

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066472.D
 Acq On : 28 Aug 2020 20:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 29 00:48:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	162057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	234909	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	221090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	116535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	92108	57.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.94%	
35) Dibromofluoromethane	7.91	113	75253	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.34	98	274214	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.63	95	98257	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58657	42.575	ug/l	97
3) Chloromethane	2.20	50	42259	43.272	ug/l	95
4) Vinyl Chloride	2.34	62	48618	46.368	ug/l	95
5) Bromomethane	2.75	94	40936	52.196	ug/l	93
6) Chloroethane	2.92	64	32784	48.829	ug/l	94
7) Trichlorofluoromethane	3.27	101	139779	49.024	ug/l	99
8) Diethyl Ether	3.70	74	31882	49.906	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	61067	43.399	ug/l	97
10) Methyl Iodide	4.29	142	72745	45.328	ug/l	94
11) Tert butyl alcohol	5.21	59	23258	256.517	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	58687	44.432	ug/l	90
13) Acrolein	3.92	56	15334	217.341	ug/l	97
14) Allyl chloride	4.71	41	77668	44.056	ug/l	87
15) Acrylonitrile	5.41	53	67403	262.969	ug/l	97
16) Acetone	4.16	43	61420	214.429	ug/l	93
17) Carbon Disulfide	4.40	76	170365	42.561	ug/l	96
18) Methyl Acetate	4.71	43	27408	50.983	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	180018	56.602	ug/l	99
20) Methylene Chloride	4.96	84	77007	50.355	ug/l #	92
21) trans-1,2-Dichloroethene	5.46	96	72410	47.096	ug/l	96
22) Diisopropyl ether	6.36	45	159782	46.812	ug/l #	92
23) Vinyl Acetate	6.30	43	509930	241.324	ug/l	97
24) 1,1-Dichloroethane	6.26	63	117935	48.893	ug/l	97
25) 2-Butanone	7.21	43	77750	239.102	ug/l	97
26) 2,2-Dichloropropane	7.20	77	121585	47.030	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	83761	50.843	ug/l	97
28) Bromochloromethane	7.54	49	43500	52.355	ug/l #	90
29) Tetrahydrofuran	7.56	42	44078	238.653	ug/l	90
30) Chloroform	7.71	83	148940	53.368	ug/l	98
31) Cyclohexane	7.98	56	83550	37.873	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	149121	52.208	ug/l	99
36) 1,1-Dichloropropene	8.10	75	95358	44.489	ug/l	98
37) Ethyl Acetate	7.28	43	36809	50.492	ug/l #	88
38) Carbon Tetrachloride	8.09	117	144320	51.681	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	110561	43.789	ug/l	94
40) Benzene	8.34	78	276146	48.974	ug/l	99
41) Methacrylonitrile	7.56	41	52508	116.799	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	112659	56.729	ug/l	99
43) Isopropyl Acetate	8.44	43	74201	50.711	ug/l	99
44) Trichloroethene	9.11	130	90181	49.220	ug/l	97
45) 1,2-Dichloropropane	9.38	63	58956	46.121	ug/l	91
46) Dibromomethane	9.47	93	41900	52.645	ug/l	99
47) Bromodichloromethane	9.66	83	119886	54.773	ug/l	99
48) Methyl methacrylate	9.45	41	37694	49.957	ug/l #	89
49) 1,4-Dioxane	9.46	88	9645	1043.648	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	180275	254.682	ug/l	100
52) Toluene	10.40	92	192173	50.305	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	108470	52.228	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	116978	50.179	ug/l #	88
55) 1,1,2-Trichloroethane	10.80	97	54982	51.029	ug/l	93
56) Ethyl methacrylate	10.66	69	66832	53.582	ug/l #	90
57) 1,3-Dichloropropane	10.94	76	89156	50.025	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	138382	267.129	ug/l	92
59) 2-Hexanone	10.98	43	125813	251.985	ug/l	98
60) Dibromochloromethane	11.14	129	84945	52.303	ug/l	99
61) 1,2-Dibromoethane	11.24	107	54615	51.507	ug/l	96
64) Tetrachloroethene	10.87	164	84840	50.585	ug/l	94
65) Chlorobenzene	11.67	112	217149	49.368	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	92763	51.605	ug/l	98
67) Ethyl Benzene	11.74	91	376044	48.568	ug/l	97
68) m/p-Xylenes	11.85	106	287712	97.492	ug/l	96
69) o-Xylene	12.18	106	137848	50.210	ug/l	99
70) Styrene	12.20	104	237118	50.300	ug/l	97
71) Bromoform	12.36	173	54404	53.346	ug/l #	96
73) Isopropylbenzene	12.48	105	377181	48.316	ug/l	99
74) N-amyl acetate	12.29	43	67141	47.619	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	52321	46.916	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	78129	95.299	ug/l #	1
77) Bromobenzene	12.76	156	100079	50.509	ug/l	98
78) n-propylbenzene	12.82	91	417711	46.666	ug/l	99
79) 2-Chlorotoluene	12.91	91	249300	48.765	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	332793	49.373	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17070	44.197	ug/l #	81
82) 4-Chlorotoluene	13.01	91	260728	48.137	ug/l	97
83) tert-Butylbenzene	13.23	119	285338	48.738	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	335838	50.728	ug/l	97
85) sec-Butylbenzene	13.40	105	358824	46.779	ug/l	99
86) p-Isopropyltoluene	13.52	119	356904	48.254	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	180964	48.927	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	179182	48.249	ug/l	100
89) n-Butylbenzene	13.84	91	294580	45.133	ug/l	98
90) Hexachloroethane	14.11	117	68367	46.792	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	161358	50.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13180	56.350	ug/l	82

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QLast Update : Fri Aug 21 13:36:12 2020
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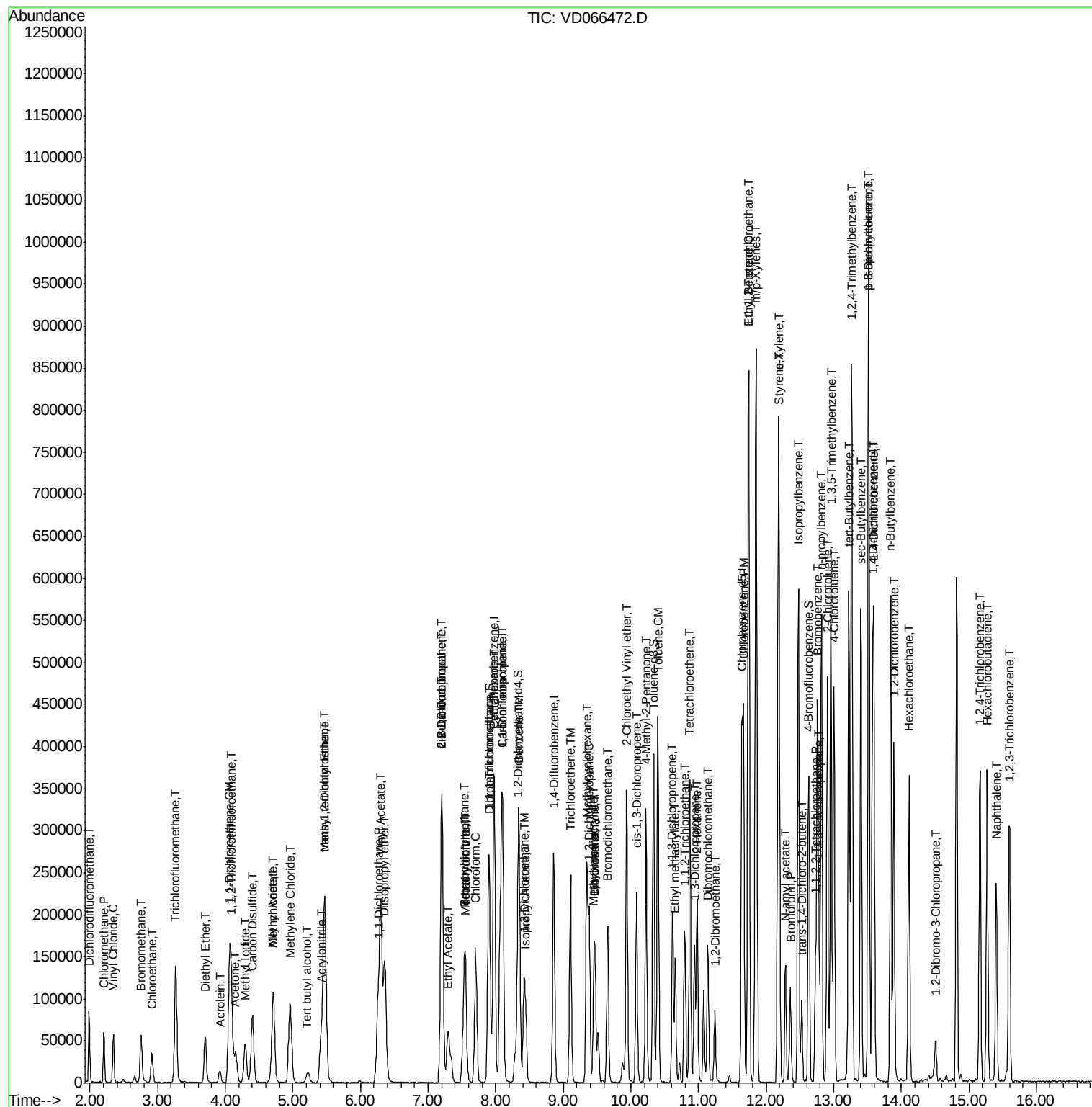
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123800	49.804	ug/l	98
94) Hexachlorobutadiene	15.27	225	73945	47.869	ug/l	99
95) Naphthalene	15.40	128	212767	54.497	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	111215	52.229	ug/l	98

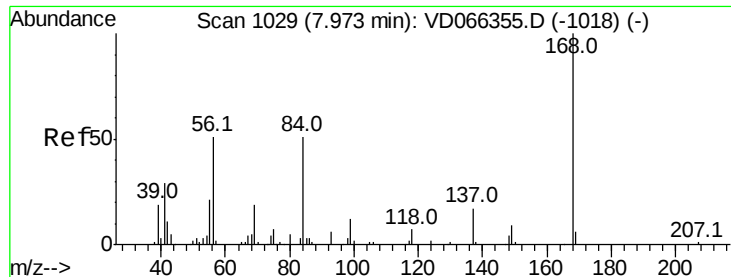
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082820\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

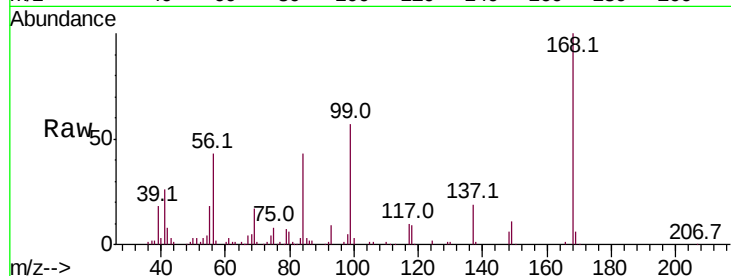
VSTDCCC050EC

Tot Ion:168 Resp: 162057

Ion Ratio Lower Upper

168 100

99 56.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

80000

60000

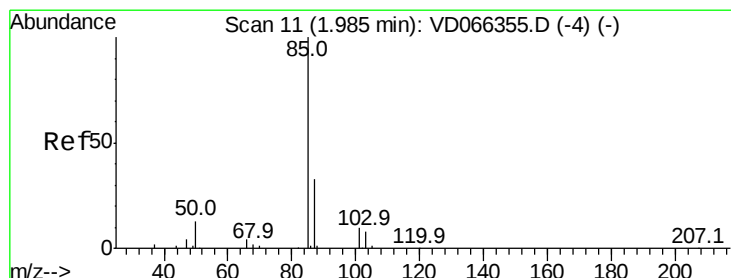
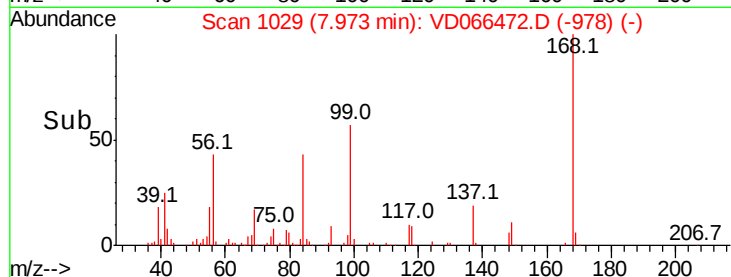
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.575 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066472.D

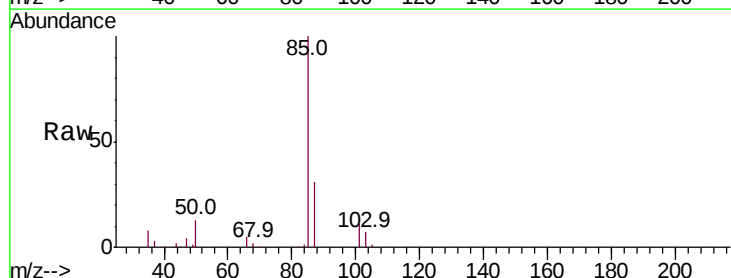
Acq: 28 Aug 2020 20:53

Tgt Ion: 85 Resp: 58657

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

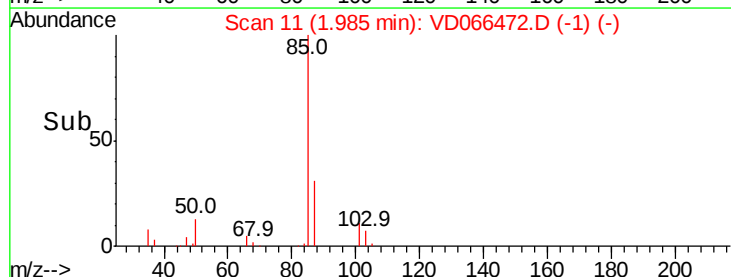
20000

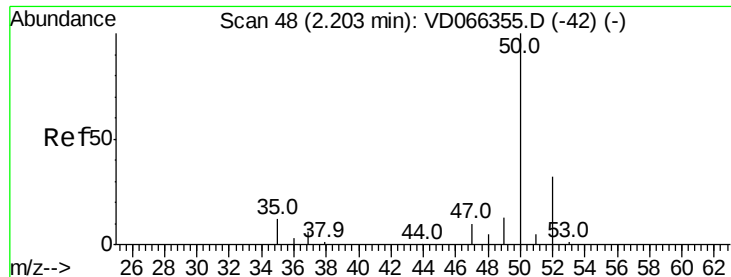
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 43.272 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

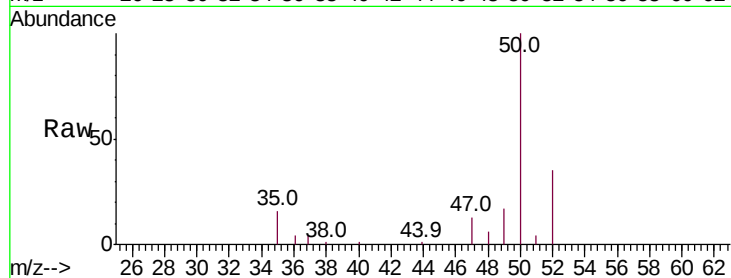
VSTDCCC050EC

Tot Ion: 50 Resp: 42259

Ion Ratio Lower Upper

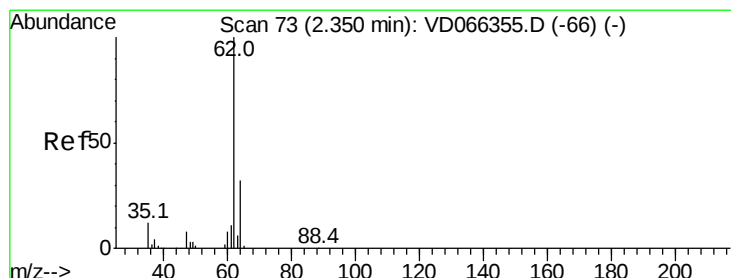
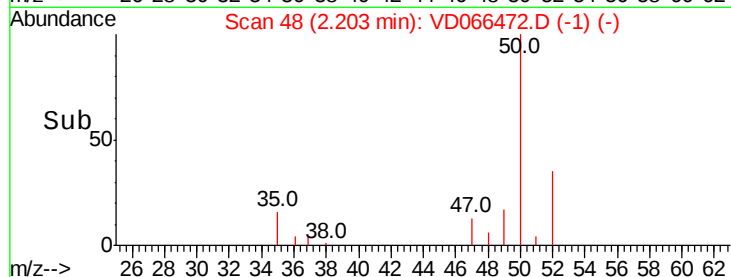
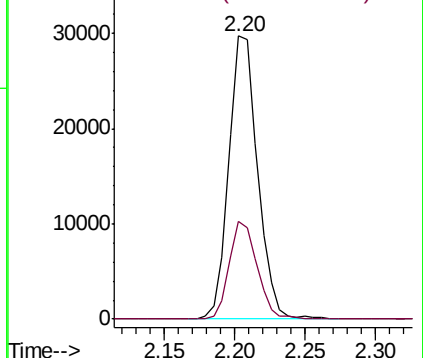
50 100

52 34.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.368 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066472.D

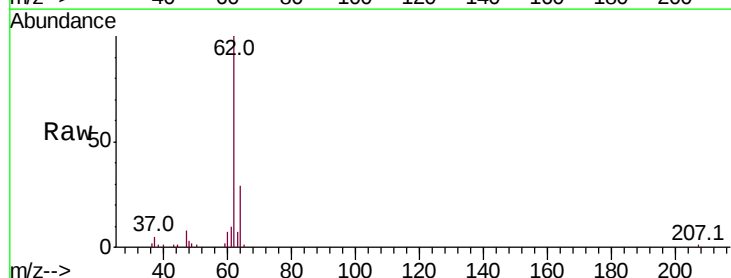
Acq: 28 Aug 2020 20:53

Tgt Ion: 62 Resp: 48618

Ion Ratio Lower Upper

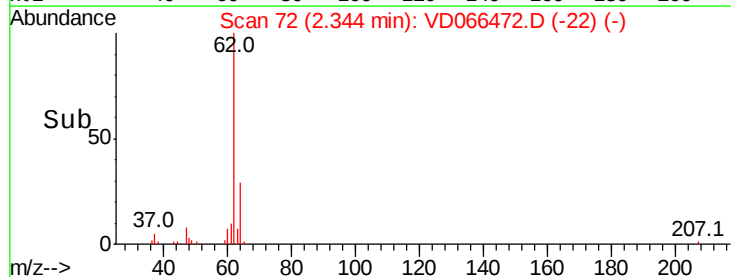
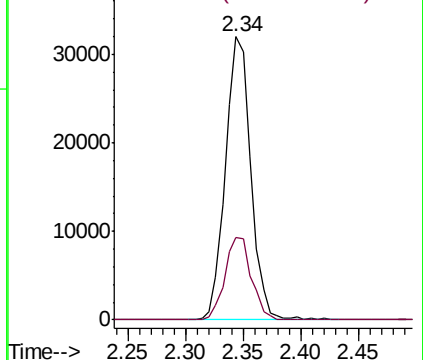
62 100

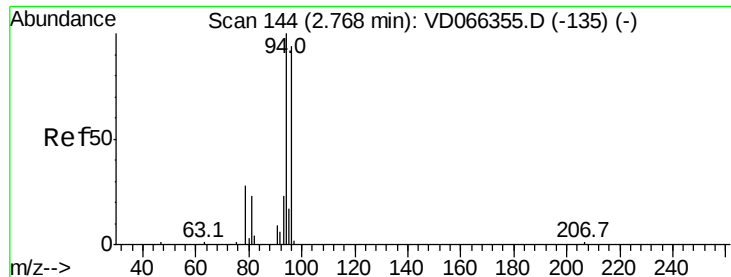
64 29.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.196 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

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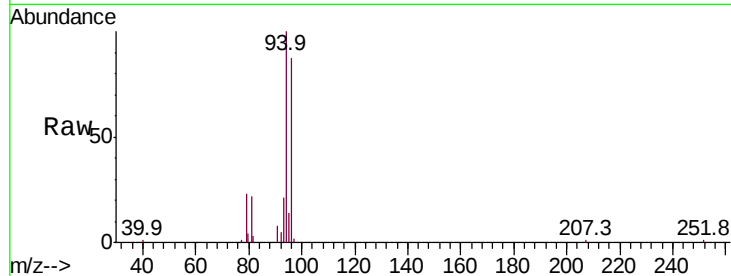
VSTDCCC050EC

Tot Ion: 94 Resp: 40936

Ion Ratio Lower Upper

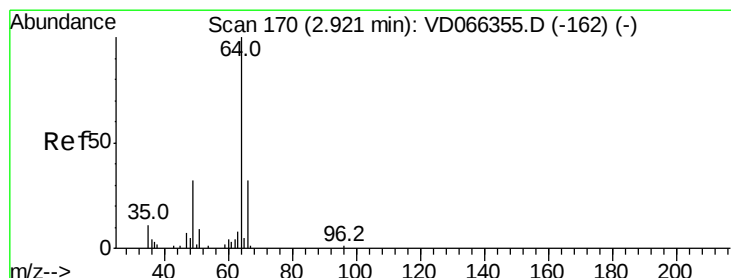
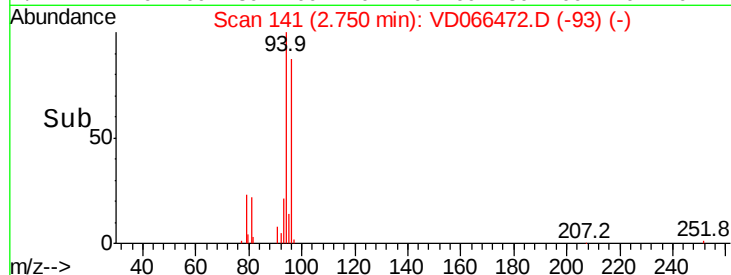
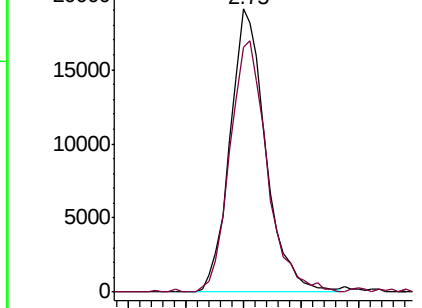
94 100

96 86.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.829 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066472.D

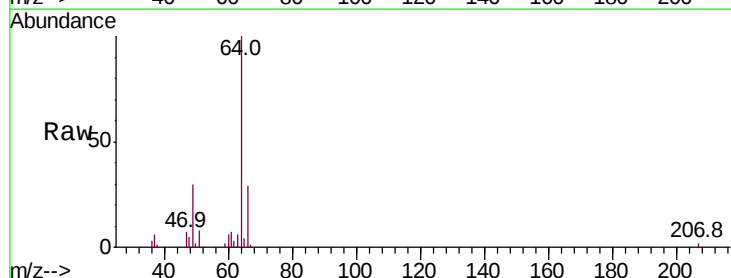
Acq: 28 Aug 2020 20:53

Tgt Ion: 64 Resp: 32784

Ion Ratio Lower Upper

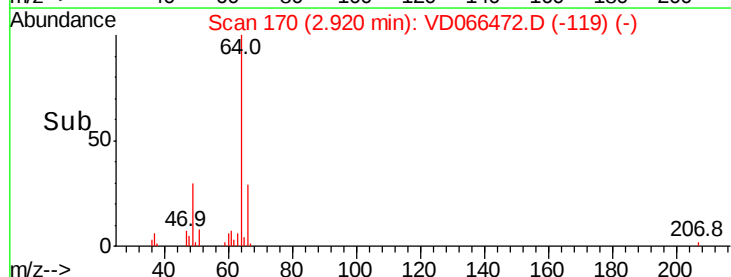
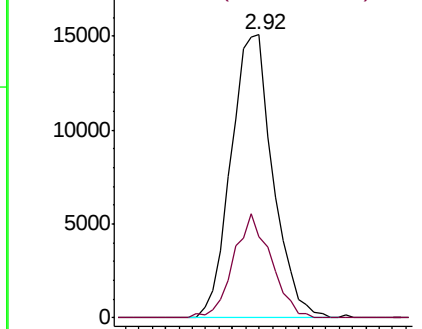
64 100

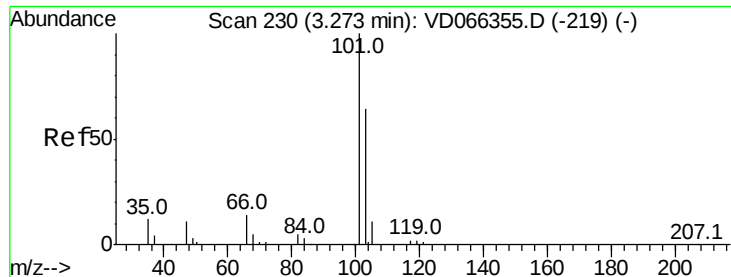
66 28.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



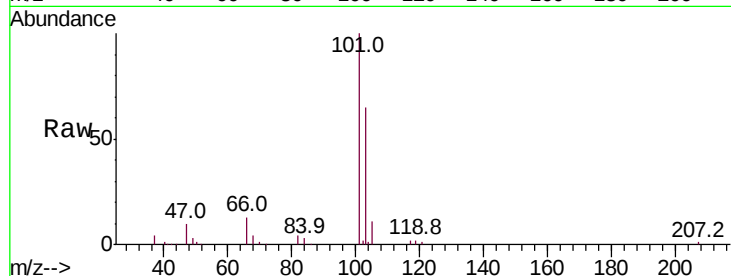


#7

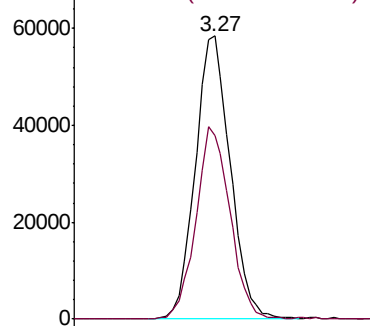
Trichlorofluoromethane
 Concen: 49.024 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

Instrument :
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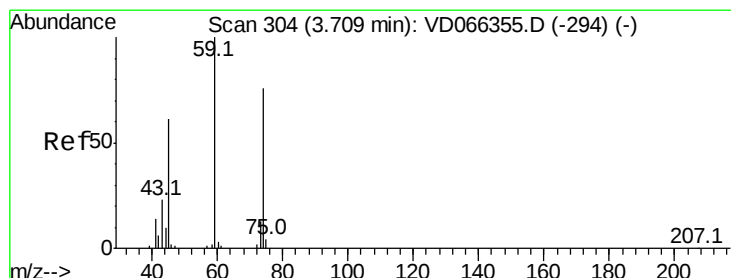
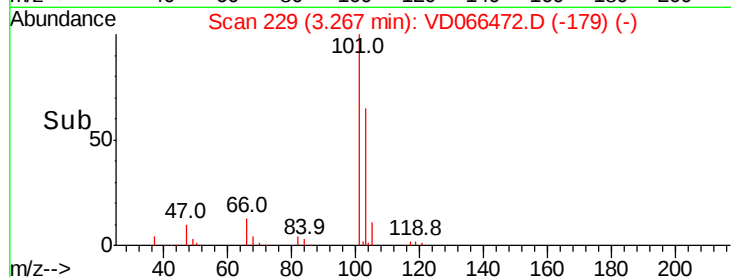
Tot Ion:101 Resp: 139779
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.4 77.0



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



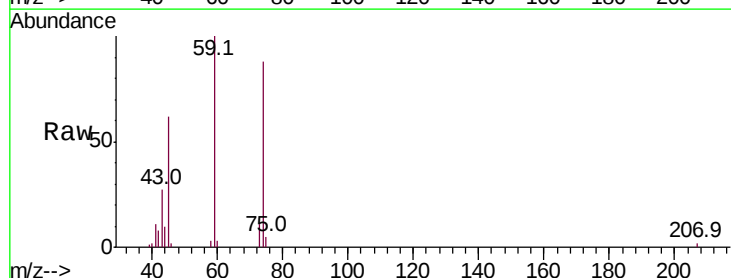
Time-->



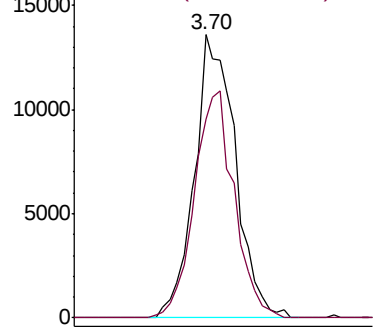
#8

Diethyl Ether
 Concen: 49.906 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. -0.01 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

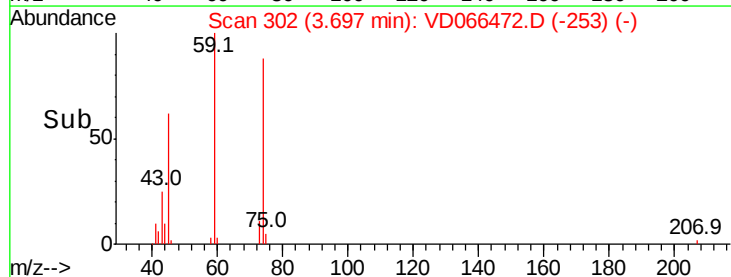
Tgt Ion: 74 Resp: 31882
 Ion Ratio Lower Upper
 74 100
 45 78.3 42.8 128.3

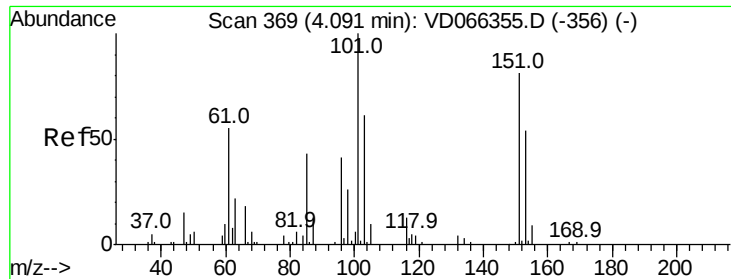


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.399 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

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ClientSampleId :

VSTDCCC050EC

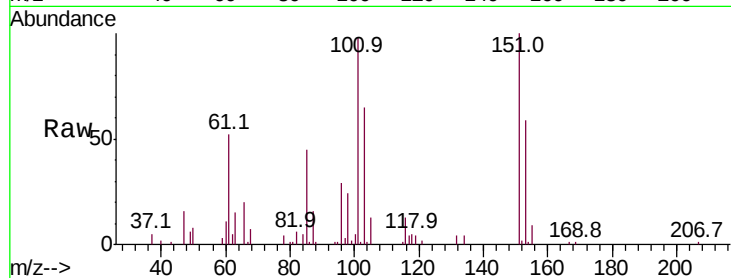
Tot Ion:101 Resp: 61067

Ion Ratio Lower Upper

101 100

85 45.8 36.4 54.6

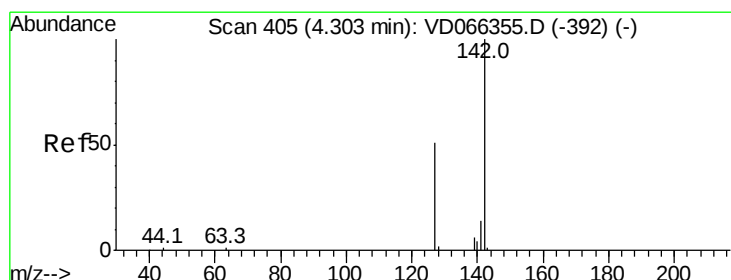
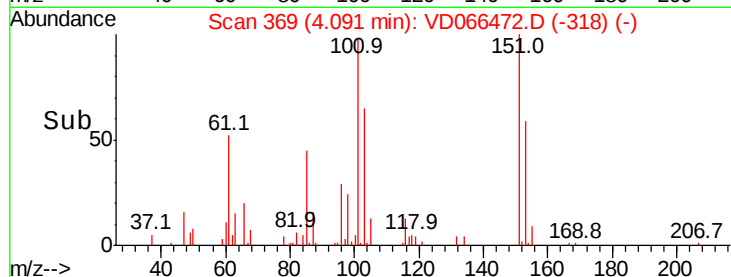
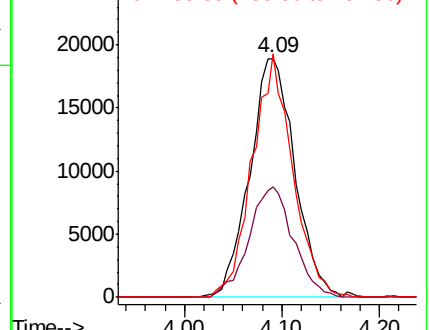
151 91.6 70.5 105.7



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: 45.328 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

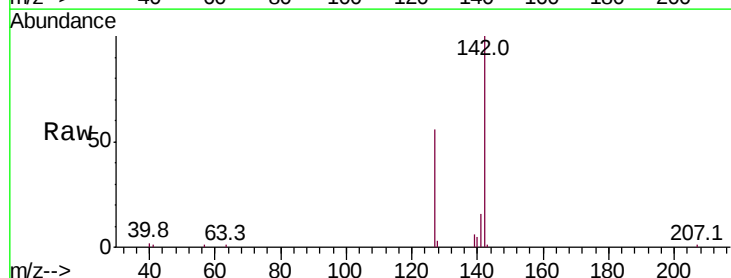
Tgt Ion:142 Resp: 72745

Ion Ratio Lower Upper

142 100

127 56.9 41.8 62.8

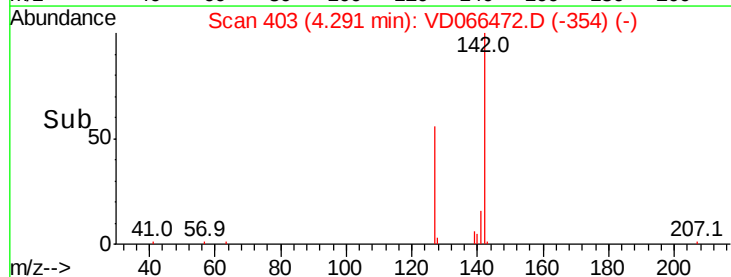
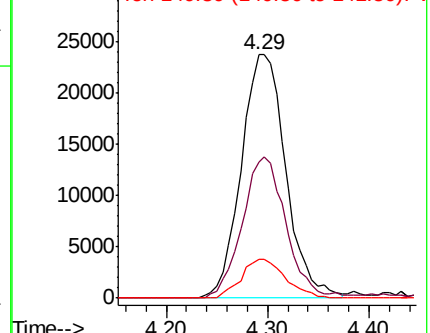
141 15.8 11.8 17.6

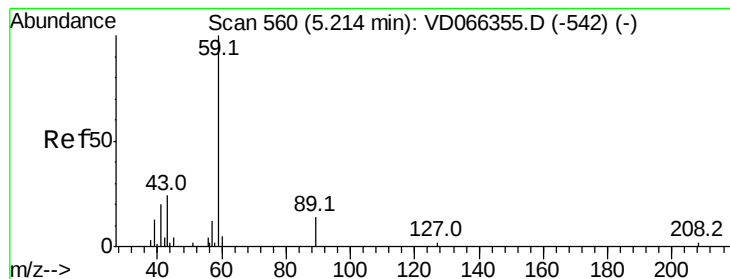


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 256.517 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

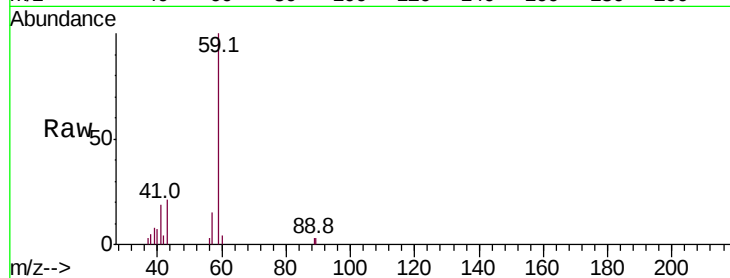
VSTDCCC050EC

Tot Ion: 59 Resp: 23258

Ion Ratio Lower Upper

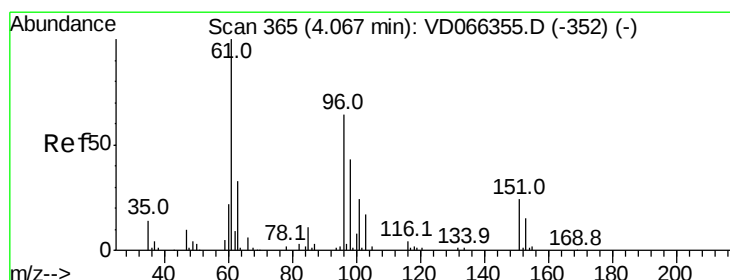
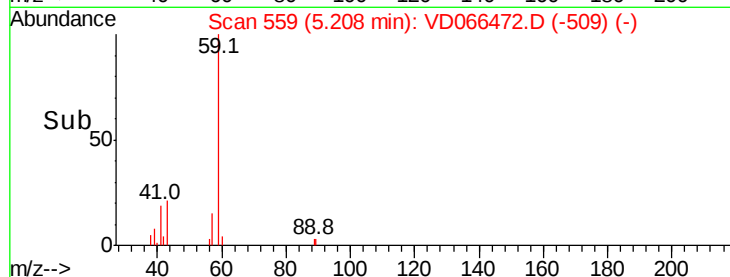
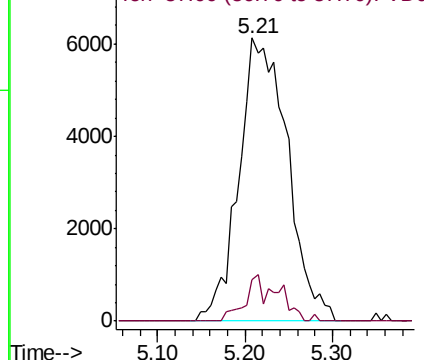
59 100

57 5.5 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 44.432 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

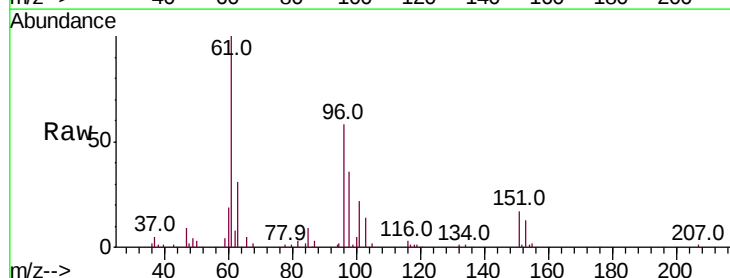
Tgt Ion: 96 Resp: 58687

Ion Ratio Lower Upper

96 100

61 172.2 124.3 186.5

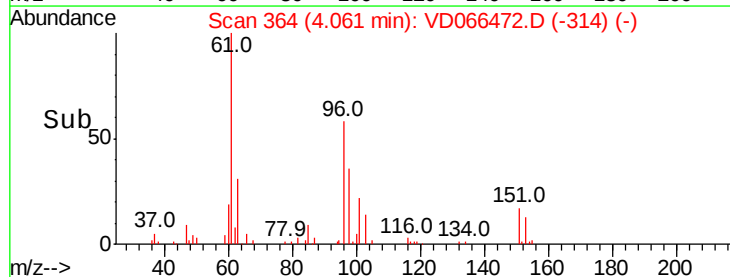
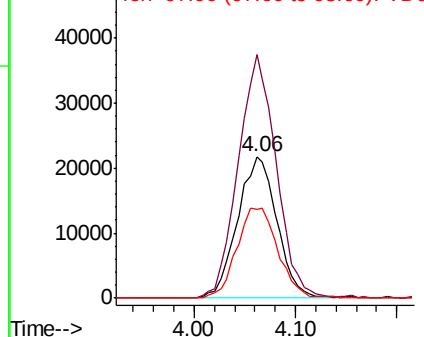
98 62.8 53.2 79.8

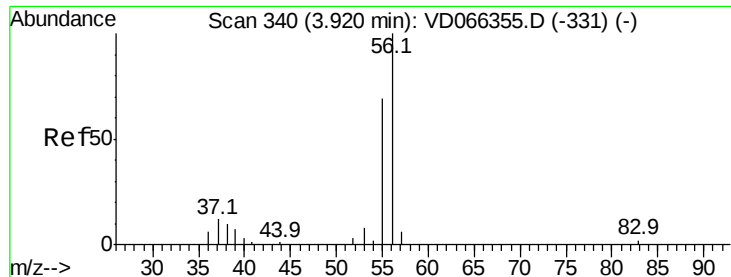


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 217.341 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

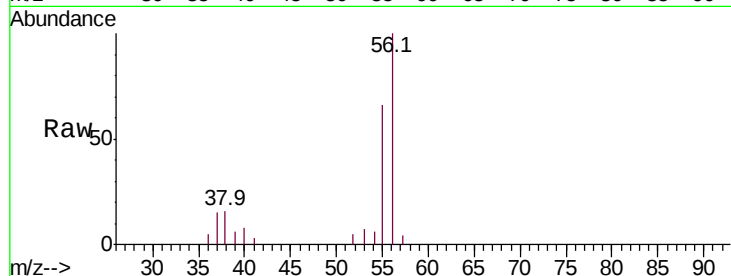
VSTDCCC050EC

Tot Ion: 56 Resp: 15334

Ion Ratio Lower Upper

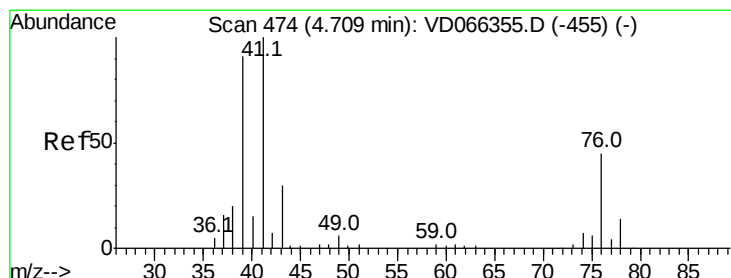
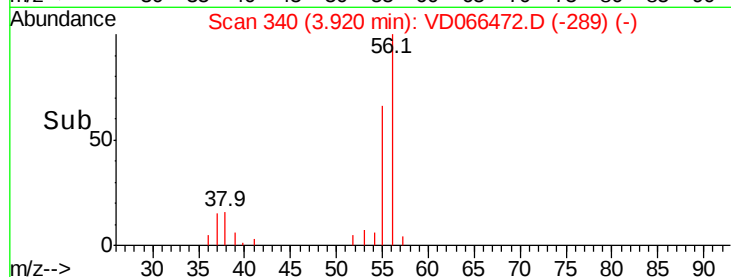
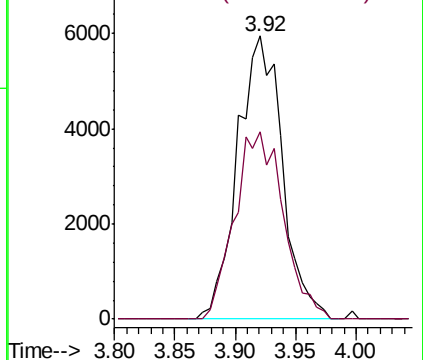
56 100

55 72.1 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.056 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

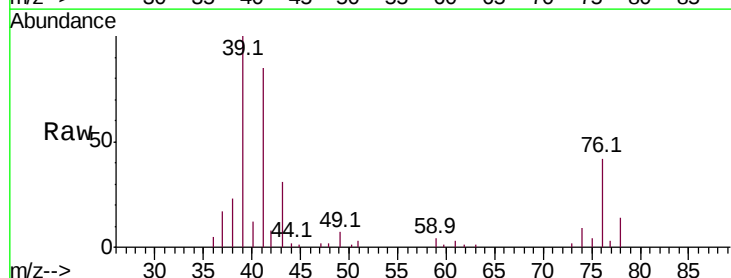
Tgt Ion: 41 Resp: 77668

Ion Ratio Lower Upper

41 100

39 106.4 72.8 109.2

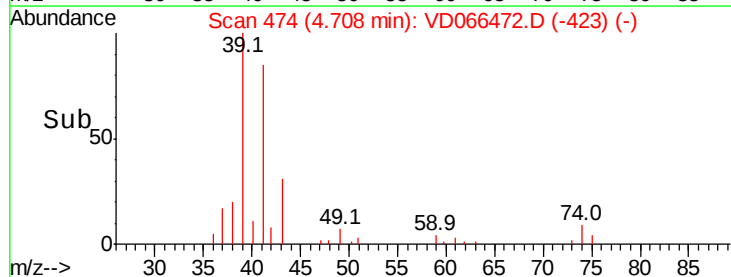
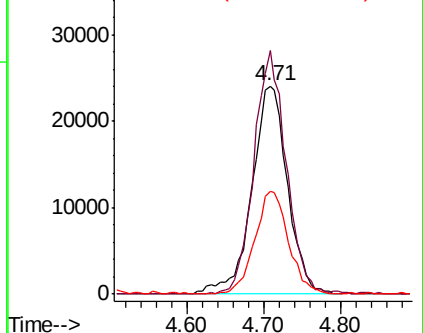
76 46.7 34.0 51.0

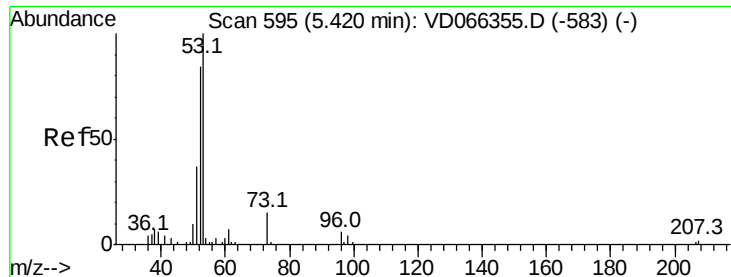


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 262.969 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

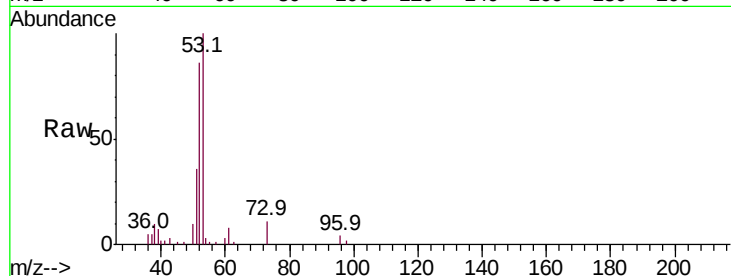
Tot Ion: 53 Resp: 67403

Ion Ratio Lower Upper

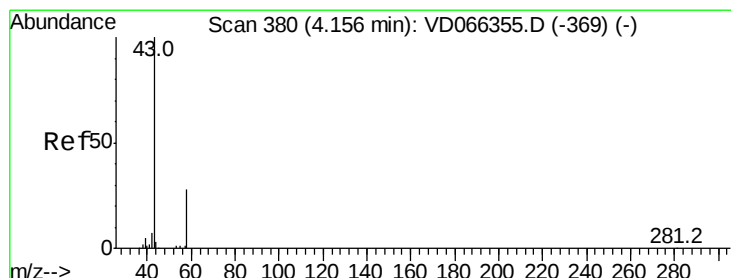
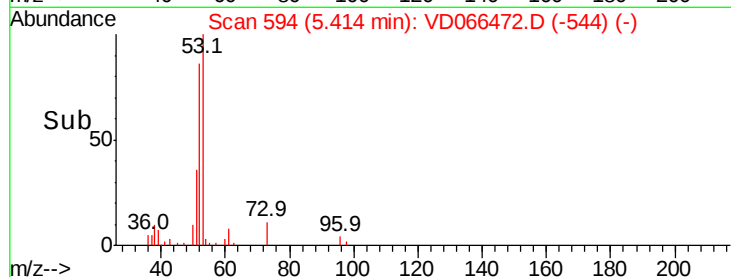
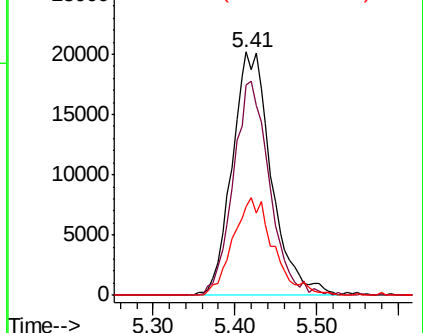
53 100

52 81.4 68.1 102.1

51 41.3 33.8 50.6



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



#16

Acetone

Concen: 214.429 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066472.D

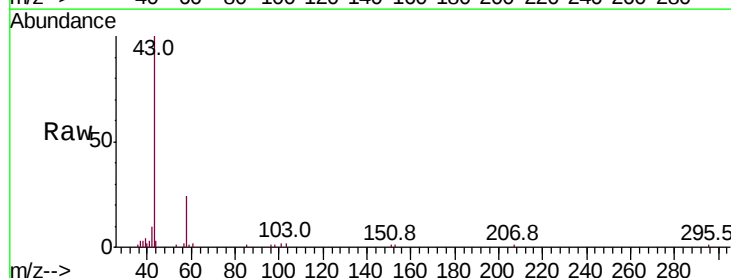
Acq: 28 Aug 2020 20:53

Tgt Ion: 43 Resp: 61420

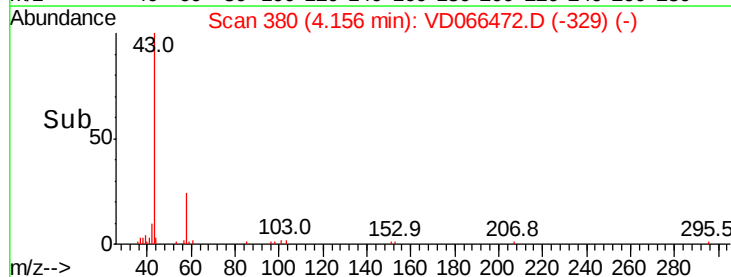
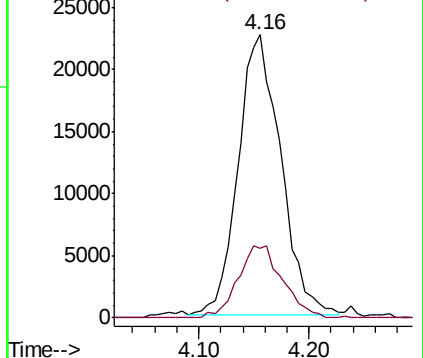
Ion Ratio Lower Upper

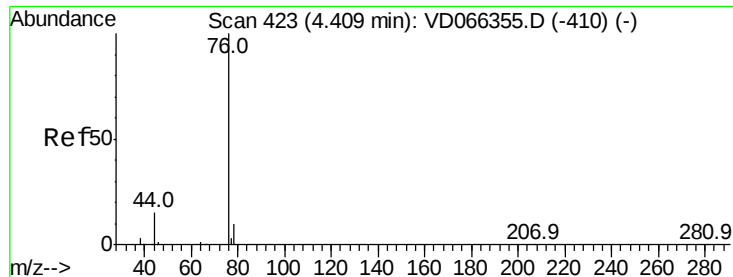
43 100

58 24.7 22.7 34.1



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

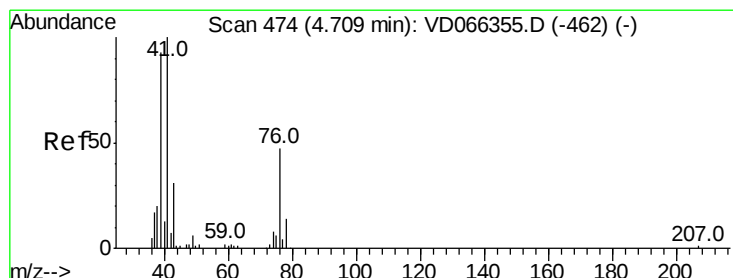
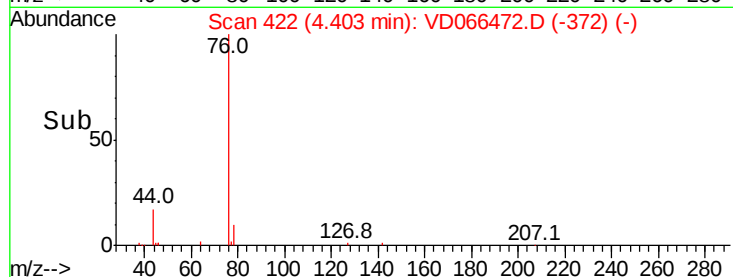
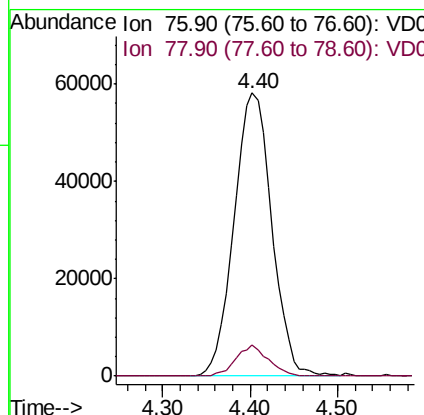
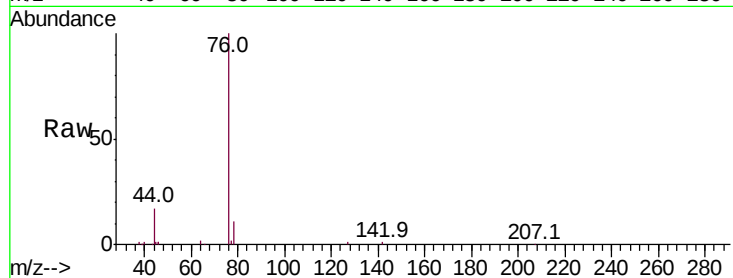




#17
Carbon Disulfide
Concen: 42.561 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

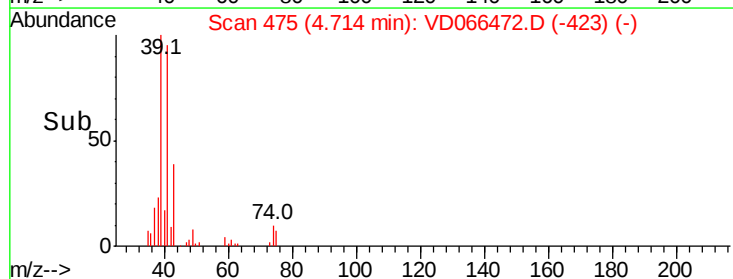
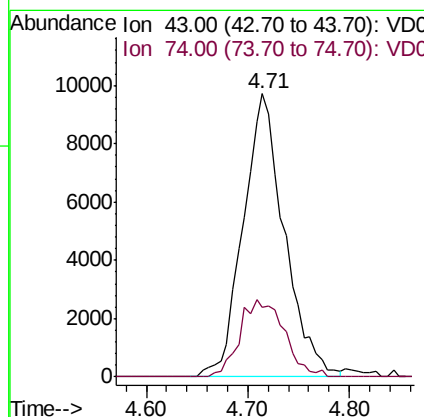
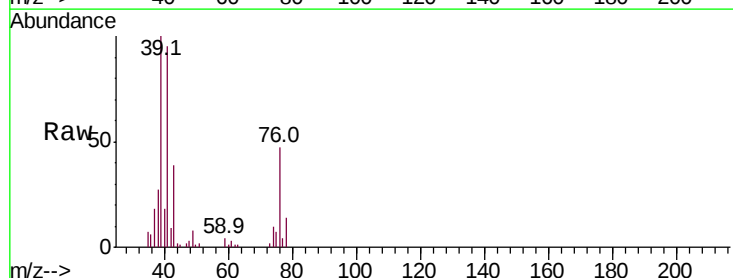
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

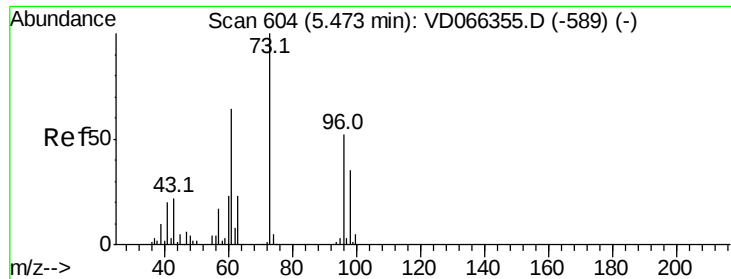
Tot Ion: 76 Resp: 170365
Ion Ratio Lower Upper
76 100
78 10.9 7.7 11.5



#18
Methyl Acetate
Concen: 50.983 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion: 43 Resp: 27408
Ion Ratio Lower Upper
43 100
74 29.3 21.0 31.6

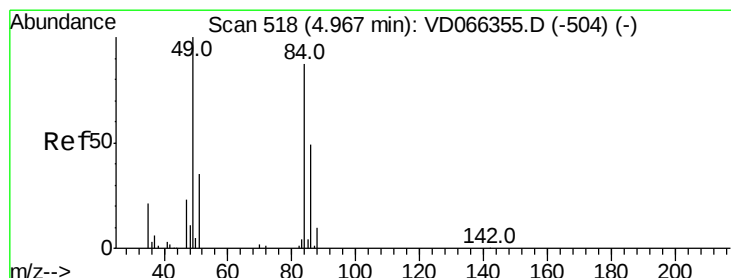
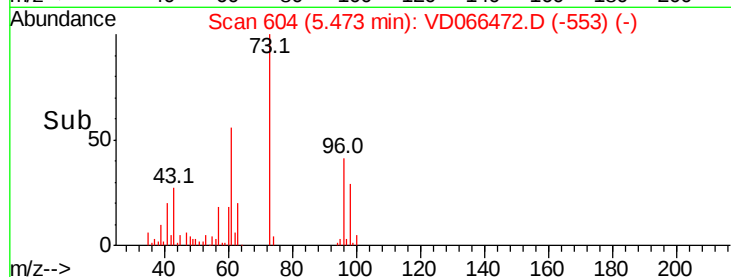
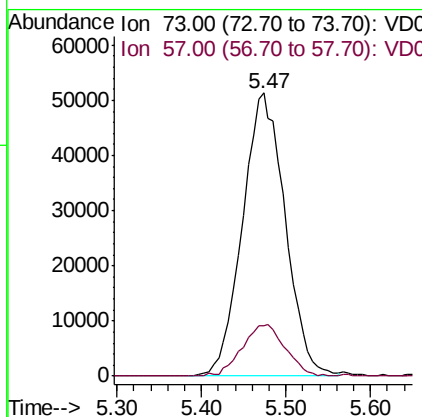
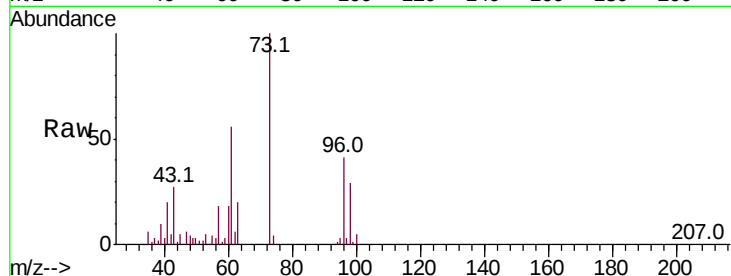




#19
Methyl tert-butyl Ether
Concen: 56.602 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

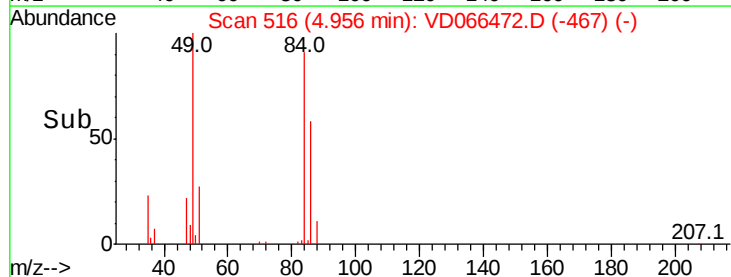
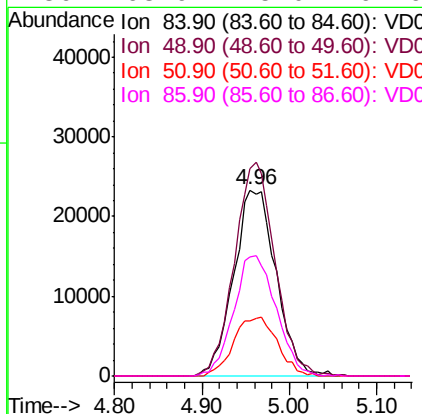
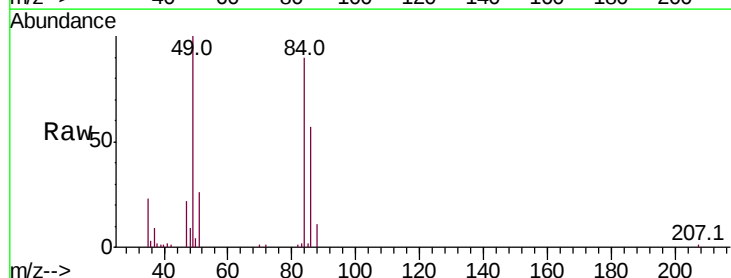
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

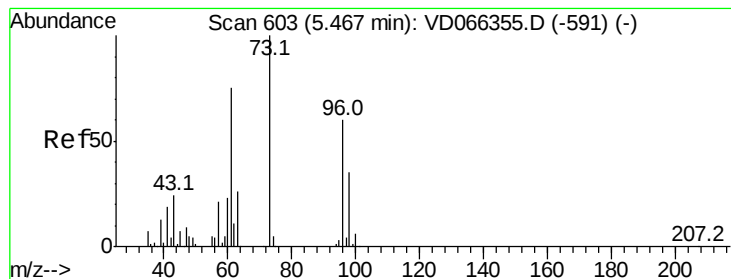
Tot Ion: 73 Resp: 180018
Ion Ratio Lower Upper
73 100
57 17.8 13.8 20.6



#20
Methylene Chloride
Concen: 50.355 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion: 84 Resp: 77007
Ion Ratio Lower Upper
84 100
49 111.4 92.5 138.7
51 29.5 32.5 48.7#
86 63.9 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 47.096 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

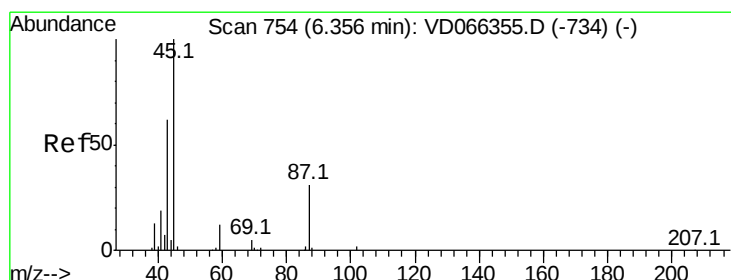
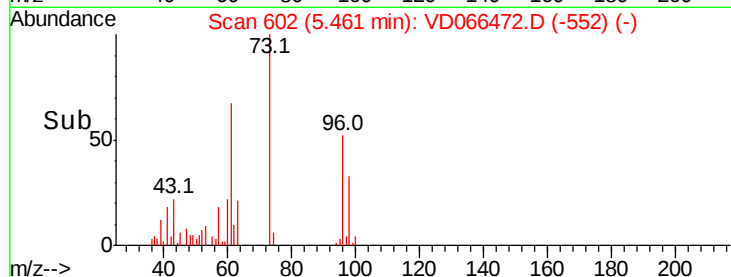
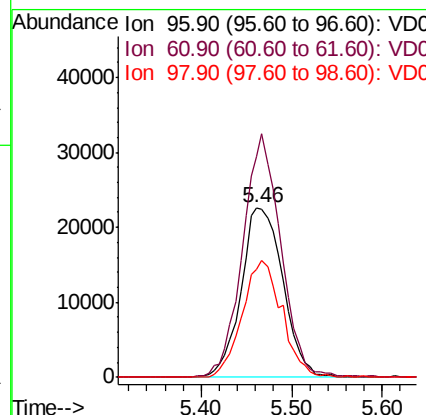
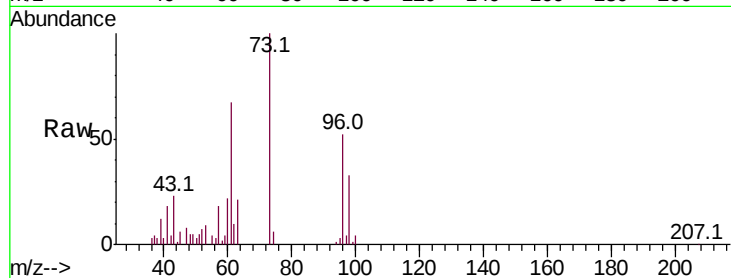
Tot Ion: 96 Resp: 72410

Ion Ratio Lower Upper

96 100

61 130.0 101.1 151.7

98 63.6 47.0 70.6



#22

Diisopropyl ether

Concen: 46.812 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Tgt Ion: 45 Resp: 159782

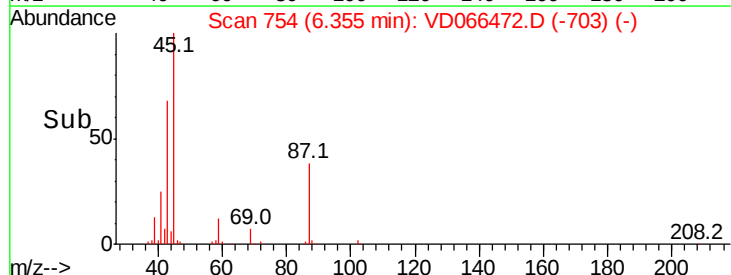
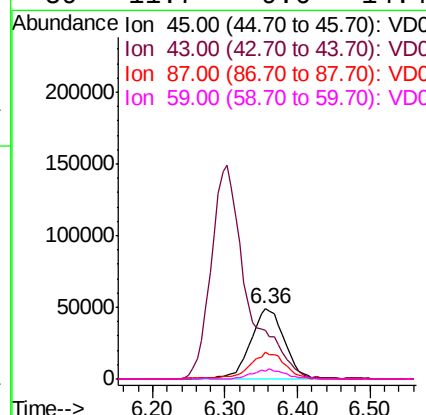
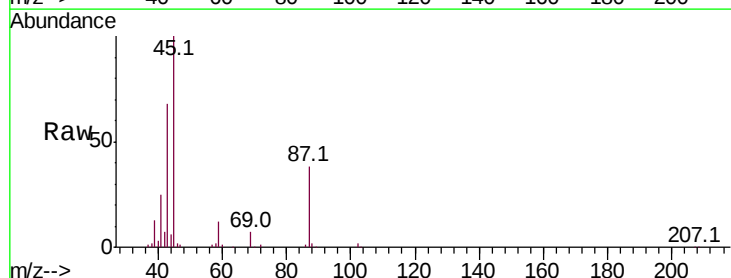
Ion Ratio Lower Upper

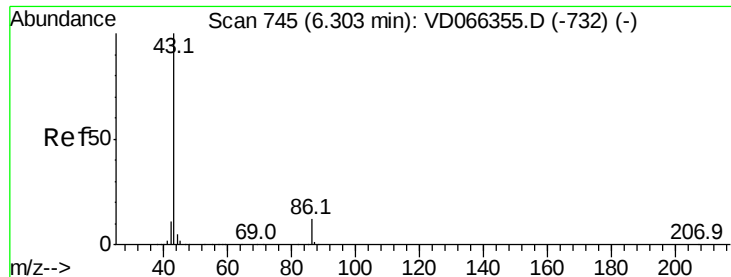
45 100

43 67.4 49.8 74.8

87 38.1 25.0 37.6#

59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 241.324 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

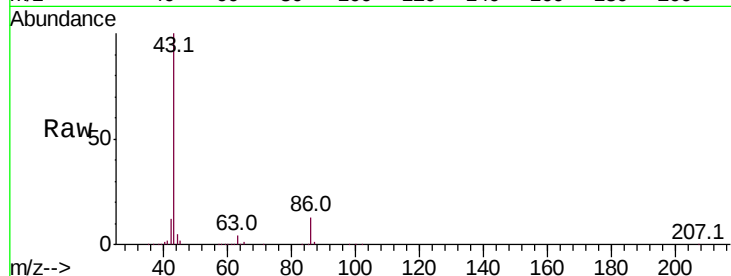
VSTDCCC050EC

Tot Ion: 43 Resp: 509930

Ion Ratio Lower Upper

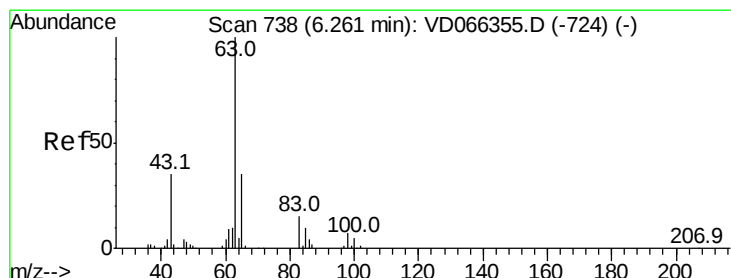
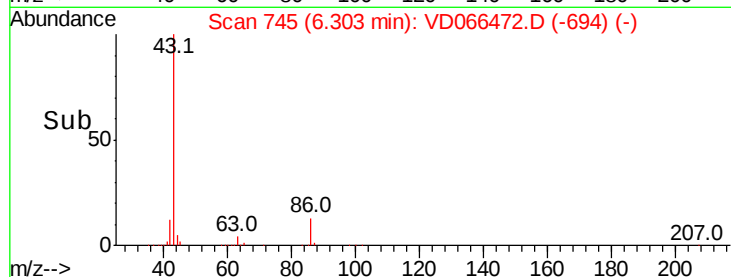
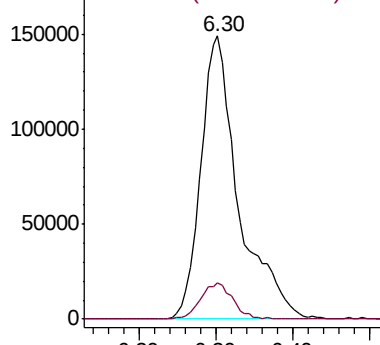
43 100

86 12.9 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.893 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

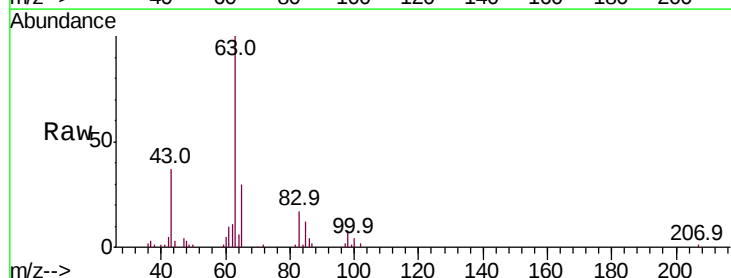
Tgt Ion: 63 Resp: 117935

Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.6

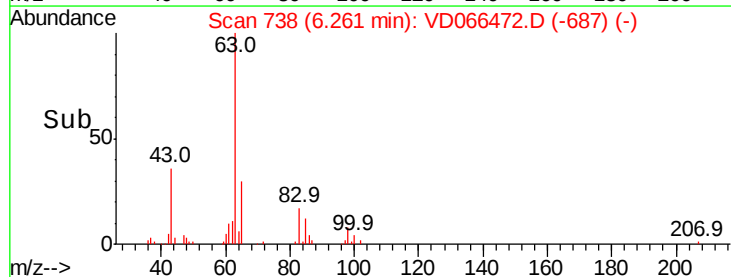
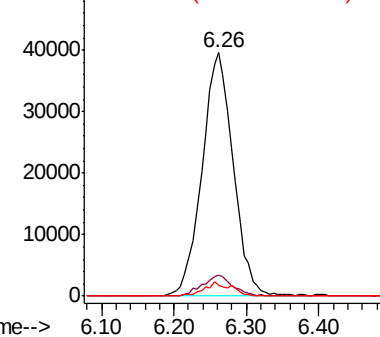
100 4.5 2.5 7.6

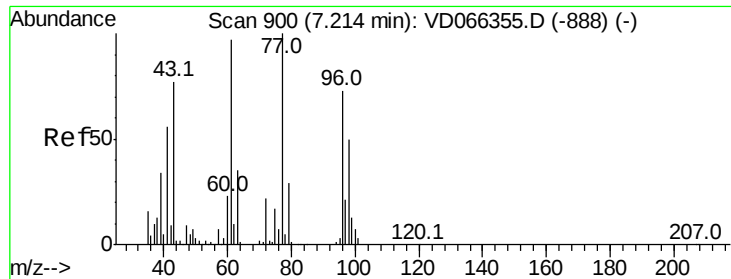


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 239.102 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

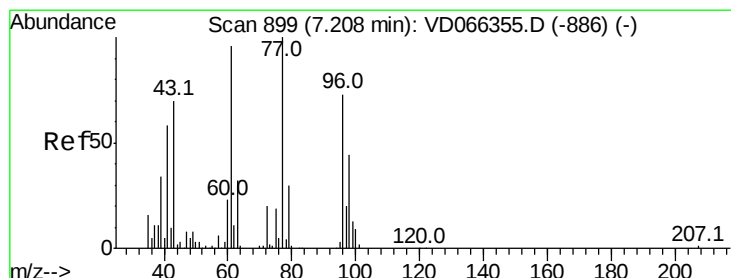
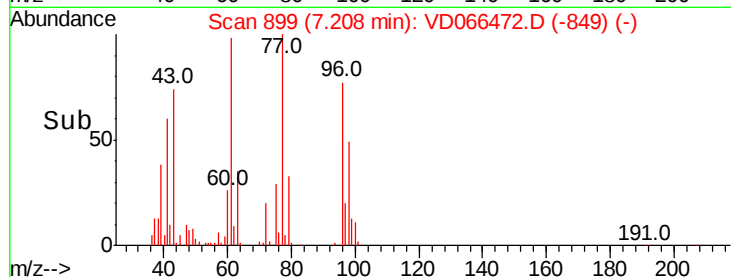
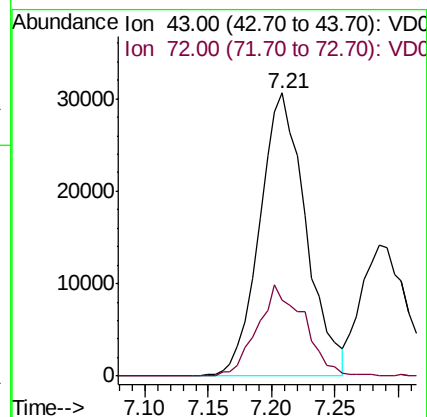
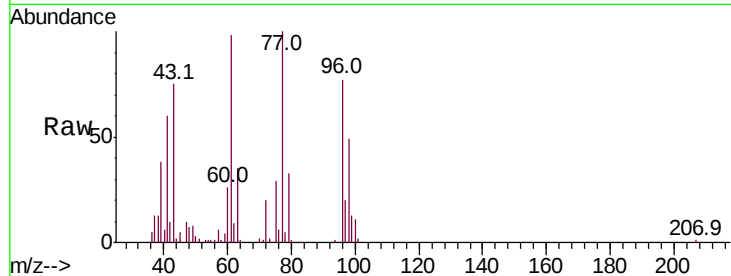
VSTDCCC050EC

Tot Ion: 43 Resp: 77750

Ion Ratio Lower Upper

43 100

72 26.6 22.5 33.7



#26

2,2-Dichloropropane

Concen: 47.030 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066472.D

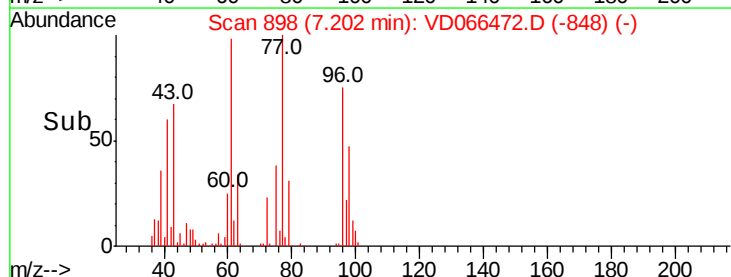
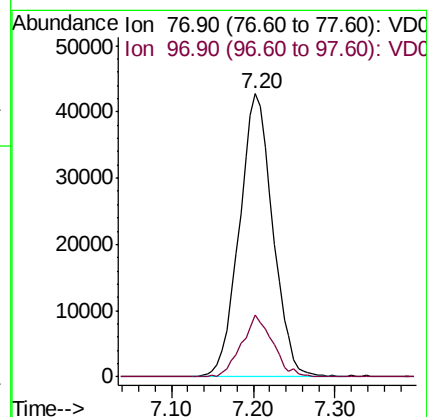
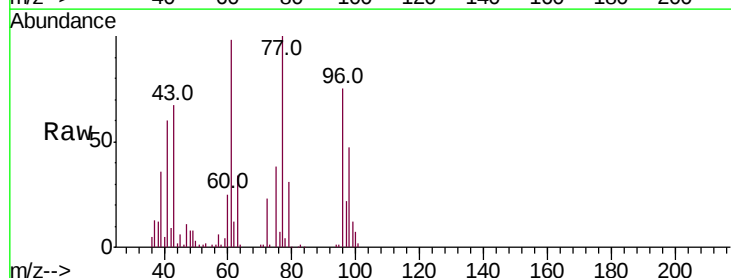
Acq: 28 Aug 2020 20:53

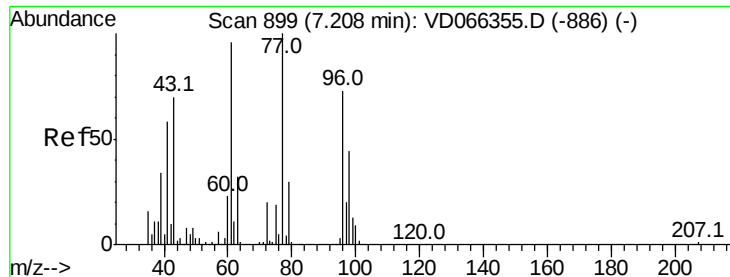
Tgt Ion: 77 Resp: 121585

Ion Ratio Lower Upper

77 100

97 20.4 10.7 31.9



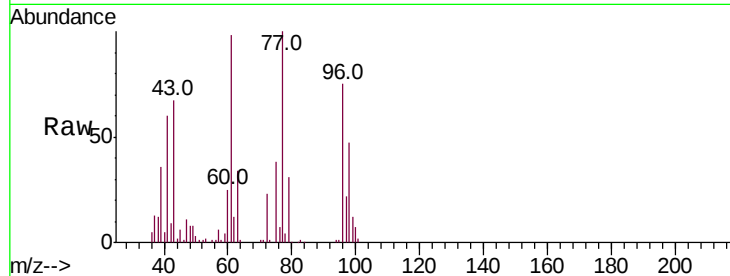


#27

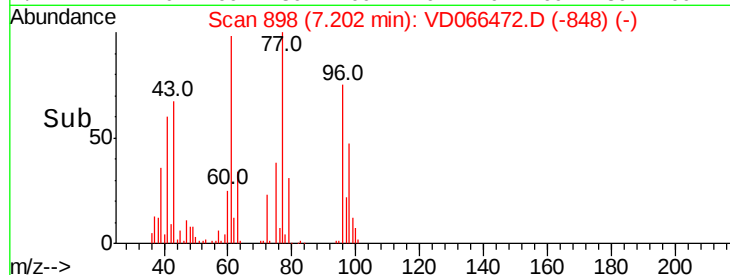
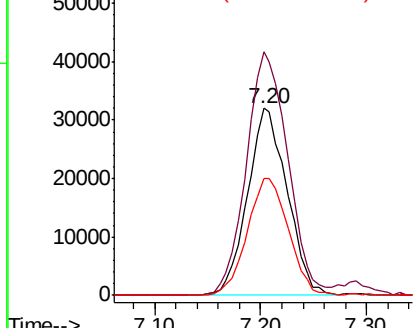
cis-1,2-Dichloroethene
Concen: 50.843 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 83761
Ion Ratio Lower Upper
96 100
61 135.6 0.0 281.4
98 64.7 0.0 132.2



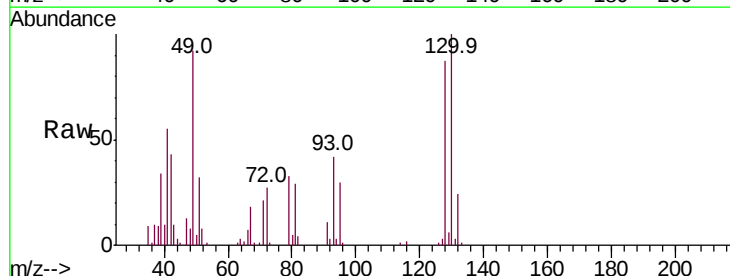
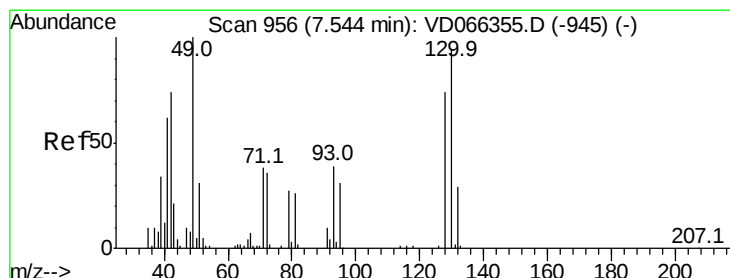
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



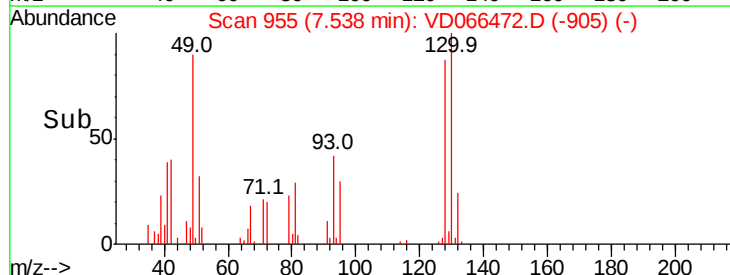
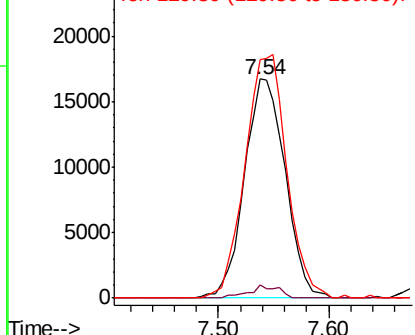
#28

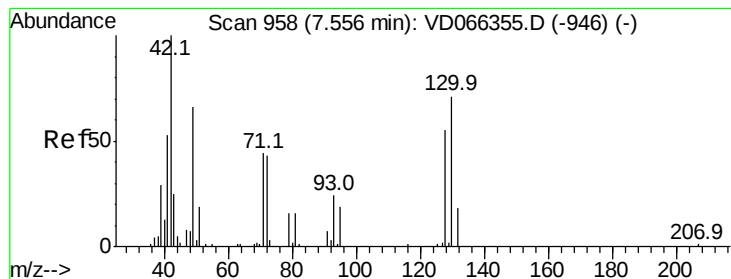
Bromochloromethane
Concen: 52.355 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion: 49 Resp: 43500
Ion Ratio Lower Upper
49 100
129 4.2 0.0 3.0#
130 113.5 82.6 124.0



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





#29

Tetrahydrofuran

Concen: 238.653 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

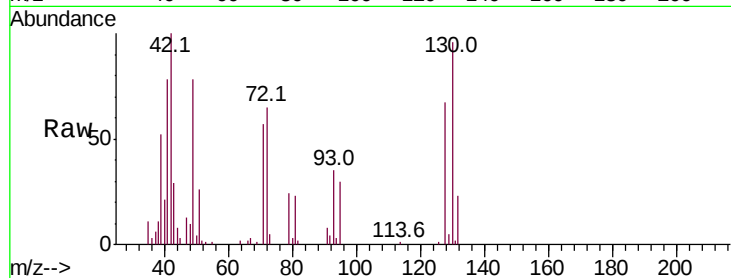
Tot Ion: 42 Resp: 44078

Ion Ratio Lower Upper

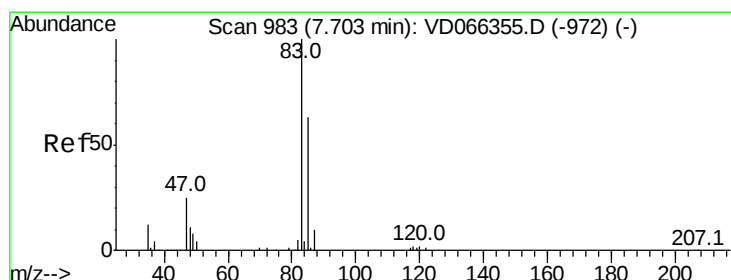
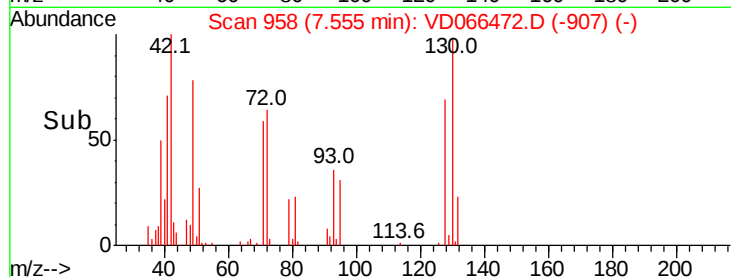
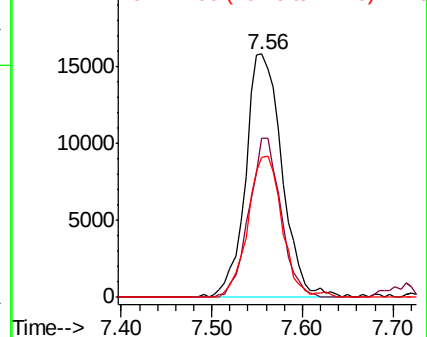
42 100

72 57.4 41.0 61.4

71 53.9 37.2 55.8



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



#30

Chloroform

Concen: 53.368 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066472.D

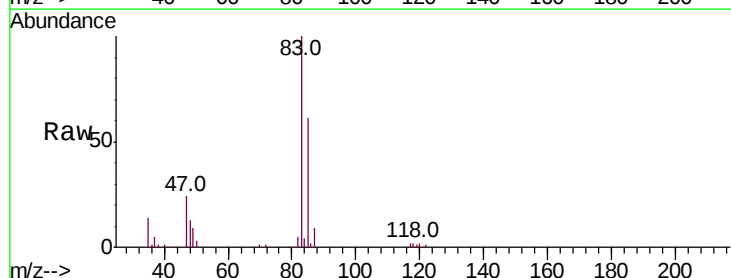
Acq: 28 Aug 2020 20:53

Tgt Ion: 83 Resp: 148940

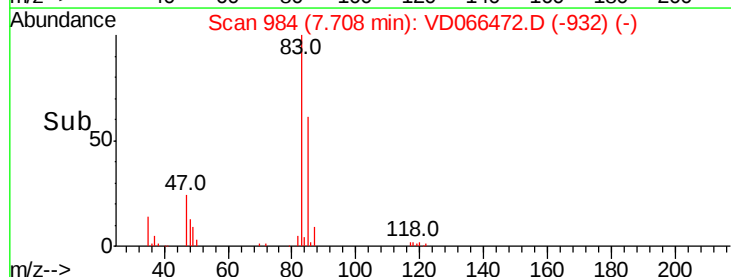
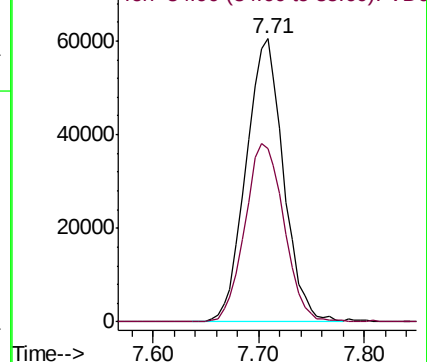
Ion Ratio Lower Upper

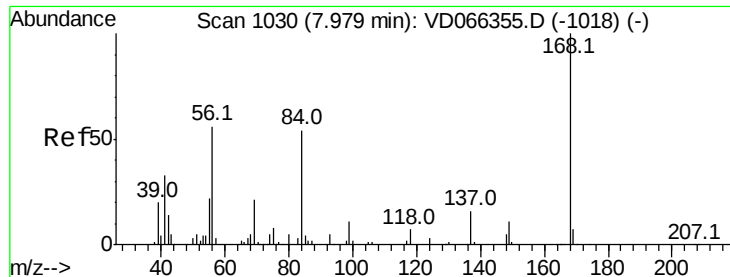
83 100

85 61.1 50.3 75.5



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

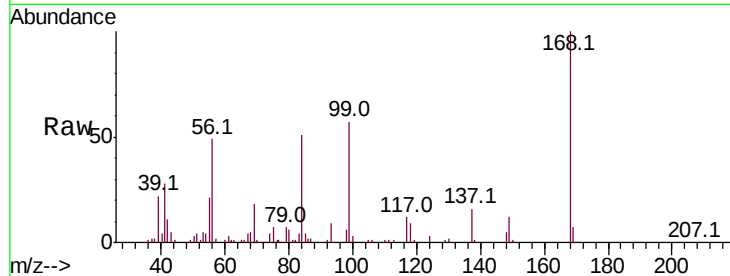




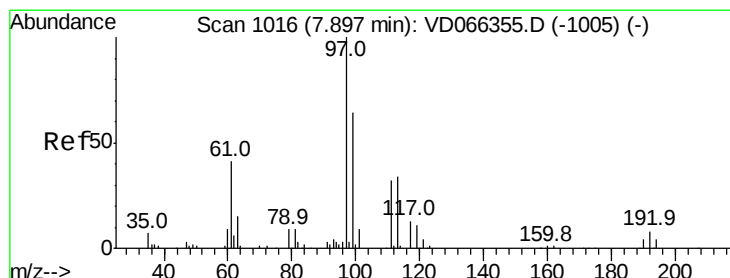
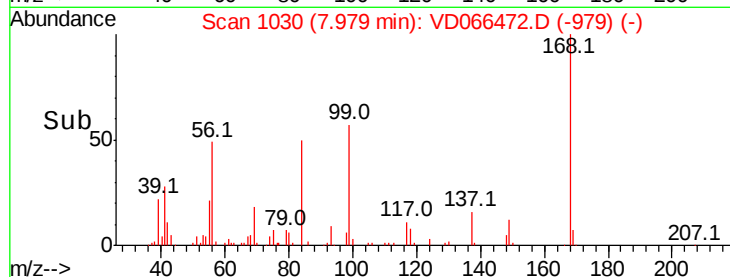
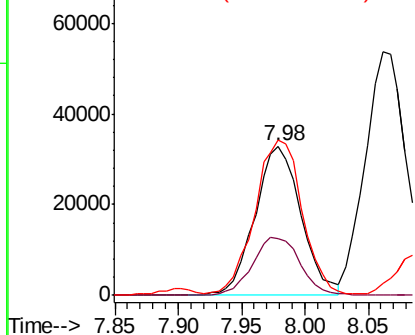
#31
Cyclohexane
Concen: 37.873 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 83550
Ion Ratio Lower Upper
56 100
69 37.9 29.6 44.4
84 100.9 76.6 115.0

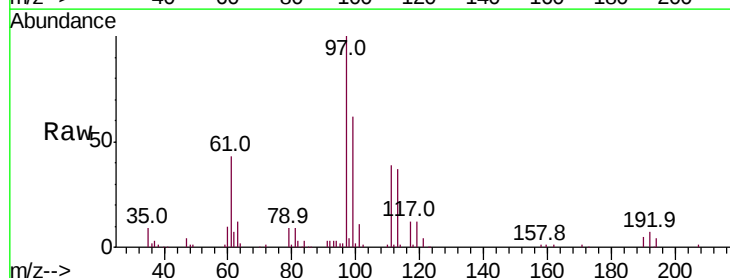


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

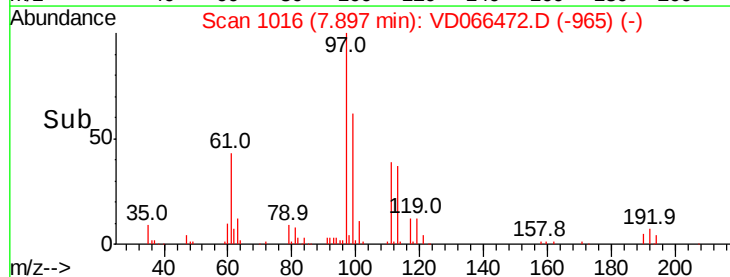
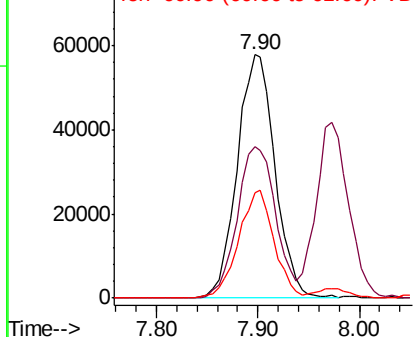


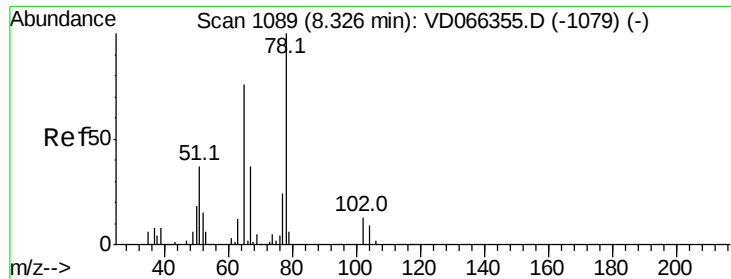
#32
1,1,1-Trichloroethane
Concen: 52.208 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion: 97 Resp: 149121
Ion Ratio Lower Upper
97 100
99 63.6 51.5 77.3
61 41.6 33.3 49.9



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





#33

1,2-Dichloroethane-d4

Concen: 57.973 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

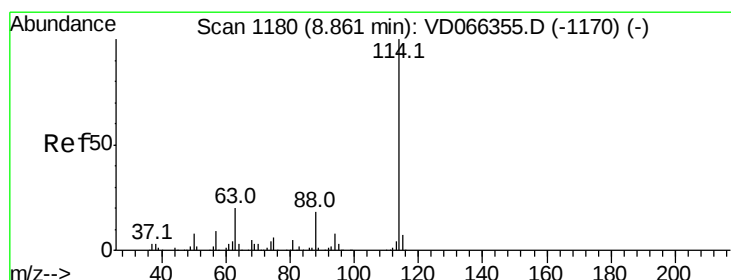
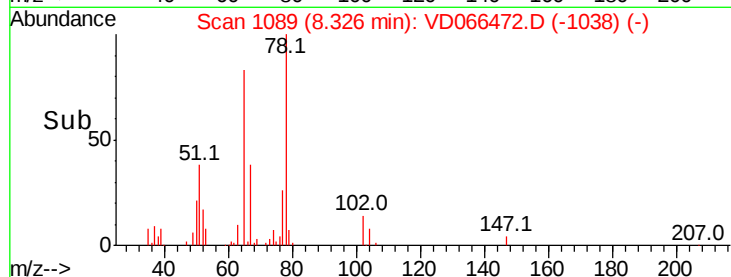
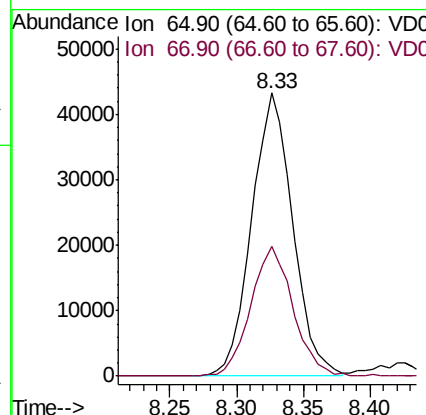
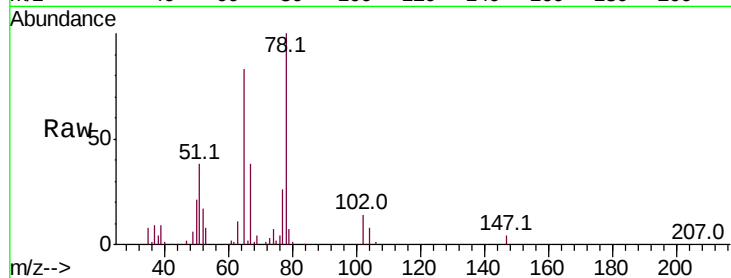
Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 65 Resp: 92108

Ion	Ratio	Lower	Upper
65	100		
67	47.1	0.0	101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

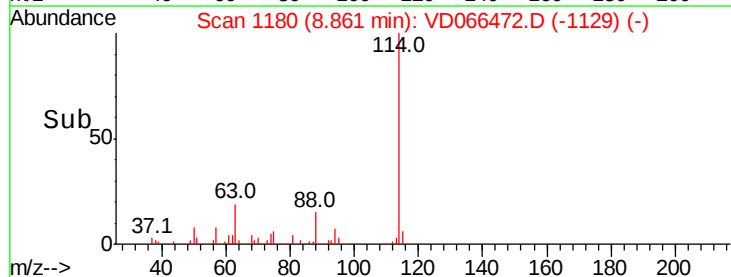
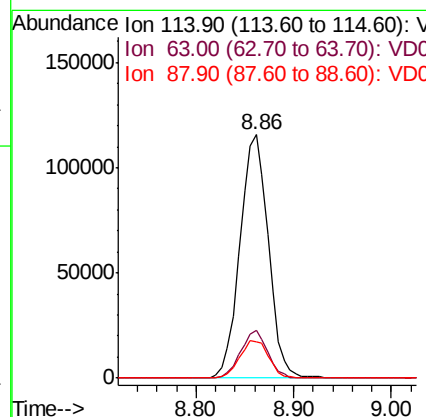
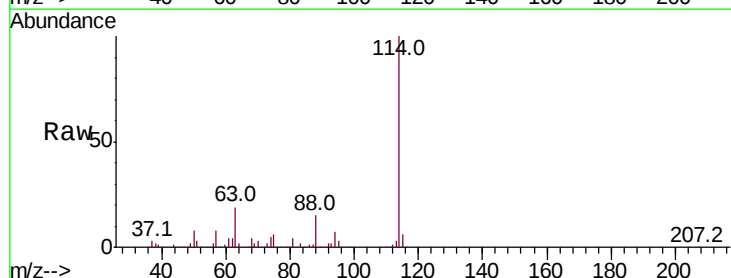
Delta R.T. -0.00 min

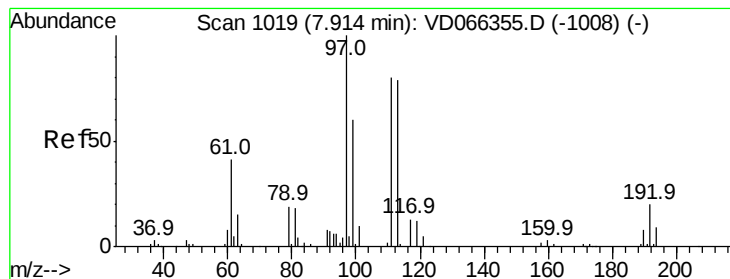
Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Tgt Ion: 114 Resp: 234909

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.8
88	15.0	0.0	35.4





#35

Dibromofluoromethane

Concen: 51.231 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

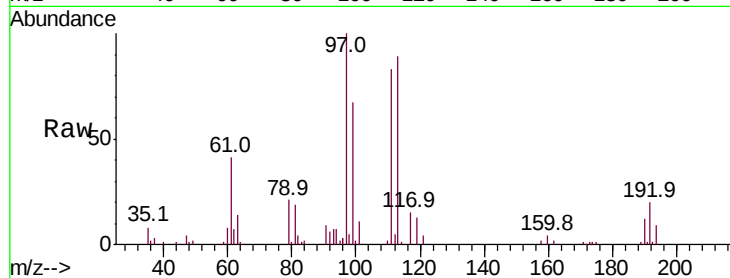
Tot Ion:113 Resp: 75253

Ion Ratio Lower Upper

113 100

111 104.4 80.3 120.5

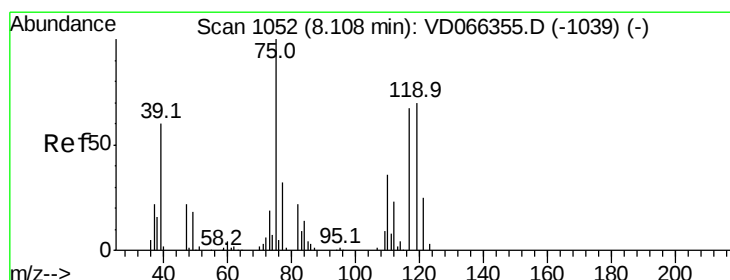
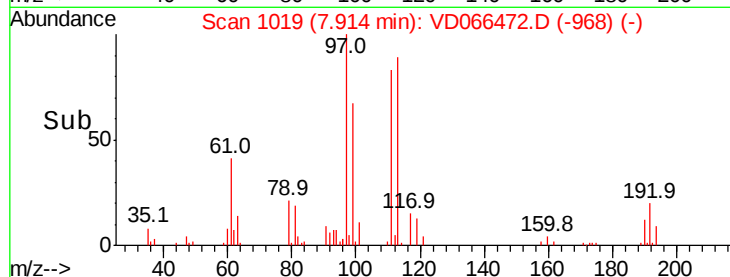
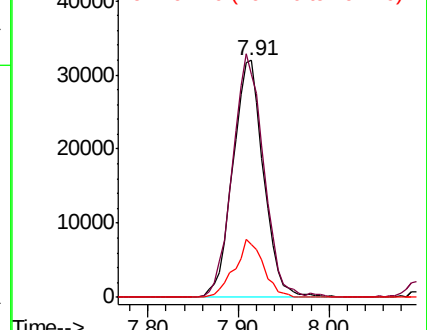
192 22.9 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.489 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

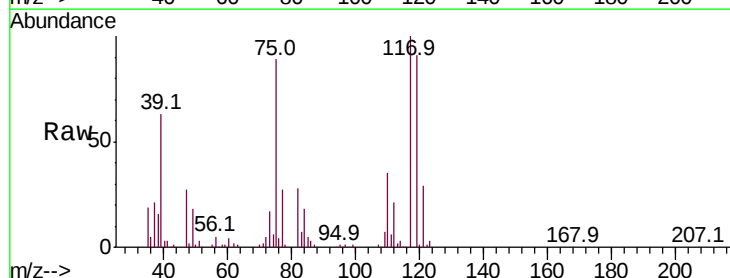
Tgt Ion: 75 Resp: 95358

Ion Ratio Lower Upper

75 100

110 38.9 18.7 56.1

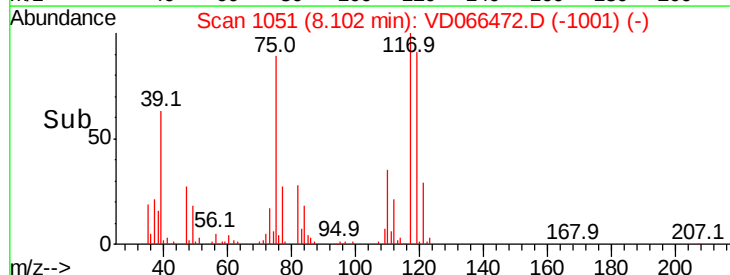
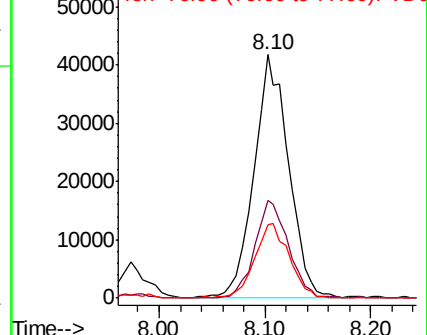
77 30.5 25.2 37.8

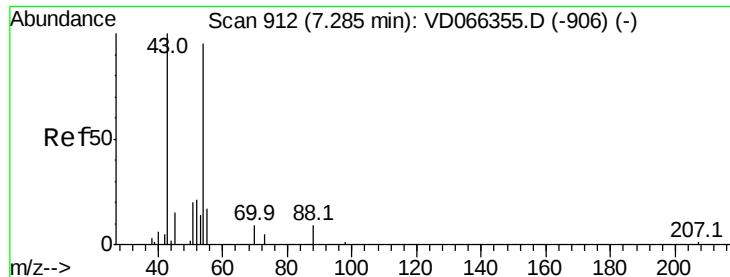


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

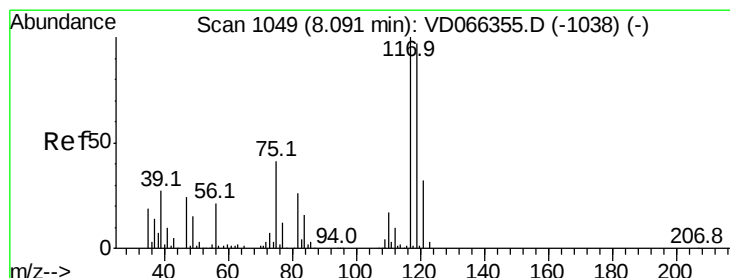
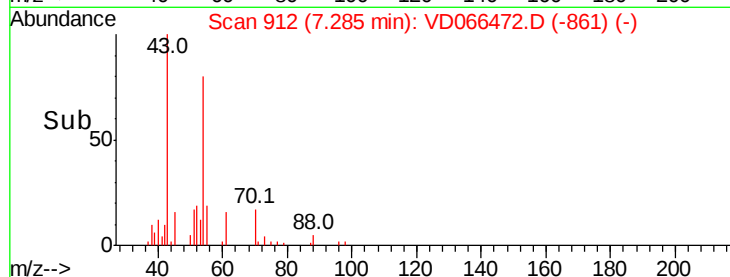
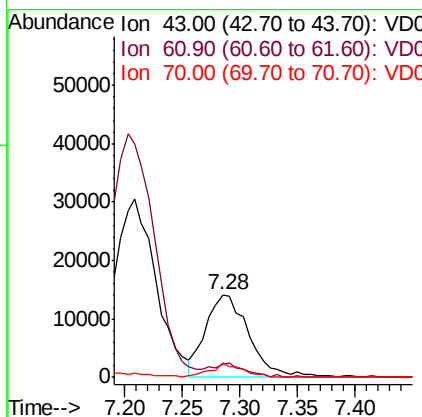
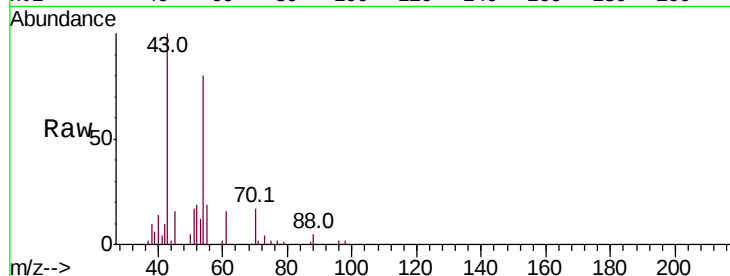




#37
Ethyl Acetate
Concen: 50.492 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

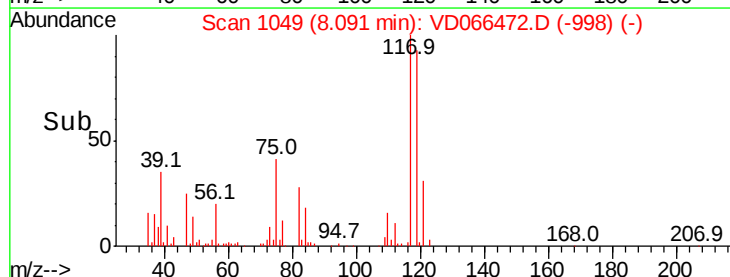
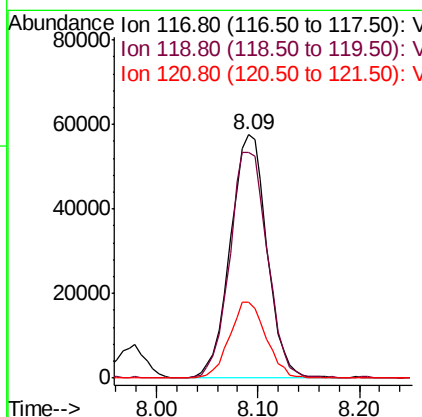
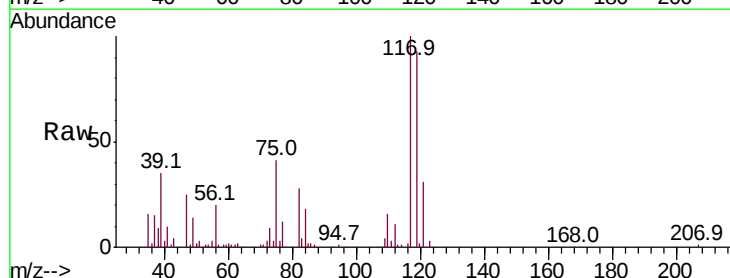
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

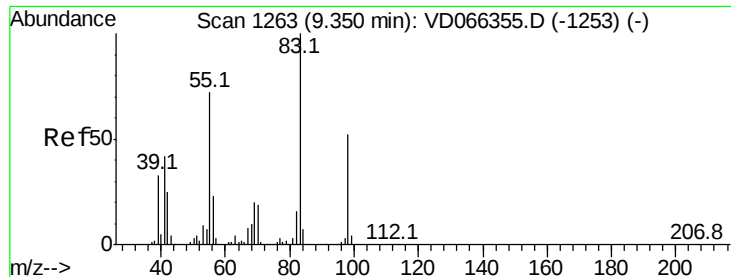
Tot Ion: 43 Resp: 36809
Ion Ratio Lower Upper
43 100
61 13.0 13.3 19.9#
70 13.4 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 51.681 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion: 117 Resp: 144320
Ion Ratio Lower Upper
117 100
119 92.7 77.2 115.8
121 31.1 25.8 38.8

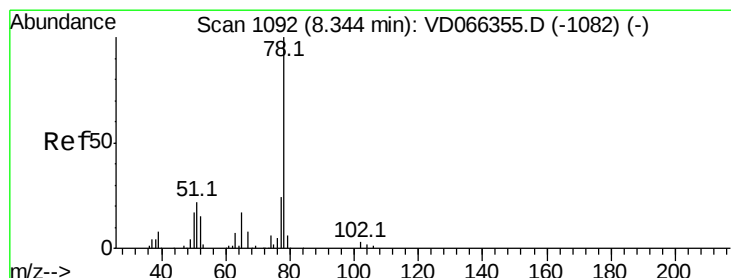
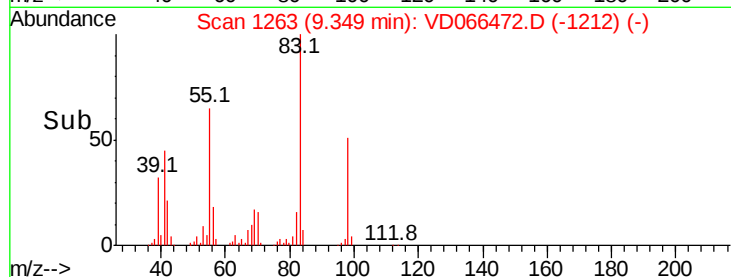
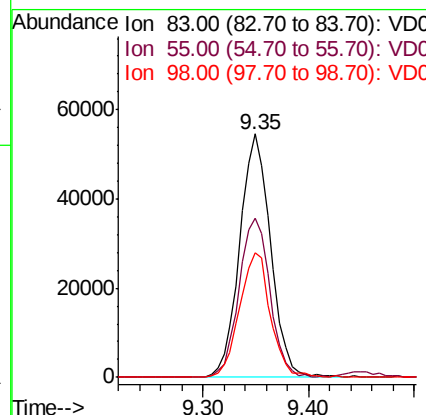
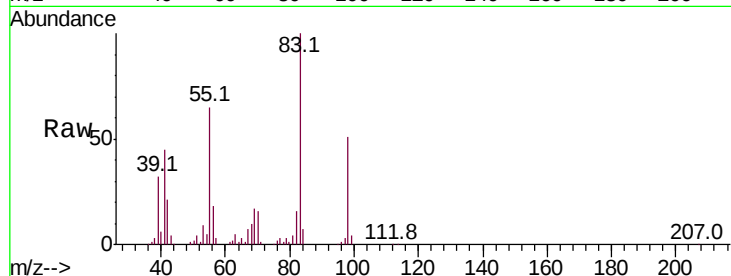




#39
Methvlcvclohexane
Concen: 43.789 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

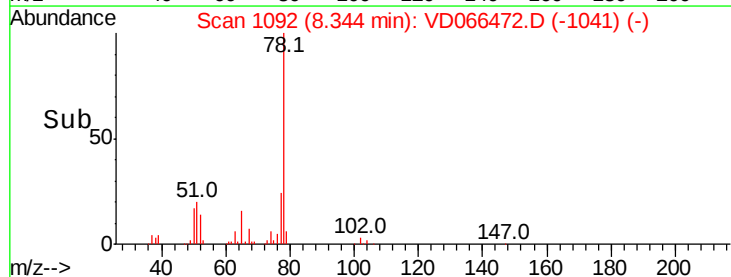
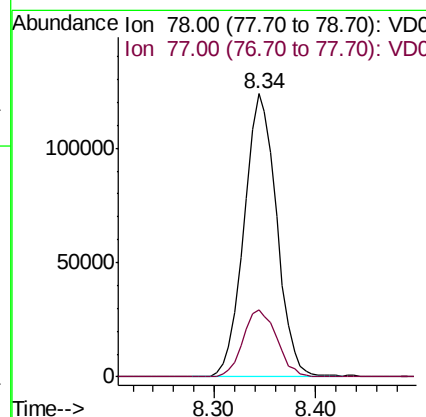
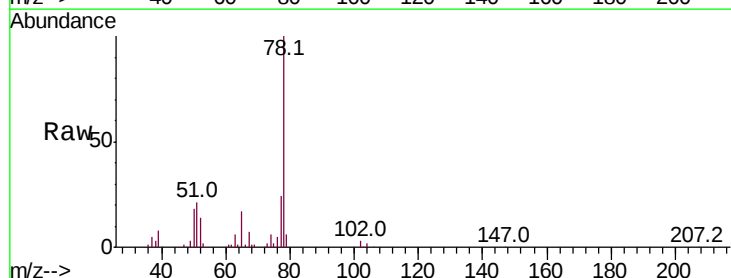
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

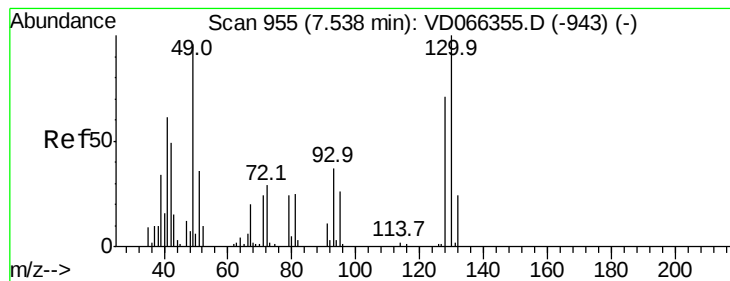
Tot Ion: 83 Resp: 110561
Ion Ratio Lower Upper
83 100
55 65.2 58.0 87.0
98 51.2 41.9 62.9



#40
Benzene
Concen: 48.974 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion: 78 Resp: 276146
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 116.799 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.02 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 52508

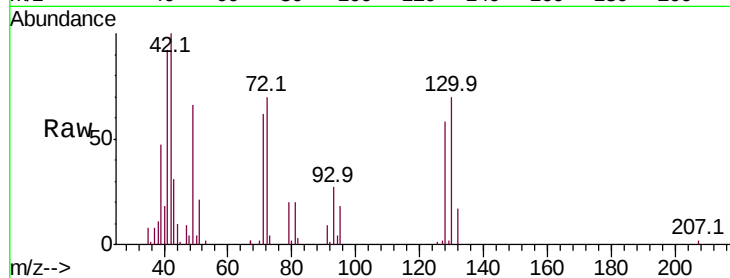
Ion Ratio Lower Upper

41 100

39 64.8 51.8 77.8

67 0.0 0.0 0.0

52 0.0 0.0 0.0

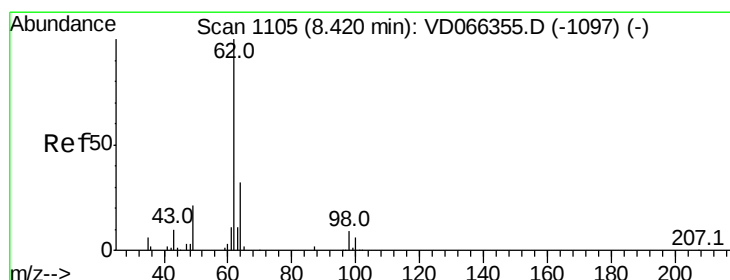
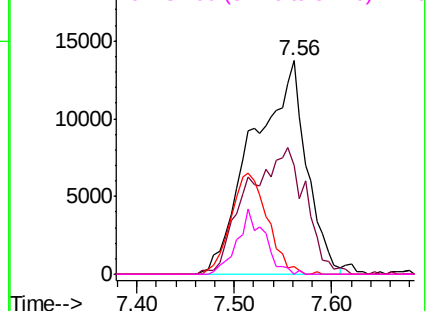
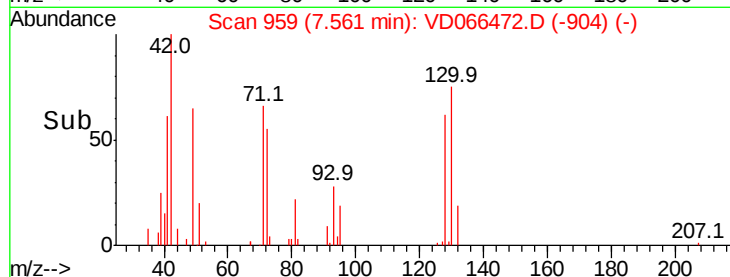


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 56.729 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066472.D

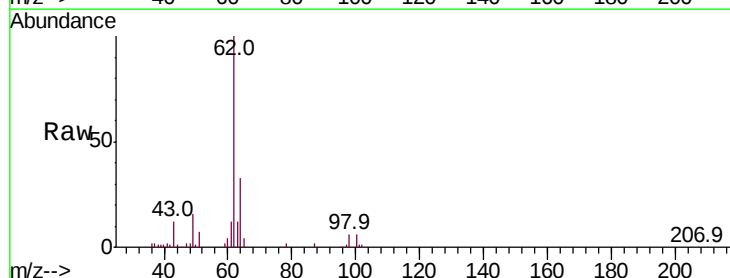
Acq: 28 Aug 2020 20:53

Tgt Ion: 62 Resp: 112659

Ion Ratio Lower Upper

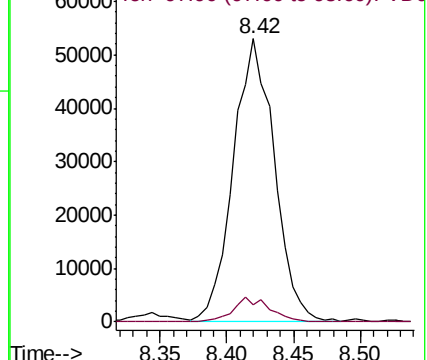
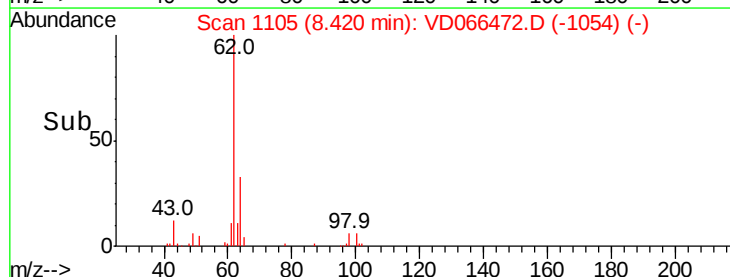
62 100

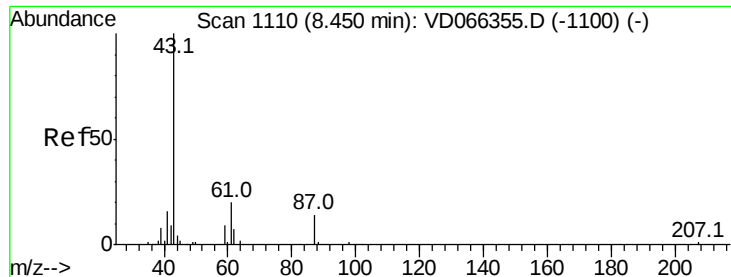
98 7.8 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.711 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

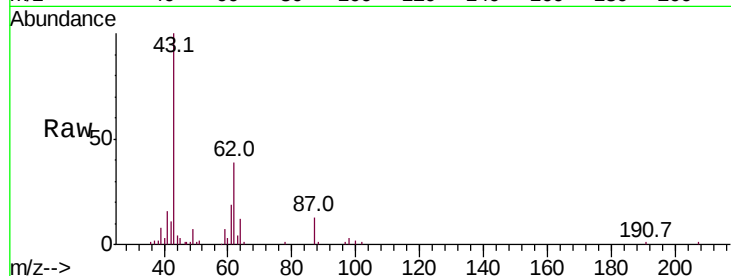
Tot Ion: 43 Resp: 74201

Ion Ratio Lower Upper

43 100

61 33.5 26.5 39.7

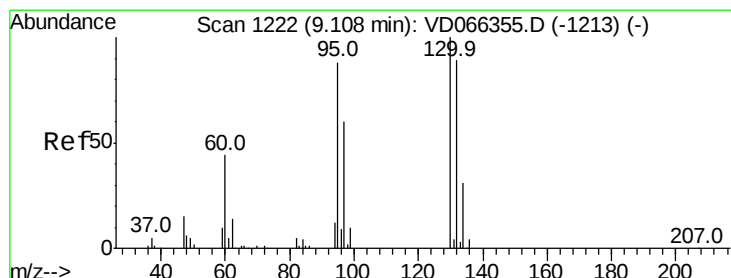
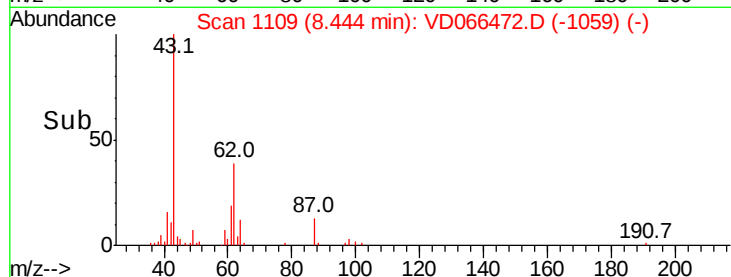
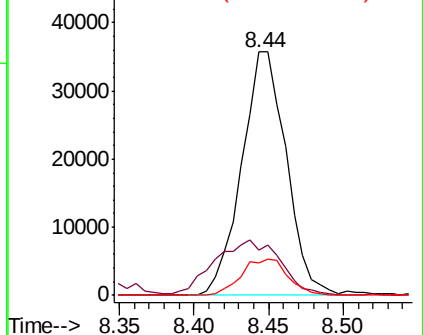
87 15.6 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.220 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066472.D

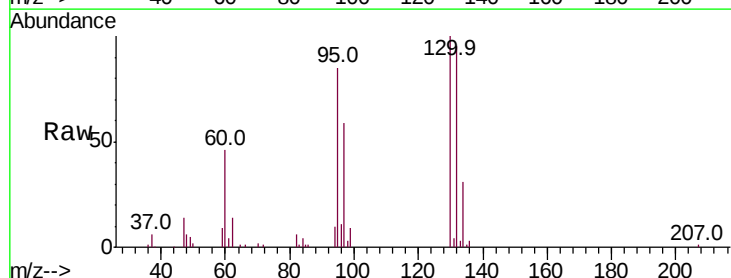
Acq: 28 Aug 2020 20:53

Tgt Ion:130 Resp: 90181

Ion Ratio Lower Upper

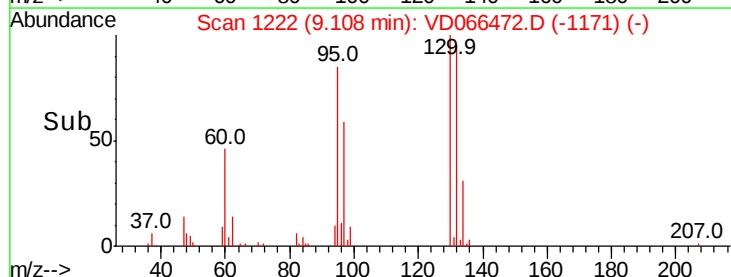
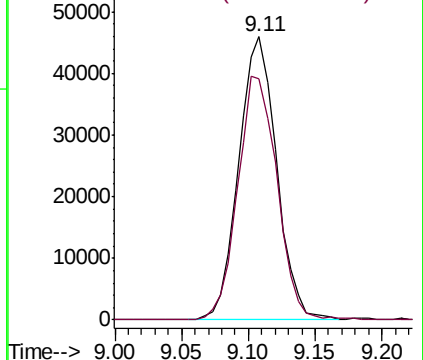
130 100

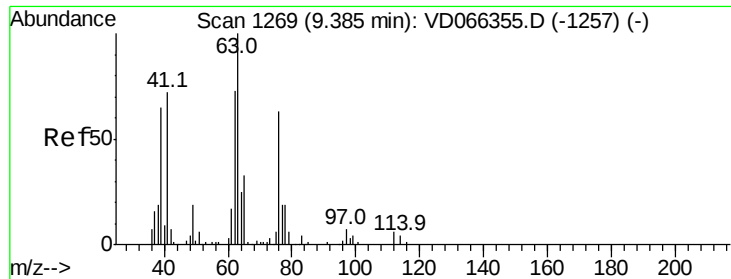
95 85.0 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 46.121 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

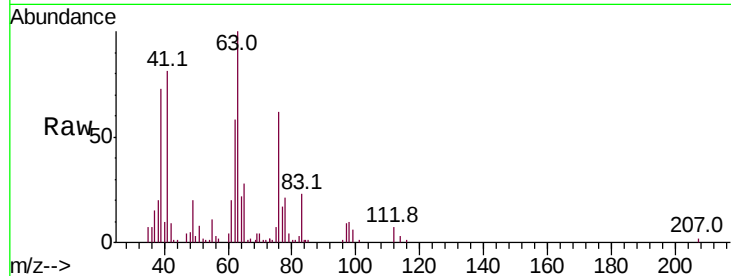
VSTDCCC050EC

Tot Ion: 63 Resp: 58956

Ion Ratio Lower Upper

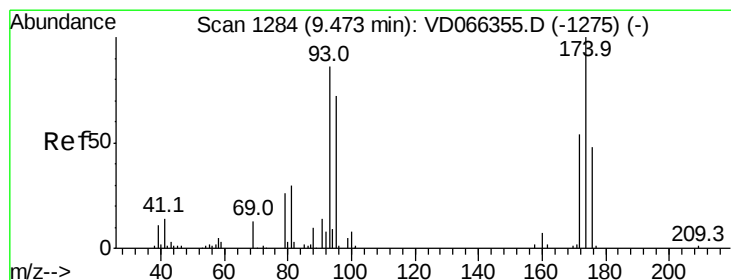
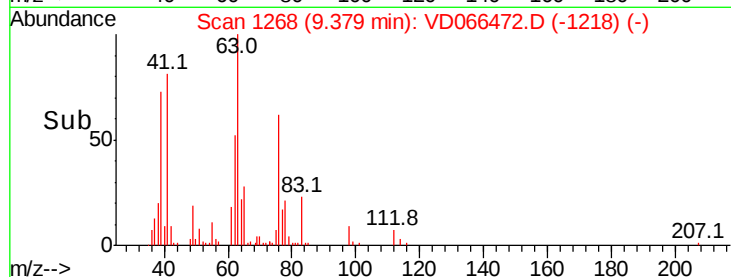
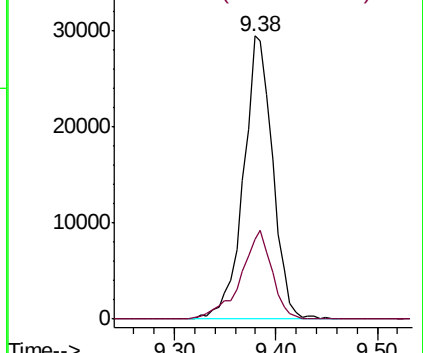
63 100

65 28.1 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.645 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

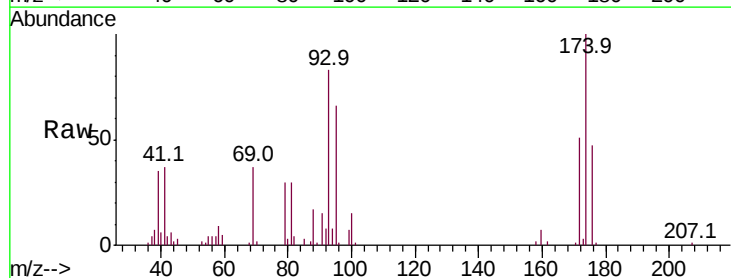
Tgt Ion: 93 Resp: 41900

Ion Ratio Lower Upper

93 100

95 79.9 66.0 99.0

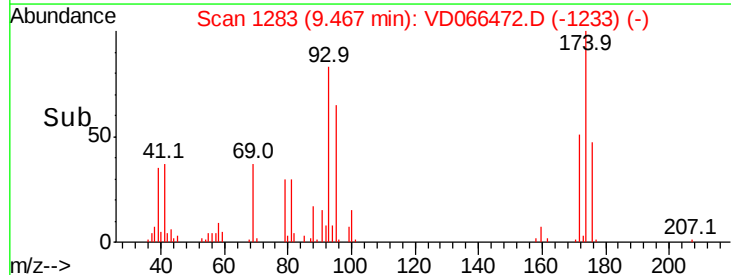
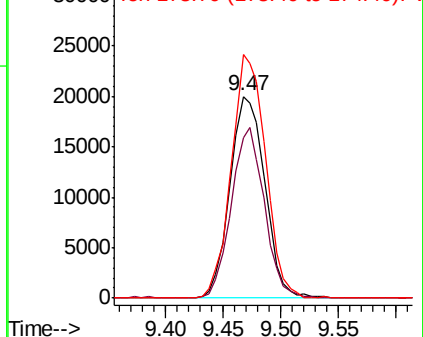
174 118.2 94.6 141.8

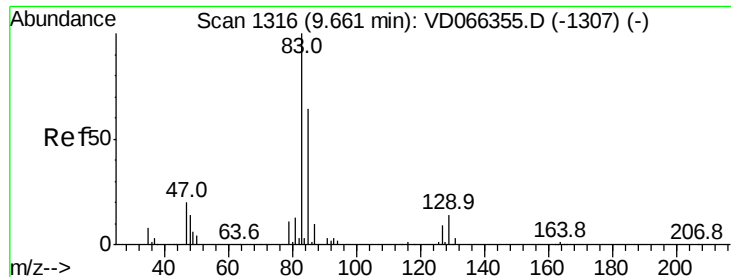


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.773 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

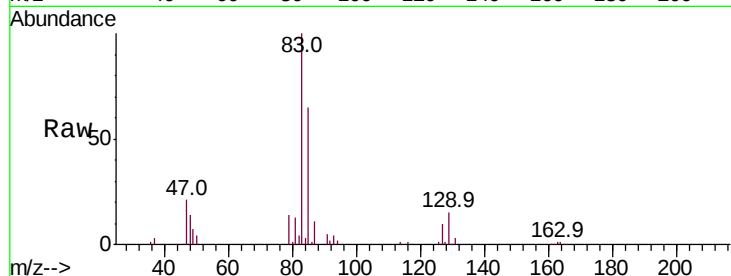
Tot Ion: 83 Resp: 119886

Ion Ratio Lower Upper

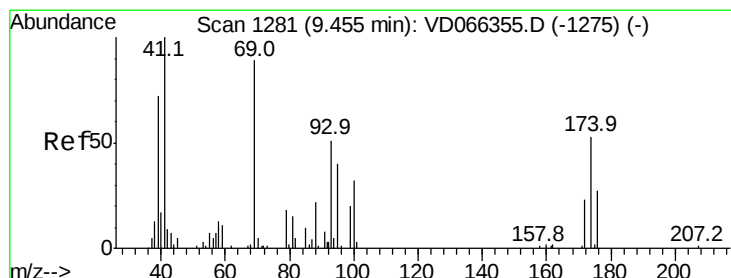
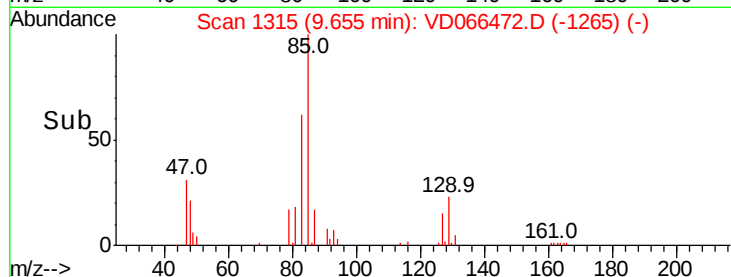
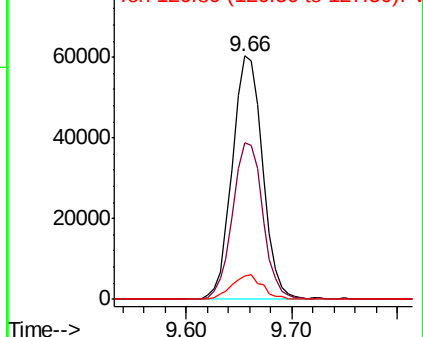
83 100

85 64.6 51.4 77.0

127 9.6 7.4 11.0



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



#48

Methyl methacrylate

Concen: 49.957 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

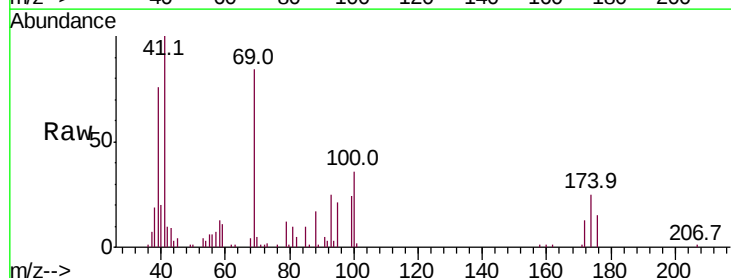
Tgt Ion: 41 Resp: 37694

Ion Ratio Lower Upper

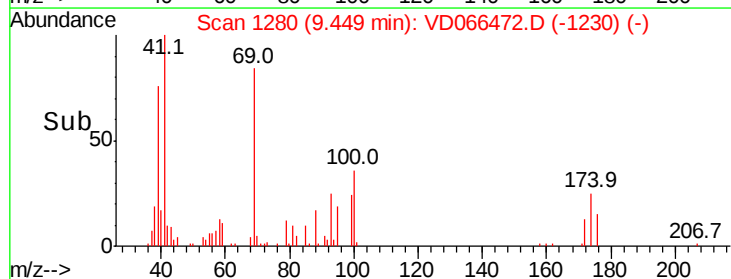
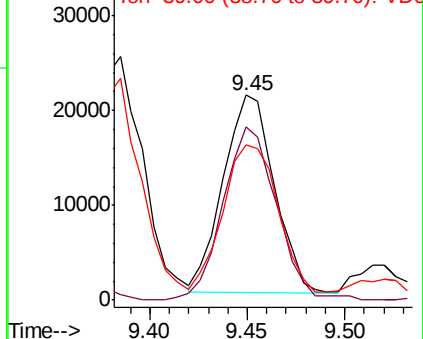
41 100

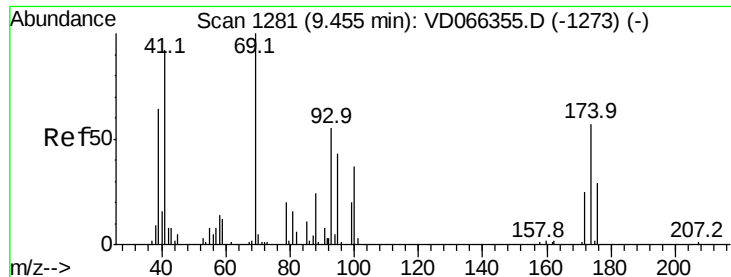
69 91.8 75.5 113.3

39 89.3 57.0 85.4#



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

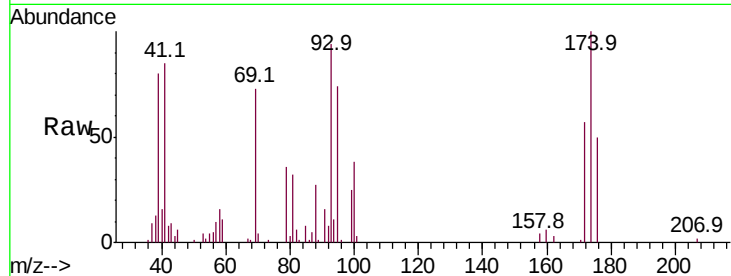




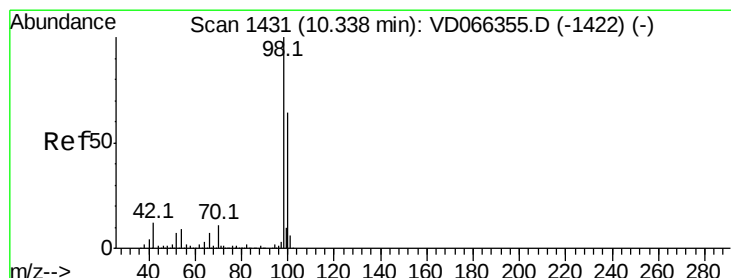
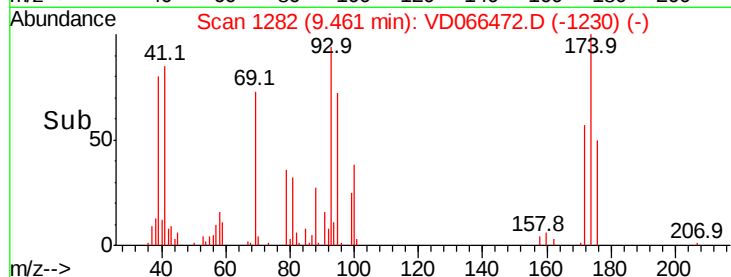
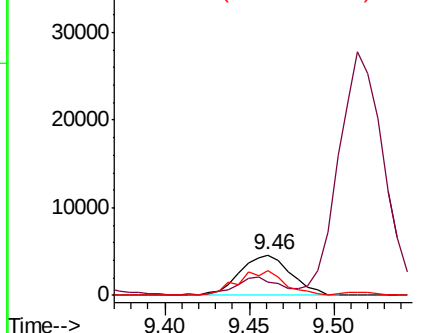
#49
 1,4-Dioxane
 Concen: 1043.648 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 9645
 Ion Ratio Lower Upper
 88 100
 43 41.3 29.4 44.0
 58 56.7 45.4 68.2

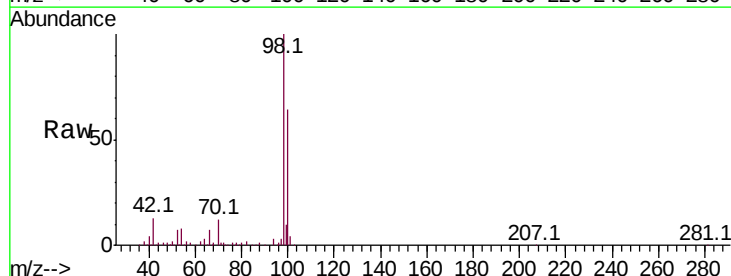


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

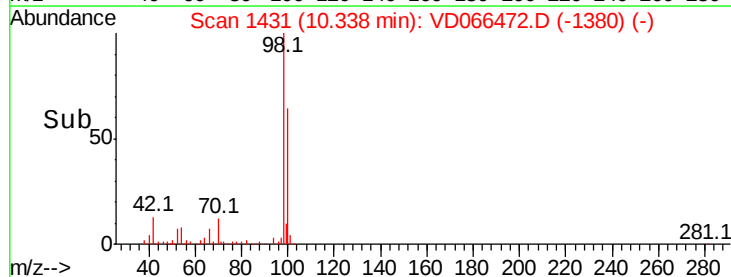
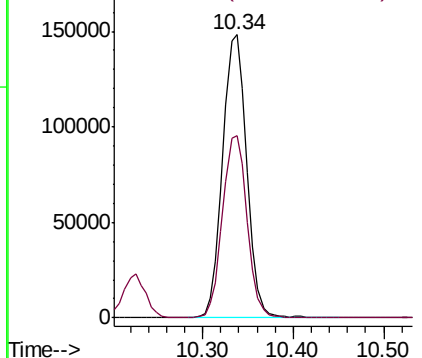


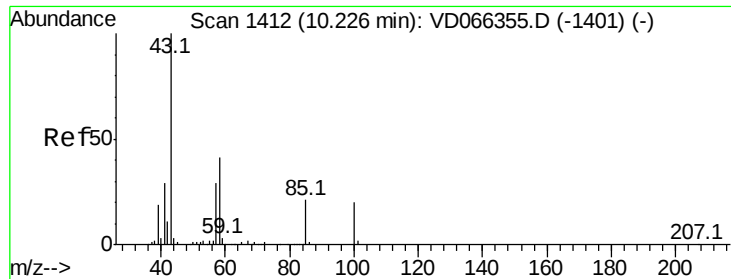
#50
 Toluene-d8
 Concen: 51.021 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

Tgt Ion: 98 Resp: 274214
 Ion Ratio Lower Upper
 98 100
 100 65.5 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 254.682 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

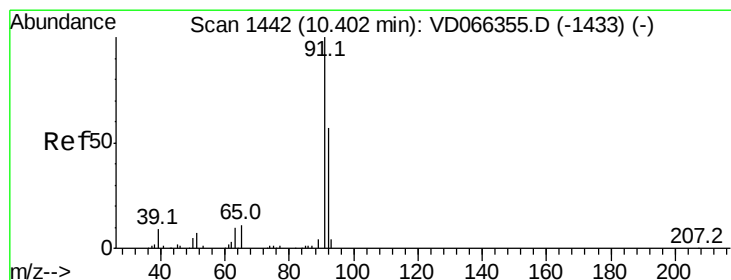
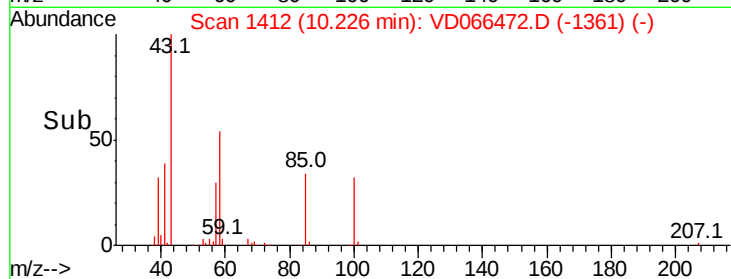
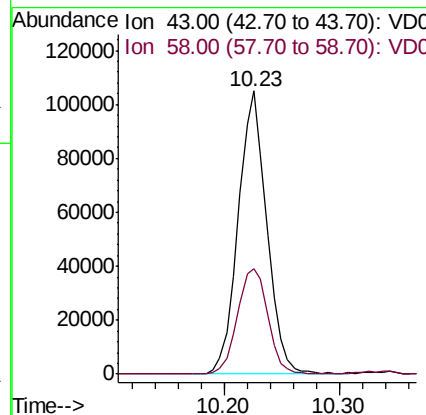
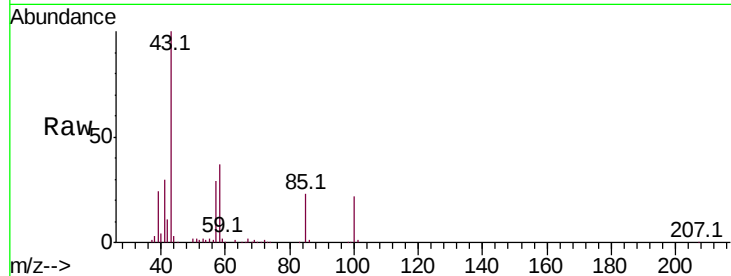
VSTDCCC050EC

Tot Ion: 43 Resp: 180275

Ion Ratio Lower Upper

43 100

58 39.4 31.4 47.2



#52

Toluene

Concen: 50.305 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066472.D

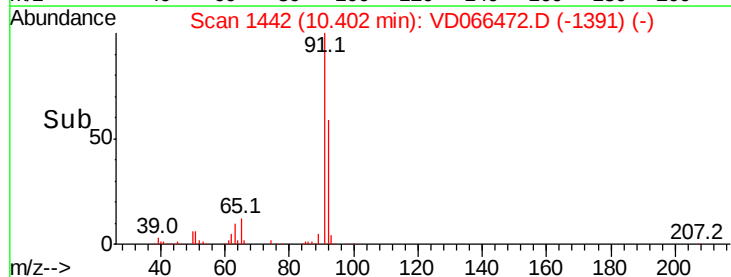
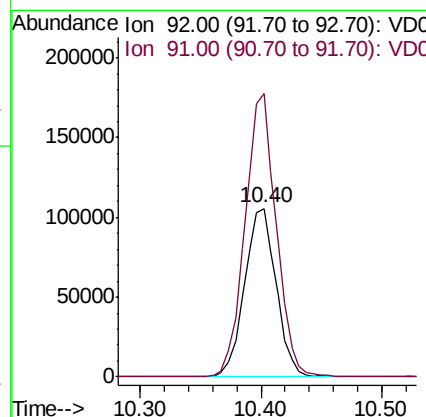
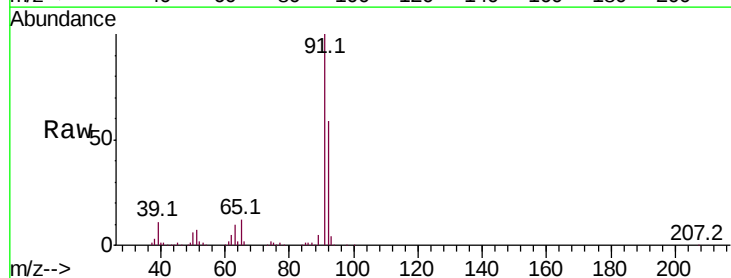
Acq: 28 Aug 2020 20:53

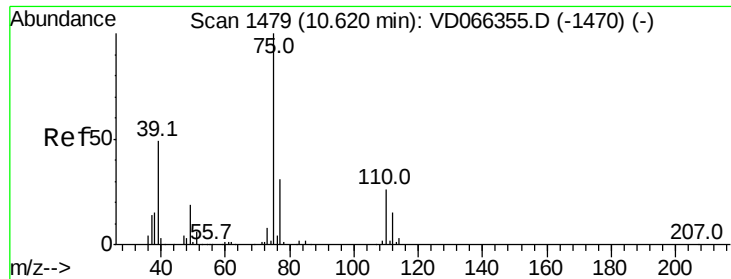
Tgt Ion: 92 Resp: 192173

Ion Ratio Lower Upper

92 100

91 167.4 135.8 203.6

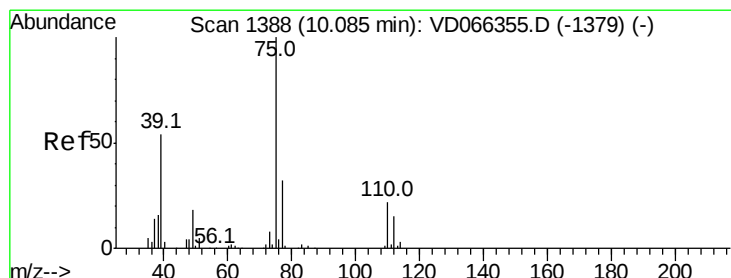
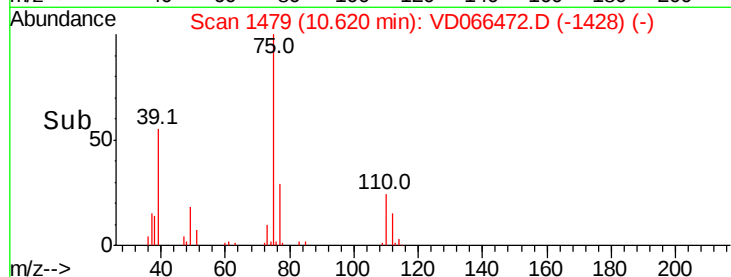
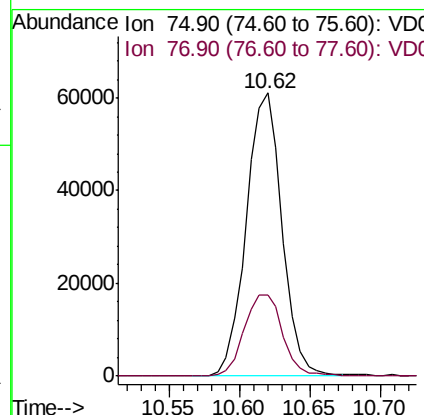
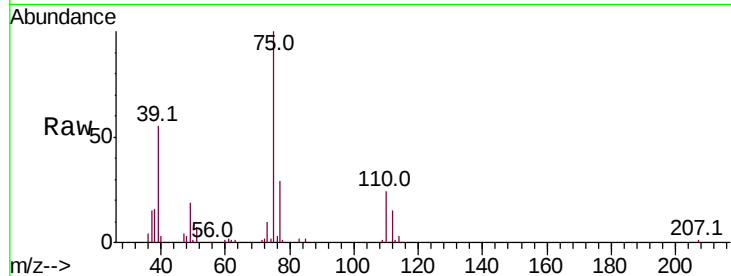




#53
 t-1,3-Dichloropropene
 Concen: 52.228 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

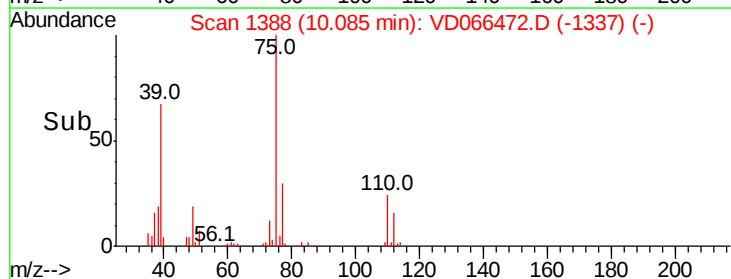
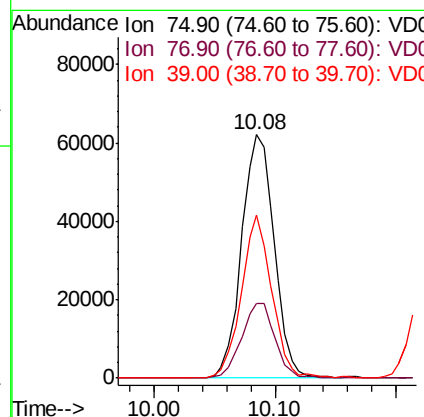
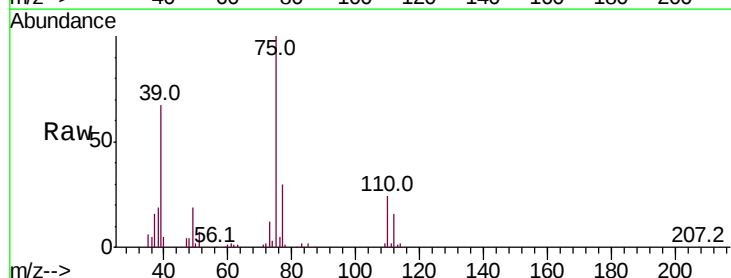
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

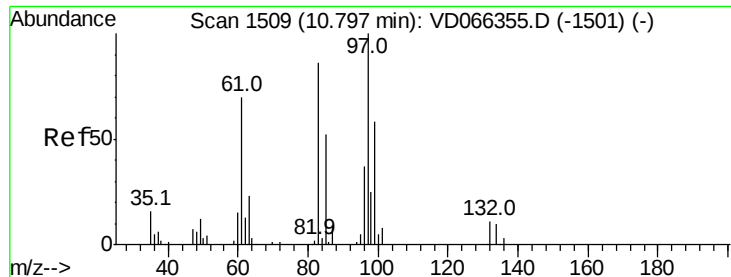
Tot Ion: 75 Resp: 108470
 Ion Ratio Lower Upper
 75 100
 77 28.8 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 50.179 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

Tgt Ion: 75 Resp: 116978
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.6 38.4
 39 67.1 43.4 65.0#





#55

1,1,2-Trichloroethane

Concen: 51.029 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 54982

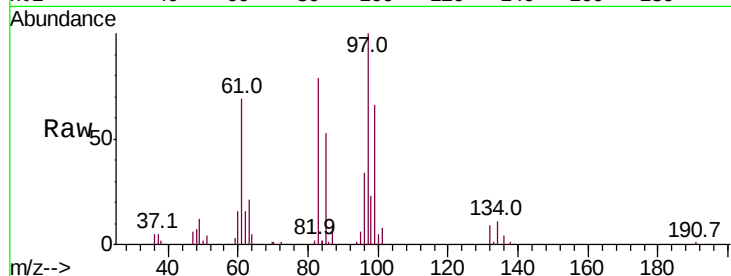
Ion Ratio Lower Upper

97 100

83 79.3 68.4 102.6

85 52.5 41.3 61.9

99 66.1 46.1 69.1

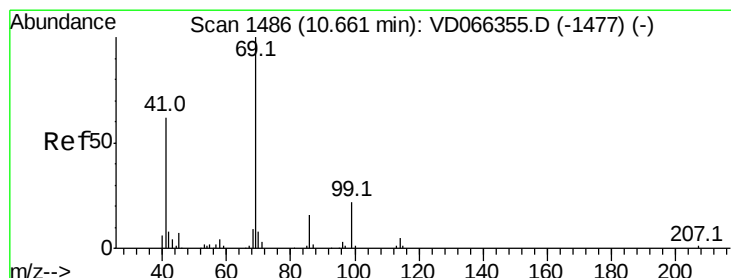
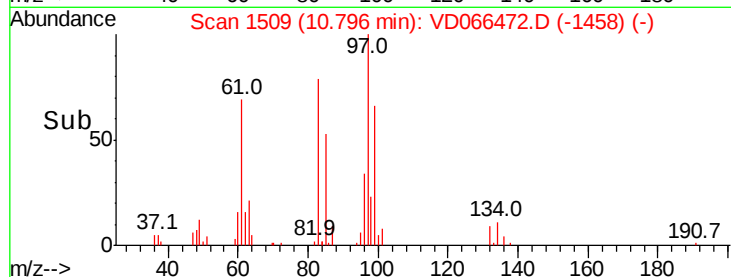
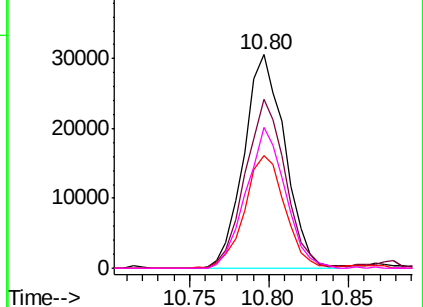


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 53.582 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

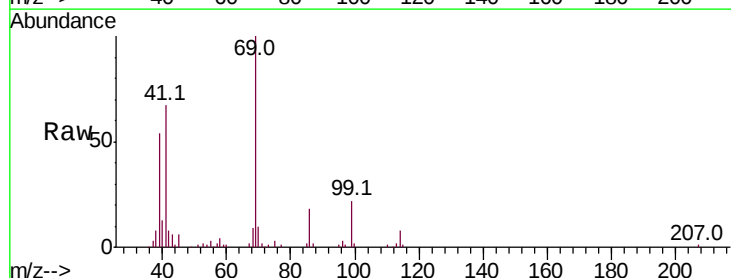
Tgt Ion: 69 Resp: 66832

Ion Ratio Lower Upper

69 100

41 66.4 50.8 76.2

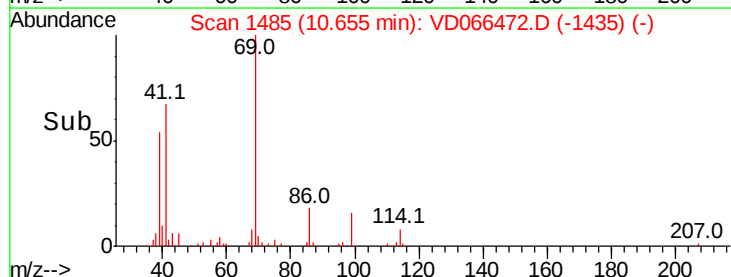
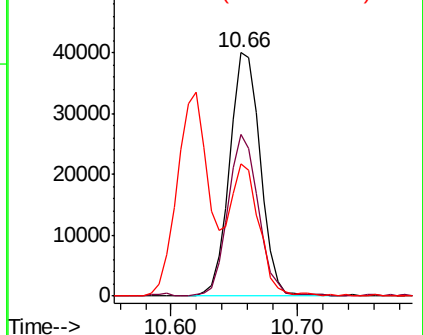
39 53.2 32.9 49.3#

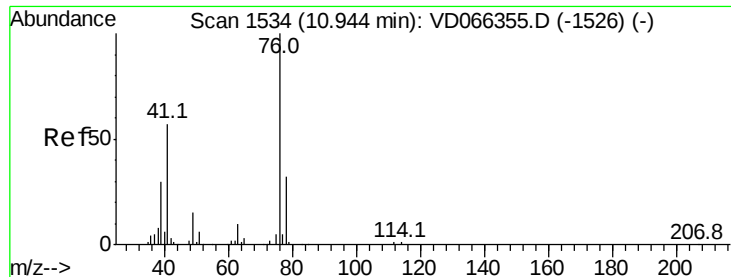


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.025 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

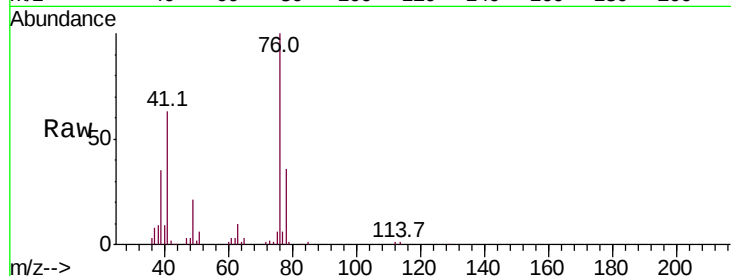
VSTDCCC050EC

Tot Ion: 76 Resp: 89156

Ion Ratio Lower Upper

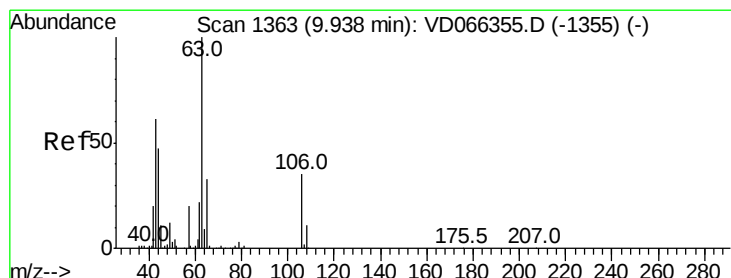
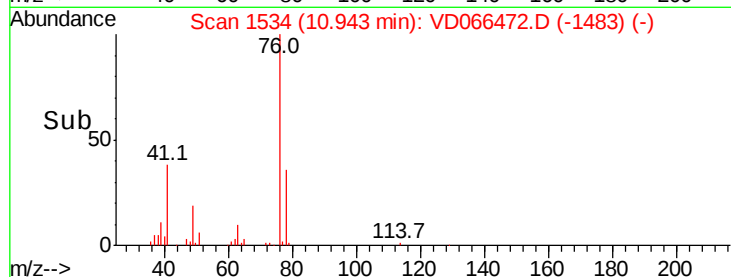
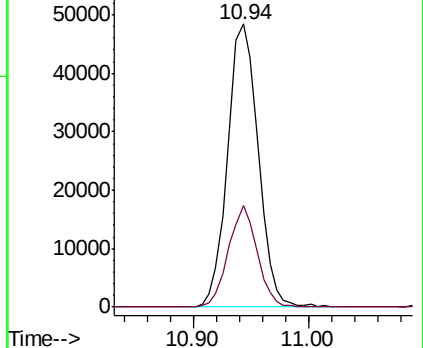
76 100

78 33.5 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 267.129 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066472.D

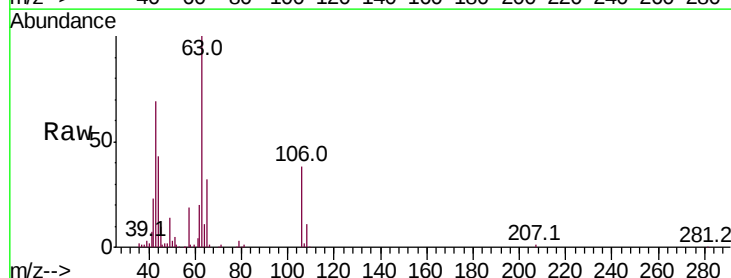
Acq: 28 Aug 2020 20:53

Tgt Ion: 63 Resp: 138382

Ion Ratio Lower Upper

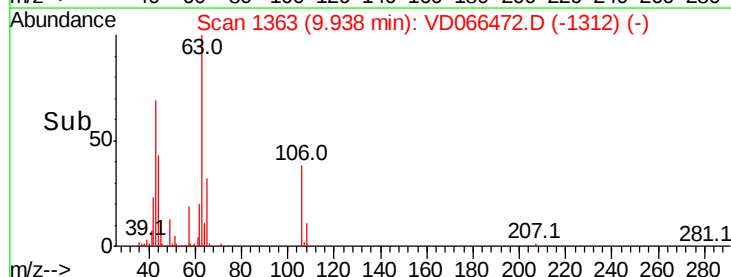
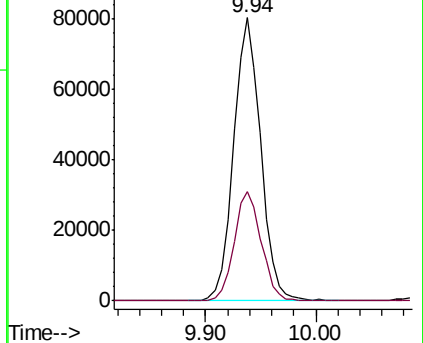
63 100

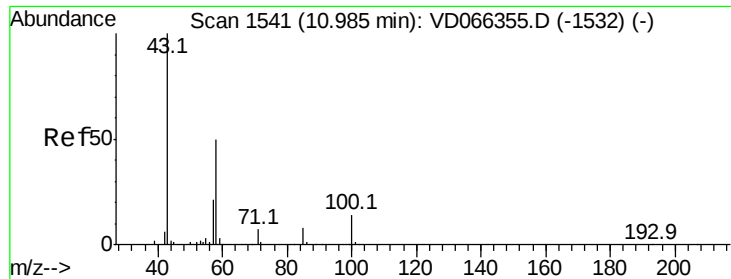
106 38.6 27.1 40.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

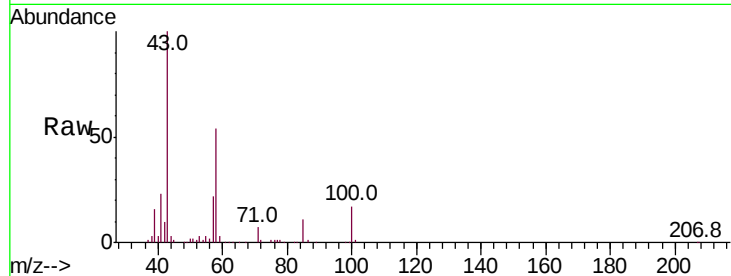




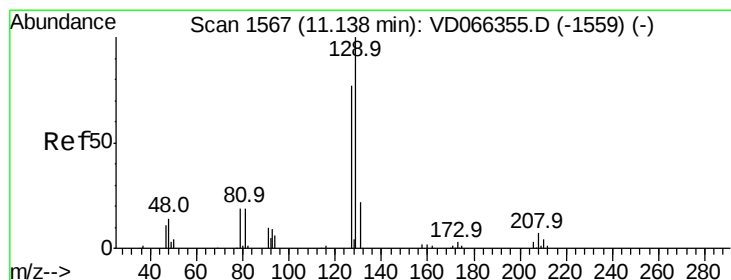
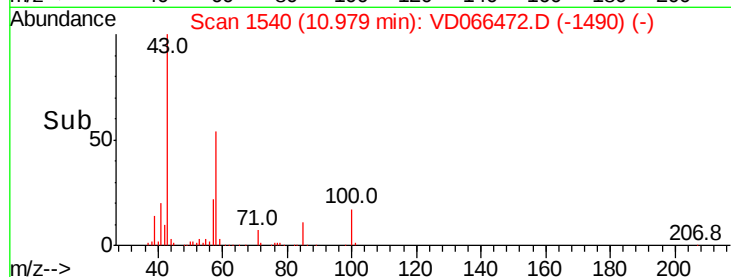
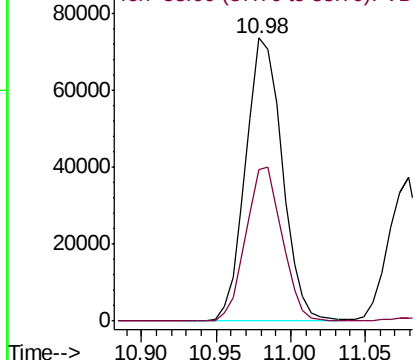
#59
2-Hexanone
Concen: 251.985 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 125813
Ion Ratio Lower Upper
43 100
58 54.0 26.3 78.8

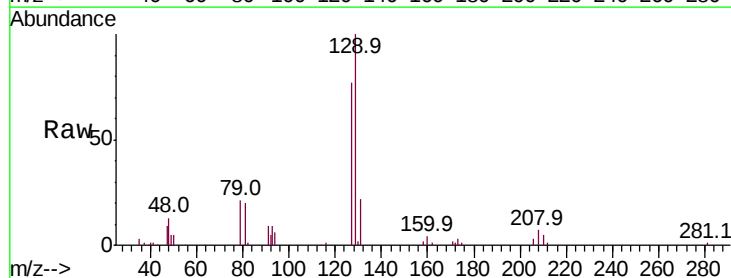


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

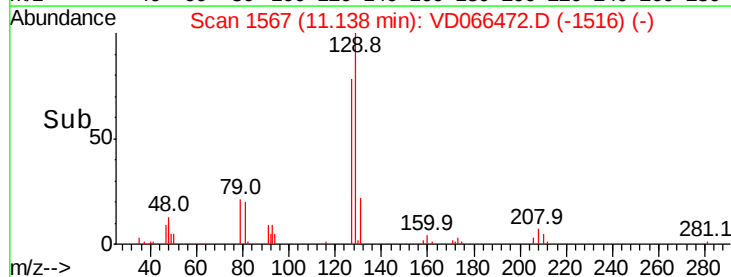
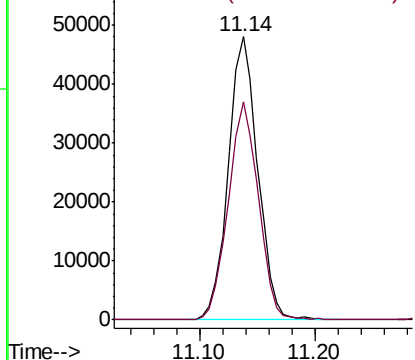


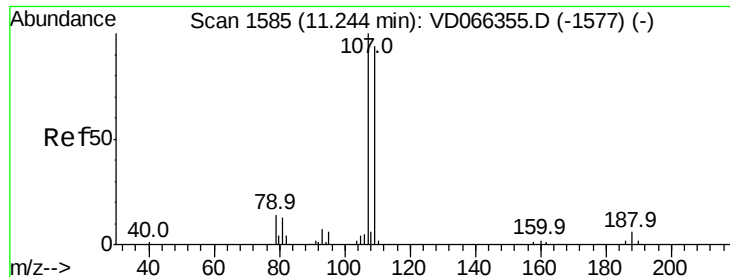
#60
Dibromochloromethane
Concen: 52.303 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion: 129 Resp: 84945
Ion Ratio Lower Upper
129 100
127 78.7 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

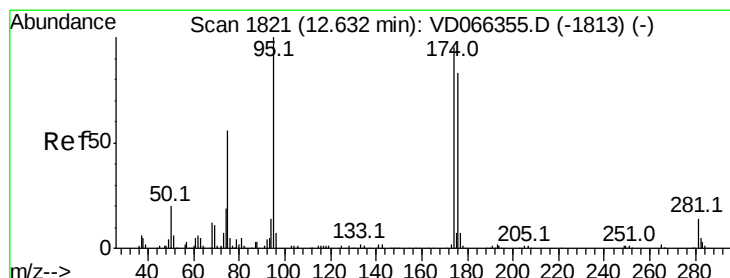
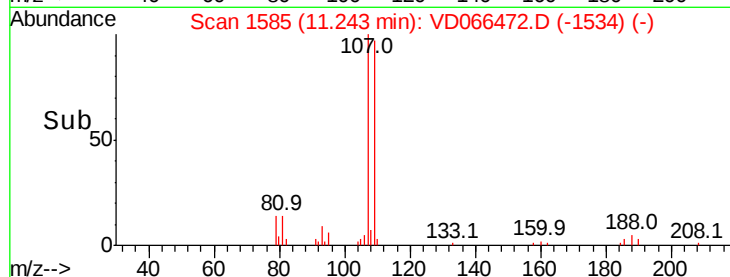
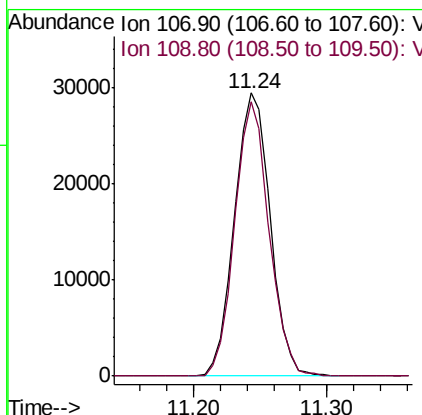
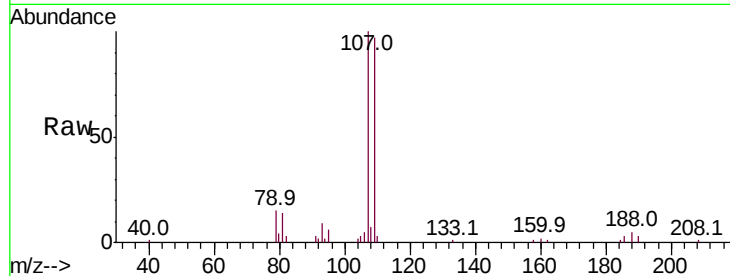




#61
 1,2-Dibromoethane
 Concen: 51.507 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

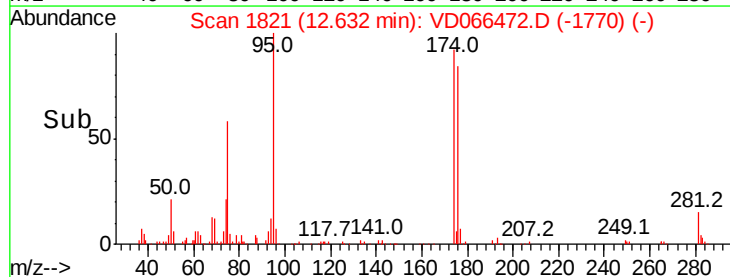
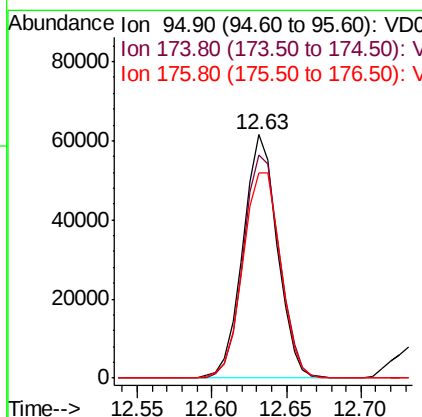
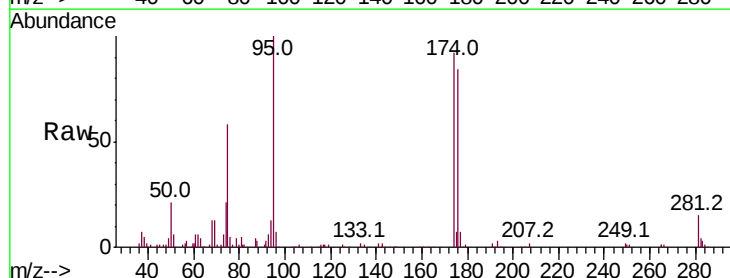
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

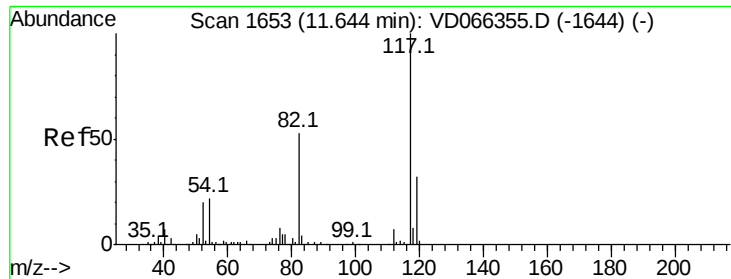
Tot Ion:107 Resp: 54615
 Ion Ratio Lower Upper
 107 100
 109 93.0 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 51.521 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

Tgt Ion: 95 Resp: 98257
 Ion Ratio Lower Upper
 95 100
 174 96.5 0.0 183.4
 176 92.5 0.0 173.8

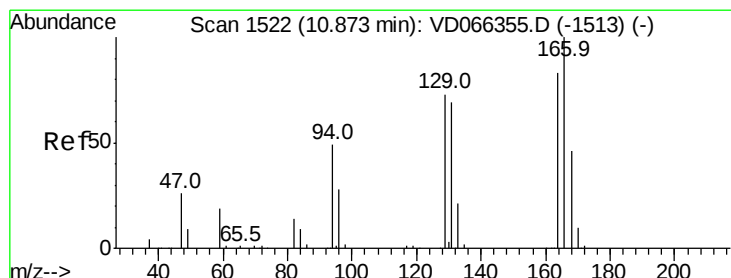
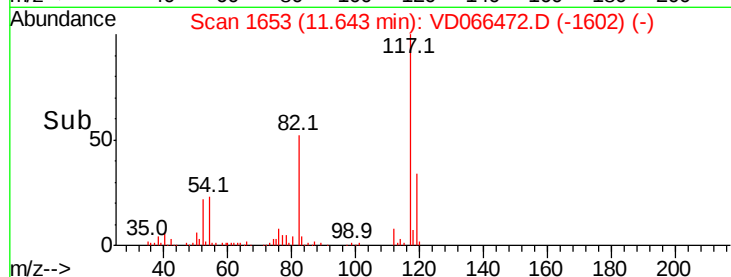
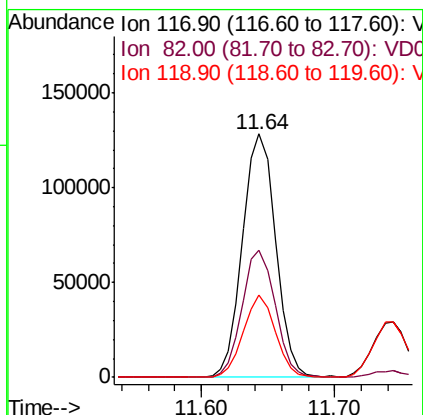
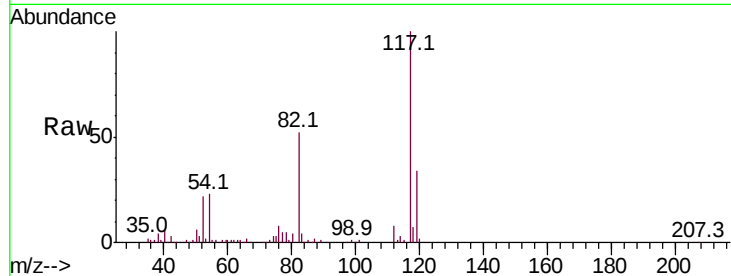




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

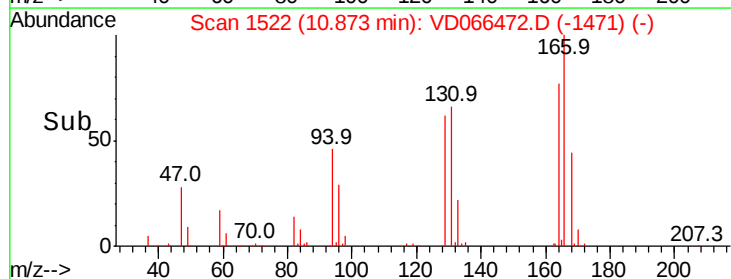
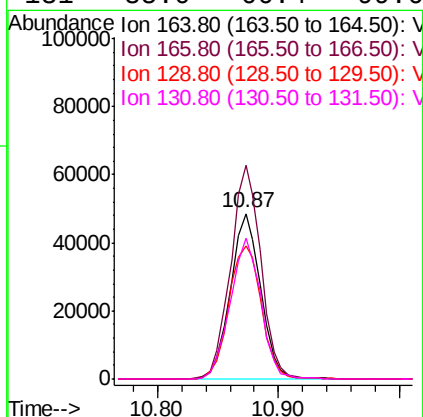
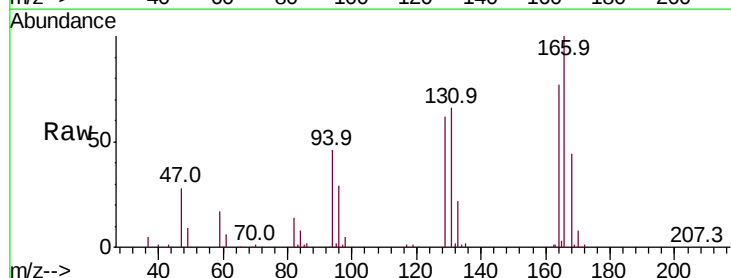
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

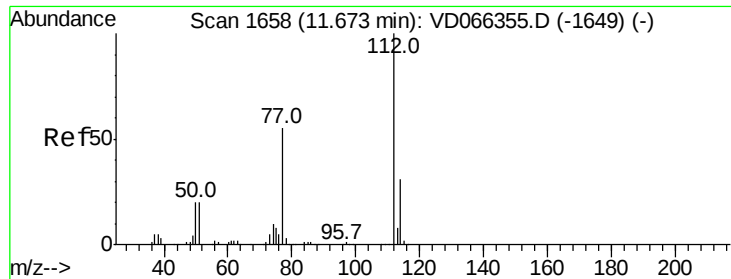
Tot Ion:117 Resp: 221090
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 34.0 25.8 38.8



#64
Tetrachloroethene
Concen: 50.585 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion:164 Resp: 84840
Ion Ratio Lower Upper
164 100
166 129.3 96.2 144.4
129 80.4 70.3 105.5
131 85.0 66.4 99.6

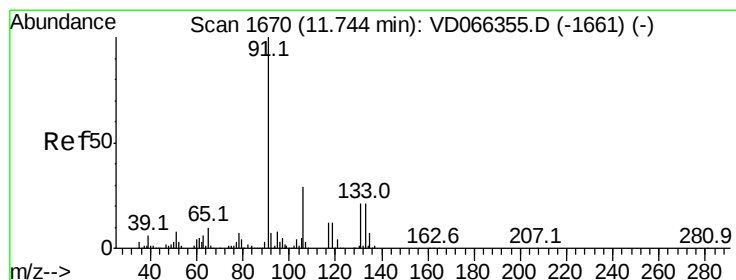
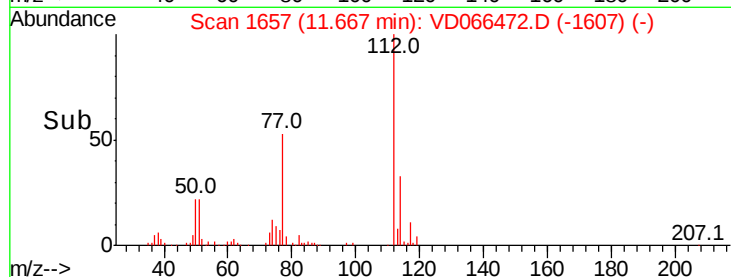
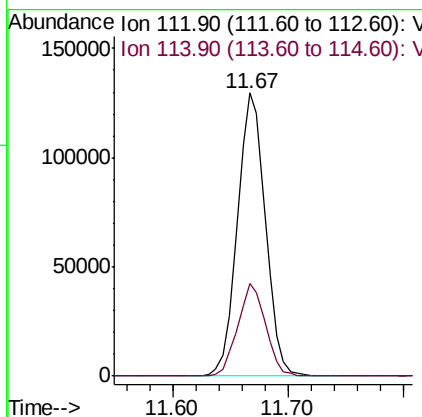
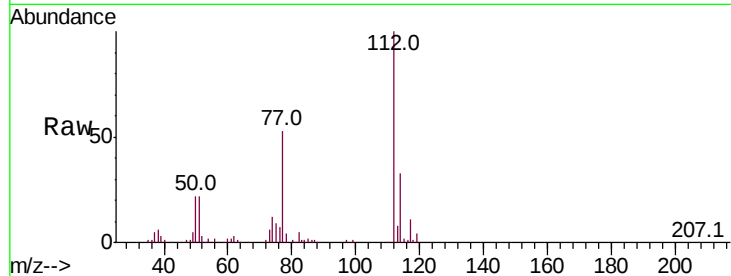




#65
Chlorobenzene
Concen: 49.368 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

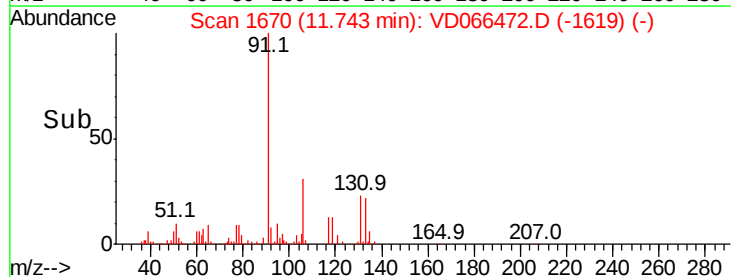
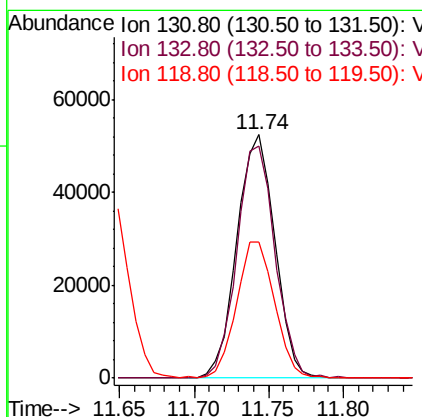
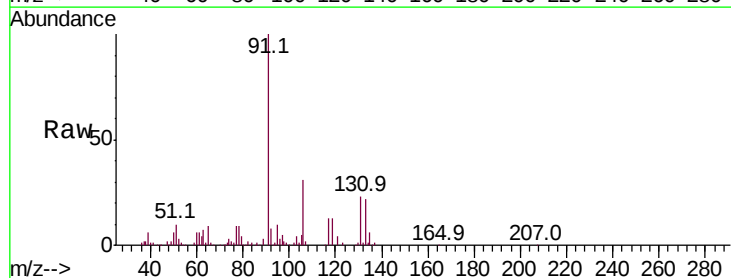
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

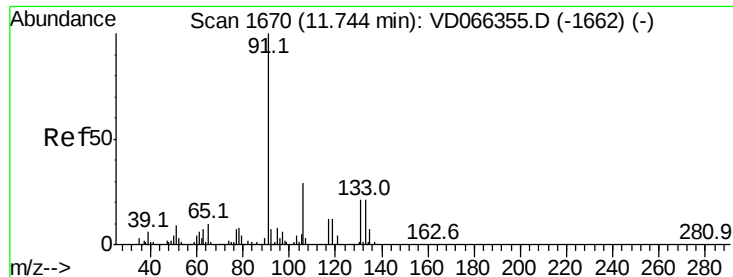
Tot Ion:112 Resp: 217149
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.605 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion:131 Resp: 92763
Ion Ratio Lower Upper
131 100
133 96.0 48.6 145.9
119 56.5 29.0 87.1





#67

Ethyl Benzene

Concen: 48.568 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

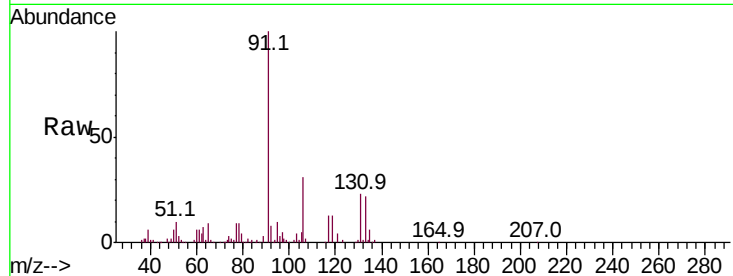
VSTDCCC050EC

Tot Ion: 91 Resp: 376044

Ion Ratio Lower Upper

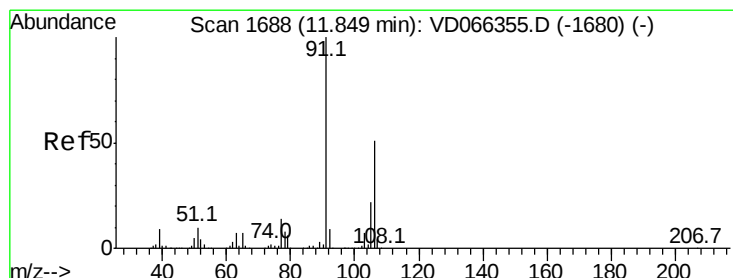
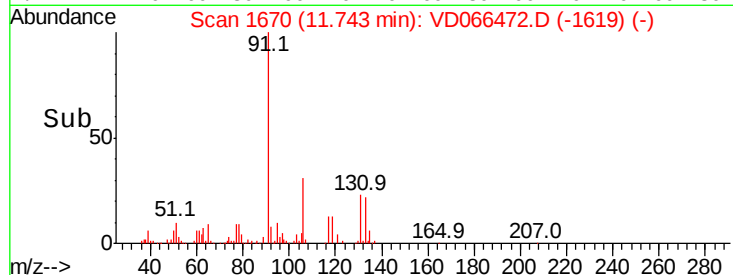
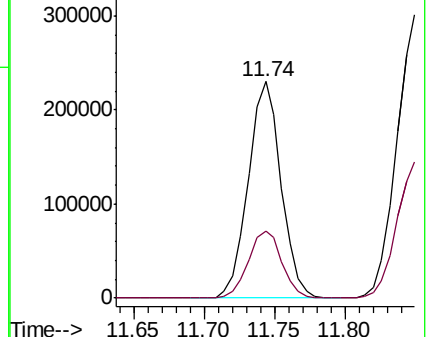
91 100

106 30.7 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 97.492 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066472.D

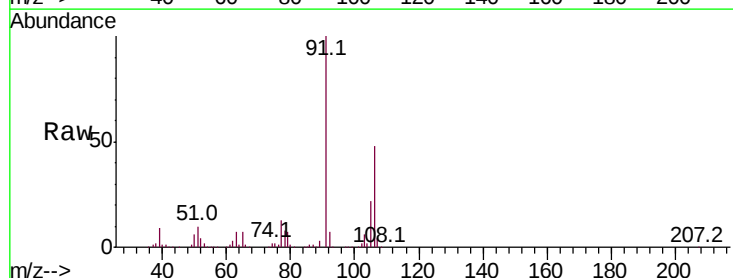
Acq: 28 Aug 2020 20:53

Tgt Ion:106 Resp: 287712

Ion Ratio Lower Upper

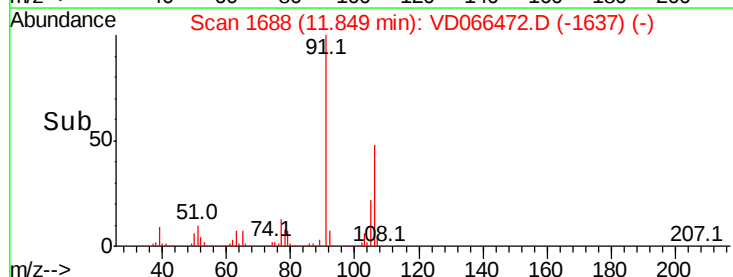
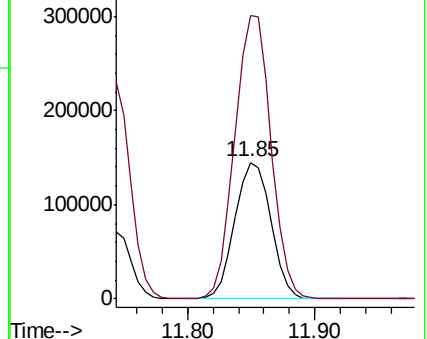
106 100

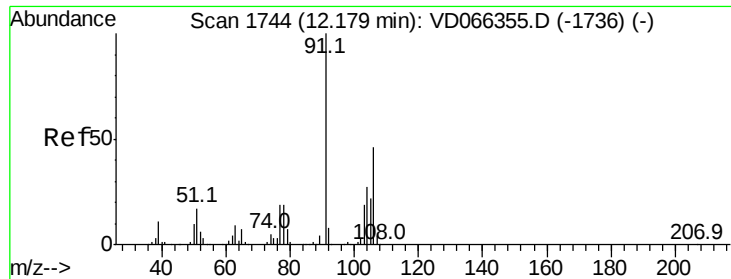
91 207.6 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

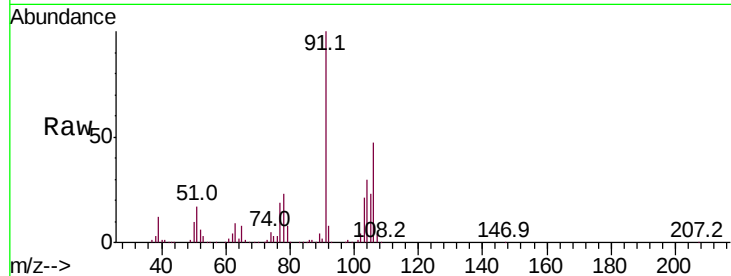




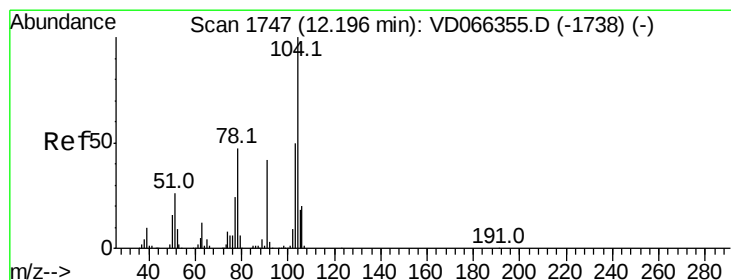
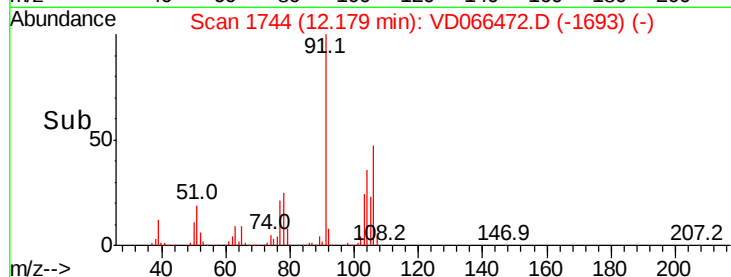
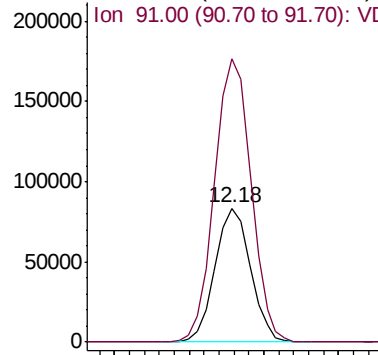
#69
o-Xylene
Concen: 50.210 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 137848
Ion Ratio Lower Upper
106 100
91 217.4 109.1 327.3

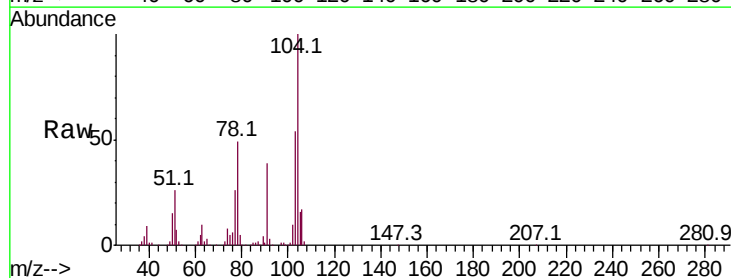


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

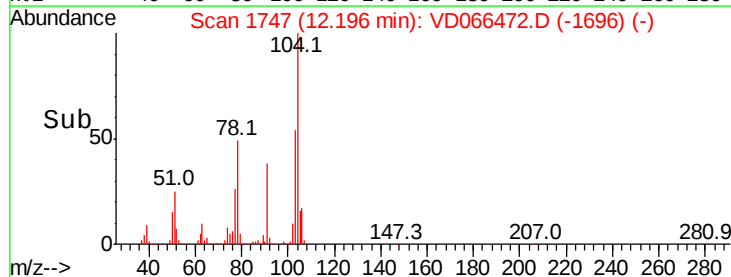
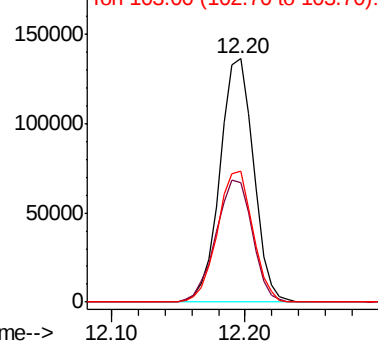


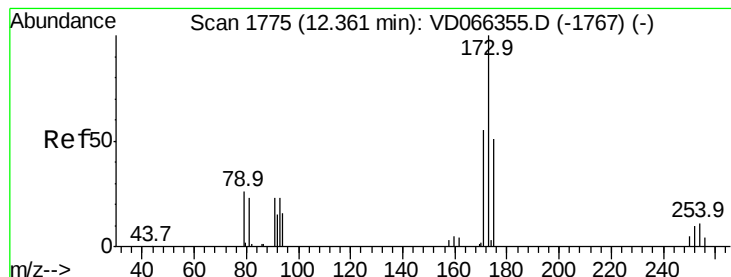
#70
Styrene
Concen: 50.300 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion:104 Resp: 237118
Ion Ratio Lower Upper
104 100
78 54.6 41.7 62.5
103 56.7 43.5 65.3



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





#71

Bromoform

Concen: 53.346 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

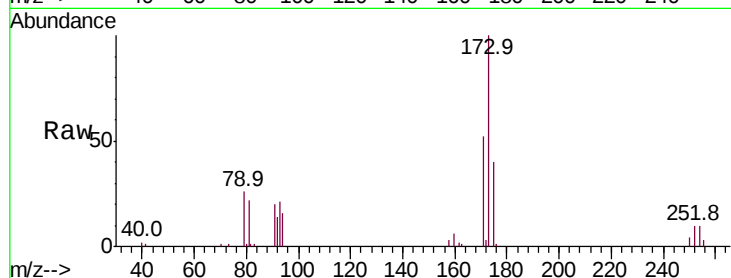
Tot Ion:173 Resp: 54404

Ion Ratio Lower Upper

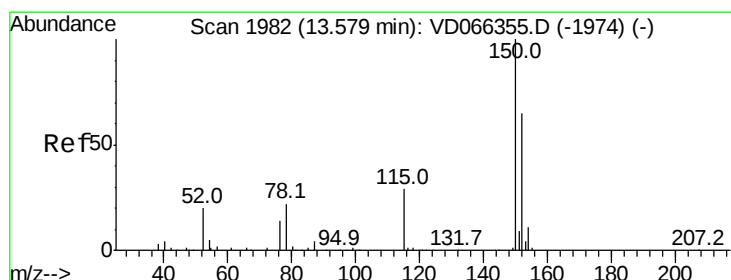
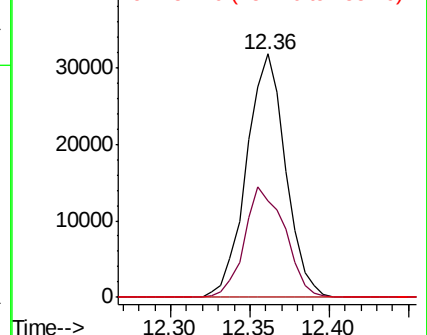
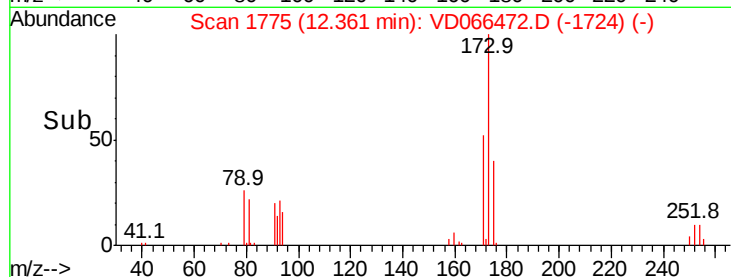
173 100

175 46.9 24.8 74.3

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: VD066472.D

Acq: 28 Aug 2020 20:53

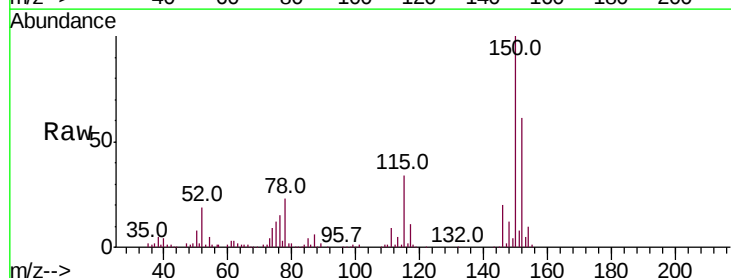
Tgt Ion:152 Resp: 116535

Ion Ratio Lower Upper

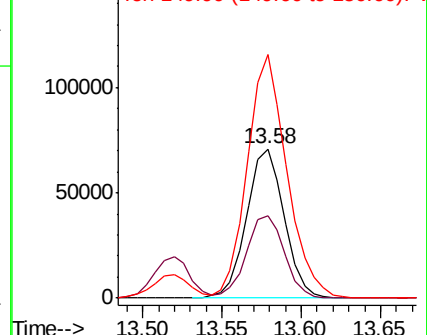
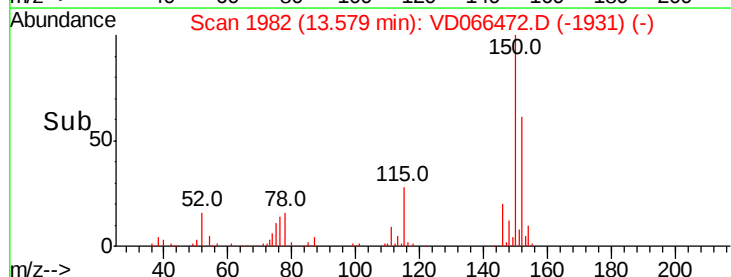
152 100

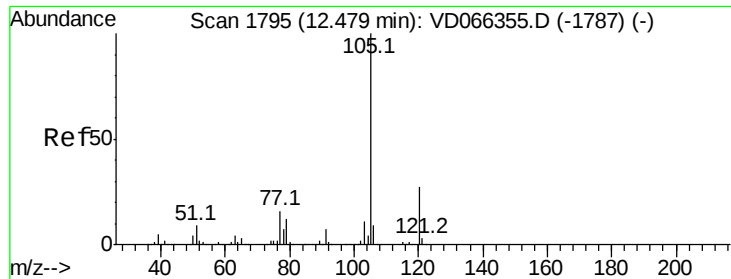
115 56.1 28.3 85.0

150 172.0 0.0 343.2



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





#73

Isopropylbenzene

Concen: 48.316 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

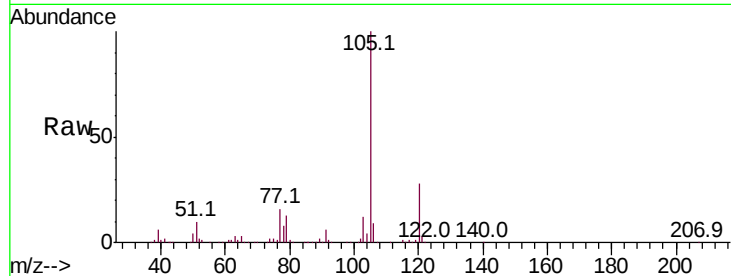
VSTDCCC050EC

Tot Ion:105 Resp: 377181

Ion Ratio Lower Upper

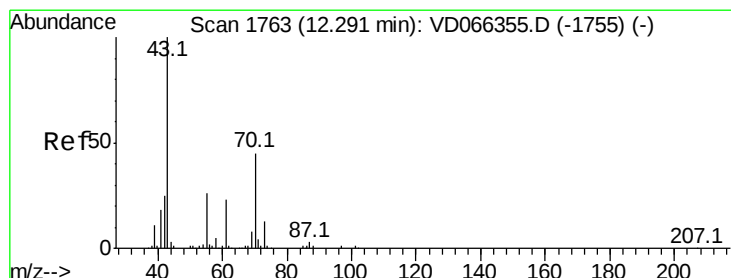
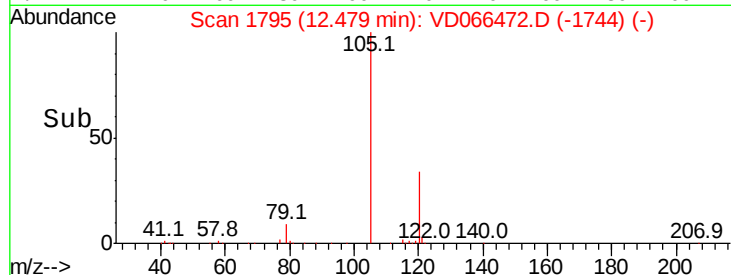
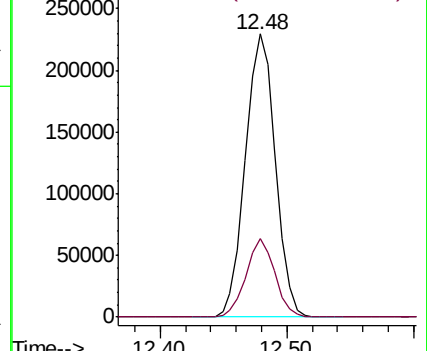
105 100

120 26.6 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.619 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Tgt Ion: 43 Resp: 67141

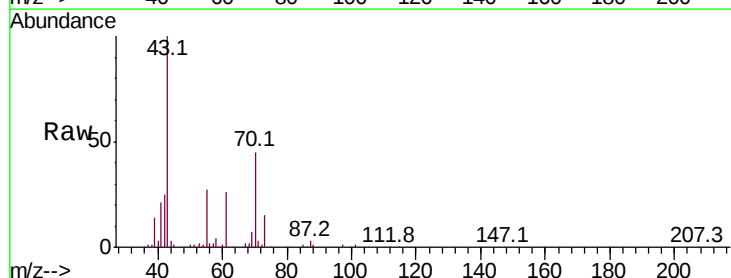
Ion Ratio Lower Upper

43 100

70 44.3 34.8 52.2

55 25.8 20.3 30.5

61 24.6 19.0 28.6

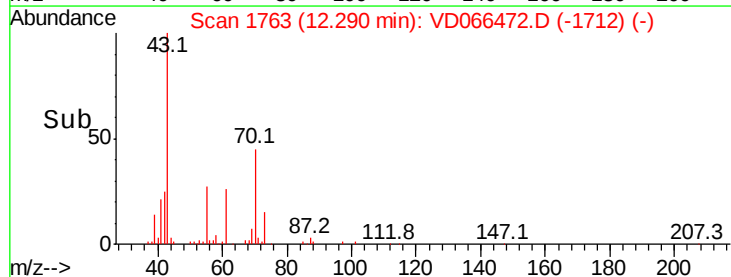
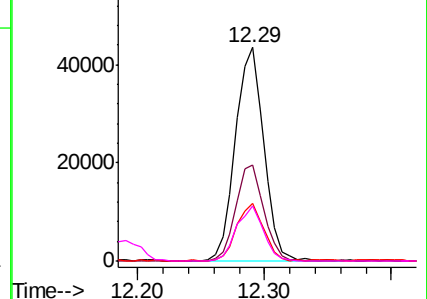


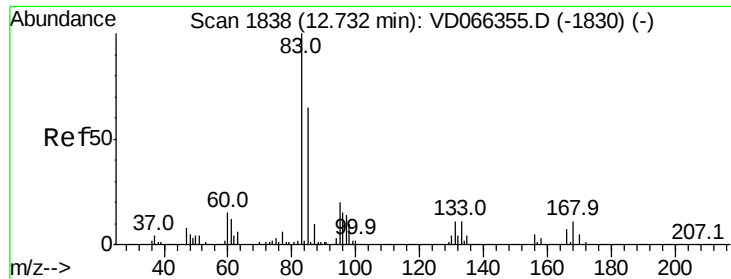
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.916 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

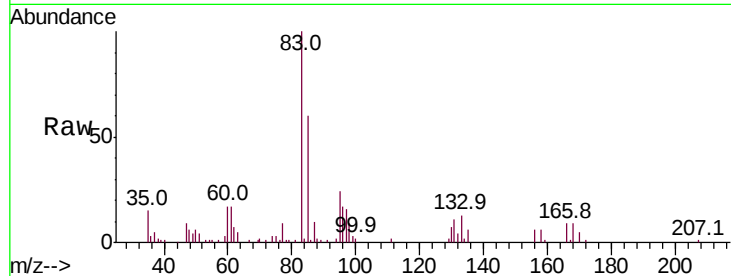
Tot Ion: 83 Resp: 52321

Ion Ratio Lower Upper

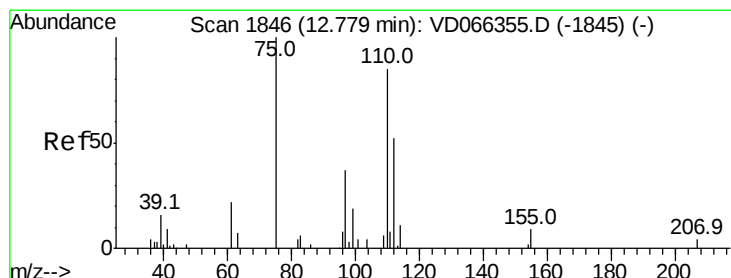
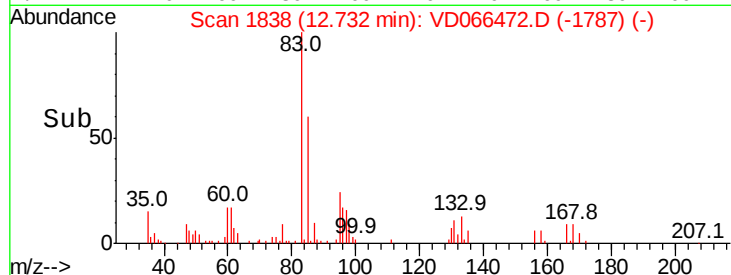
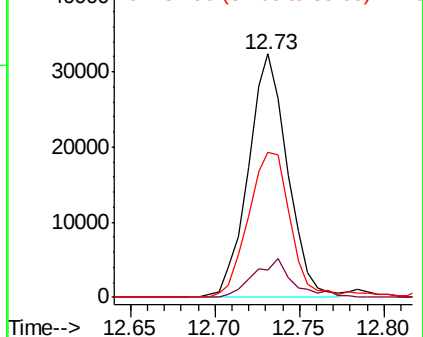
83 100

131 15.8 7.0 20.9

85 63.4 32.4 97.0



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: 95.299 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066472.D

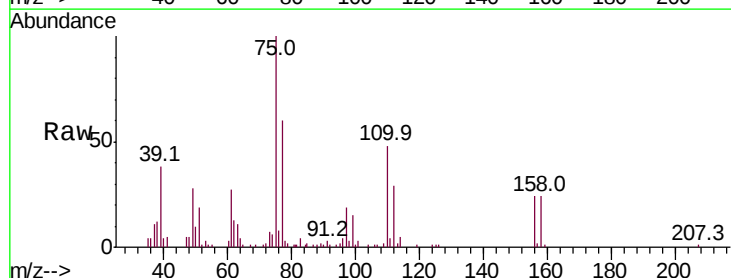
Acq: 28 Aug 2020 20:53

Tgt Ion: 75 Resp: 78129

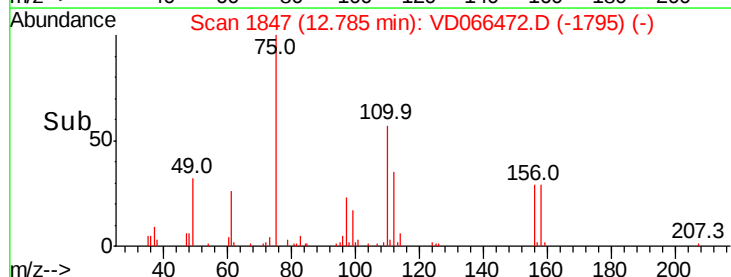
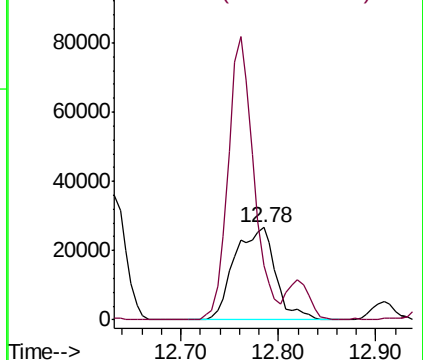
Ion Ratio Lower Upper

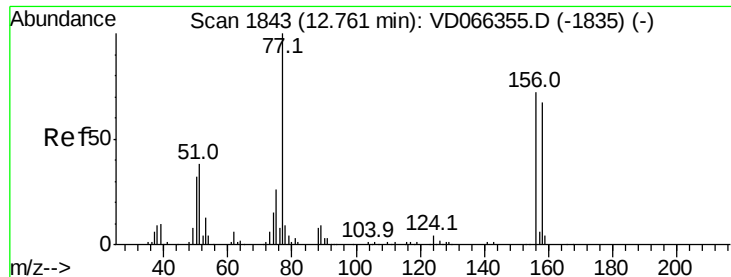
75 100

77 0.0 182.9 548.9#



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





#77

Bromobenzene

Concen: 50.509 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

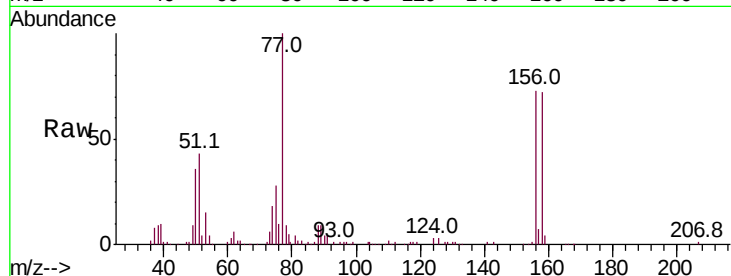
Tot Ion:156 Resp: 100079

Ion Ratio Lower Upper

156 100

77 150.3 76.1 228.3

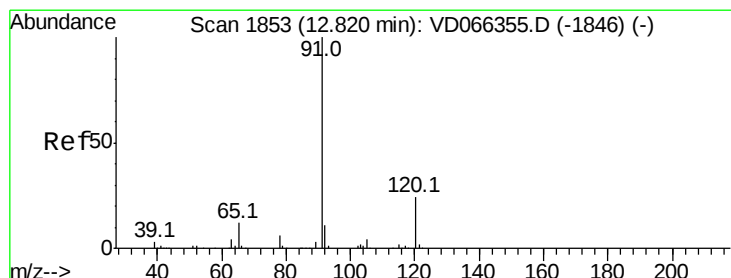
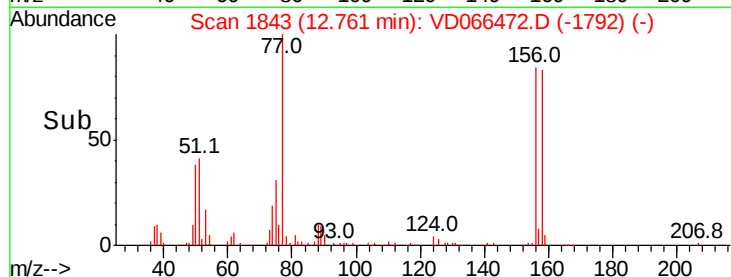
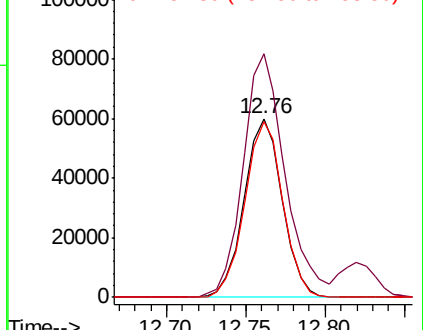
158 98.1 47.6 142.9



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: 46.666 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066472.D

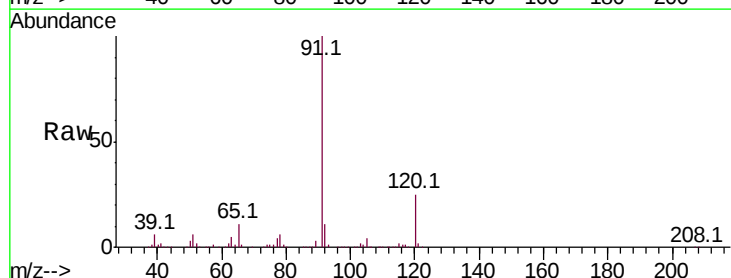
Acq: 28 Aug 2020 20:53

Tgt Ion: 91 Resp: 417711

Ion Ratio Lower Upper

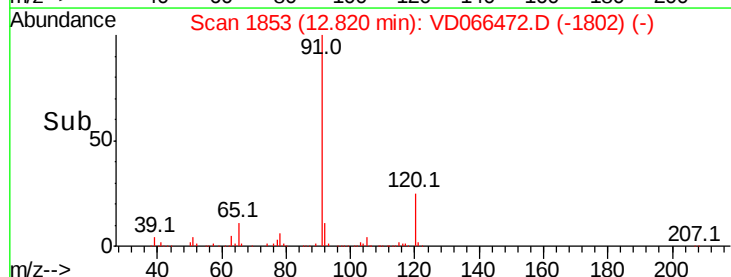
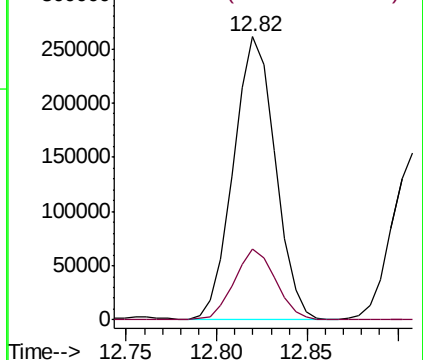
91 100

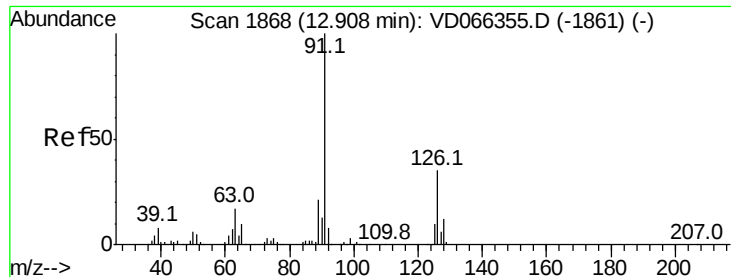
120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.765 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

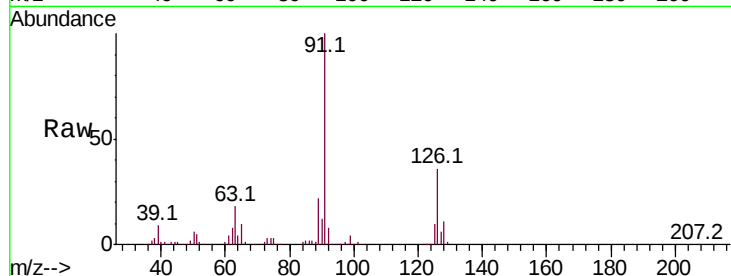
VSTDCCC050EC

Tot Ion: 91 Resp: 249300

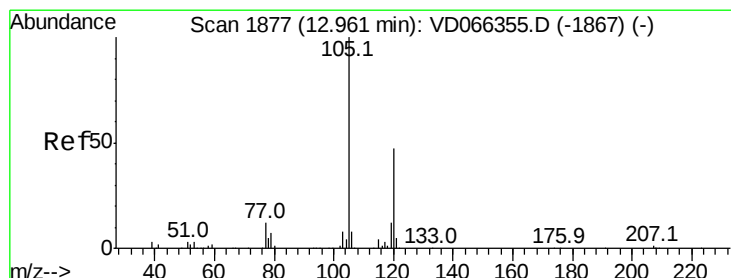
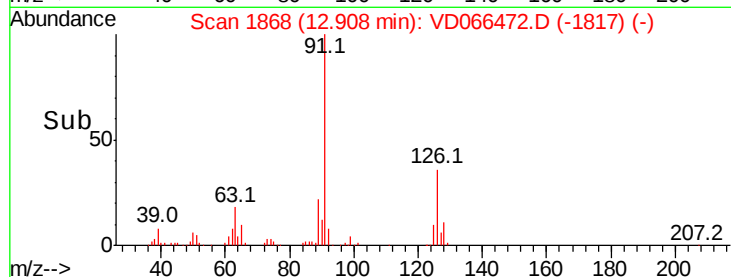
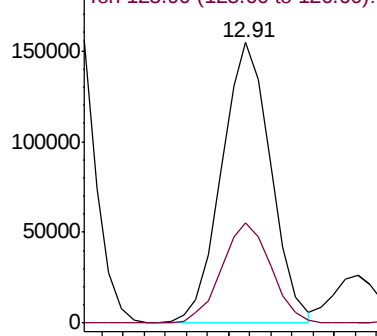
Ion Ratio Lower Upper

91 100

126 36.0 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 49.373 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066472.D

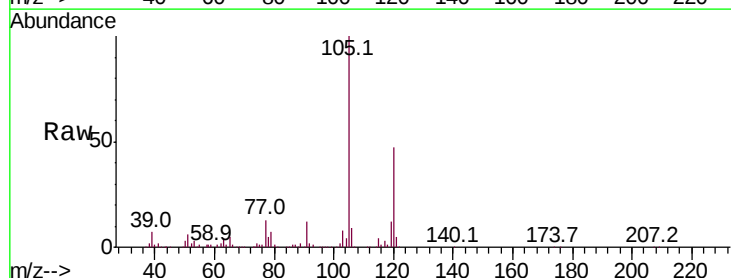
Acq: 28 Aug 2020 20:53

Tgt Ion:105 Resp: 332793

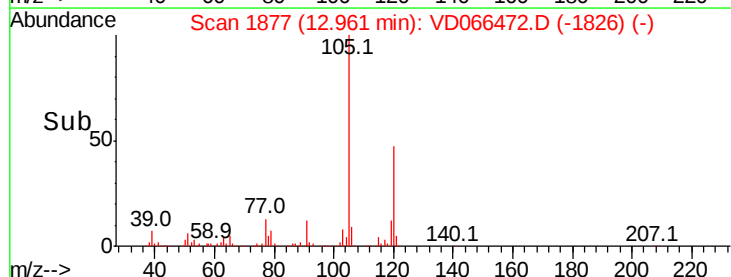
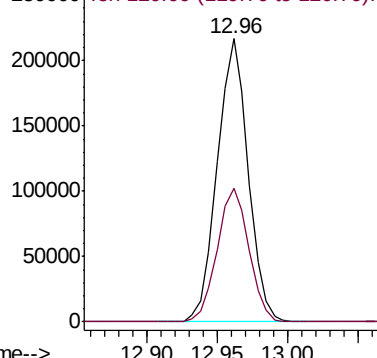
Ion Ratio Lower Upper

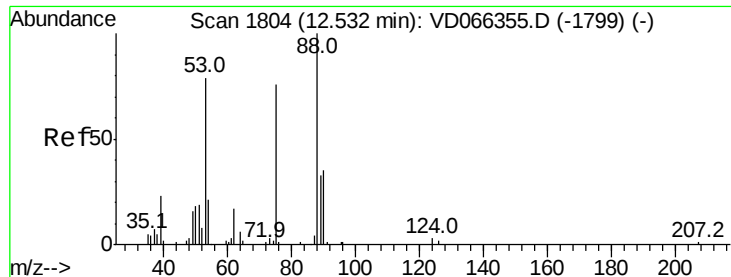
105 100

120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.197 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

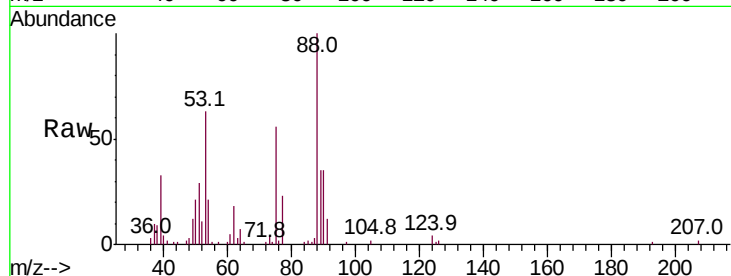
Tot Ion: 75 Resp: 17070

Ion Ratio Lower Upper

75 100

53 130.6 87.4 131.2

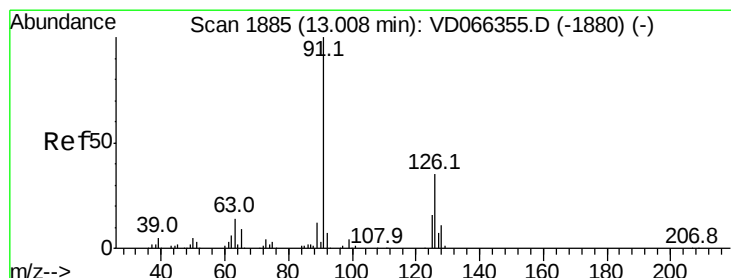
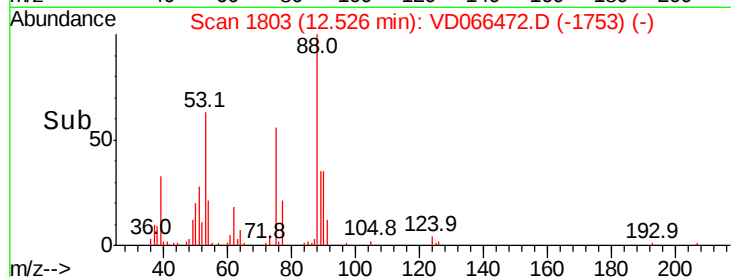
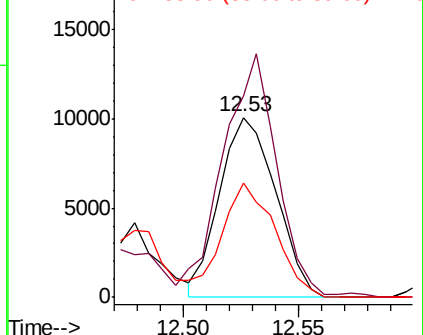
89 59.9 39.4 59.0#



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: 48.137 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066472.D

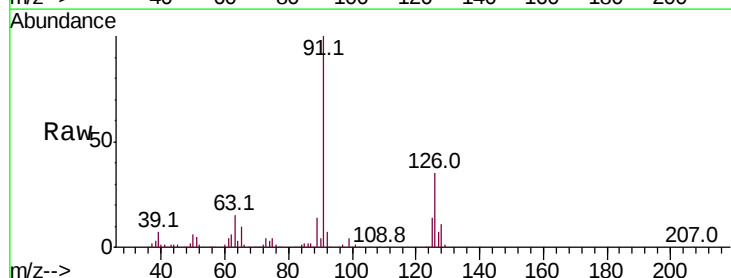
Acq: 28 Aug 2020 20:53

Tgt Ion: 91 Resp: 260728

Ion Ratio Lower Upper

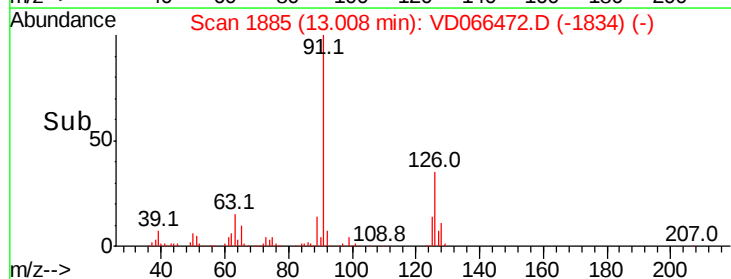
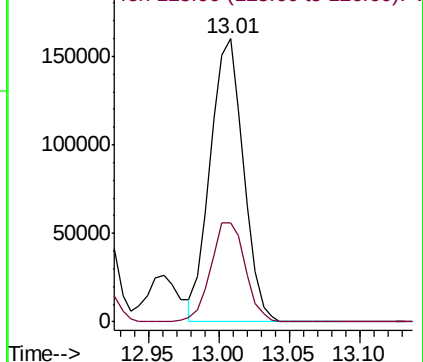
91 100

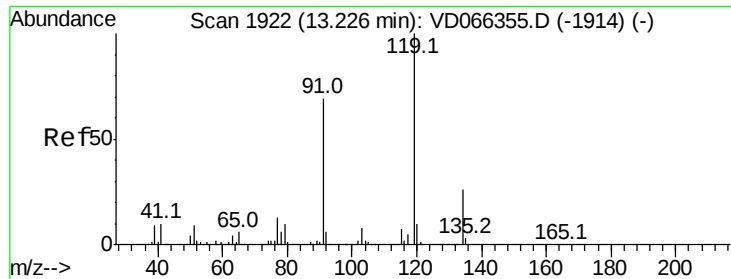
126 36.3 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

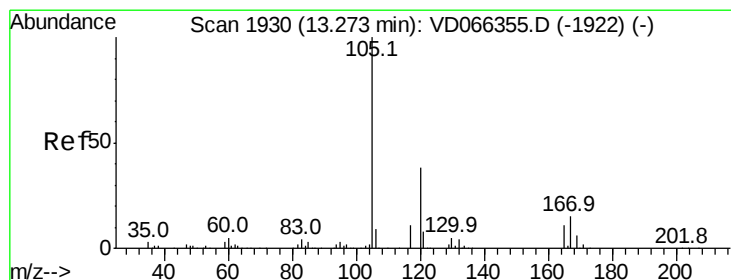
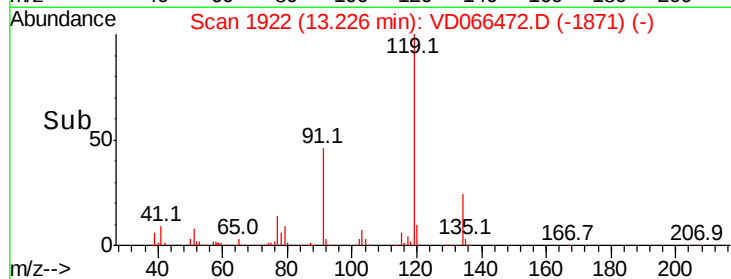
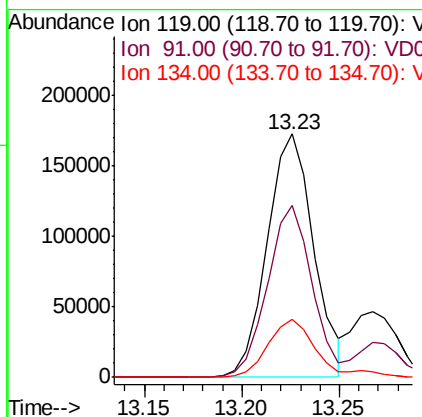
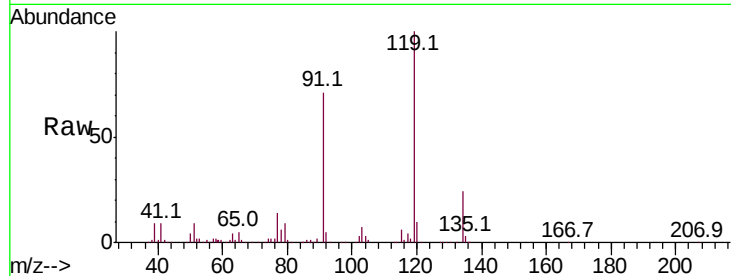




#83
tert-Butylbenzene
Concen: 48.738 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

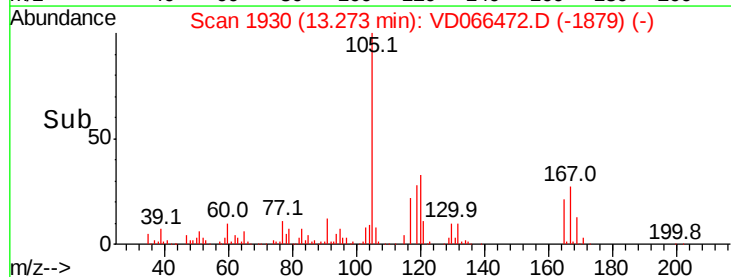
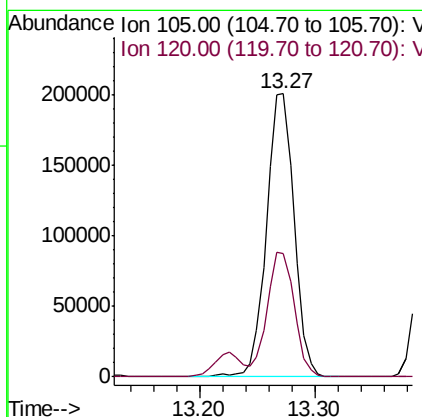
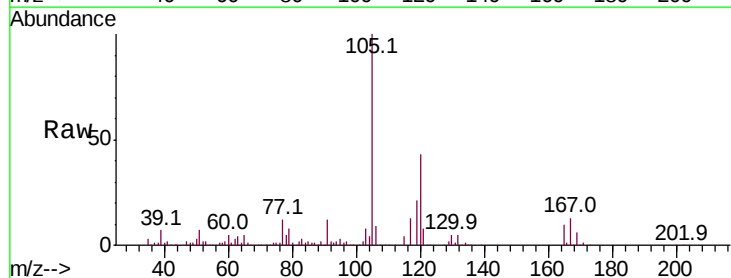
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

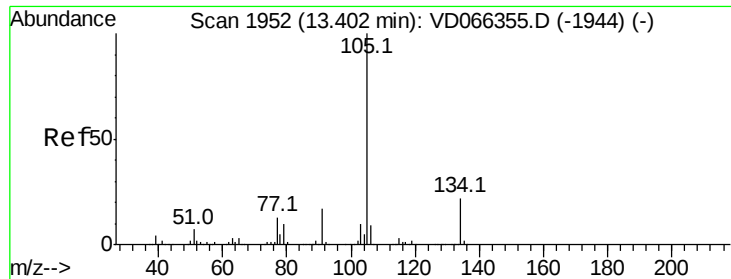
Tot Ion:119 Resp: 285338
Ion Ratio Lower Upper
119 100
91 67.4 33.5 100.5
134 23.5 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 50.728 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion:105 Resp: 335838
Ion Ratio Lower Upper
105 100
120 43.2 22.6 67.7





#85

sec-Butylbenzene

Concen: 46.779 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

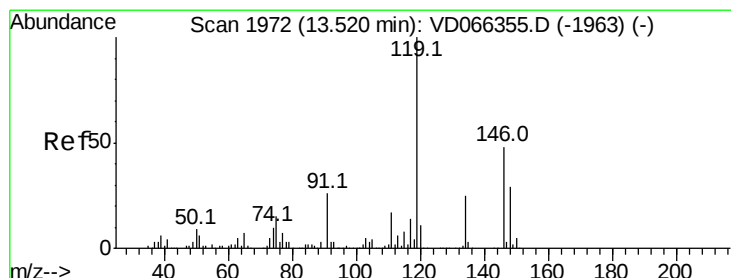
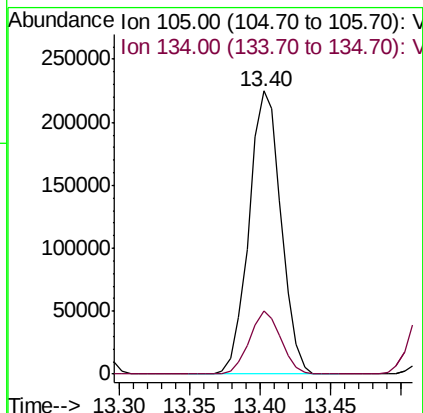
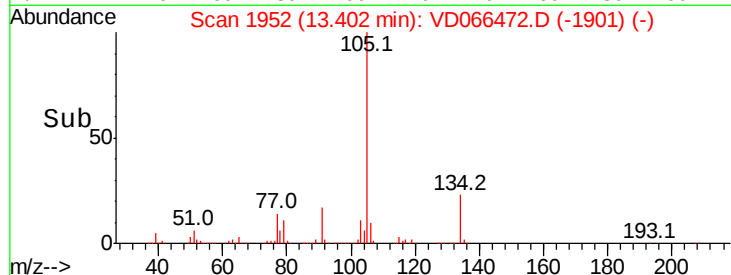
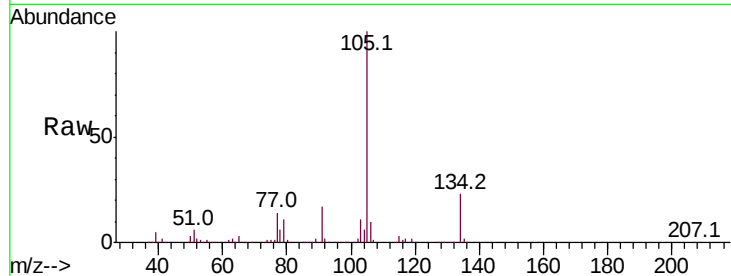
VSTDCCC050EC

Tot Ion:105 Resp: 358824

Ion Ratio Lower Upper

105 100

134 21.8 10.8 32.4



#86

p-Isopropyltoluene

Concen: 48.254 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

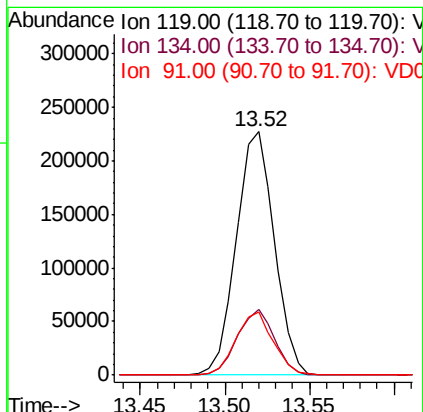
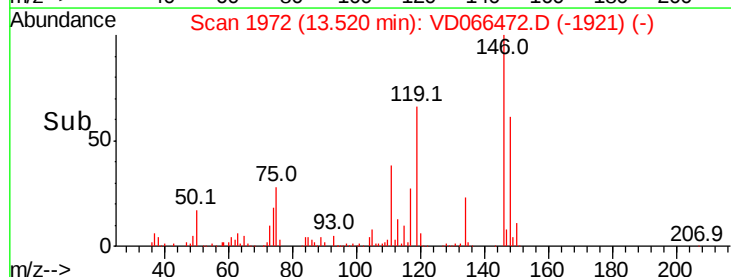
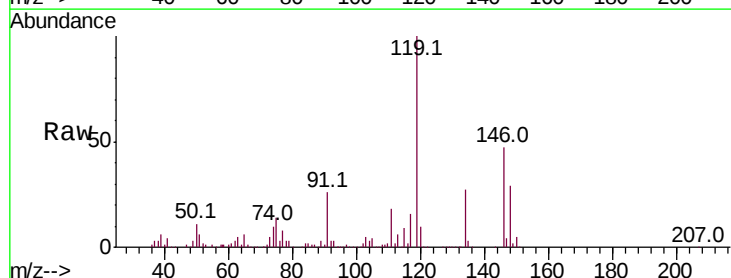
Tgt Ion:119 Resp: 356904

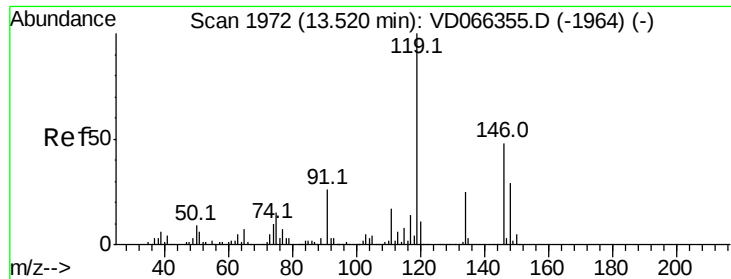
Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.3

91 25.2 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 48.927 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

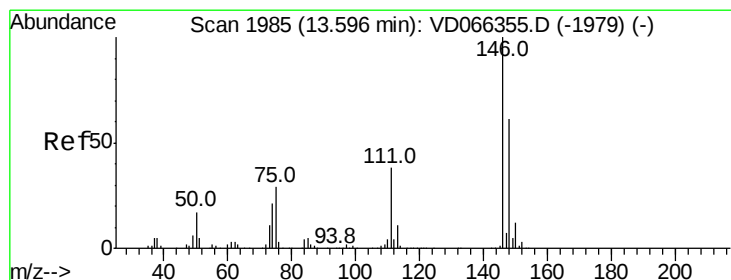
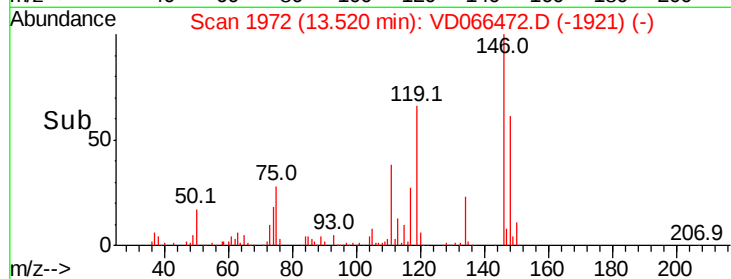
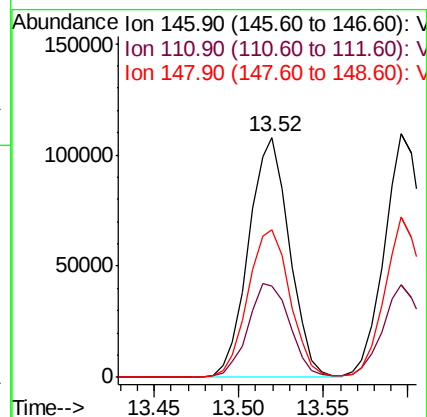
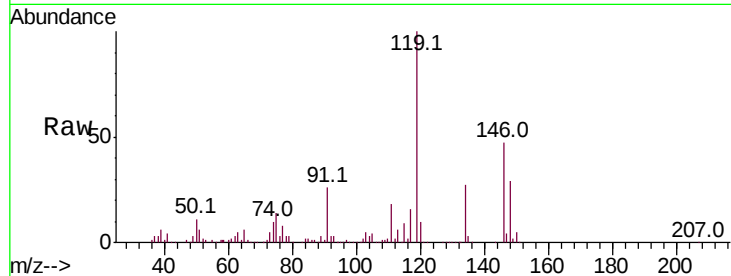
Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 180964

Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.9	56.9
148	63.8	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 48.249 ug/l

RT: 13.60 min Scan# 1985

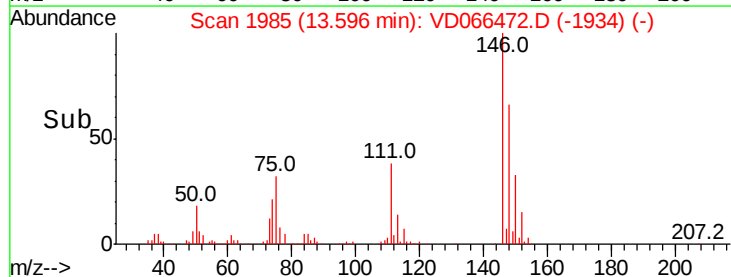
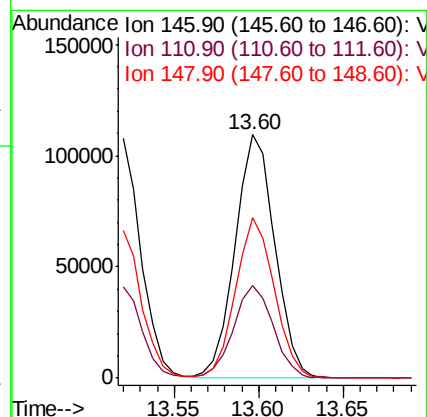
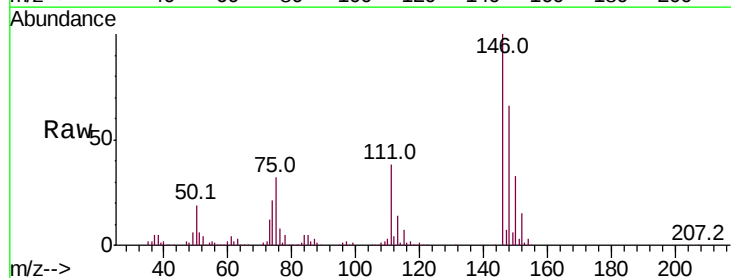
Delta R.T. -0.00 min

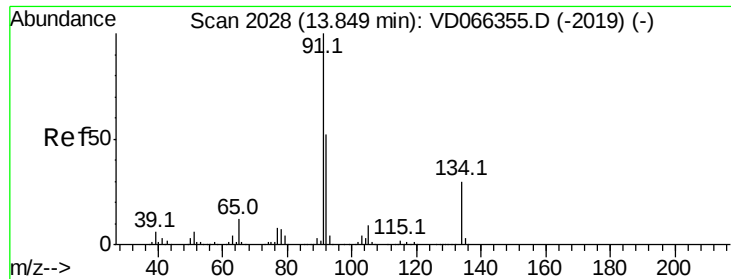
Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Tgt Ion:146 Resp: 179182

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	64.5	32.1	96.3

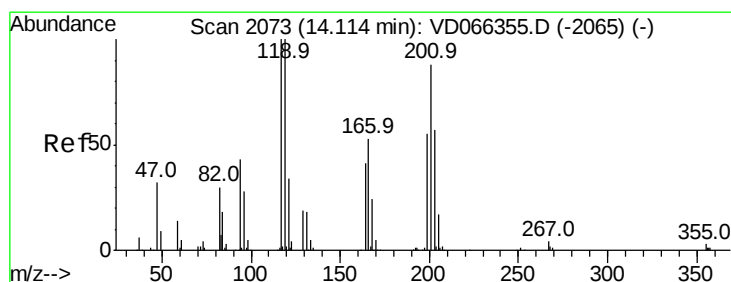
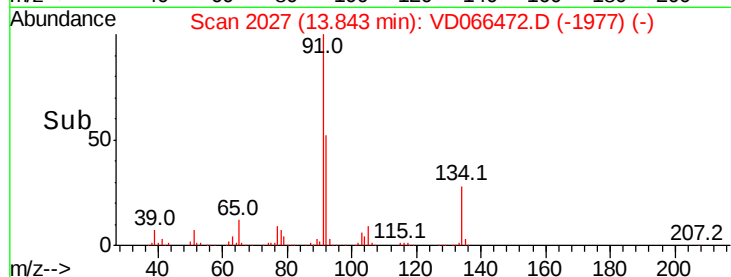
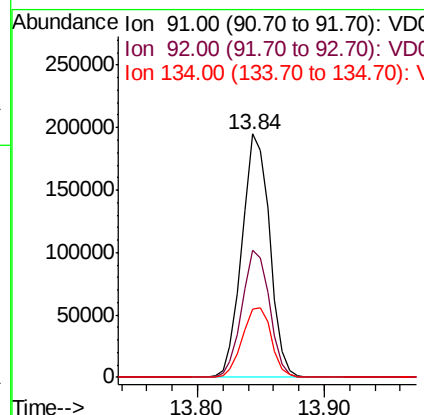
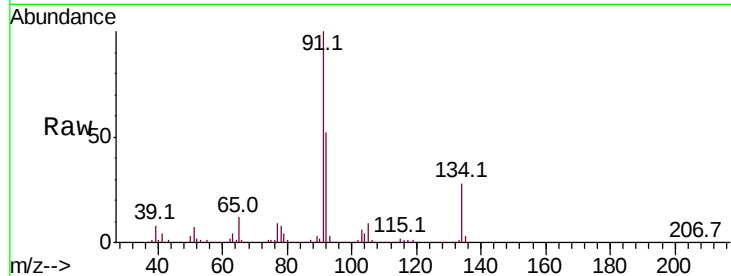




#89
n-Butylbenzene
Concen: 45.133 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

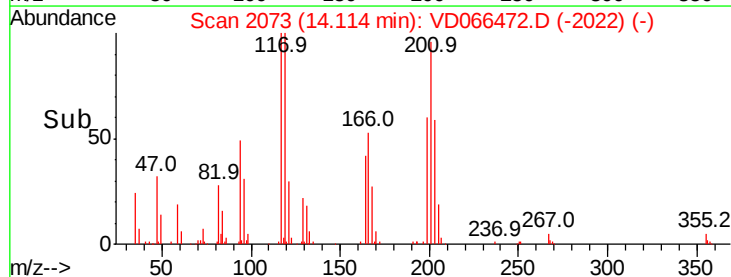
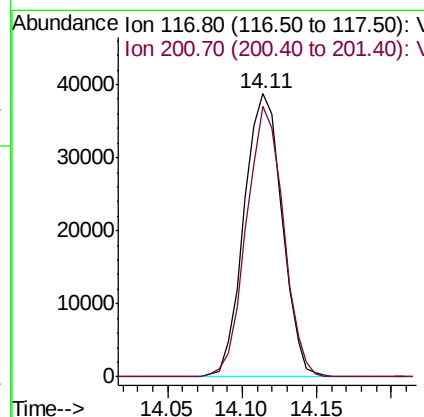
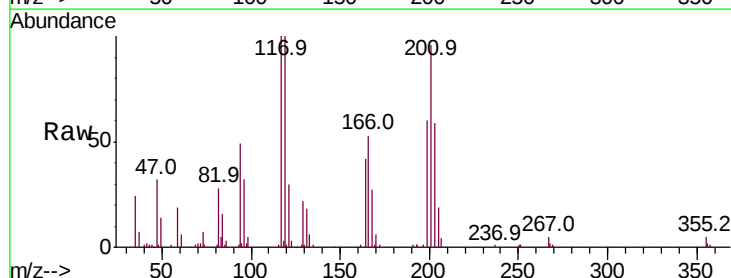
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

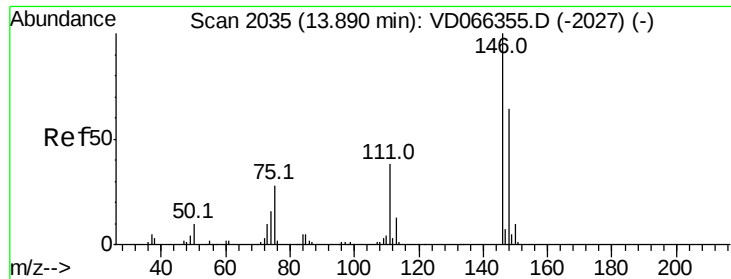
Tot Ion: 91 Resp: 294580
Ion Ratio Lower Upper
91 100
92 51.8 26.4 79.0
134 30.0 14.4 43.4



#90
Hexachloroethane
Concen: 46.792 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066472.D
Acq: 28 Aug 2020 20:53

Tgt Ion: 117 Resp: 68367
Ion Ratio Lower Upper
117 100
201 92.9 45.4 136.2

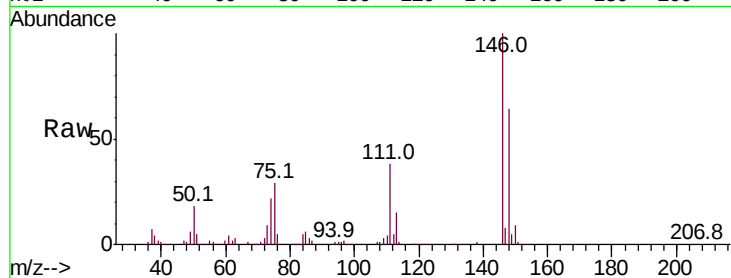




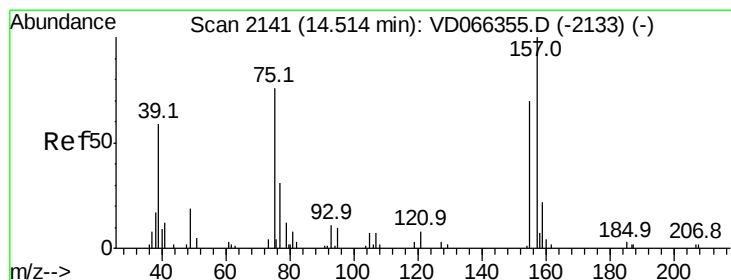
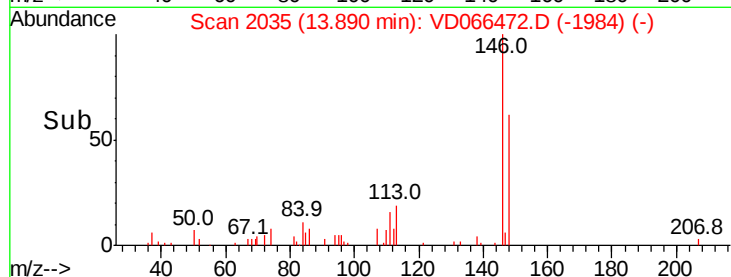
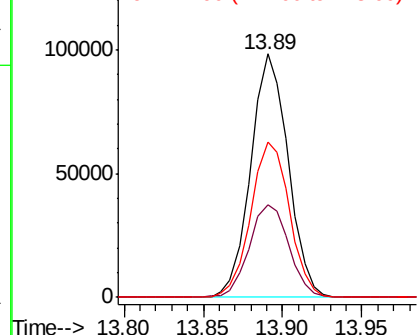
#91
 1,2-Dichlorobenzene
 Concen: 50.677 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.9	59.7
148	66.2	32.6	97.8

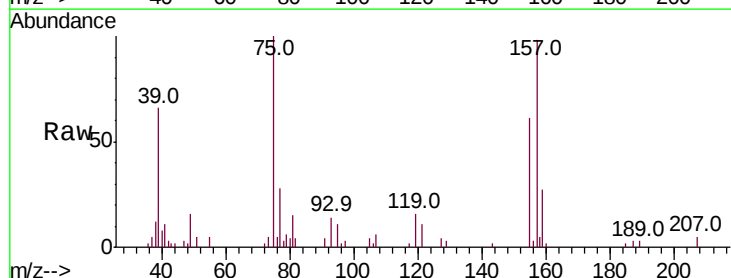


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

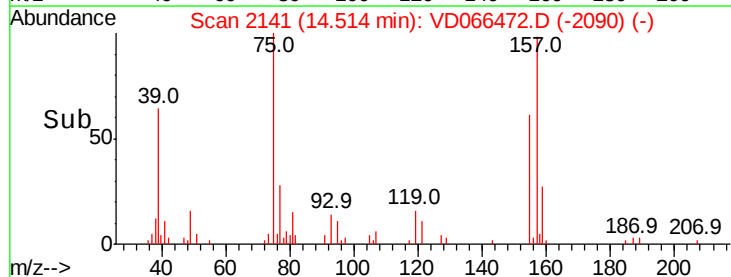
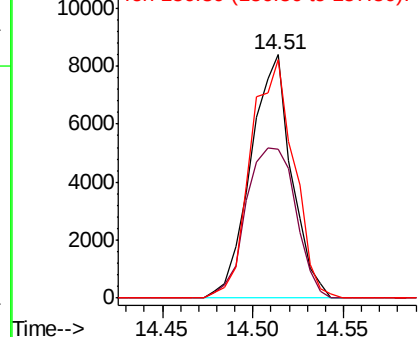


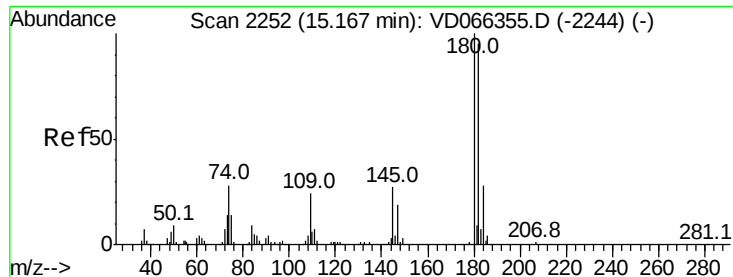
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.350 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	46.9	140.6
157	103.4	61.0	183.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

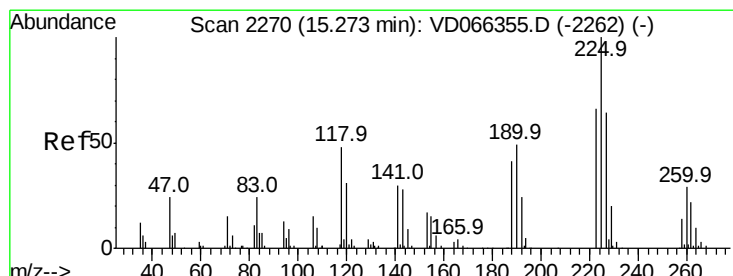
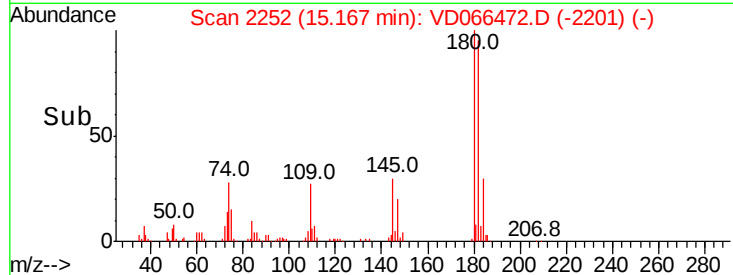
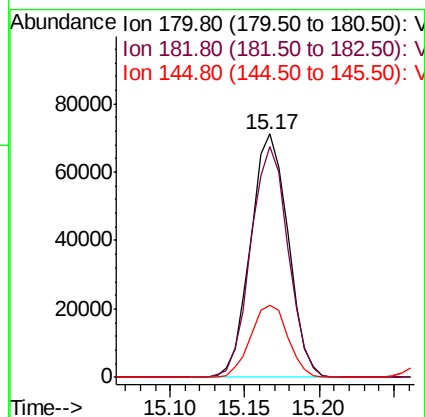
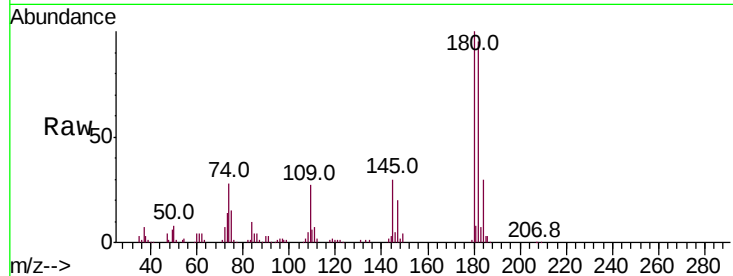




#93
 1,2,4-Trichlorobenzene
 Concen: 49.804 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

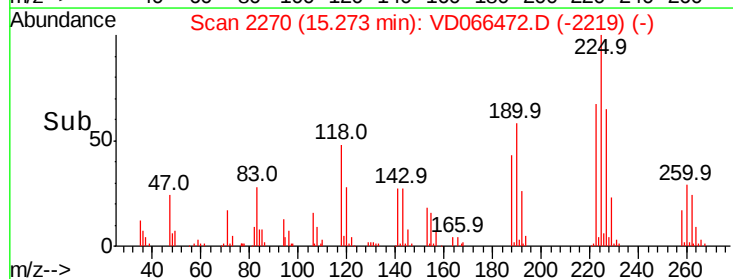
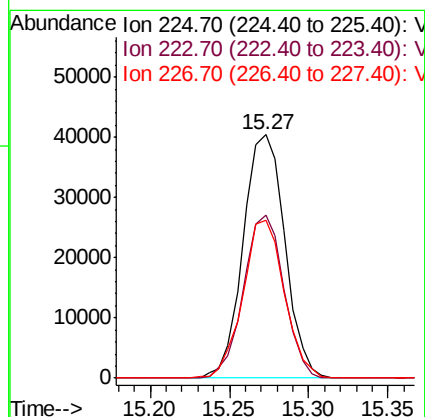
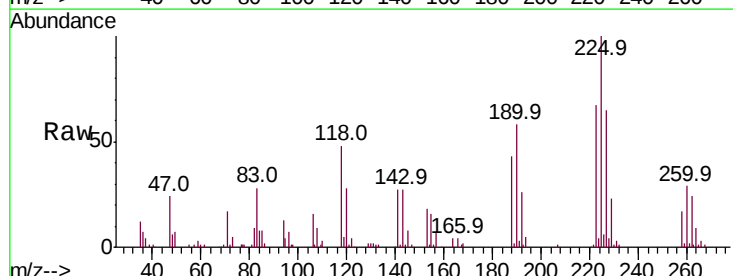
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

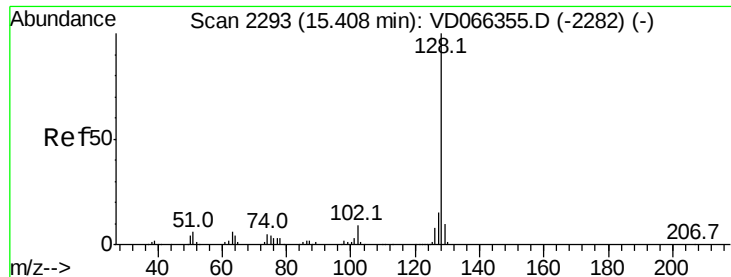
Tot Ion:180	Resp:	123800
Ion Ratio	Lower	Upper
180	100	
182	94.1	48.0 144.0
145	29.6	15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 47.869 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066472.D
 Acq: 28 Aug 2020 20:53

Tgt Ion:225	Resp:	73945
Ion Ratio	Lower	Upper
225	100	
223	64.6	32.5 97.4
227	64.5	33.0 98.9





#95

Naphthalene

Concen: 54.497 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

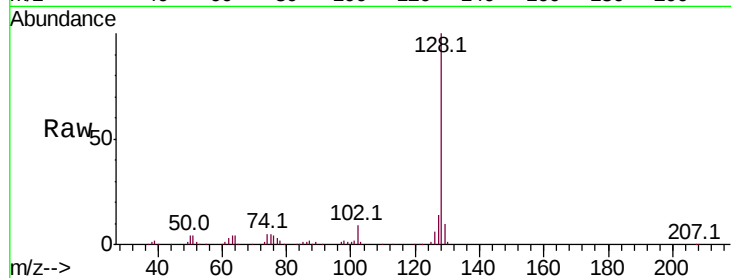
Tot Ion:128 Resp: 212767

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

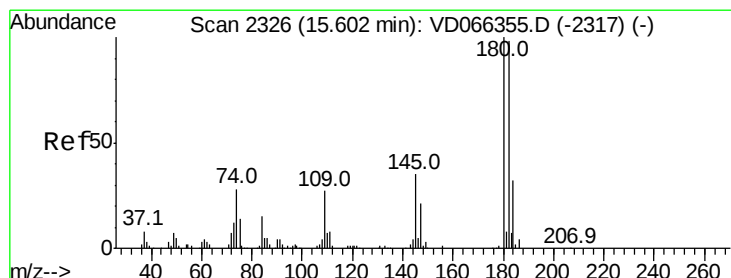
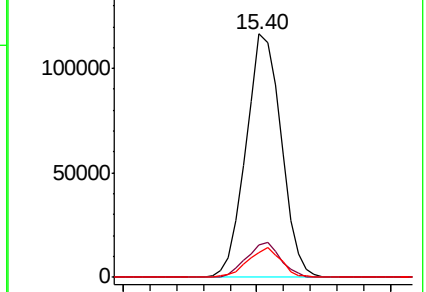
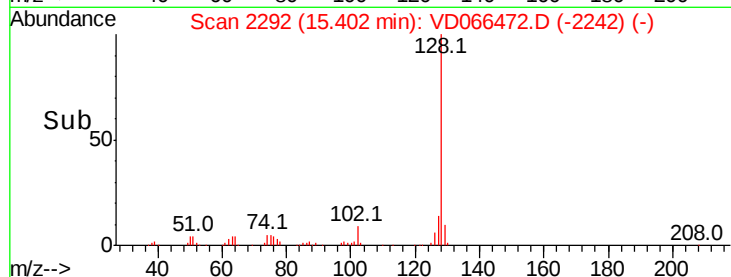
129 11.4 8.6 12.8



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: 52.229 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066472.D

Acq: 28 Aug 2020 20:53

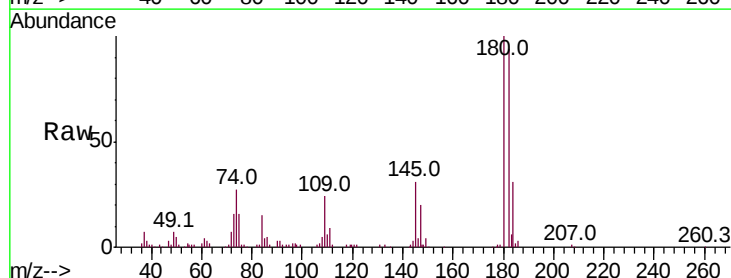
Tgt Ion:180 Resp: 111215

Ion Ratio Lower Upper

180 100

182 95.0 46.7 140.0

145 31.6 16.0 48.0



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

