

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062307.D
 Acq On : 13 May 2019 16:21
 Operator : FY/SY
 Sample : K2734-04MS
 Misc : 2.99g/5mL/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

Quant Time: May 14 05:10:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	468068	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	555954	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	376528	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	127153	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	256788	59.03	ug/l	0.04
Spiked Amount			Recovery	=	118.06%	
35) Dibromofluoromethane	6.95	113	289606	62.78	ug/l	0.05
Spiked Amount			Recovery	=	125.56%	
50) Toluene-d8	10.42	98	496275	44.62	ug/l	0.02
Spiked Amount			Recovery	=	89.24%	
62) 4-Bromofluorobenzene	13.56	95	159349	35.68	ug/l	0.01
Spiked Amount			Recovery	=	71.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	258567	57.759	ug/l	99
3) Chloromethane	1.76	50	145012	44.830	ug/l	90
4) Vinyl Chloride	1.86	62	158382	49.821	ug/l	99
5) Bromomethane	2.16	94	70696	94.907	ug/l	95
6) Chloroethane	2.28	64	89676	67.225	ug/l	99
7) Trichlorofluoromethane	2.55	101	448781	72.612	ug/l	99
8) Diethyl Ether	2.88	74	59915	50.265	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.17	101	252325	53.969	ug/l #	89
10) Methyl Iodide	3.33	142	288886	40.883	ug/l #	72
11) Tert butyl alcohol	4.09	59	54902	247.268	ug/l	96
12) 1,1-Dichloroethene	3.15	96	165950	46.498	ug/l #	81
13) Acrolein	3.05	56	3539	15.410	ug/l	95
14) Allyl chloride	3.64	41	241109	46.464	ug/l #	75
15) Acrylonitrile	4.22	53	113530	194.532	ug/l #	87
16) Acetone	3.24	43	180501	197.874	ug/l #	78
17) Carbon Disulfide	3.39	76	336912	32.816	ug/l	100
18) Methyl Acetate	3.66	43	293150	180.477	ug/l	91
19) Methyl tert-butyl Ether	4.26	73	445381	58.221	ug/l	94
20) Methylene Chloride	3.84	84	201811	52.986	ug/l	96
21) trans-1,2-Dichloroethene	4.24	96	155945	39.267	ug/l	90
22) Diisopropyl ether	5.14	45	580697	52.587	ug/l	91
23) Vinyl Acetate	5.14	43	281663	48.344	ug/l #	77
24) 1,1-Dichloroethane	5.01	63	351625	52.784	ug/l	97
25) 2-Butanone	6.09	43	218307	219.405	ug/l	94
26) 2,2-Dichloropropane	6.05	77	406558	61.268	ug/l	90
27) cis-1,2-Dichloroethene	6.06	96	190397	42.831	ug/l	89
28) Bromochloromethane	6.46	49	97277	37.116	ug/l #	76
29) Tetrahydrofuran	6.47	42	110324	240.644	ug/l	94
30) Chloroform	6.68	83	464188	57.818	ug/l	96
31) Cyclohexane	6.98	56	182290	39.942	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	474250	62.497	ug/l	98
36) 1,1-Dichloropropene	7.16	75	237506	52.104	ug/l	93
37) Ethyl Acetate	6.20	43	38185	19.753	ug/l #	97
38) Carbon Tetrachloride	7.13	117	442576	70.149	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	189899	43.481	ug/l	94
40) Benzene	7.48	78	549785	53.413	ug/l	99
41) Methacrylonitrile	6.47	41	135277	57.264	ug/l #	78
42) 1,2-Dichloroethane	7.60	62	305785	70.117	ug/l	90
43) Isopropyl Acetate	9.26	43	39996	14.589	ug/l #	86
44) Trichloroethene	8.56	130	167878	42.801	ug/l	75
45) 1,2-Dichloropropane	8.95	63	140484	55.178	ug/l #	89
46) Dibromomethane	9.08	93	113673	54.904	ug/l	89
47) Bromodichloromethane	9.39	83	340700	67.275	ug/l	99
48) Methyl methacrylate	9.14	41	137301	81.306	ug/l #	81
49) 1,4-Dioxane	9.10	88	18710	1026.877	ug/l #	88
51) 4-Methyl-2-Pentanone	10.31	43	501488	284.562	ug/l	90
52) Toluene	10.53	92	316955	47.327	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	196721	44.945	ug/l	100
54) cis-1,3-Dichloropropene	10.06	75	241136	50.501	ug/l #	82
55) 1,1,2-Trichloroethane	11.21	97	137441	58.002	ug/l	97
56) Ethyl methacrylate	11.05	69	45096	18.314	ug/l #	79
57) 1,3-Dichloropropane	11.42	76	203043	56.718	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	294421	218.895	ug/l	97
59) 2-Hexanone	11.54	43	316628	243.768	ug/l	89
60) Dibromochloromethane	11.70	129	232652	56.811	ug/l	99
61) 1,2-Dibromoethane	11.82	107	131989	45.815	ug/l	94
64) Tetrachloroethene	11.28	164	127184	43.197	ug/l	95
65) Chlorobenzene	12.41	112	323994	46.199	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	226159	74.099	ug/l	94
67) Ethyl Benzene	12.54	91	596040	50.767	ug/l	93
68) m/p-Xylenes	12.67	106	381867	89.398	ug/l	82
69) o-Xylene	13.06	106	193867	48.818	ug/l	73
70) Styrene	13.08	104	294122	43.721	ug/l	93
71) Bromoform	13.25	173	136093	64.090	ug/l #	95
73) Isopropylbenzene	13.41	105	540470	70.910	ug/l	94
74) N-amyl acetate	13.27	43	19703	9.860	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	13.71	83	138321	95.861	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	138537	91.679	ug/l	98
77) Bromobenzene	13.68	156	144781	67.856	ug/l	96
78) n-propylbenzene	13.78	91	483442	53.172	ug/l	92
79) 2-Chlorotoluene	13.85	91	361204	69.366	ug/l	86
80) 1,3,5-Trimethylbenzene	13.94	105	402215	62.667	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	32906	77.136	ug/l #	64
82) 4-Chlorotoluene	13.95	91	345020	56.306	ug/l	86
83) tert-Butylbenzene	14.20	119	508485	70.485	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	413576	64.212	ug/l	86
85) sec-Butylbenzene	14.38	105	406178	51.352	ug/l	99
86) p-Isopropyltoluene	14.50	119	349490	49.455	ug/l	91
87) 1,3-Dichlorobenzene	14.47	146	175084	44.920	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	170568	44.538	ug/l	98
89) n-Butylbenzene	14.80	91	205068	32.330	ug/l	93
90) Hexachloroethane	15.02	117	128012	66.611	ug/l	71
91) 1,2-Dichlorobenzene	14.82	146	186067	57.965	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	22386	94.512	ug/l	97

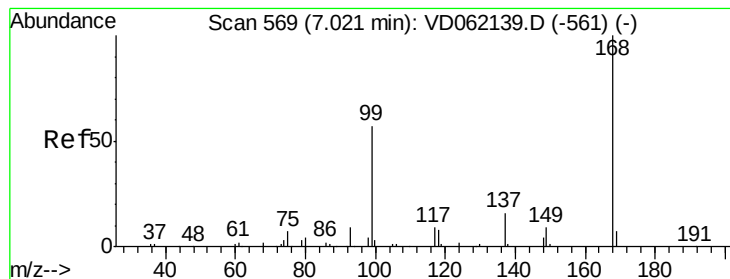
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	74964	32.085	ug/l	96
94) Hexachlorobutadiene	16.04	225	54826	31.550	ug/l	99
95) Naphthalene	16.13	128	155478	47.665	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	61818	42.081	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

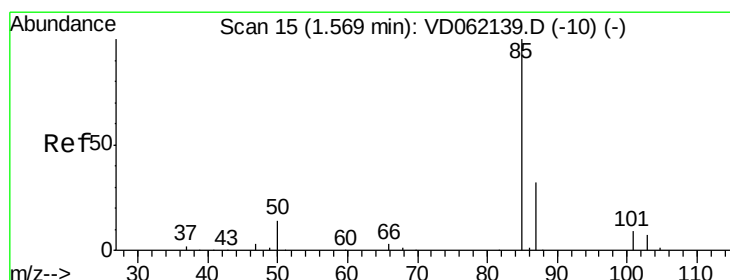
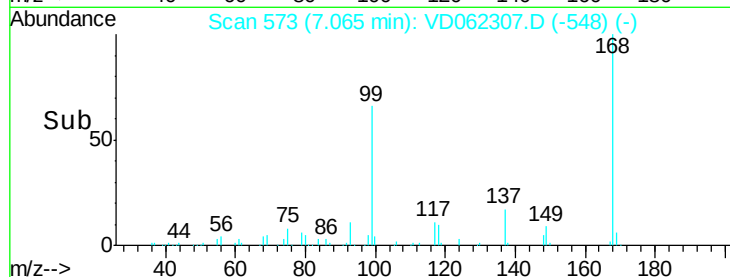
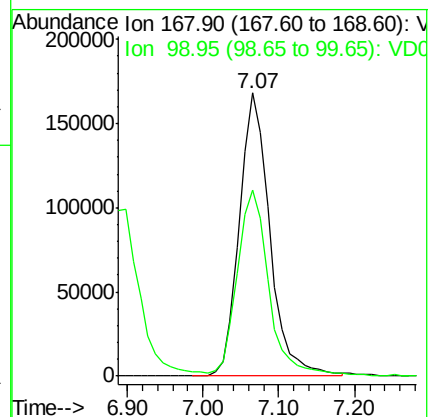
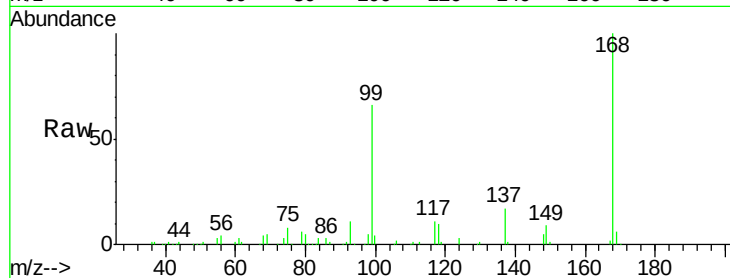
P026-SS012-0002-01MS

Tot Ion:168 Resp: 468068

Ion Ratio Lower Upper

168 100

99 65.7 46.5 69.7



#2

Dichlorodifluoromethane

Concen: 57.759 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD062307.D

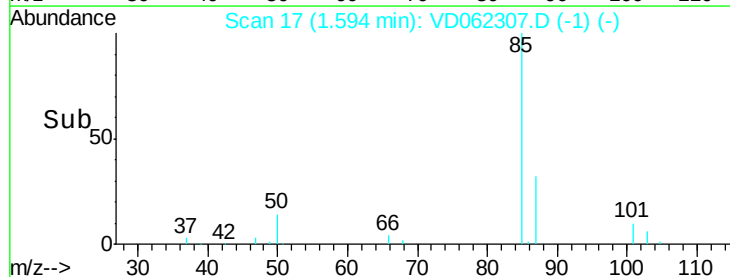
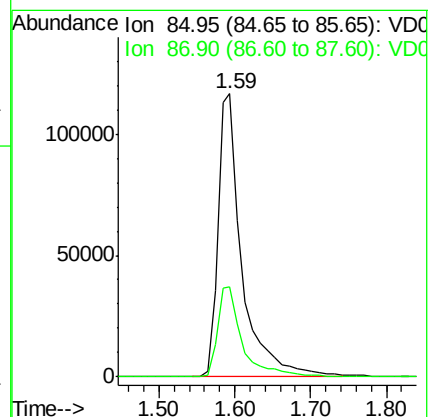
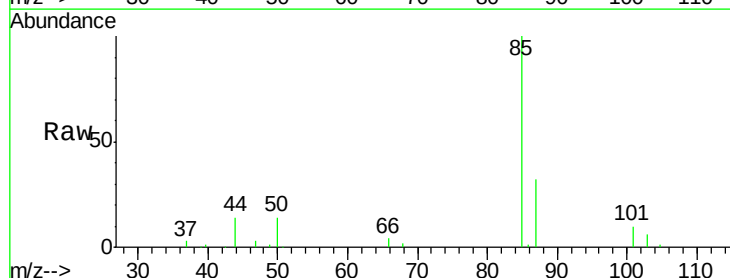
Acq: 13 May 2019 16:21

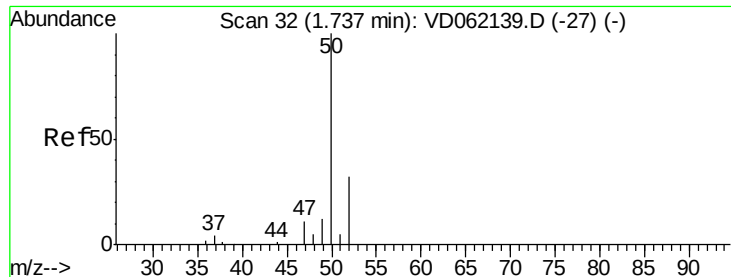
Tgt Ion: 85 Resp: 258567

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.6





#3

Chloromethane

Concen: 44.830 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

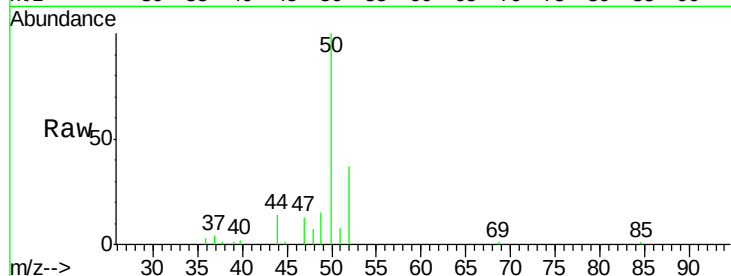
P026-SS012-0002-01MS

Tot Ion: 50 Resp: 145012

Ion Ratio Lower Upper

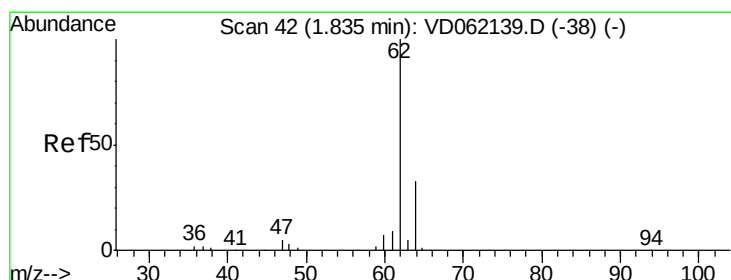
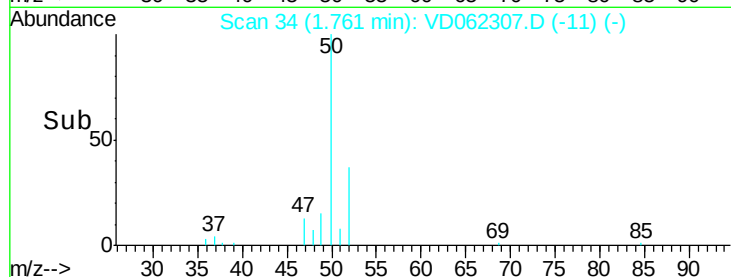
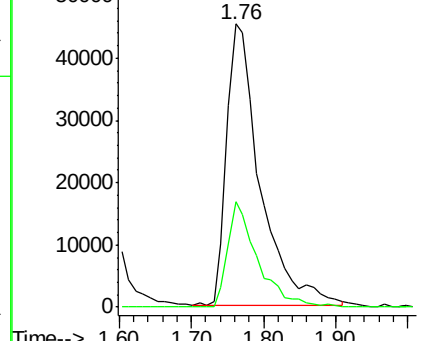
50 100

52 37.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.821 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062307.D

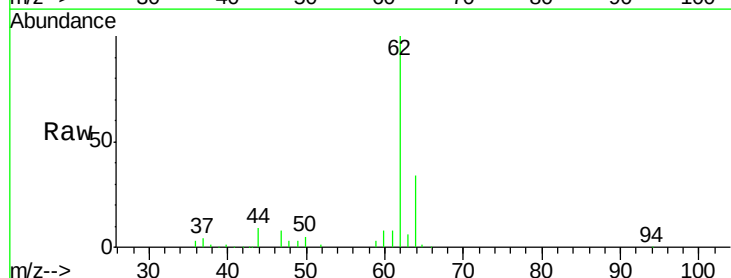
Acq: 13 May 2019 16:21

Tgt Ion: 62 Resp: 158382

Ion Ratio Lower Upper

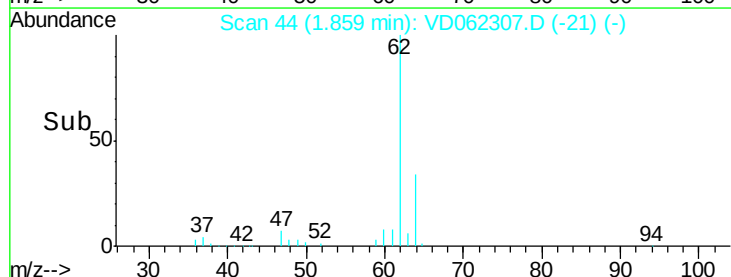
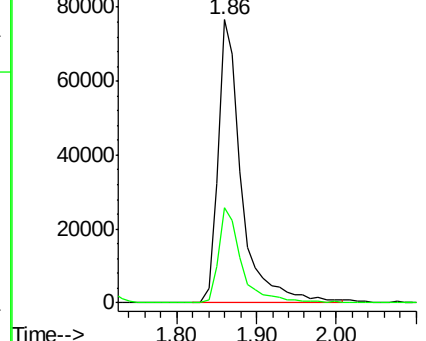
62 100

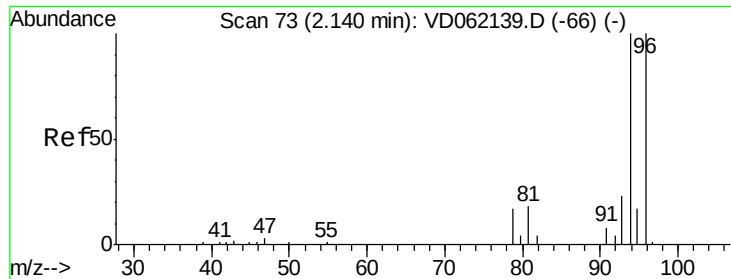
64 33.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 94.907 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

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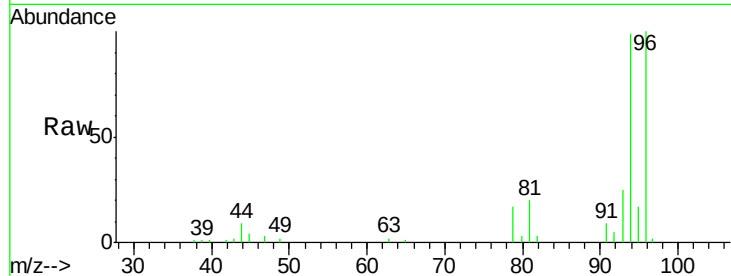
Tot Ion: 94 Resp: 70696

Ion Ratio Lower Upper

94 100

96 100.6 76.6 115.0

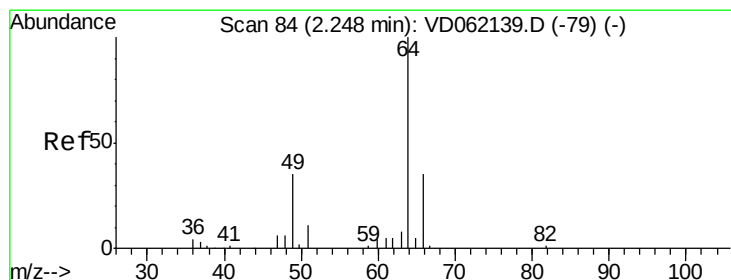
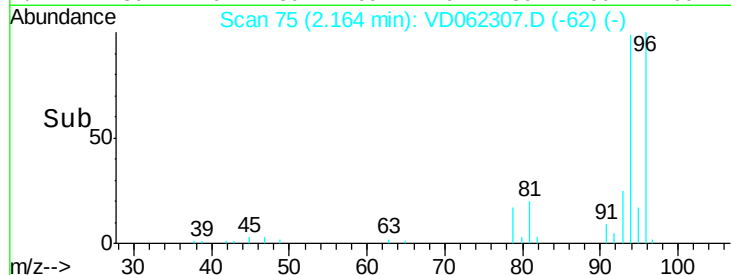
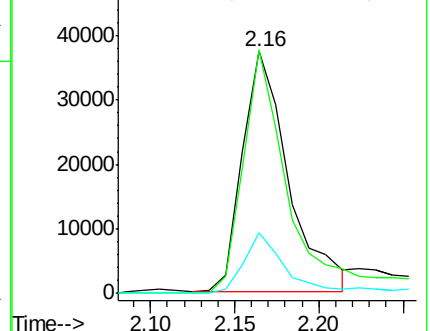
93 25.3 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 67.225 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.03 min

Lab File: VD062307.D

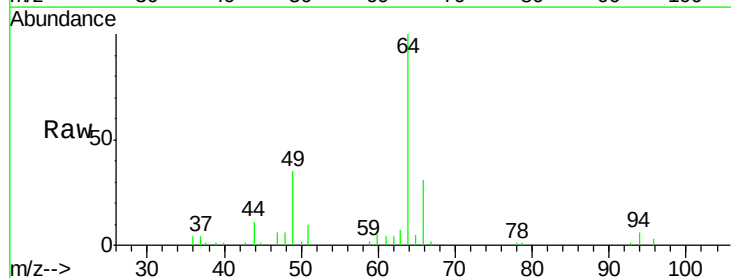
Acq: 13 May 2019 16:21

Tgt Ion: 64 Resp: 89676

Ion Ratio Lower Upper

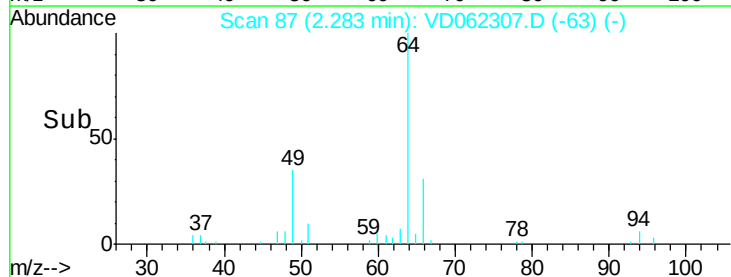
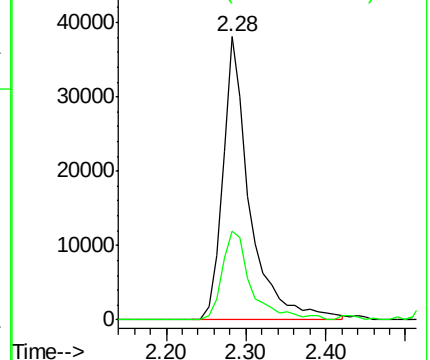
64 100

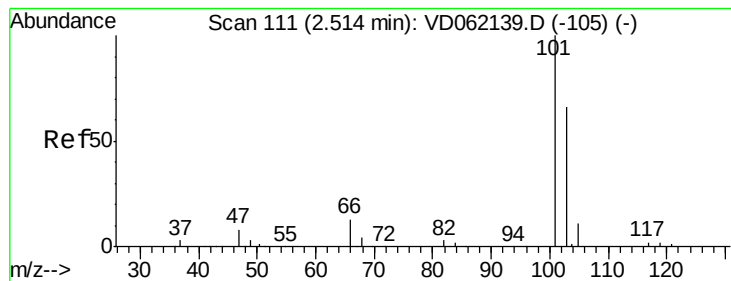
66 31.2 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



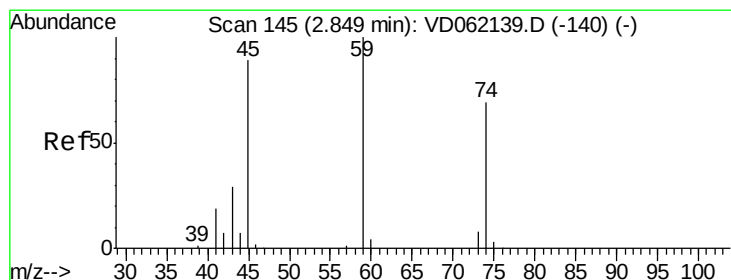
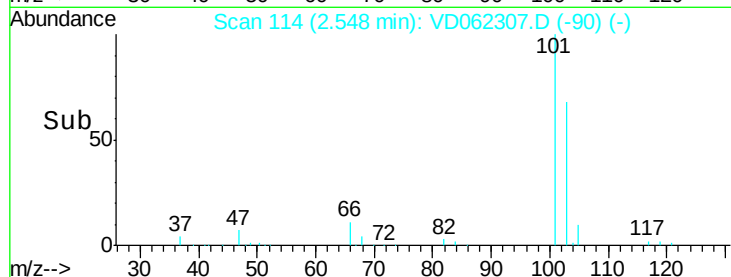
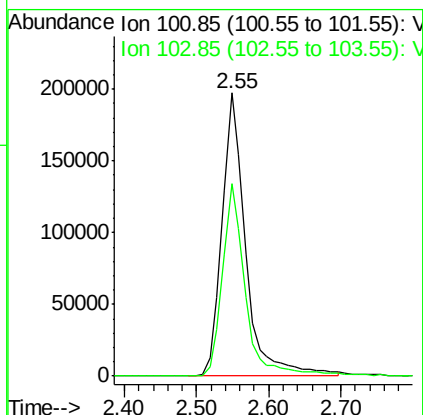
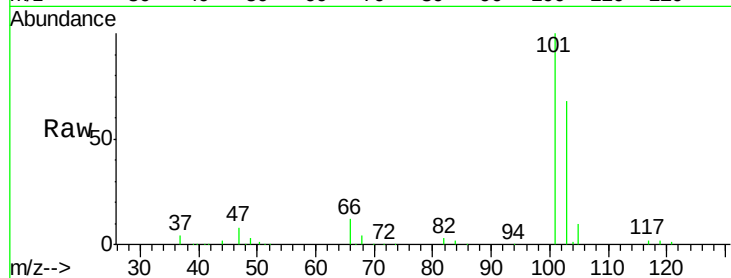


#7

Trichlorofluoromethane
 Concen: 72.612 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.03 min
 Lab File: VD062307.D
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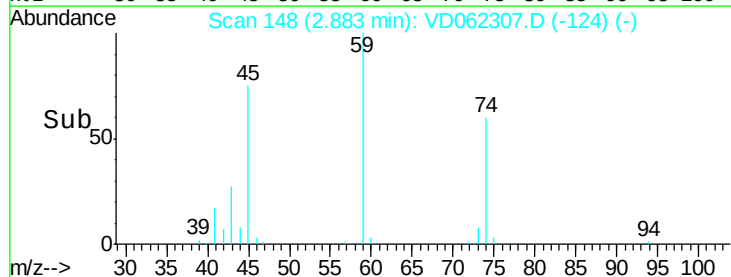
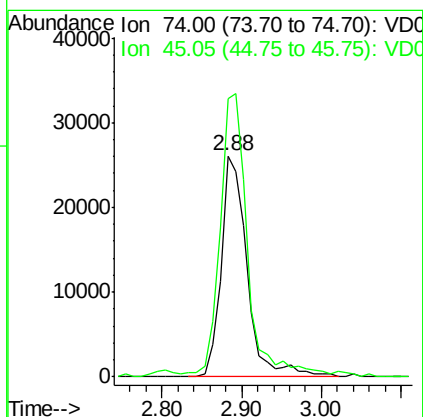
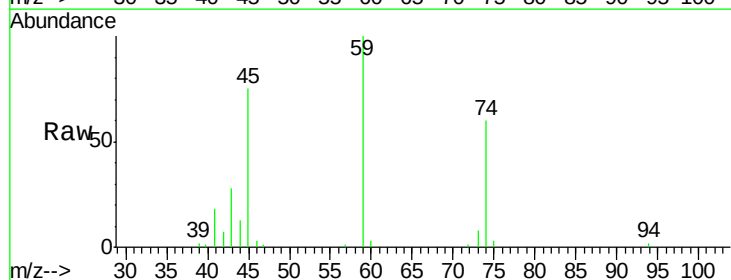
Tot Ion:101 Resp: 448781
 Ion Ratio Lower Upper
 101 100
 103 68.1 53.6 80.4

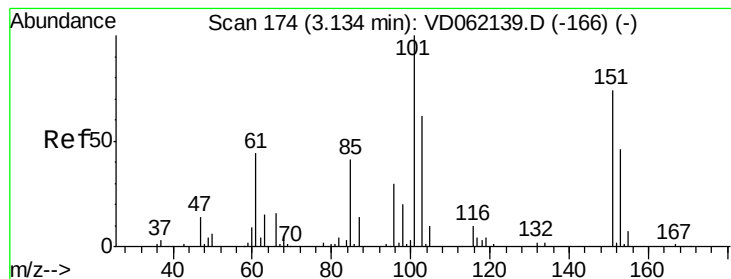


#8

Diethyl Ether
 Concen: 50.265 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion: 74 Resp: 59915
 Ion Ratio Lower Upper
 74 100
 45 125.5 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.969 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

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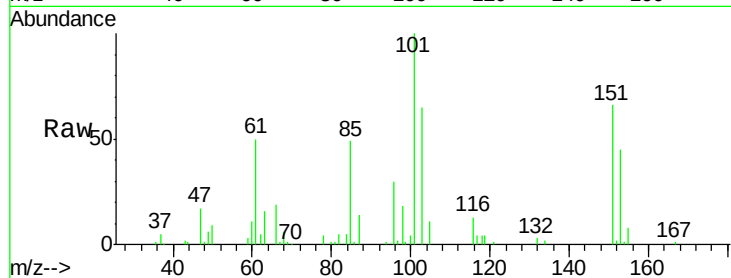
Tot Ion:101 Resp: 252325

Ion Ratio Lower Upper

101 100

85 48.8 32.4 48.6#

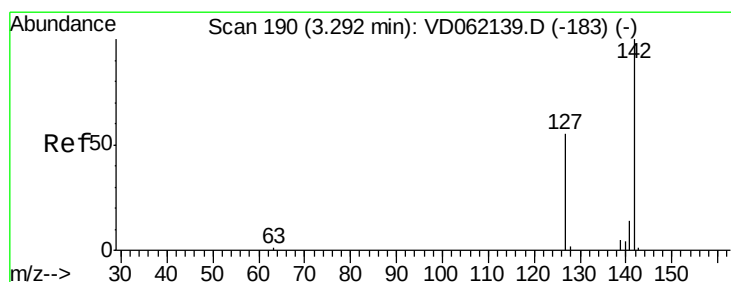
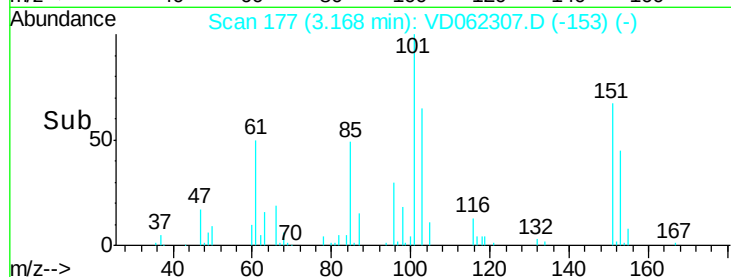
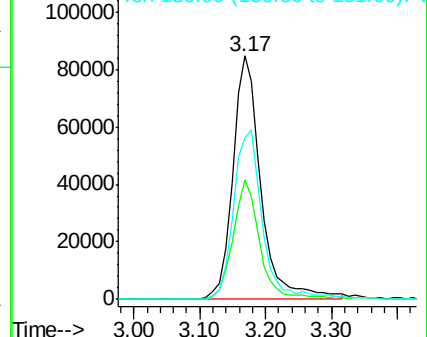
151 66.5 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 40.883 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

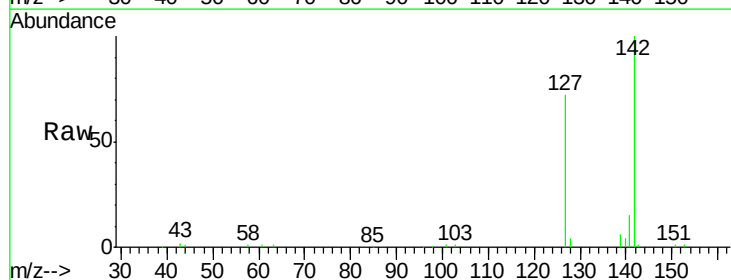
Tgt Ion:142 Resp: 288886

Ion Ratio Lower Upper

142 100

127 72.5 38.8 58.2#

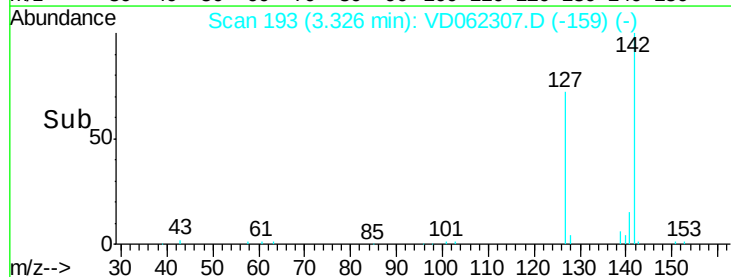
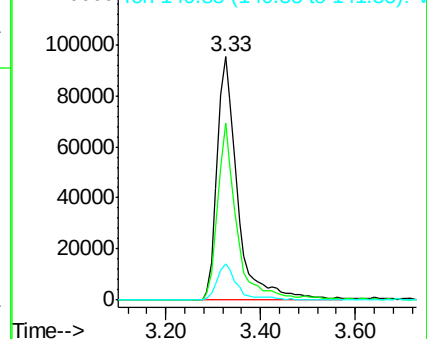
141 14.8 11.4 17.0

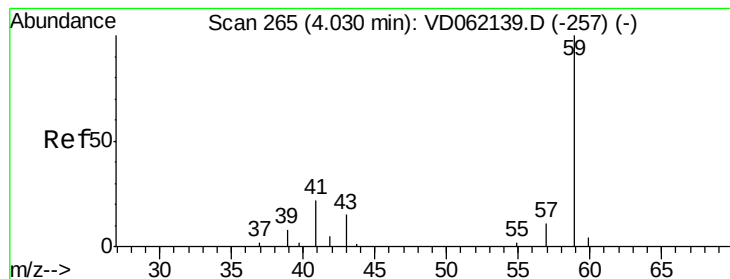


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



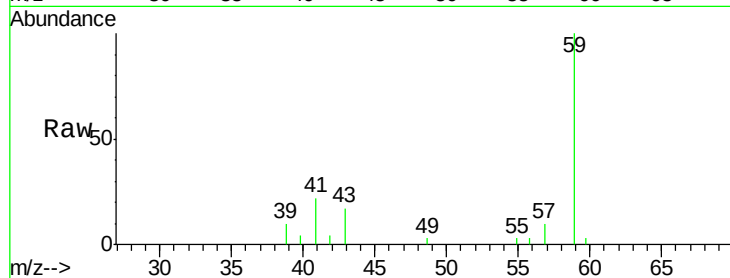


#11

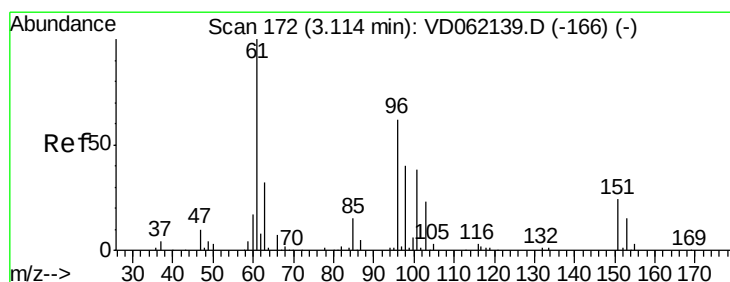
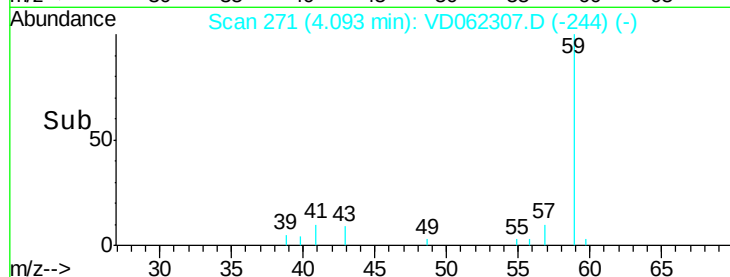
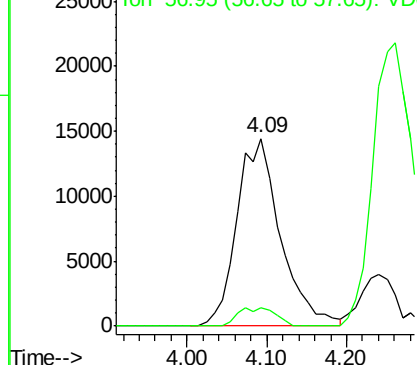
Tert butyl alcohol
 Concen: 247.268 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.06 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

Tot Ion: 59 Resp: 54902
 Ion Ratio Lower Upper
 59 100
 57 10.0 6.9 10.3



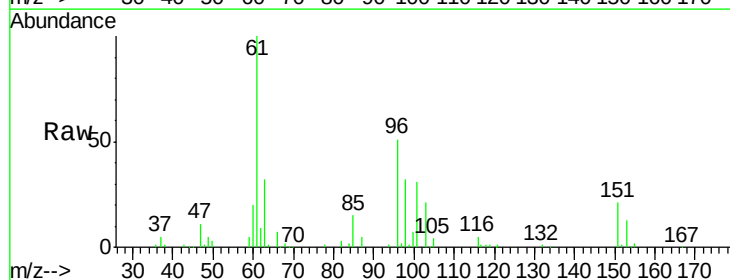
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



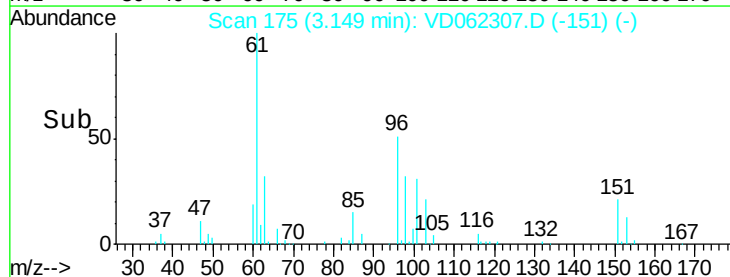
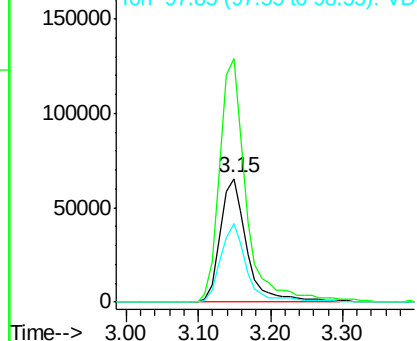
#12

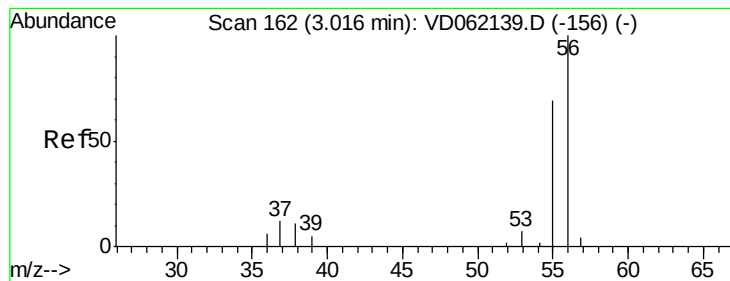
1,1-Dichloroethene
 Concen: 46.498 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. 0.03 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion: 96 Resp: 165950
 Ion Ratio Lower Upper
 96 100
 61 197.0 129.8 194.8#
 98 63.3 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 15.410 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

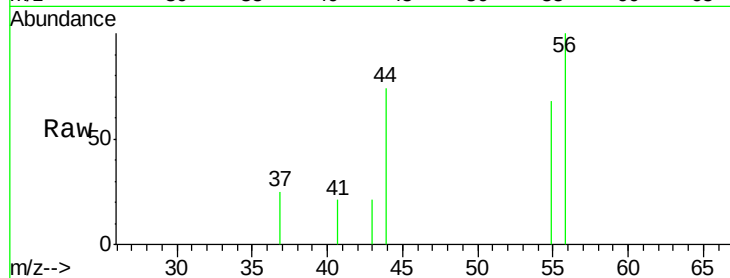
P026-SS012-0002-01MS

Tot Ion: 56 Resp: 3539

Ion Ratio Lower Upper

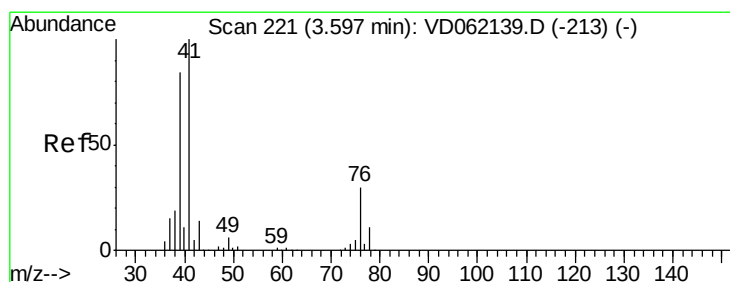
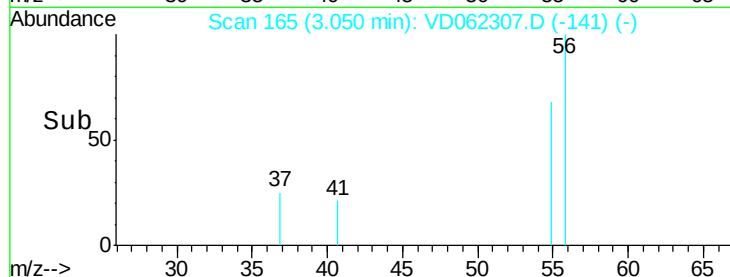
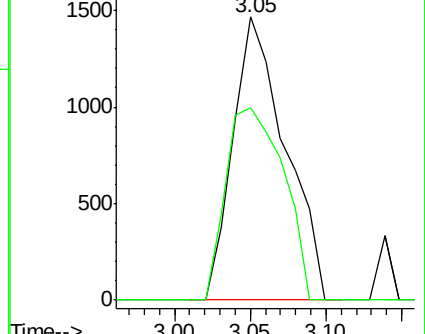
56 100

55 68.1 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.464 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

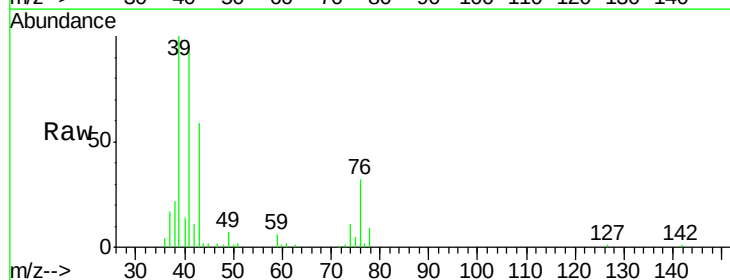
Tgt Ion: 41 Resp: 241109

Ion Ratio Lower Upper

41 100

39 103.7 60.5 90.7#

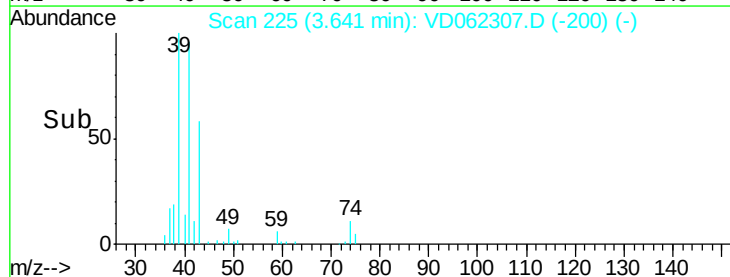
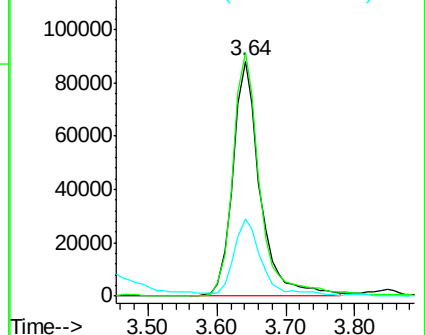
76 32.9 31.8 47.8

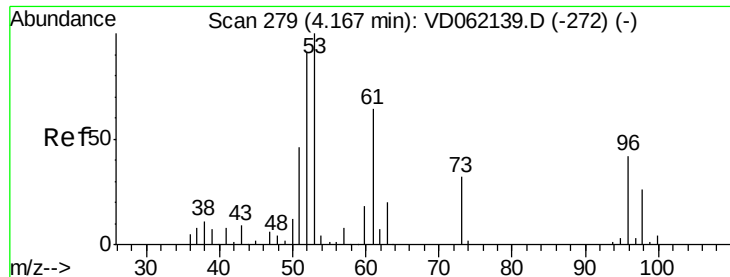


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 194.532 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.05 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

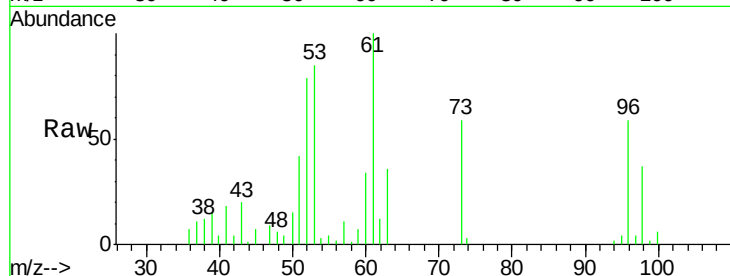
Tot Ion: 53 Resp: 113530

Ion Ratio Lower Upper

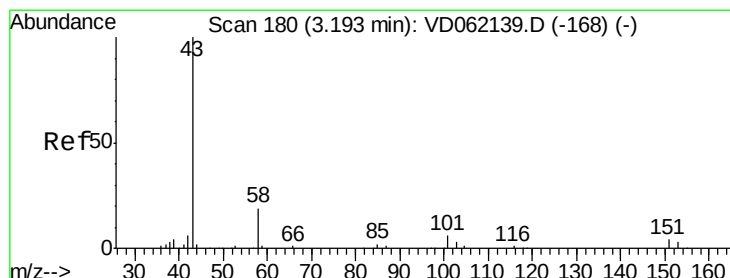
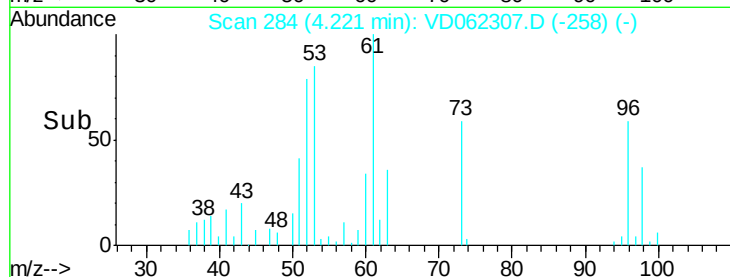
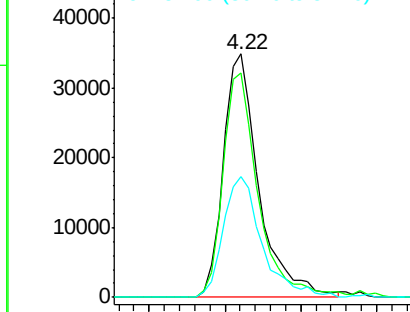
53 100

52 92.3 65.0 97.4

51 49.6 32.6 48.8#



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



#16

Acetone

Concen: 197.874 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062307.D

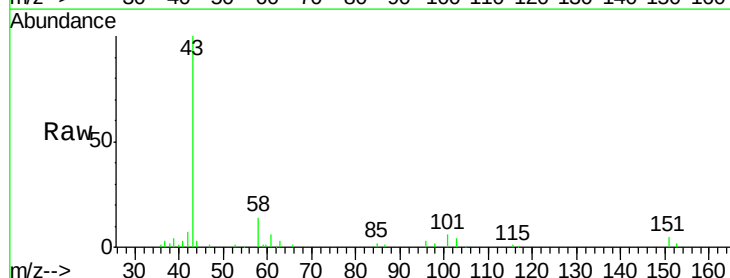
Acq: 13 May 2019 16:21

Tgt Ion: 43 Resp: 180501

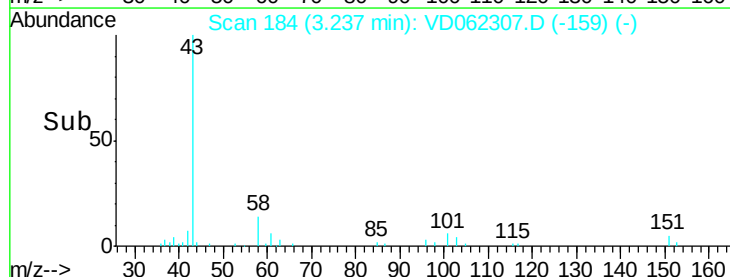
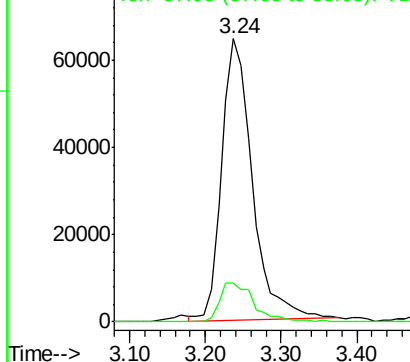
Ion Ratio Lower Upper

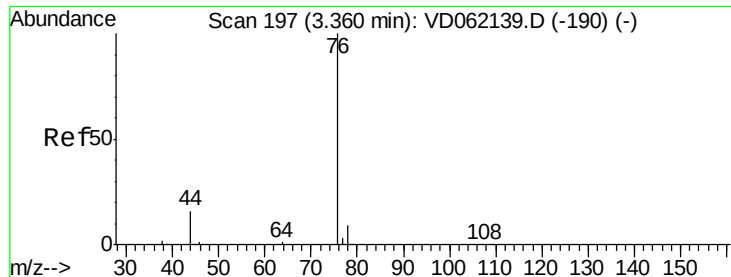
43 100

58 13.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 32.816 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

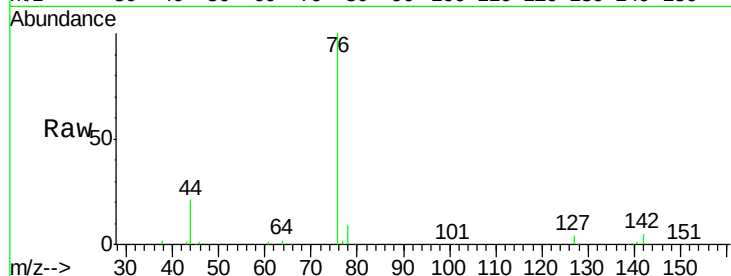
P026-SS012-0002-01MS

Tot Ion: 76 Resp: 336912

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

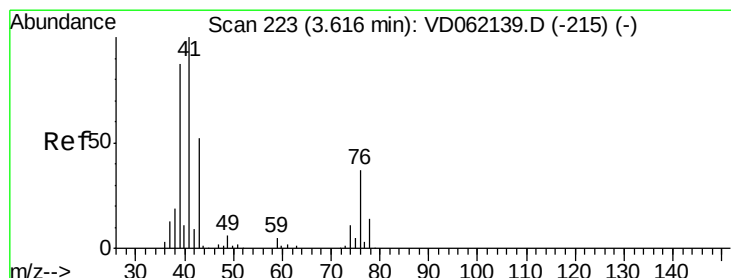
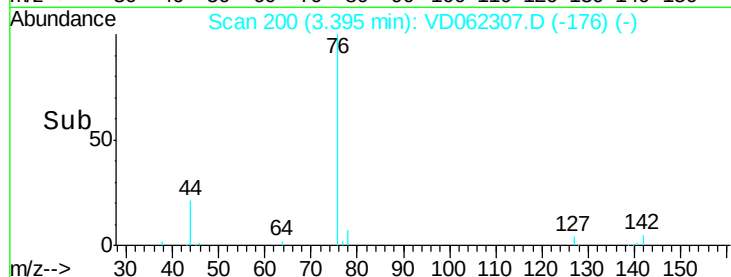
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 180.477 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD062307.D

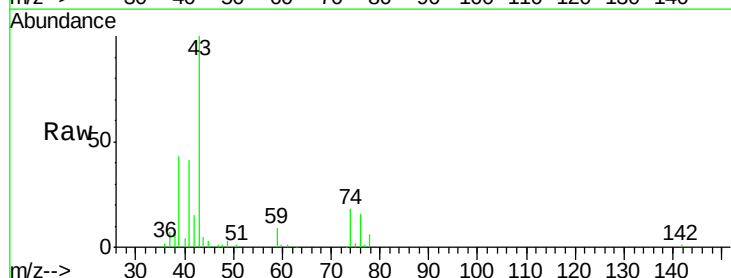
Acq: 13 May 2019 16:21

Tgt Ion: 43 Resp: 293150

Ion Ratio Lower Upper

43 100

74 18.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.66

120000

100000

80000

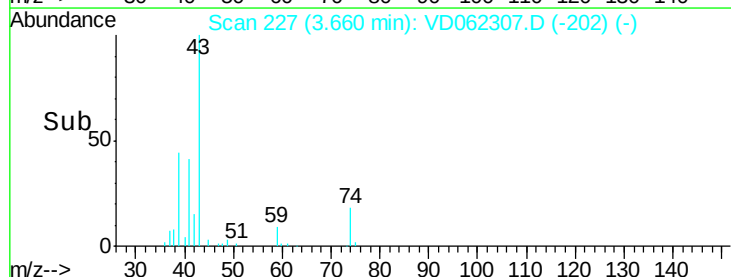
60000

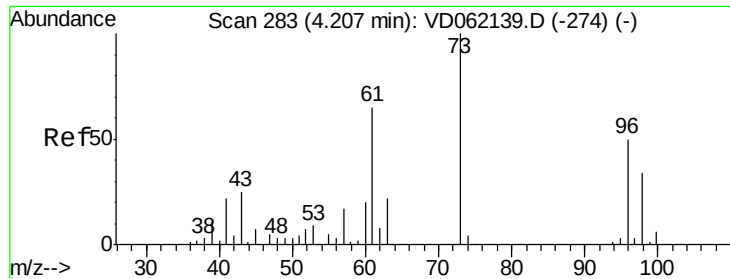
40000

20000

0

Time-->

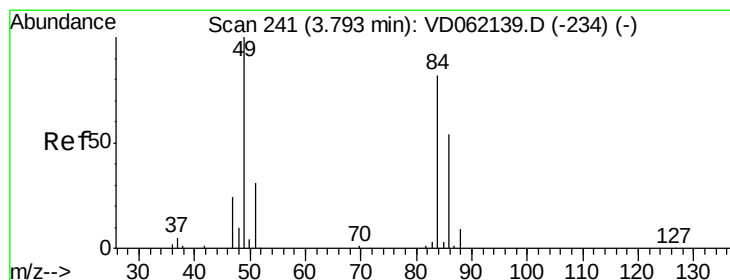
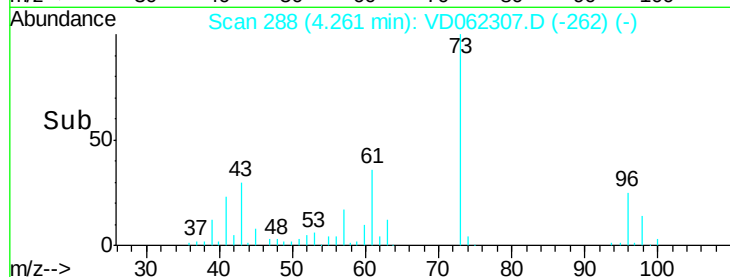
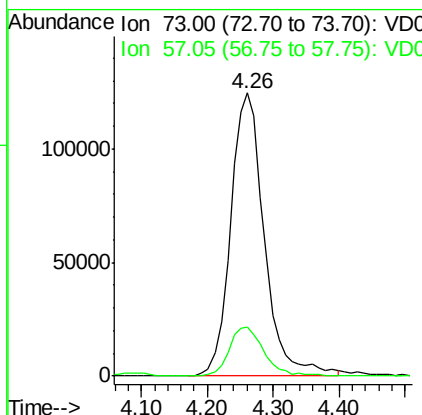
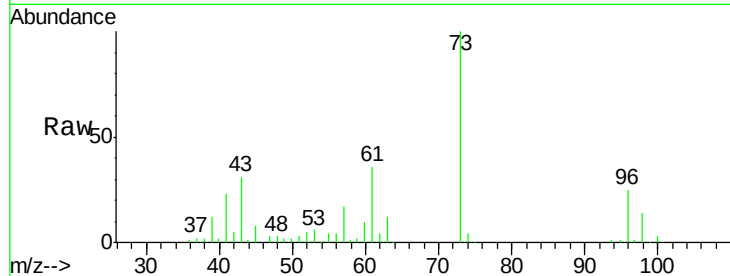




#19
Methyl tert-butyl Ether
Concen: 58.221 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.05 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

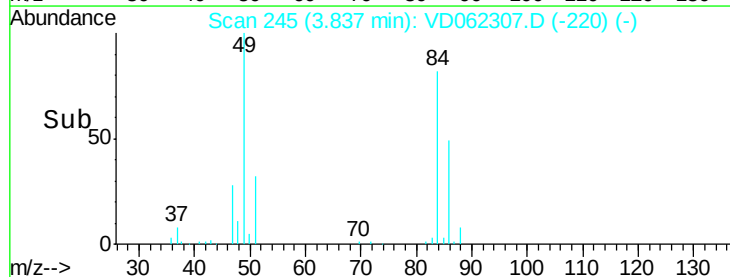
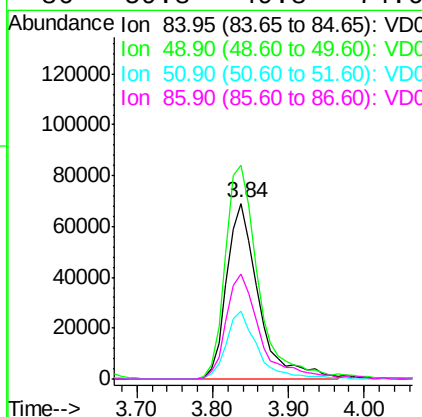
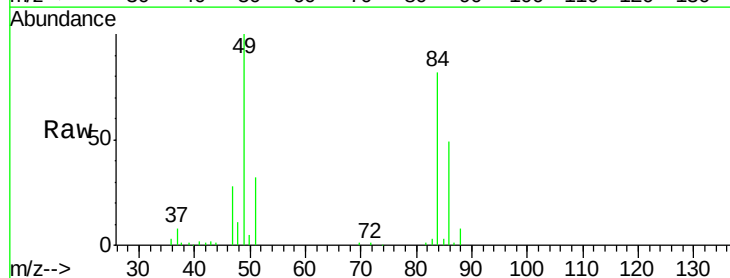
Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

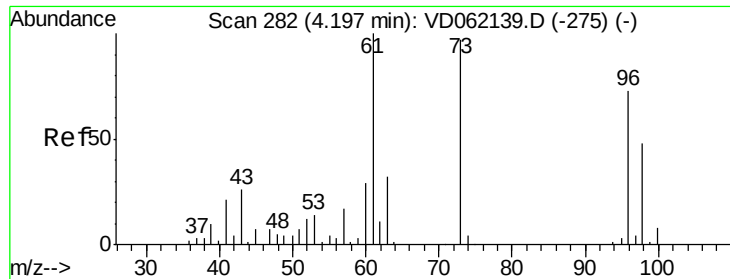
Tot Ion: 73 Resp: 445381
Ion Ratio Lower Upper
73 100
57 17.5 16.3 24.5



#20
Methylene Chloride
Concen: 52.986 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion: 84 Resp: 201811
Ion Ratio Lower Upper
84 100
49 121.7 94.0 141.0
51 39.0 29.0 43.4
86 59.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 39.267 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

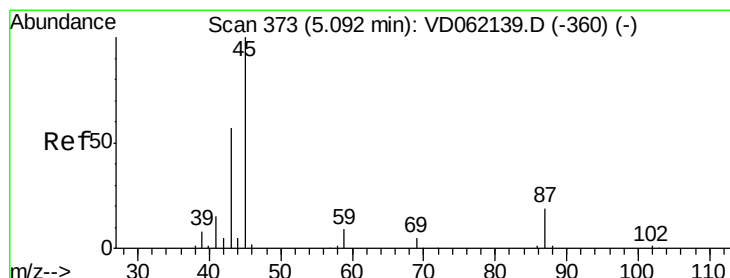
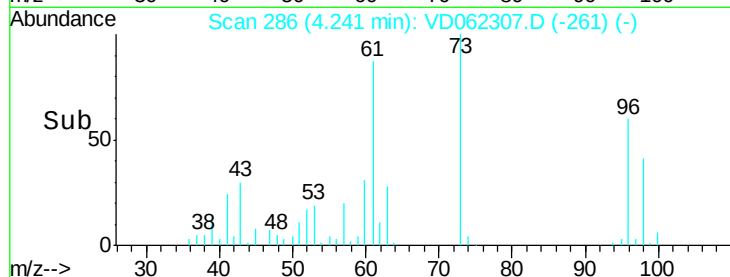
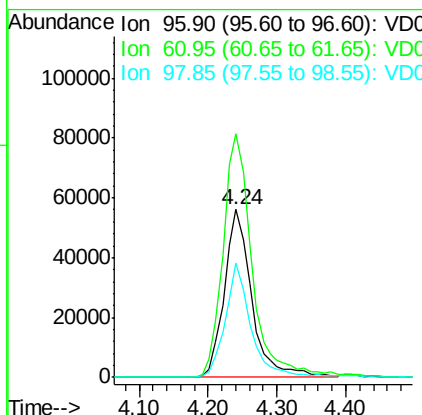
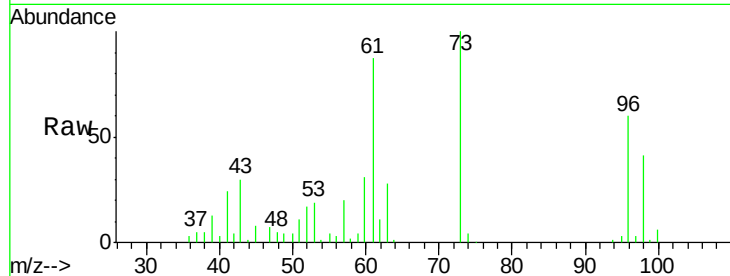
Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

Tot Ion: 96 Resp: 155945

Ion	Ratio	Lower	Upper
96	100		
61	145.2	104.4	156.6
98	68.4	51.8	77.8



#22

Diisopropyl ether

Concen: 52.587 ug/l

RT: 5.14 min Scan# 377

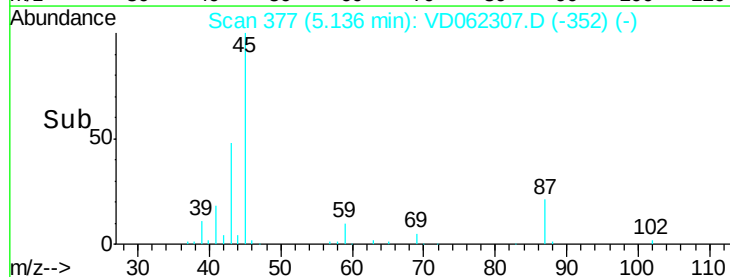
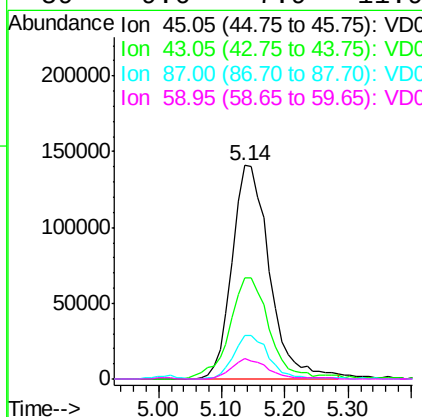
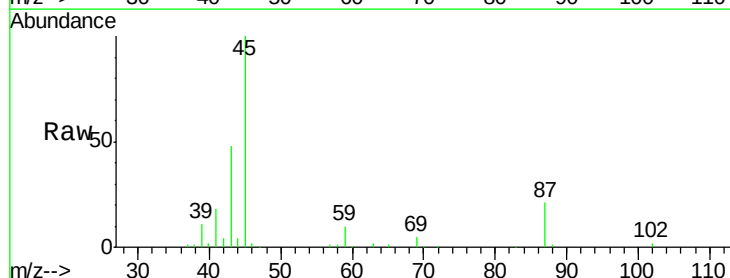
Delta R.T. 0.04 min

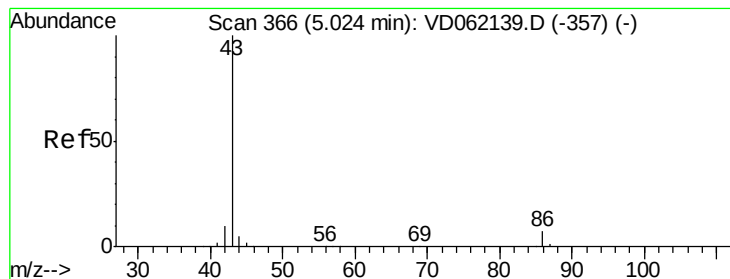
Lab File: VD062307.D

Acq: 13 May 2019 16:21

Tgt Ion: 45 Resp: 580697

Ion	Ratio	Lower	Upper
45	100		
43	47.7	46.2	69.2
87	20.7	15.9	23.9
59	9.6	7.9	11.9





#23

Vinyl Acetate

Concen: 48.344 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.11 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

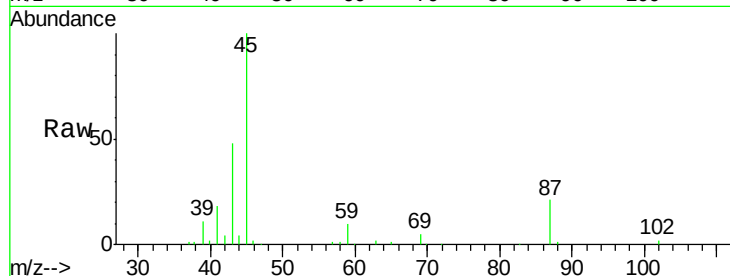
P026-SS012-0002-01MS

Tot Ion: 43 Resp: 281663

Ion Ratio Lower Upper

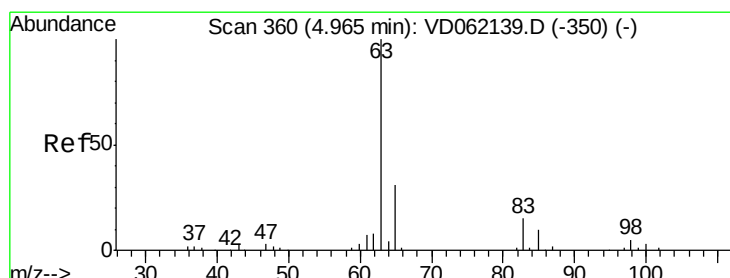
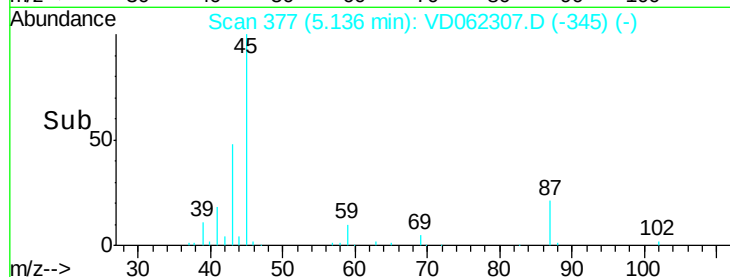
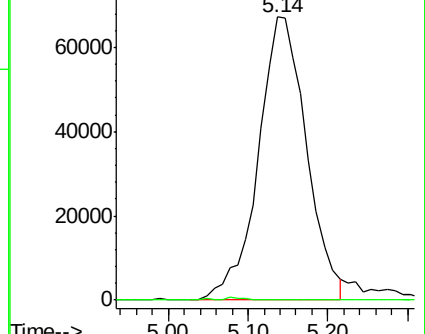
43 100

86 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.784 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

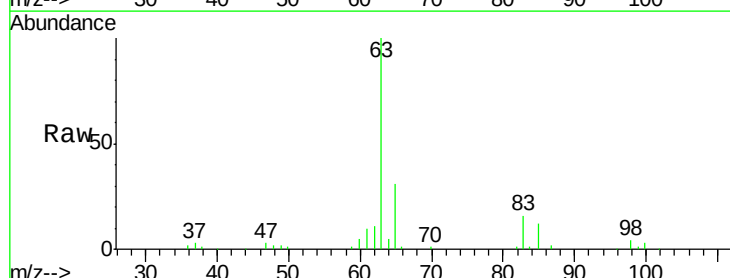
Tgt Ion: 63 Resp: 351625

Ion Ratio Lower Upper

63 100

98 4.3 2.8 8.4

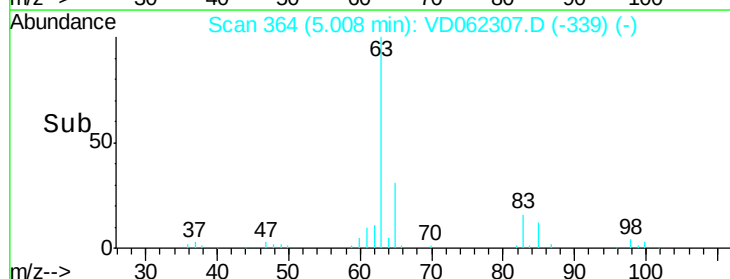
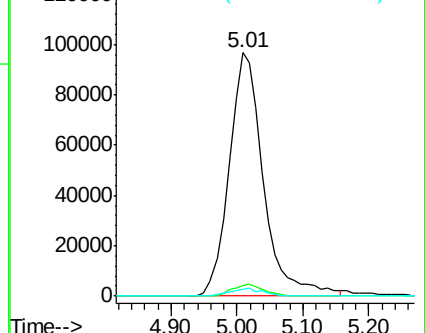
100 3.1 1.8 5.5

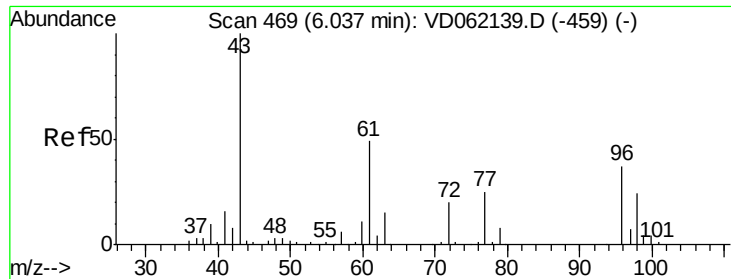


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 219.405 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

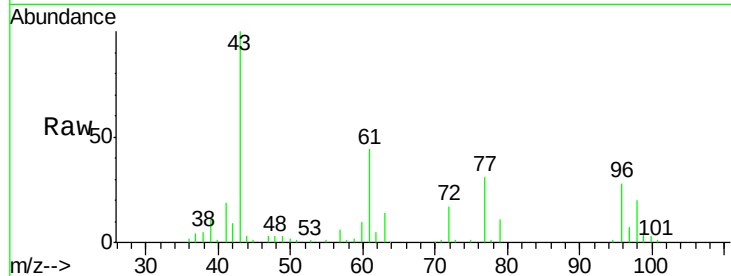
P026-SS012-0002-01MS

Tot Ion: 43 Resp: 218307

Ion Ratio Lower Upper

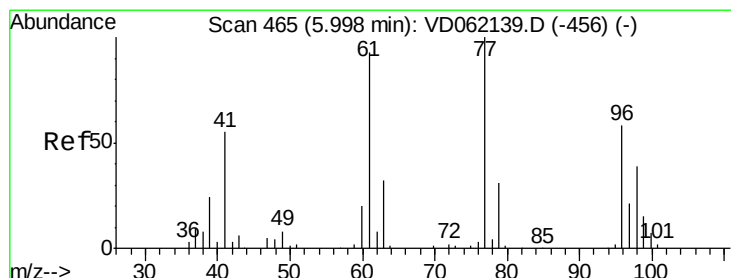
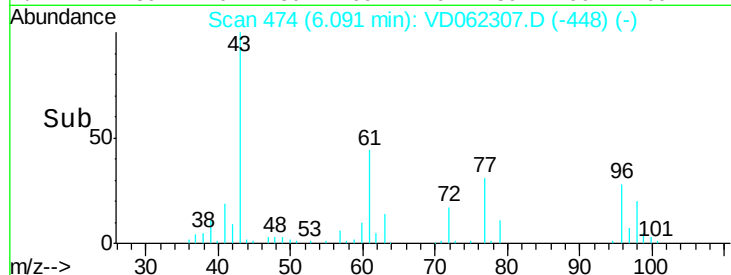
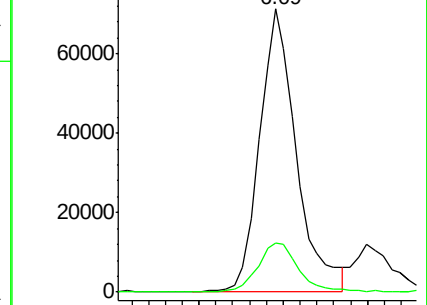
43 100

72 17.4 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 61.268 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.05 min

Lab File: VD062307.D

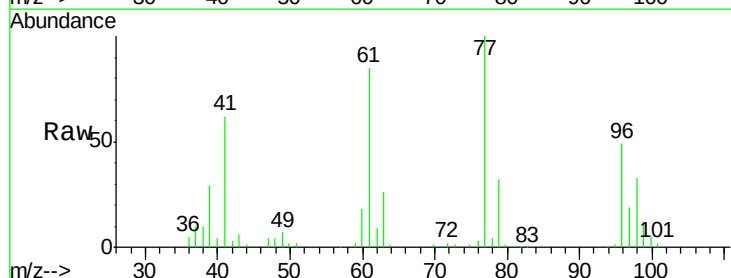
Acq: 13 May 2019 16:21

Tgt Ion: 77 Resp: 406558

Ion Ratio Lower Upper

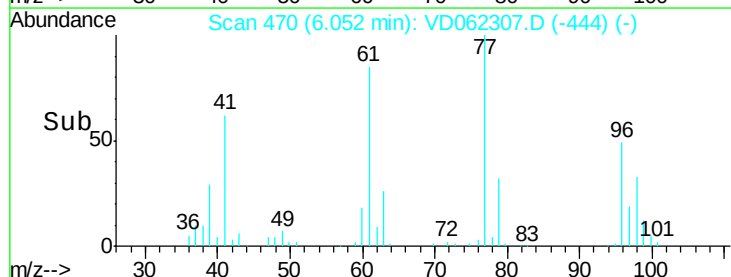
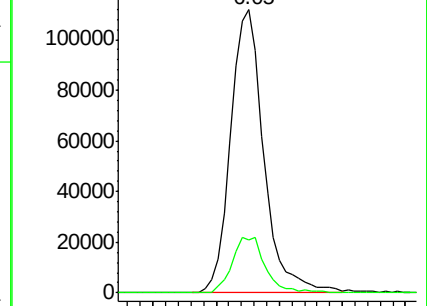
77 100

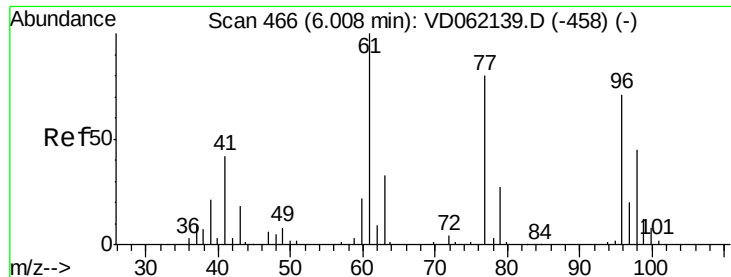
97 18.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



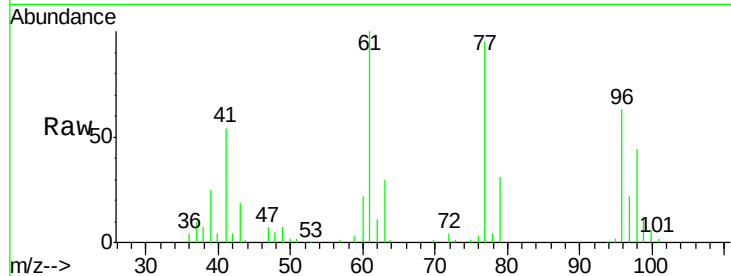


#27

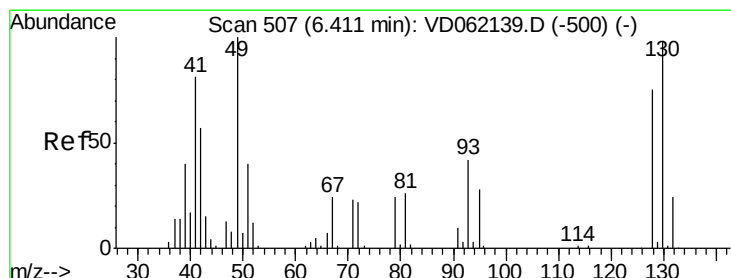
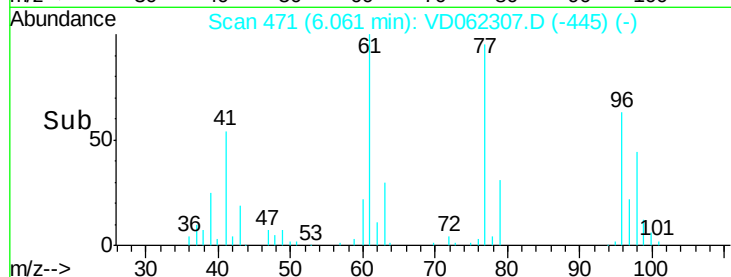
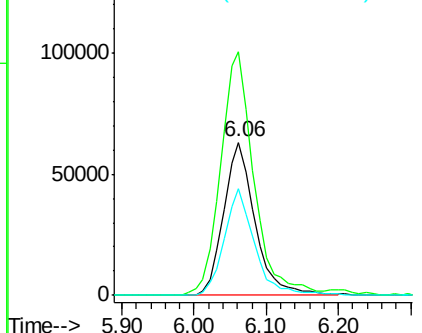
cis-1,2-Dichloroethene
Concen: 42.831 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

Tot Ion: 96 Resp: 190397
Ion Ratio Lower Upper
96 100
61 159.2 0.0 279.8
98 69.4 0.0 136.0



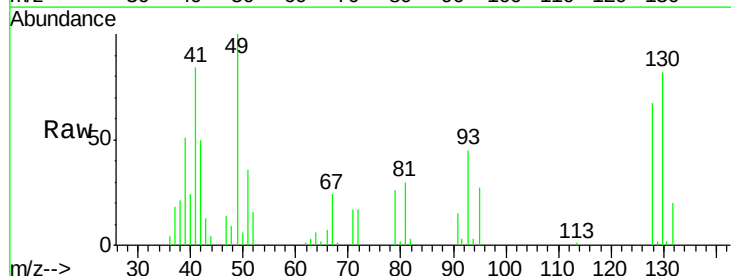
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



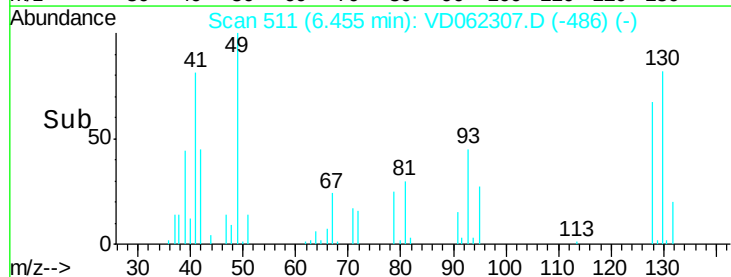
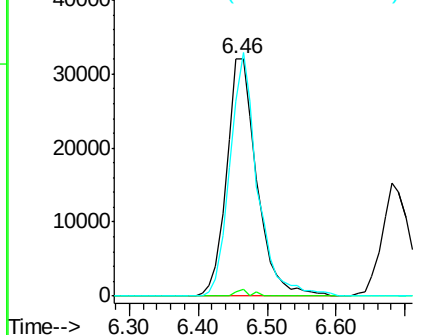
#28

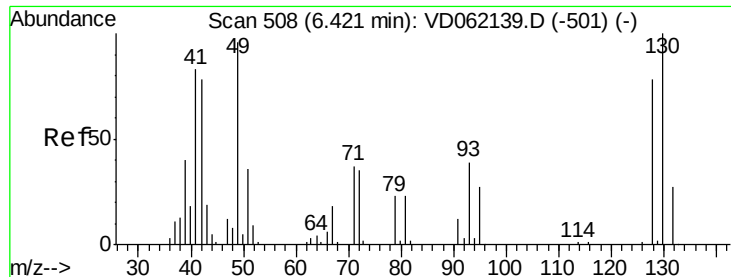
Bromochloromethane
Concen: 37.116 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion: 49 Resp: 97277
Ion Ratio Lower Upper
49 100
129 2.0 0.0 6.6
130 82.2 86.7 130.1#



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

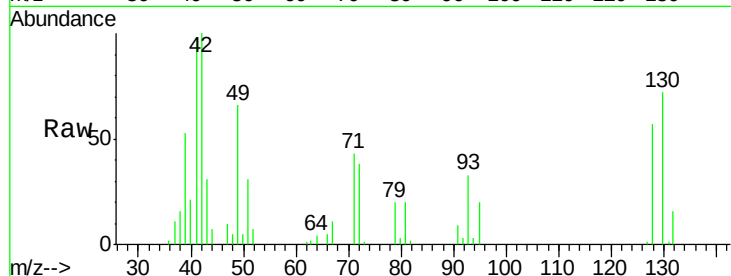




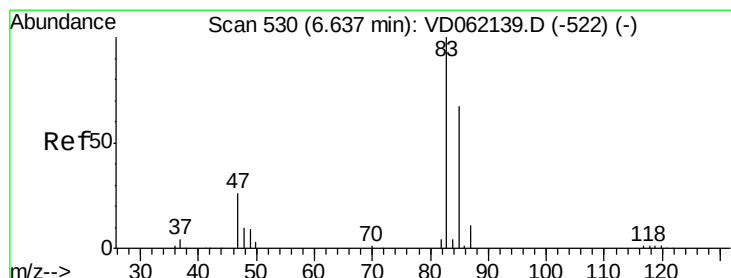
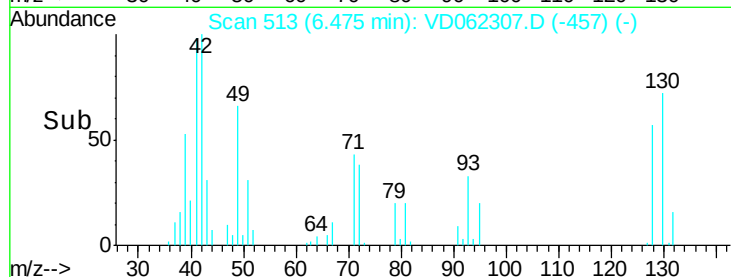
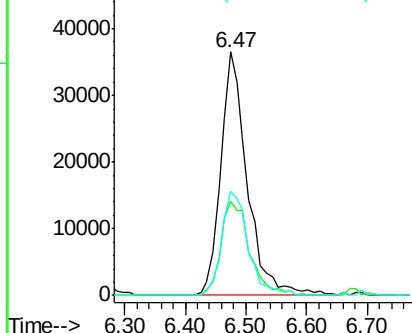
#29
Tetrahydrofuran
Concen: 240.644 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

Tot Ion: 42 Resp: 110324
Ion Ratio Lower Upper
42 100
72 41.9 37.8 56.6
71 42.6 36.7 55.1

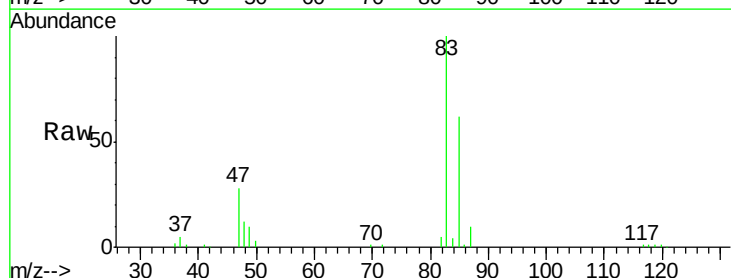


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

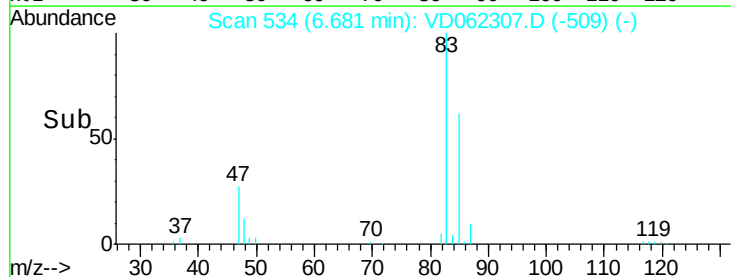
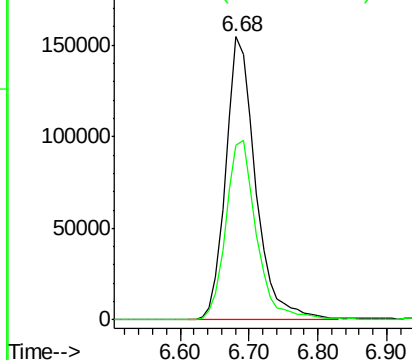


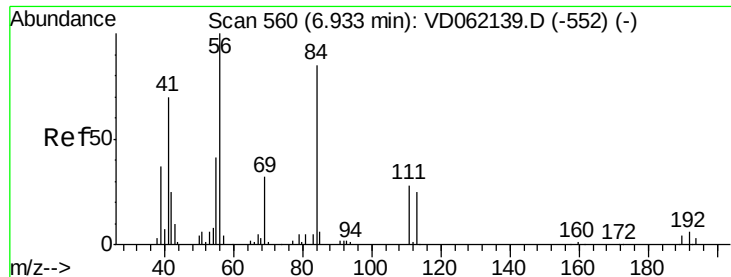
#30
Chloroform
Concen: 57.818 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion: 83 Resp: 464188
Ion Ratio Lower Upper
83 100
85 61.7 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

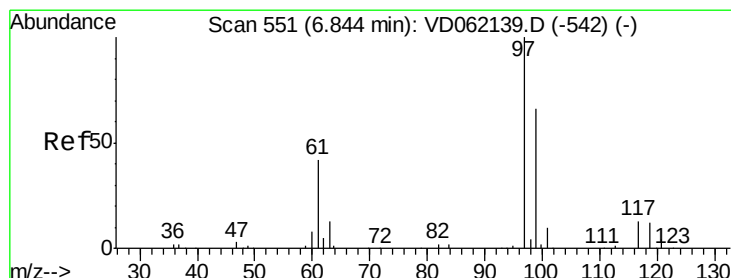
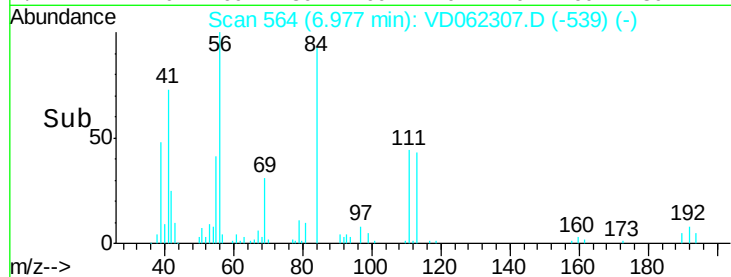
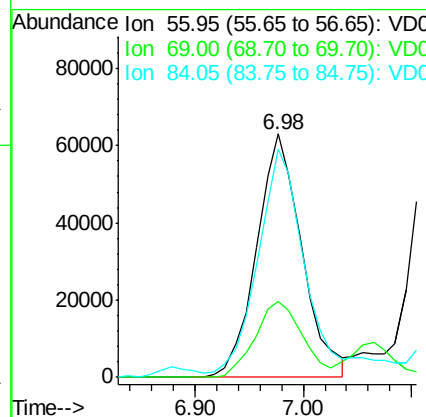
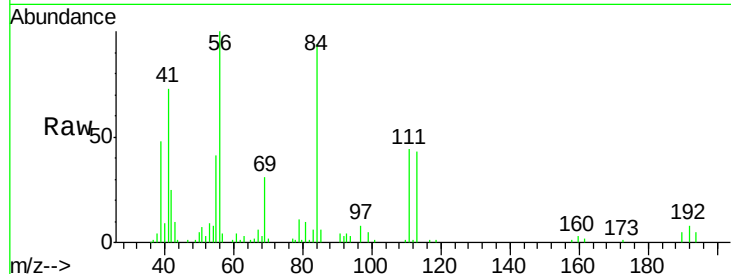




#31
Cyclohexane
Concen: 39.942 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

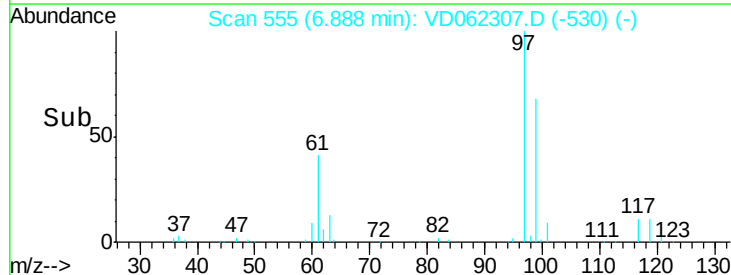
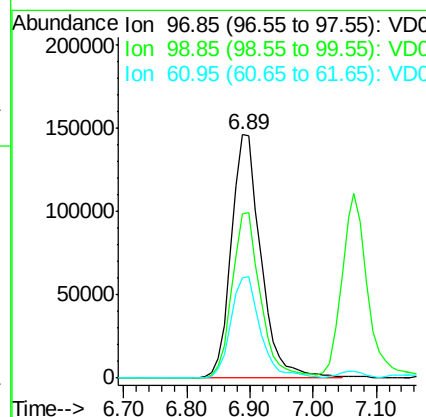
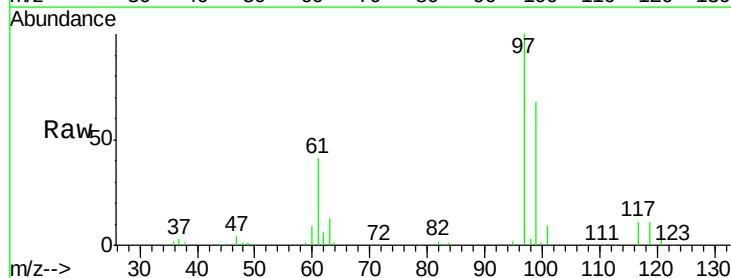
Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

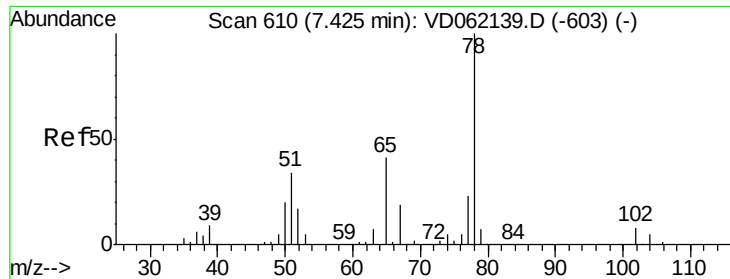
Tot Ion: 56 Resp: 182290
Ion Ratio Lower Upper
56 100
69 31.2 25.8 38.6
84 93.9 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 62.497 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion: 97 Resp: 474250
Ion Ratio Lower Upper
97 100
99 67.6 52.2 78.2
61 41.0 32.4 48.6

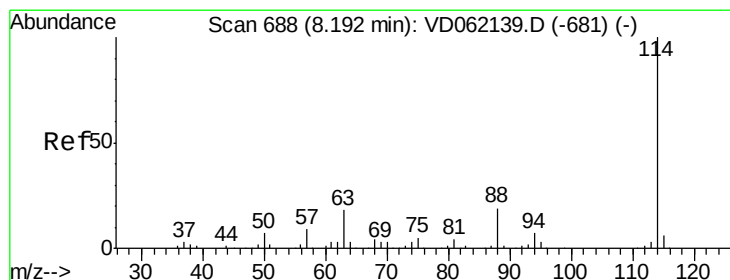
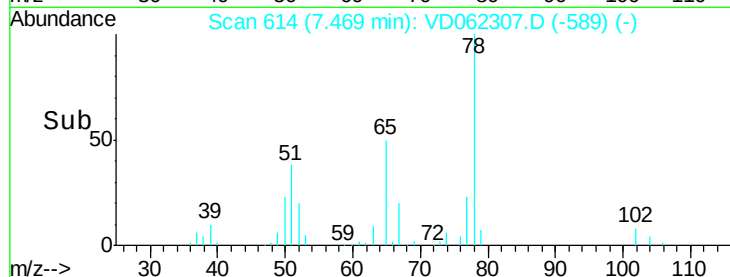
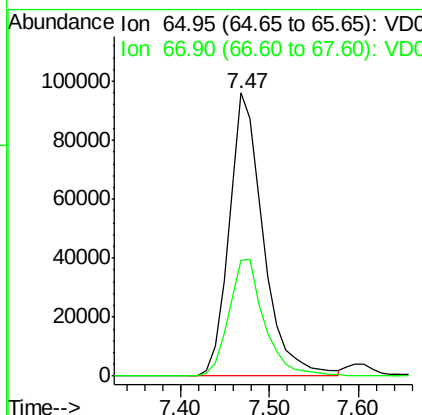
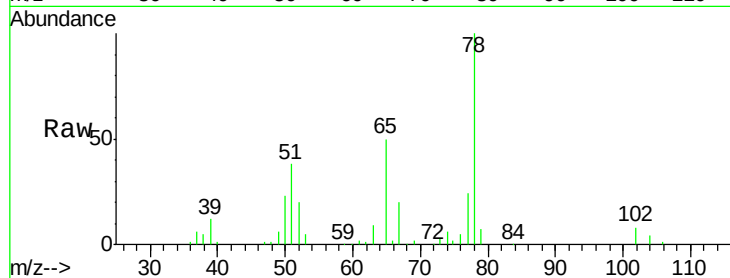




#33
 1,2-Dichloroethane-d4
 Concen: 59.034 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

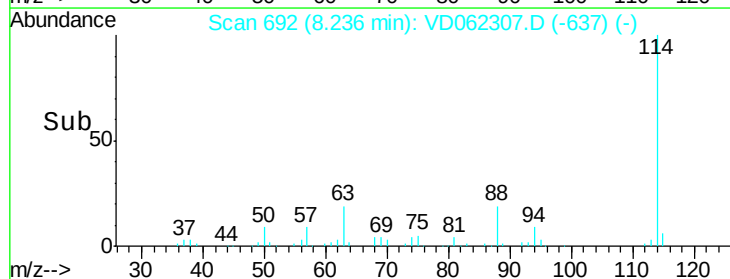
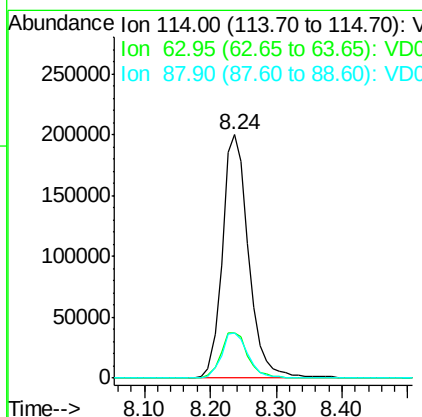
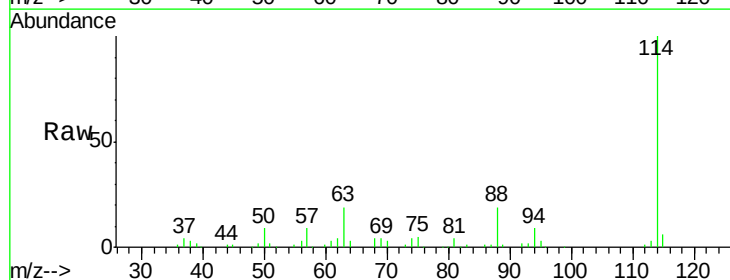
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

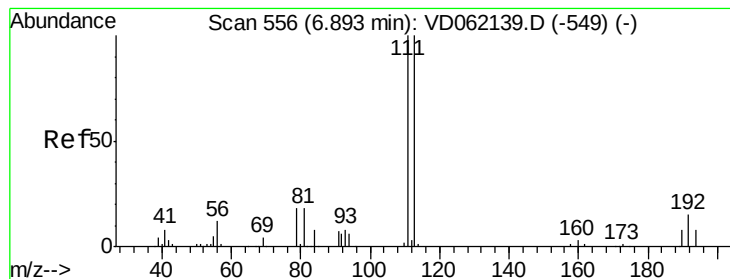
Tot Ion: 65 Resp: 256788
 Ion Ratio Lower Upper
 65 100
 67 40.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion: 114 Resp: 555954
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 32.4
 88 18.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 62.783 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

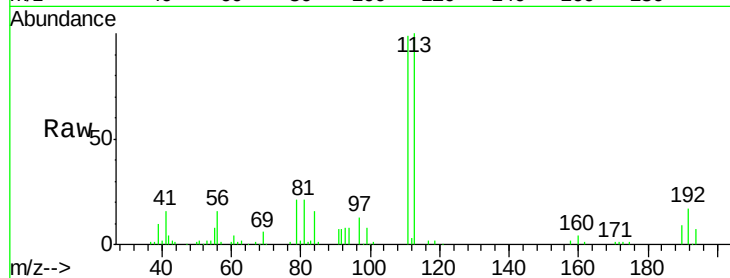
Tot Ion:113 Resp: 289606

Ion Ratio Lower Upper

113 100

111 99.0 78.5 117.7

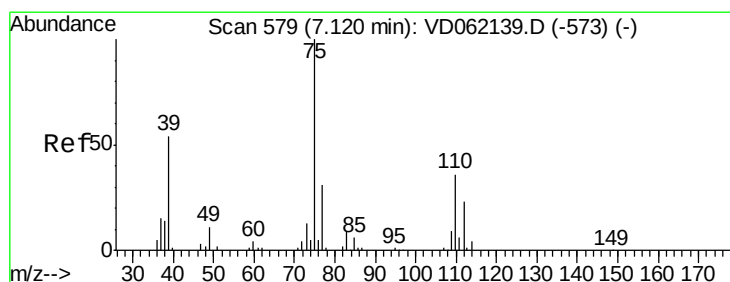
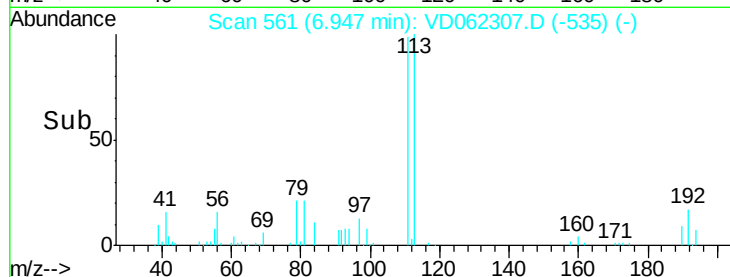
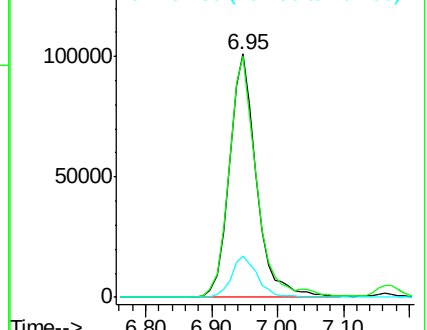
192 16.9 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.104 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

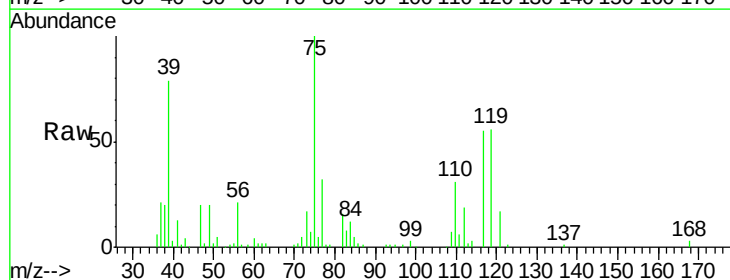
Tgt Ion: 75 Resp: 237506

Ion Ratio Lower Upper

75 100

110 30.9 19.1 57.1

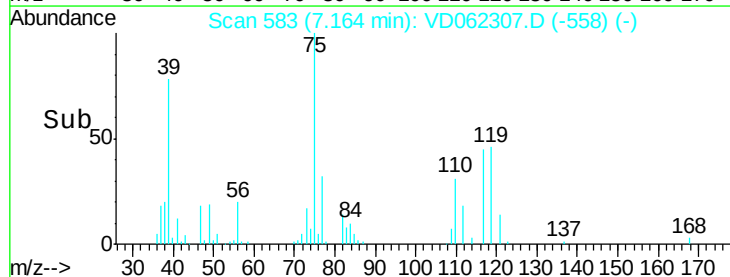
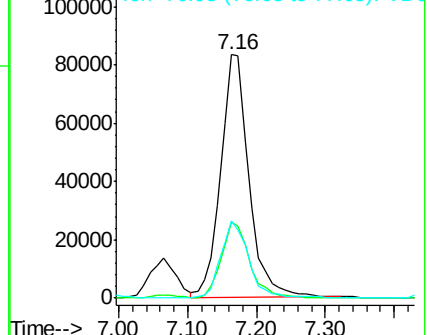
77 31.6 25.6 38.4

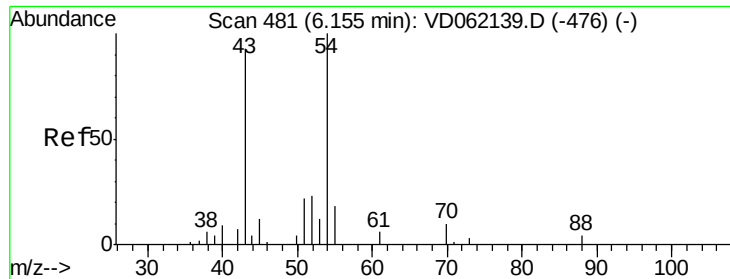


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

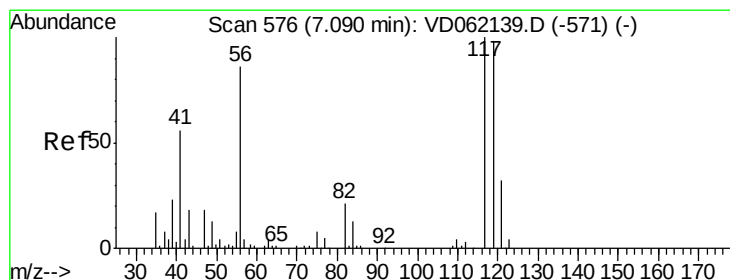
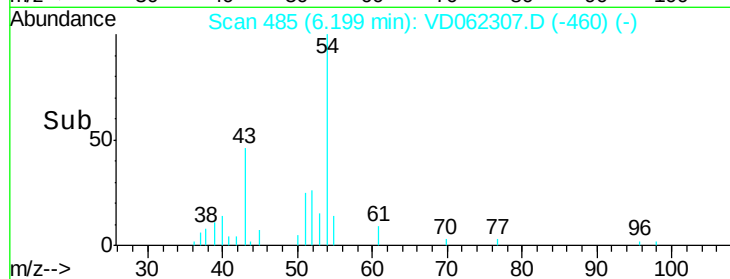
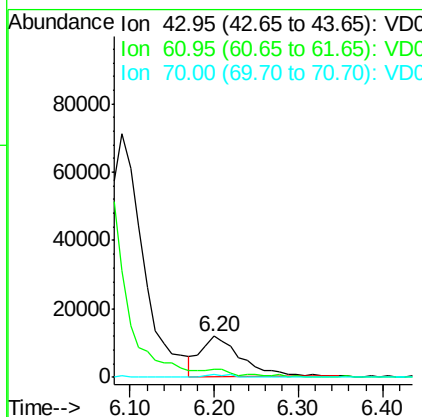
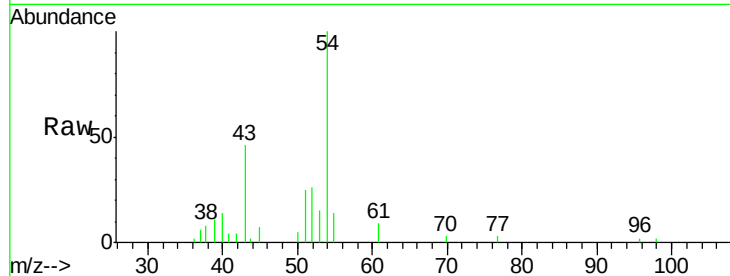




#37
Ethyl Acetate
Concen: 19.753 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

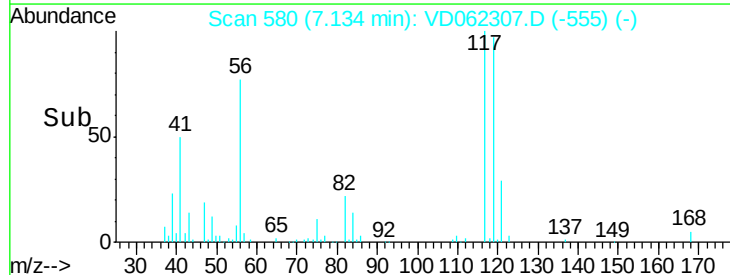
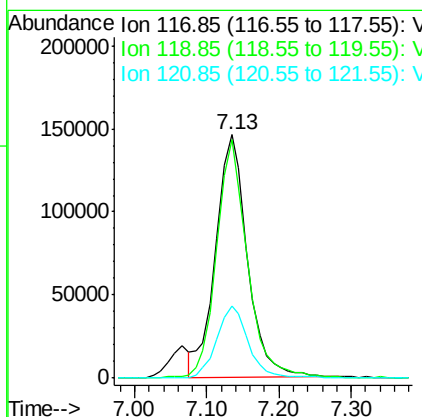
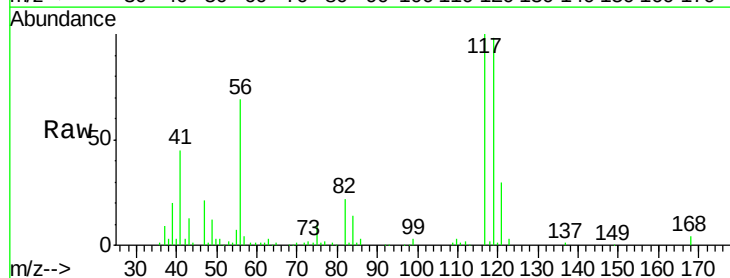
Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

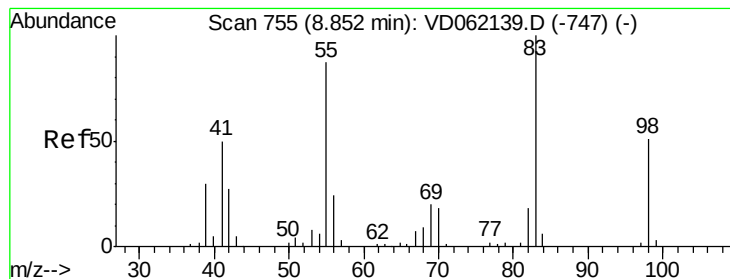
Tot Ion: 43 Resp: 38185
Ion Ratio Lower Upper
43 100
61 18.7 14.7 22.1
70 7.4 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 70.149 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.04 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion: 117 Resp: 442576
Ion Ratio Lower Upper
117 100
119 97.7 75.8 113.8
121 29.5 25.9 38.9





#39

Methylvlcyclohexane

Concen: 43.481 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

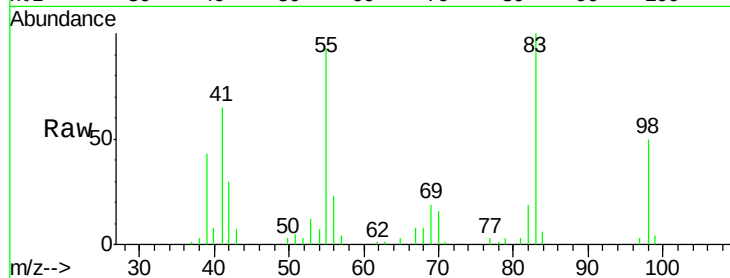
Tot Ion: 83 Resp: 189899

Ion Ratio Lower Upper

83 100

55 92.6 68.2 102.4

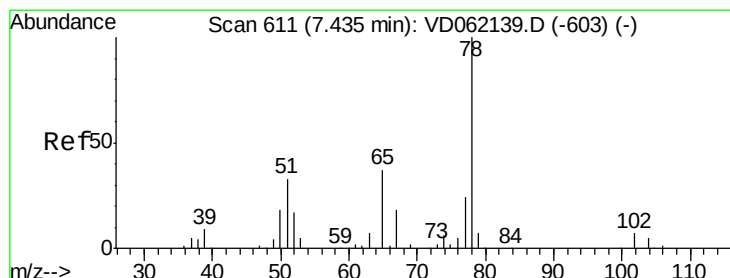
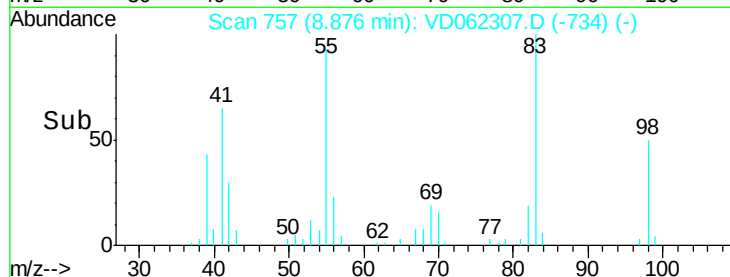
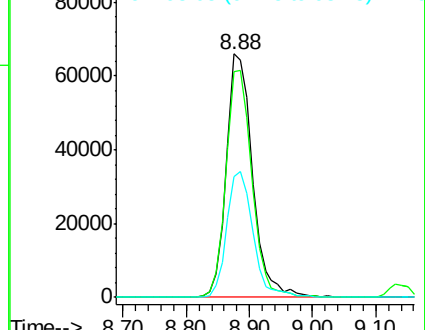
98 49.8 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 53.413 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD062307.D

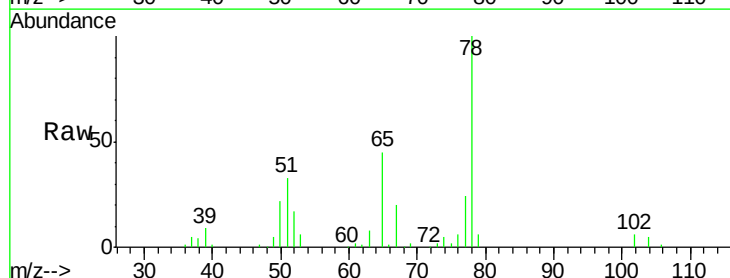
Acq: 13 May 2019 16:21

Tgt Ion: 78 Resp: 549785

Ion Ratio Lower Upper

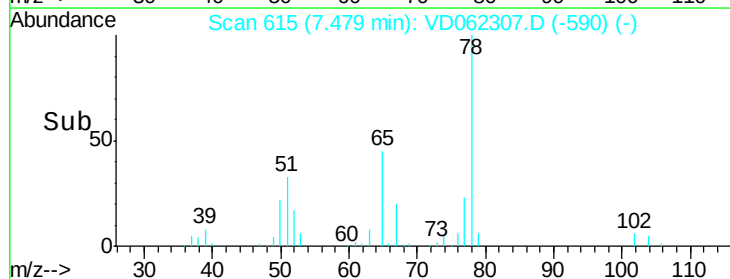
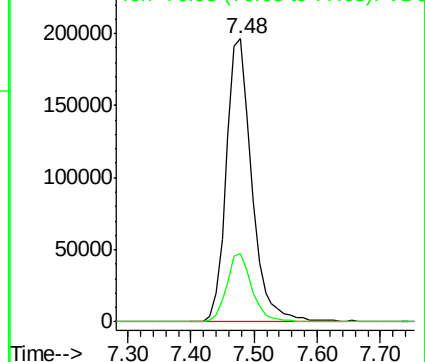
78 100

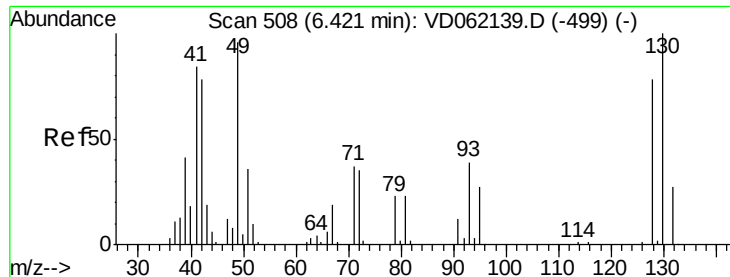
77 24.0 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

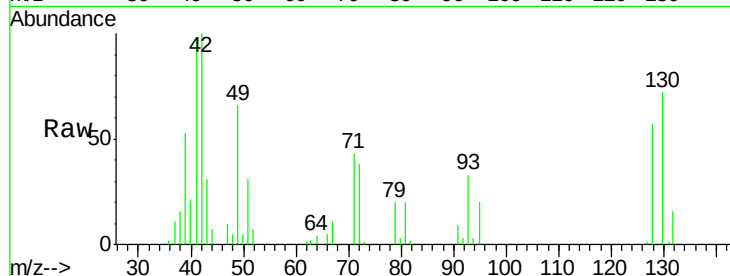




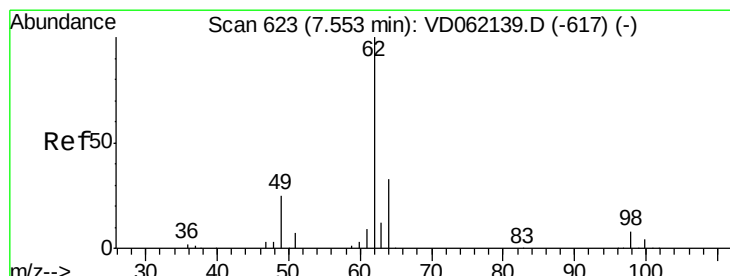
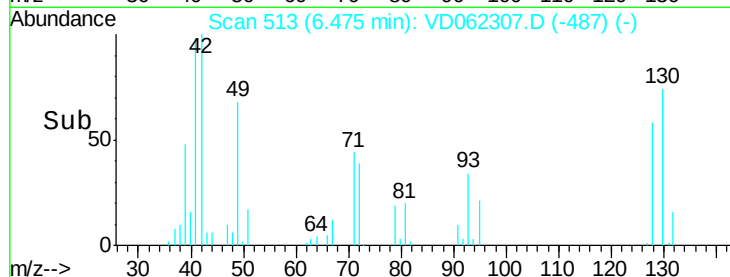
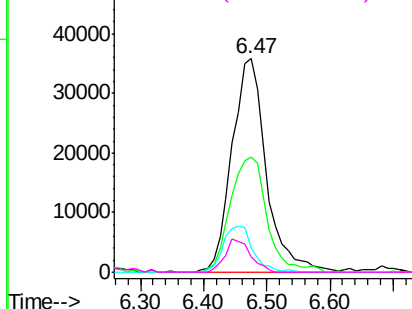
#41
Methacrylonitrile
Concen: 57.264 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

Tot Ion: 41 Resp: 135277
Ion Ratio Lower Upper
41 100
39 54.0 34.1 51.1#
67 11.7 23.8 35.6#
52 7.5 8.8 13.2#

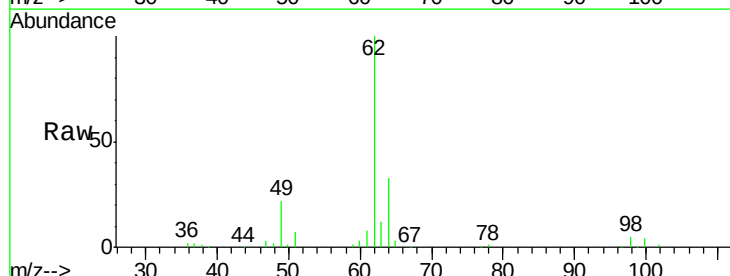


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

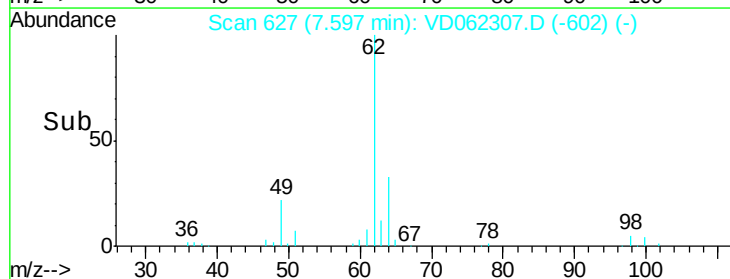
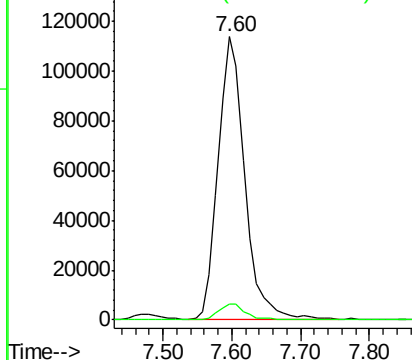


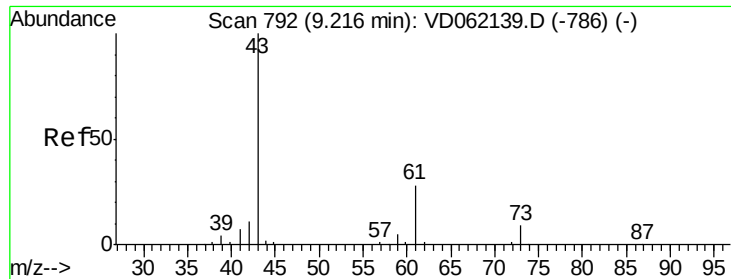
#42
1,2-Dichloroethane
Concen: 70.117 ug/l
RT: 7.60 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion: 62 Resp: 305785
Ion Ratio Lower Upper
62 100
98 5.4 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 14.589 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.04 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

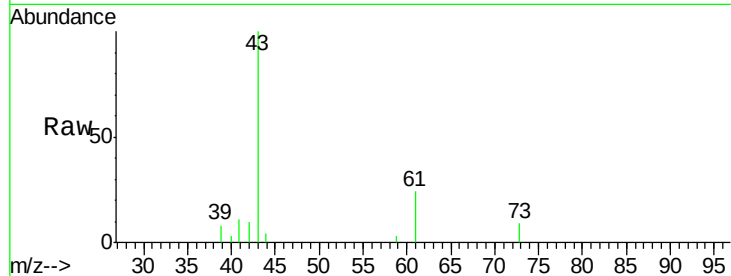
Tot Ion: 43 Resp: 39996

Ion Ratio Lower Upper

43 100

61 23.8 25.1 37.7#

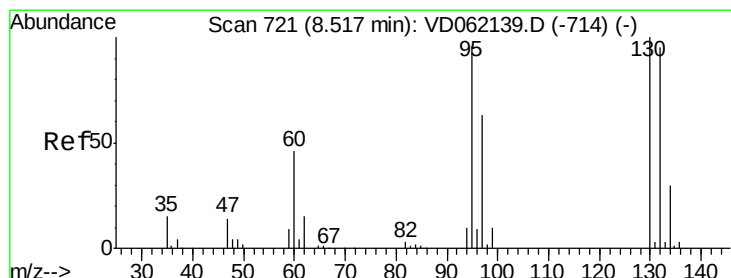
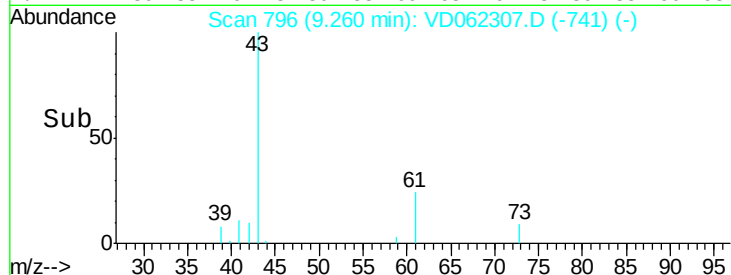
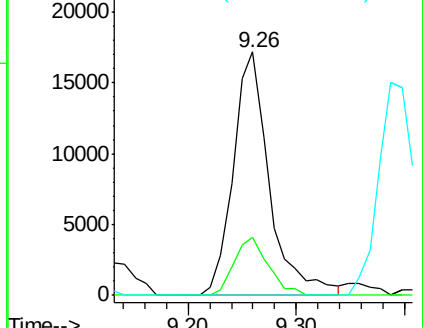
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 42.801 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.04 min

Lab File: VD062307.D

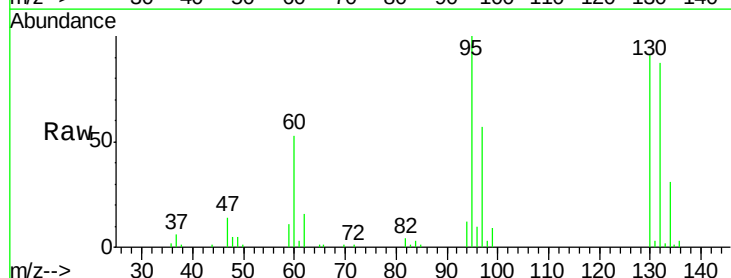
Acq: 13 May 2019 16:21

Tgt Ion:130 Resp: 167878

Ion Ratio Lower Upper

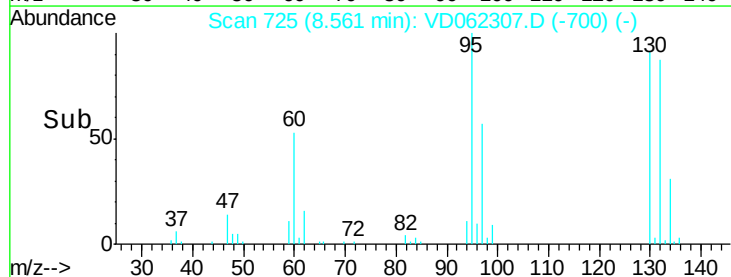
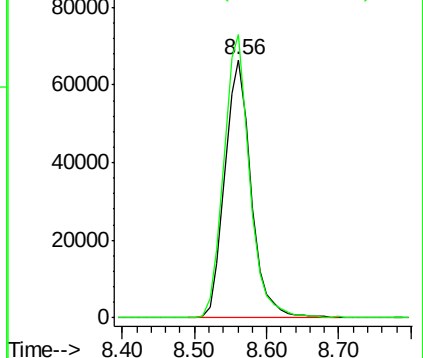
130 100

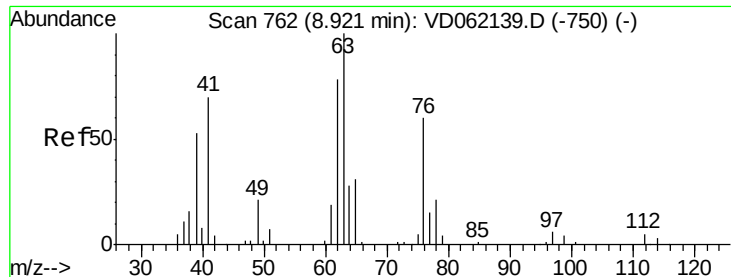
95 109.7 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

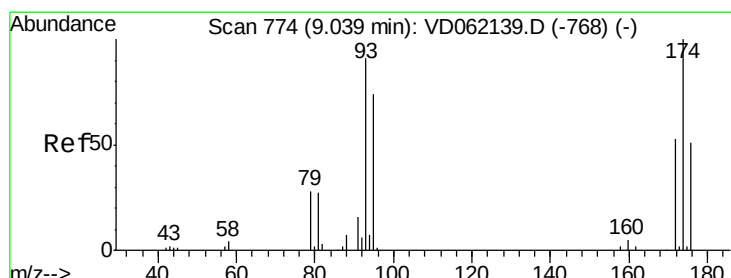
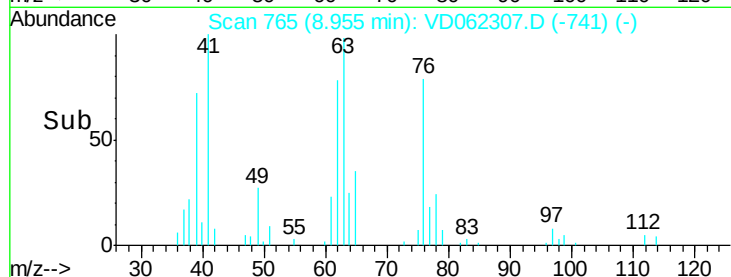
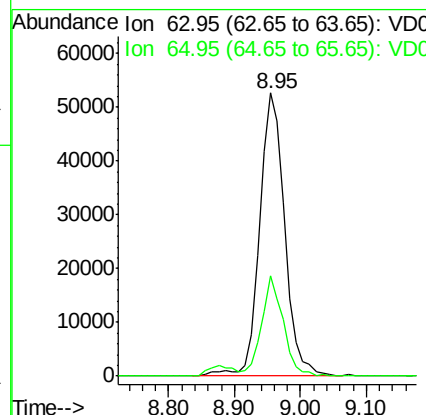
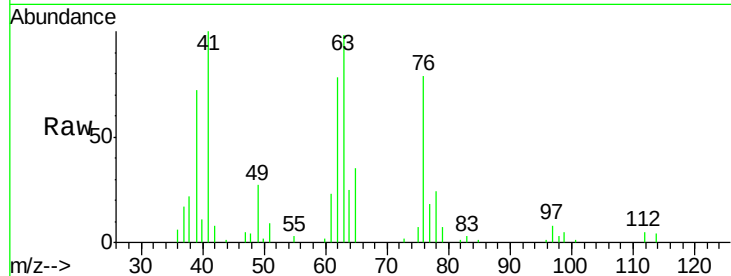




#45
 1,2-Dichloropropane
 Concen: 55.178 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.03 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

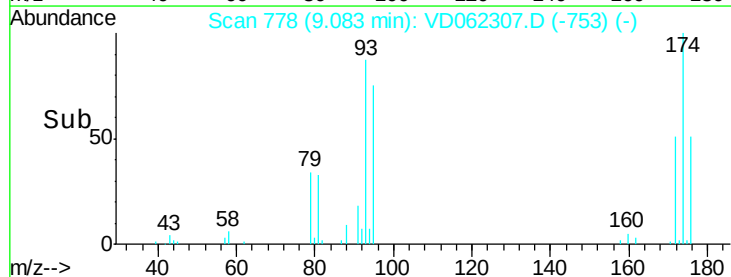
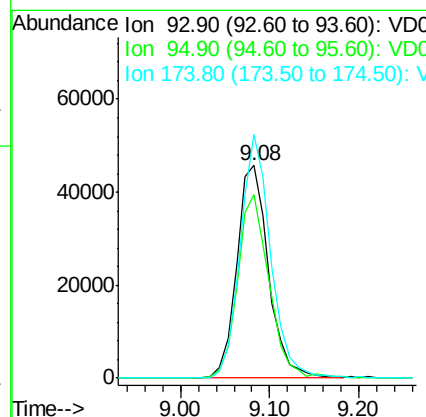
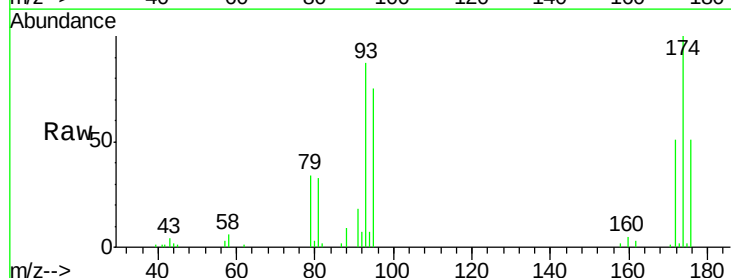
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

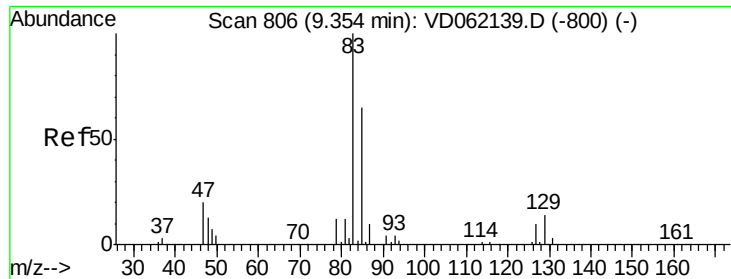
Tot Ion: 63 Resp: 140484
 Ion Ratio Lower Upper
 63 100
 65 35.7 23.8 35.6#



#46
 Dibromomethane
 Concen: 54.904 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.04 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion: 93 Resp: 113673
 Ion Ratio Lower Upper
 93 100
 95 86.1 64.8 97.2
 174 114.6 79.3 118.9





#47

Bromodichloromethane

Concen: 67.275 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

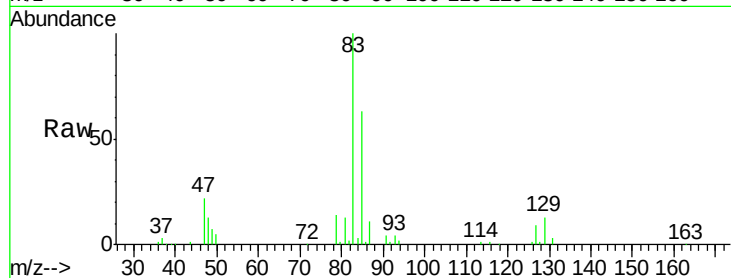
Tot Ion: 83 Resp: 340700

Ion Ratio Lower Upper

83 100

85 63.0 50.9 76.3

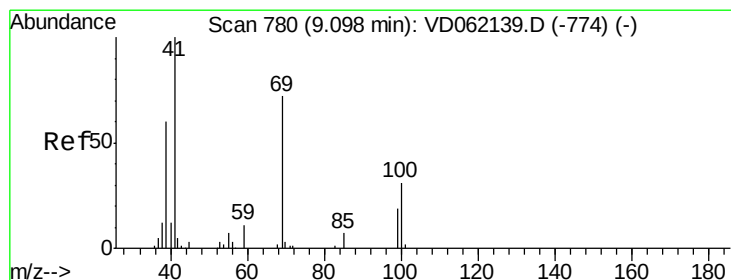
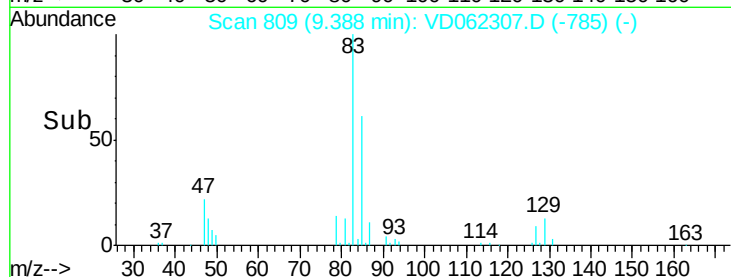
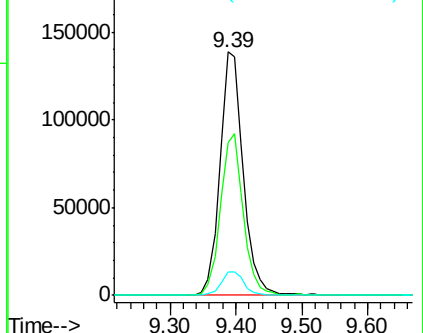
127 9.5 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 81.306 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

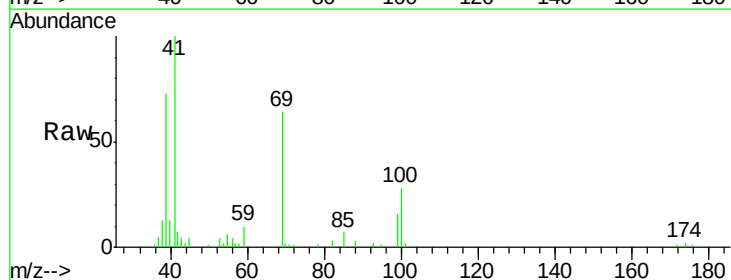
Tgt Ion: 41 Resp: 137301

Ion Ratio Lower Upper

41 100

69 63.8 64.2 96.2#

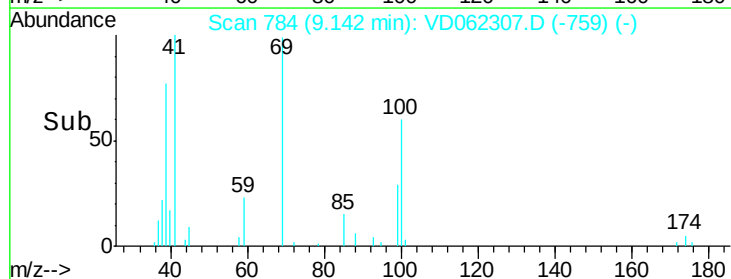
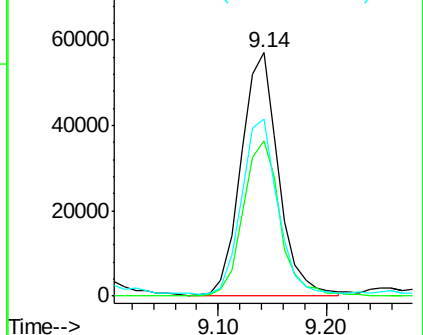
39 72.8 46.8 70.2#

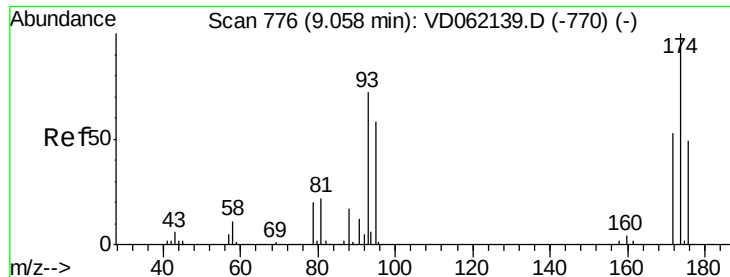


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

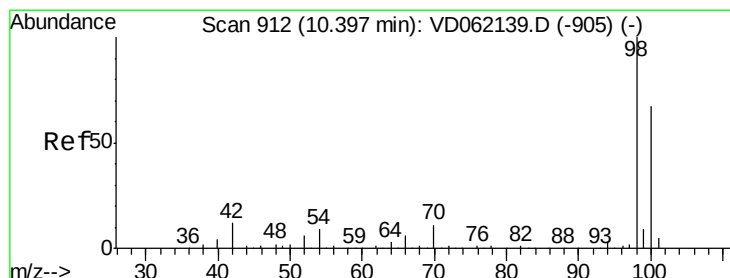
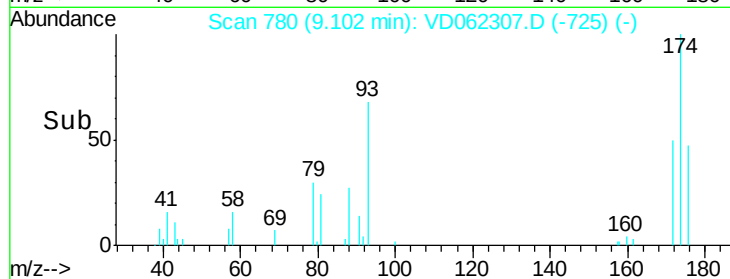
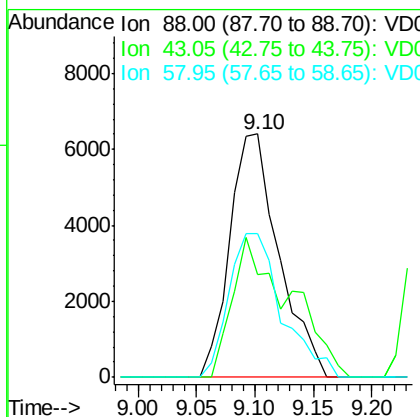
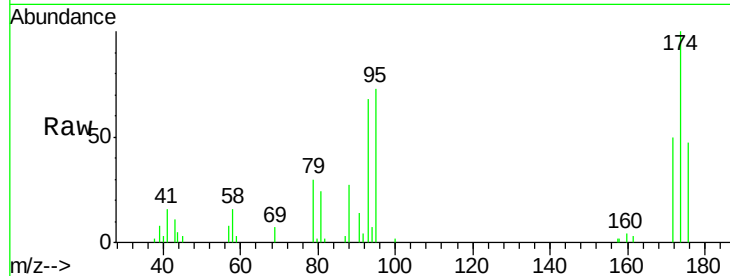




#49
 1,4-Dioxane
 Concen: 1026.877 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.04 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

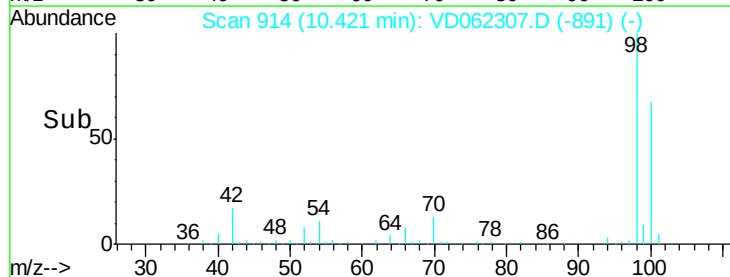
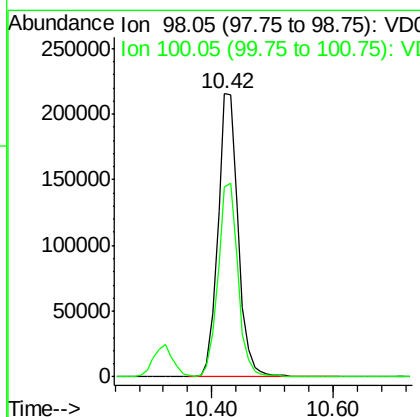
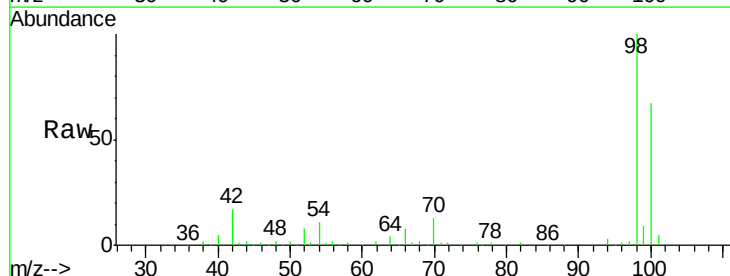
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

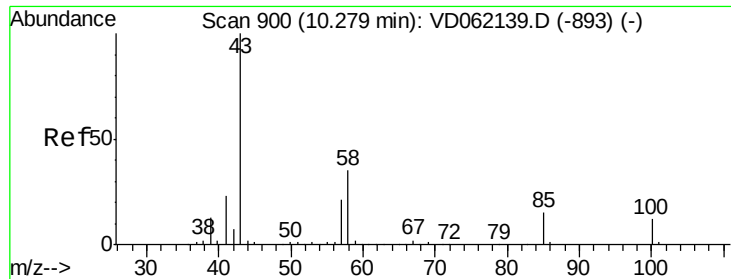
Tot Ion: 88 Resp: 18710
 Ion Ratio Lower Upper
 88 100
 43 42.0 23.4 35.0#
 58 58.9 44.0 66.0



#50
 Toluene-d8
 Concen: 44.622 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion: 98 Resp: 496275
 Ion Ratio Lower Upper
 98 100
 100 67.3 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 284.562 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

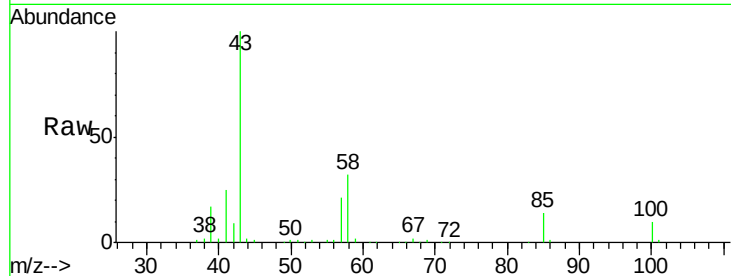
P026-SS012-0002-01MS

Tot Ion: 43 Resp: 501488

Ion Ratio Lower Upper

43 100

58 31.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

200000

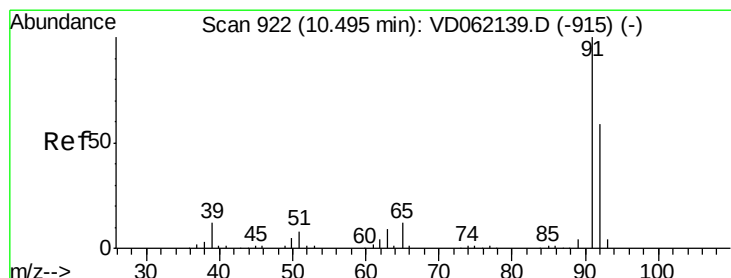
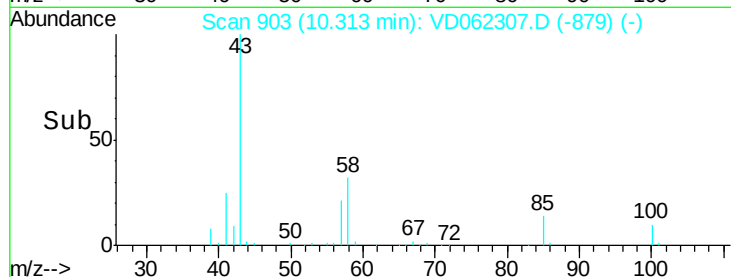
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 47.327 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062307.D

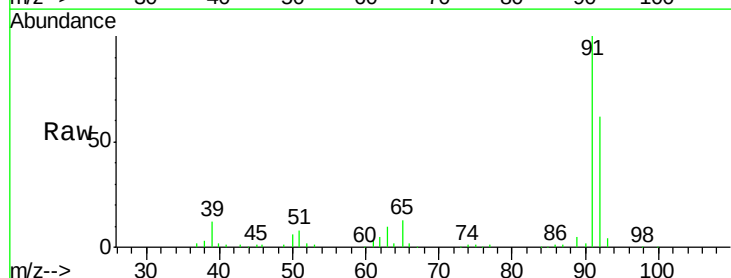
Acq: 13 May 2019 16:21

Tgt Ion: 92 Resp: 316955

Ion Ratio Lower Upper

92 100

91 162.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

250000

200000

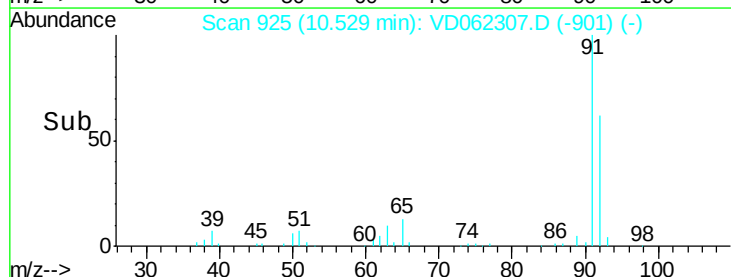
150000

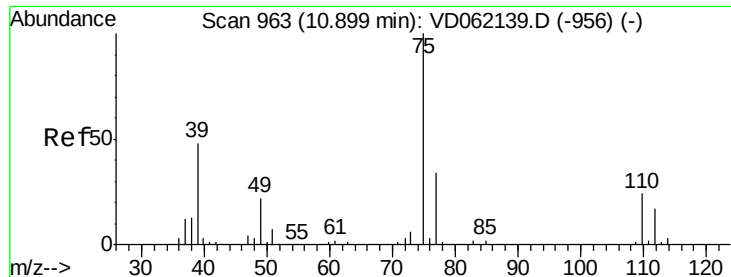
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 44.945 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

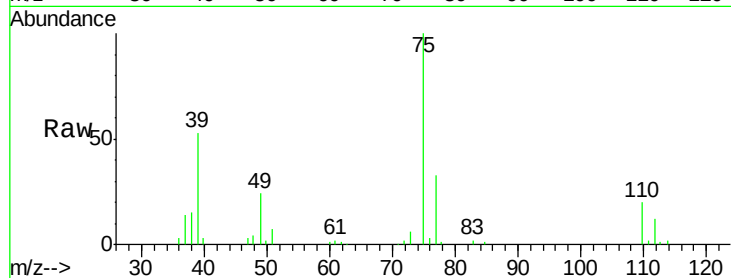
P026-SS012-0002-01MS

Tot Ion: 75 Resp: 196721

Ion Ratio Lower Upper

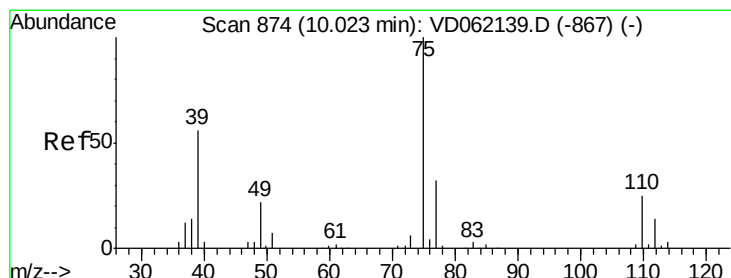
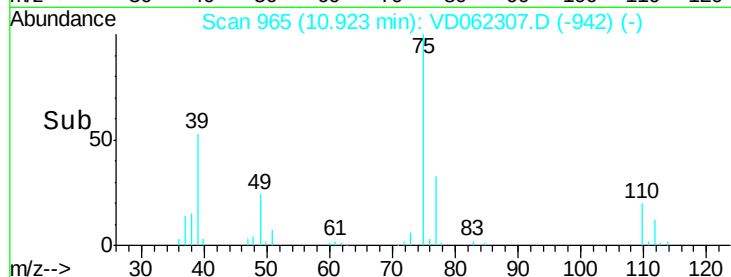
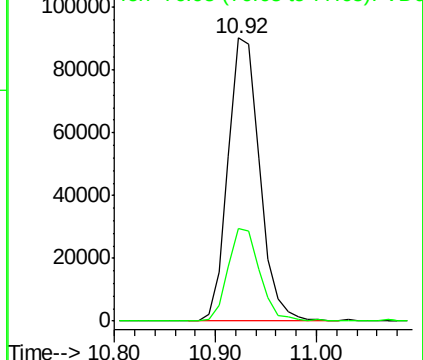
75 100

77 32.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.501 ug/l

RT: 10.06 min Scan# 877

Delta R.T. 0.03 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

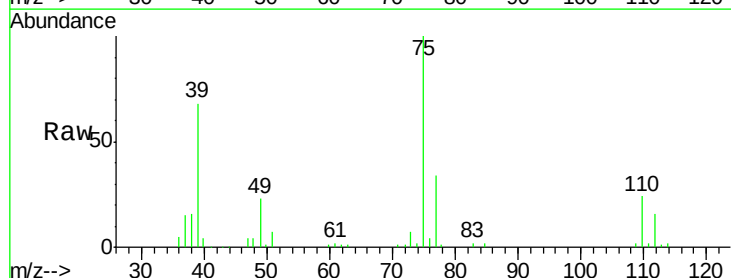
Tgt Ion: 75 Resp: 241136

Ion Ratio Lower Upper

75 100

77 33.6 25.5 38.3

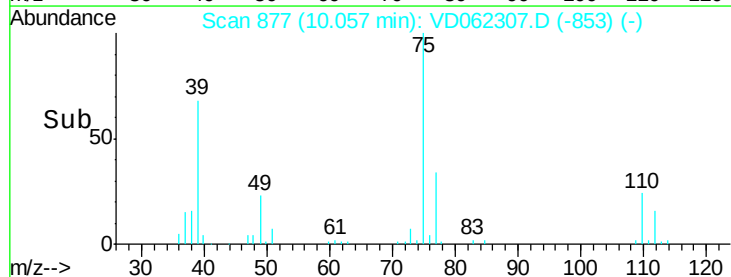
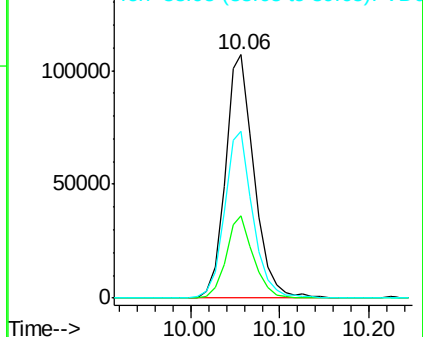
39 68.3 39.4 59.2#

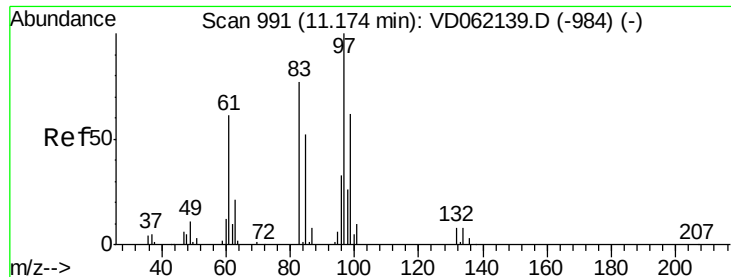


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 58.002 ug/l

RT: 11.21 min Scan# 994

Delta R.T. 0.03 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

Tot Ion: 97 Resp: 137441

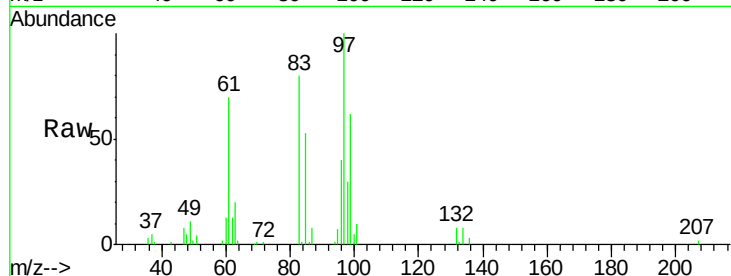
Ion Ratio Lower Upper

97 100

83 79.9 65.7 98.5

85 52.8 45.6 68.4

99 61.9 48.4 72.6

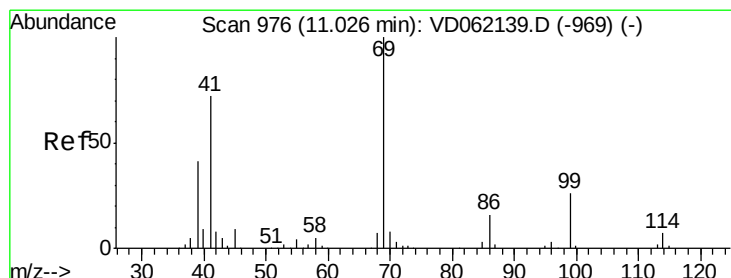
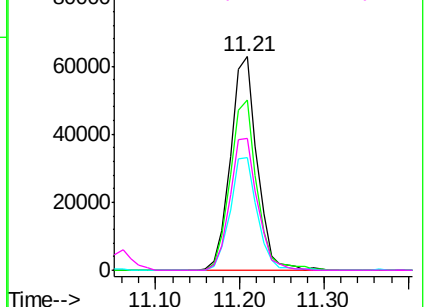
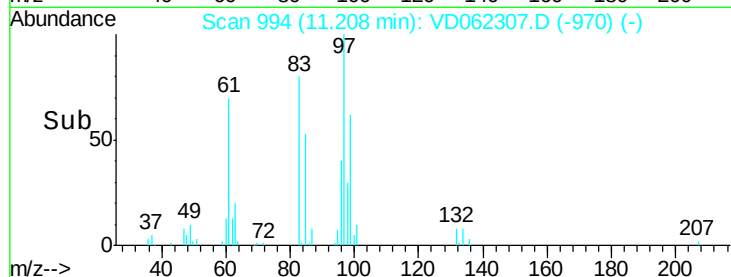


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 18.314 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

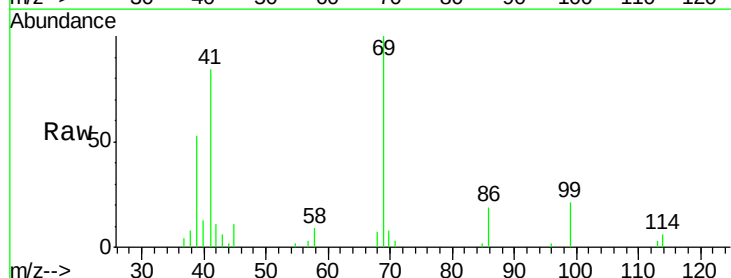
Tgt Ion: 69 Resp: 45096

Ion Ratio Lower Upper

69 100

41 84.4 56.3 84.5

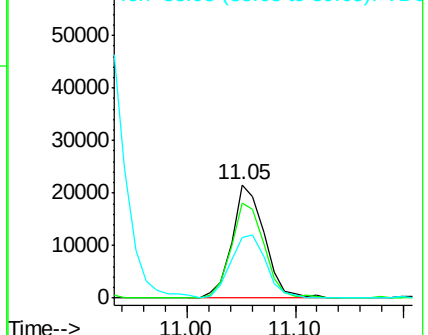
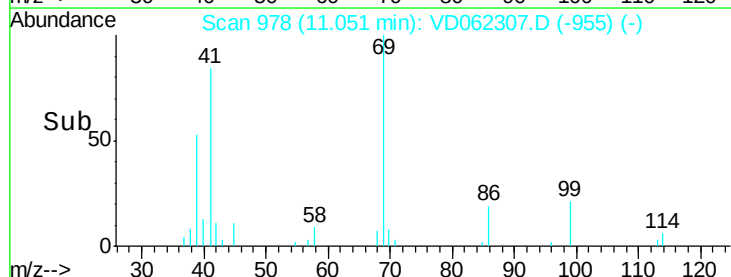
39 53.3 29.4 44.2#

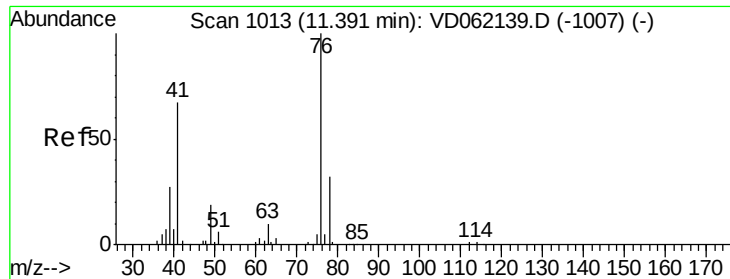


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

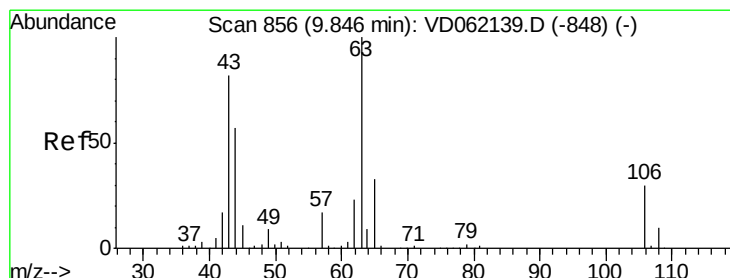
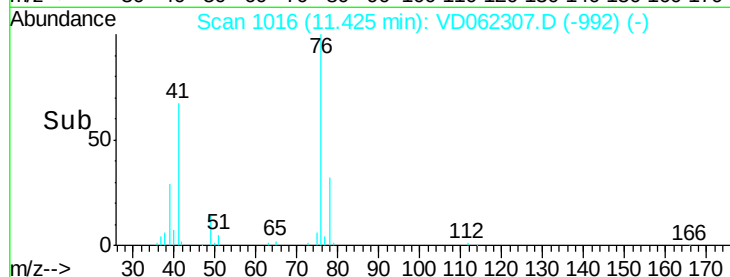
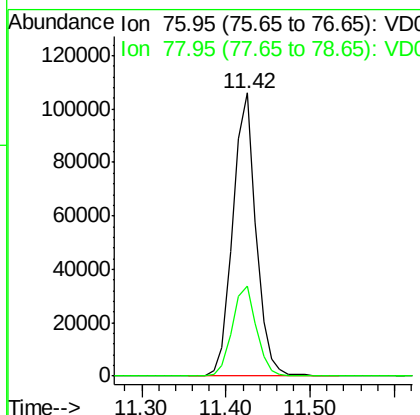
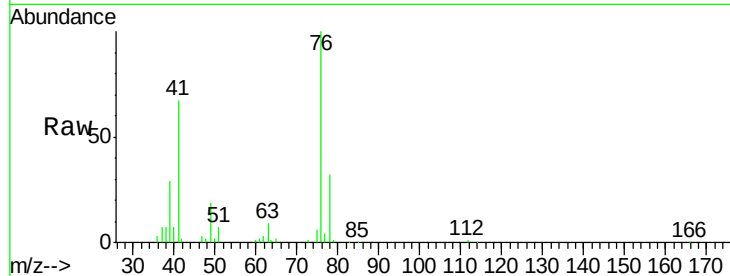




#57
 1,3-Dichloropropane
 Concen: 56.718 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

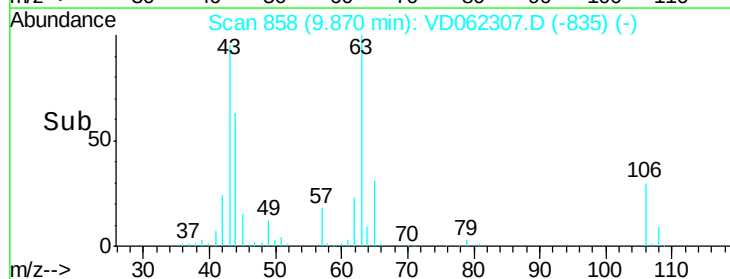
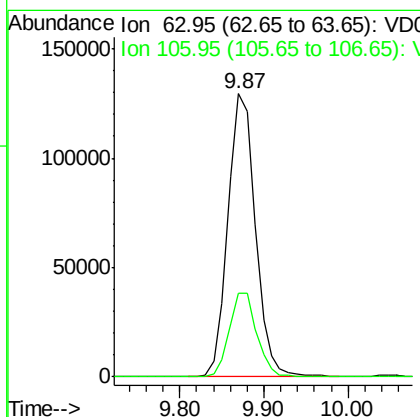
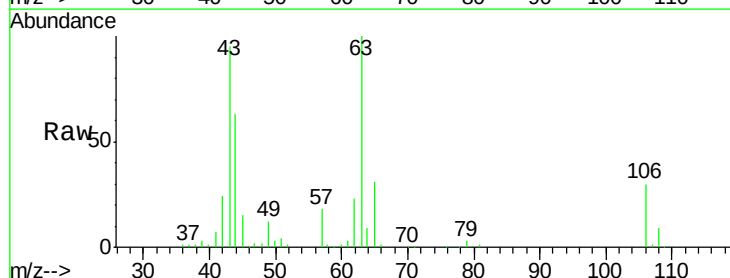
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

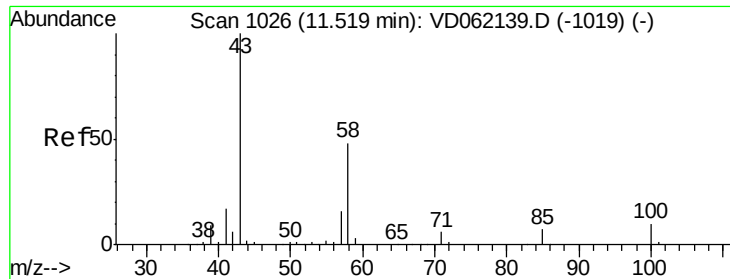
Tot Ion: 76 Resp: 203043
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 218.895 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion: 63 Resp: 294421
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.6 34.0

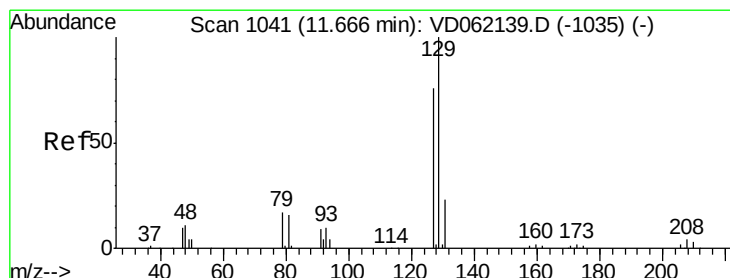
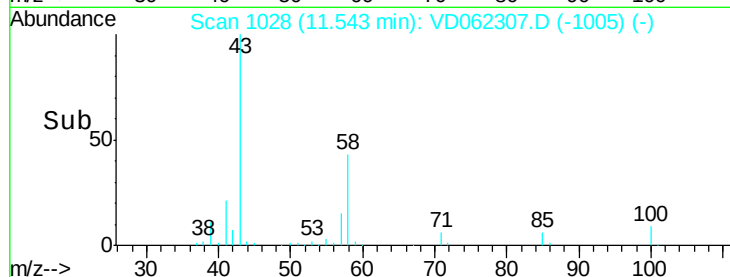
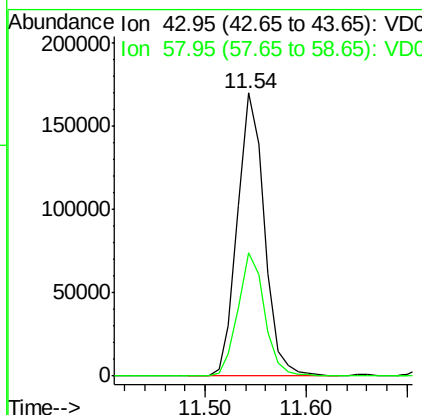
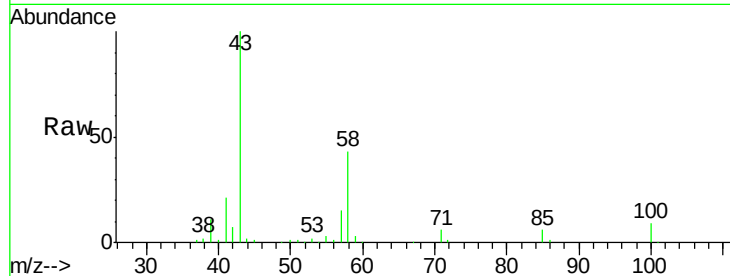




#59
2-Hexanone
Concen: 243.768 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

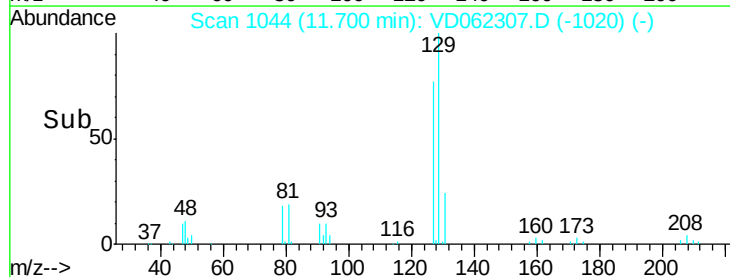
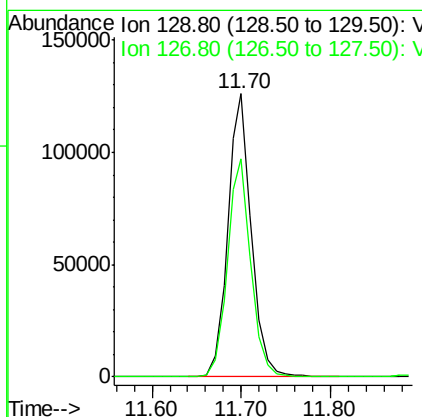
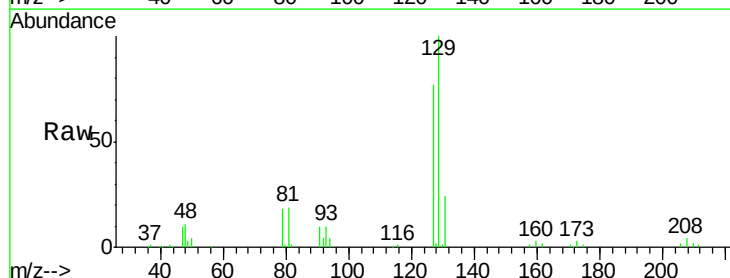
Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

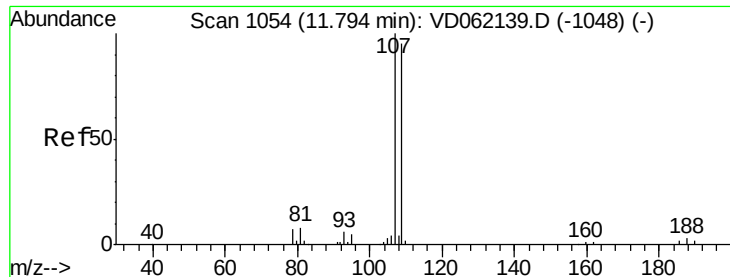
Tot Ion: 43 Resp: 316628
Ion Ratio Lower Upper
43 100
58 43.5 25.4 76.4



#60
Dibromochloromethane
Concen: 56.811 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion: 129 Resp: 232652
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9

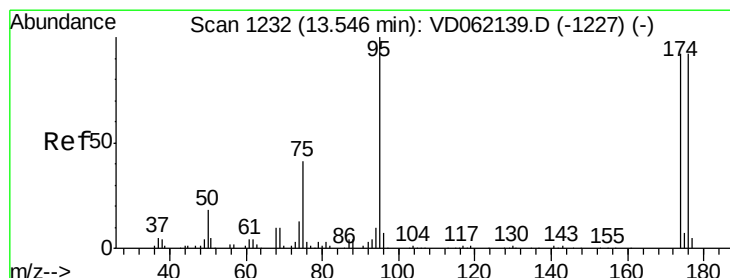
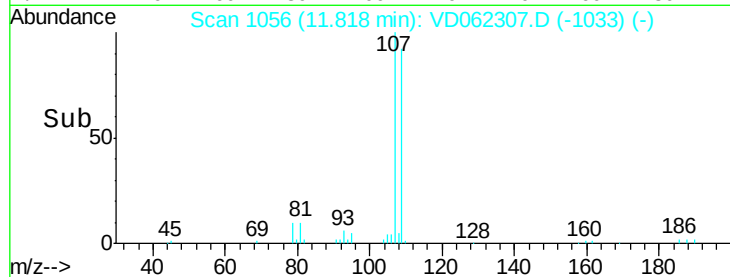
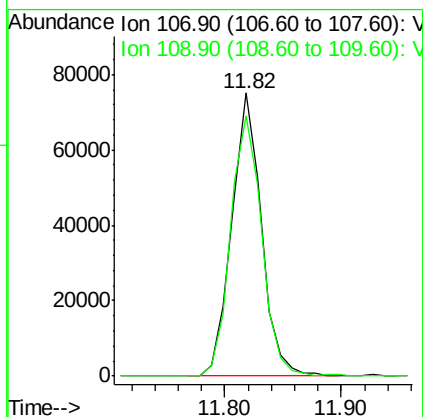
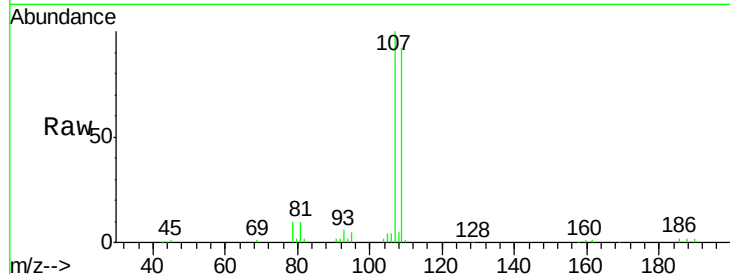




#61
 1,2-Dibromoethane
 Concen: 45.815 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

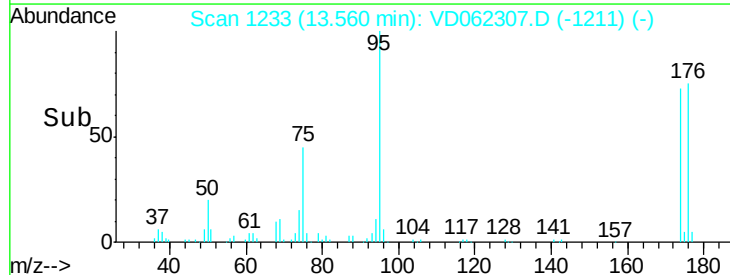
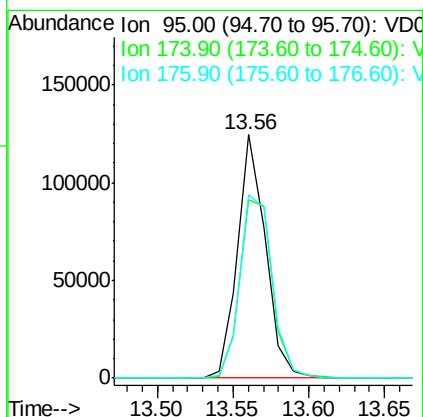
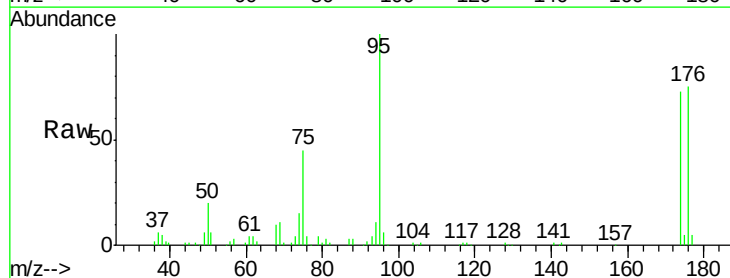
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

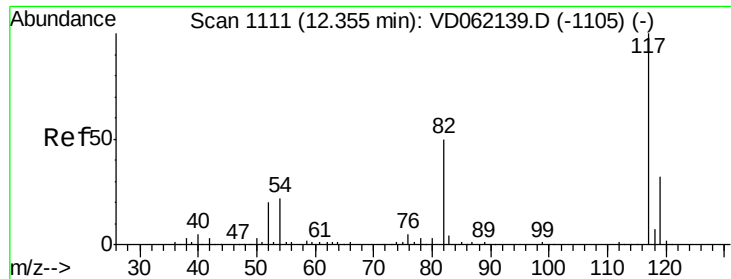
Tot Ion:107 Resp: 131989
 Ion Ratio Lower Upper
 107 100
 109 92.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 35.679 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion: 95 Resp: 159349
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 181.8
 176 75.1 0.0 174.4

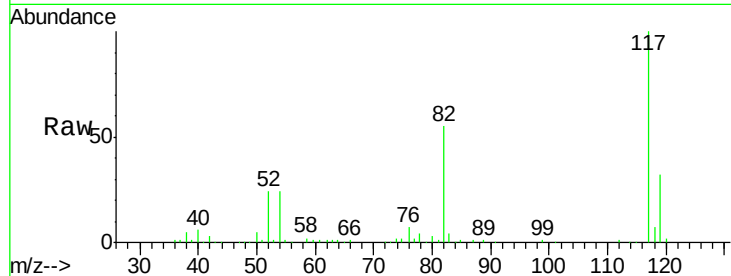




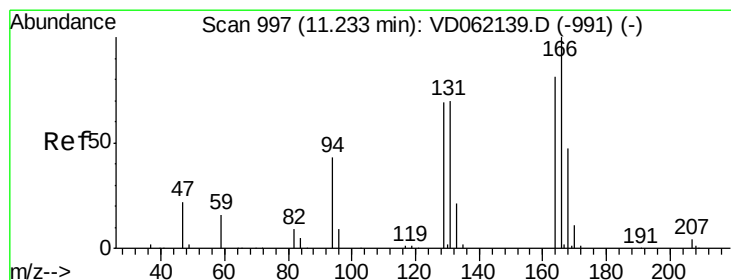
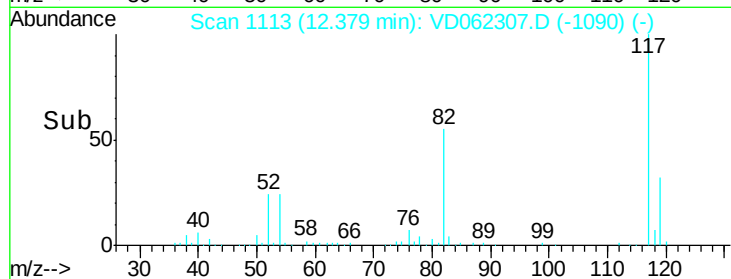
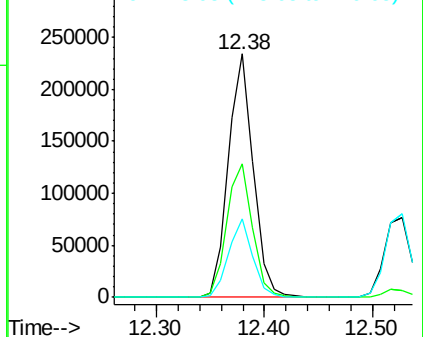
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

Tot Ion:117 Resp: 376528
Ion Ratio Lower Upper
117 100
82 55.1 36.2 54.2#
119 32.0 26.2 39.4

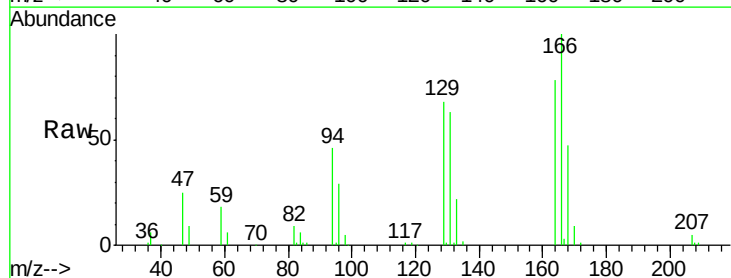


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

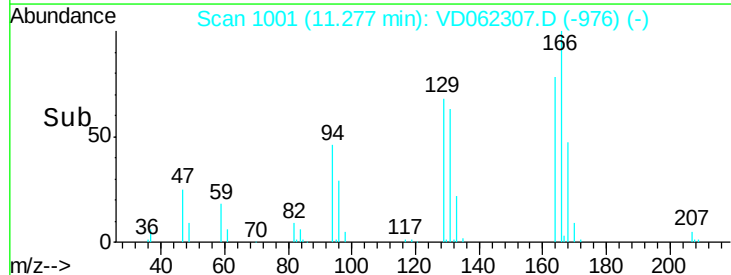
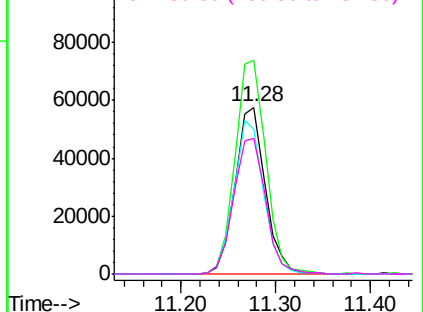


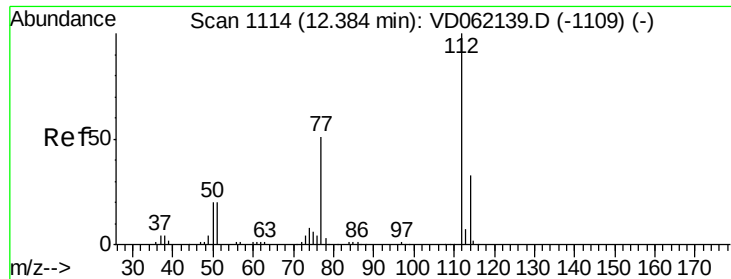
#64
Tetrachloroethene
Concen: 43.197 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion:164 Resp: 127184
Ion Ratio Lower Upper
164 100
166 128.2 101.5 152.3
129 86.9 74.6 112.0
131 81.2 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 46.199 ug/l

RT: 12.41 min Scan# 1116

Delta R.T. 0.02 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

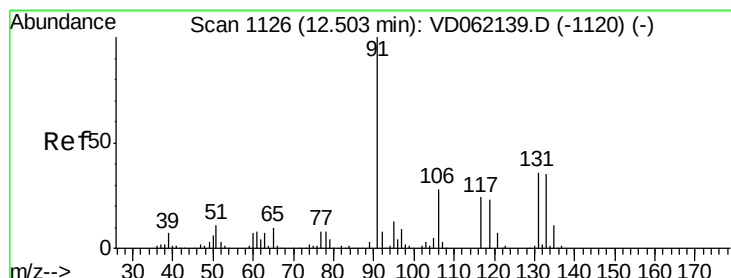
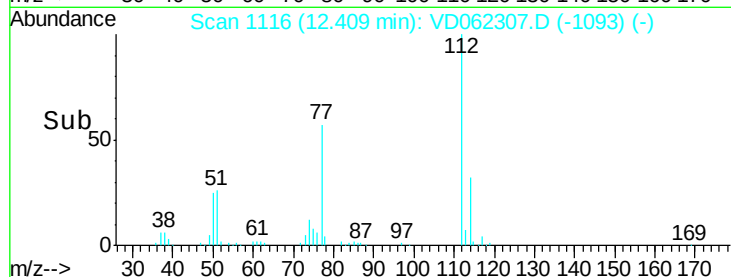
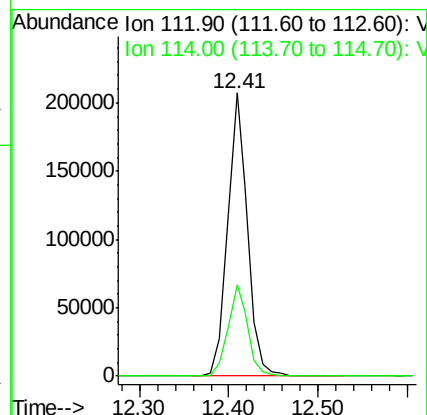
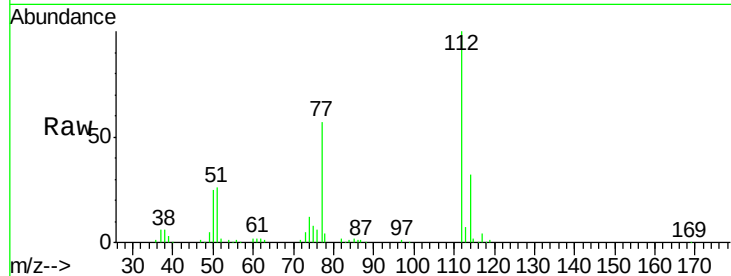
P026-SS012-0002-01MS

Tot Ion:112 Resp: 323994

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 74.099 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

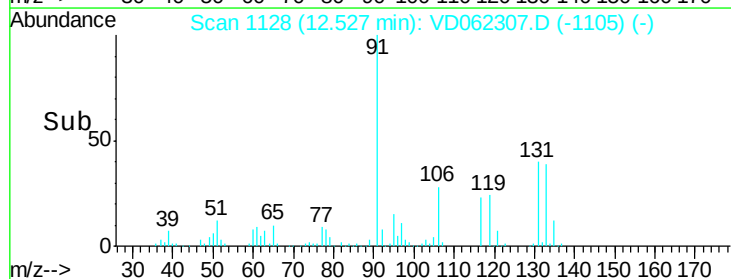
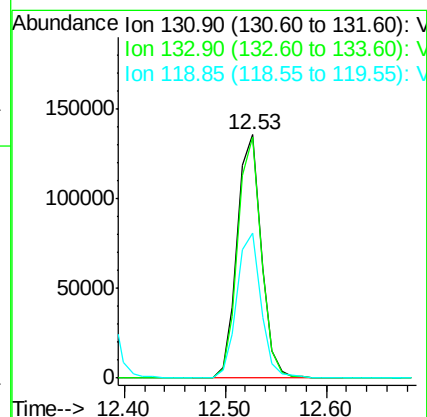
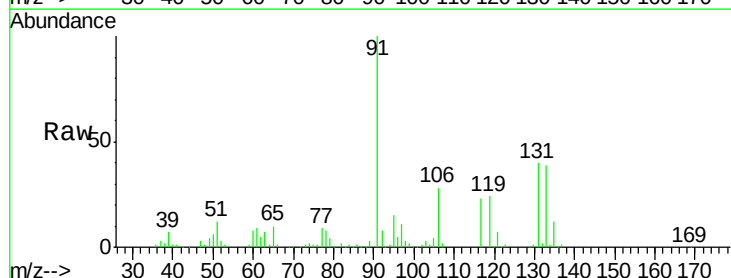
Tgt Ion:131 Resp: 226159

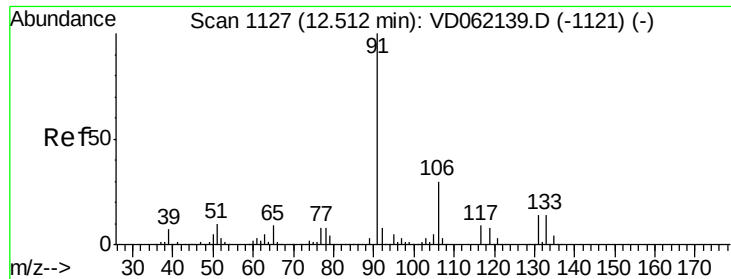
Ion Ratio Lower Upper

131 100

133 98.8 48.6 145.8

119 59.4 34.7 104.1

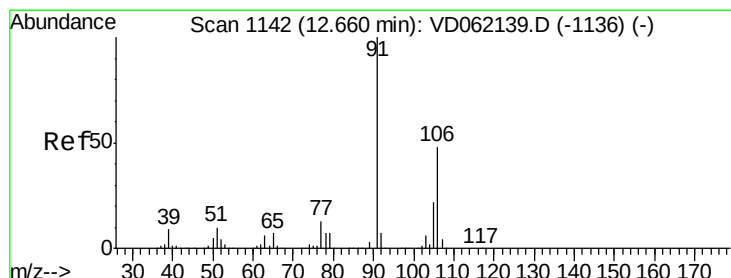
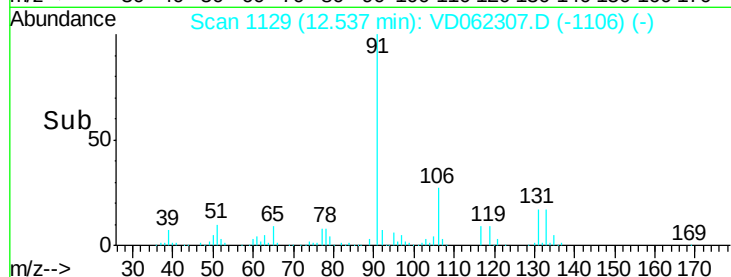
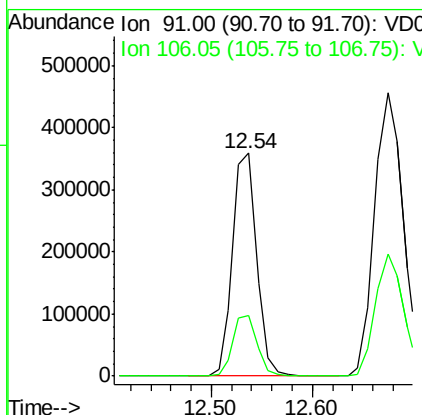
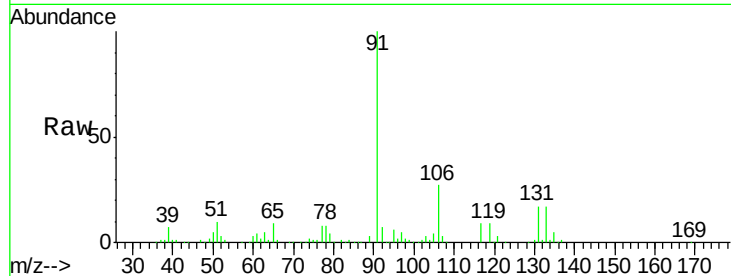




#67
Ethyl Benzene
Concen: 50.767 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

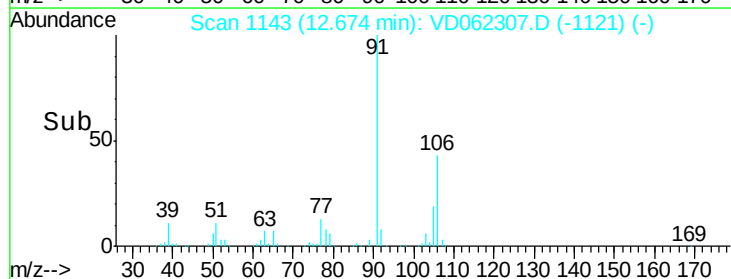
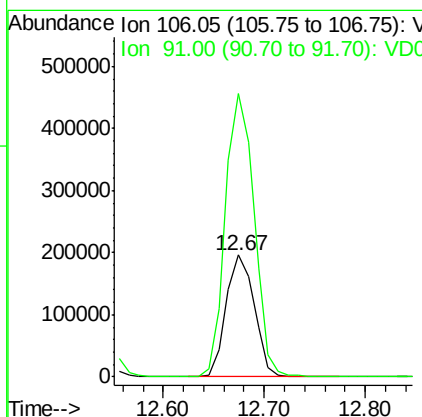
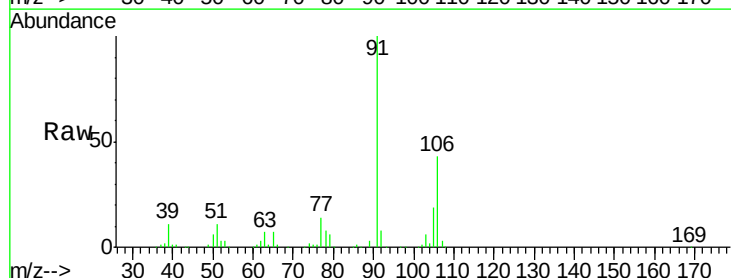
Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

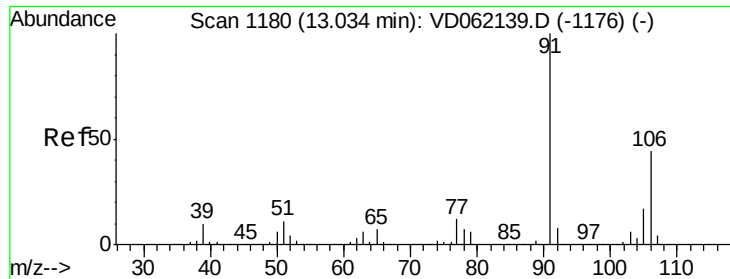
Tot Ion: 91 Resp: 596040
Ion Ratio Lower Upper
91 100
106 27.3 24.7 37.1



#68
m/p-Xylenes
Concen: 89.398 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion: 106 Resp: 381867
Ion Ratio Lower Upper
106 100
91 232.3 164.0 246.0

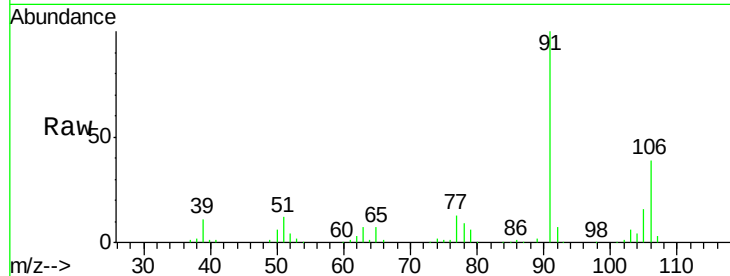




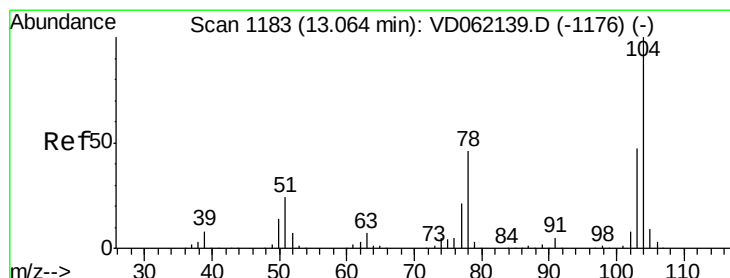
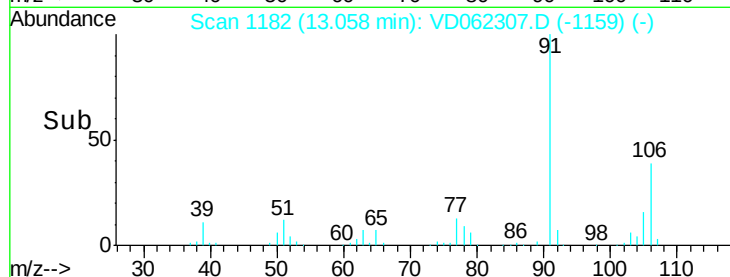
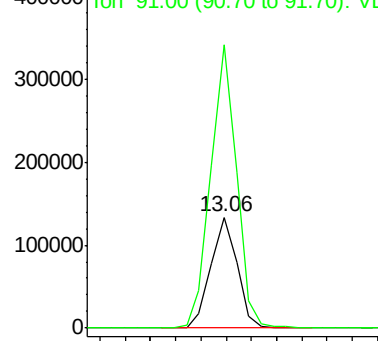
#69
o-Xylene
Concen: 48.818 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

Tot Ion:106 Resp: 193867
Ion Ratio Lower Upper
106 100
91 255.8 106.7 319.9

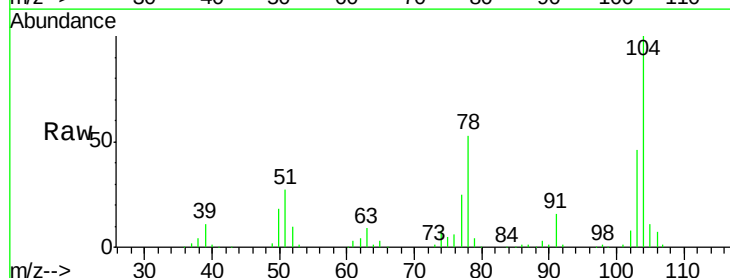


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

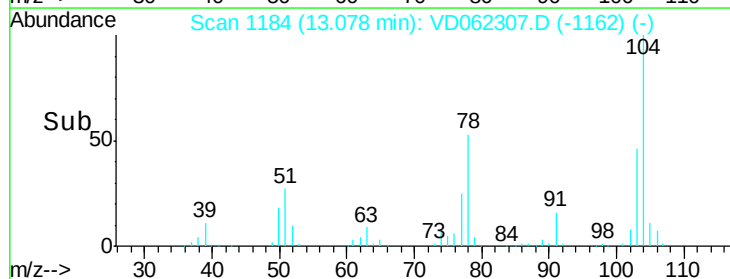
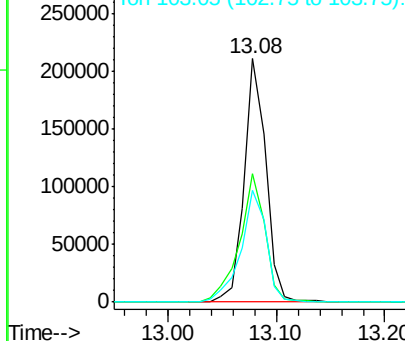


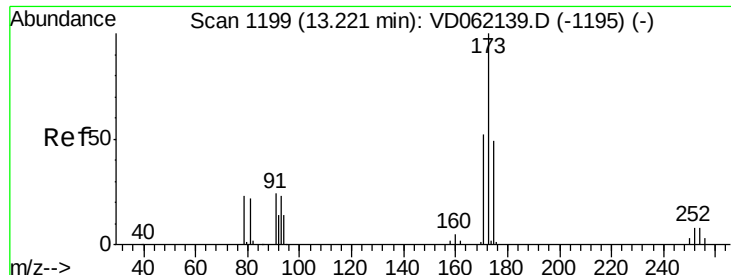
#70
Styrene
Concen: 43.721 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion:104 Resp: 294122
Ion Ratio Lower Upper
104 100
78 52.9 35.4 53.2
103 45.7 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 64.090 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

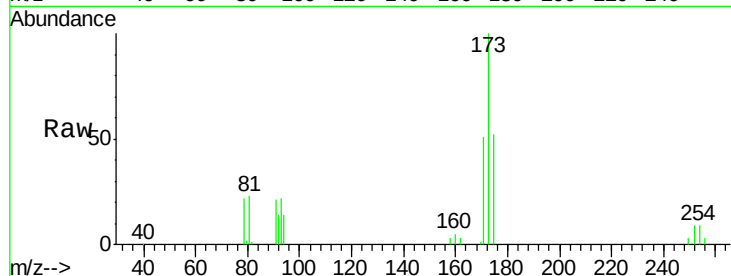
Tot Ion:173 Resp: 136093

Ion Ratio Lower Upper

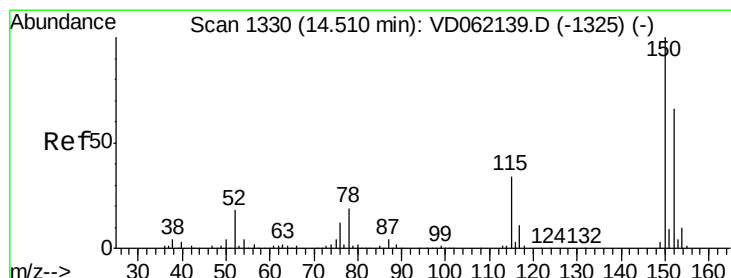
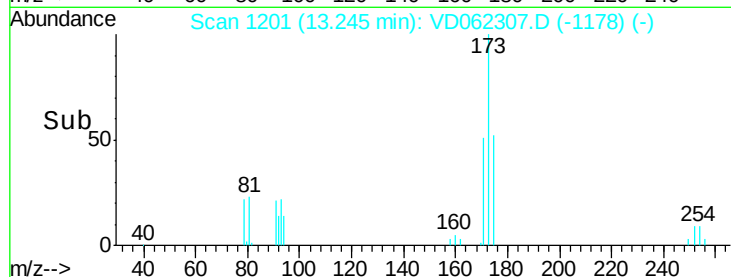
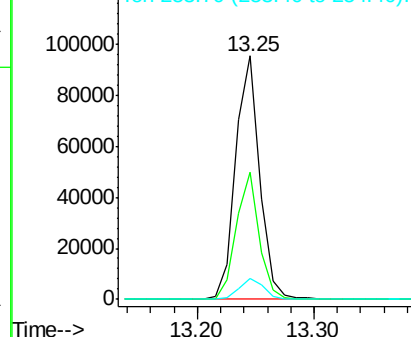
173 100

175 52.1 24.4 73.4

254 8.8 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

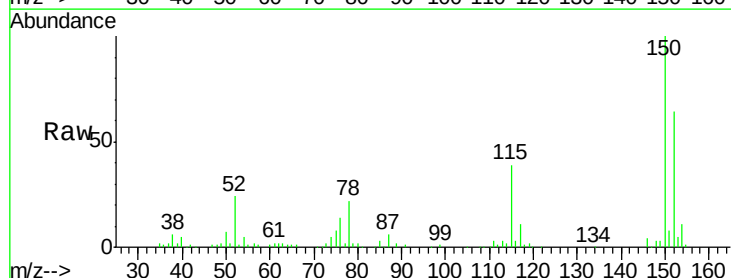
Tgt Ion:152 Resp: 127153

Ion Ratio Lower Upper

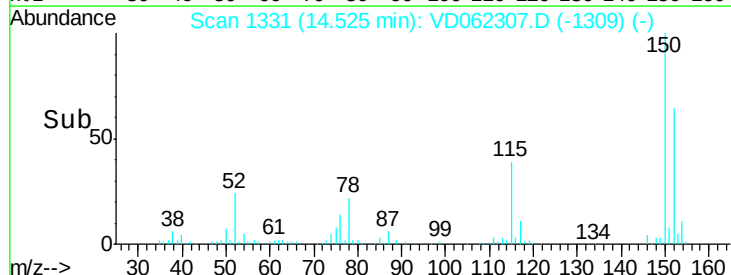
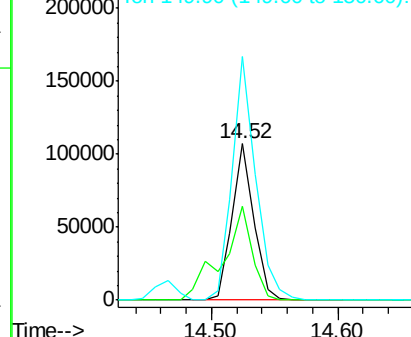
152 100

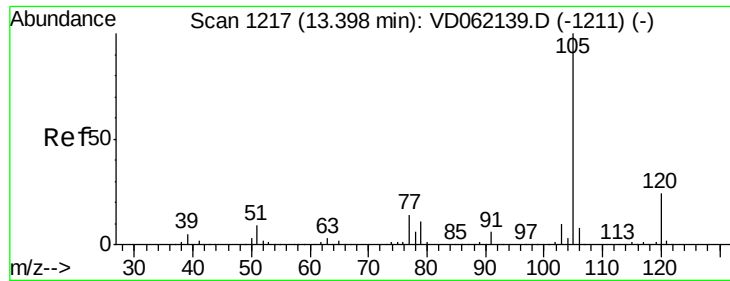
115 60.1 30.9 92.7

150 155.7 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 70.910 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

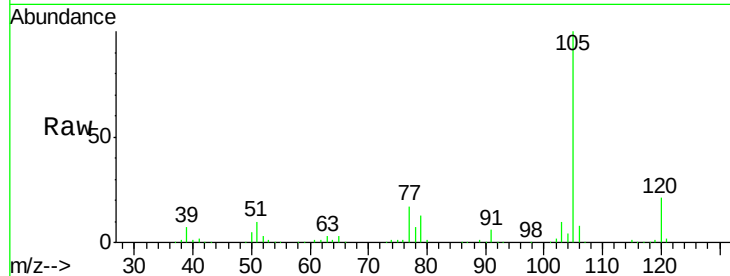
P026-SS012-0002-01MS

Tot Ion:105 Resp: 540470

Ion Ratio Lower Upper

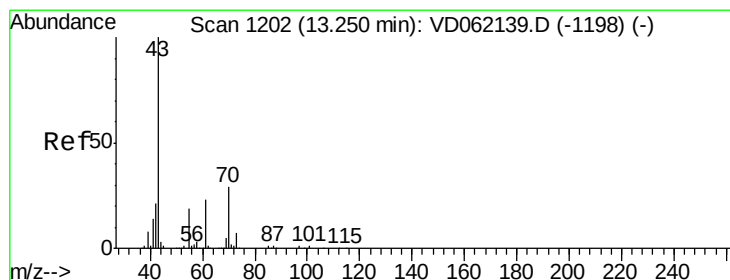
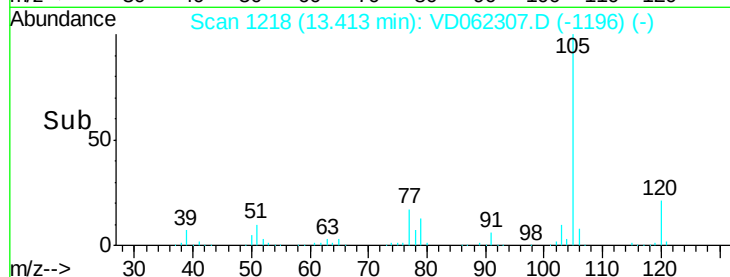
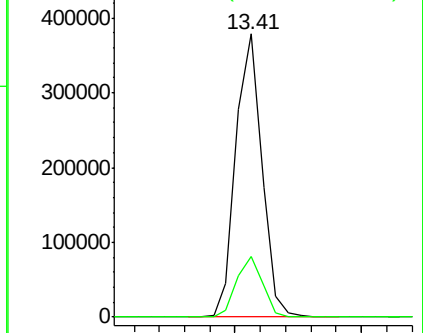
105 100

120 21.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.860 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Tgt Ion: 43 Resp: 19703

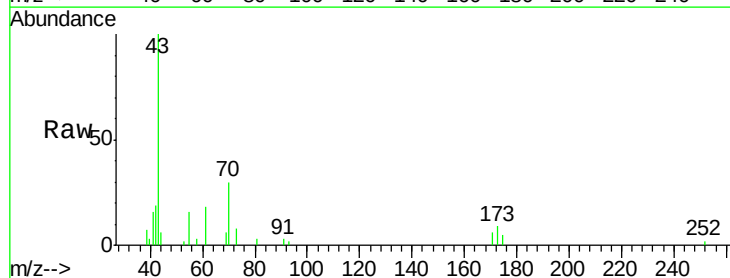
Ion Ratio Lower Upper

43 100

70 29.9 24.2 36.4

55 16.2 16.0 24.0

61 17.8 21.6 32.4#

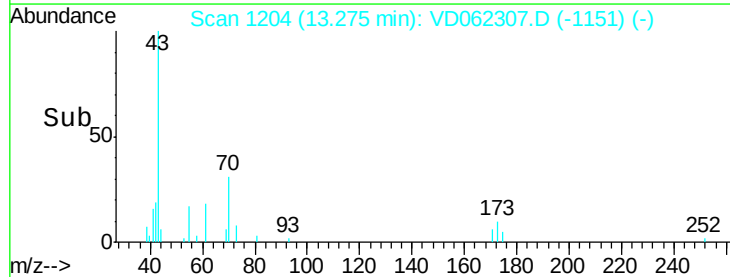
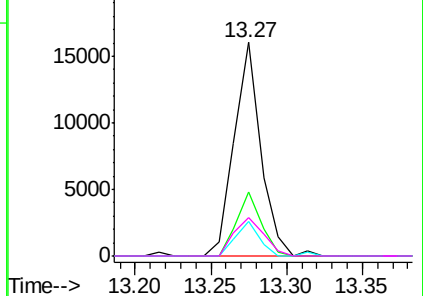


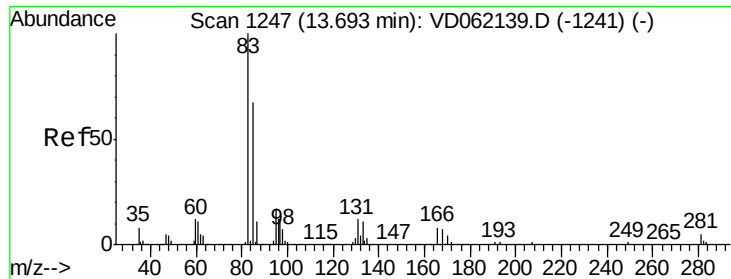
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 95.861 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

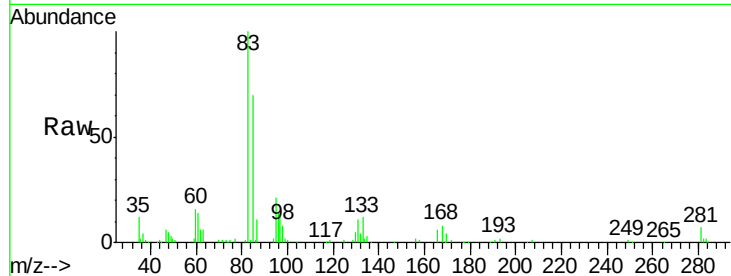
Tot Ion: 83 Resp: 138321

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

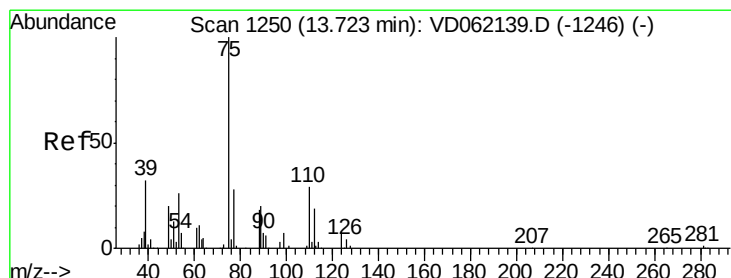
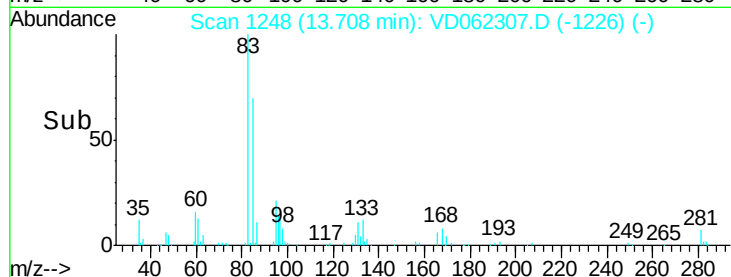
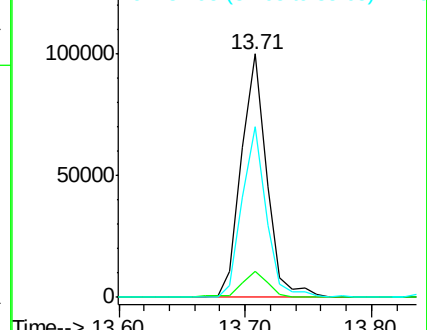
85 70.0 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 91.679 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062307.D

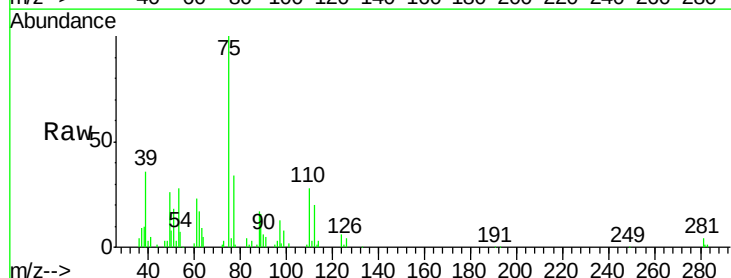
Acq: 13 May 2019 16:21

Tgt Ion: 75 Resp: 138537

Ion Ratio Lower Upper

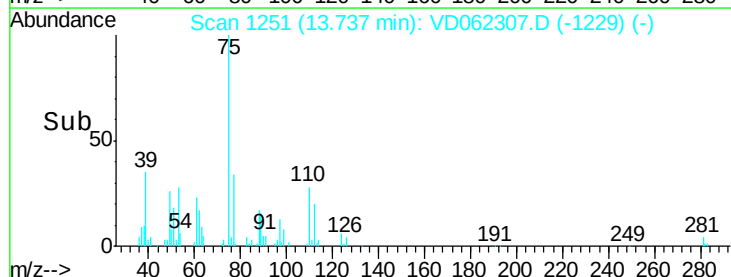
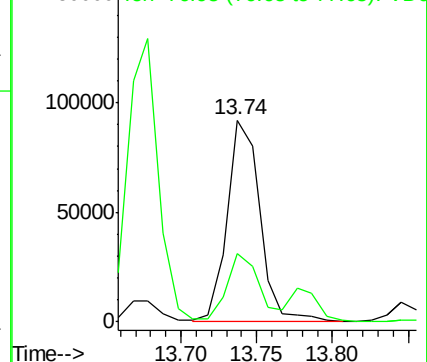
75 100

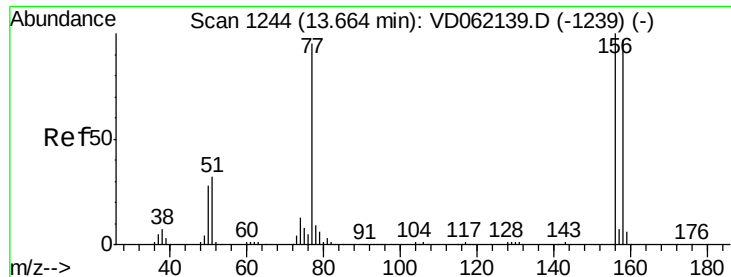
77 34.0 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 67.856 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

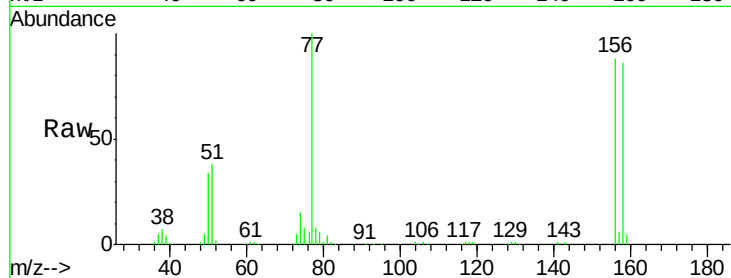
Tot Ion:156 Resp: 144781

Ion Ratio Lower Upper

156 100

77 113.8 53.1 159.4

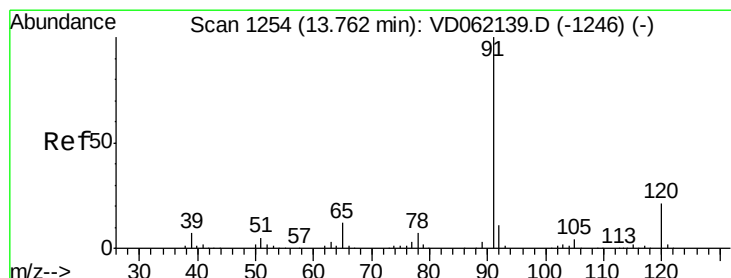
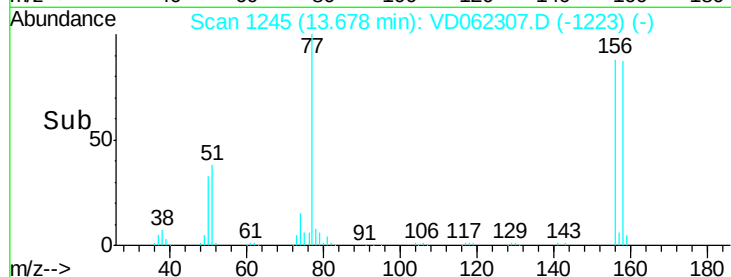
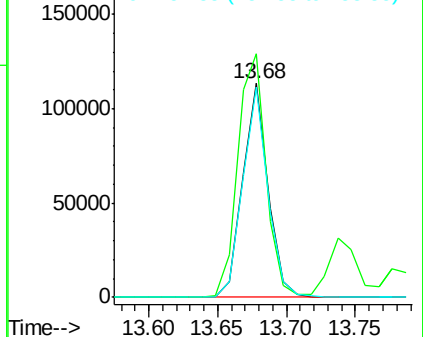
158 98.1 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.172 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062307.D

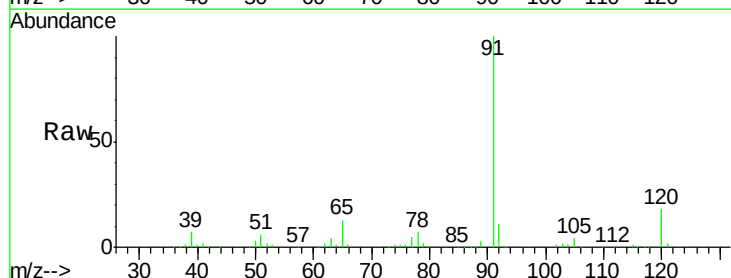
Acq: 13 May 2019 16:21

Tgt Ion: 91 Resp: 483442

Ion Ratio Lower Upper

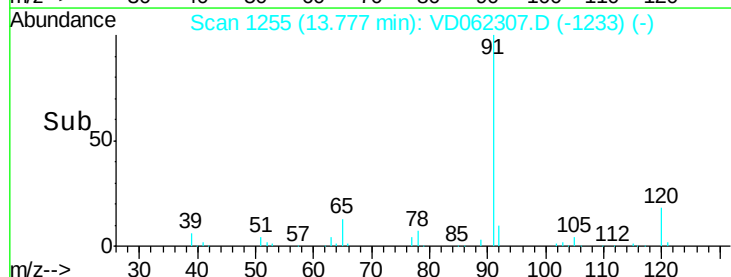
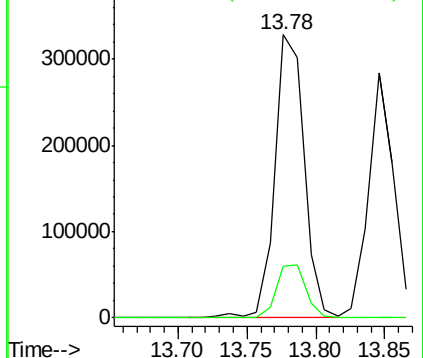
91 100

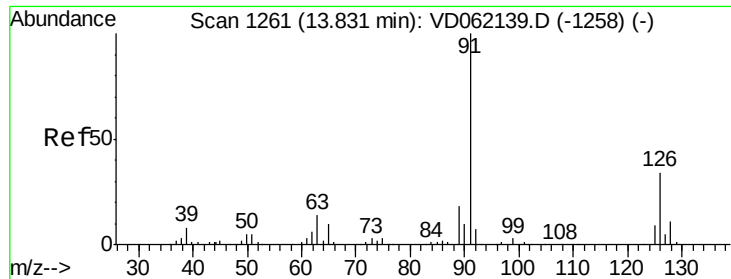
120 18.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 69.366 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

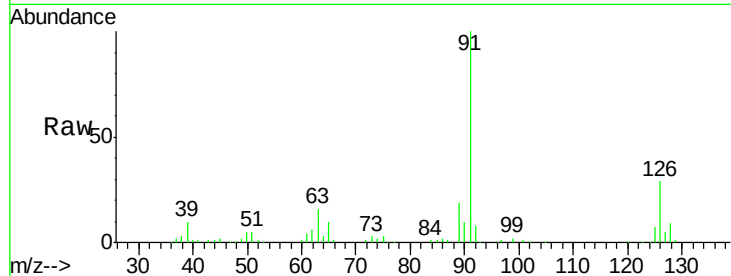
P026-SS012-0002-01MS

Tot Ion: 91 Resp: 361204

Ion Ratio Lower Upper

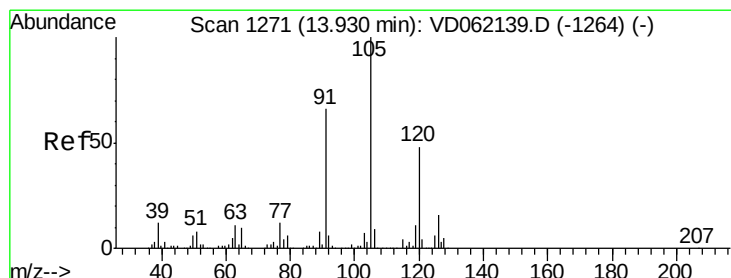
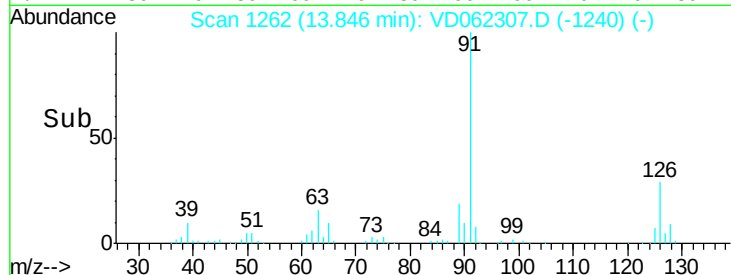
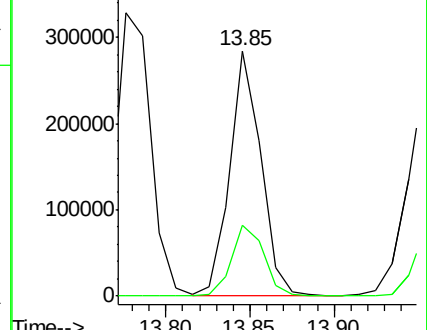
91 100

126 28.8 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 62.667 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062307.D

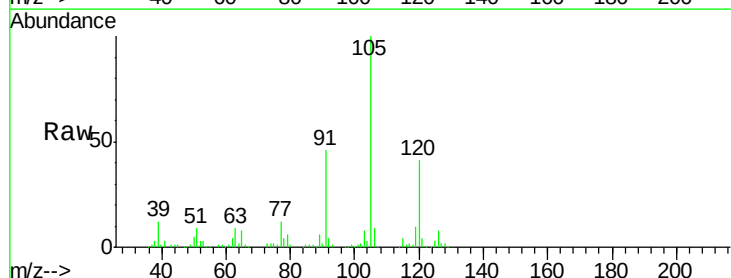
Acq: 13 May 2019 16:21

Tgt Ion:105 Resp: 402215

Ion Ratio Lower Upper

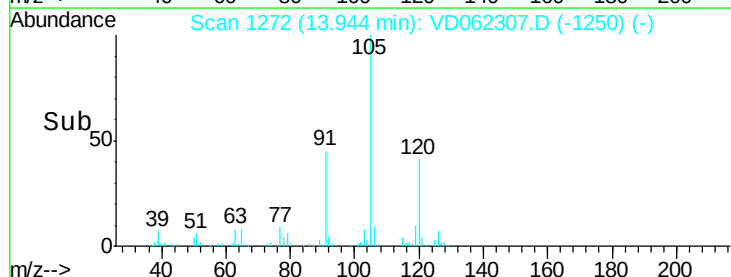
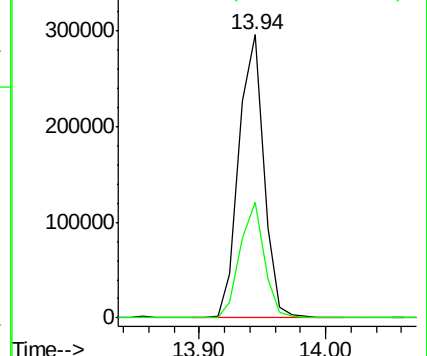
105 100

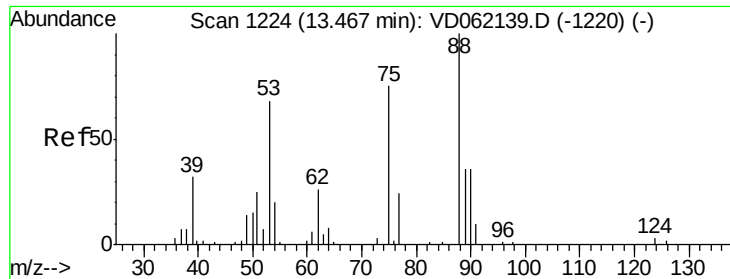
120 40.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 77.136 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

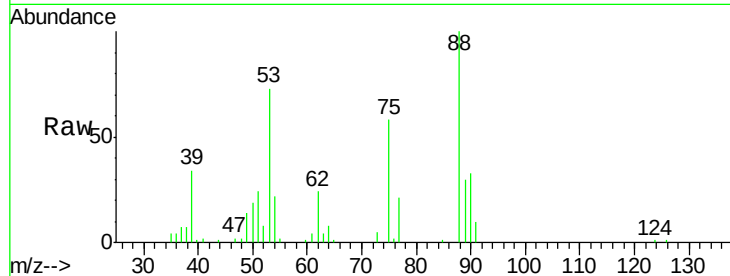
Tot Ion: 75 Resp: 32906

Ion Ratio Lower Upper

75 100

53 126.3 65.8 98.8#

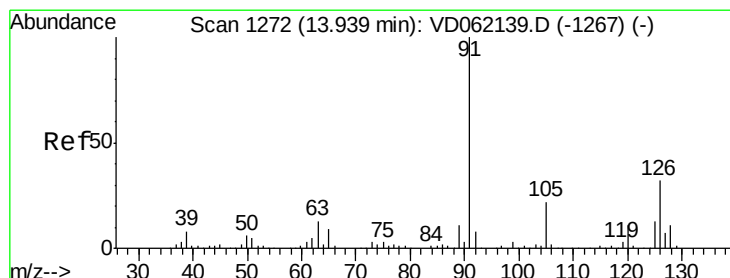
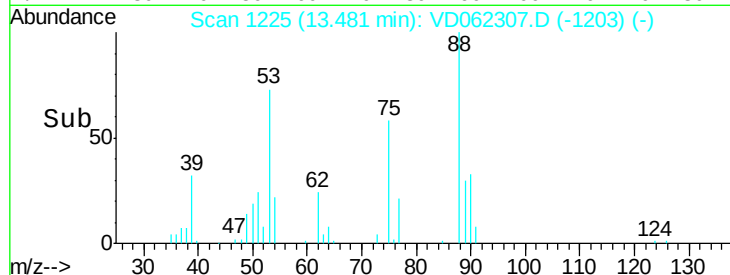
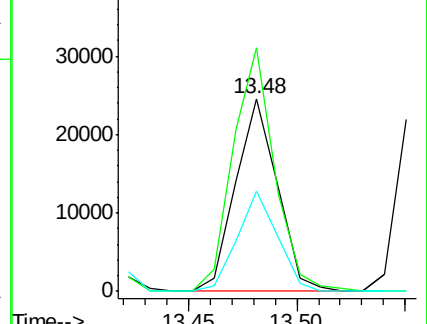
89 51.9 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 56.306 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062307.D

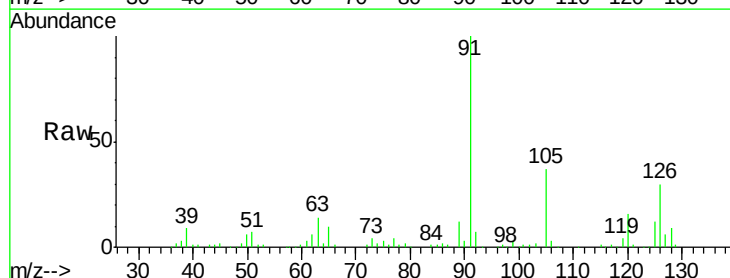
Acq: 13 May 2019 16:21

Tgt Ion: 91 Resp: 345020

Ion Ratio Lower Upper

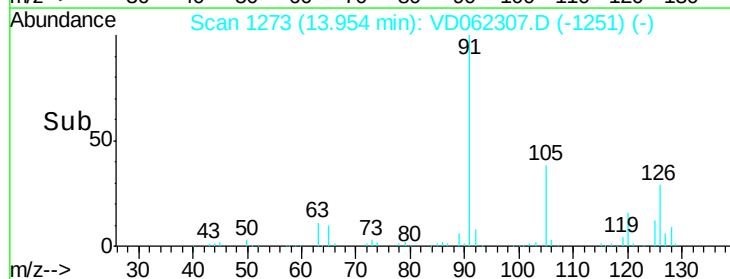
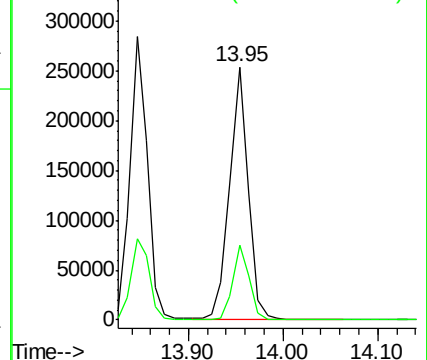
91 100

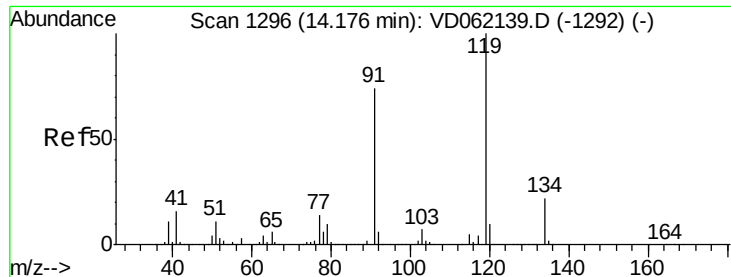
126 29.7 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

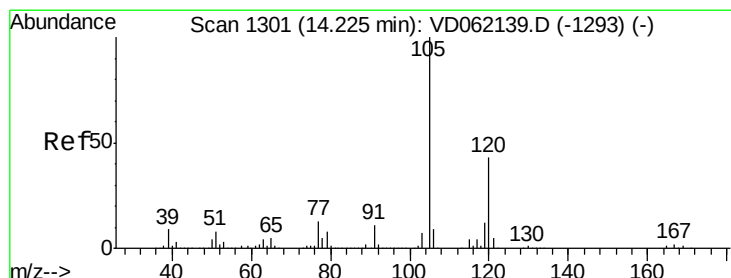
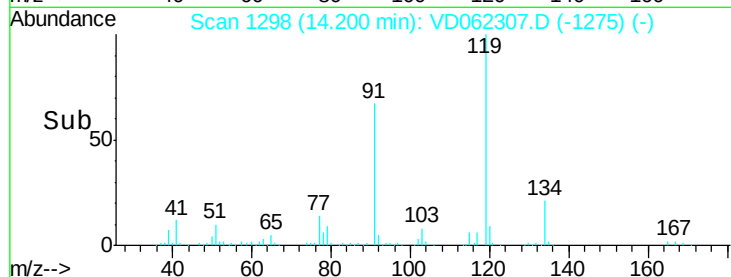
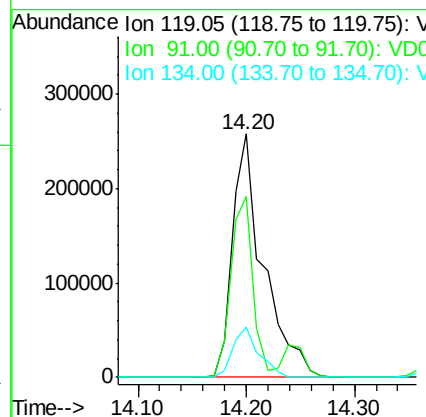
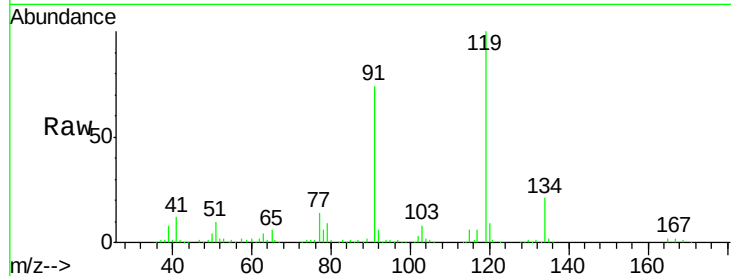




#83
 tert-Butylbenzene
 Concen: 70.485 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

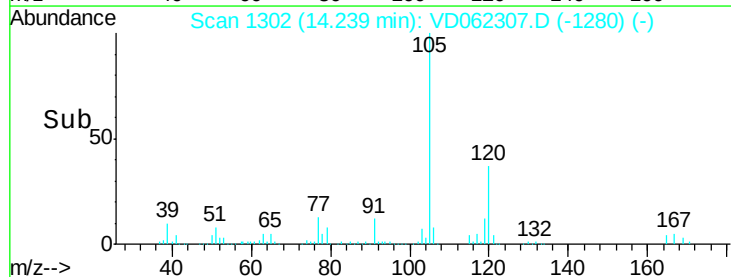
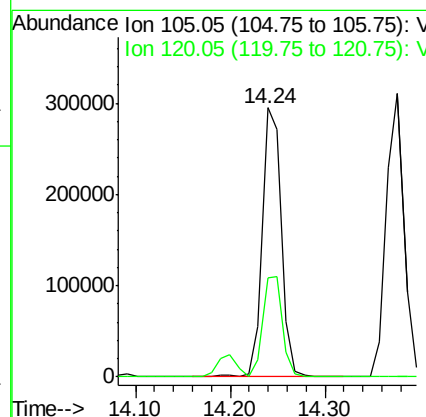
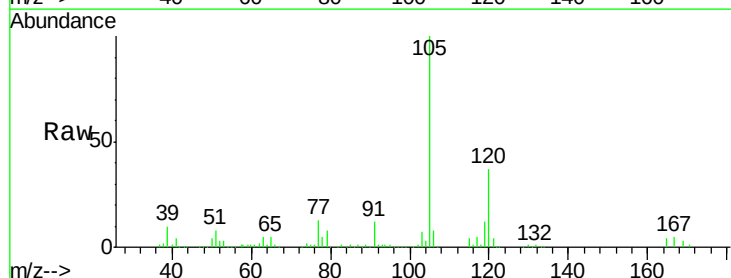
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

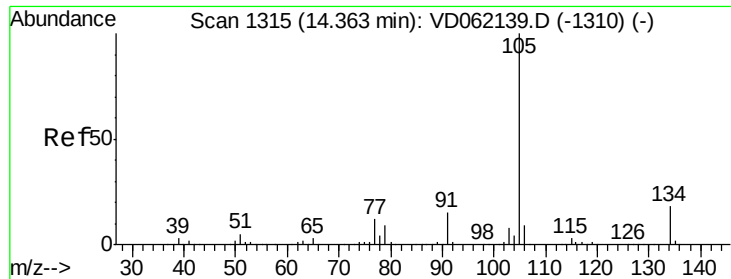
Tot Ion:119 Resp: 508485
 Ion Ratio Lower Upper
 119 100
 91 74.2 34.2 102.6
 134 20.6 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 64.212 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion:105 Resp: 413576
 Ion Ratio Lower Upper
 105 100
 120 37.0 23.1 69.2

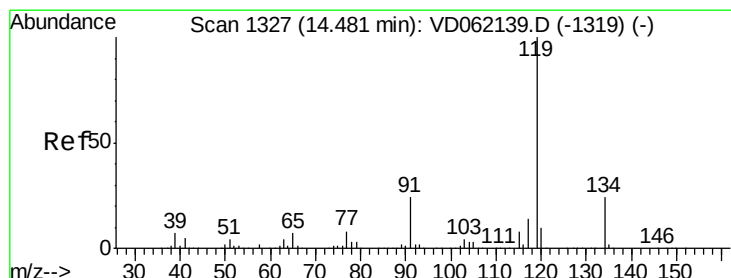
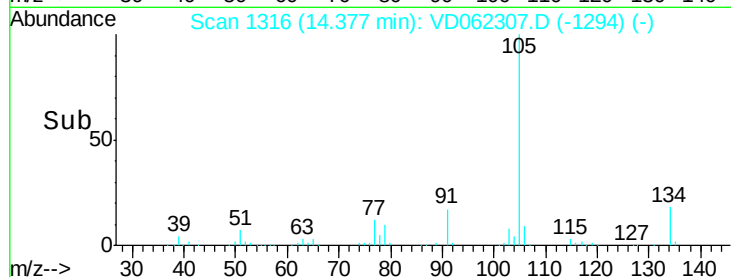
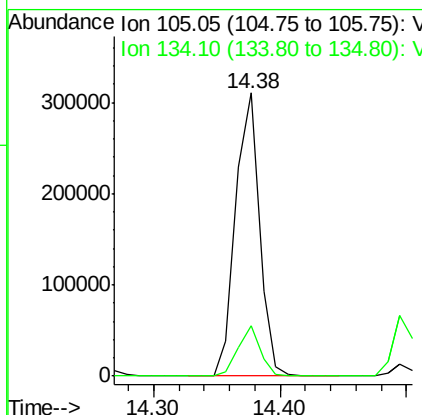
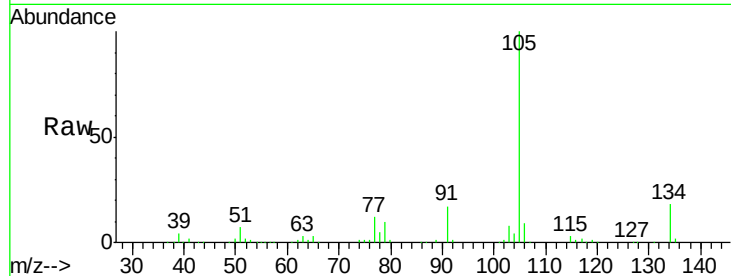




#85
 sec-Butylbenzene
 Concen: 51.352 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

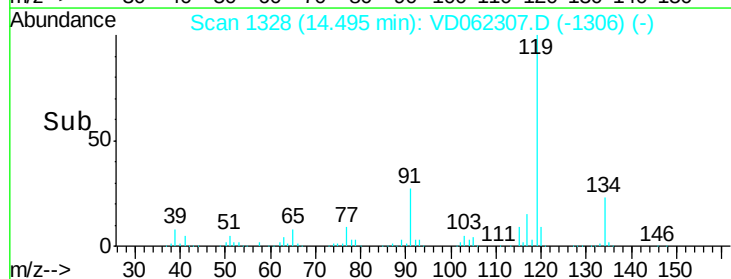
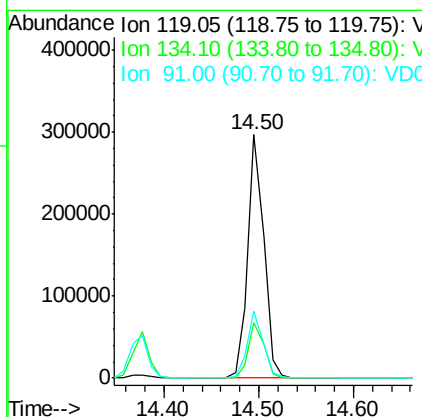
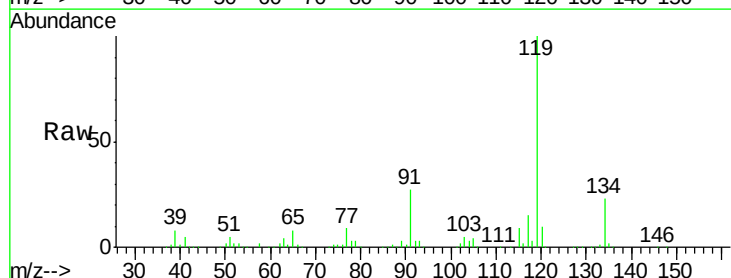
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

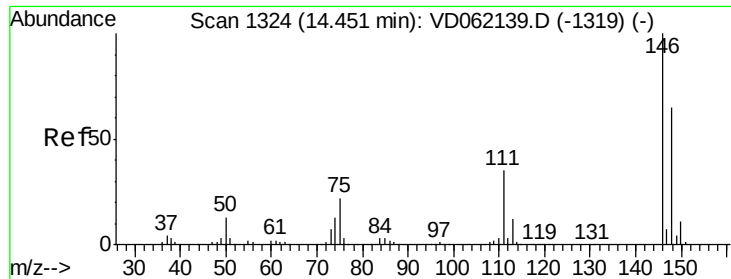
Tot Ion:105 Resp: 406178
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 49.455 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion:119 Resp: 349490
 Ion Ratio Lower Upper
 119 100
 134 22.6 12.8 38.3
 91 27.3 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 44.920 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

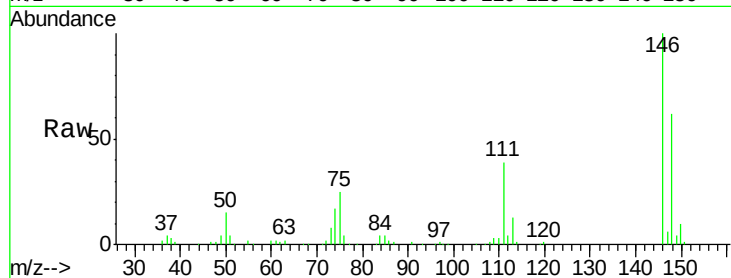
Tot Ion:146 Resp: 175084

Ion Ratio Lower Upper

146 100

111 38.5 20.0 60.0

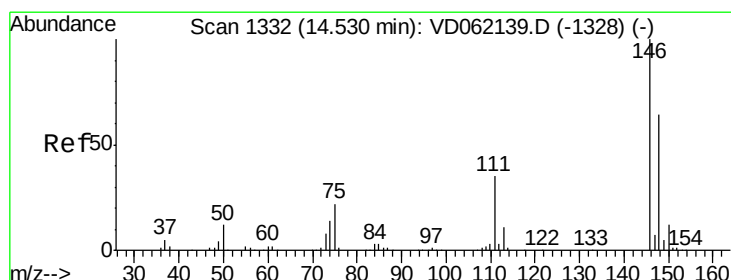
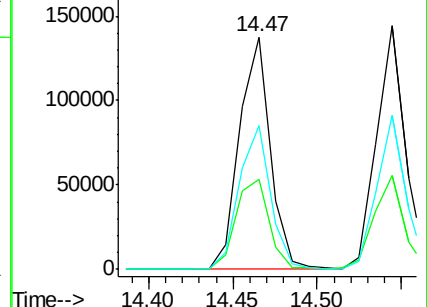
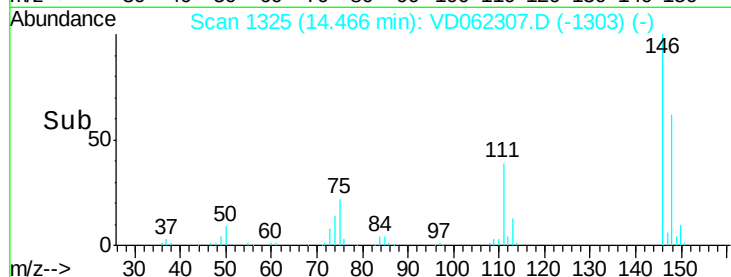
148 62.0 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 44.538 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

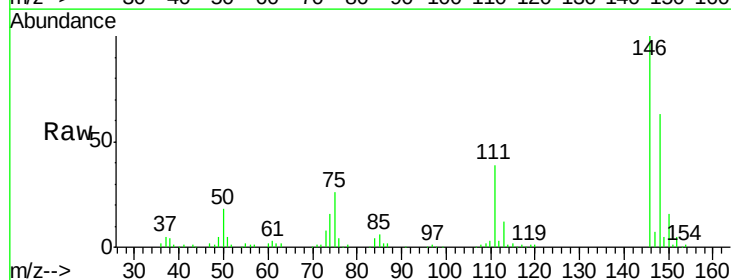
Tgt Ion:146 Resp: 170568

Ion Ratio Lower Upper

146 100

111 38.7 20.2 60.5

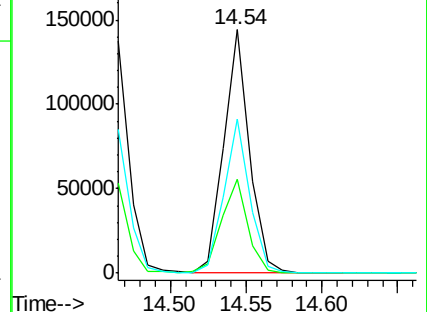
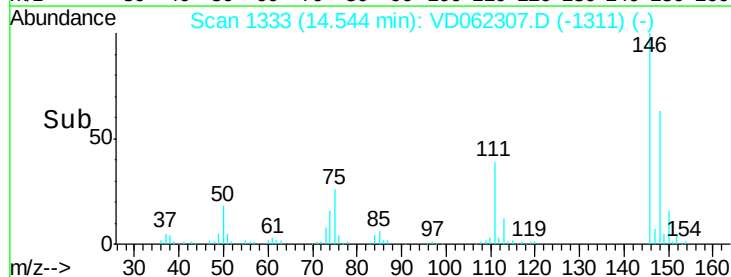
148 63.4 32.0 96.2

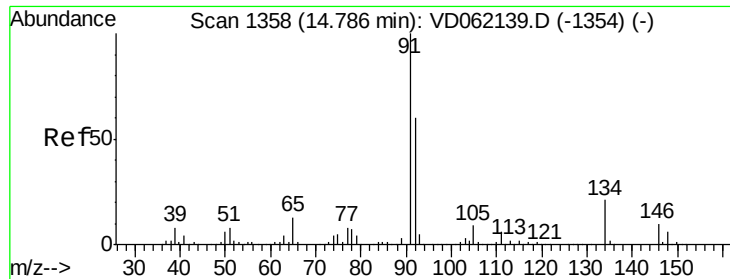


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 32.330 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062307.D

Acq: 13 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P026-SS012-0002-01MS

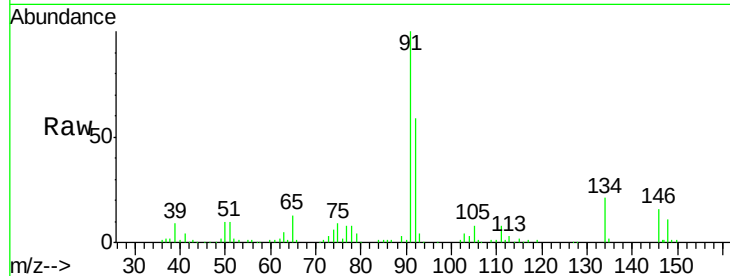
Tot Ion: 91 Resp: 205068

Ion Ratio Lower Upper

91 100

92 58.8 30.3 91.0

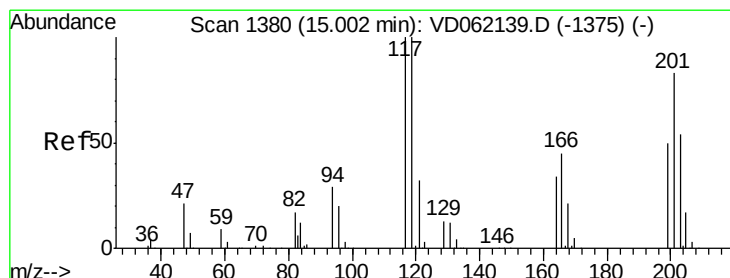
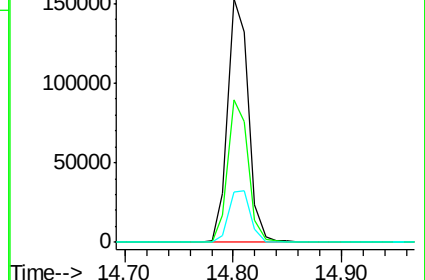
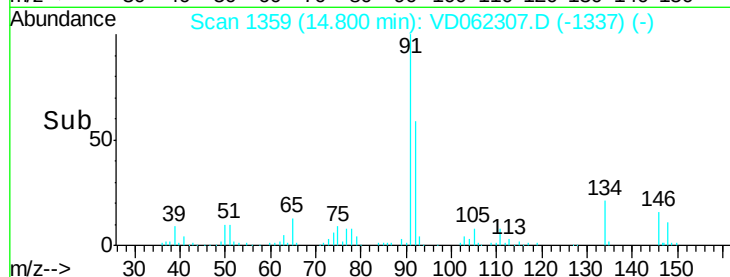
134 20.9 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 66.611 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062307.D

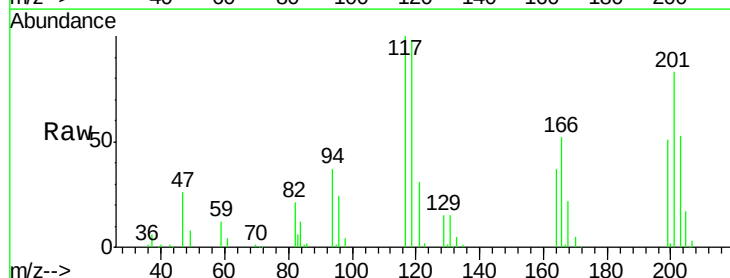
Acq: 13 May 2019 16:21

Tgt Ion: 117 Resp: 128012

Ion Ratio Lower Upper

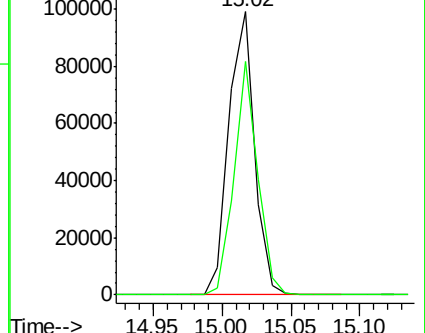
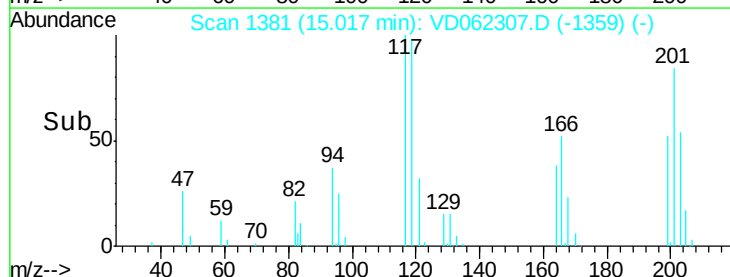
117 100

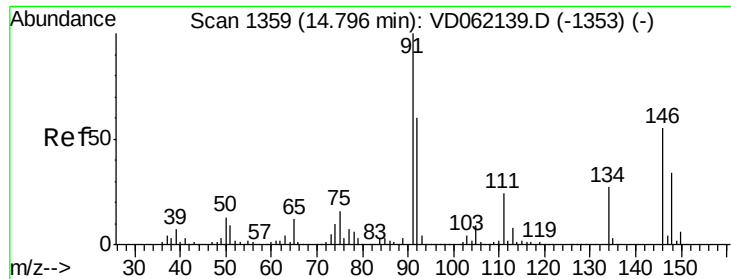
201 82.6 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

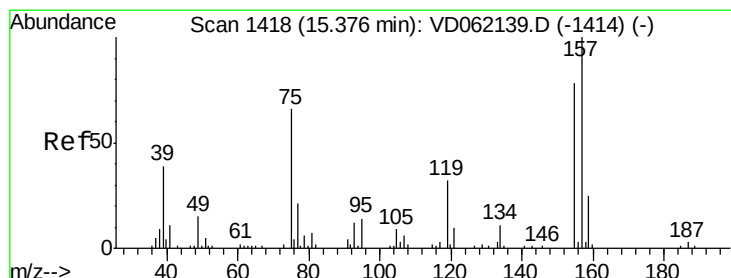
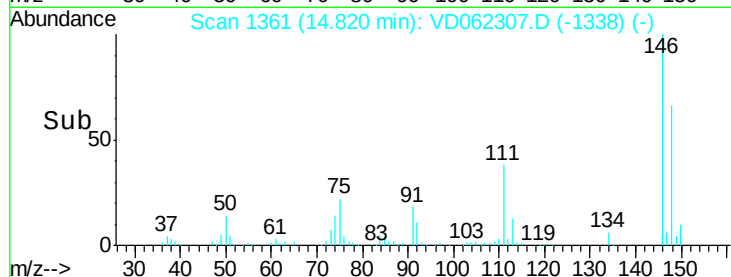
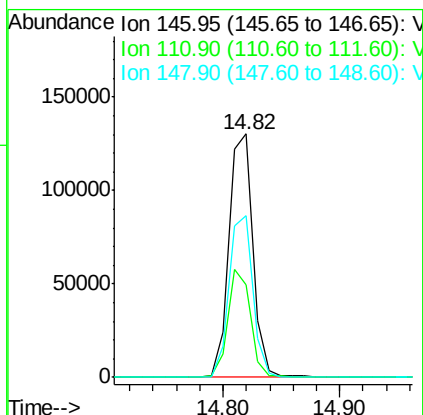
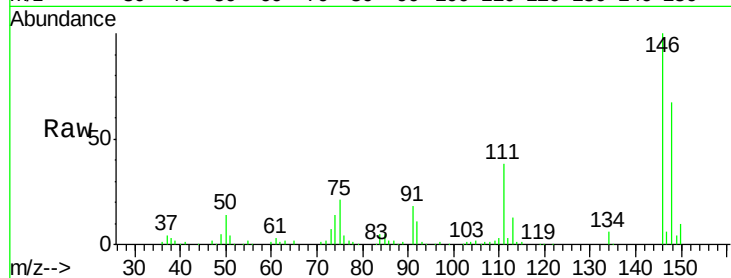




#91
 1,2-Dichlorobenzene
 Concen: 57.965 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

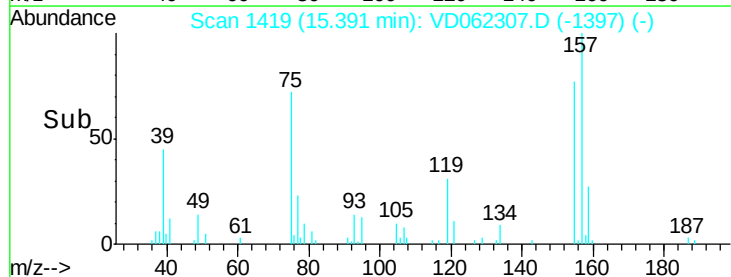
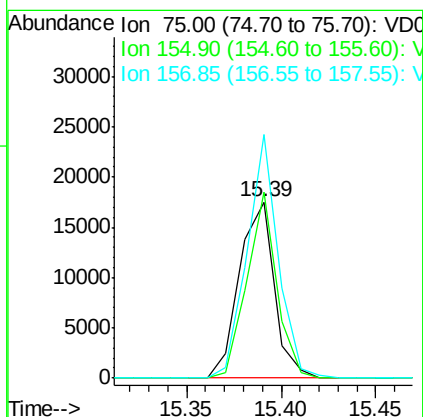
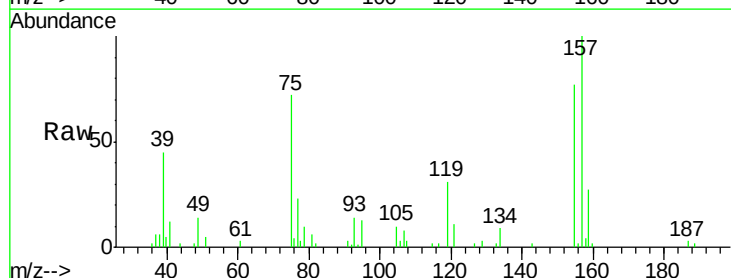
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

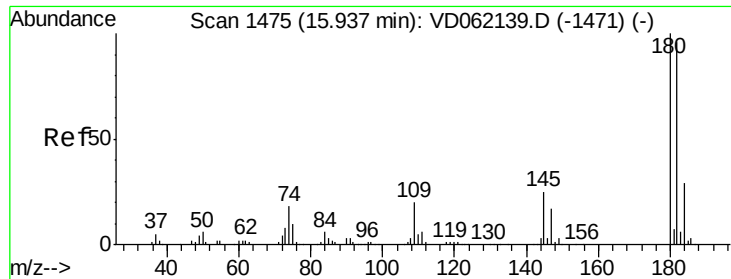
Tot Ion:146 Resp: 186067
 Ion Ratio Lower Upper
 146 100
 111 38.1 20.0 59.9
 148 66.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 94.512 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion: 75 Resp: 22386
 Ion Ratio Lower Upper
 75 100
 155 105.9 55.3 165.8
 157 138.2 67.8 203.2

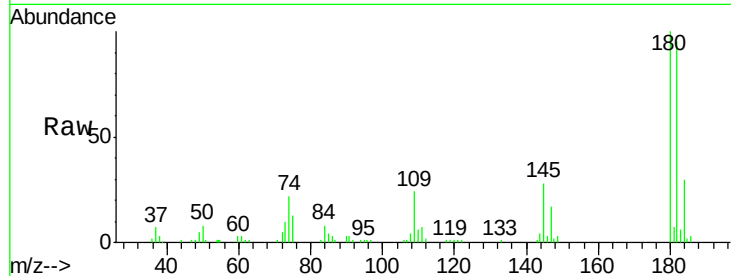




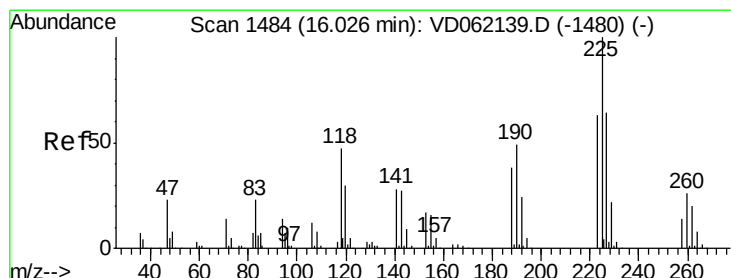
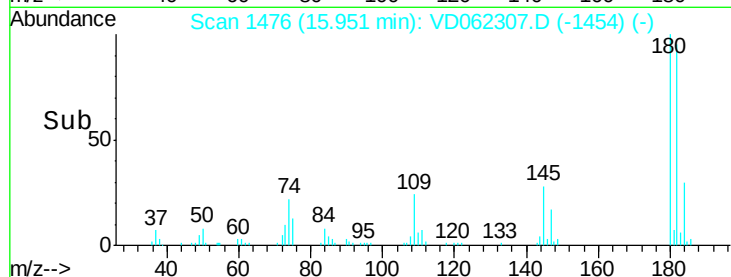
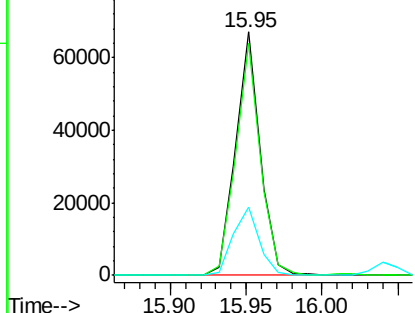
#93
 1,2,4-Trichlorobenzene
 Concen: 32.085 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

Tot Ion:180 Resp: 74964
 Ion Ratio Lower Upper
 180 100
 182 95.3 49.3 147.8
 145 27.8 16.2 48.6

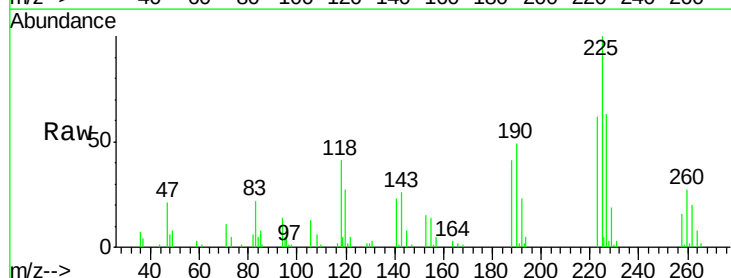


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

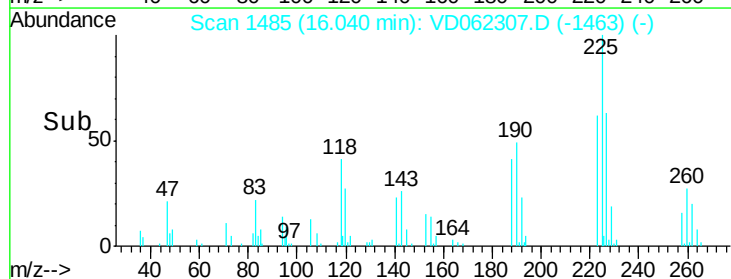
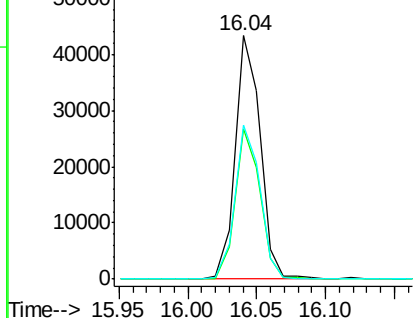


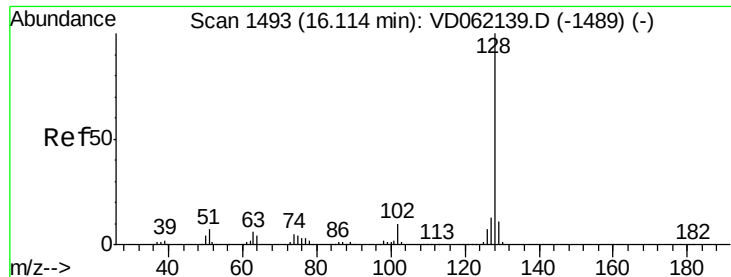
#94
 Hexachlorobutadiene
 Concen: 31.550 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062307.D
 Acq: 13 May 2019 16:21

Tgt Ion:225 Resp: 54826
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.6 92.0
 227 63.5 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

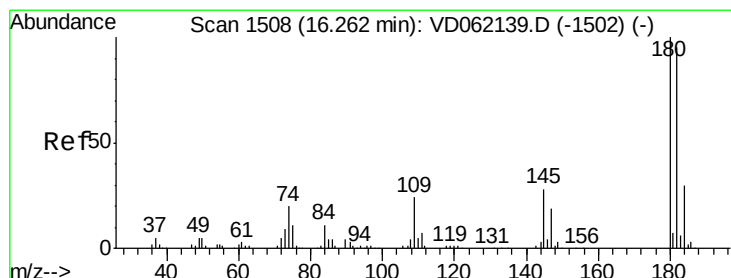
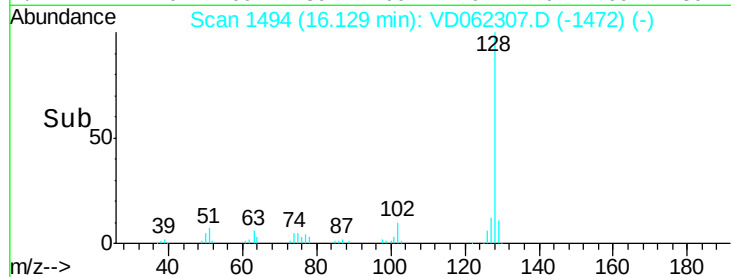
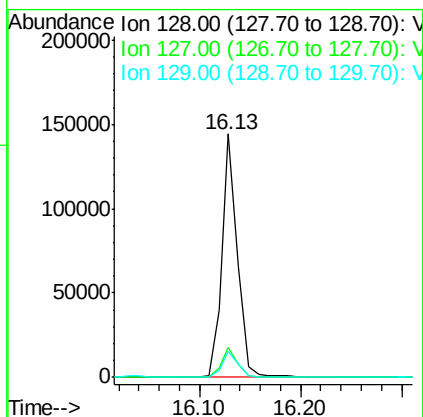
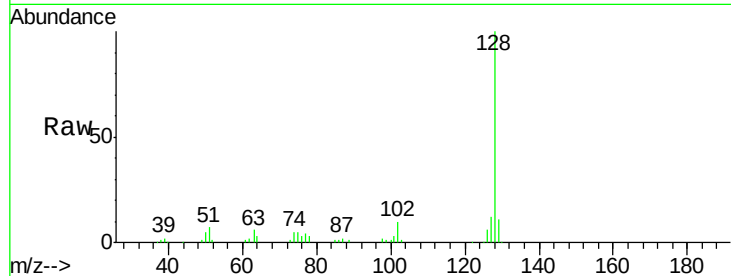




#95
Naphthalene
Concen: 47.665 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P026-SS012-0002-01MS

Tot Ion:128 Resp: 155478
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 42.081 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062307.D
Acq: 13 May 2019 16:21

Tgt Ion:180 Resp: 61818
Ion Ratio Lower Upper
180 100
182 94.0 47.0 141.0
145 32.2 17.0 51.0

