Resp: 111085
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.6





#43

Isopropyl Acetate

Concen: 26.692 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

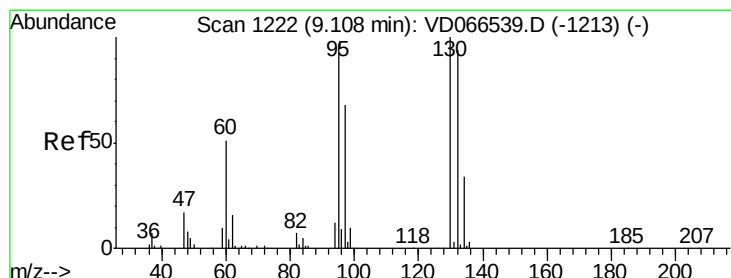
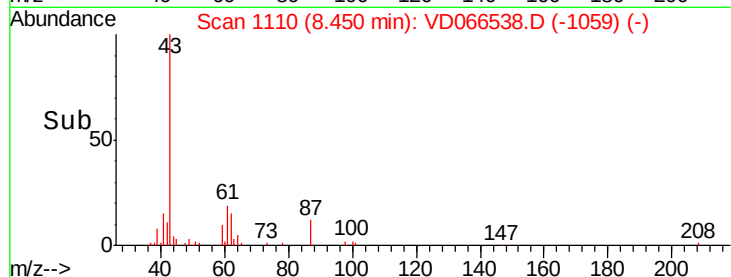
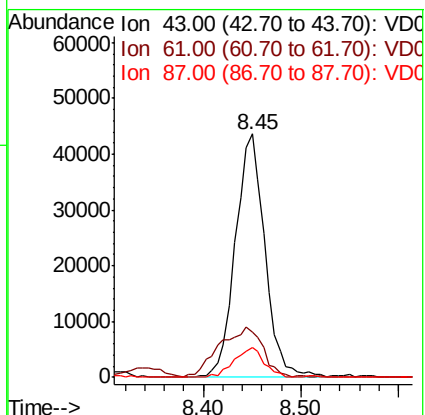
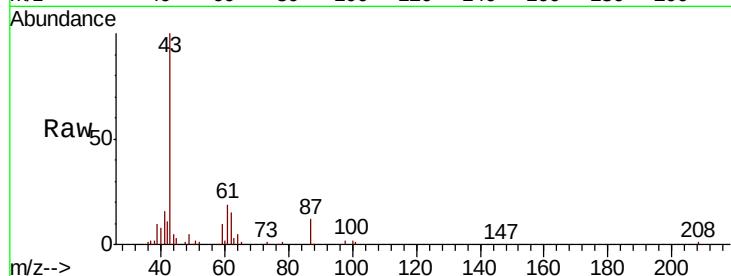
Tot Ion: 43 Resp: 92193

Ion Ratio Lower Upper

43 100

61 30.2 23.8 35.8

87 12.5 10.7 16.1



#44

Trichloroethene

Concen: 19.685 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD066538.D

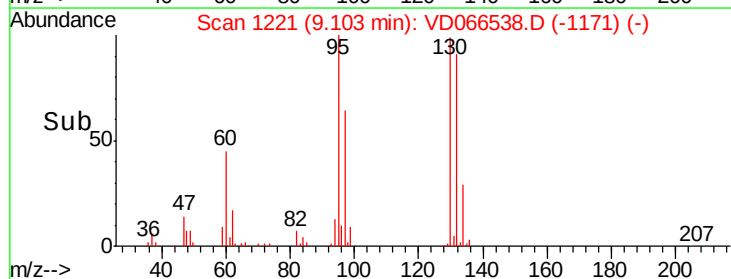
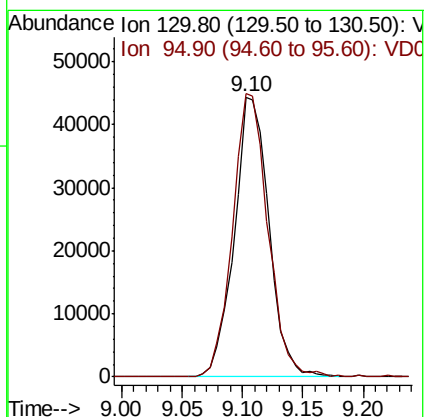
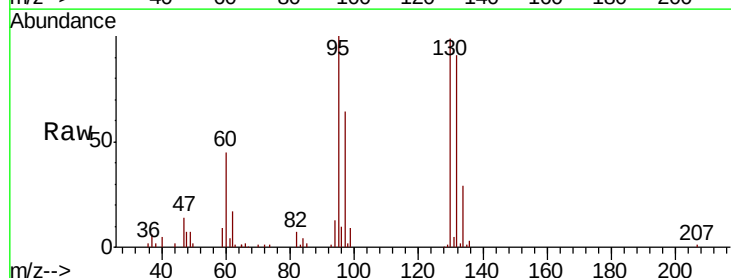
Acq: 03 Sep 2020 15:29

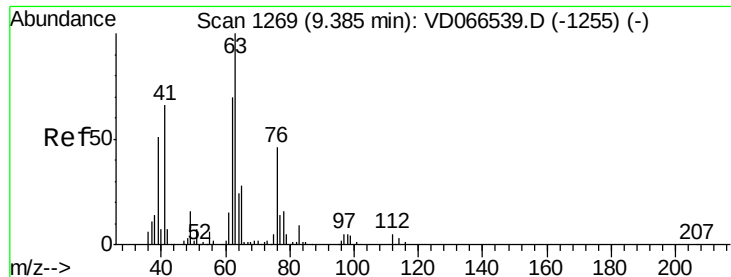
Tgt Ion:130 Resp: 88757

Ion Ratio Lower Upper

130 100

95 101.1 0.0 194.4

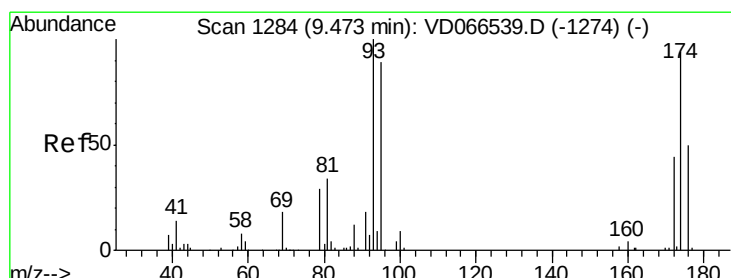
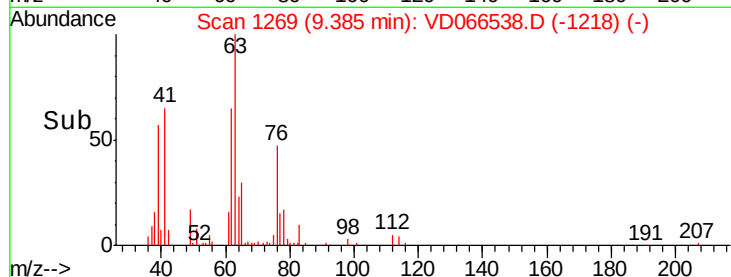
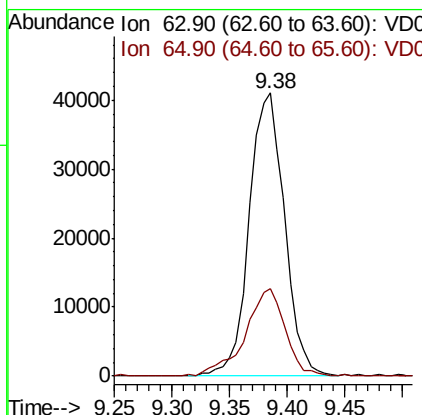
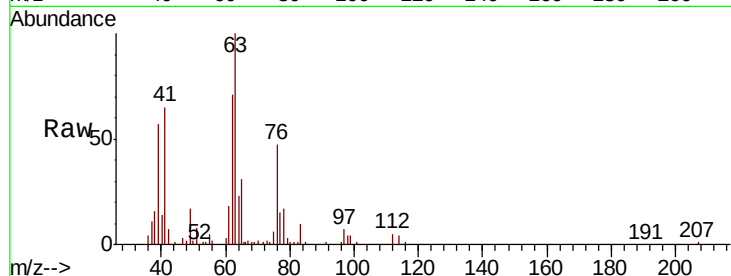




#45
 1,2-Dichloropropane
 Concen: 30.562 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

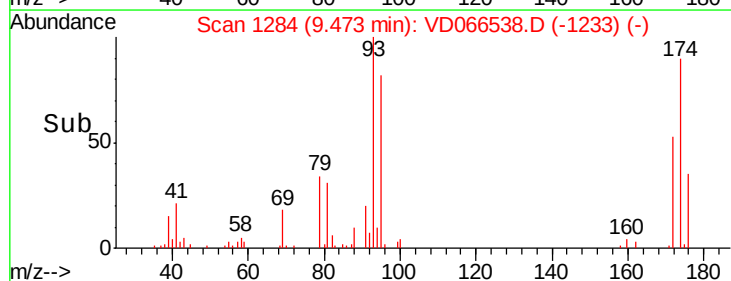
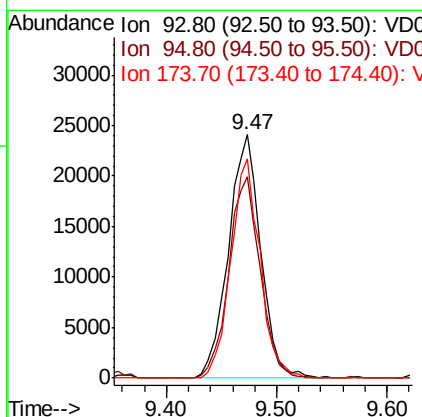
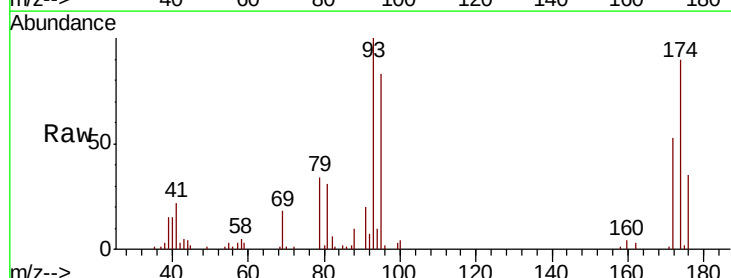
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

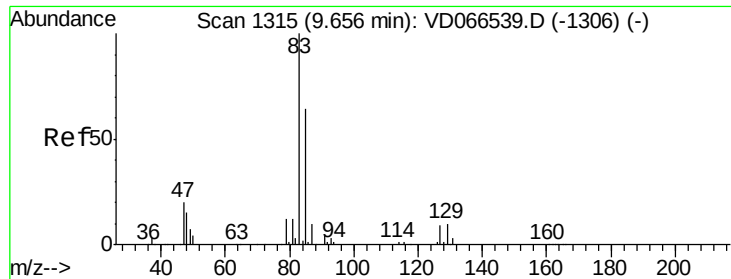
Tot Ion: 63 Resp: 87677
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.6 34.0



#46
 Dibromomethane
 Concen: 25.002 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion: 93 Resp: 49261
 Ion Ratio Lower Upper
 93 100
 95 80.7 68.7 103.1
 174 81.9 70.0 105.0

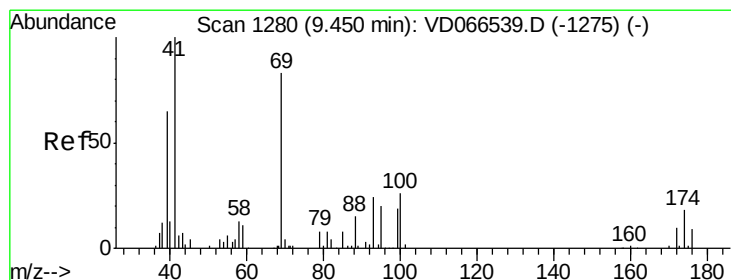
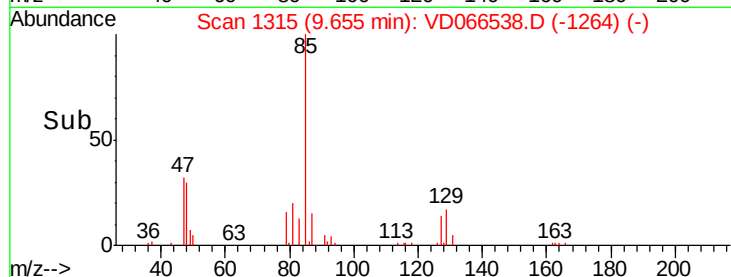
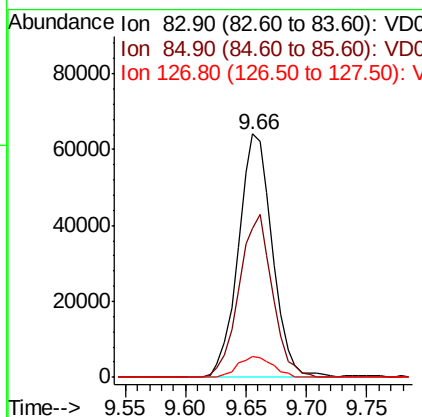
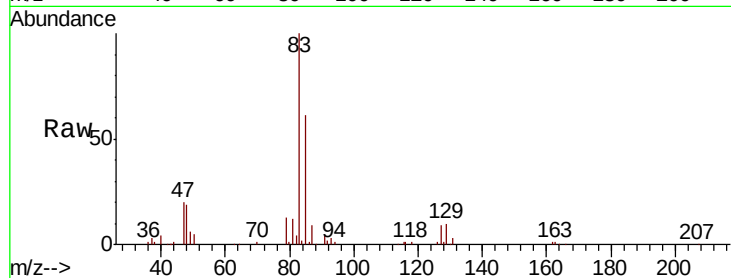




#47
Bromodichloromethane
Concen: 21.813 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

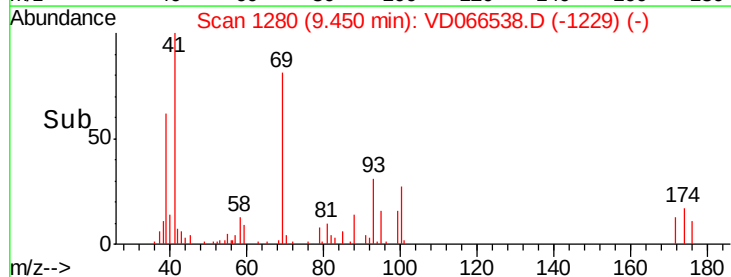
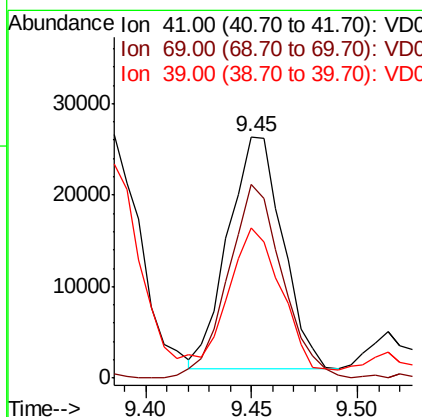
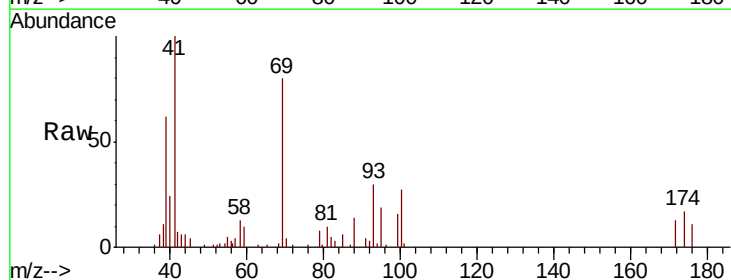
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

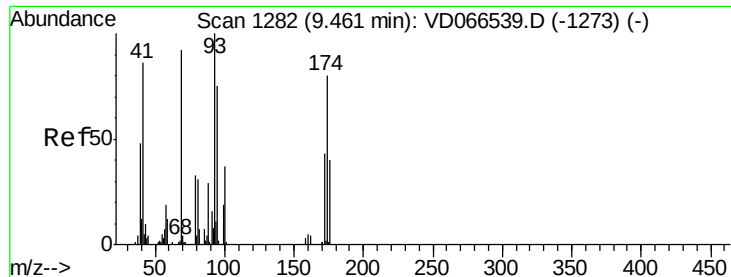
Tot Ion: 83 Resp: 125799
Ion Ratio Lower Upper
83 100
85 61.4 51.1 76.7
127 8.5 6.9 10.3



#48
Methyl methacrylate
Concen: 25.649 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 41 Resp: 45208
Ion Ratio Lower Upper
41 100
69 83.6 64.5 96.7
39 57.2 46.6 69.8





#49

1,4-Dioxane

Concen: 462.710 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

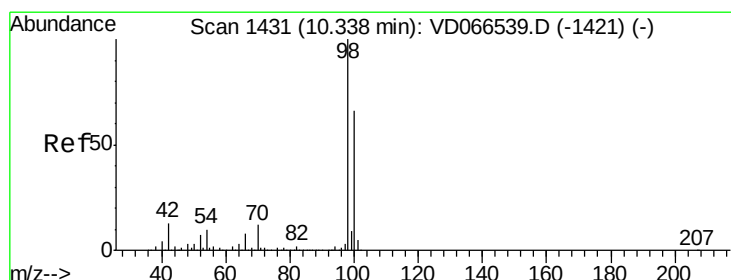
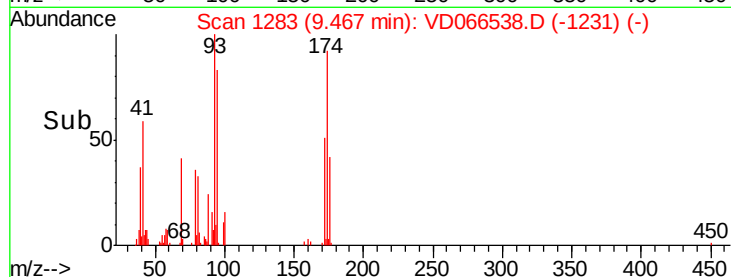
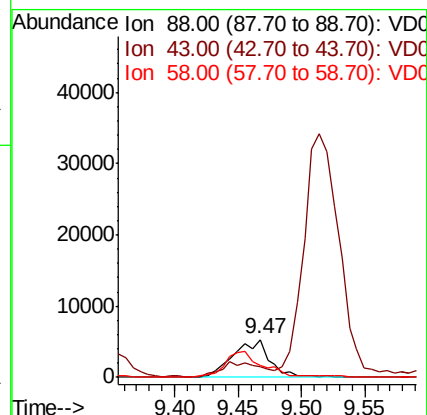
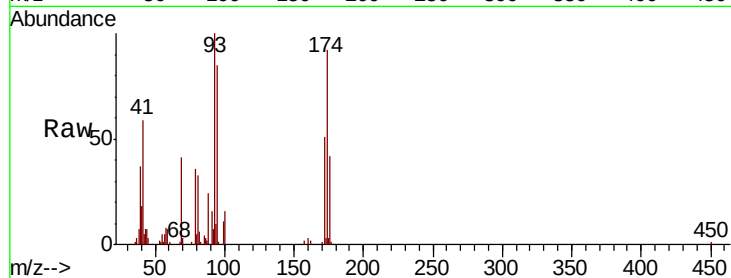
Tot Ion: 88 Resp: 10550

Ion Ratio Lower Upper

88 100

43 0.0 28.3 42.5#

58 69.7 56.1 84.1



#50

Toluene-d8

Concen: 21.237 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066538.D

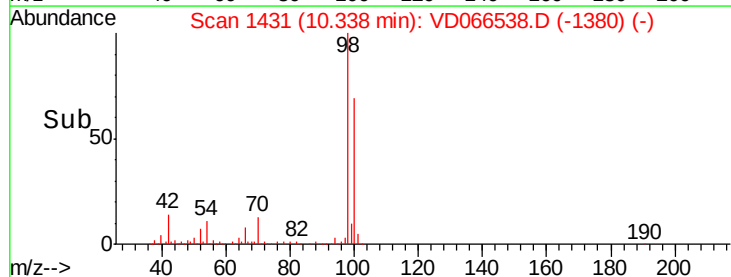
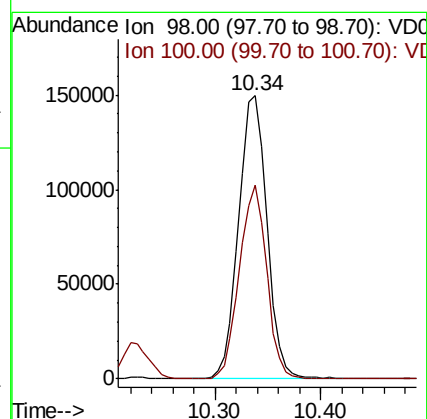
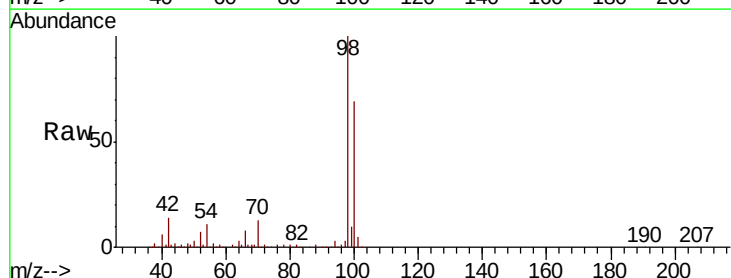
Acq: 03 Sep 2020 15:29

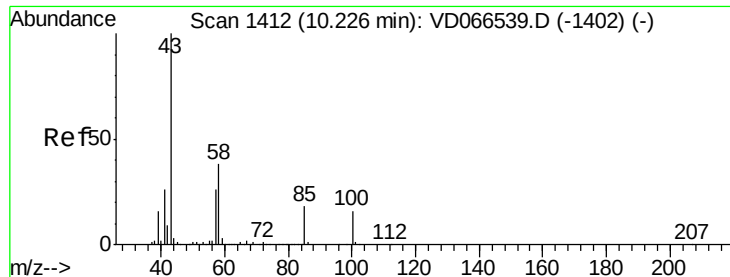
Tgt Ion: 98 Resp: 278710

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 144.994 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

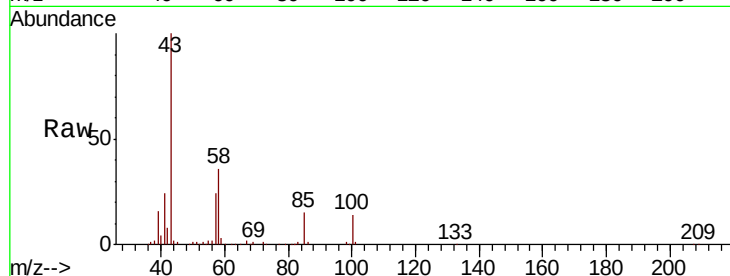
VSTDIC020

Tot Ion: 43 Resp: 234911

Ion Ratio Lower Upper

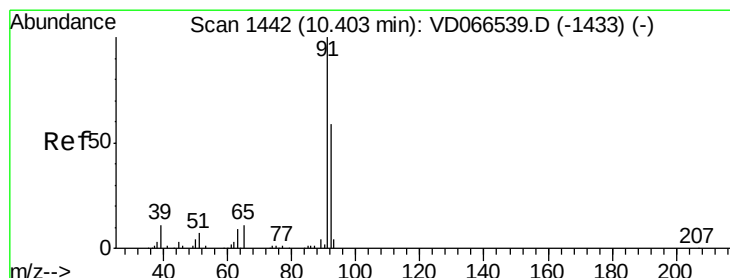
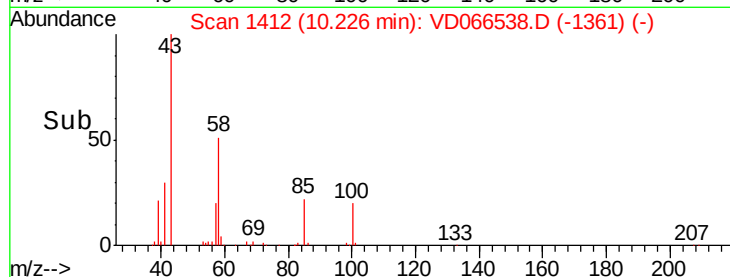
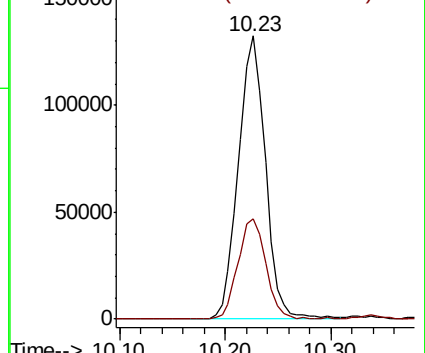
43 100

58 36.5 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.923 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066538.D

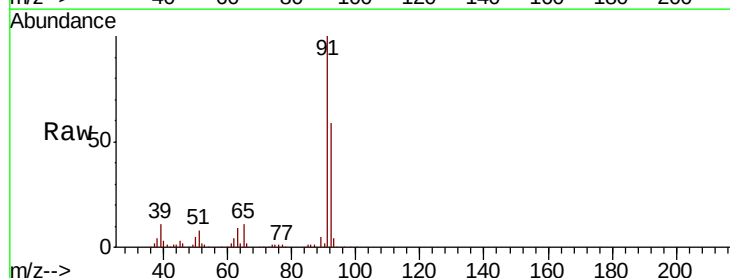
Acq: 03 Sep 2020 15:29

Tgt Ion: 92 Resp: 219255

Ion Ratio Lower Upper

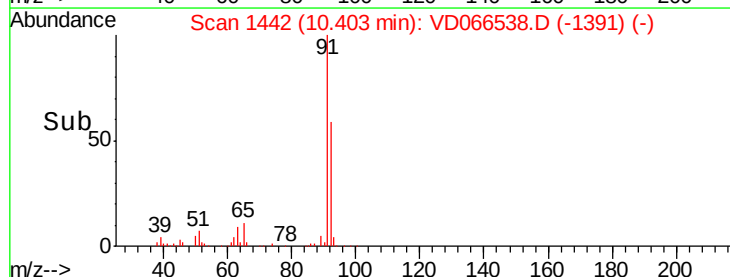
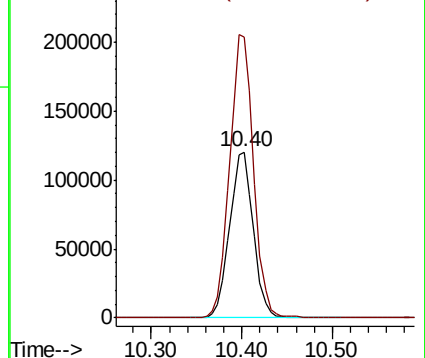
92 100

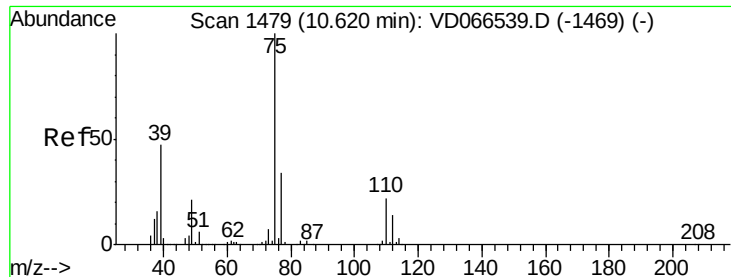
91 171.2 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.512 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

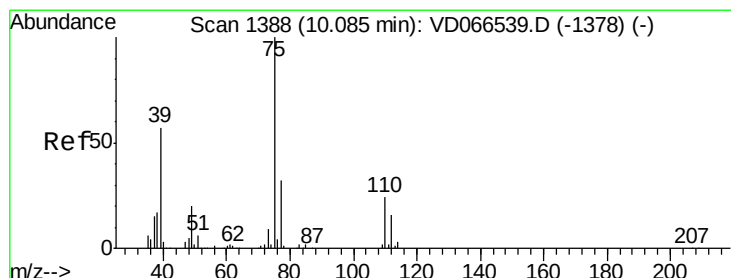
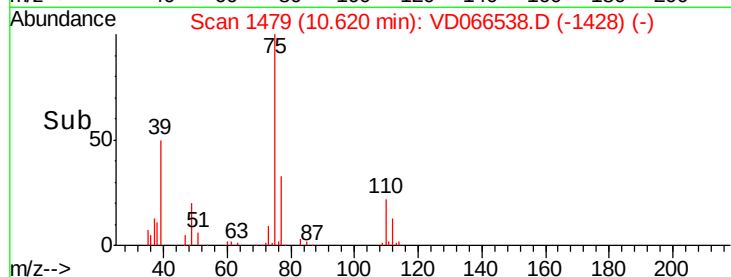
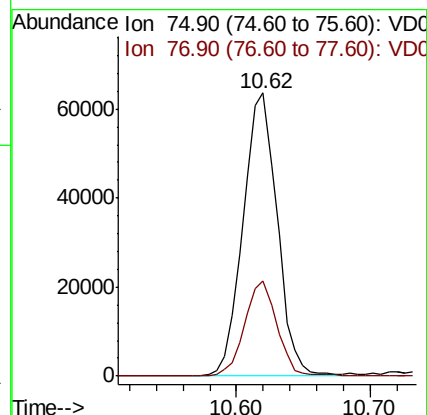
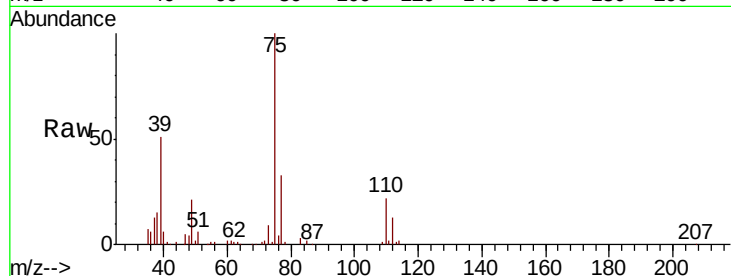
VSTDIC020

Tot Ion: 75 Resp: 112633

Ion Ratio Lower Upper

75 100

77 33.5 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 23.821 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

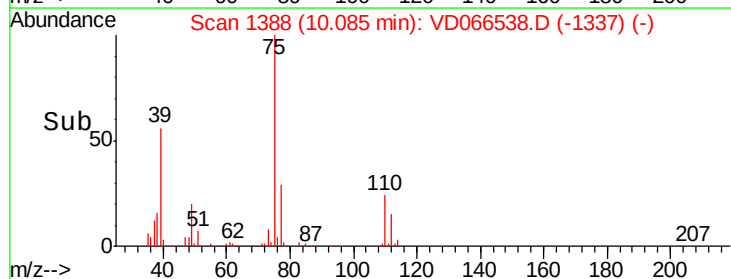
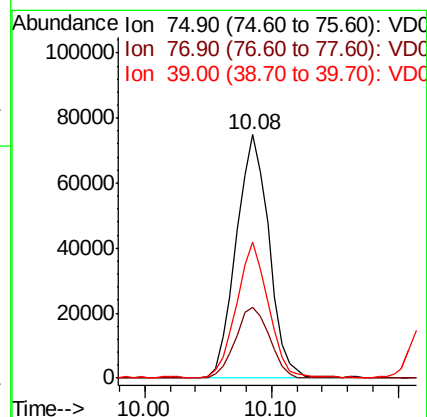
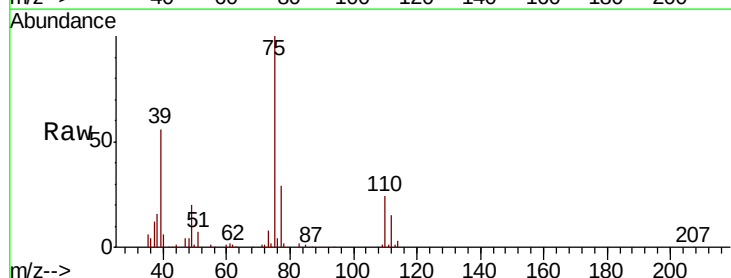
Tgt Ion: 75 Resp: 134629

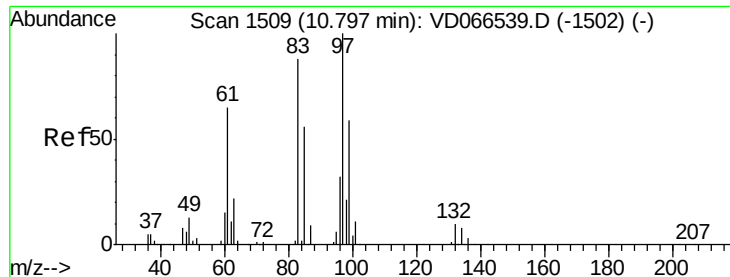
Ion Ratio Lower Upper

75 100

77 28.9 25.4 38.0

39 55.9 45.4 68.0

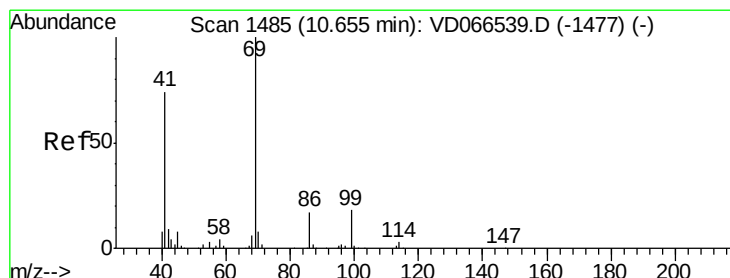
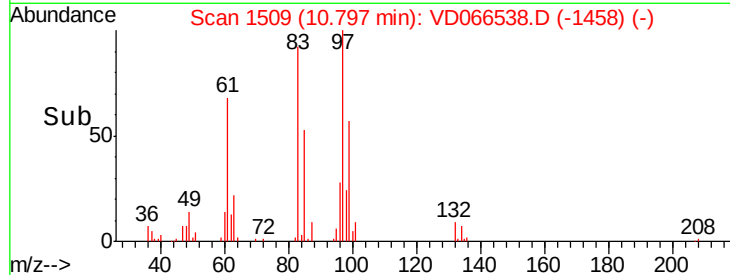
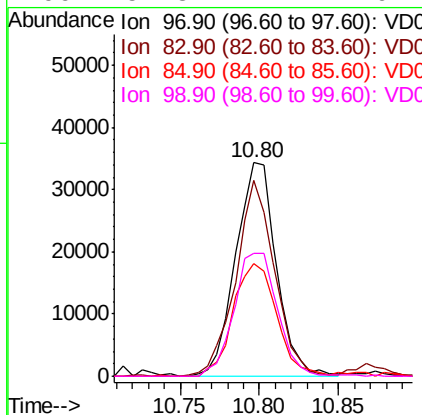
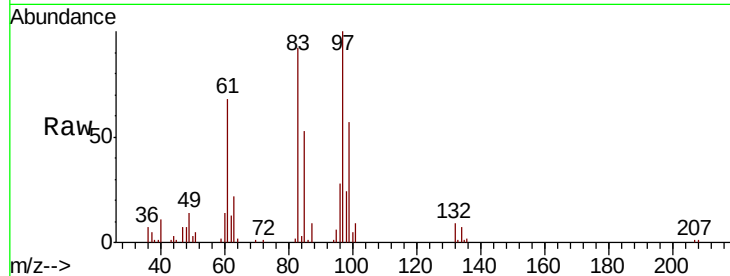




#55
 1,1,2-Trichloroethane
 Concen: 24.496 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

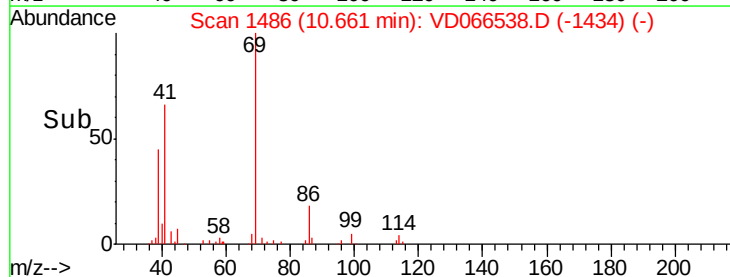
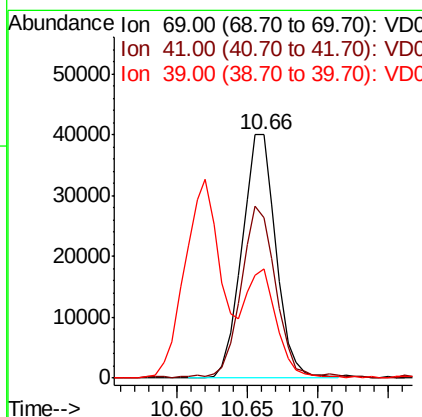
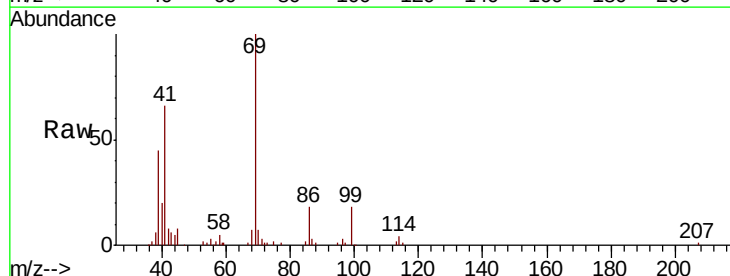
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

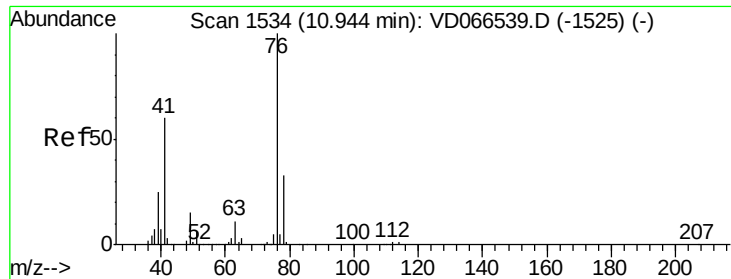
Tot Ion:	97	Resp:	61100
Ion	Ratio	Lower	Upper
97	100		
83	91.2	70.1	105.1
85	52.6	44.5	66.7
99	57.3	47.1	70.7



#56
 Ethyl methacrylate
 Concen: 22.719 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion:	69	Resp:	67599
Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.8	85.2
39	39.8	30.6	46.0

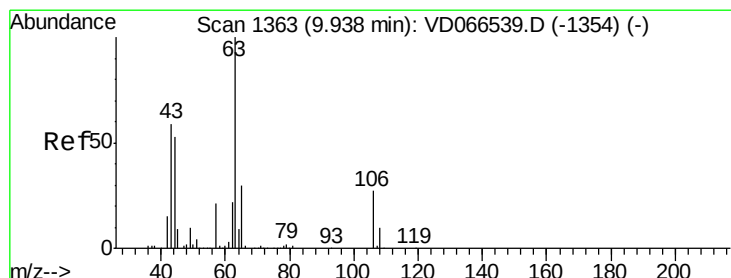
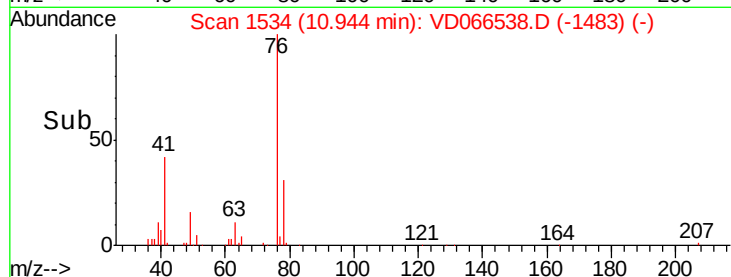
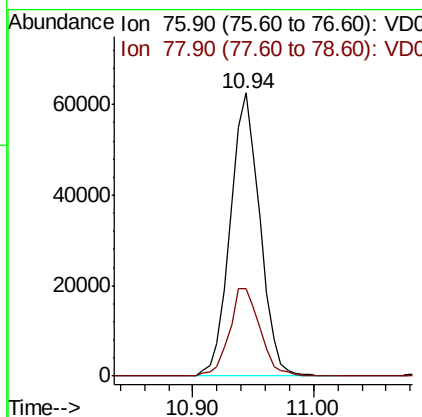
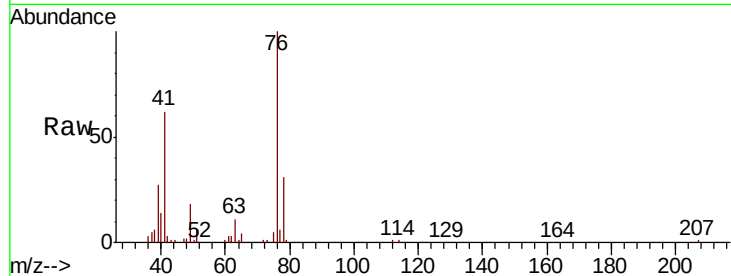




#57
 1,3-Dichloropropane
 Concen: 25.558 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

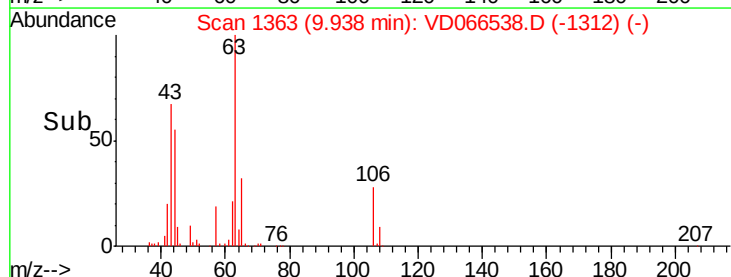
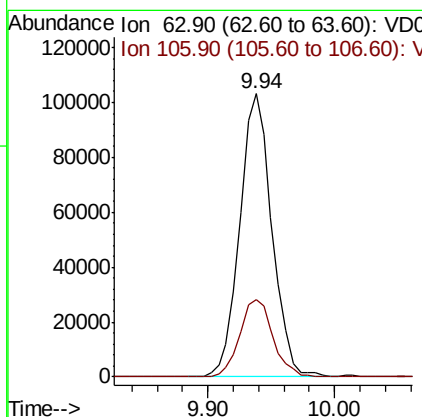
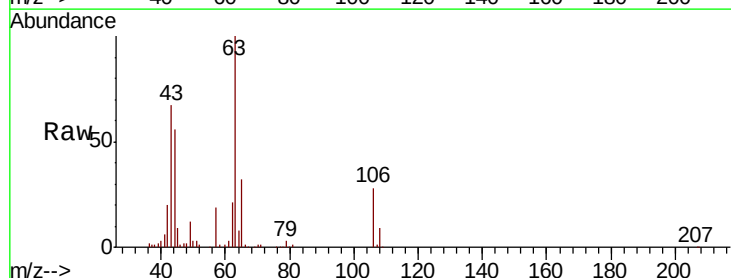
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

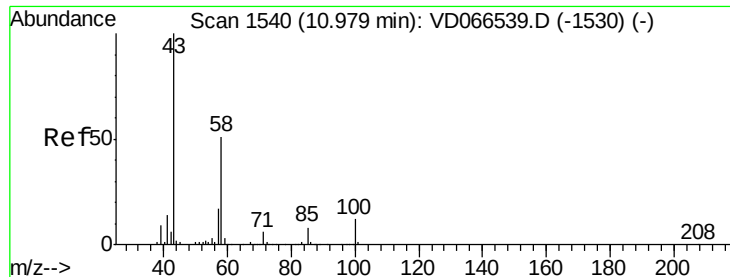
Tot Ion: 76 Resp: 106986
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 151.175 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion: 63 Resp: 181156
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.0 33.0

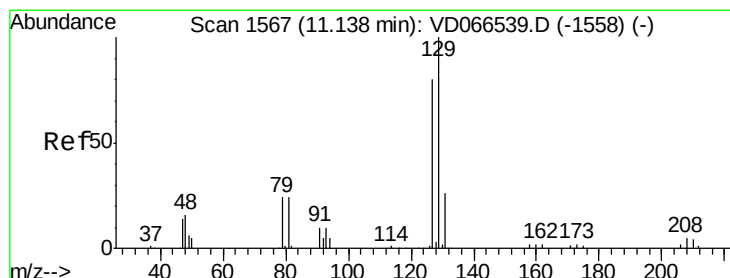
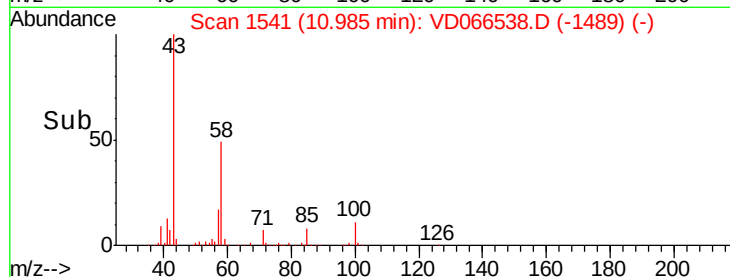
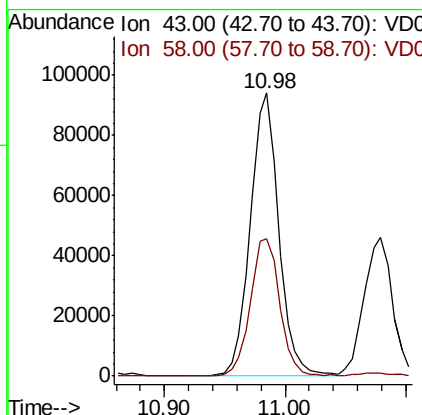
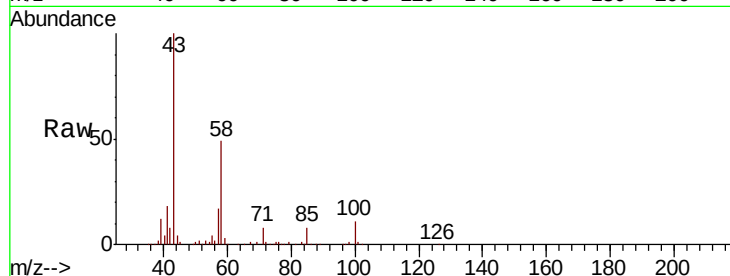




#59
2-Hexanone
Concen: 134.155 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

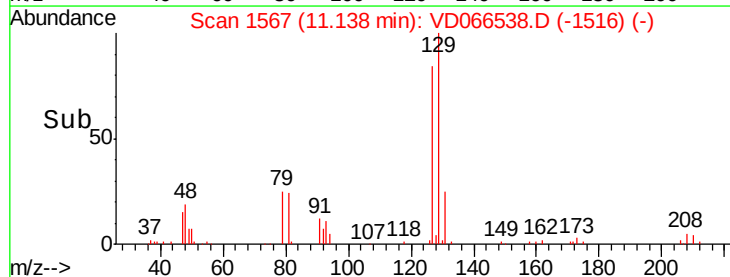
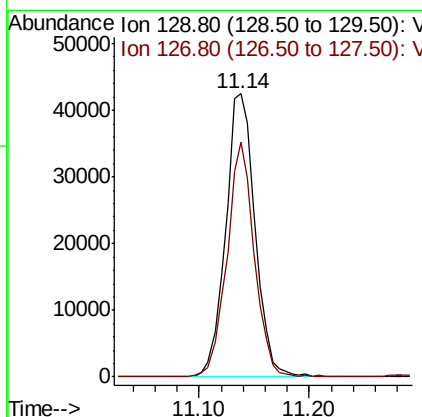
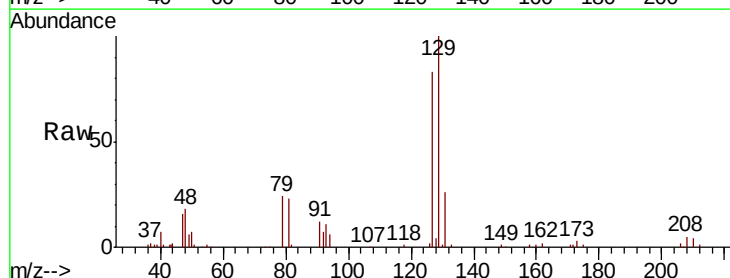
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

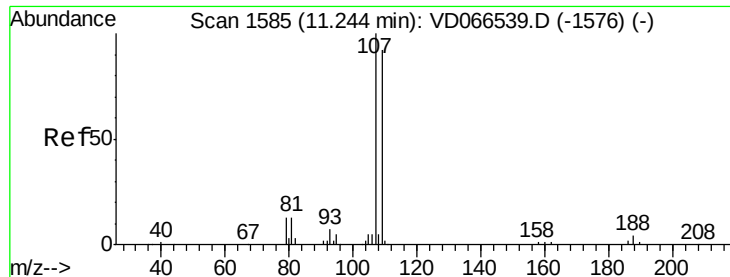
Tot Ion: 43 Resp: 155926
Ion Ratio Lower Upper
43 100
58 50.5 25.6 76.8



#60
Dibromochloromethane
Concen: 19.933 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 129 Resp: 79233
Ion Ratio Lower Upper
129 100
127 77.0 39.5 118.3

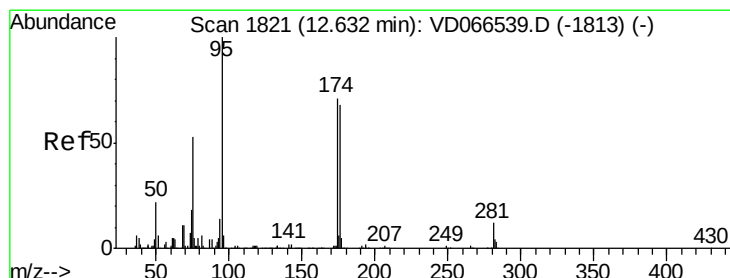
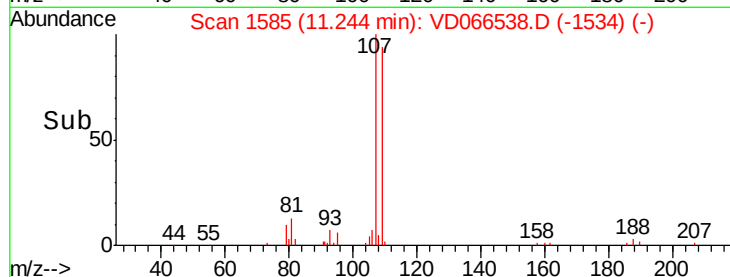
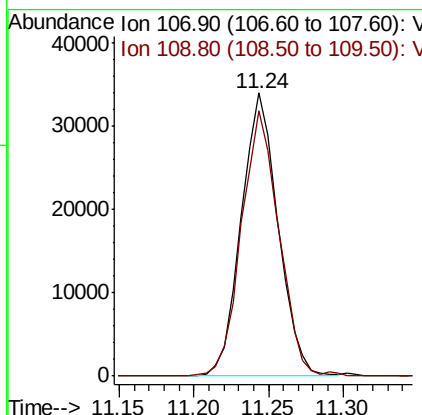
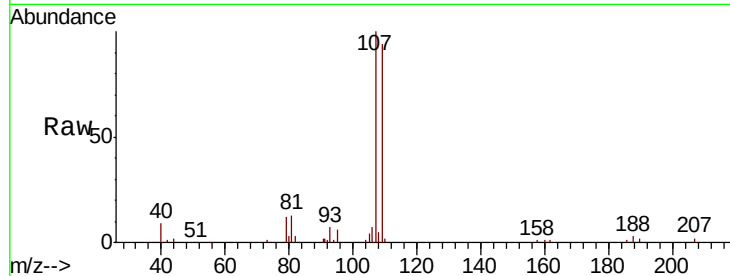




#61
 1,2-Dibromoethane
 Concen: 22.821 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

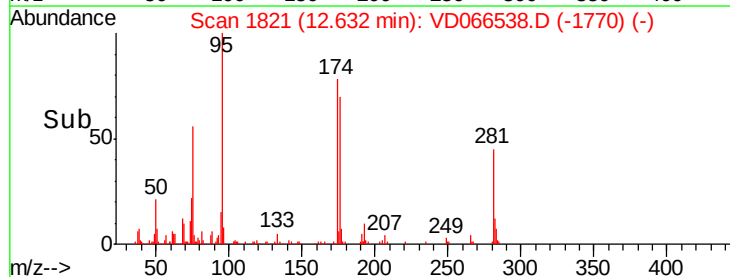
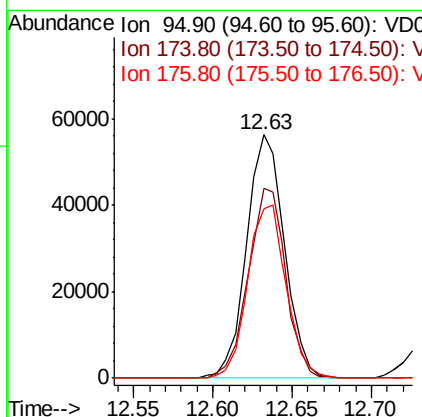
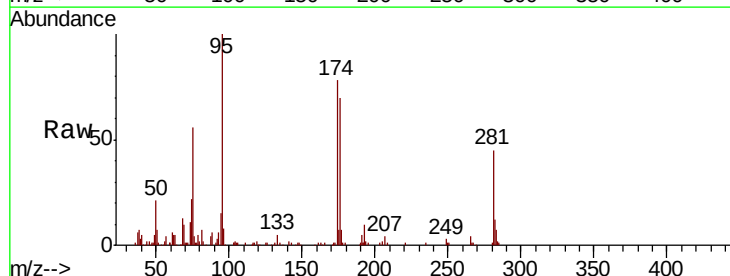
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

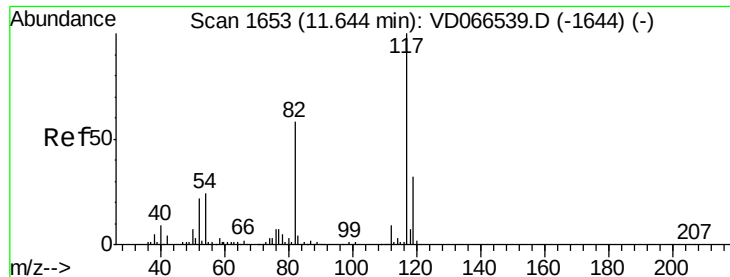
Tot Ion:107 Resp: 58111
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 19.928 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion: 95 Resp: 93060
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 155.8
 176 72.5 0.0 148.6

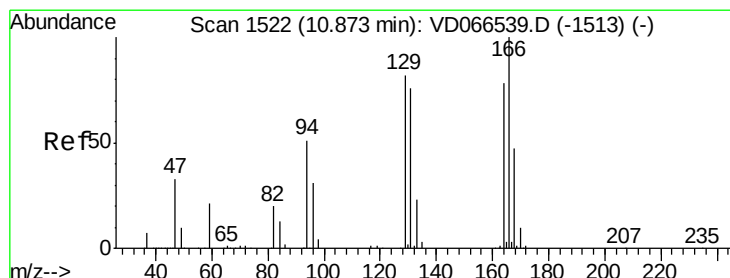
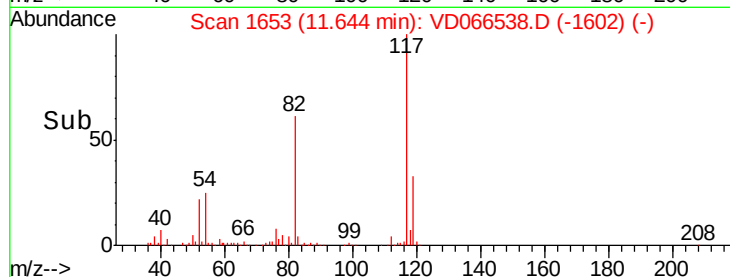
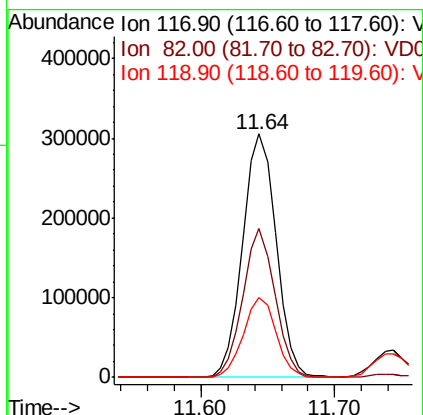
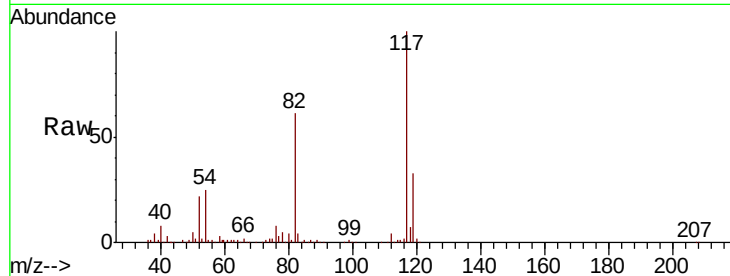




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

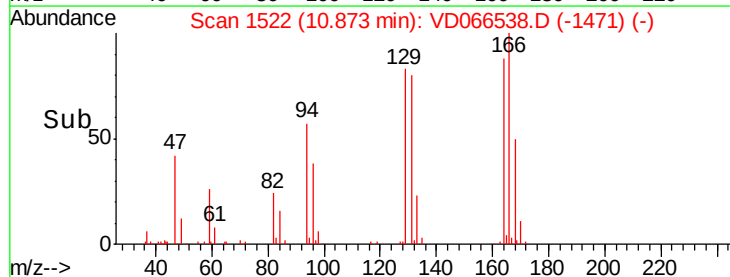
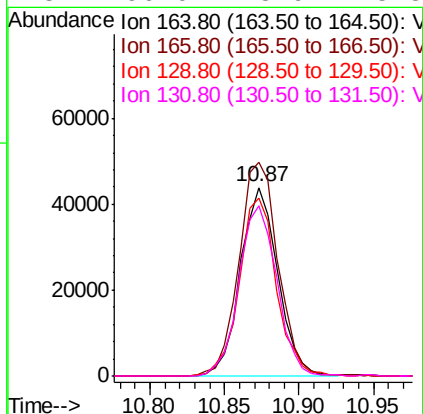
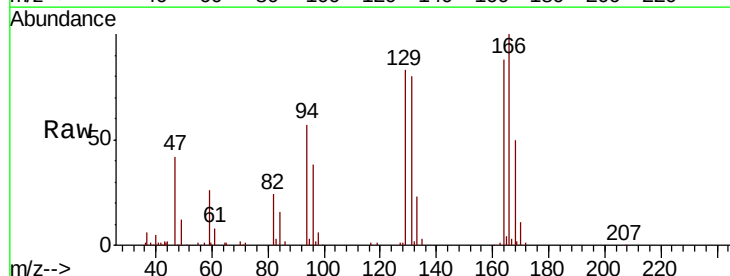
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

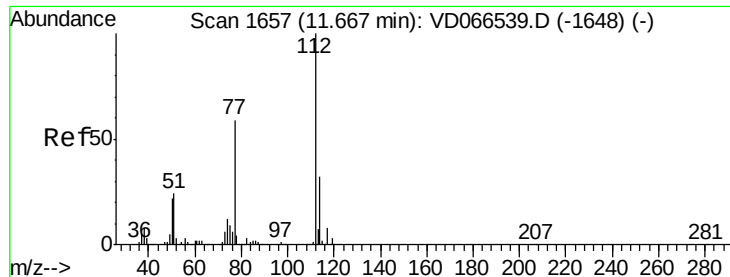
Tot Ion:117 Resp: 531519
Ion Ratio Lower Upper
117 100
82 61.4 46.2 69.2
119 32.7 25.8 38.8



#64
Tetrachloroethene
Concen: 18.918 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion:164 Resp: 76121
Ion Ratio Lower Upper
164 100
166 113.1 103.2 154.8
129 94.2 84.5 126.7
131 90.0 78.9 118.3





#65

Chlorobenzene

Concen: 21.439 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

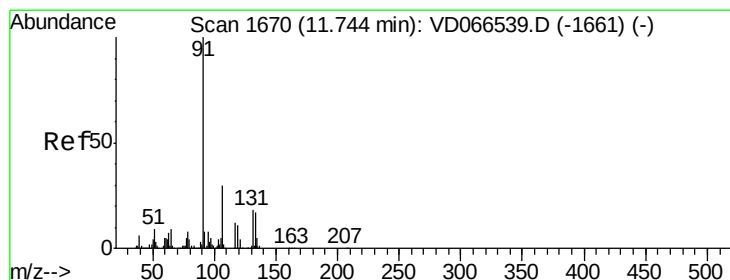
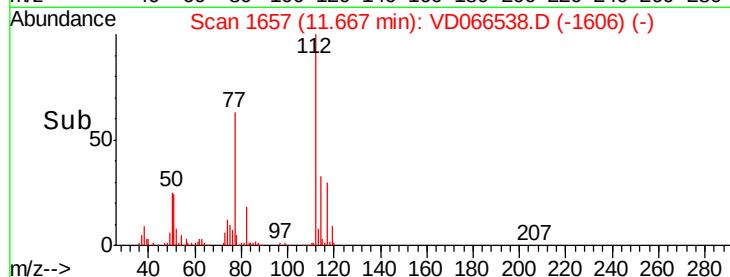
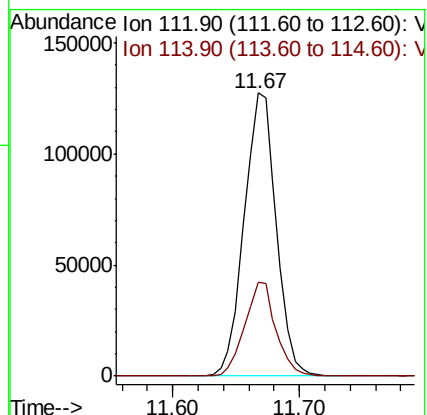
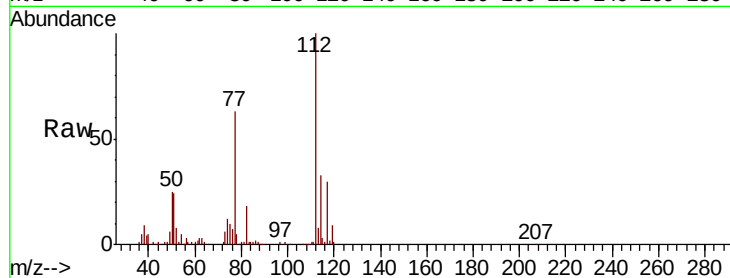
VSTDIC020

Tot Ion:112 Resp: 223855

Ion Ratio Lower Upper

112 100

114 33.2 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 19.662 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

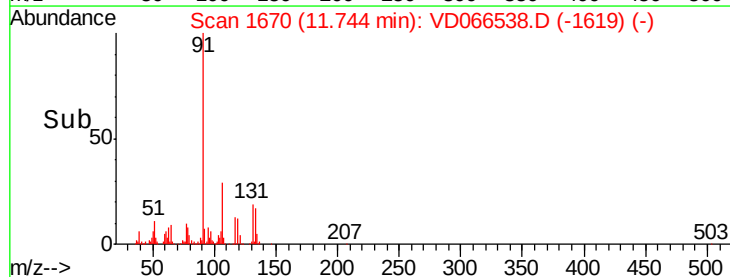
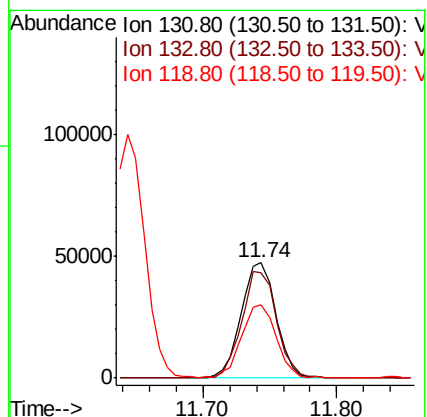
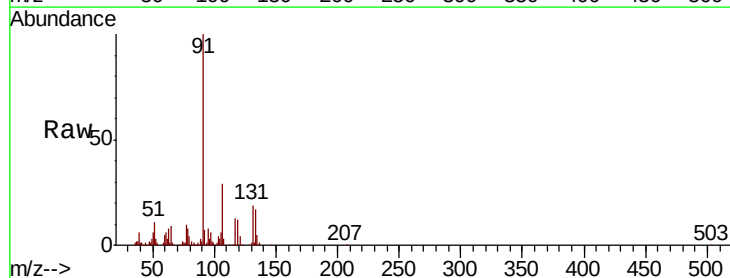
Tgt Ion:131 Resp: 85515

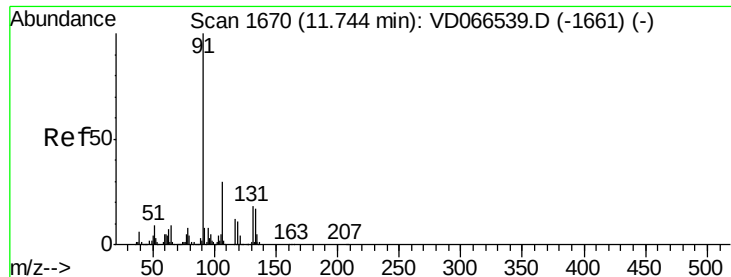
Ion Ratio Lower Upper

131 100

133 92.4 46.7 140.0

119 63.4 31.9 95.7

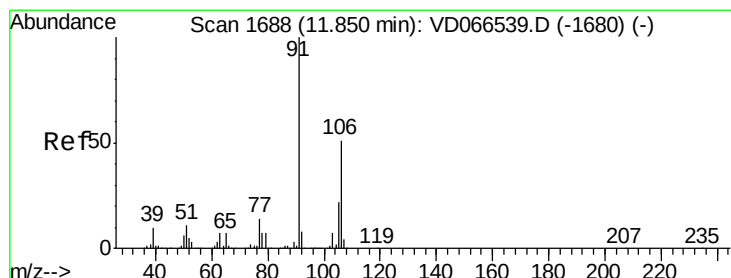
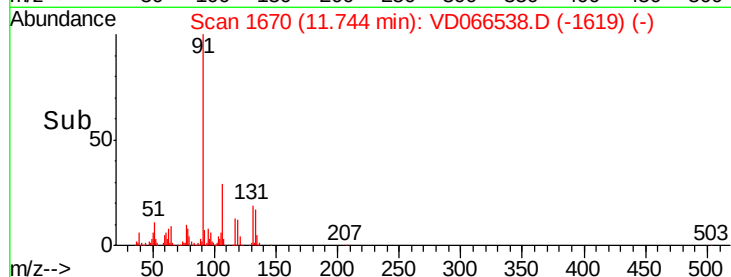
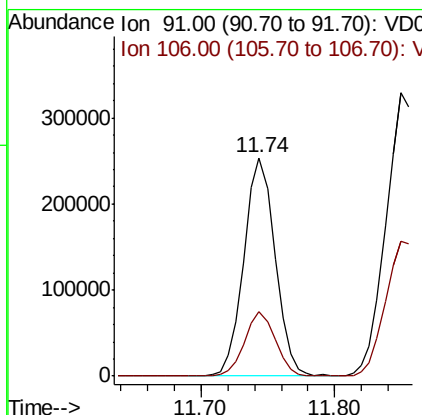
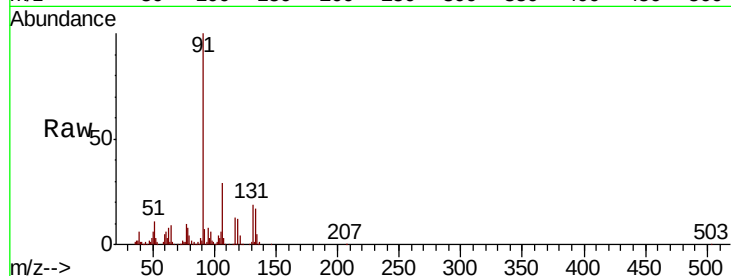




#67
Ethyl Benzene
Concen: 22.059 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

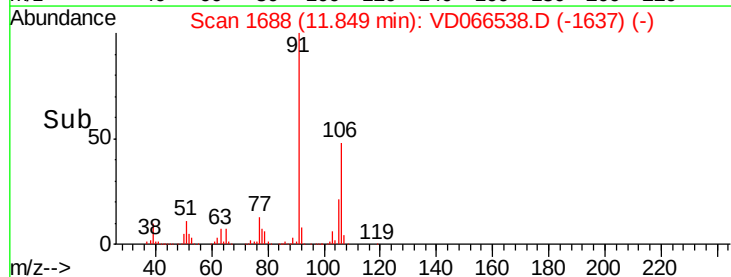
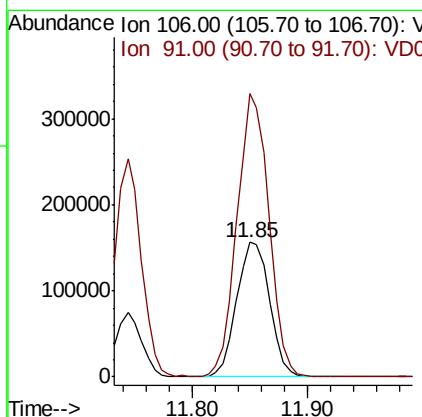
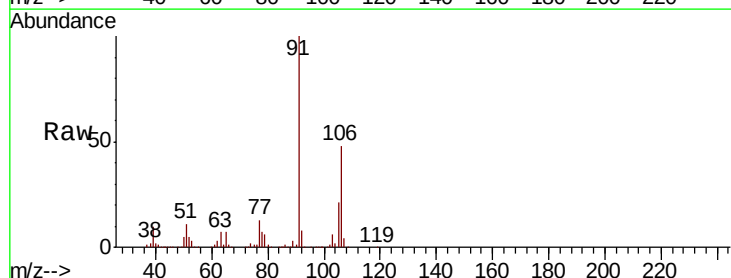
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

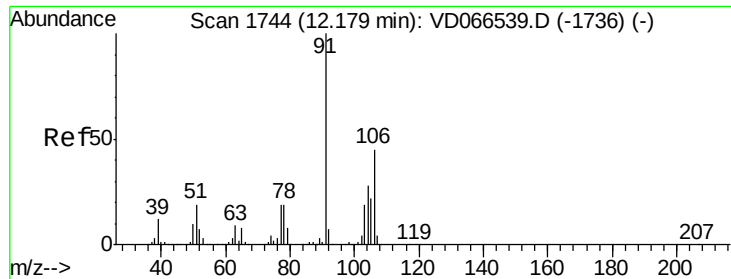
Tot Ion: 91 Resp: 410108
Ion Ratio Lower Upper
91 100
106 29.2 24.3 36.5



#68
m/p-Xylenes
Concen: 43.096 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 106 Resp: 309475
Ion Ratio Lower Upper
106 100
91 203.8 162.4 243.6

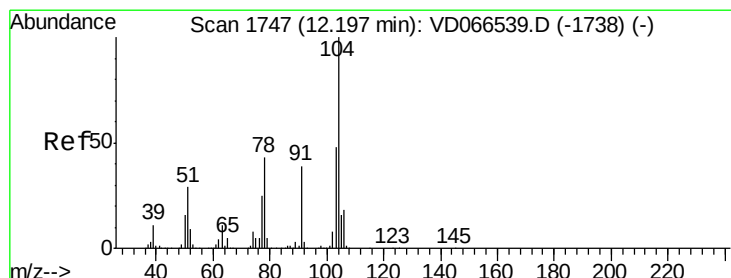
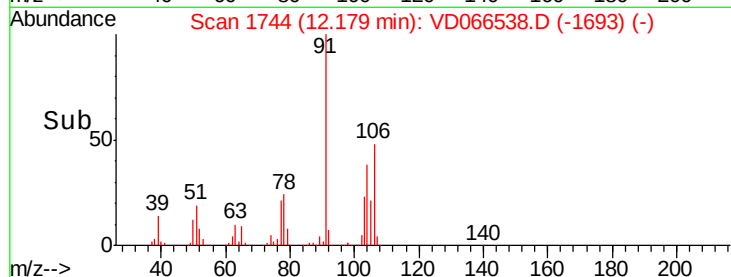
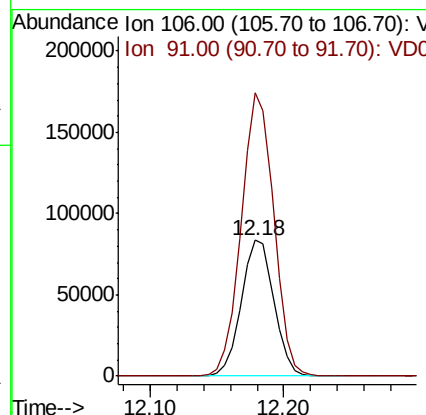
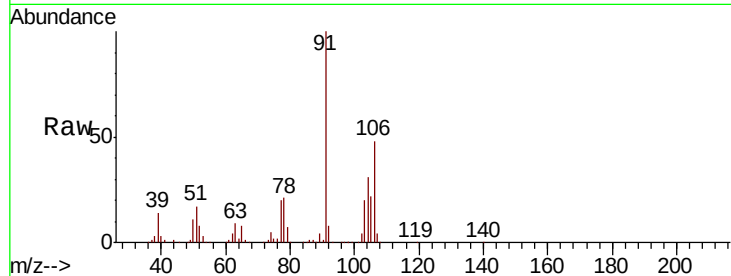




#69
o-Xylene
Concen: 20.889 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

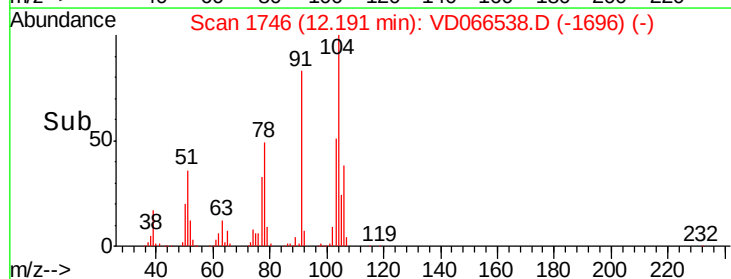
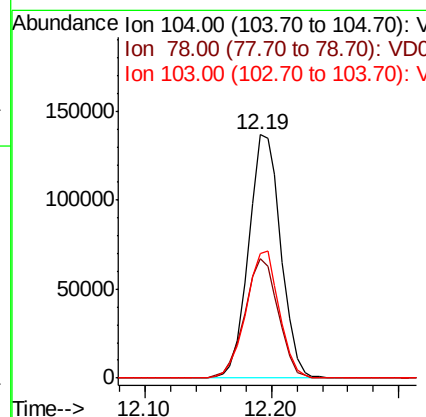
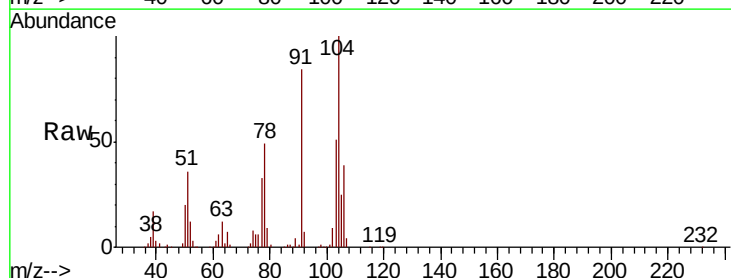
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

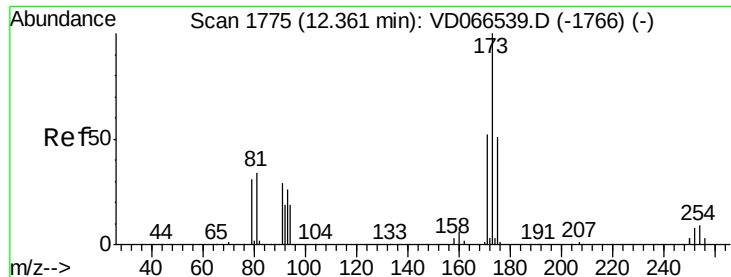
Tot Ion:106 Resp: 141202
Ion Ratio Lower Upper
106 100
91 207.8 107.9 323.8



#70
Styrene
Concen: 20.824 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion:104 Resp: 241175
Ion Ratio Lower Upper
104 100
78 51.2 40.7 61.1
103 53.8 42.9 64.3





#71

Bromoform

Concen: 18.009 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

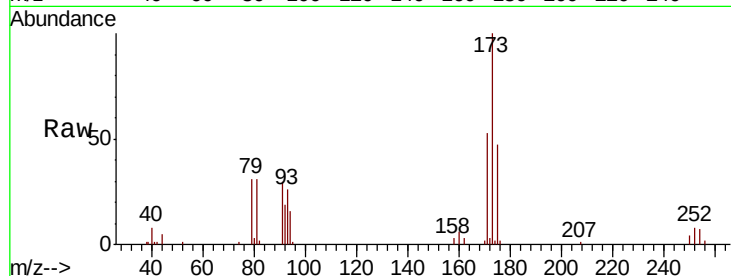
Tot Ion:173 Resp: 42164

Ion Ratio Lower Upper

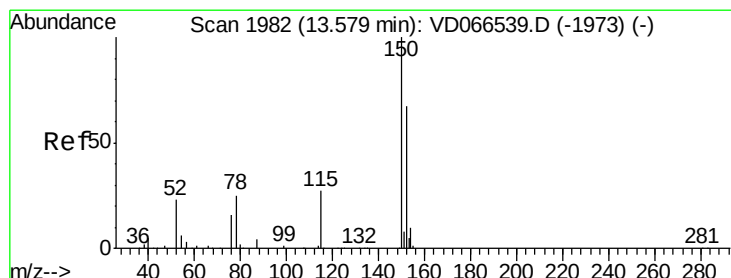
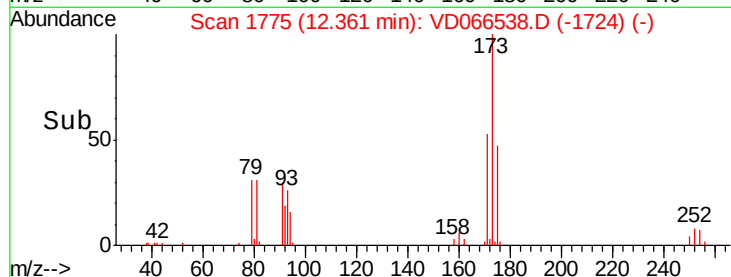
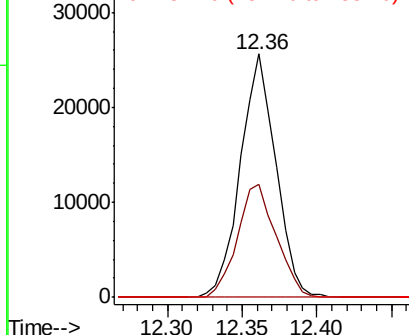
173 100

175 50.6 24.2 72.6

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# 1982

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

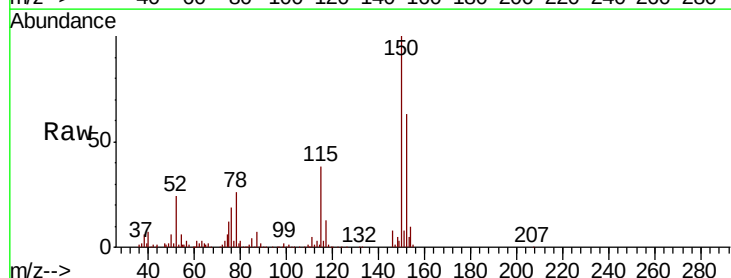
Tgt Ion:152 Resp: 251459

Ion Ratio Lower Upper

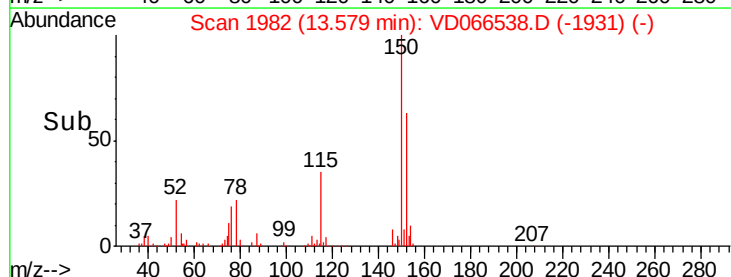
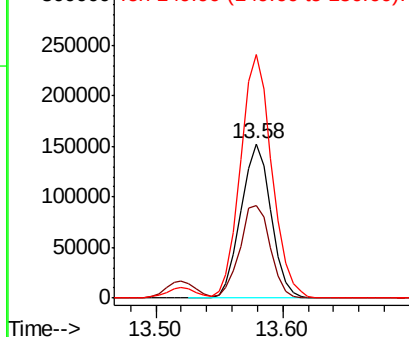
152 100

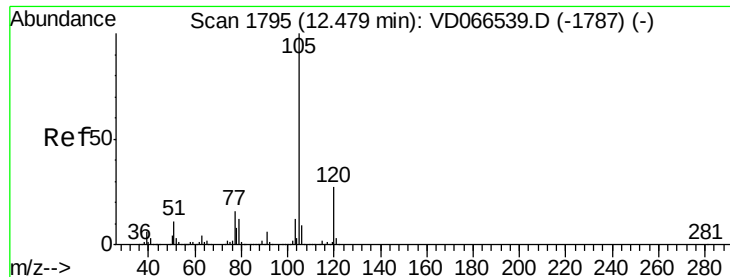
115 60.8 30.4 91.2

150 163.7 0.0 345.8



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





#73

Isopropylbenzene

Concen: 22.062 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

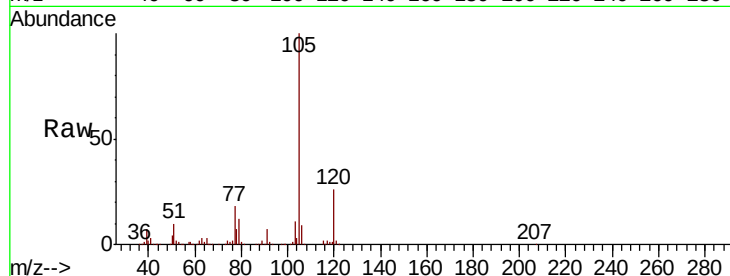
VSTDIC020

Tot Ion:105 Resp: 377219

Ion Ratio Lower Upper

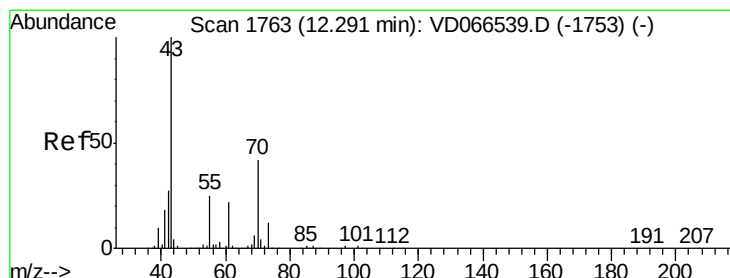
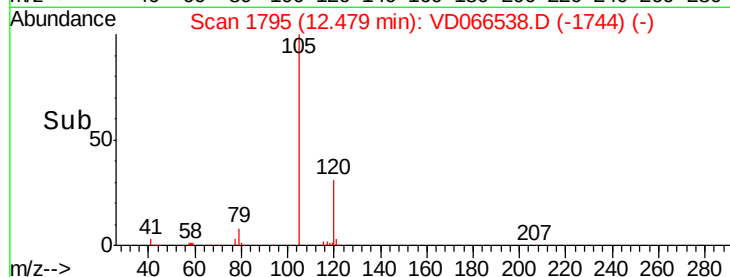
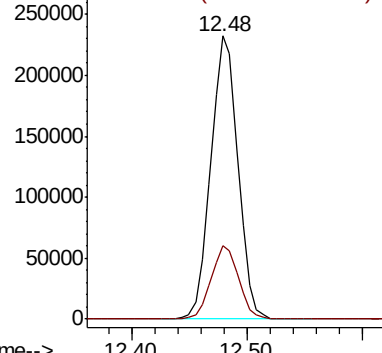
105 100

120 26.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 29.989 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Tgt Ion: 43 Resp: 84422

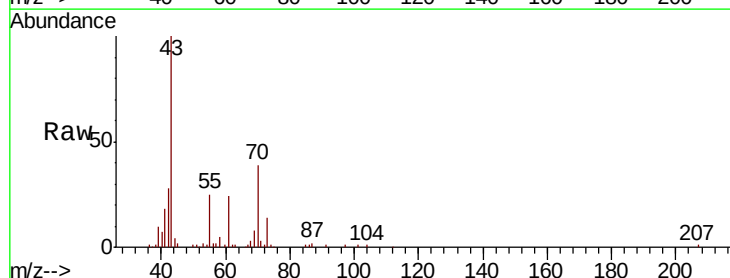
Ion Ratio Lower Upper

43 100

70 40.7 33.4 50.2

55 26.1 20.1 30.1

61 21.9 18.2 27.2

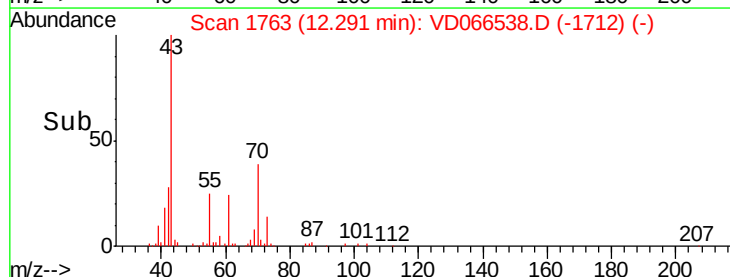
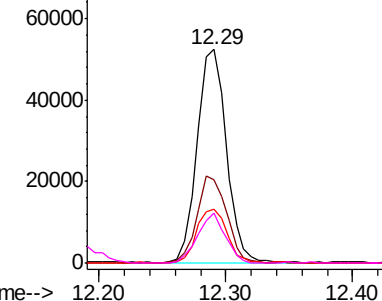


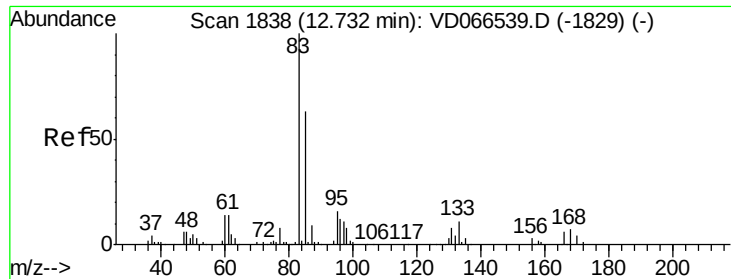
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 29.433 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

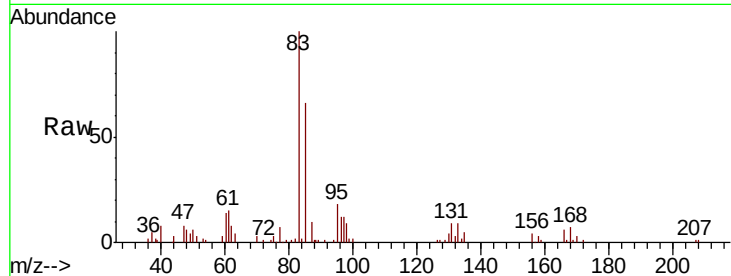
Tot Ion: 83 Resp: 64771

Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

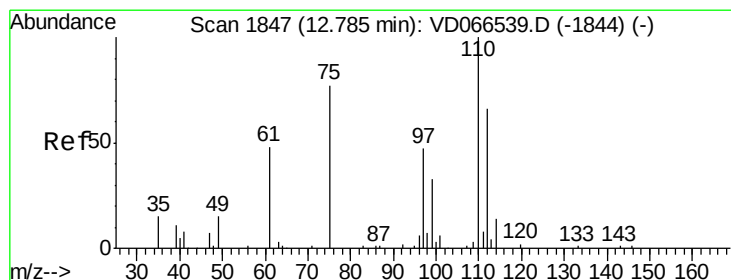
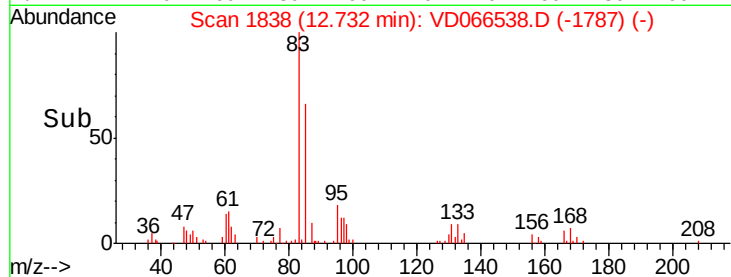
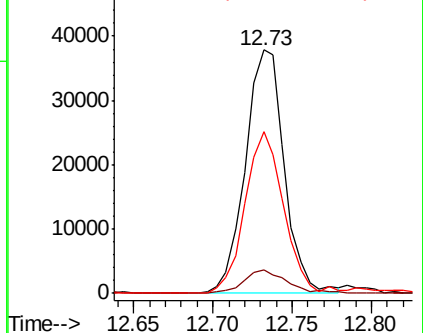
85 66.0 32.1 96.3



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: 50.015 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066538.D

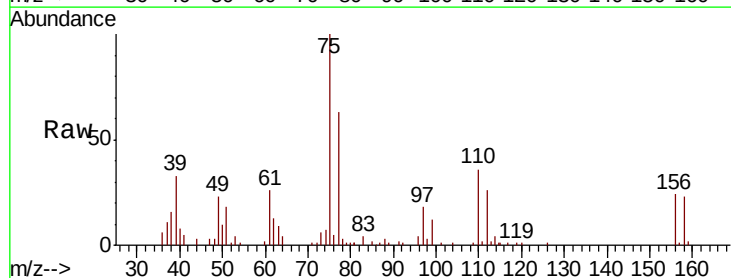
Acq: 03 Sep 2020 15:29

Tgt Ion: 75 Resp: 87247

Ion Ratio Lower Upper

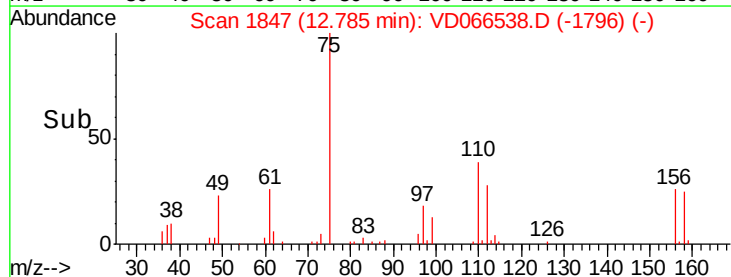
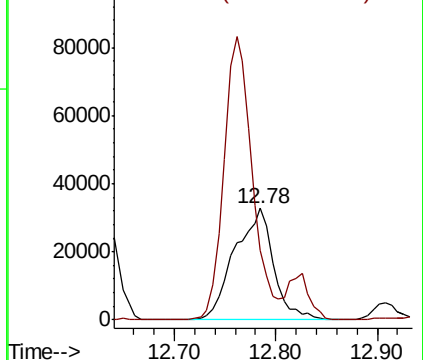
75 100

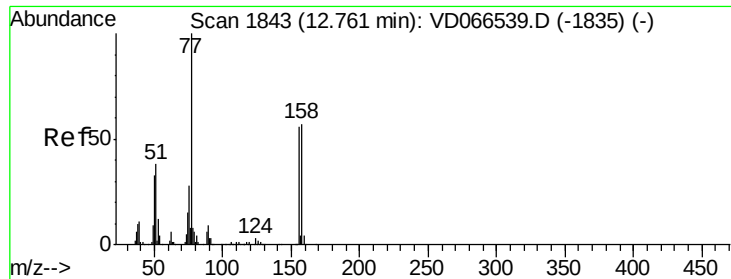
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.729 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

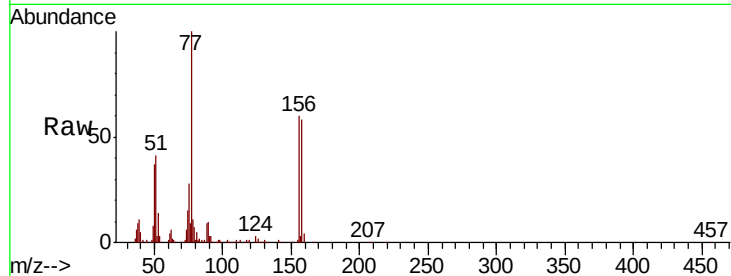
Tot Ion:156 Resp: 83513

Ion Ratio Lower Upper

156 100

77 193.2 98.0 294.1

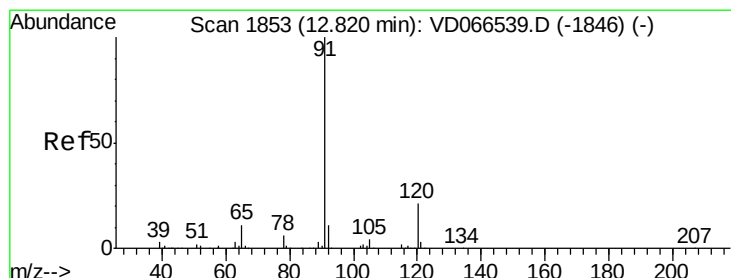
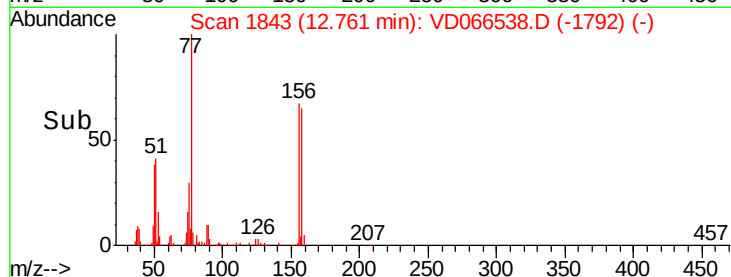
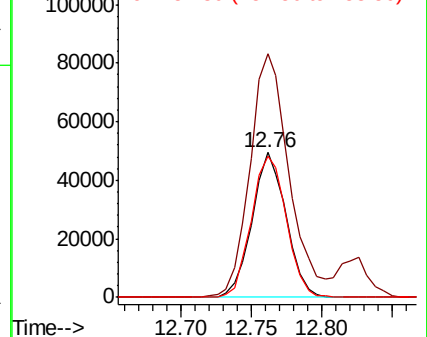
158 100.3 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 24.205 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066538.D

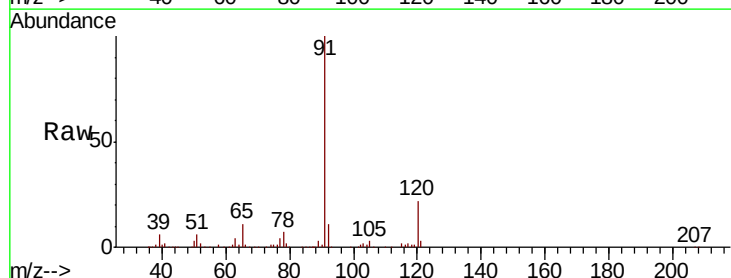
Acq: 03 Sep 2020 15:29

Tgt Ion: 91 Resp: 461792

Ion Ratio Lower Upper

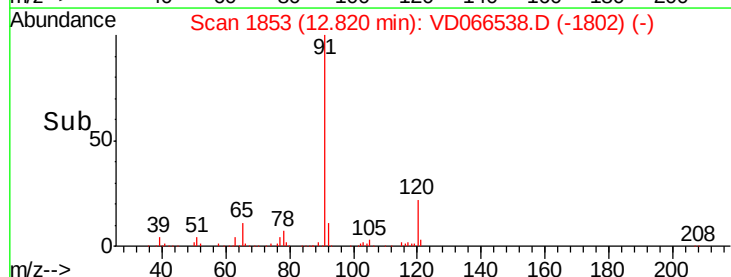
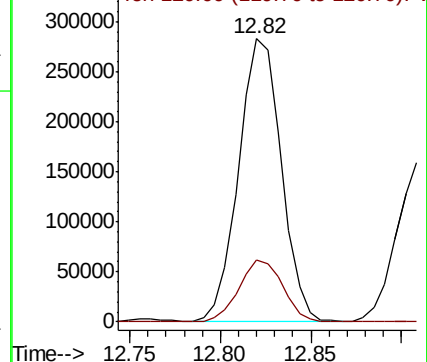
91 100

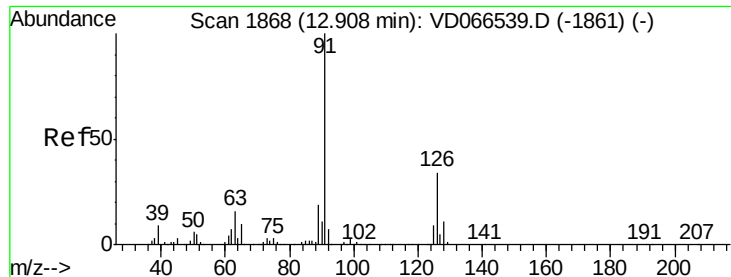
120 22.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

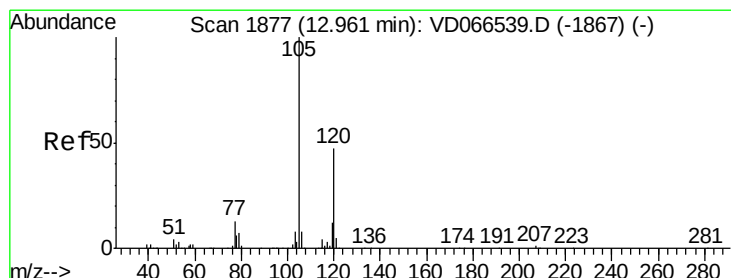
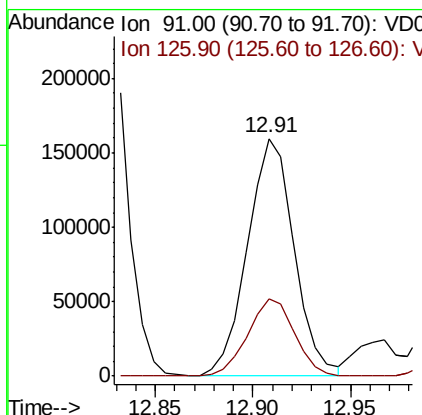
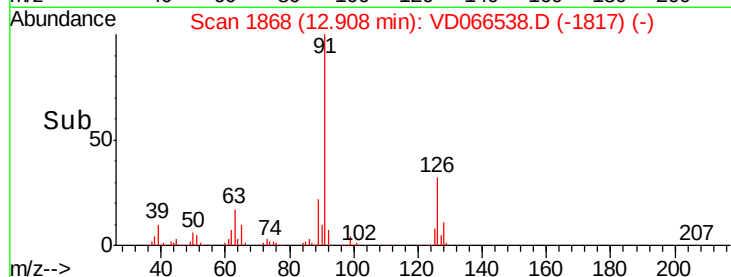
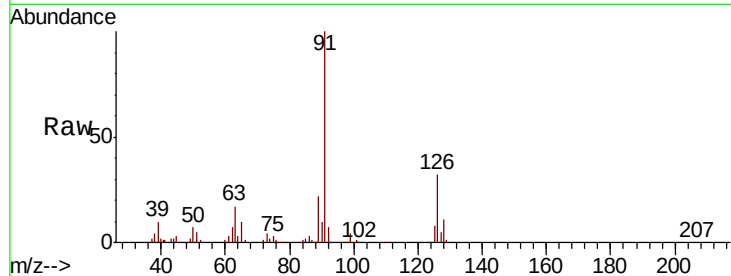




#79
 2-Chlorotoluene
 Concen: 24.173 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

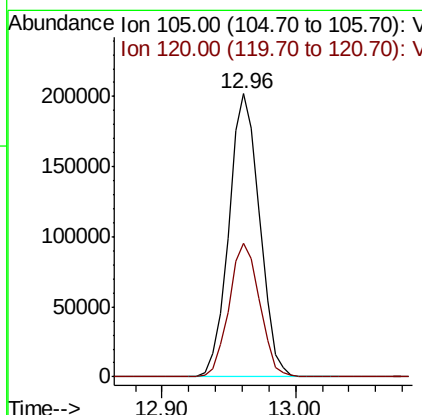
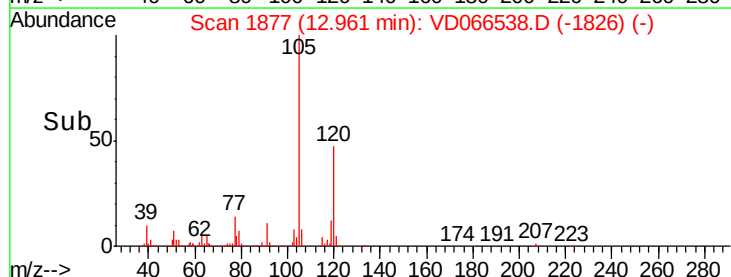
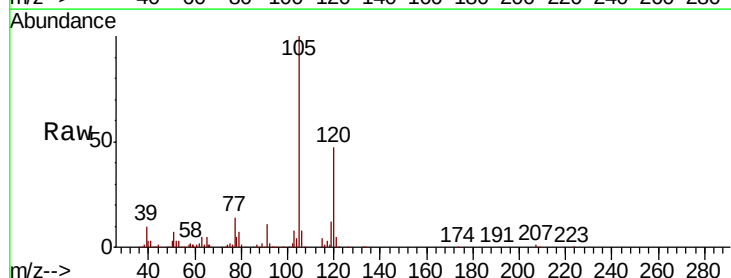
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

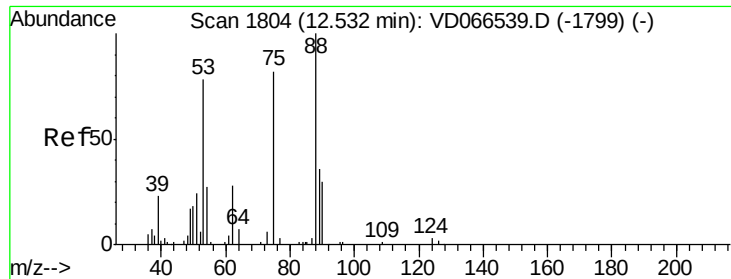
Tot Ion: 91 Resp: 263841
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.894 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion: 105 Resp: 324664
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 27.664 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

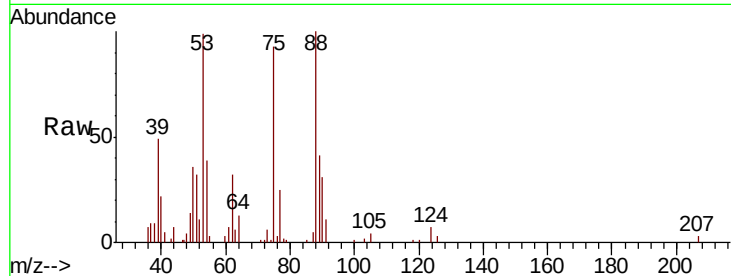
Tot Ion: 75 Resp: 20872

Ion Ratio Lower Upper

75 100

53 101.8 87.0 130.4

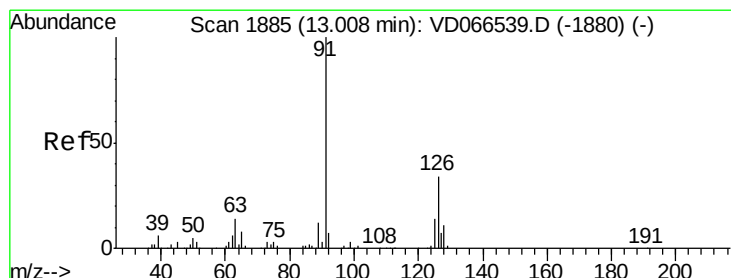
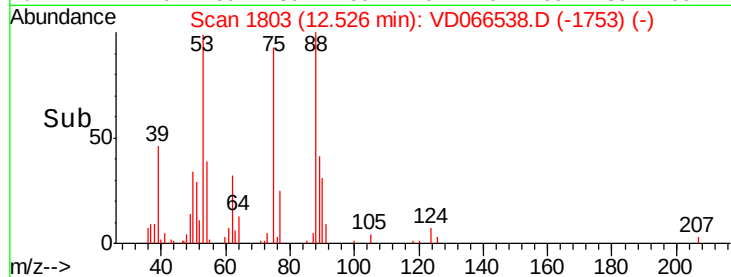
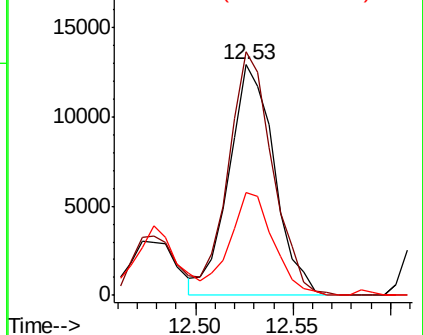
89 43.1 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 24.013 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066538.D

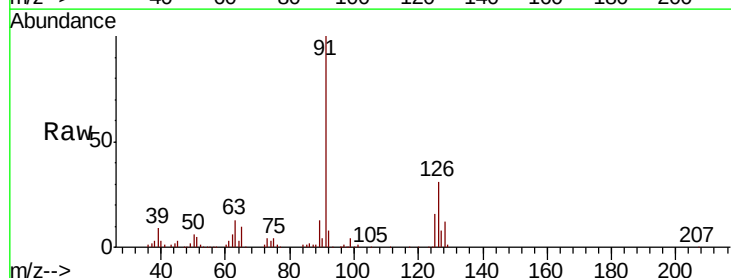
Acq: 03 Sep 2020 15:29

Tgt Ion: 91 Resp: 281418

Ion Ratio Lower Upper

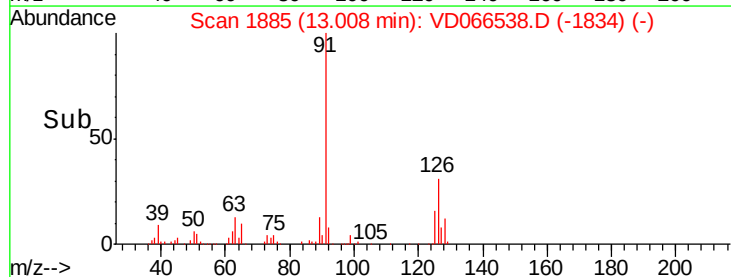
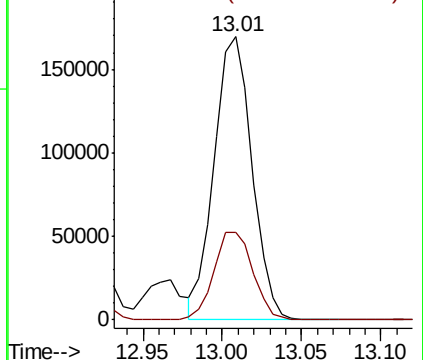
91 100

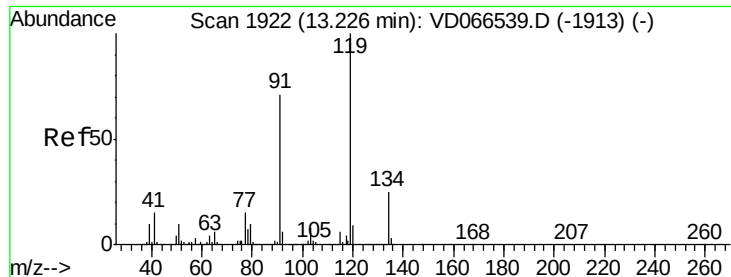
126 31.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

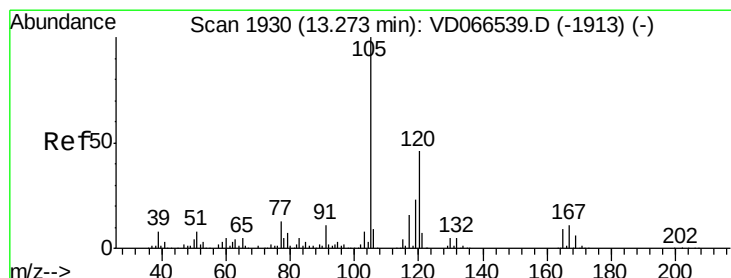
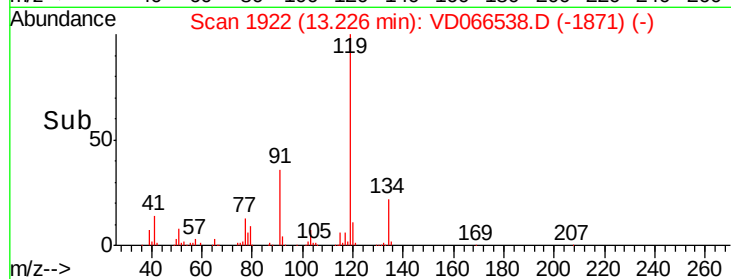
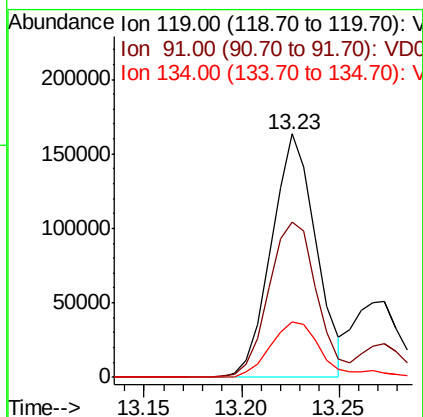
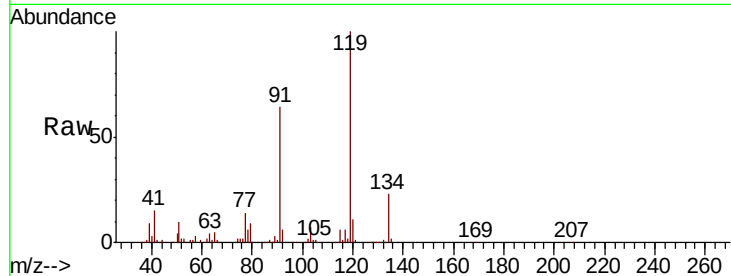




#83
 tert-Butylbenzene
 Concen: 20.165 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

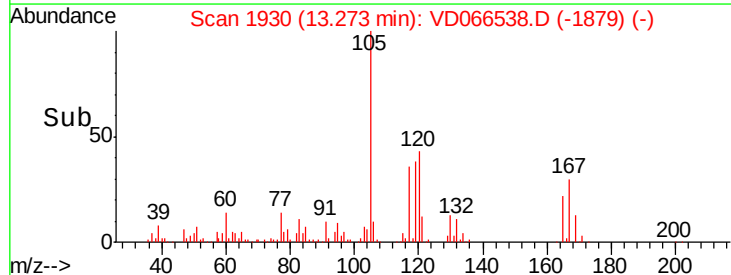
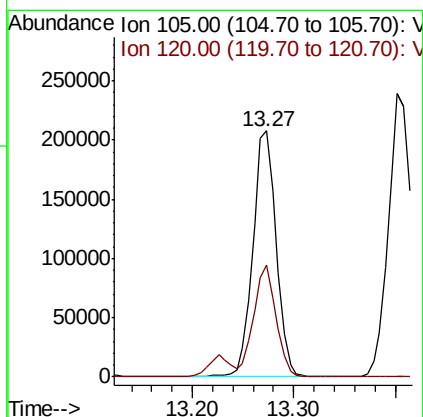
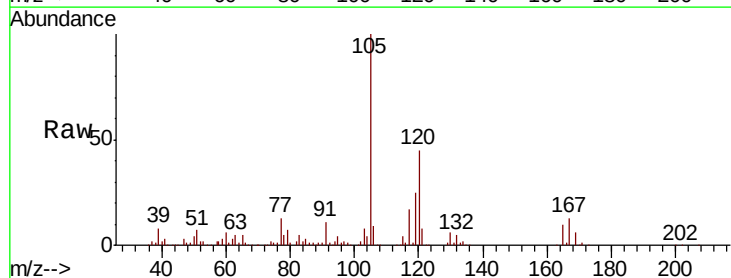
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

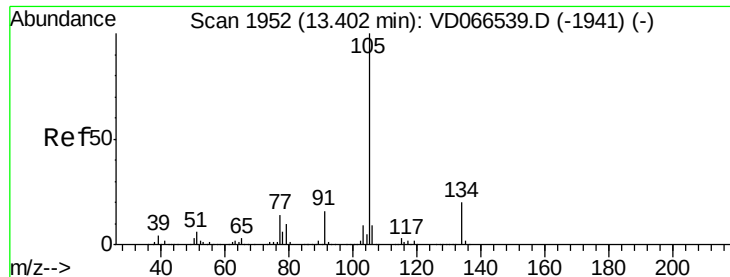
Tot Ion:119 Resp: 258392
 Ion Ratio Lower Upper
 119 100
 91 69.3 35.2 105.6
 134 26.8 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.476 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion:105 Resp: 331624
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.6 67.7





#85

sec-Butylbenzene

Concen: 22.631 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

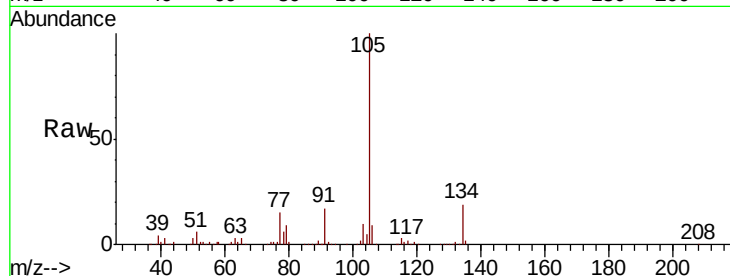
VSTDIC020

Tot Ion:105 Resp: 377322

Ion Ratio Lower Upper

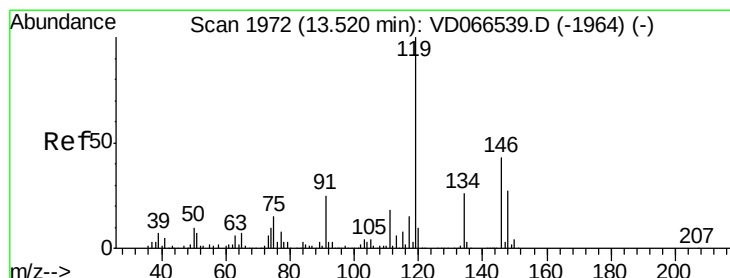
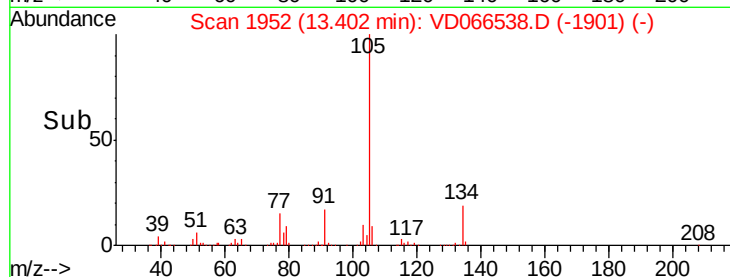
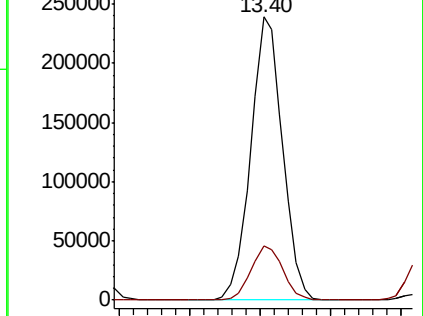
105 100

134 19.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.896 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

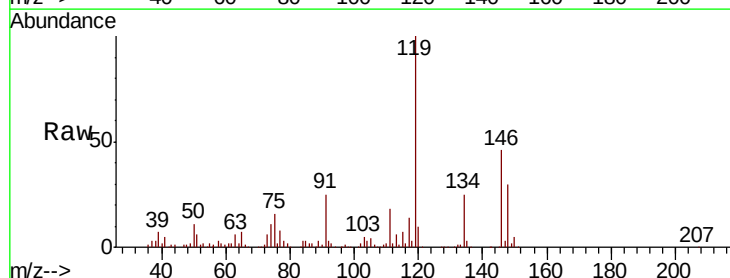
Tgt Ion:119 Resp: 342187

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

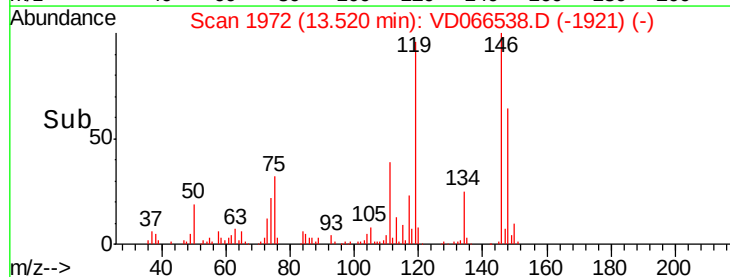
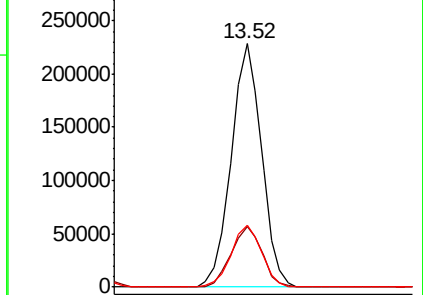
91 25.3 12.5 37.5

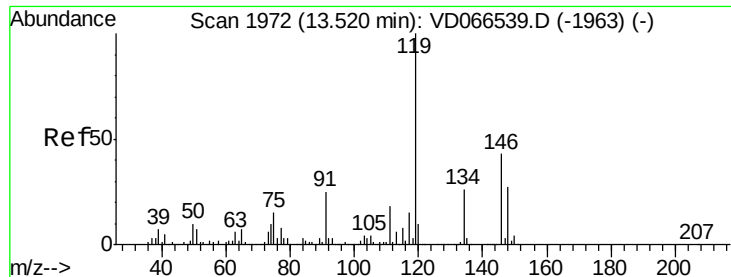


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

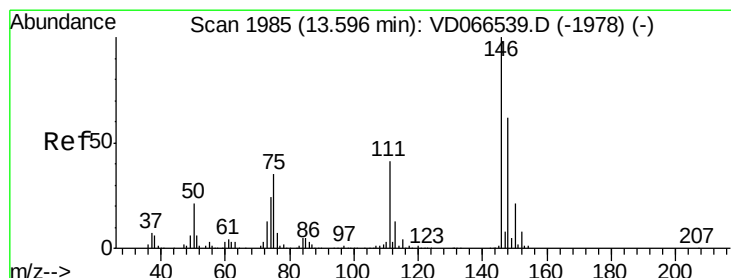
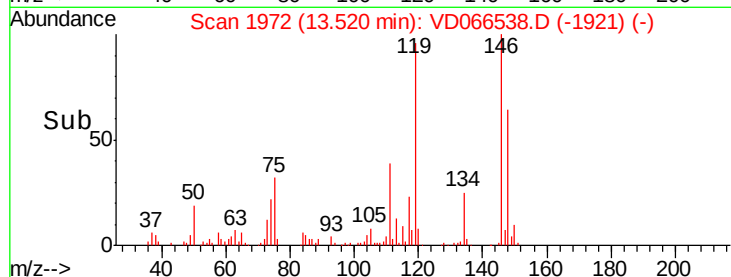
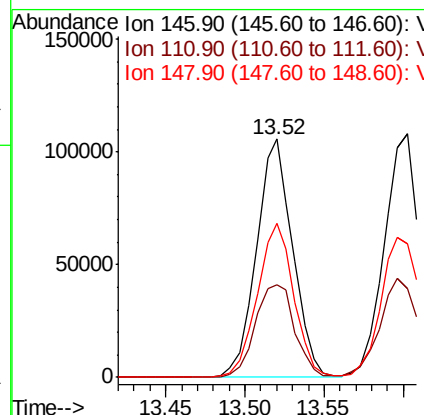
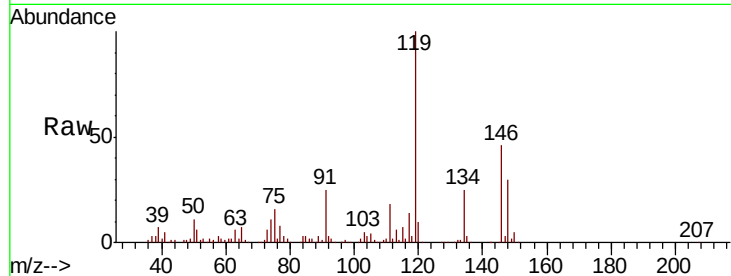




#87
 1,3-Dichlorobenzene
 Concen: 21.110 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

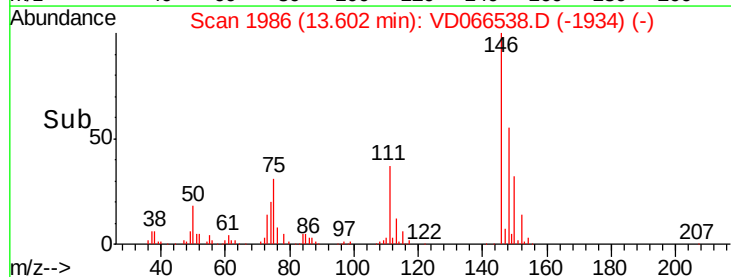
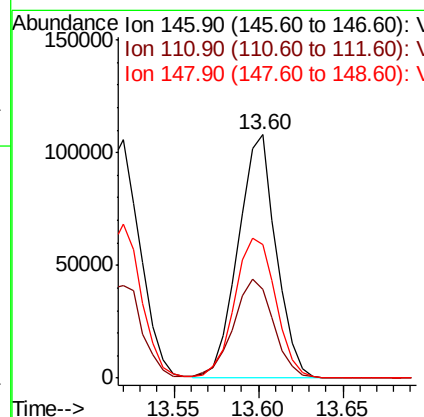
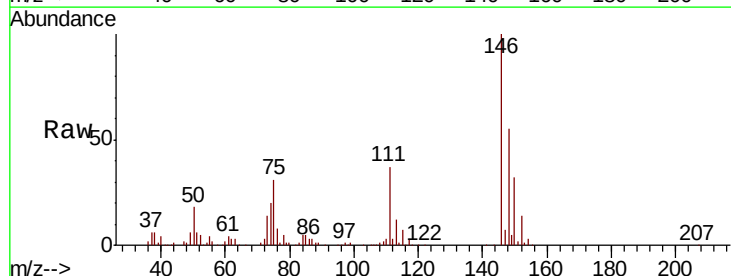
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

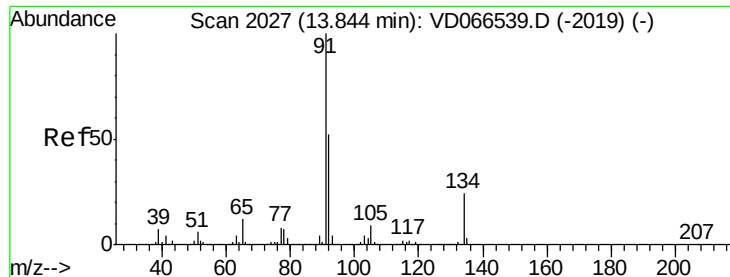
Tot Ion:146 Resp: 167468
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.6 61.9
 148 65.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 21.182 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion:146 Resp: 169224
 Ion Ratio Lower Upper
 146 100
 111 43.2 20.1 60.2
 148 62.6 31.6 94.8

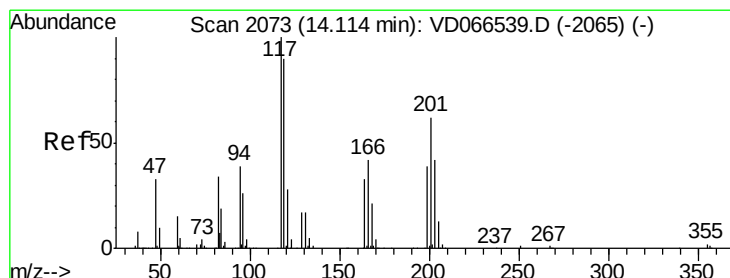
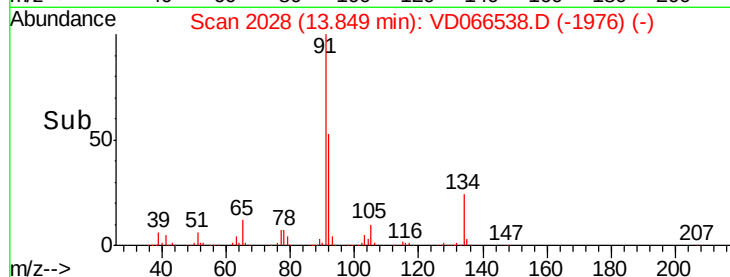
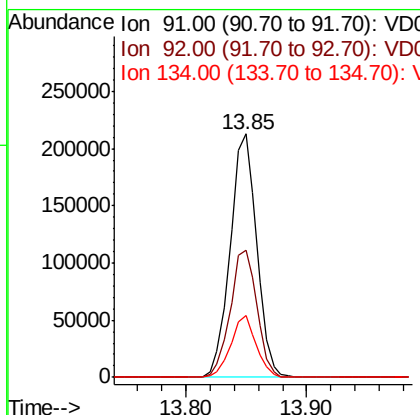
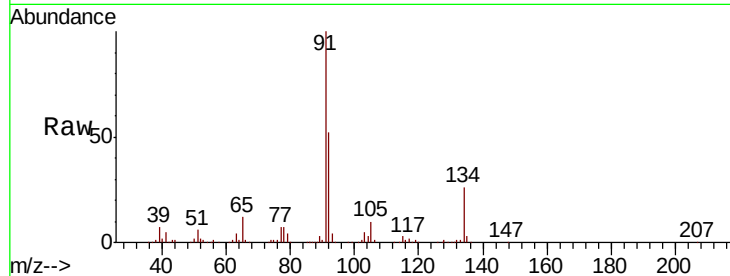




#89
n-Butylbenzene
Concen: 23.145 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

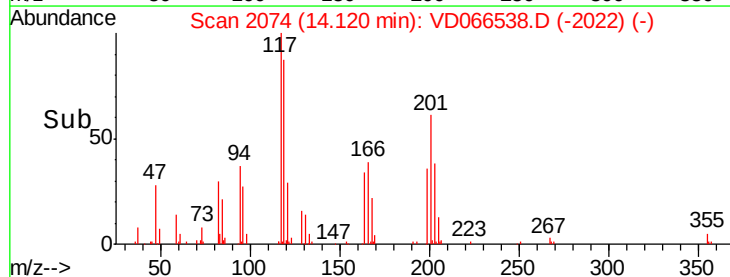
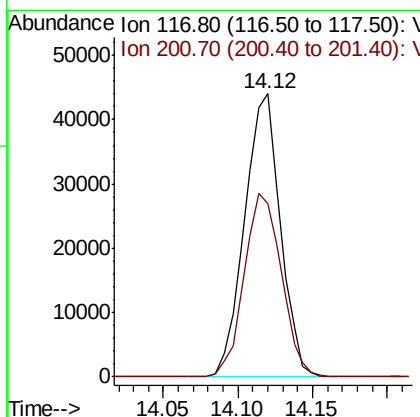
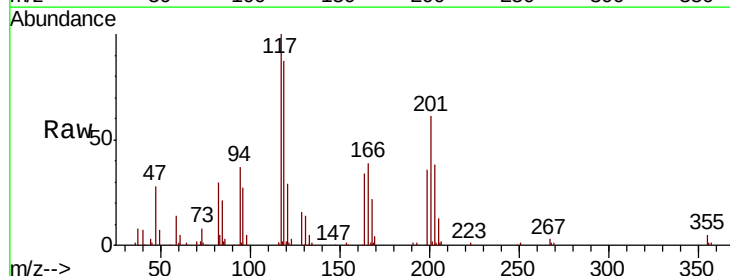
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

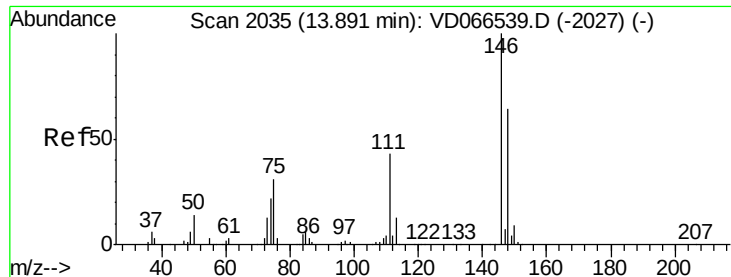
Tot Ion: 91 Resp: 325335
Ion Ratio Lower Upper
91 100
92 52.4 26.5 79.5
134 24.3 12.1 36.3



#90
Hexachloroethane
Concen: 24.147 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066538.D
Acq: 03 Sep 2020 15:29

Tgt Ion: 117 Resp: 73050
Ion Ratio Lower Upper
117 100
201 67.2 31.9 95.5

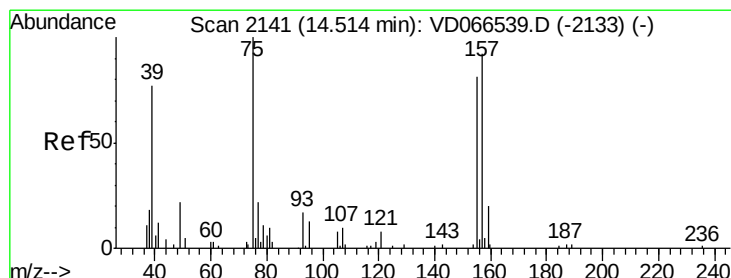
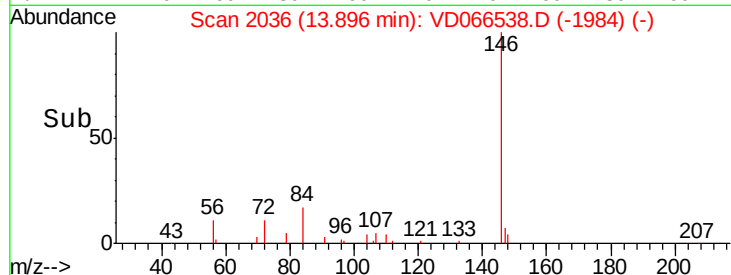
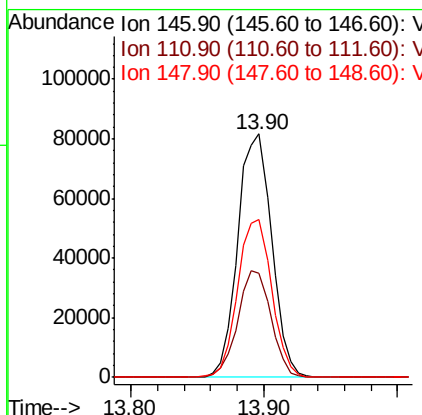
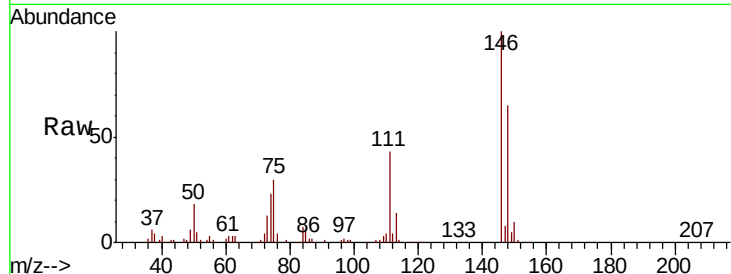




#91
 1,2-Dichlorobenzene
 Concen: 20.900 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

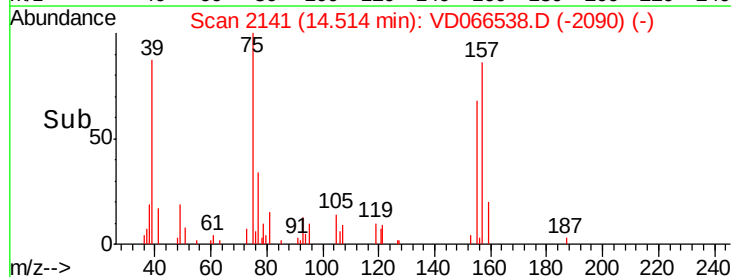
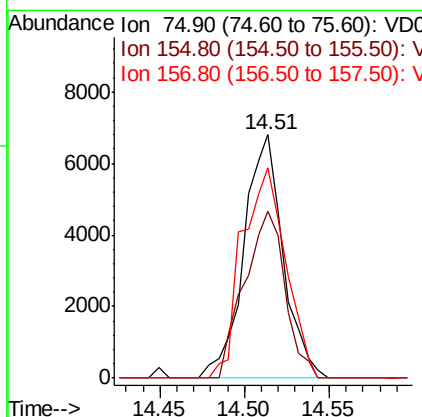
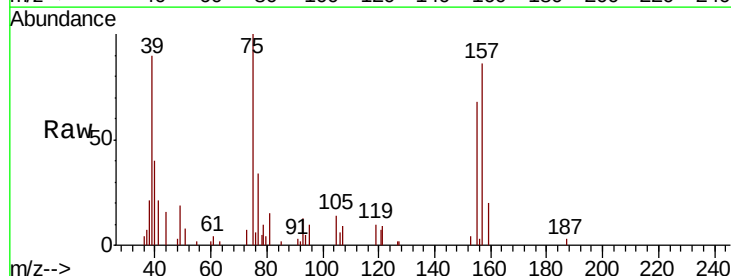
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

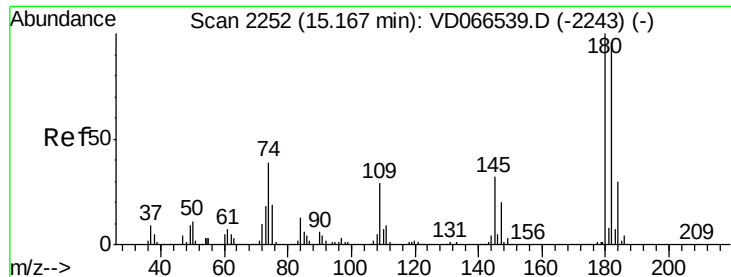
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	65.0	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.894 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	39.3	117.8
157	95.6	46.0	137.8

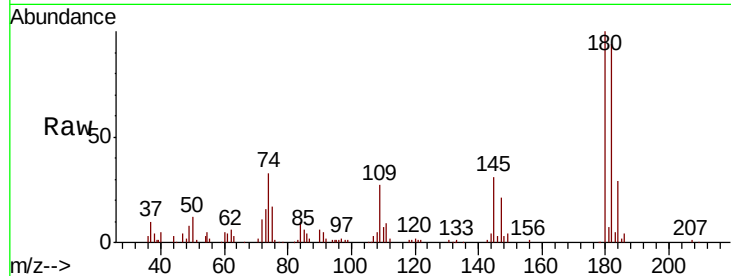




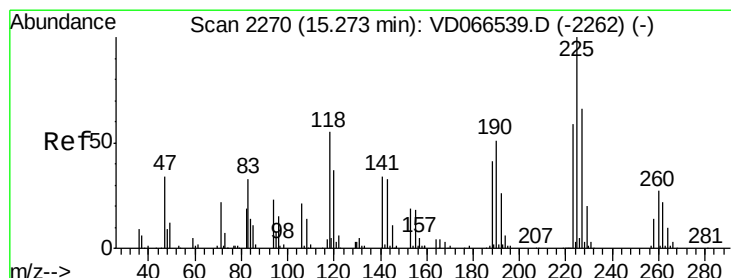
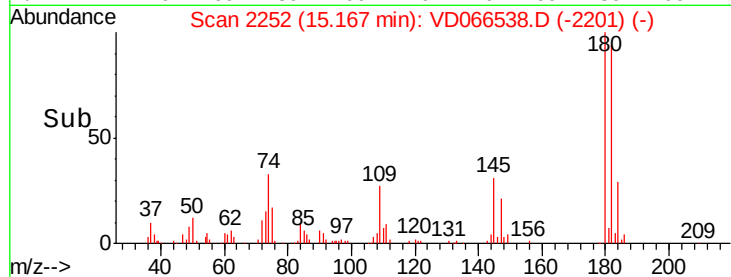
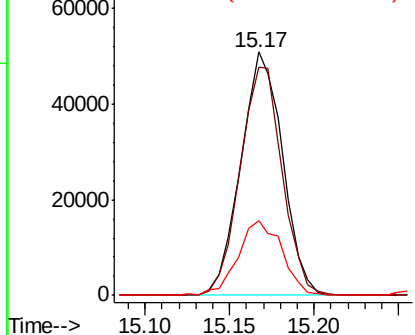
#93
 1,2,4-Trichlorobenzene
 Concen: 16.760 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.4	145.0
145	32.1	16.7	50.0

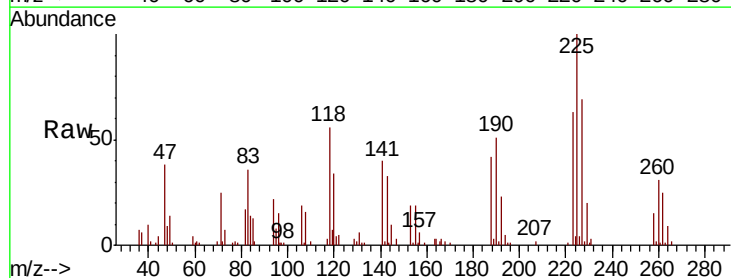


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

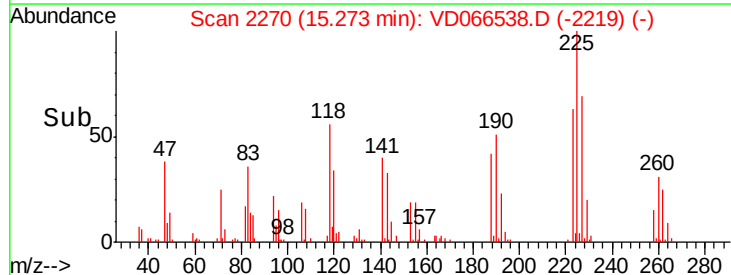
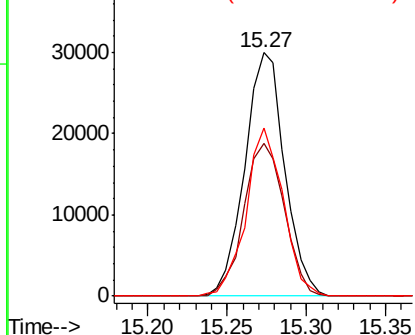


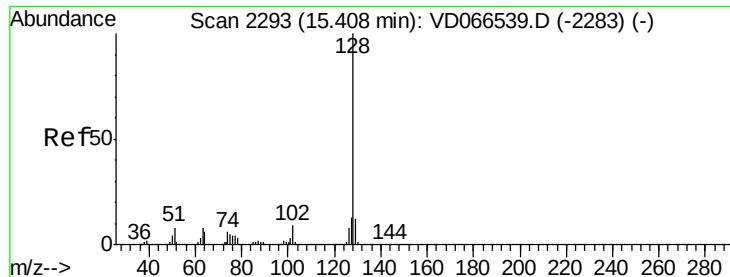
#94
 Hexachlorobutadiene
 Concen: 15.621 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066538.D
 Acq: 03 Sep 2020 15:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.5	91.5
227	64.4	32.4	97.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.158 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

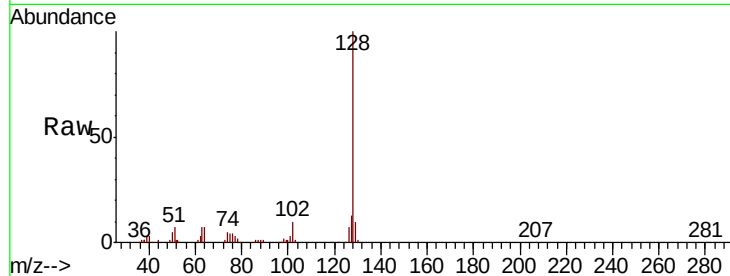
Tot Ion:128 Resp: 142881

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

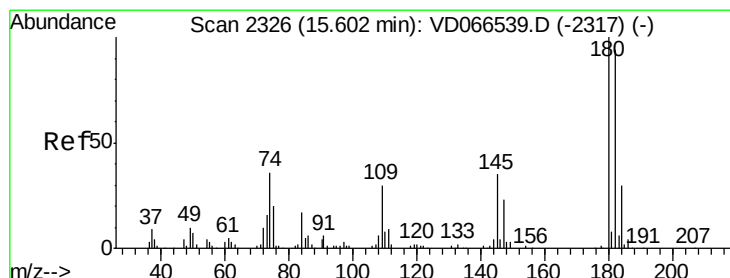
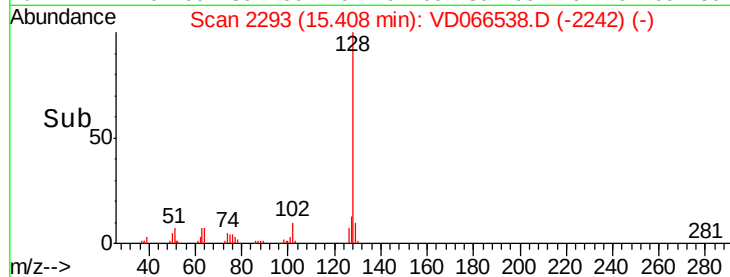
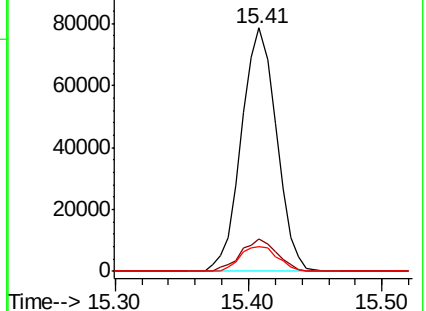
129 11.0 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.474 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066538.D

Acq: 03 Sep 2020 15:29

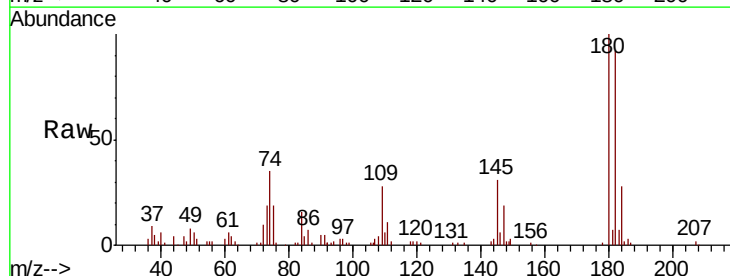
Tgt Ion:180 Resp: 74531

Ion Ratio Lower Upper

180 100

182 93.0 47.9 143.6

145 34.3 17.3 51.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

