

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062328.D
 Acq On : 14 May 2019 3:26
 Operator : FY/SY
 Sample : K2735-06MSD
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Quant Time: May 14 05:15:32 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	618504	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	883477	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	630871	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	270774	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	323189	56.23	ug/l	0.06
Spiked Amount	50.000		Recovery	=	112.46%	
35) Dibromofluoromethane	6.95	113	401552	54.78	ug/l	0.06
Spiked Amount	50.000		Recovery	=	109.56%	
50) Toluene-d8	10.43	98	787415	44.55	ug/l	0.04
Spiked Amount	50.000		Recovery	=	89.10%	
62) 4-Bromofluorobenzene	13.56	95	302502	42.62	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	374322	63.279	ug/l	99
3) Chloromethane	1.76	50	244452	57.190	ug/l	98
4) Vinyl Chloride	1.86	62	270833	64.472	ug/l	98
5) Bromomethane	2.17	94	120342	122.261	ug/l	99
6) Chloroethane	2.28	64	129124	73.254	ug/l	94
7) Trichlorofluoromethane	2.55	101	613637	75.137	ug/l	98
8) Diethyl Ether	2.89	74	75749	48.092	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.17	101	380156	61.534	ug/l	97
10) Methyl Iodide	3.33	142	505957	54.187	ug/l #	81
11) Tert butyl alcohol	4.09	59	67518	230.126	ug/l #	94
12) 1,1-Dichloroethene	3.15	96	307560	65.216	ug/l	88
14) Allyl chloride	3.64	41	405744	59.172	ug/l #	78
15) Acrylonitrile	4.21	53	148496	192.558	ug/l	94
16) Acetone	3.24	43	216651	179.736	ug/l #	84
17) Carbon Disulfide	3.40	76	780300	57.517	ug/l	99
18) Methyl Acetate	3.66	43	298980	139.227	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	555584	54.962	ug/l	95
20) Methylene Chloride	3.84	84	299244	59.457	ug/l	97
21) trans-1,2-Dichloroethene	4.24	96	320772	61.125	ug/l	91
22) Diisopropyl ether	5.15	45	893868	61.259	ug/l #	88
23) Vinyl Acetate	5.15	43	534328	69.405	ug/l #	77
24) 1,1-Dichloroethane	5.02	63	583212	66.255	ug/l	99
25) 2-Butanone	6.09	43	228920	174.112	ug/l	94
26) 2,2-Dichloropropane	6.05	77	518599	59.144	ug/l	94
27) cis-1,2-Dichloroethene	6.06	96	359011	61.118	ug/l	97
28) Bromochloromethane	6.47	49	170549	49.246	ug/l	94
29) Tetrahydrofuran	6.49	42	144453	238.451	ug/l	95
30) Chloroform	6.69	83	755455	71.211	ug/l	99
31) Cyclohexane	6.98	56	365732	60.645	ug/l	96
32) 1,1,1-Trichloroethane	6.90	97	730003	72.802	ug/l	99
36) 1,1-Dichloropropene	7.17	75	469637	64.834	ug/l	95
37) Ethyl Acetate	6.20	43	50484	16.434	ug/l #	94
38) Carbon Tetrachloride	7.14	117	776087	77.408	ug/l	99
39) Methylcyclohexane	8.89	83	363932	52.437	ug/l	93

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 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)
40) Benzene	7.48	78	979798	59.901	ug/l	100
41) Methacrylonitrile	6.47	41	180195	48.000	ug/l #	86
42) 1,2-Dichloroethane	7.60	62	466645	67.335	ug/l	94
43) Isopropyl Acetate	9.26	43	56028	12.860	ug/l	99
44) Trichloroethene	8.56	130	360412	57.824	ug/l	86
45) 1,2-Dichloropropane	8.96	63	237927	58.806	ug/l	97
46) Dibromomethane	9.08	93	187718	57.055	ug/l	93
47) Bromodichloromethane	9.40	83	538203	66.877	ug/l	97
48) Methyl methacrylate	9.14	41	143681	53.541	ug/l #	85
49) 1,4-Dioxane	9.10	88	25057	865.401	ug/l #	92
51) 4-Methyl-2-Pentanone	10.32	43	599326	214.005	ug/l	93
52) Toluene	10.53	92	580578	54.552	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	353238	50.786	ug/l	97
54) cis-1,3-Dichloropropene	10.06	75	405232	53.405	ug/l #	88
55) 1,1,2-Trichloroethane	11.21	97	198289	52.658	ug/l	99
56) Ethyl methacrylate	11.06	69	67517	17.255	ug/l #	91
57) 1,3-Dichloropropane	11.43	76	287945	50.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	362833	169.753	ug/l	98
59) 2-Hexanone	11.54	43	358666	173.764	ug/l	86
60) Dibromochloromethane	11.70	129	374937	57.614	ug/l	100
61) 1,2-Dibromoethane	11.82	107	228140	49.833	ug/l	99
64) Tetrachloroethene	11.28	164	321137	65.098	ug/l	91
65) Chlorobenzene	12.41	112	677268	57.639	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	358557	70.115	ug/l	94
67) Ethyl Benzene	12.54	91	1366913	69.487	ug/l	96
68) m/p-Xylenes	12.68	106	849464	118.691	ug/l	85
69) o-Xylene	13.06	106	401516	60.344	ug/l	81
70) Stvrene	13.08	104	462652	41.046	ug/l	94
71) Bromoform	13.25	173	199692	56.127	ug/l #	99
73) Isopropylbenzene	13.41	105	1184835	72.998	ug/l	96
74) N-amyl acetate	13.28	43	57647	13.547	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	192368	62.605	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	191447	59.494	ug/l	98
77) Bromobenzene	13.68	156	323136	71.118	ug/l	94
78) n-propylbenzene	13.78	91	1251657	64.646	ug/l	91
79) 2-Chlorotoluene	13.85	91	715118	64.490	ug/l	88
80) 1,3,5-Trimethylbenzene	13.95	105	963050	70.461	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	43946	48.375	ug/l #	62
82) 4-Chlorotoluene	13.96	91	860968	65.980	ug/l	86
83) tert-Butylbenzene	14.20	119	1079164	70.246	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	922748	67.277	ug/l	93
85) sec-Butylbenzene	14.38	105	1028889	61.085	ug/l	99
86) p-Isopropyltoluene	14.50	119	927016	61.601	ug/l	91
87) 1,3-Dichlorobenzene	14.47	146	471903	56.855	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	427008	52.358	ug/l	98
89) n-Butylbenzene	14.80	91	688596	50.979	ug/l	93
90) Hexachloroethane	15.02	117	275917	67.421	ug/l	73
91) 1,2-Dichlorobenzene	14.82	146	392095	57.360	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	30268	60.009	ug/l	99
93) 1,2,4-Trichlorobenzene	15.95	180	221063	44.431	ug/l	95

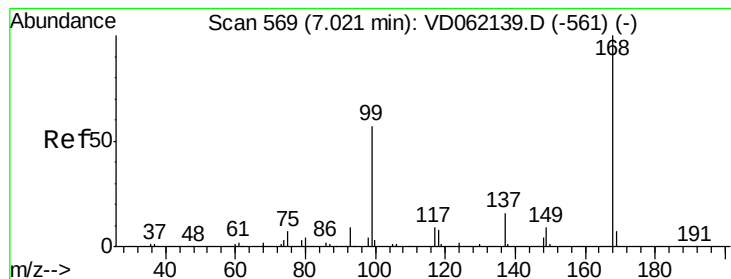
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051319\
Data File : VD062328.D
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.04	225	127332	34.409	ug/l	99
95) Naphthalene	16.13	128	308944	44.476	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	149094	47.660	ug/l	98

(#) = 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. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

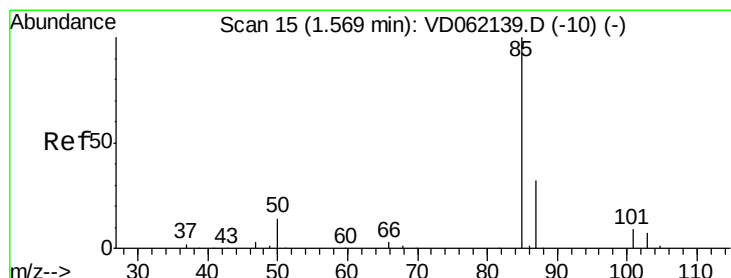
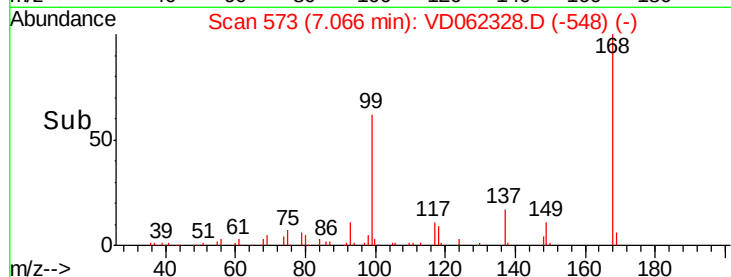
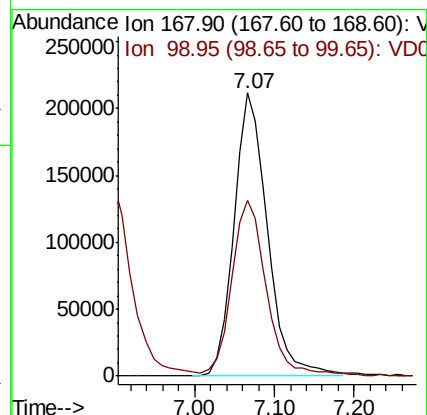
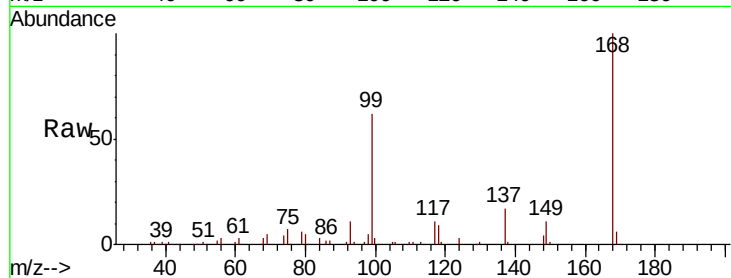
P026-SS015-1824-01MSD

Tot Ion:168 Resp: 618504

Ion Ratio Lower Upper

168 100

99 62.3 46.5 69.7



#2

Dichlorodifluoromethane

Concen: 63.279 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.02 min

Lab File: VD062328.D

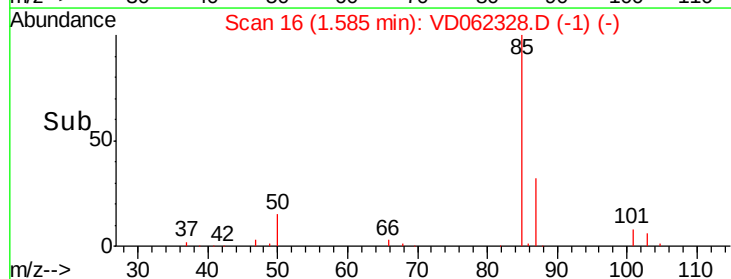
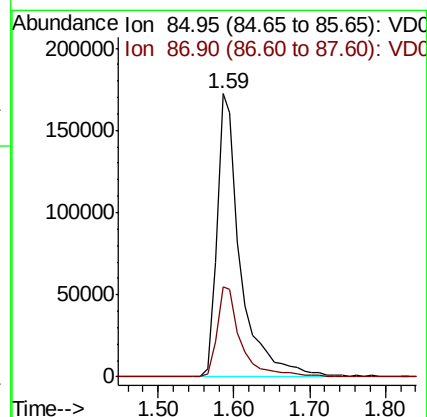
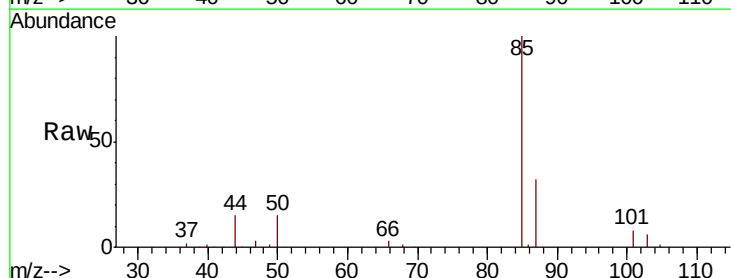
Acq: 14 May 2019 3:26

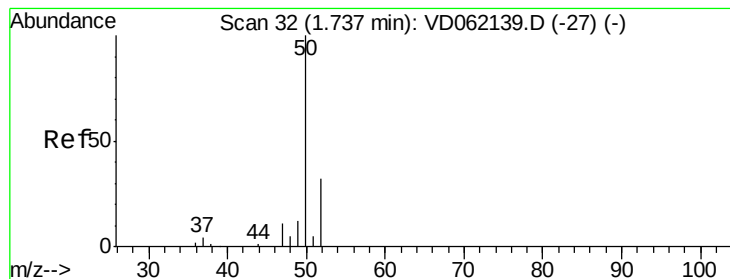
Tgt Ion: 85 Resp: 374322

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.6





#3

Chloromethane

Concen: 57.190 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

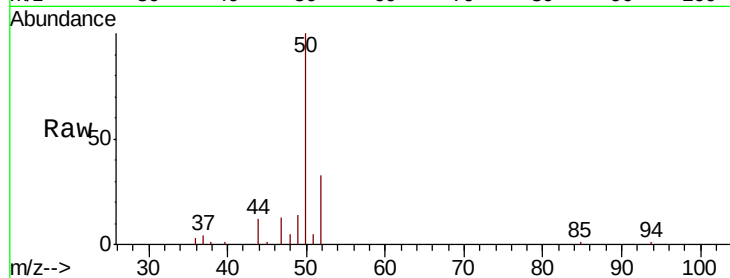
P026-SS015-1824-01MSD

Tot Ion: 50 Resp: 244452

Ion Ratio Lower Upper

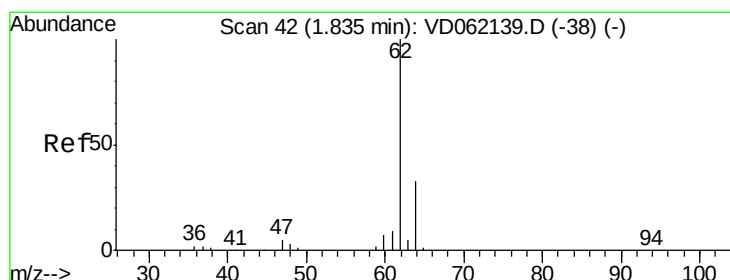
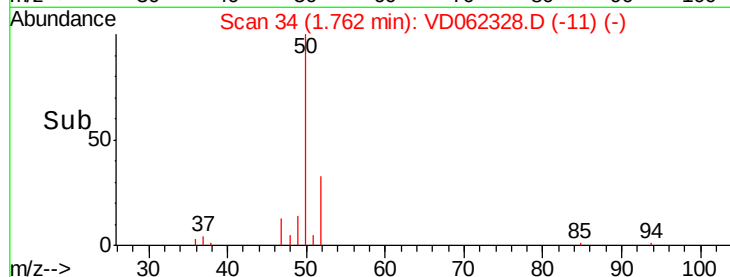
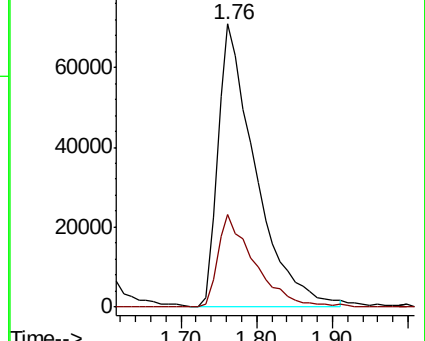
50 100

52 32.8 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: 64.472 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.03 min

Lab File: VD062328.D

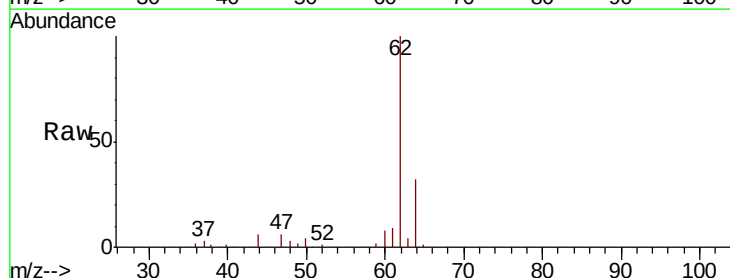
Acq: 14 May 2019 3:26

Tgt Ion: 62 Resp: 270833

Ion Ratio Lower Upper

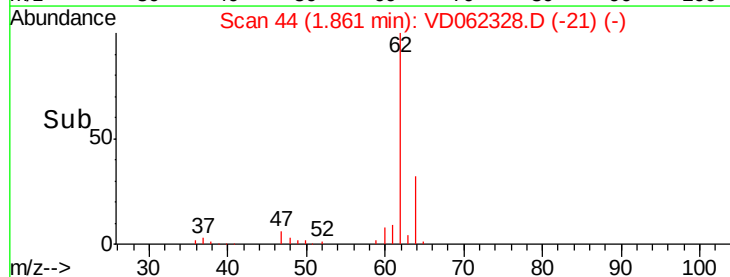
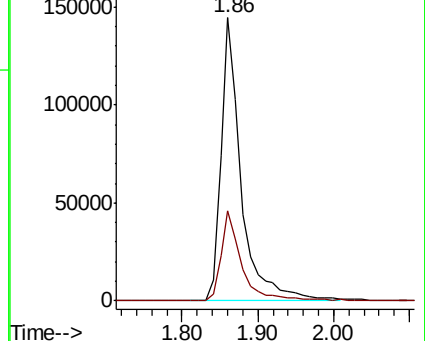
62 100

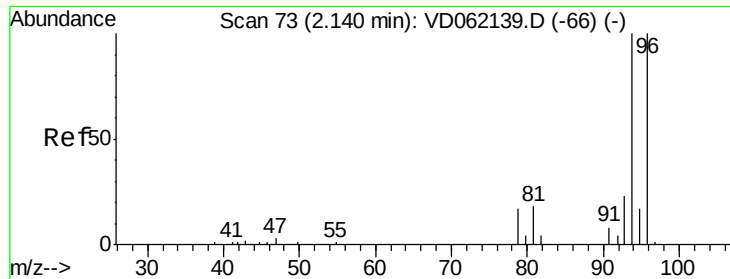
64 32.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 122.261 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

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ClientSampleId :

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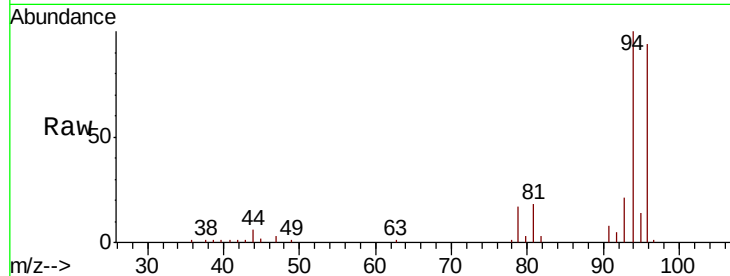
Tot Ion: 94 Resp: 120342

Ion Ratio Lower Upper

94 100

96 95.7 76.6 115.0

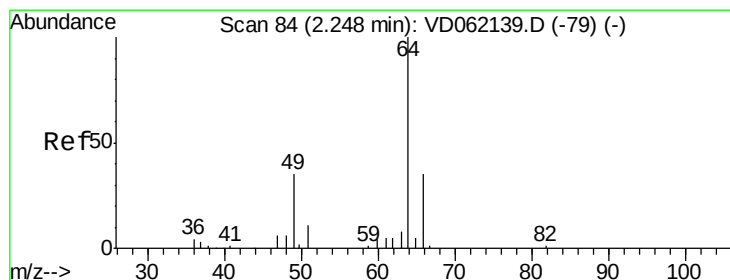
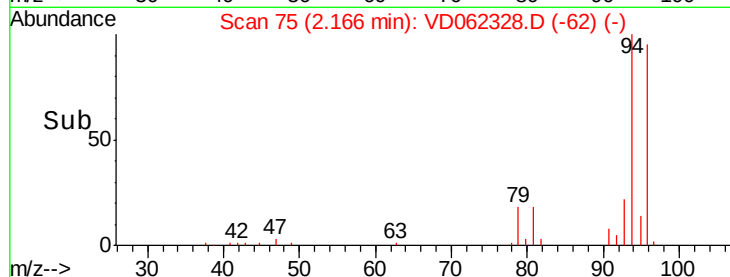
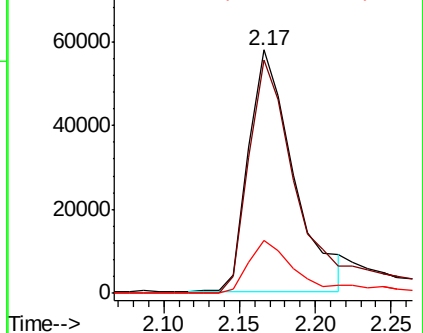
93 21.5 18.5 27.7



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: 73.254 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.04 min

Lab File: VD062328.D

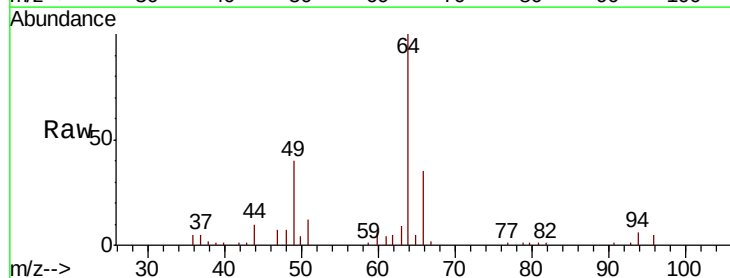
Acq: 14 May 2019 3:26

Tgt Ion: 64 Resp: 129124

Ion Ratio Lower Upper

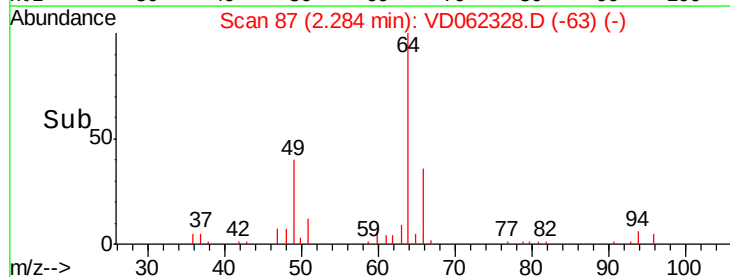
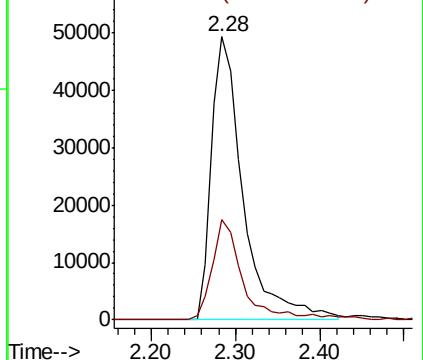
64 100

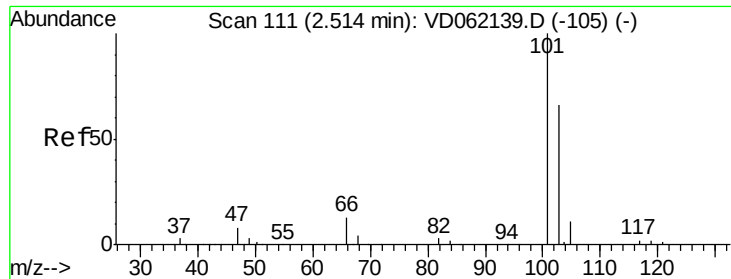
66 35.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



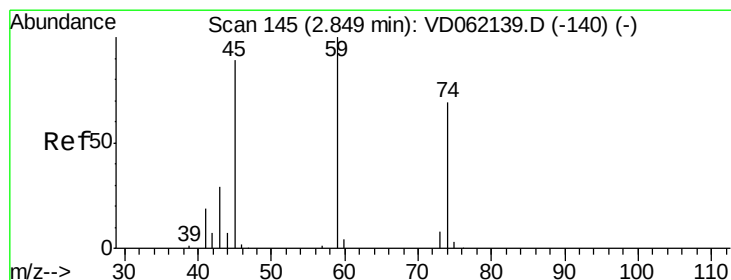
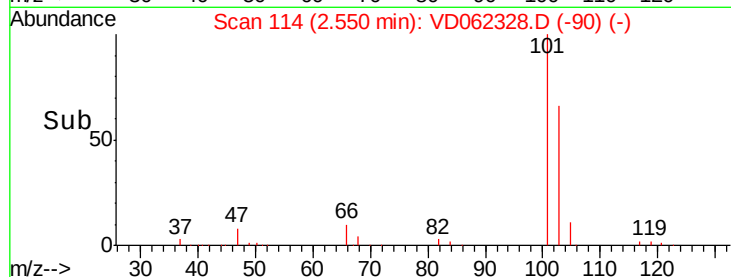
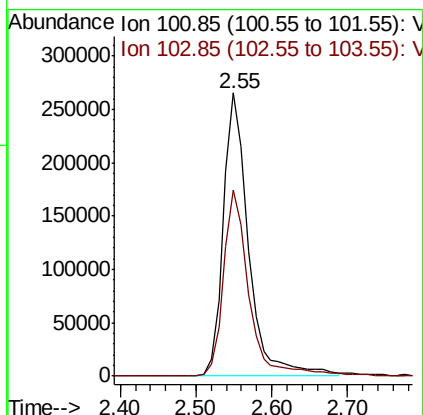
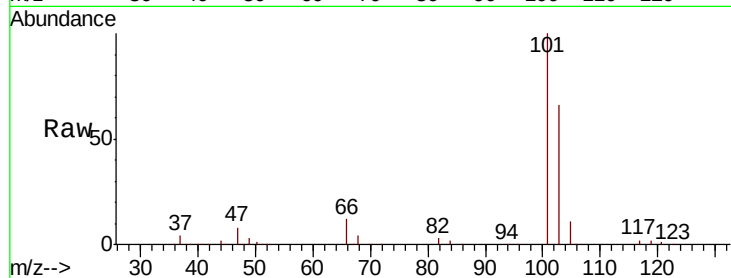


#7

Trichlorofluoromethane
 Concen: 75.137 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.04 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
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 P026-SS015-1824-01MSD

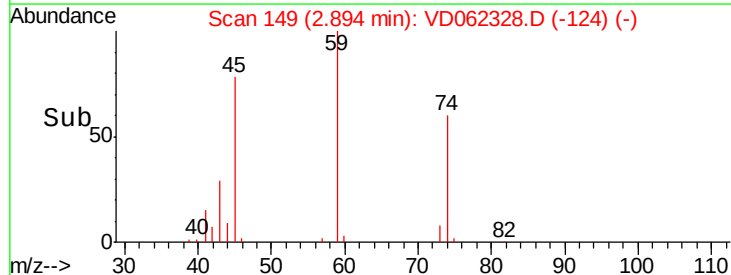
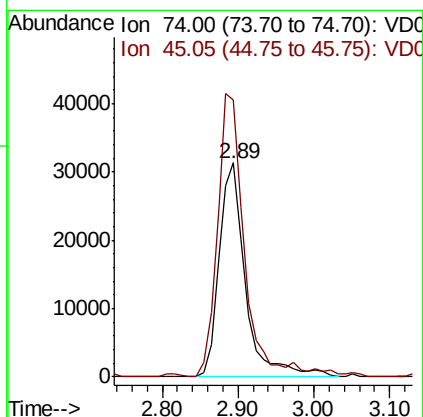
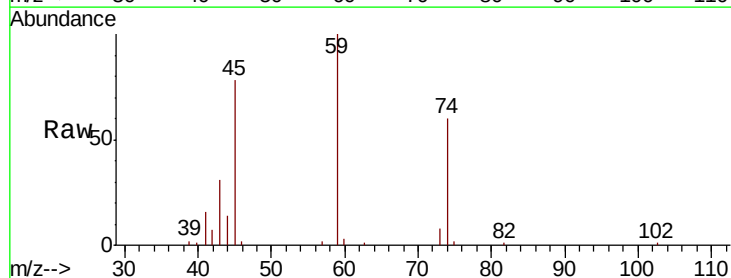
Tot Ion:101 Resp: 613637
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.6 80.4

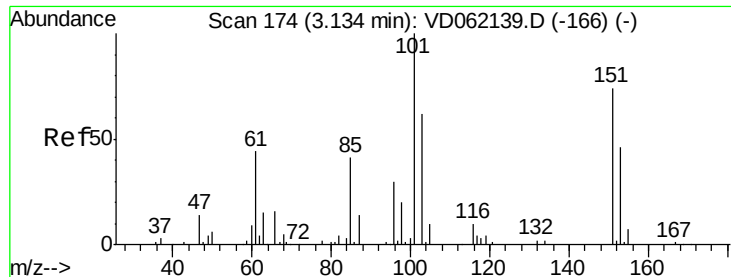


#8

Diethyl Ether
 Concen: 48.092 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.05 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion: 74 Resp: 75749
 Ion Ratio Lower Upper
 74 100
 45 129.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 61.534 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

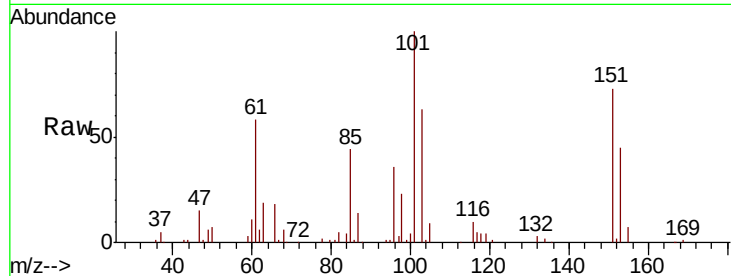
Tot Ion:101 Resp: 380156

Ion Ratio Lower Upper

101 100

85 43.7 32.4 48.6

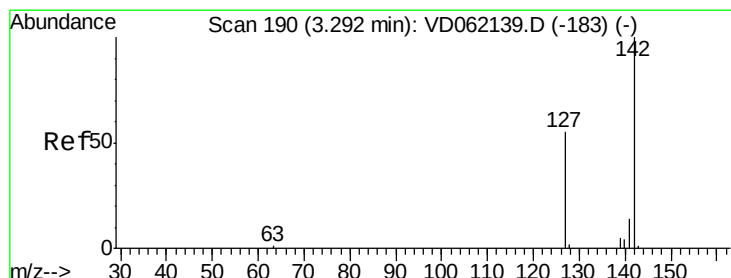
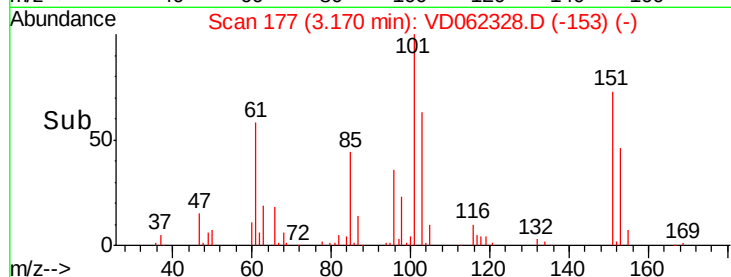
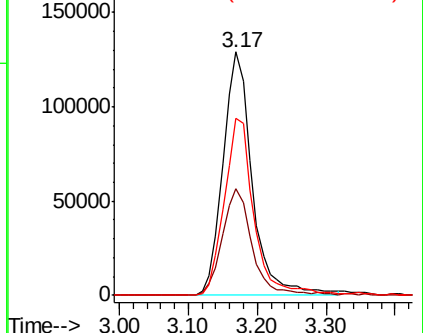
151 72.8 59.4 89.0



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: 54.187 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

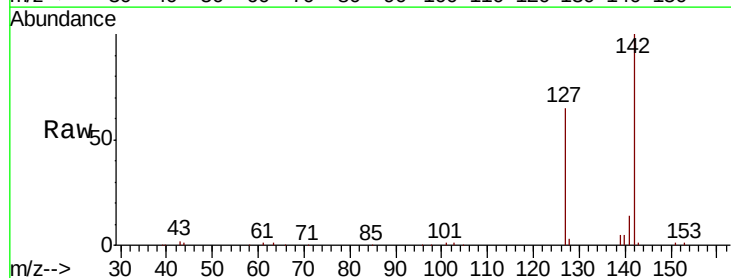
Tgt Ion:142 Resp: 505957

Ion Ratio Lower Upper

142 100

127 64.7 38.8 58.2#

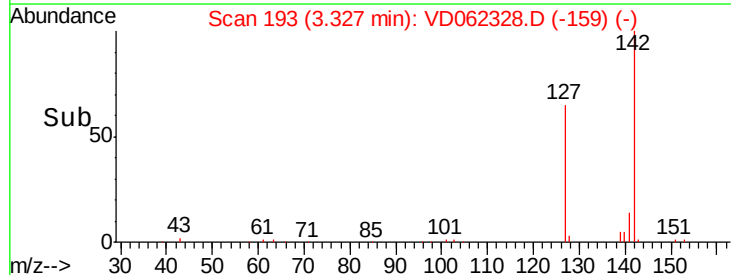
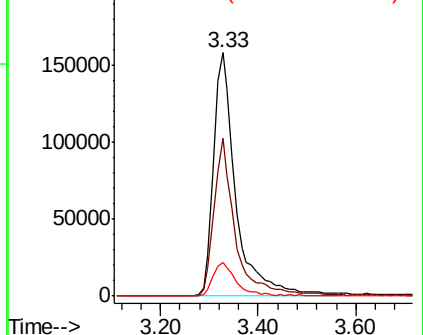
141 14.1 11.4 17.0

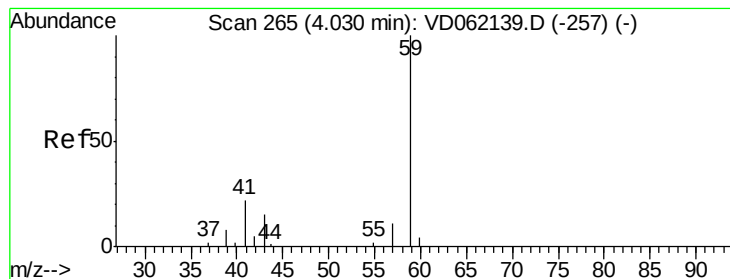


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



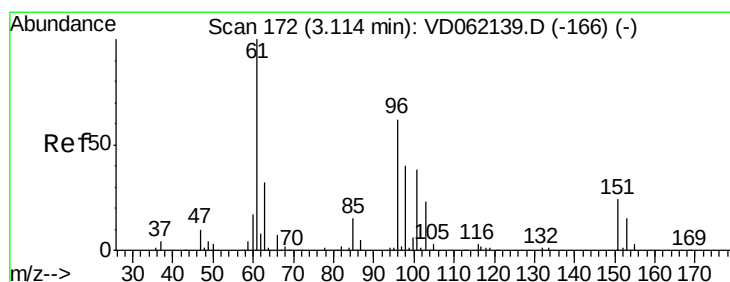
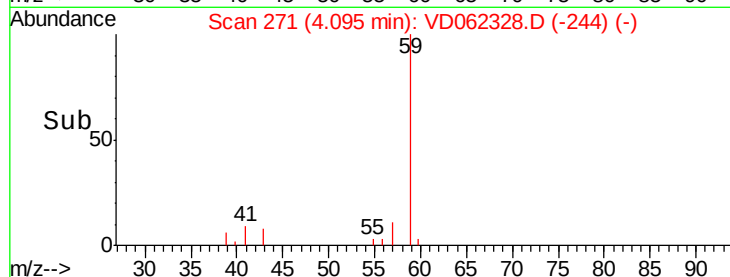
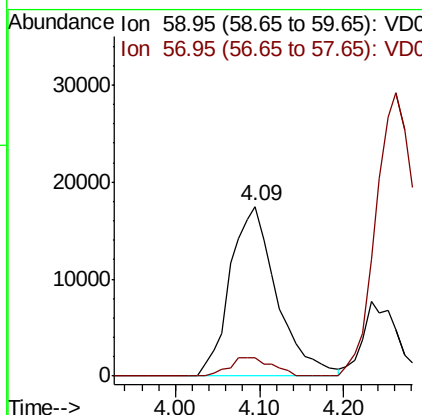
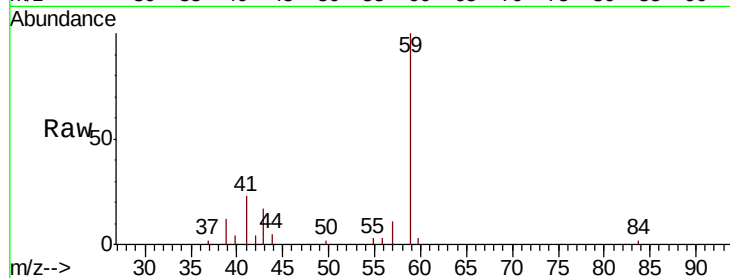


#11

Tert butyl alcohol
 Concen: 230.126 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.06 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

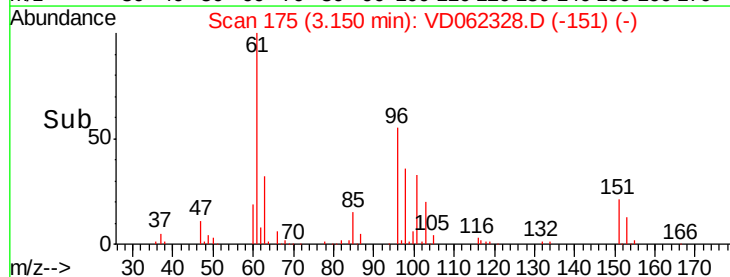
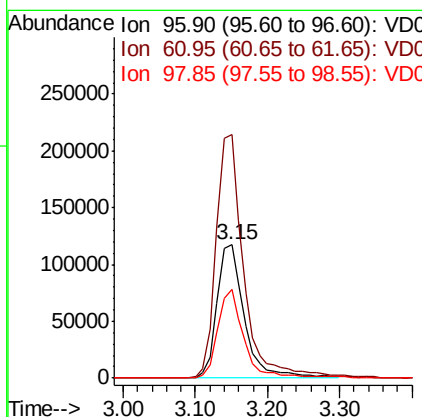
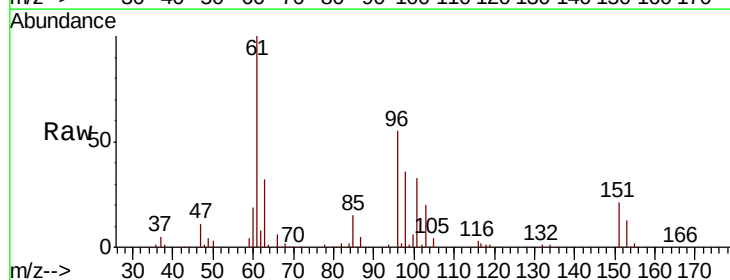
Tot Ion: 59 Resp: 67518
 Ion Ratio Lower Upper
 59 100
 57 10.7 6.9 10.3#

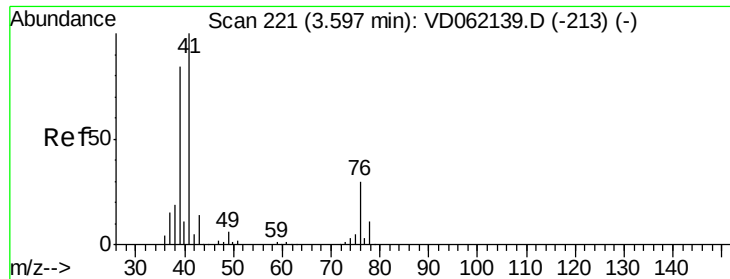


#12

1,1-Dichloroethene
 Concen: 65.216 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. 0.04 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion: 96 Resp: 307560
 Ion Ratio Lower Upper
 96 100
 61 183.0 129.8 194.8
 98 66.3 51.2 76.8

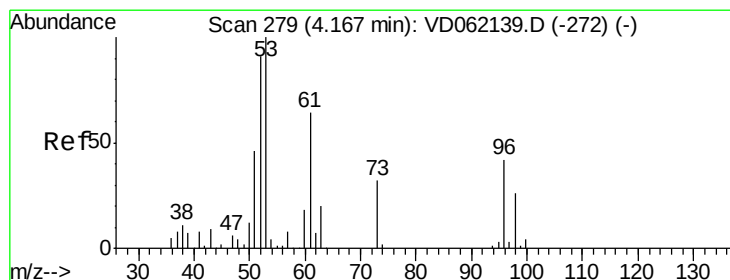
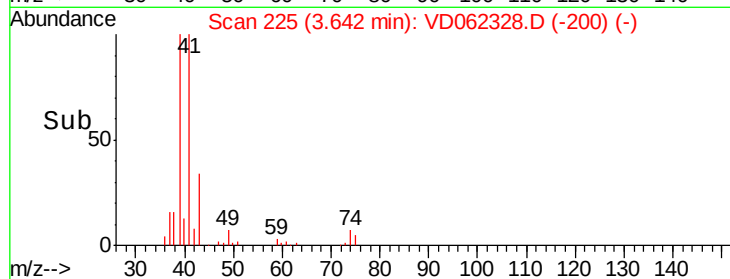
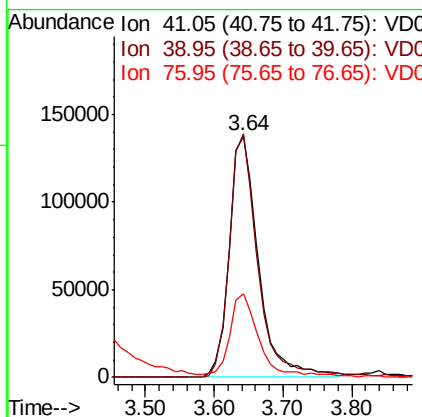
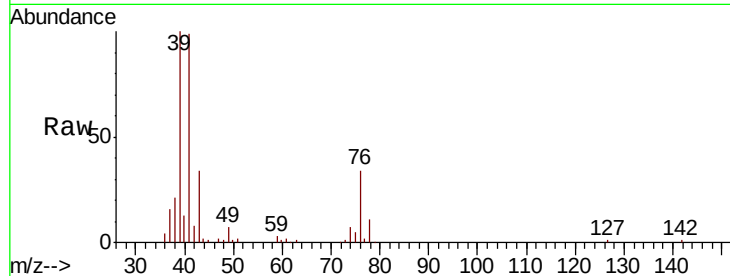




#14
Allvl chloride
Concen: 59.172 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

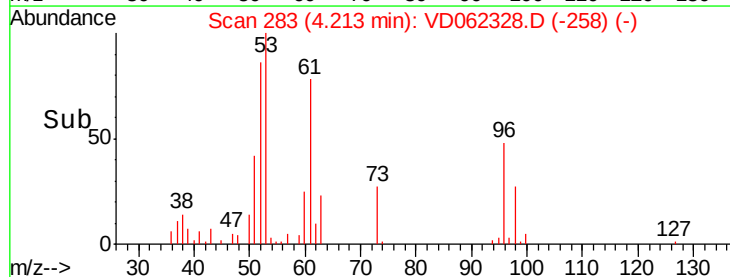
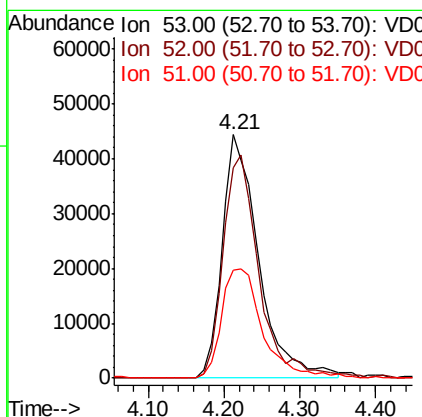
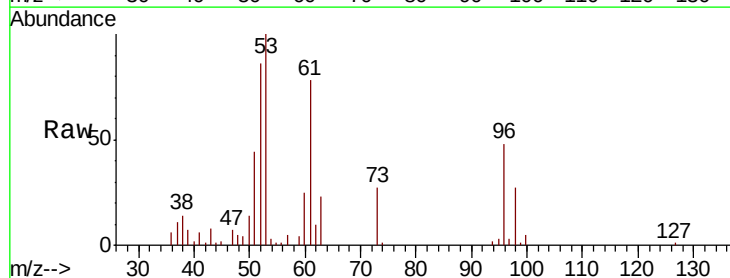
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

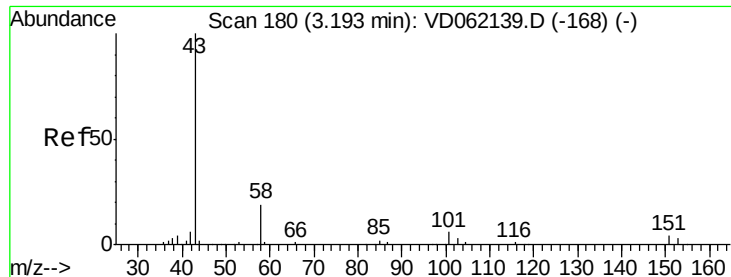
Tot Ion: 41 Resp: 405744
Ion Ratio Lower Upper
41 100
39 100.9 60.5 90.7#
76 34.8 31.8 47.8



#15
Acrylonitrile
Concen: 192.558 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 53 Resp: 148496
Ion Ratio Lower Upper
53 100
52 86.5 65.0 97.4
51 44.4 32.6 48.8





#16

Acetone

Concen: 179.736 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

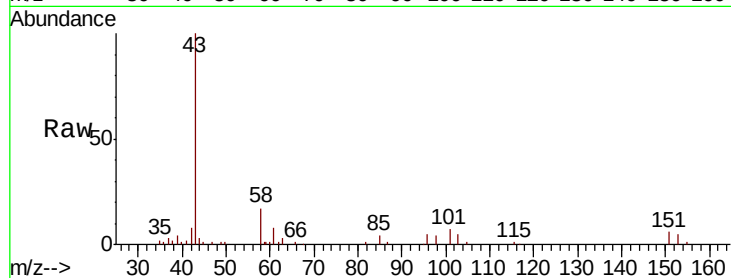
P026-SS015-1824-01MSD

Tot Ion: 43 Resp: 216651

Ion Ratio Lower Upper

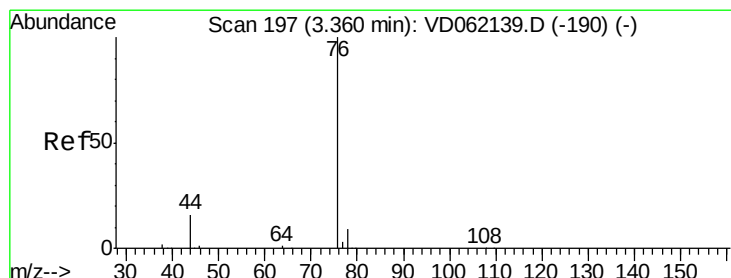
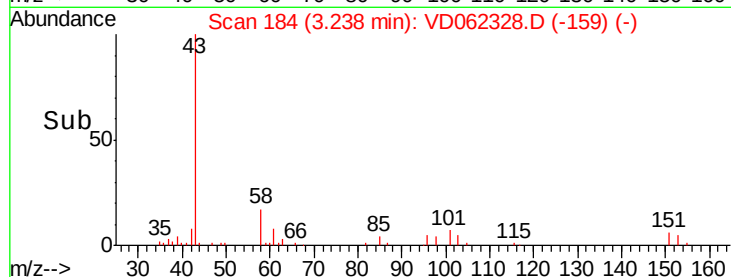
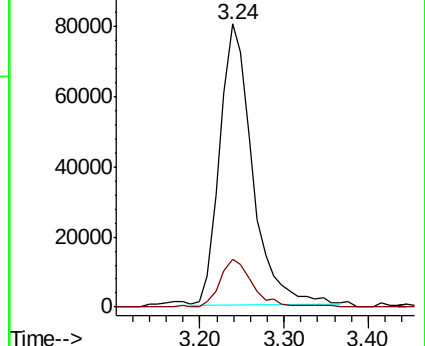
43 100

58 16.7 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: 57.517 ug/l

RT: 3.40 min Scan# 200

Delta R.T. 0.04 min

Lab File: VD062328.D

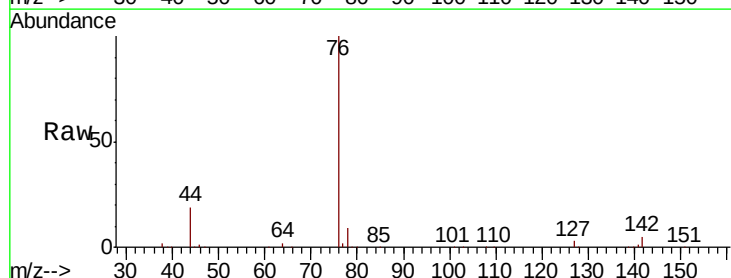
Acq: 14 May 2019 3:26

Tgt Ion: 76 Resp: 780300

Ion Ratio Lower Upper

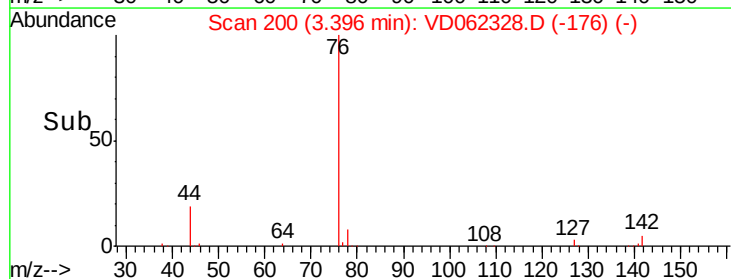
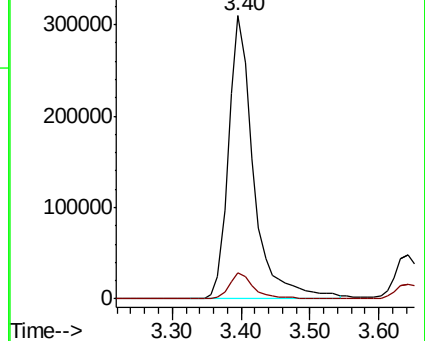
76 100

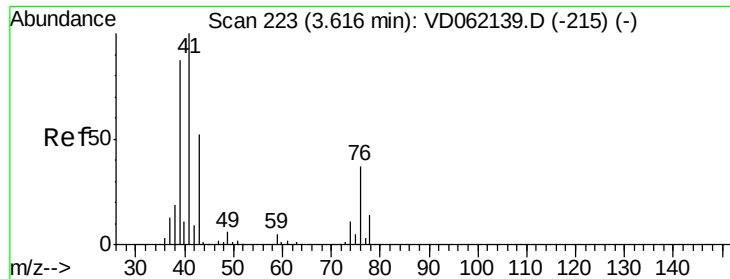
78 9.3 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

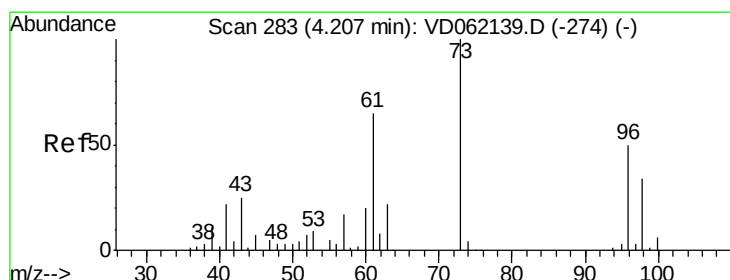
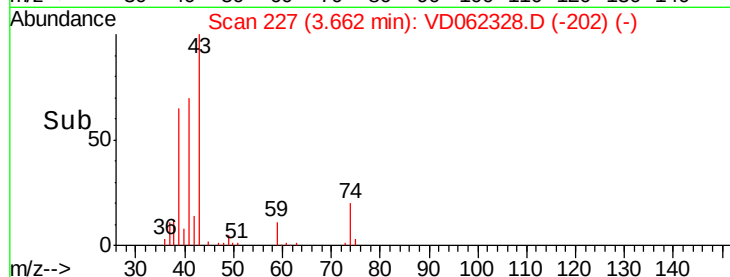
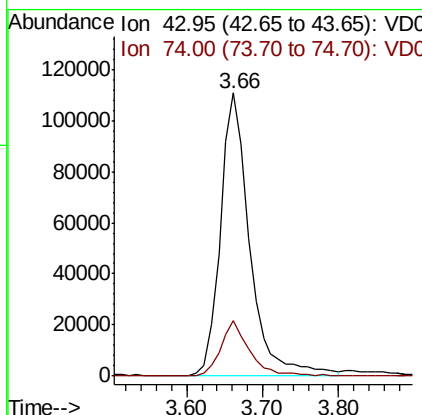
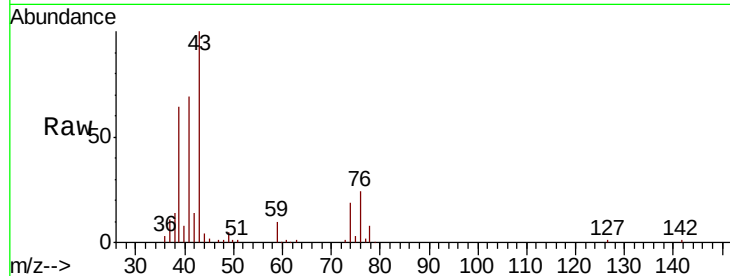




#18
Methyl Acetate
Concen: 139.227 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

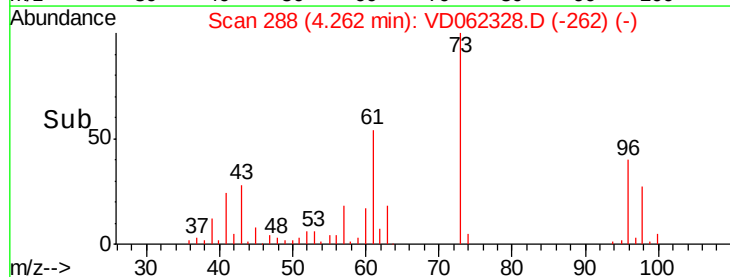
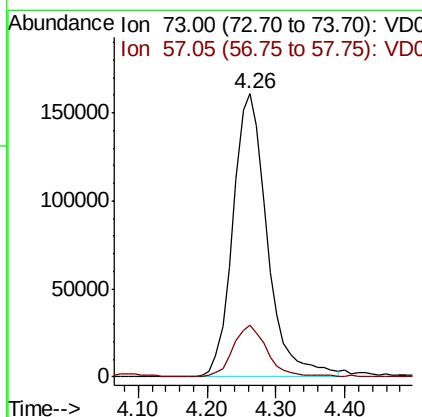
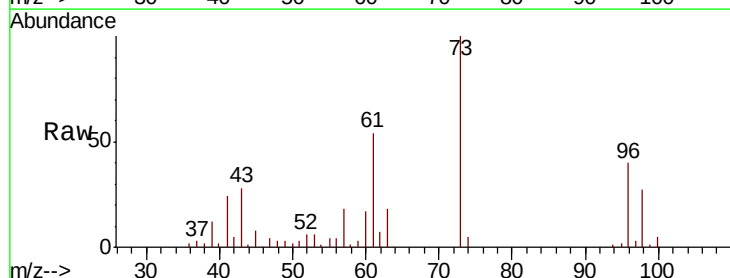
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

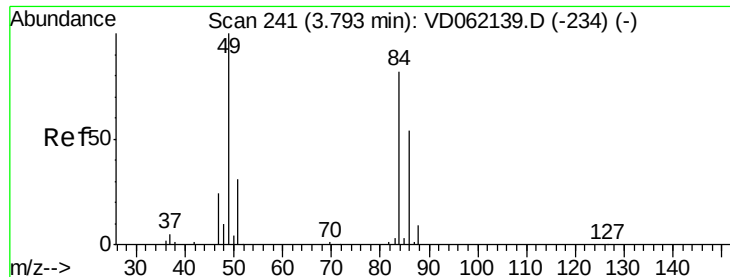
Tot Ion: 43 Resp: 298980
Ion Ratio Lower Upper
43 100
74 19.5 18.0 27.0



#19
Methyl tert-butyl Ether
Concen: 54.962 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.06 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 73 Resp: 555584
Ion Ratio Lower Upper
73 100
57 18.1 16.3 24.5

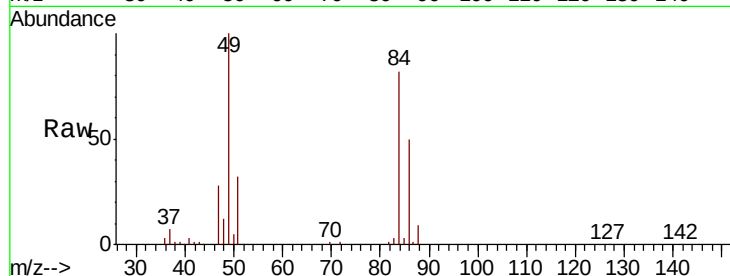




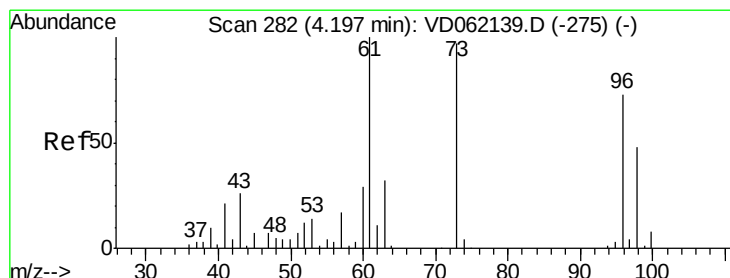
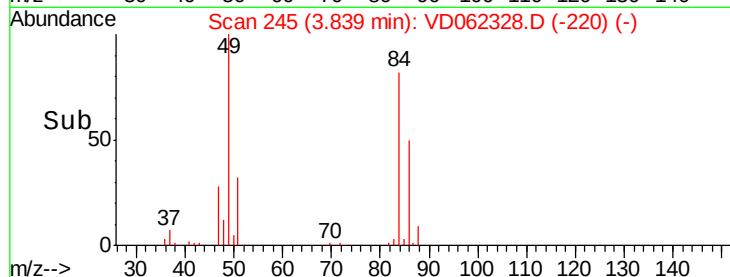
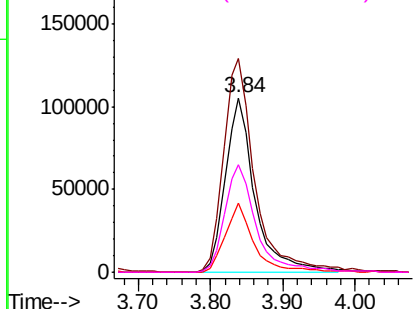
#20
Methylene Chloride
Concen: 59.457 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion:	84	Resp:	299244
Ion	Ratio	Lower	Upper
84	100		
49	122.2	94.0	141.0
51	39.2	29.0	43.4
86	61.6	49.8	74.6

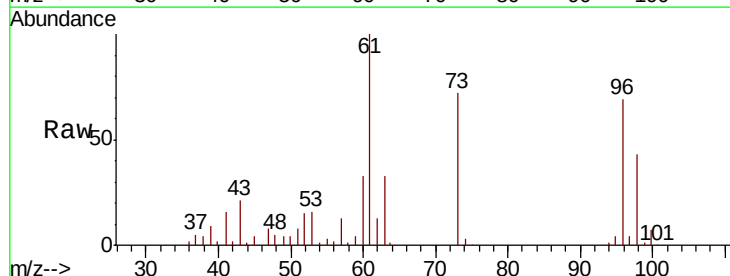


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

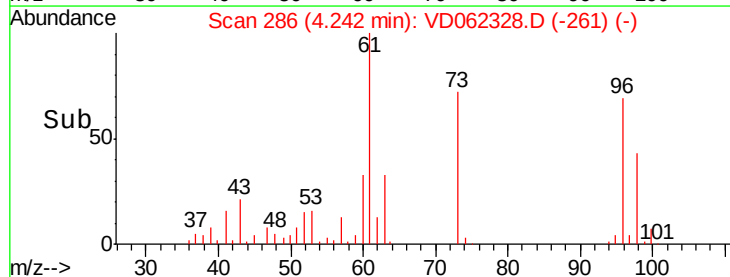
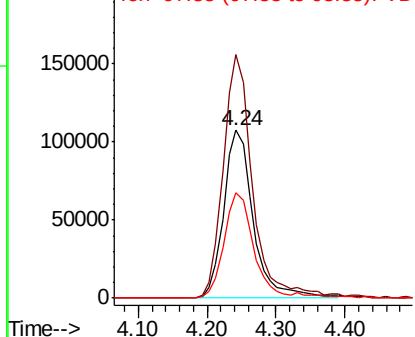


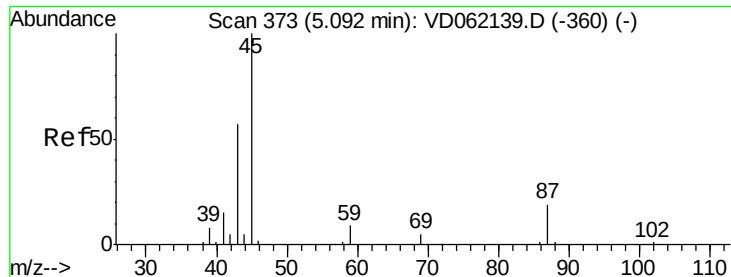
#21
trans-1,2-Dichloroethene
Concen: 61.125 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion:	96	Resp:	320772
Ion	Ratio	Lower	Upper
96	100		
61	145.0	104.4	156.6
98	62.6	51.8	77.8



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





#22

Diisopropyl ether

Concen: 61.259 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion: 45 Resp: 893868

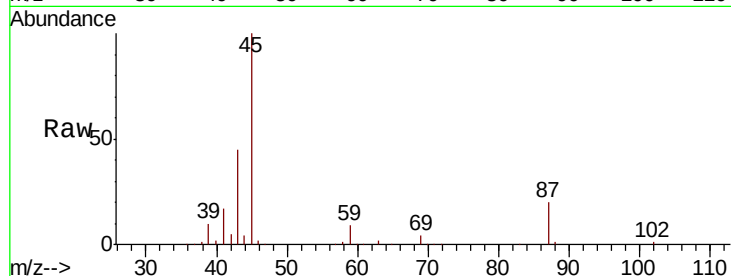
Ion Ratio Lower Upper

45 100

43 44.9 46.2 69.2#

87 19.6 15.9 23.9

59 8.6 7.9 11.9

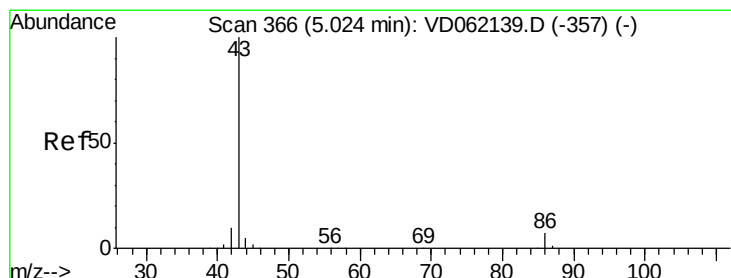
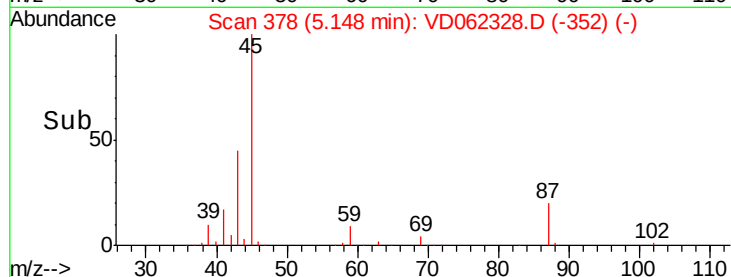
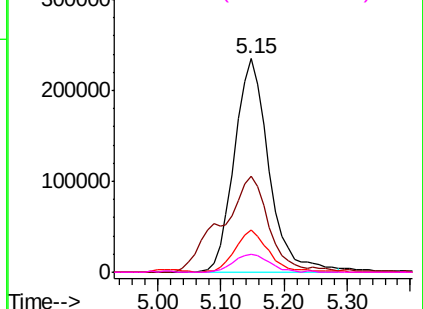


Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC



#23

Vinyl Acetate

Concen: 69.405 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.12 min

Lab File: VD062328.D

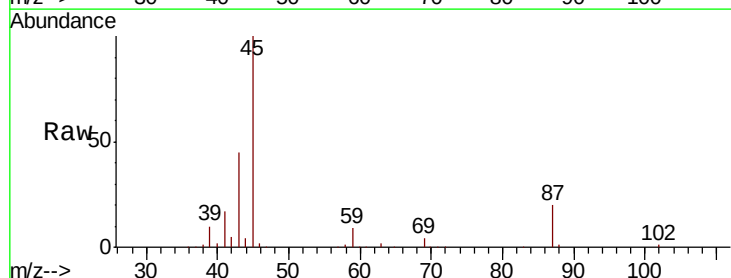
Acq: 14 May 2019 3:26

Tgt Ion: 43 Resp: 534328

Ion Ratio Lower Upper

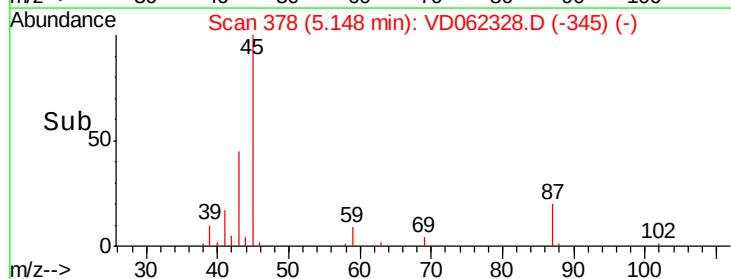
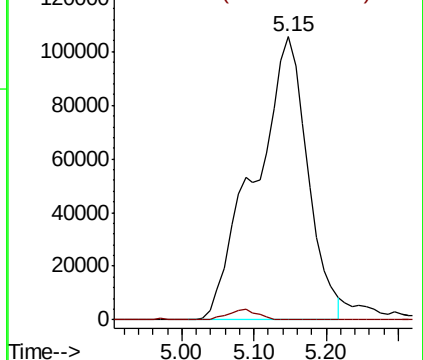
43 100

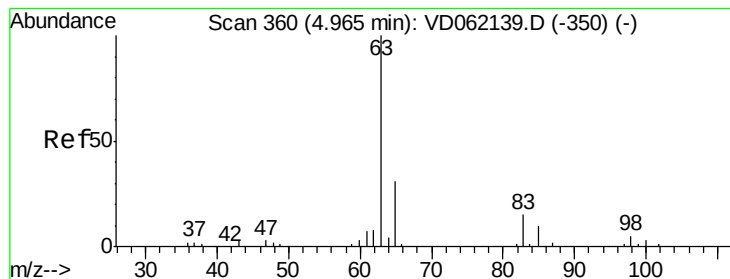
86 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 66.255 ug/l

RT: 5.02 min Scan# 365

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

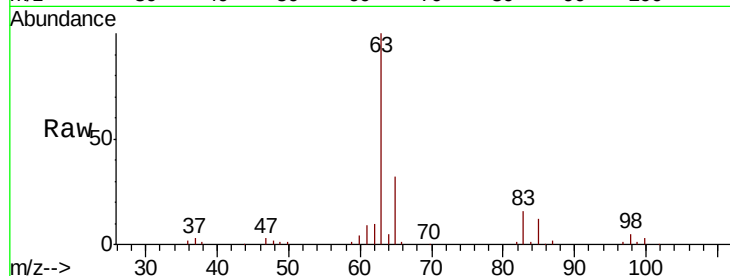
Tot Ion: 63 Resp: 583212

Ion Ratio Lower Upper

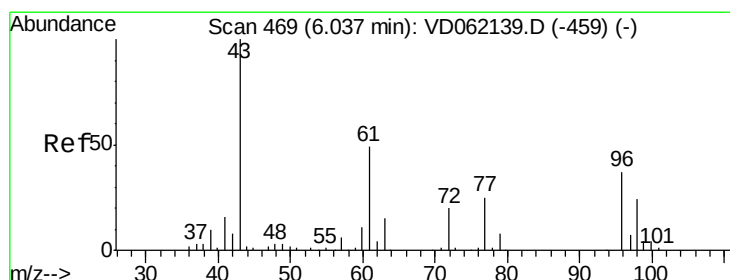
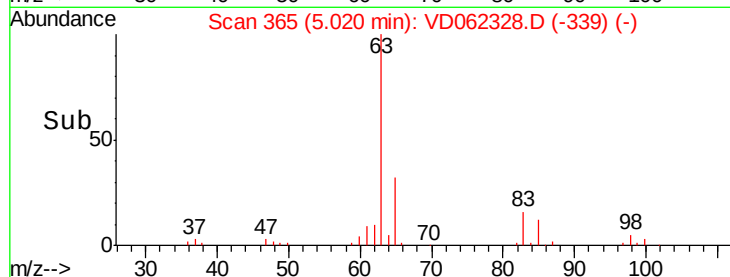
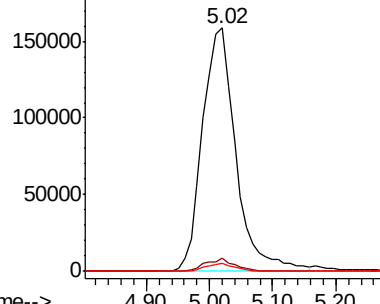
63 100

98 5.2 2.8 8.4

100 3.2 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: 174.112 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.06 min

Lab File: VD062328.D

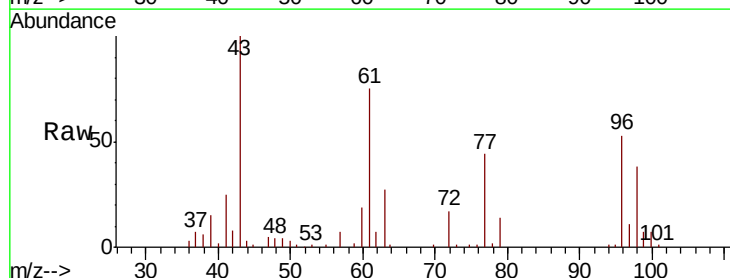
Acq: 14 May 2019 3:26

Tgt Ion: 43 Resp: 228920

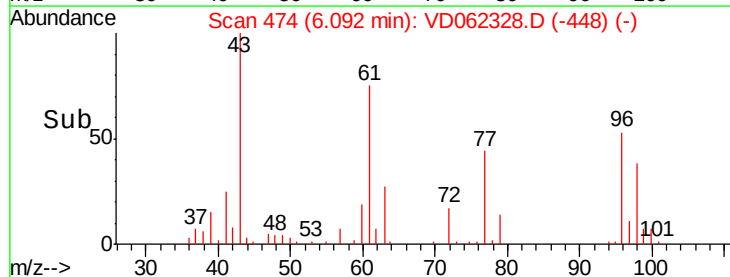
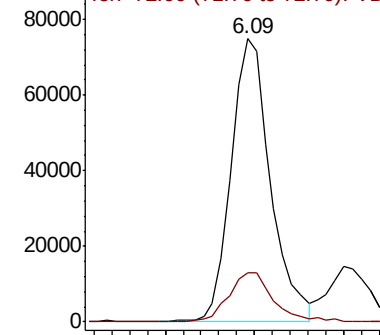
Ion Ratio Lower Upper

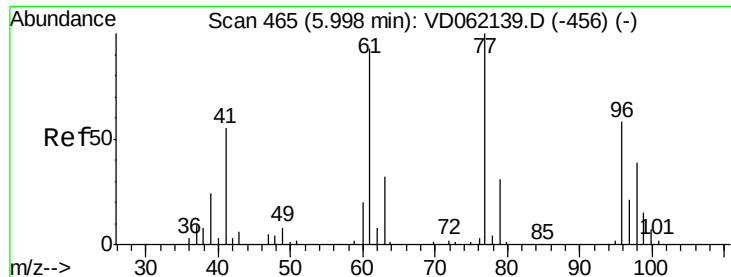
43 100

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: 59.144 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

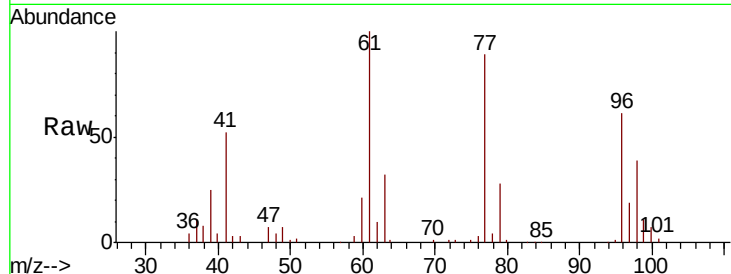
P026-SS015-1824-01MSD

Tot Ion: 77 Resp: 518599

Ion Ratio Lower Upper

77 100

97 20.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.05

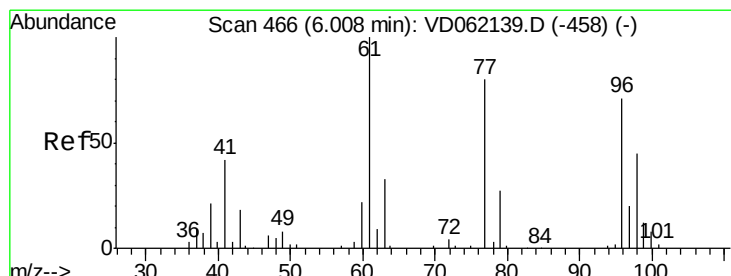
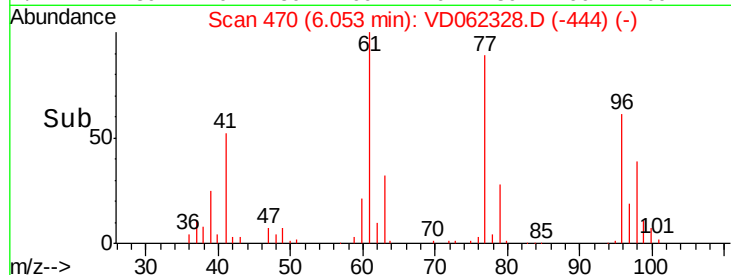
150000

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 61.118 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

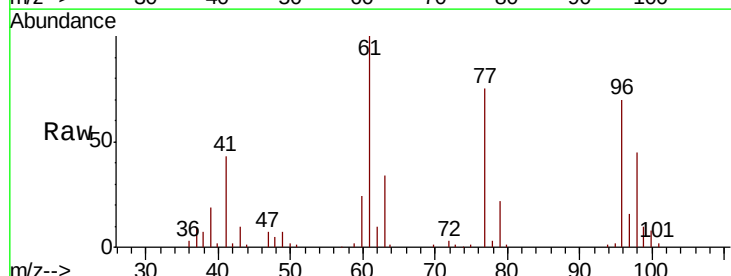
Tgt Ion: 96 Resp: 359011

Ion Ratio Lower Upper

96 100

61 143.5 0.0 279.8

98 64.8 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

200000

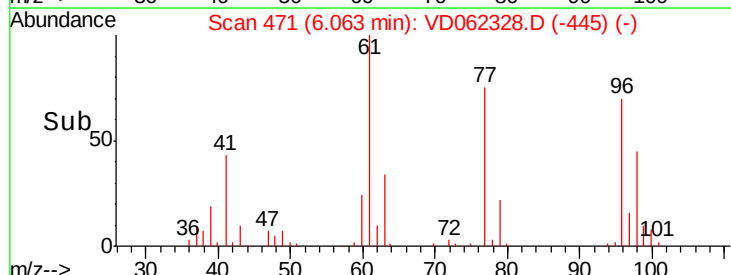
150000

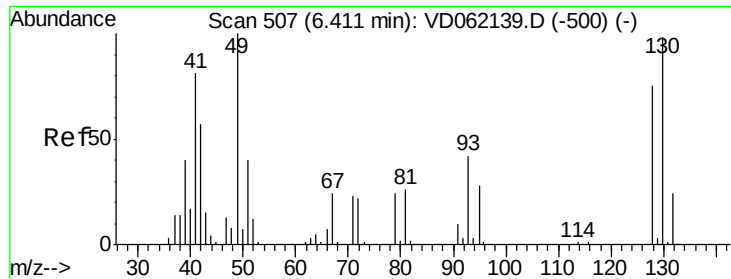
100000

50000

0

Time-->





#28

Bromochloromethane

Concen: 49.246 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

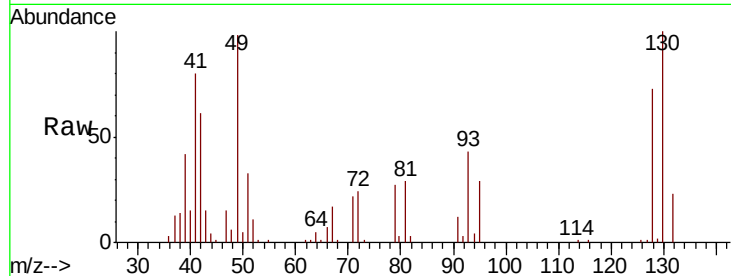
Tot Ion: 49 Resp: 170549

Ion Ratio Lower Upper

49 100

129 1.8 0.0 6.6

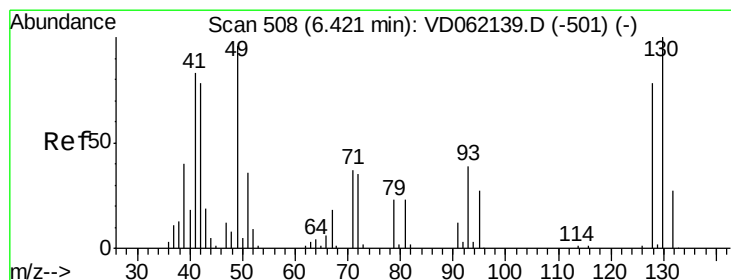
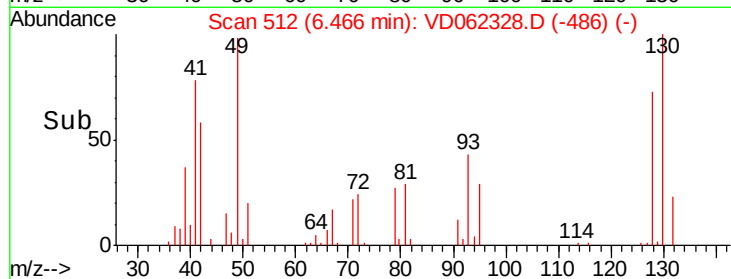
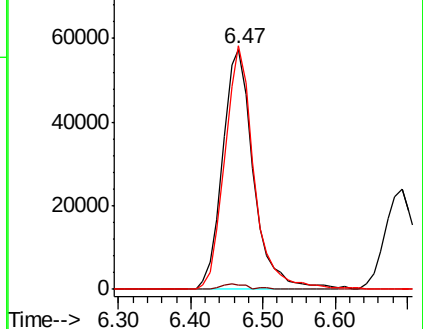
130 101.5 86.7 130.1



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: 238.451 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

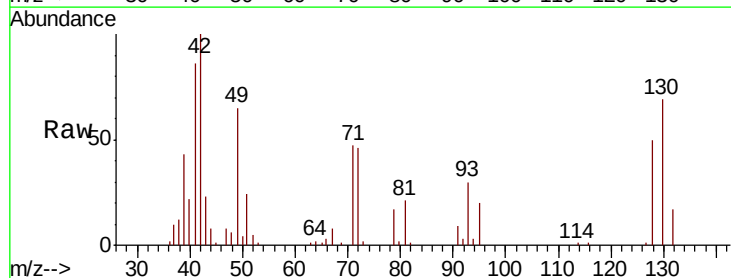
Tgt Ion: 42 Resp: 144453

Ion Ratio Lower Upper

42 100

72 43.5 37.8 56.6

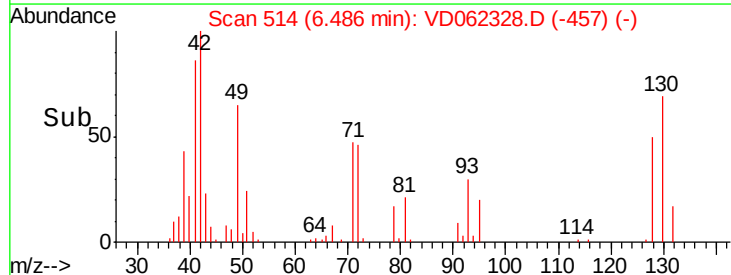
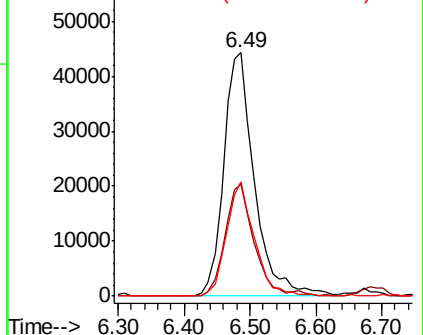
71 42.7 36.7 55.1

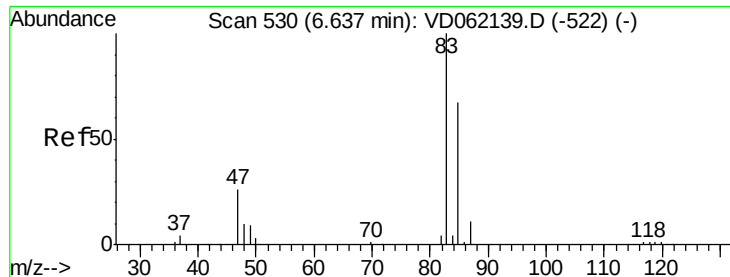


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

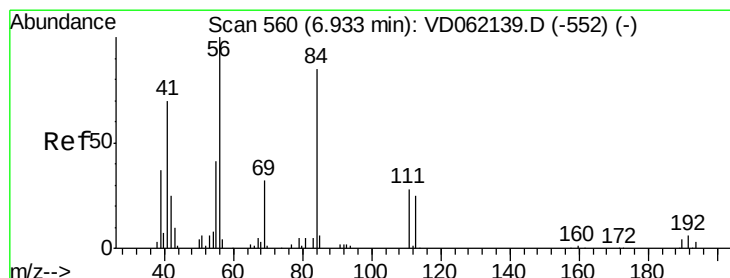
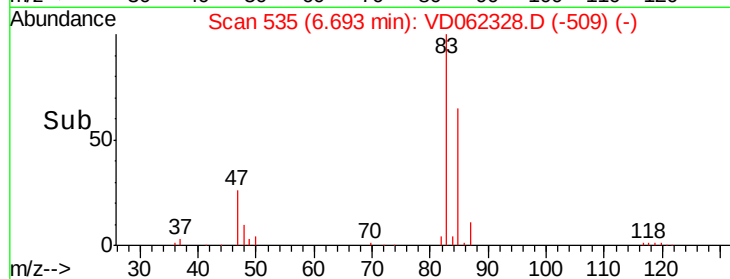
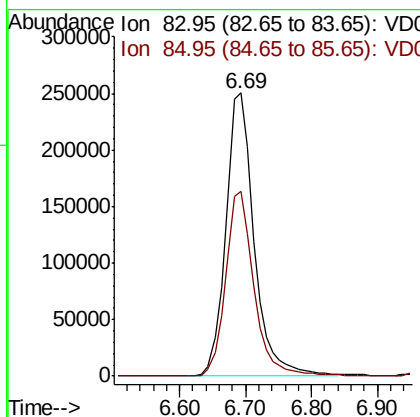
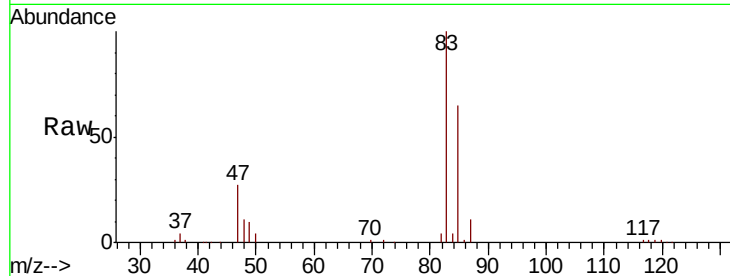




#30
Chloroform
Concen: 71.211 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.06 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

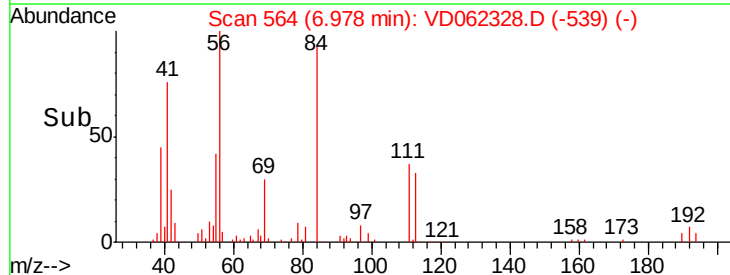
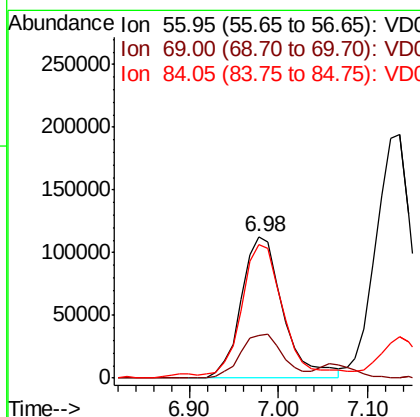
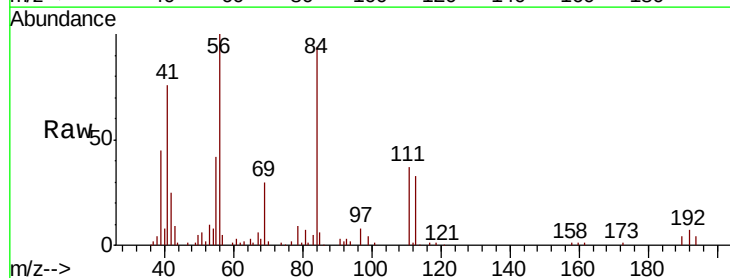
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

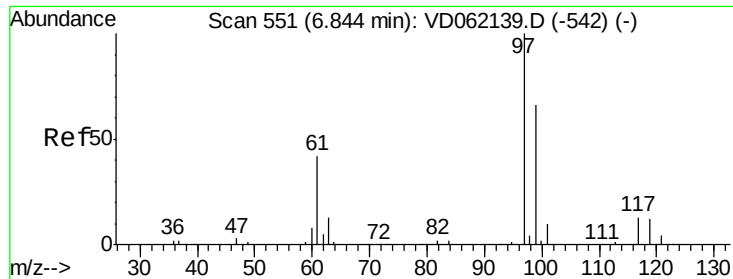
Tot Ion: 83 Resp: 755455
Ion Ratio Lower Upper
83 100
85 65.3 51.7 77.5



#31
Cyclohexane
Concen: 60.645 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 56 Resp: 365732
Ion Ratio Lower Upper
56 100
69 30.4 25.8 38.6
84 94.4 72.2 108.4





#32

1,1,1-Trichloroethane

Concen: 72.802 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

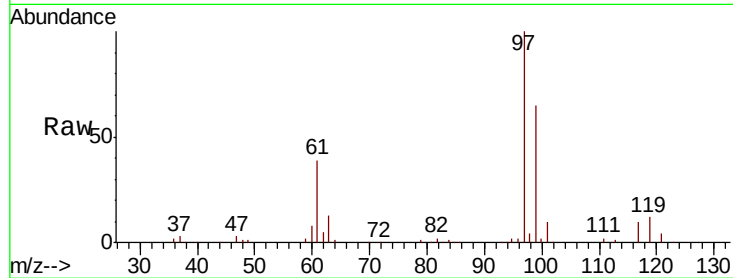
Tot Ion: 97 Resp: 730003

Ion Ratio Lower Upper

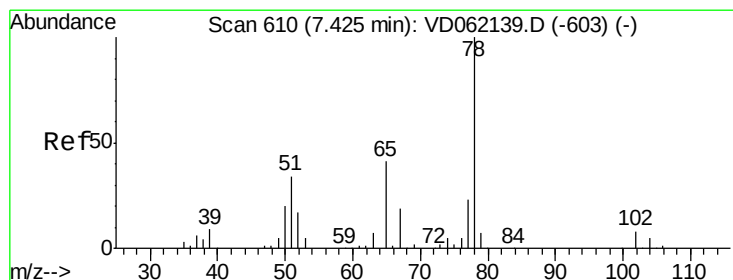
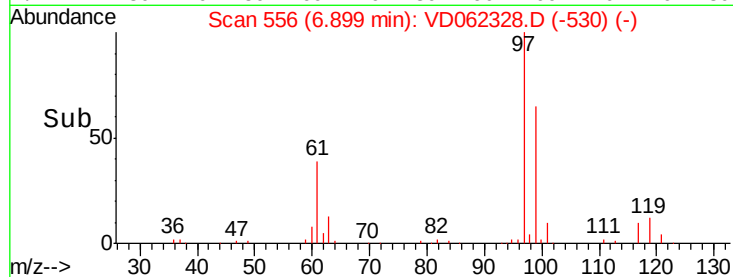
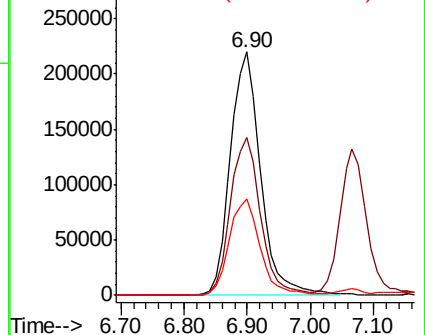
97 100

99 64.9 52.2 78.2

61 39.5 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 56.228 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.06 min

Lab File: VD062328.D

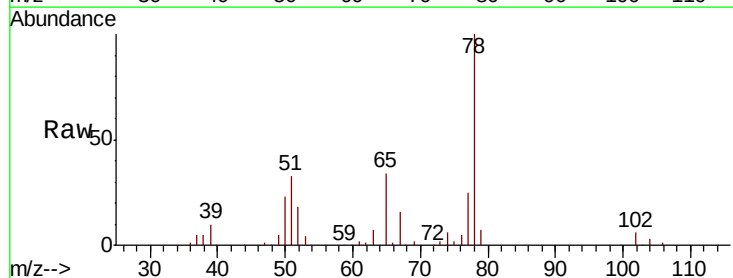
Acq: 14 May 2019 3:26

Tgt Ion: 65 Resp: 323189

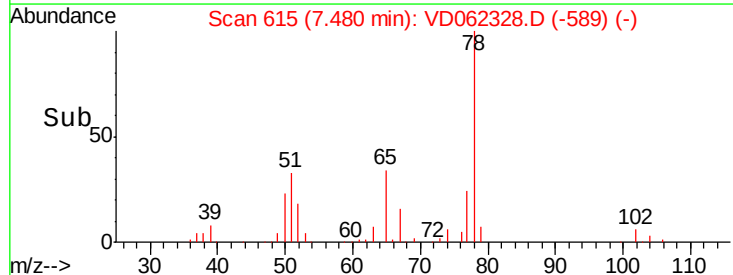
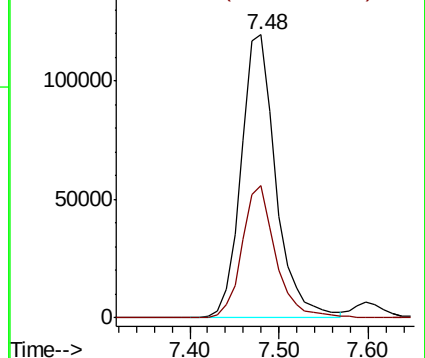
Ion Ratio Lower Upper

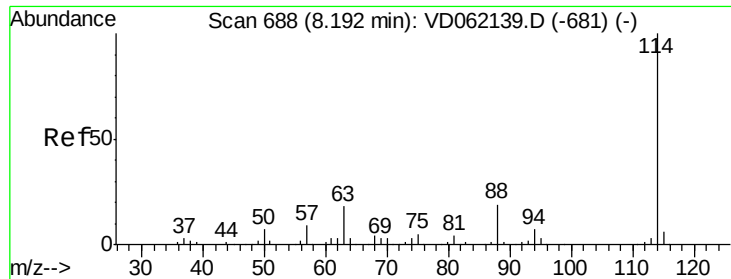
65 100

67 47.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

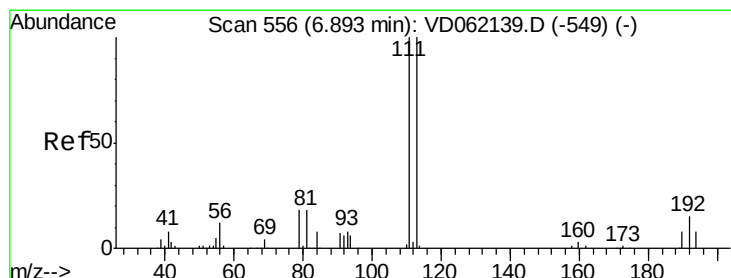
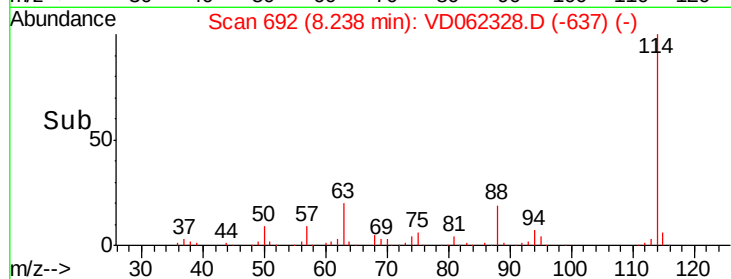
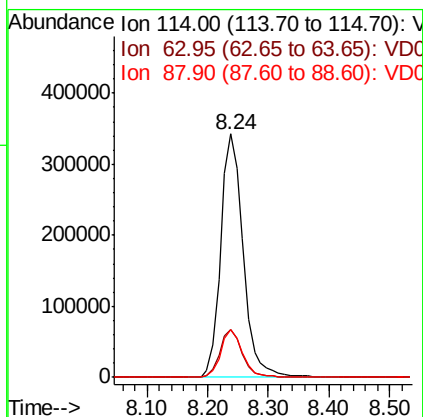
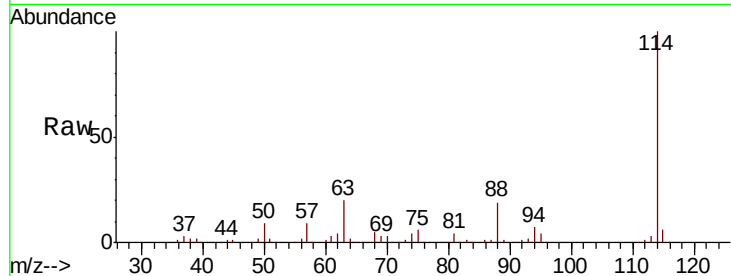




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.05 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

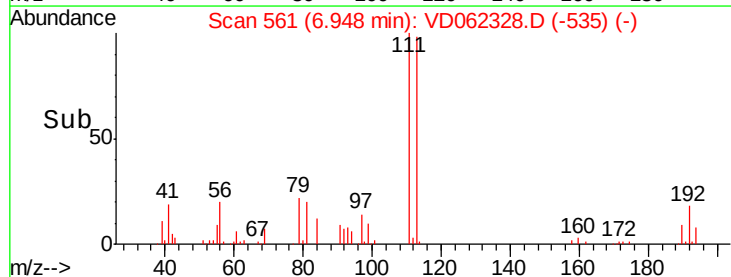
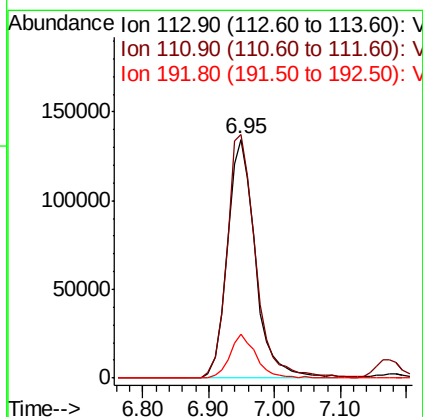
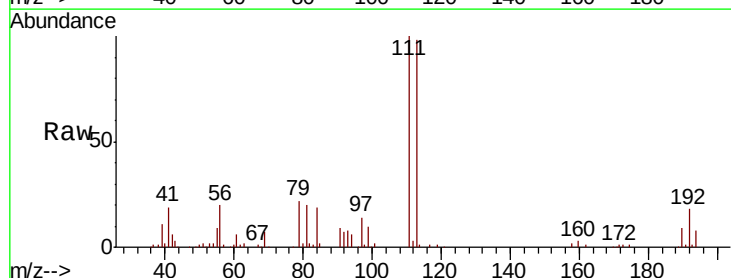
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

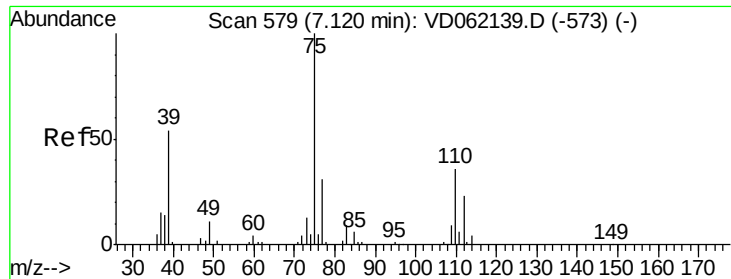
Tot Ion:114 Resp: 883477
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 32.4
 88 19.4 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 54.780 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.06 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion:113 Resp: 401552
 Ion Ratio Lower Upper
 113 100
 111 101.9 78.5 117.7
 192 18.2 13.0 19.4

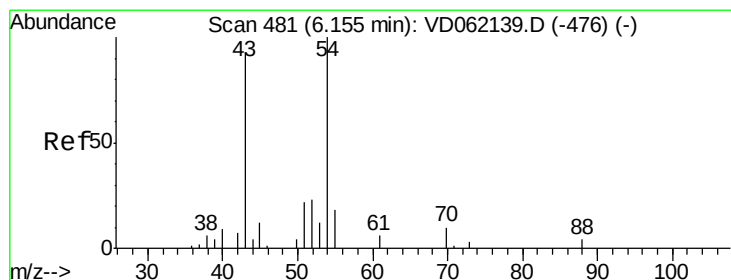
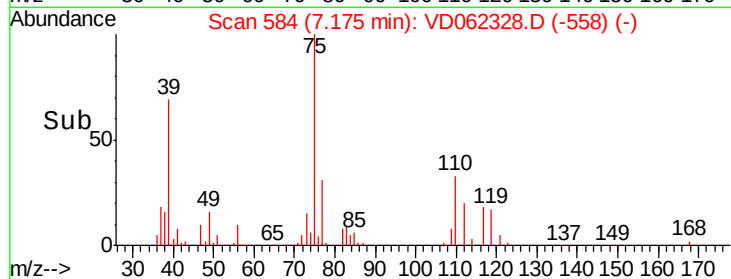
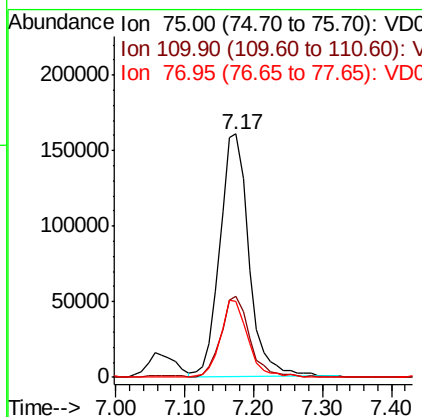
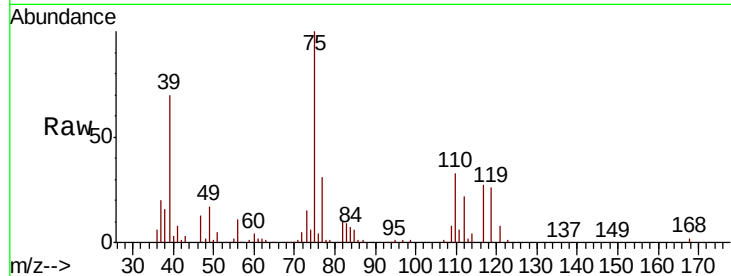




#36
 1,1-Dichloropropene
 Concen: 64.834 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.06 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

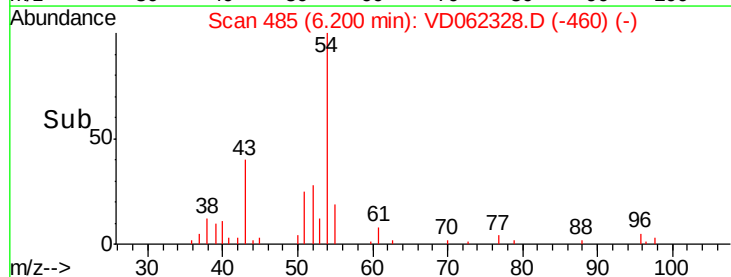
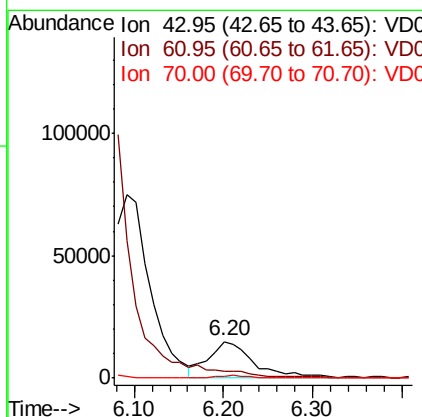
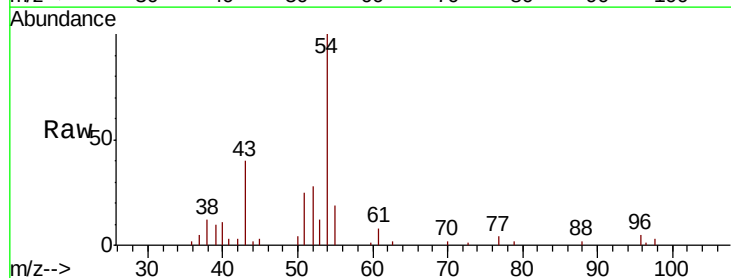
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

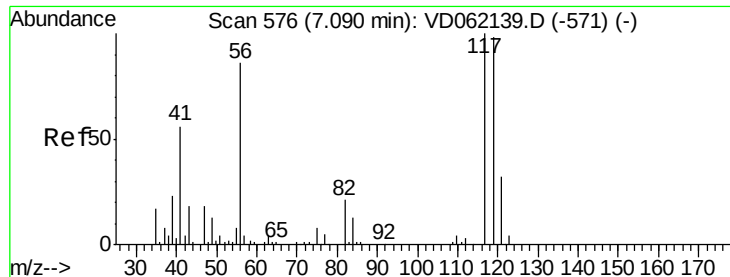
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.2	19.1	57.1
77	31.3	25.6	38.4



#37
 Ethyl Acetate
 Concen: 16.434 ug/l
 RT: 6.20 min Scan# 485
 Delta R.T. 0.05 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.0	14.7	22.1
70	5.5	7.8	11.6





#38

Carbon Tetrachloride

Concen: 77.408 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

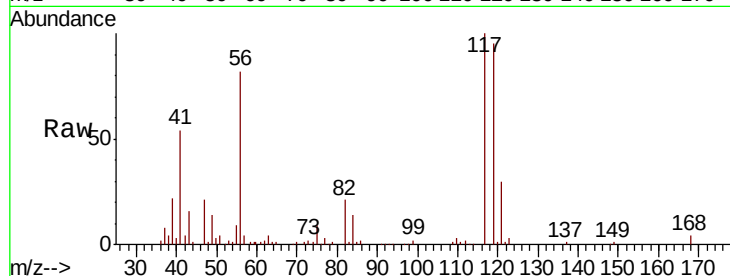
Tot Ion:117 Resp: 776087

Ion Ratio Lower Upper

117 100

119 94.6 75.8 113.8

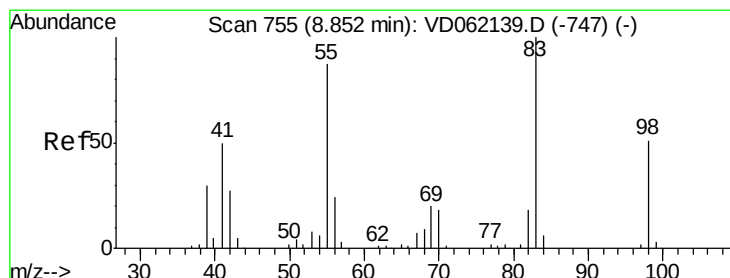
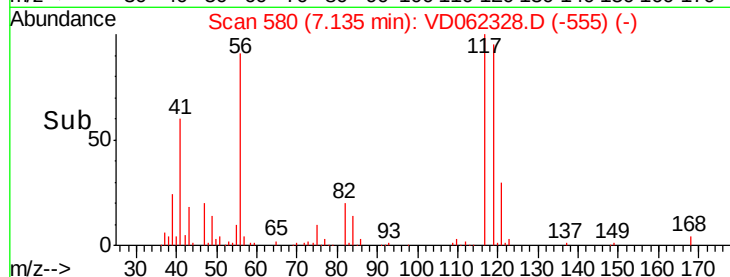
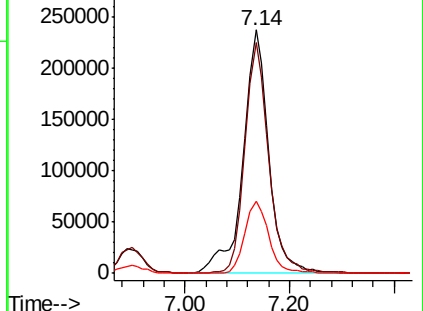
121 29.9 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 52.437 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

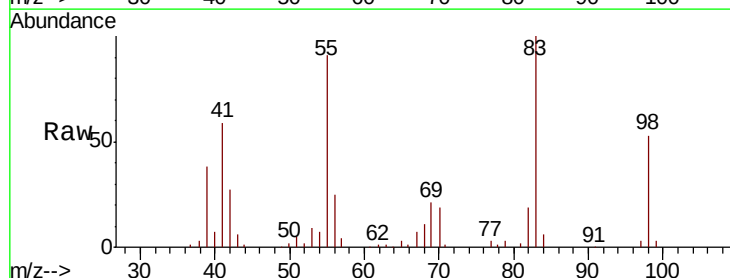
Tgt Ion: 83 Resp: 363932

Ion Ratio Lower Upper

83 100

55 91.1 68.2 102.4

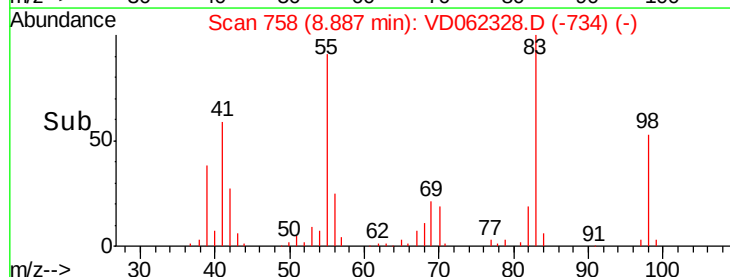
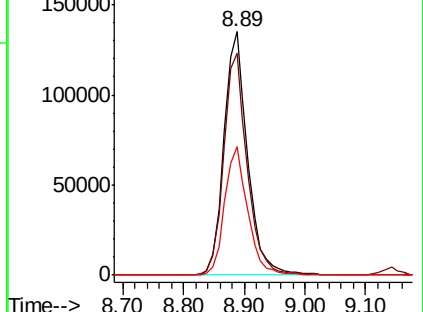
98 52.7 38.2 57.4

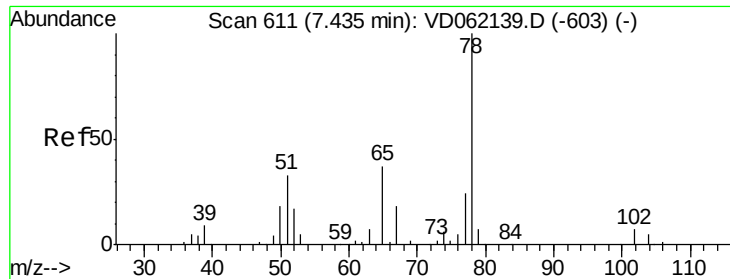


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#40

Benzene

Concen: 59.901 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

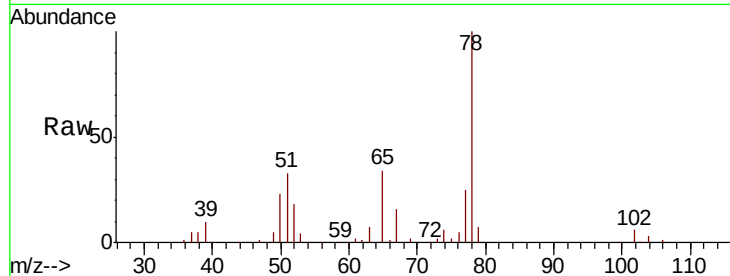
P026-SS015-1824-01MSD

Tot Ion: 78 Resp: 979798

Ion Ratio Lower Upper

78 100

77 24.5 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

7.48

400000

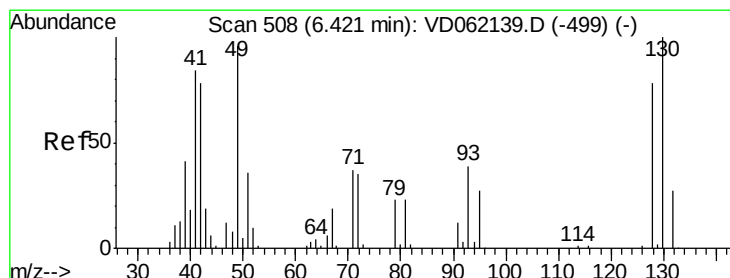
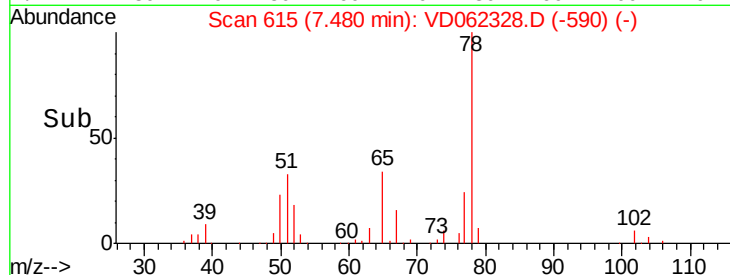
300000

200000

100000

0

Time-->



#41

Methacrylonitrile

Concen: 48.000 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Tgt Ion: 41 Resp: 180195

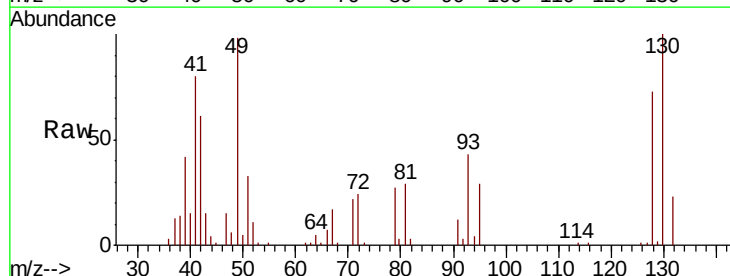
Ion Ratio Lower Upper

41 100

39 52.4 34.1 51.1#

67 21.3 23.8 35.6#

52 14.0 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

6.47

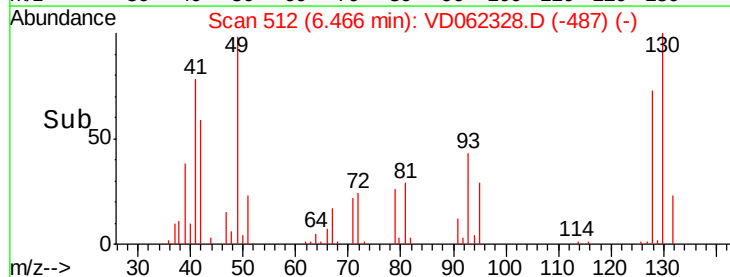
60000

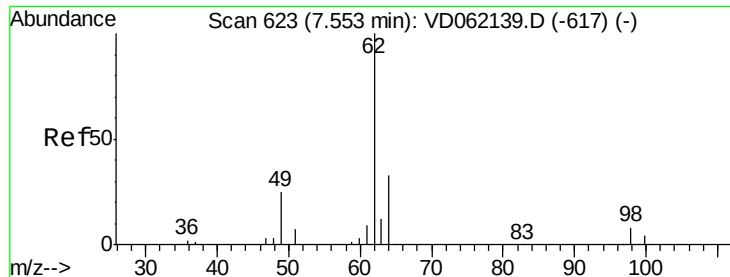
40000

20000

0

Time-->





#42

1,2-Dichloroethane

Concen: 67.335 ug/l

RT: 7.60 min Scan# 627

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

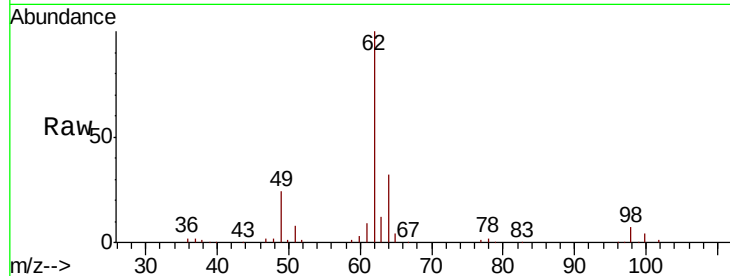
P026-SS015-1824-01MSD

Tot Ion: 62 Resp: 466645

Ion Ratio Lower Upper

62 100

98 6.7 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

7.60

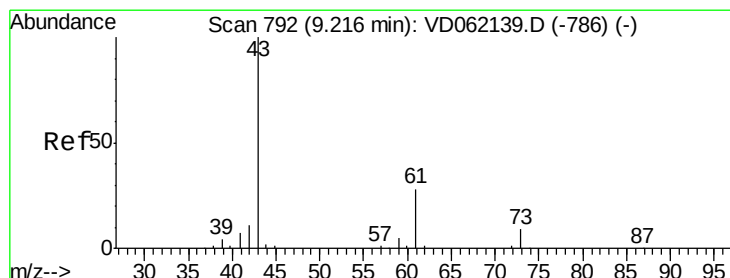
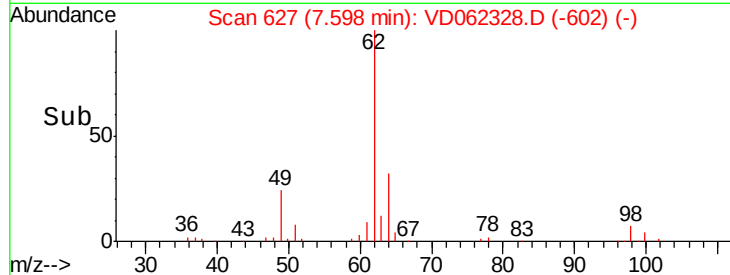
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 12.860 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

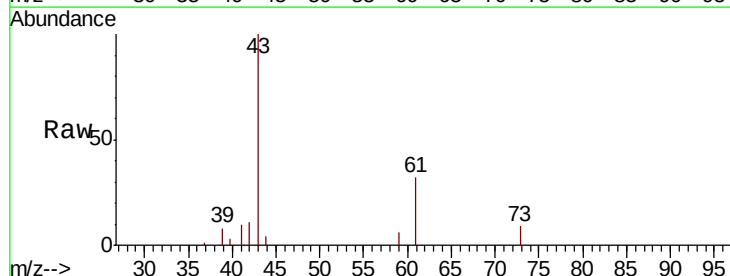
Tgt Ion: 43 Resp: 56028

Ion Ratio Lower Upper

43 100

61 31.8 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

9.26

30000

25000

20000

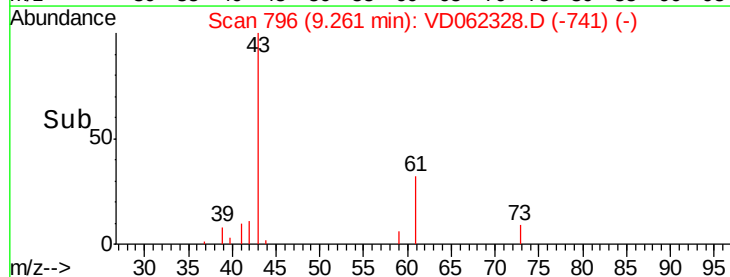
15000

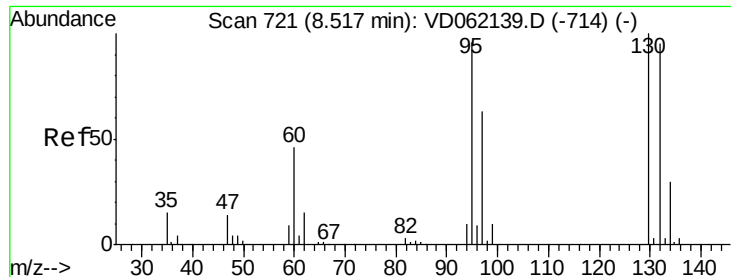
10000

5000

0

Time-->





#44

Trichloroethene

Concen: 57.824 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

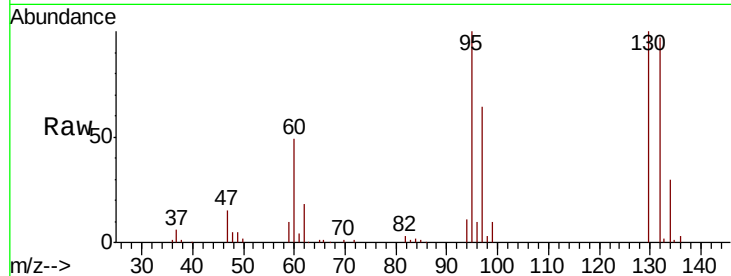
P026-SS015-1824-01MSD

Tot Ion:130 Resp: 360412

Ion Ratio Lower Upper

130 100

95 99.8 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

8.56

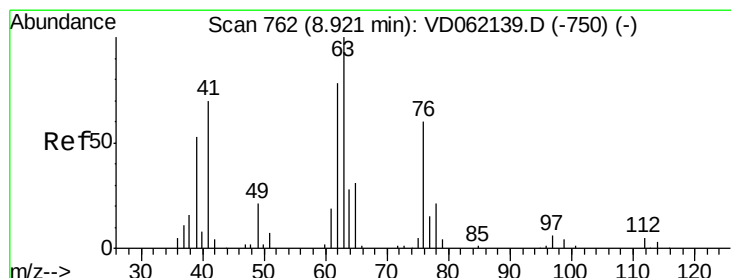
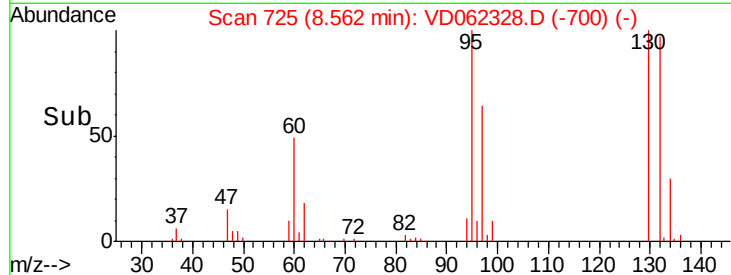
150000

100000

50000

0

Time-->



#45

1,2-Dichloropropane

Concen: 58.806 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.04 min

Lab File: VD062328.D

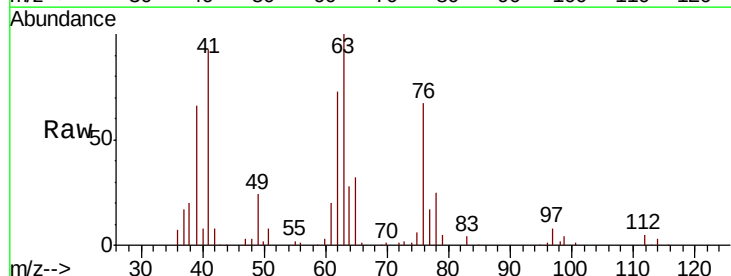
Acq: 14 May 2019 3:26

Tgt Ion: 63 Resp: 237927

Ion Ratio Lower Upper

63 100

65 31.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.96

100000

80000

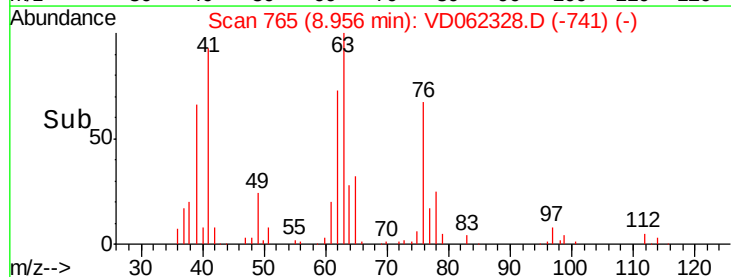
60000

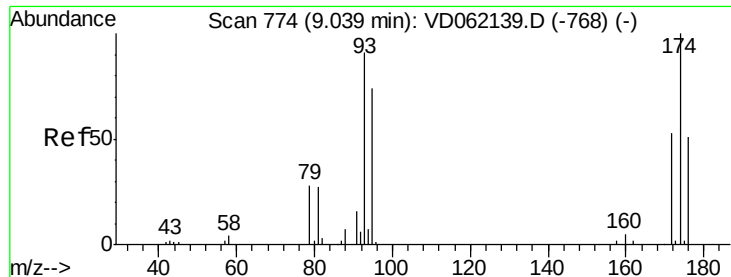
40000

20000

0

Time-->

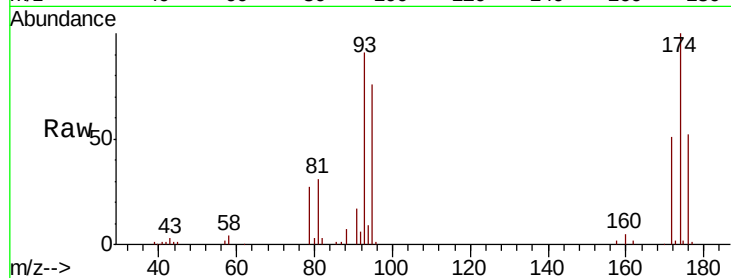




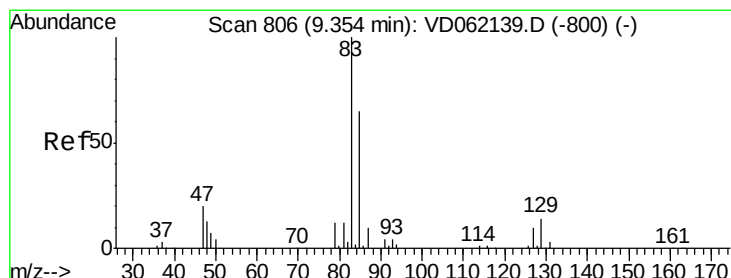
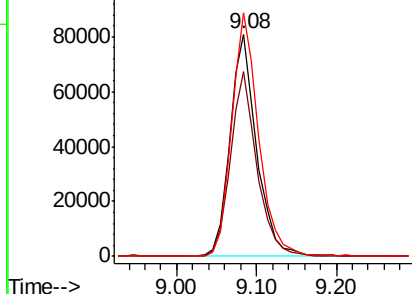
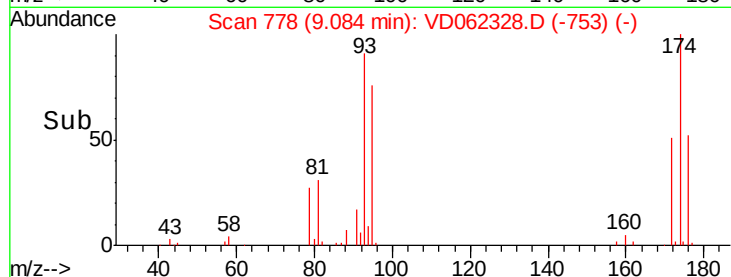
#46
 Dibromomethane
 Concen: 57.055 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.05 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion: 93 Resp: 187718
 Ion Ratio Lower Upper
 93 100
 95 83.1 64.8 97.2
 174 109.7 79.3 118.9

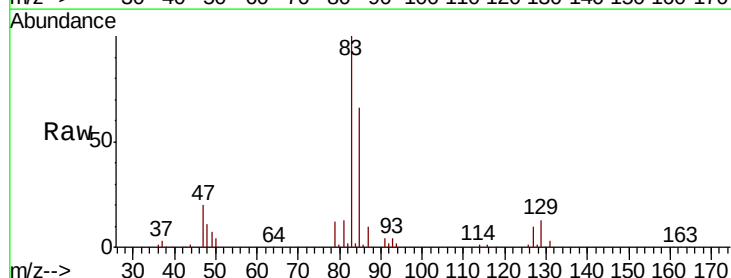


Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V

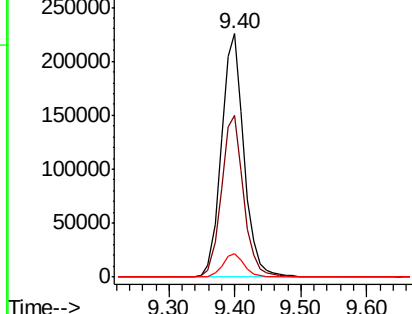
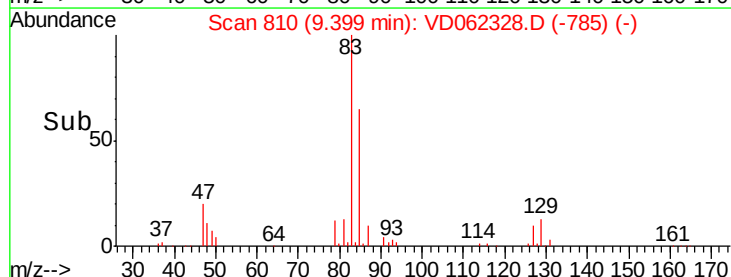


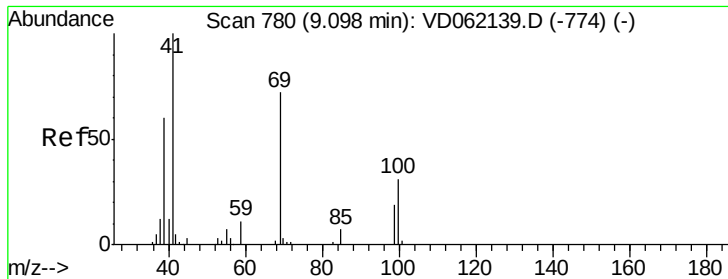
#47
 Bromodichloromethane
 Concen: 66.877 ug/l
 RT: 9.40 min Scan# 810
 Delta R.T. 0.05 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion: 83 Resp: 538203
 Ion Ratio Lower Upper
 83 100
 85 66.4 50.9 76.3
 127 9.9 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): V

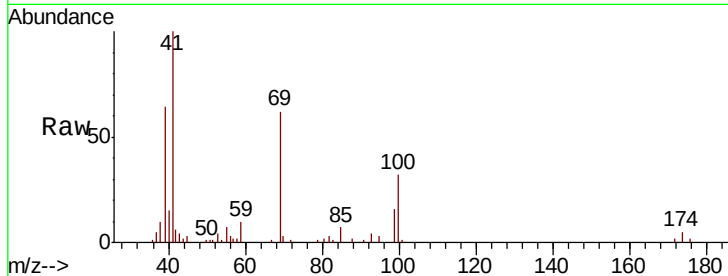




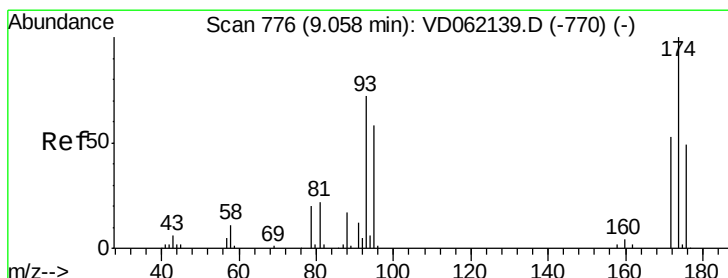
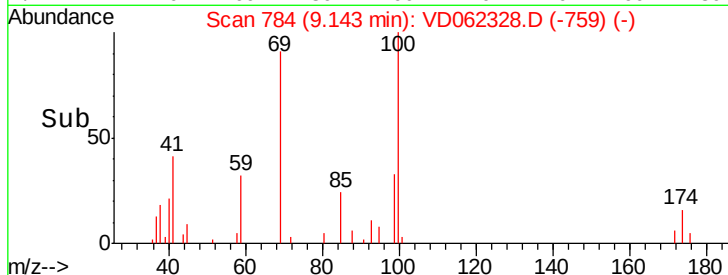
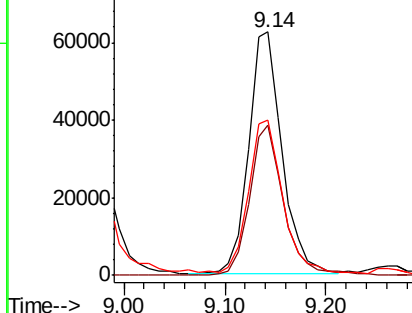
#48
Methvl methacrylate
Concen: 53.541 ug/l
RT: 9.14 min Scan# 784
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion: 41 Resp: 143681
Ion Ratio Lower Upper
41 100
69 61.9 64.2 96.2#
39 63.7 46.8 70.2

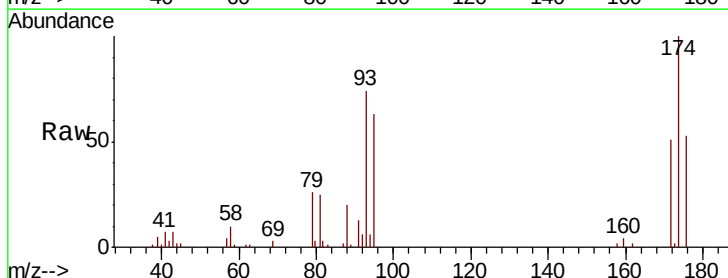


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

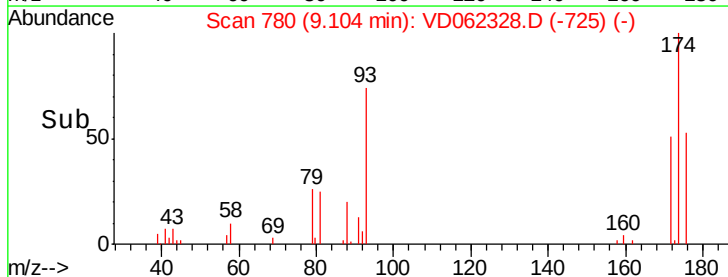
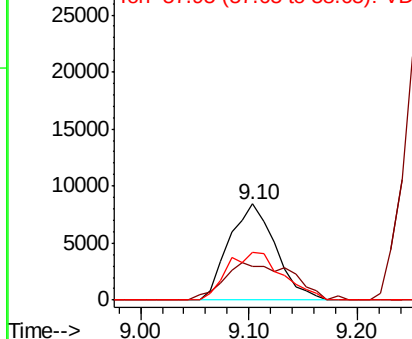


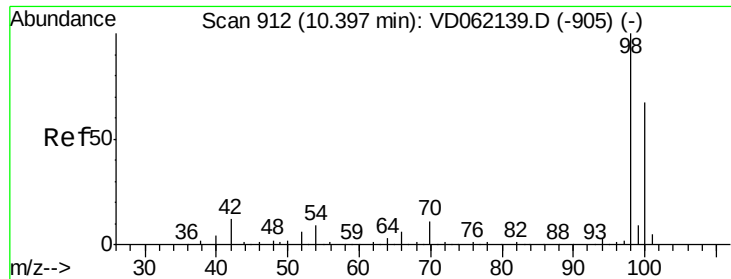
#49
1,4-Dioxane
Concen: 865.401 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 88 Resp: 25057
Ion Ratio Lower Upper
88 100
43 35.7 23.4 35.0#
58 50.3 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

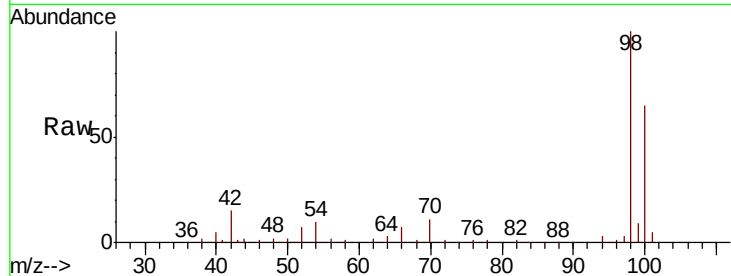




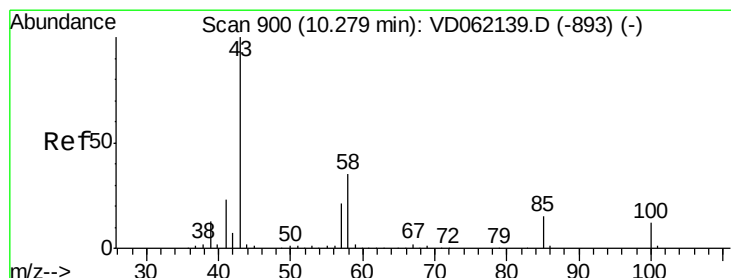
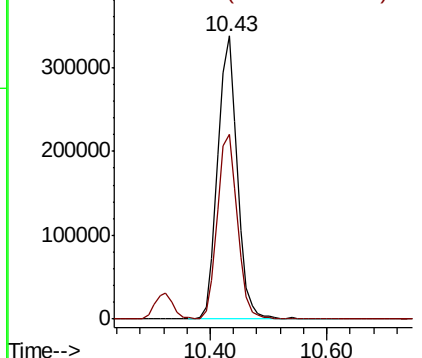
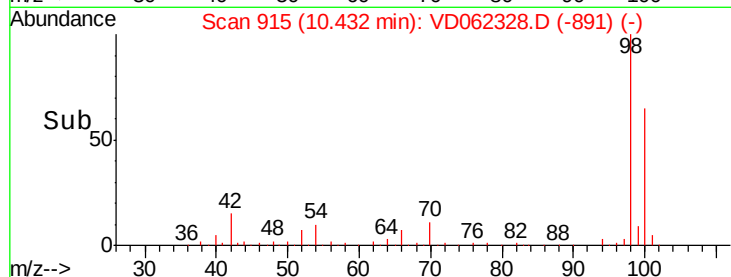
#50
Toluene-d8
Concen: 44.552 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.04 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion: 98 Resp: 787415
Ion Ratio Lower Upper
98 100
100 65.4 53.8 80.8

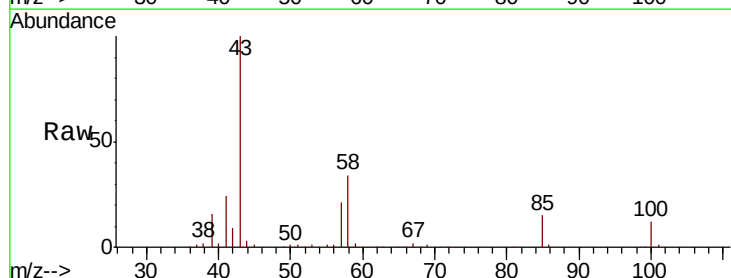


Abundance Ion 98.05 (97.75 to 98.75): VD062328.D (-891) (-)
Ion 100.05 (99.75 to 100.75): VD062328.D (-891) (-)

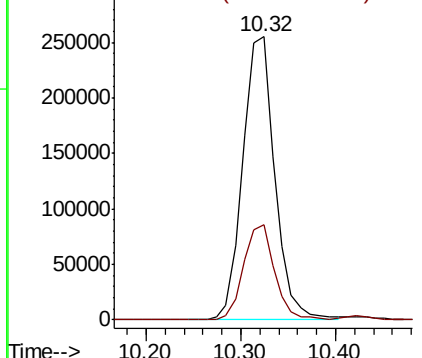
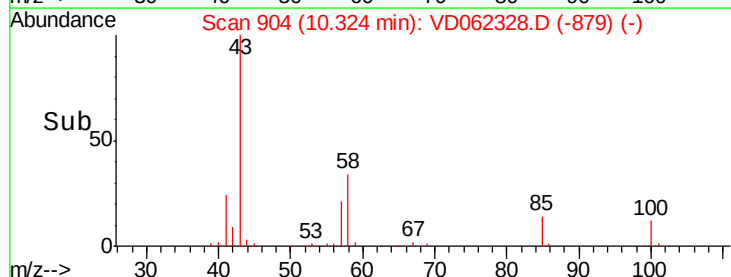


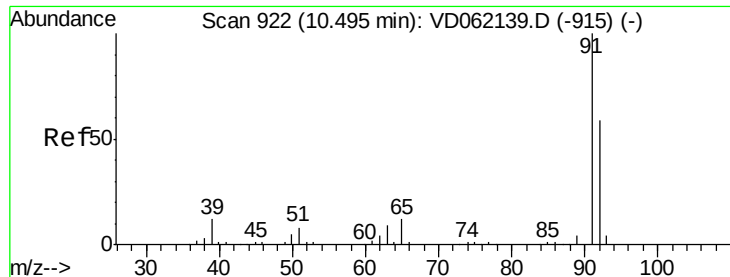
#51
4-Methyl-2-Pentanone
Concen: 214.005 ug/l
RT: 10.32 min Scan# 904
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 43 Resp: 599326
Ion Ratio Lower Upper
43 100
58 33.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VD062328.D (-879) (-)
Ion 57.95 (57.65 to 58.65): VD062328.D (-879) (-)





#52

Toluene

Concen: 54.552 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

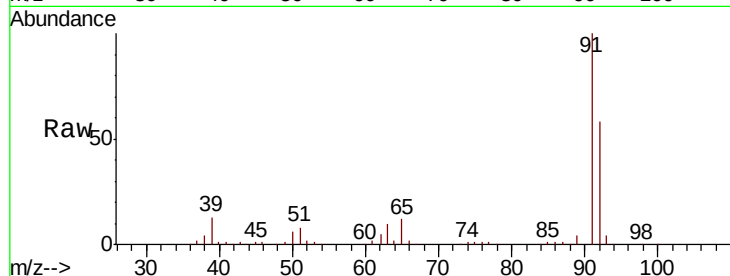
P026-SS015-1824-01MSD

Tot Ion: 92 Resp: 580578

Ion Ratio Lower Upper

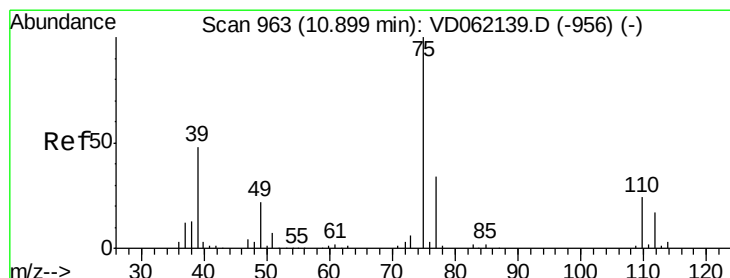
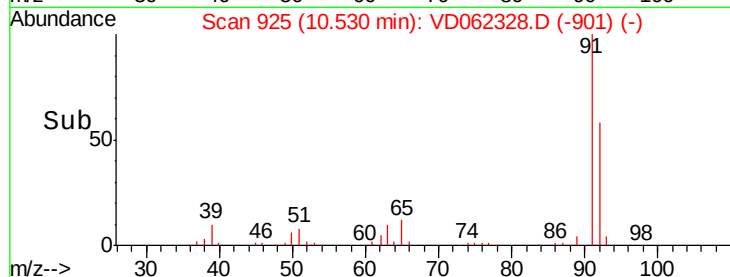
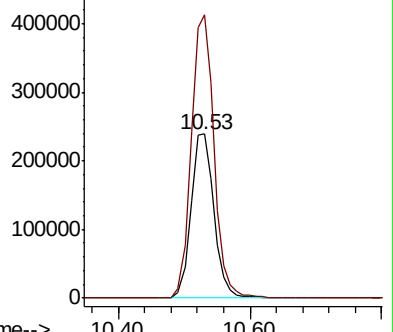
92 100

91 172.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 50.786 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.04 min

Lab File: VD062328.D

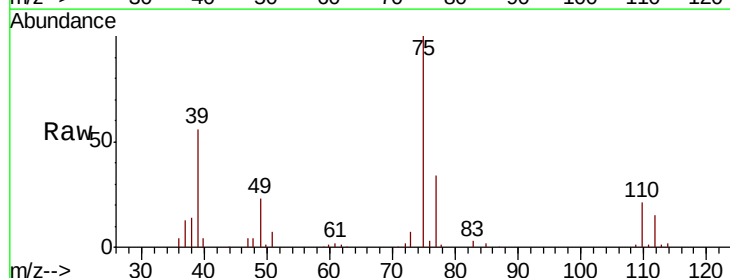
Acq: 14 May 2019 3:26

Tgt Ion: 75 Resp: 353238

Ion Ratio Lower Upper

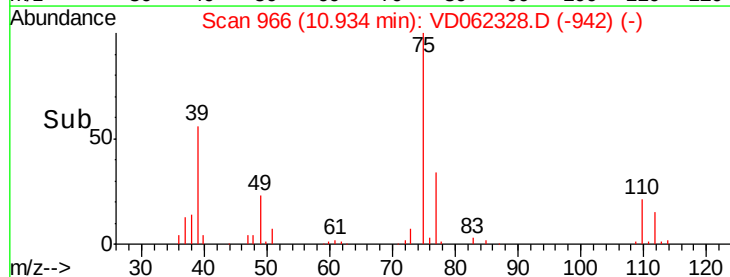
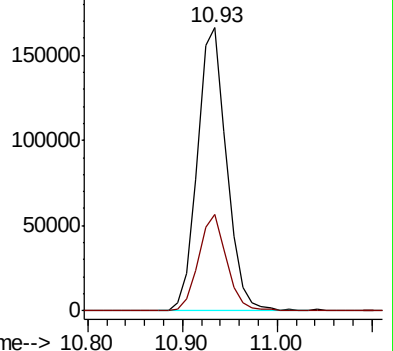
75 100

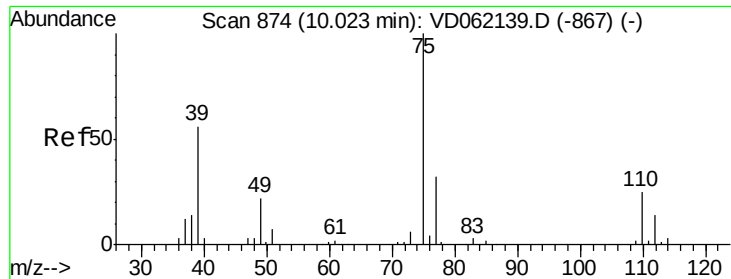
77 33.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



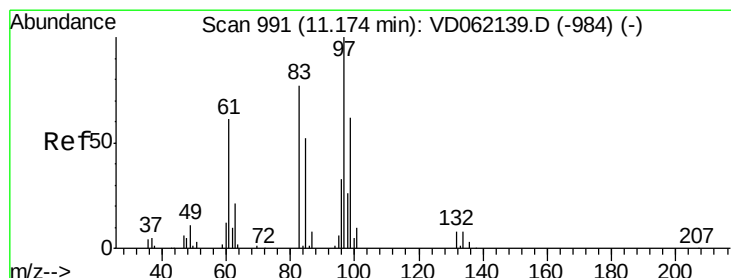
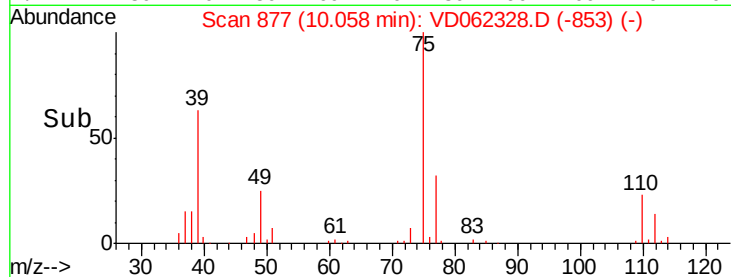
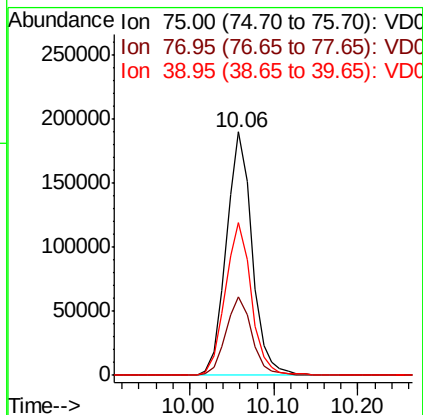
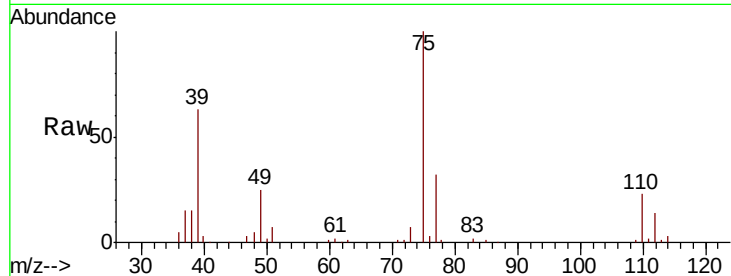


#54

cis-1,3-Dichloropropene
 Concen: 53.405 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.04 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

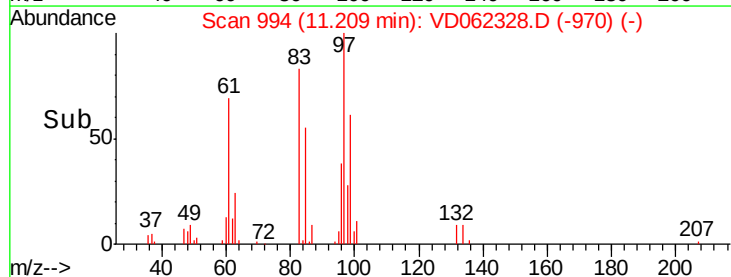
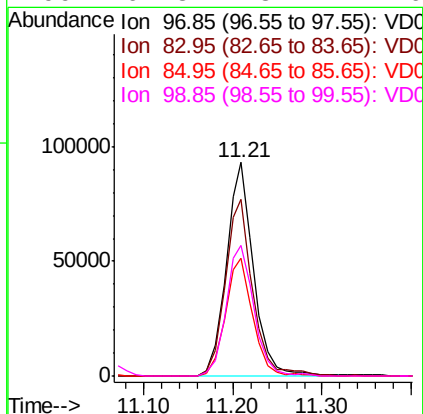
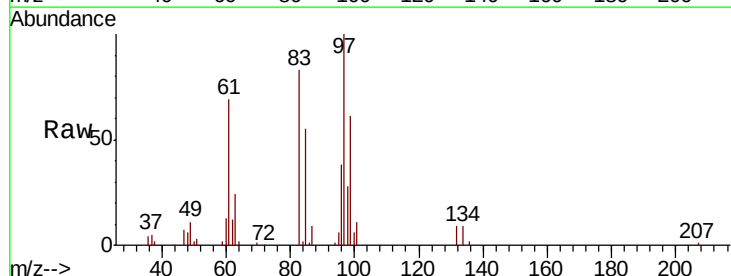
Tot Ion: 75 Resp: 405232
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3
 39 62.7 39.4 59.2#

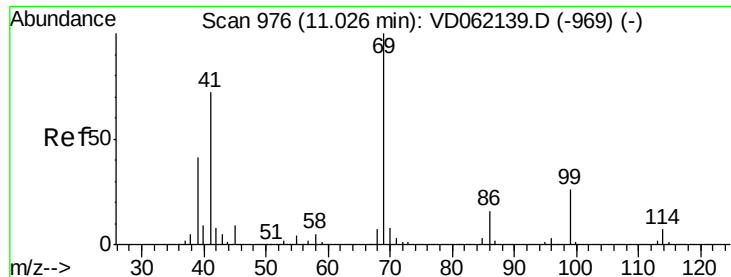


#55

1,1,2-Trichloroethane
 Concen: 52.658 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.04 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion: 97 Resp: 198289
 Ion Ratio Lower Upper
 97 100
 83 82.7 65.7 98.5
 85 54.9 45.6 68.4
 99 61.3 48.4 72.6





#56

Ethyl methacrylate

Concen: 17.255 ug/l

RT: 11.06 min Scan# 979

Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

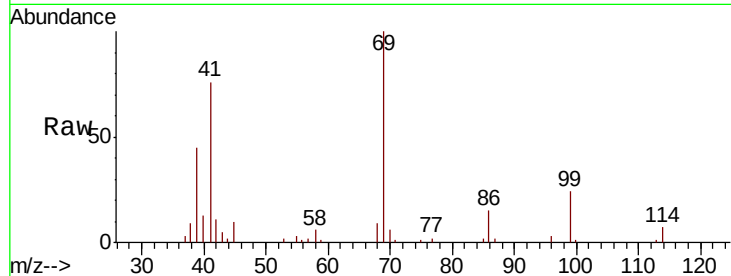
Tot Ion: 69 Resp: 67517

Ion Ratio Lower Upper

69 100

41 76.2 56.3 84.5

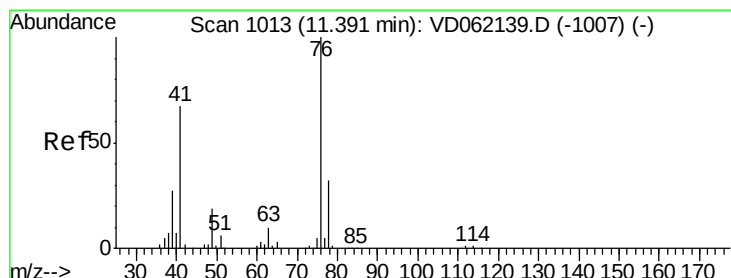
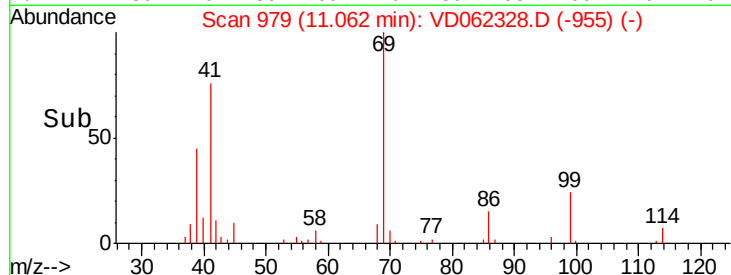
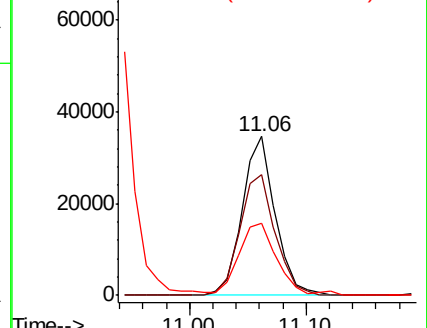
39 45.2 29.4 44.2#



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: 50.615 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.04 min

Lab File: VD062328.D

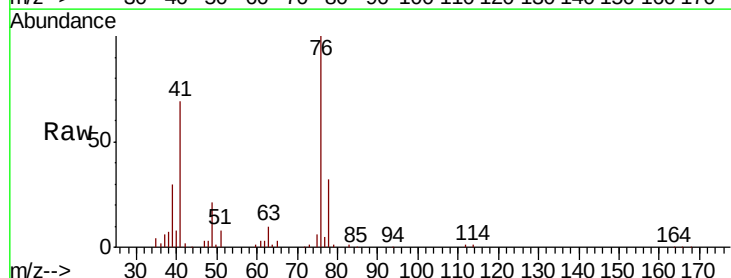
Acq: 14 May 2019 3:26

Tgt Ion: 76 Resp: 287945

Ion Ratio Lower Upper

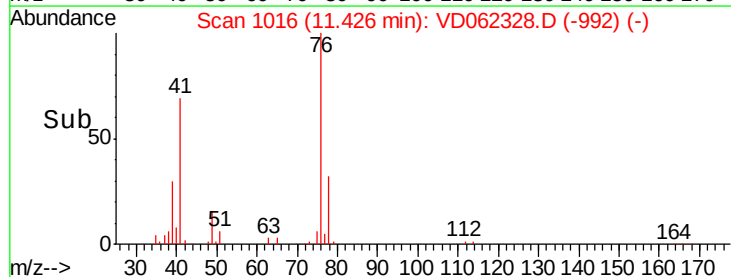
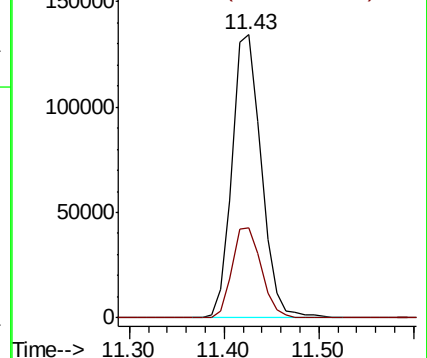
76 100

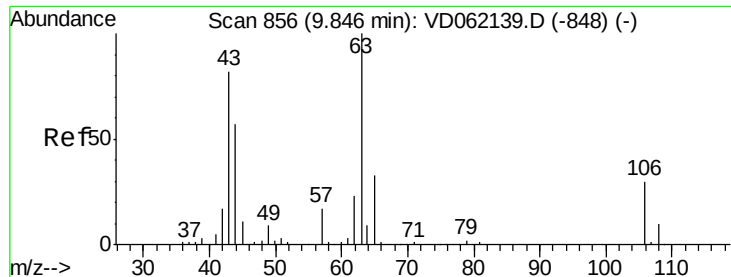
78 32.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC





#58

2-Chloroethyl Vinyl ether

Concen: 169.753 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

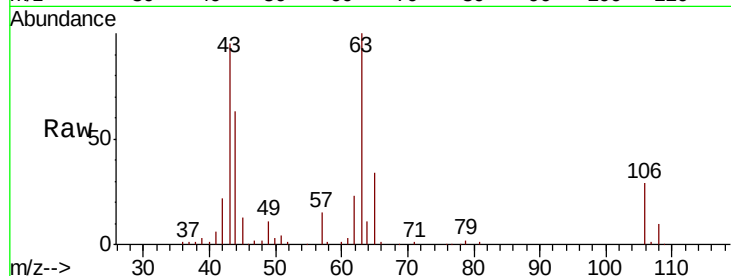
P026-SS015-1824-01MSD

Tot Ion: 63 Resp: 362833

Ion Ratio Lower Upper

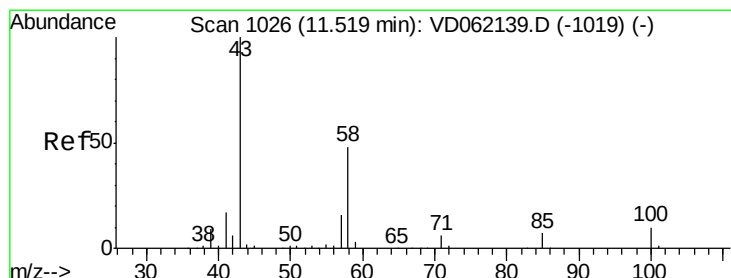
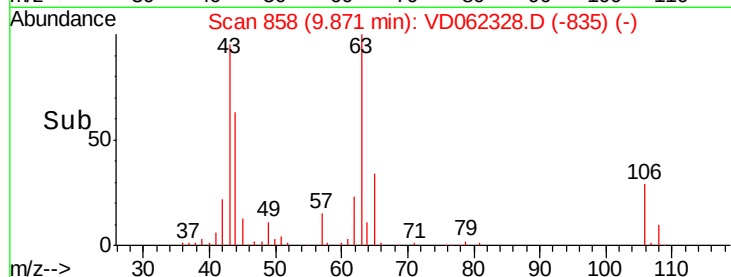
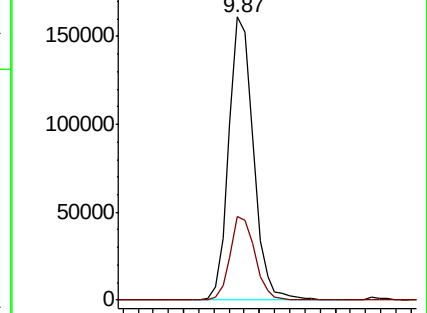
63 100

106 29.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



#59

2-Hexanone

Concen: 173.764 ug/l

RT: 11.54 min Scan# 1028

Delta R.T. 0.03 min

Lab File: VD062328.D

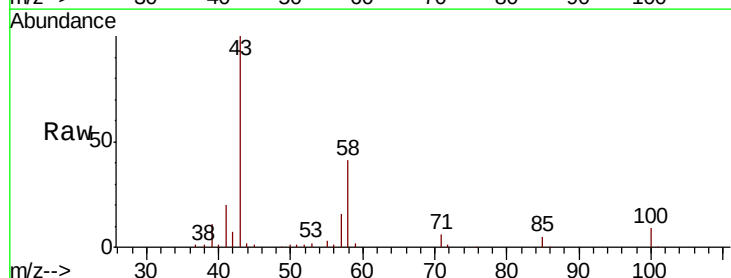
Acq: 14 May 2019 3:26

Tgt Ion: 43 Resp: 358666

Ion Ratio Lower Upper

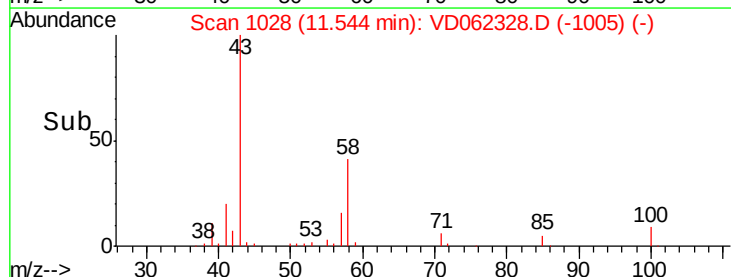
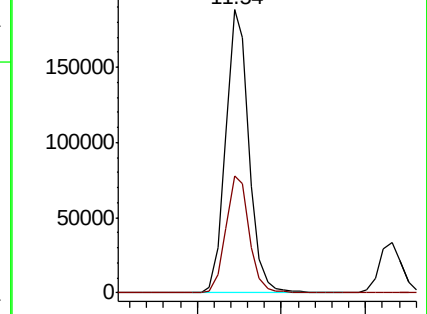
43 100

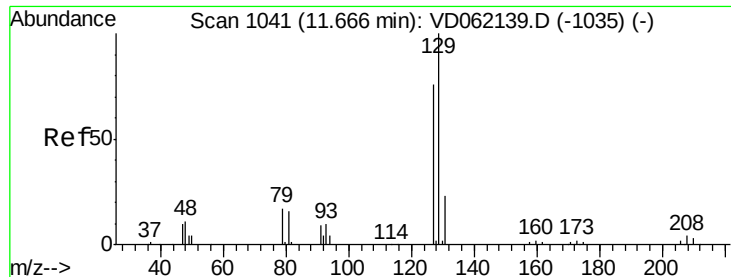
58 41.2 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#60

Dibromochloromethane

Concen: 57.614 ug/l

RT: 11.70 min Scan# 1044

Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

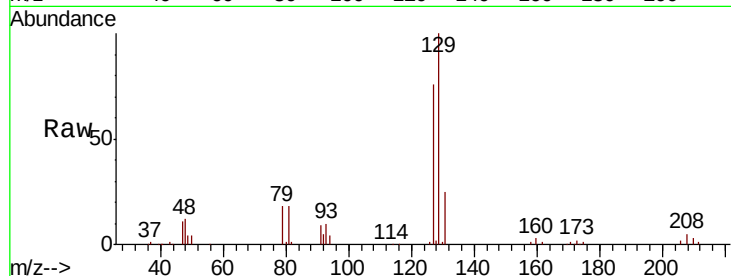
P026-SS015-1824-01MSD

Tot Ion:129 Resp: 374937

Ion Ratio Lower Upper

129 100

127 76.2 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

200000

150000

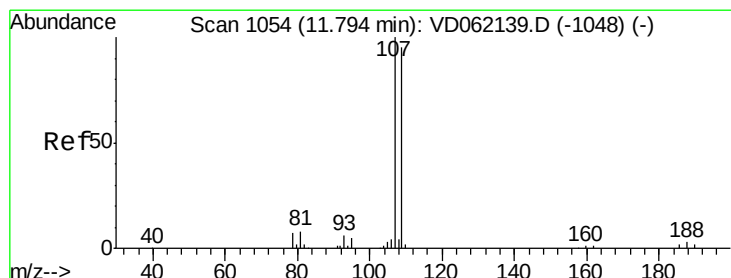
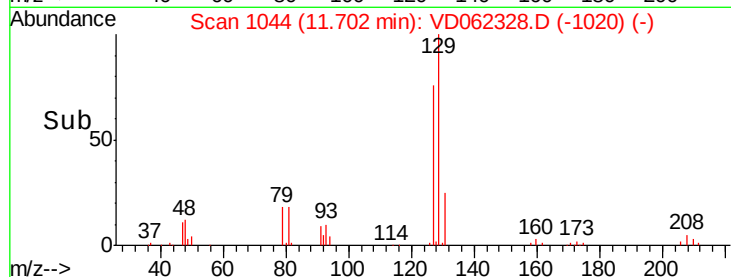
100000

50000

0

11.60 11.70 11.80 11.90

Time-->



#61

1,2-Dibromoethane

Concen: 49.833 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.03 min

Lab File: VD062328.D

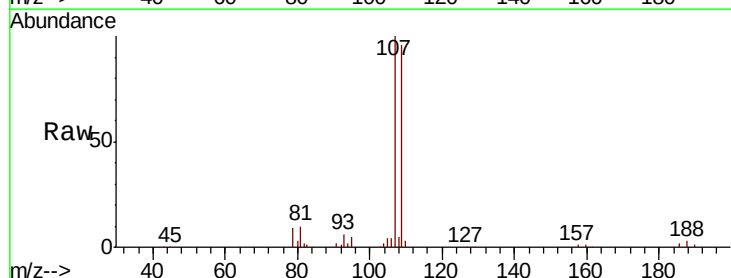
Acq: 14 May 2019 3:26

Tgt Ion:107 Resp: 228140

Ion Ratio Lower Upper

107 100

109 96.5 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

150000

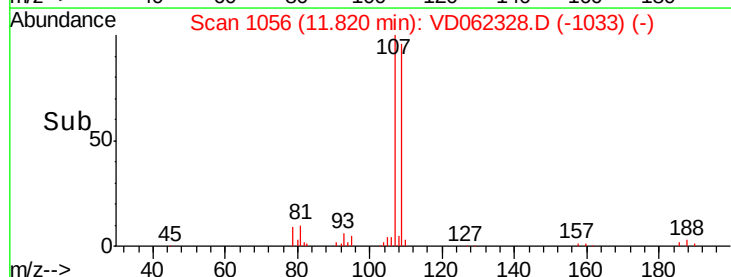
100000

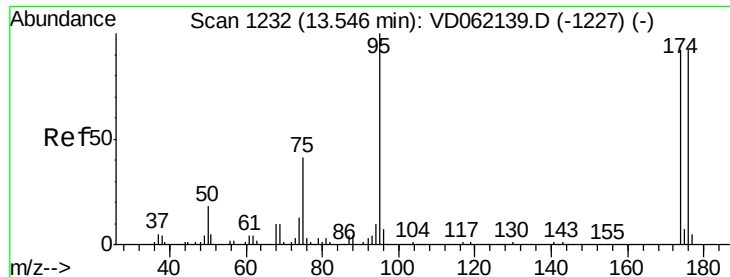
50000

0

11.70 11.80 11.90

Time-->





#62

4-Bromofluorobenzene

Concen: 42.623 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

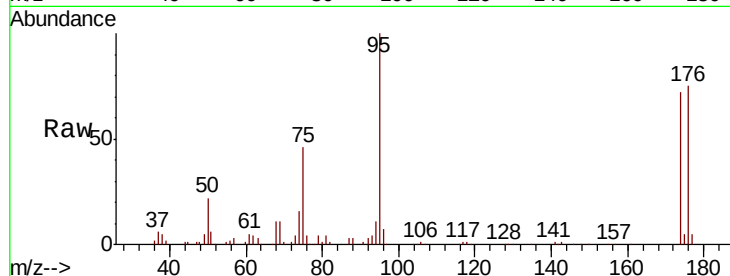
Tot Ion: 95 Resp: 302502

Ion Ratio Lower Upper

95 100

174 71.8 0.0 181.8

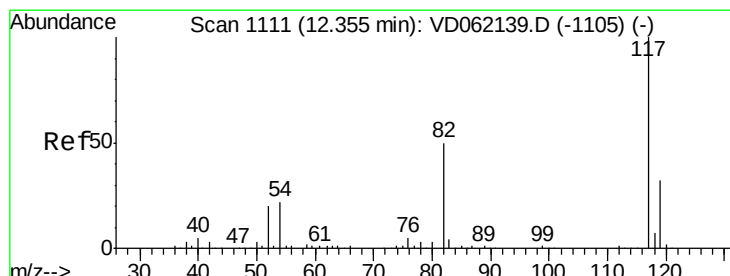
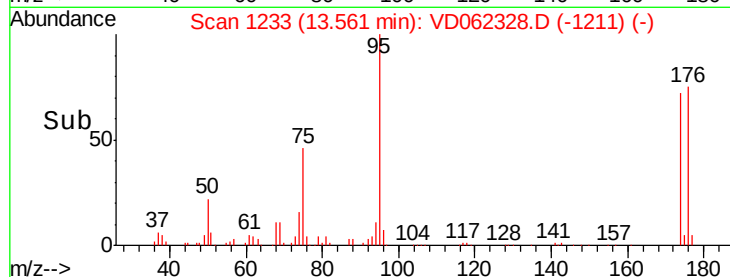
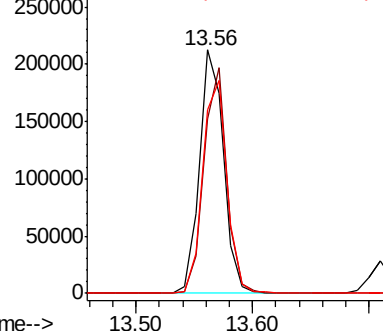
176 75.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

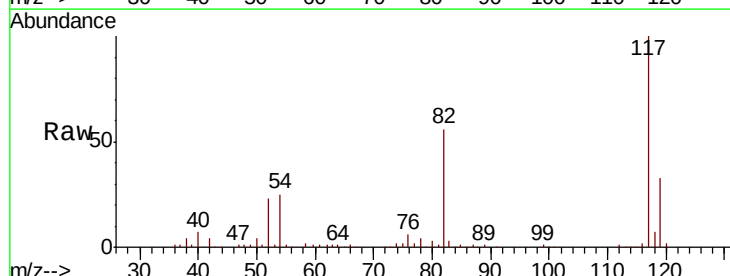
Tgt Ion: 117 Resp: 630871

Ion Ratio Lower Upper

117 100

82 55.6 36.2 54.2#

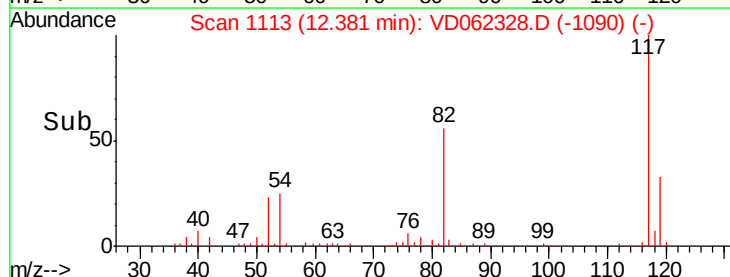
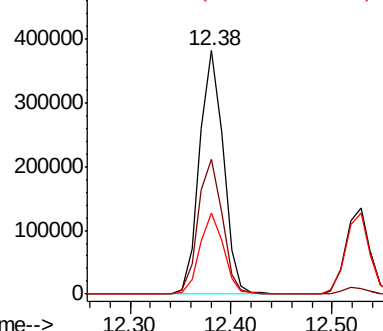
119 33.4 26.2 39.4

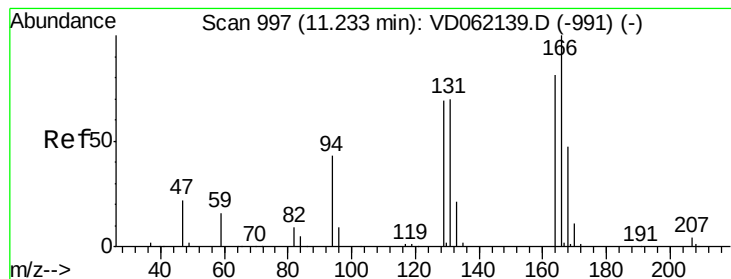


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 65.098 ug/l

RT: 11.28 min Scan# 1001

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:164 Resp: 321137

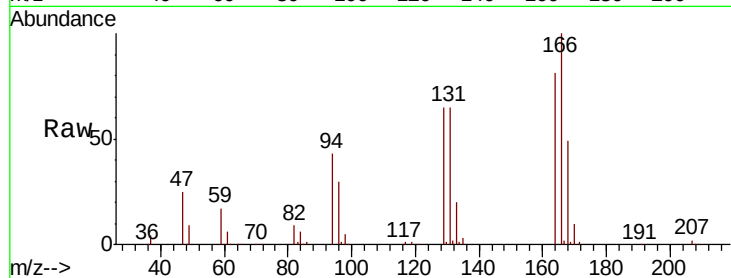
Ion Ratio Lower Upper

164 100

166 122.8 101.5 152.3

129 79.9 74.6 112.0

131 79.6 72.6 108.8



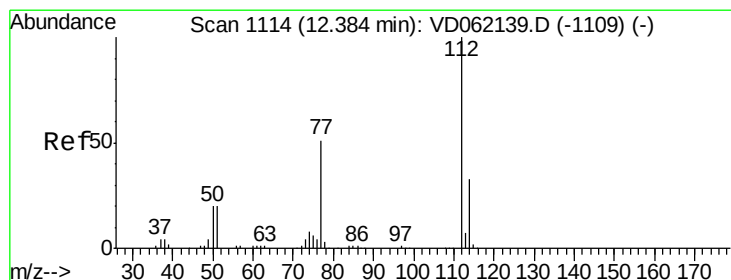
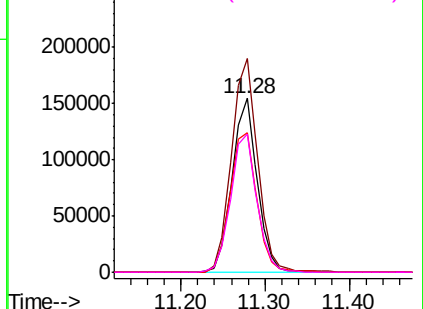
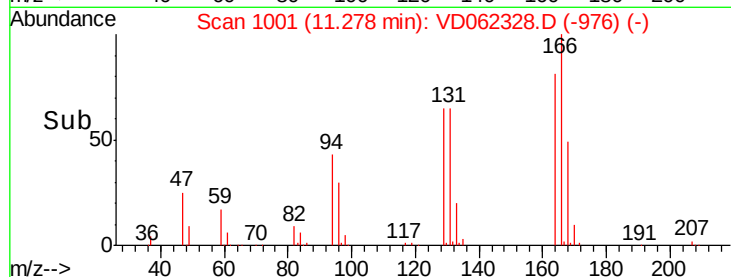
Abundance

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: 57.639 ug/l

RT: 12.41 min Scan# 1116

Delta R.T. 0.03 min

Lab File: VD062328.D

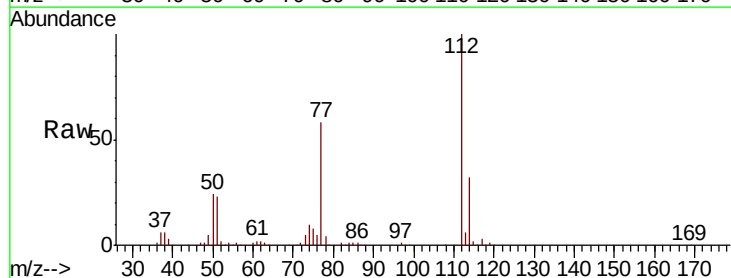
Acq: 14 May 2019 3:26

Tgt Ion:112 Resp: 677268

Ion Ratio Lower Upper

112 100

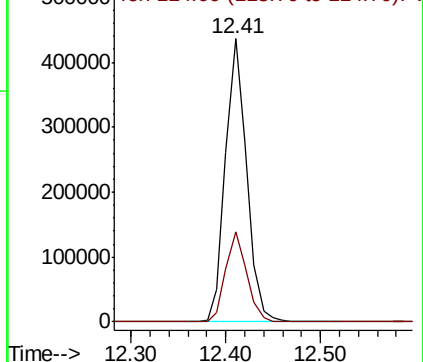
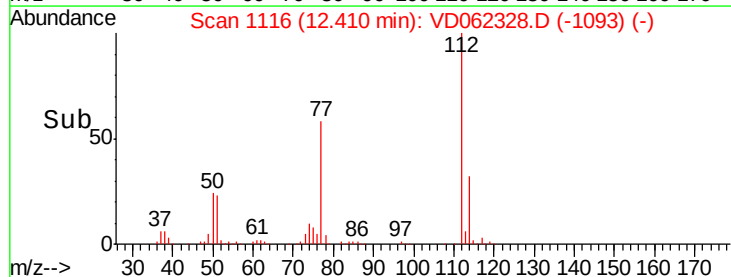
114 31.9 25.8 38.8

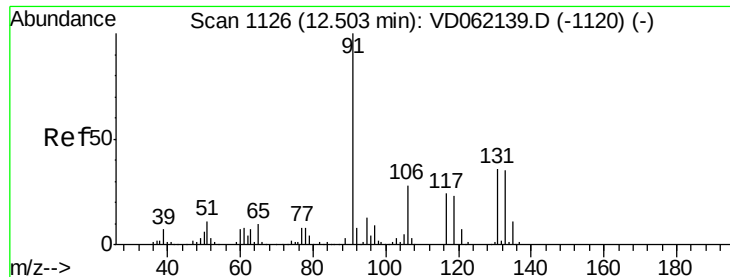


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

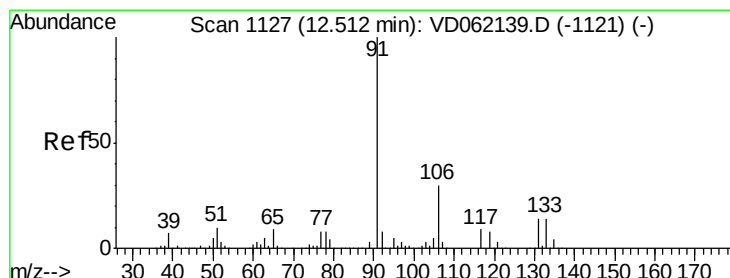
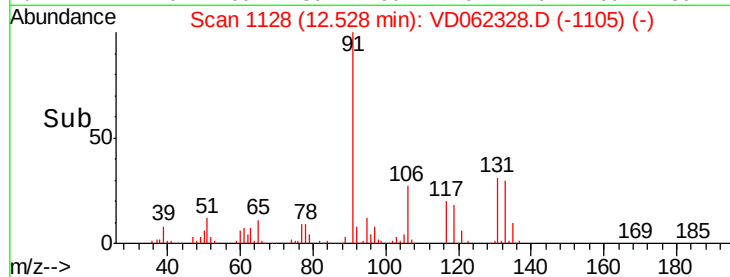
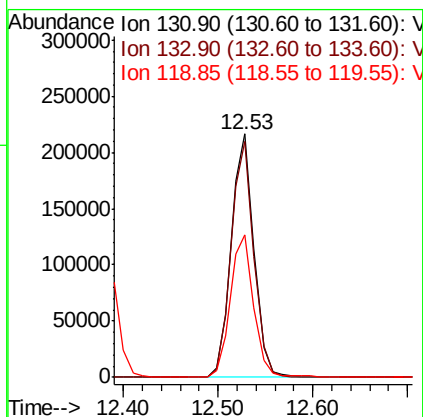
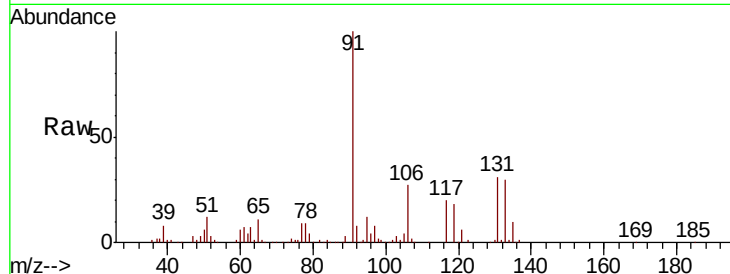




#66
 1,1,1,2-Tetrachloroethane
 Concen: 70.115 ug/l
 RT: 12.53 min Scan# 1128
 Delta R.T. 0.03 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

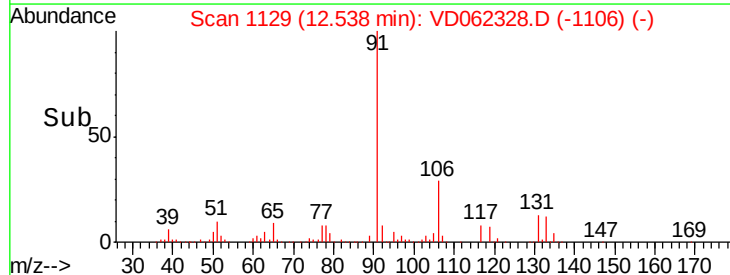
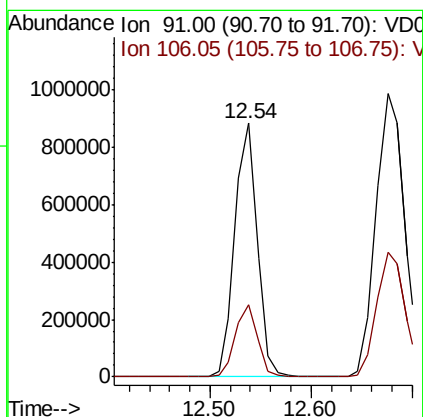
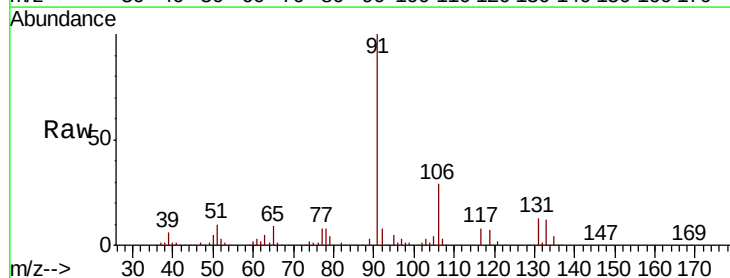
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

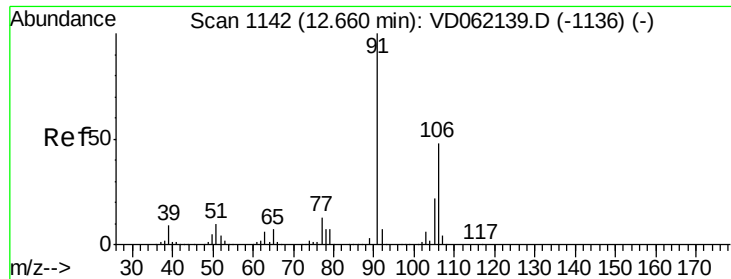
Tot Ion	Ratio	Lower	Upper
131	100		
133	97.0	48.6	145.8
119	58.7	34.7	104.1



#67
 Ethyl Benzene
 Concen: 69.487 ug/l
 RT: 12.54 min Scan# 1129
 Delta R.T. 0.03 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.7	37.1

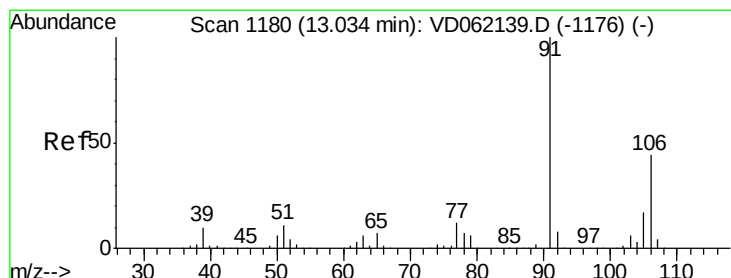
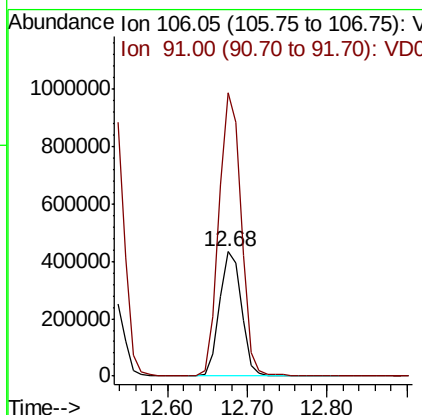
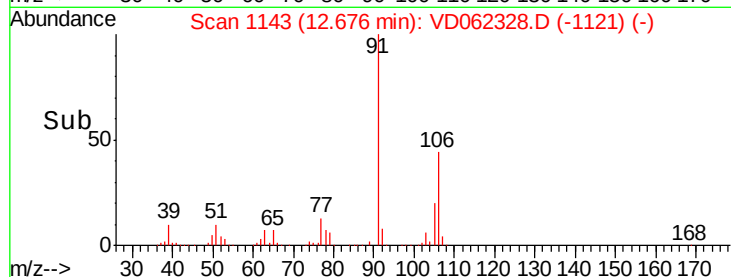
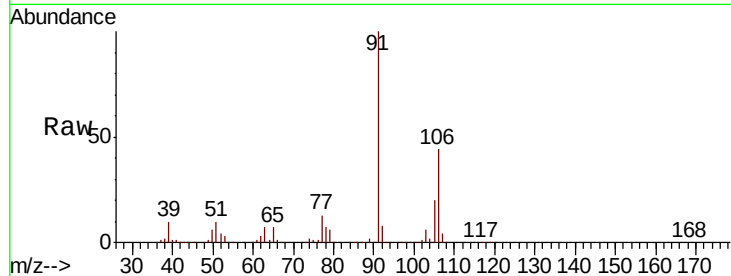




#68
m/p-Xylenes
Concen: 118.691 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

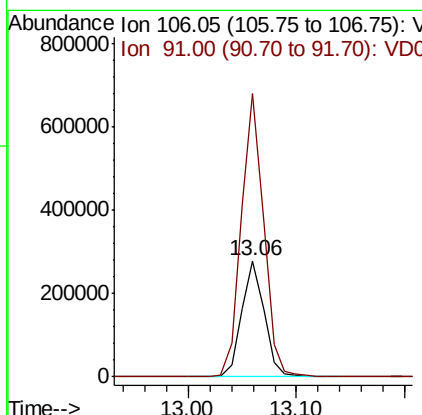
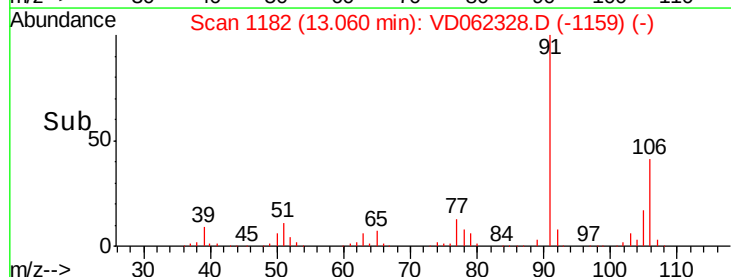
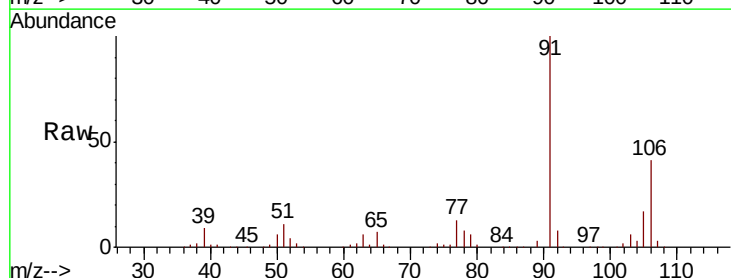
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

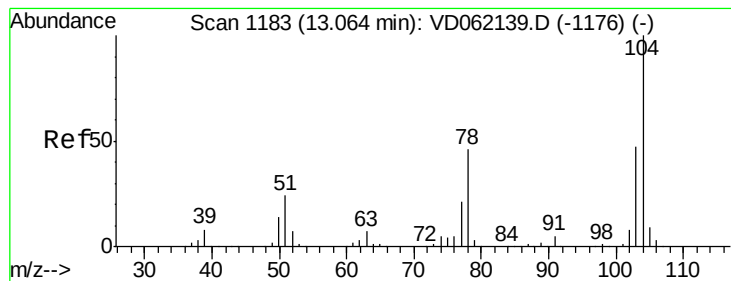
Tot Ion:106 Resp: 849464
Ion Ratio Lower Upper
106 100
91 227.4 164.0 246.0



#69
o-Xylene
Concen: 60.344 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion:106 Resp: 401516
Ion Ratio Lower Upper
106 100
91 243.3 106.7 319.9





#70

Stvrene

Concen: 41.046 ug/l

RT: 13.08 min Scan# 1184

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

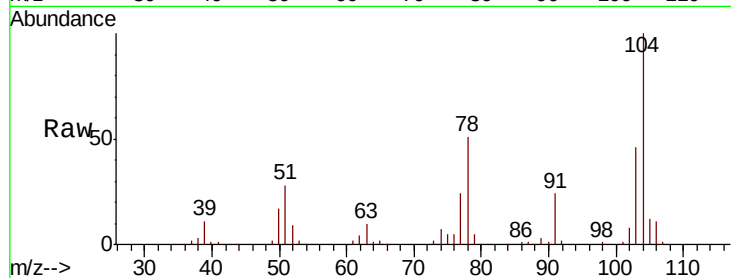
Tot Ion:104 Resp: 462652

Ion Ratio Lower Upper

104 100

78 51.2 35.4 53.2

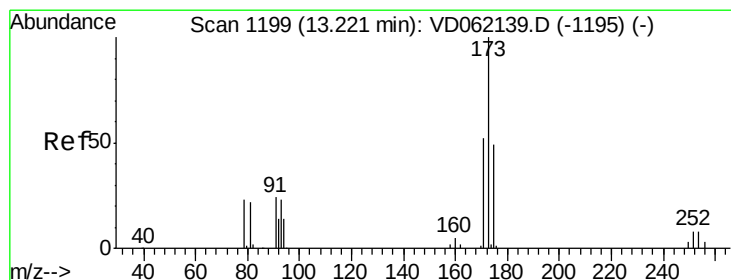
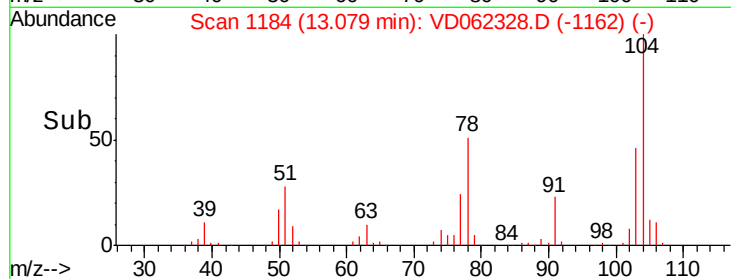
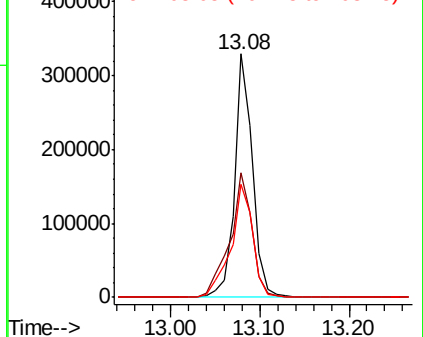
103 46.2 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#71

Bromoform

Concen: 56.127 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

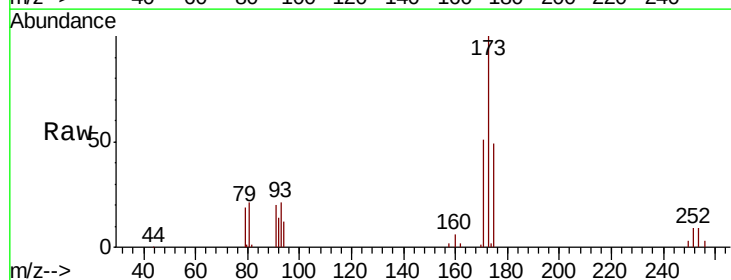
Tgt Ion:173 Resp: 199692

Ion Ratio Lower Upper

173 100

175 48.6 24.4 73.4

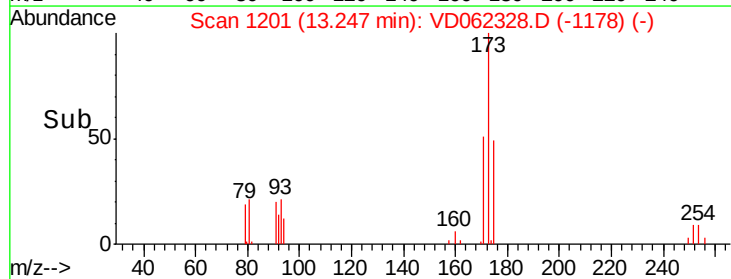
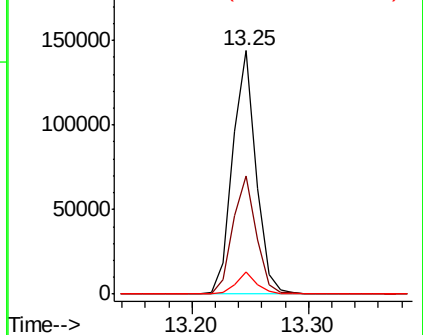
254 9.4 5.4 8.2#

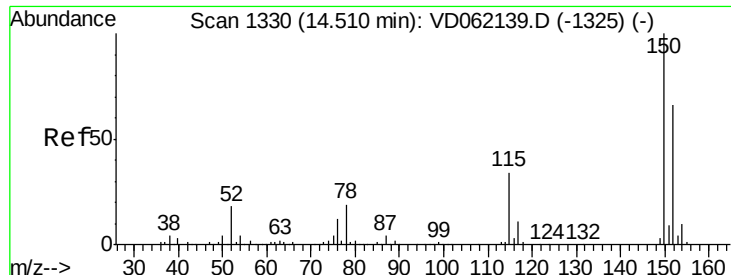


Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V

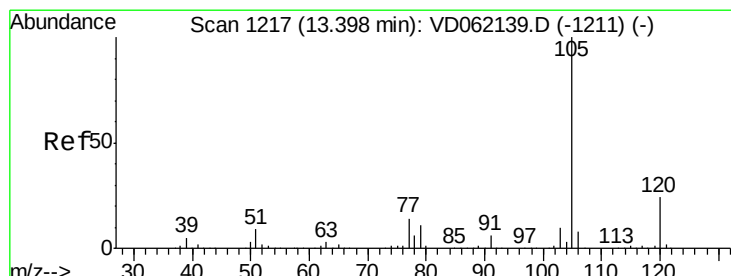
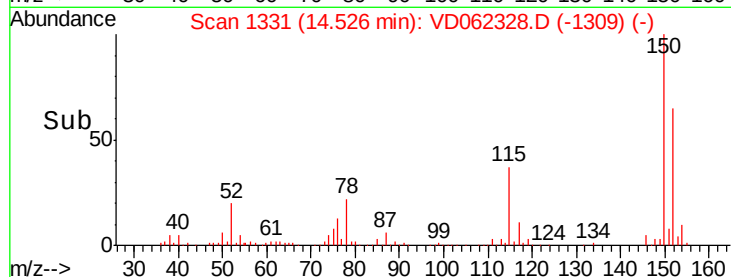
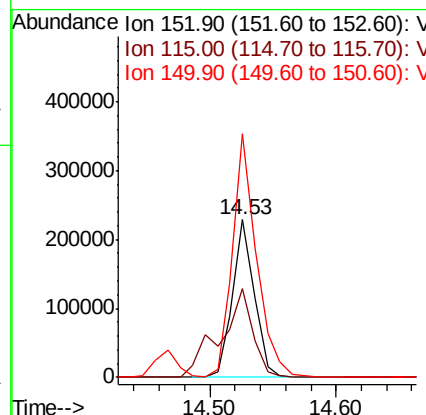
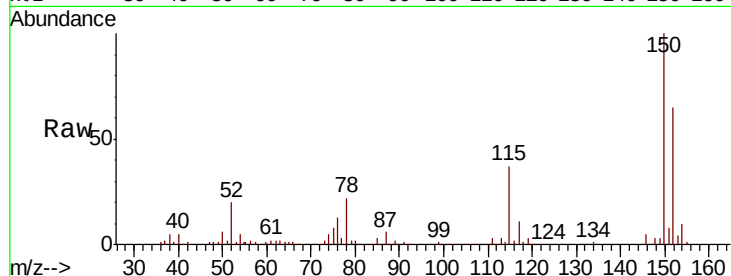




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

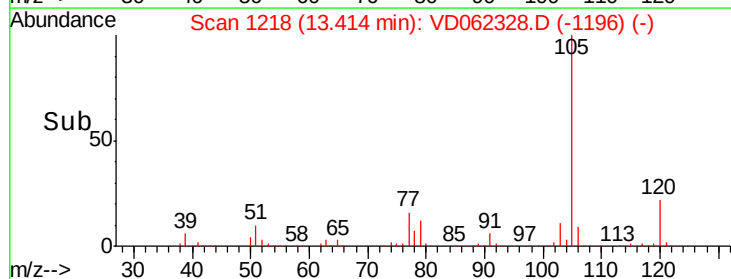
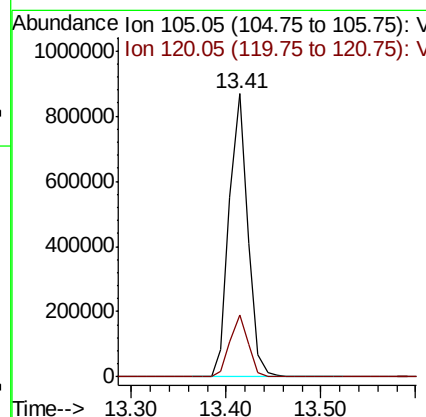
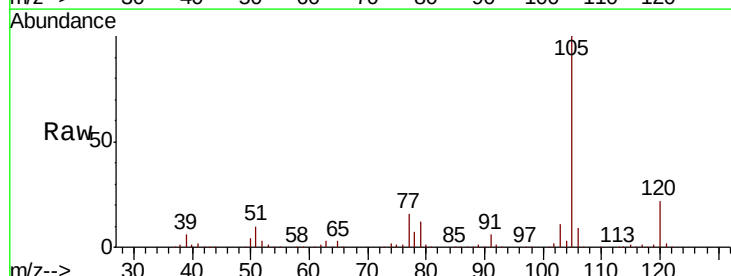
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

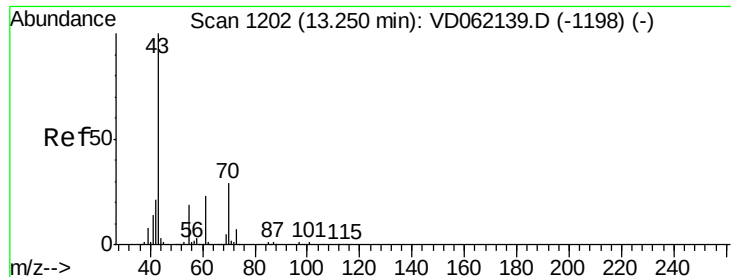
Tot Ion:152 Resp: 270774
 Ion Ratio Lower Upper
 152 100
 115 56.5 30.9 92.7
 150 154.6 0.0 314.8



#73
 Isopropylbenzene
 Concen: 72.998 ug/l
 RT: 13.41 min Scan# 1218
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion:105 Resp: 1184835
 Ion Ratio Lower Upper
 105 100
 120 21.9 12.0 36.1

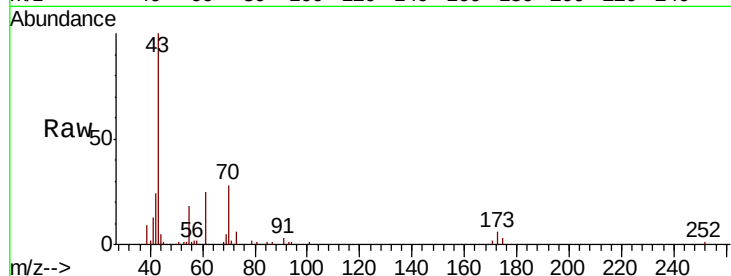




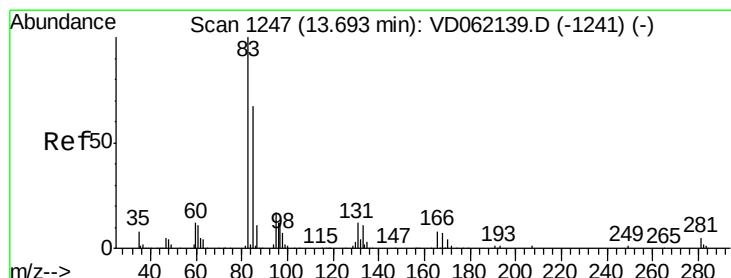
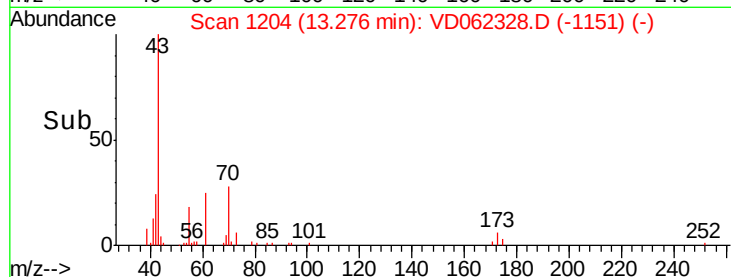
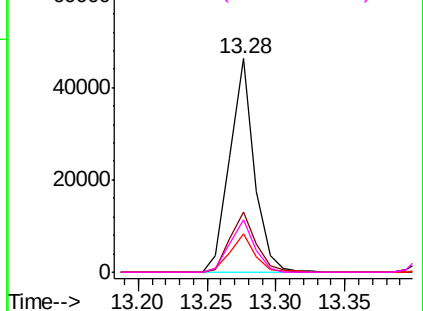
#74
N-amvl acetate
Concen: 13.547 ug/l
RT: 13.28 min Scan# 1204
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion: 43 Resp: 57647
Ion Ratio Lower Upper
43 100
70 28.1 24.2 36.4
55 17.9 16.0 24.0
61 24.8 21.6 32.4

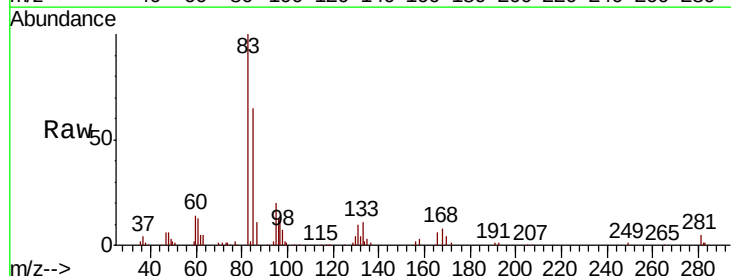


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC

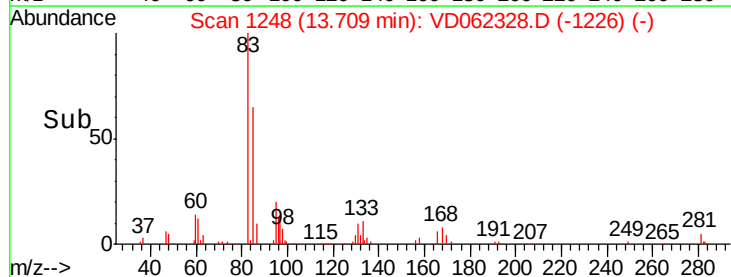
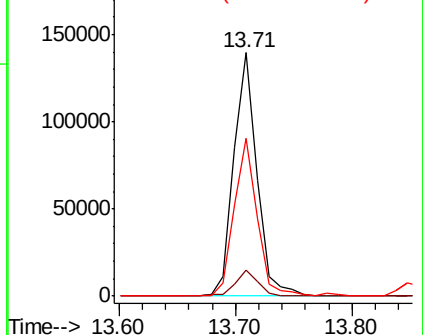


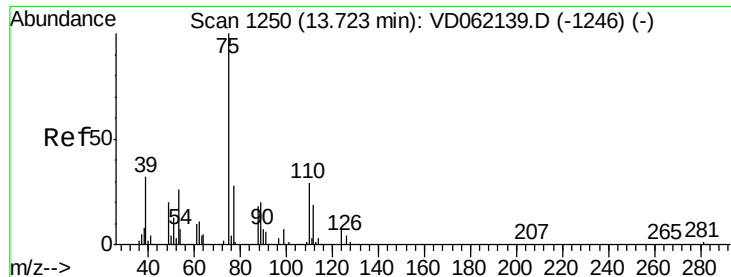
#75
1,1,2,2-Tetrachloroethane
Concen: 62.605 ug/l
RT: 13.71 min Scan# 1248
Delta R.T. 0.02 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 83 Resp: 192368
Ion Ratio Lower Upper
83 100
131 10.5 5.0 14.9
85 65.0 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): V
Ion 84.95 (84.65 to 85.65): VDC





#76

1,2,3-Trichloropropane

Concen: 59.494 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

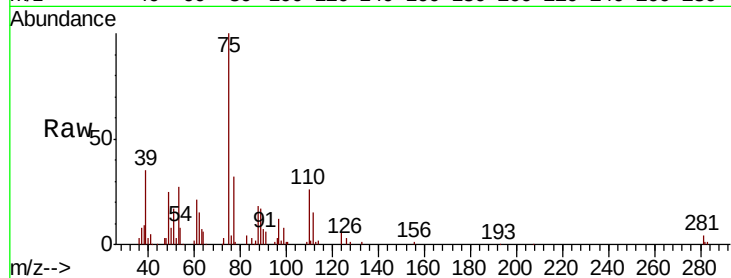
P026-SS015-1824-01MSD

Tot Ion: 75 Resp: 191447

Ion Ratio Lower Upper

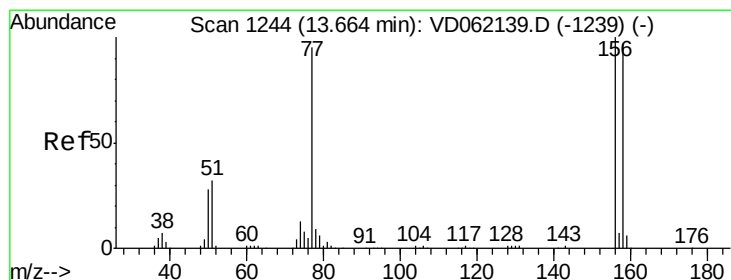
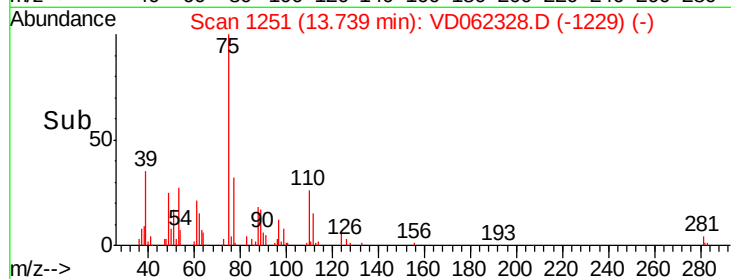
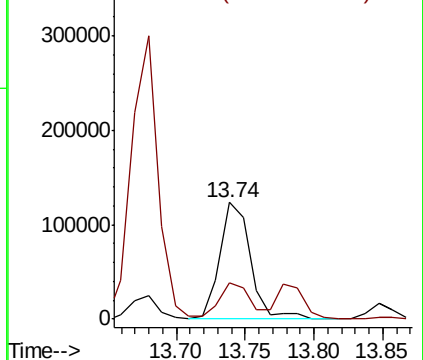
75 100

77 31.5 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: 71.118 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

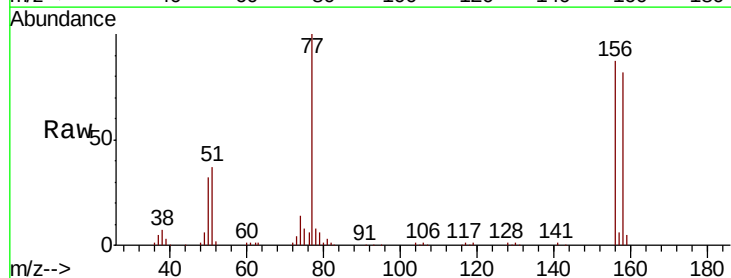
Tgt Ion: 156 Resp: 323136

Ion Ratio Lower Upper

156 100

77 114.9 53.1 159.4

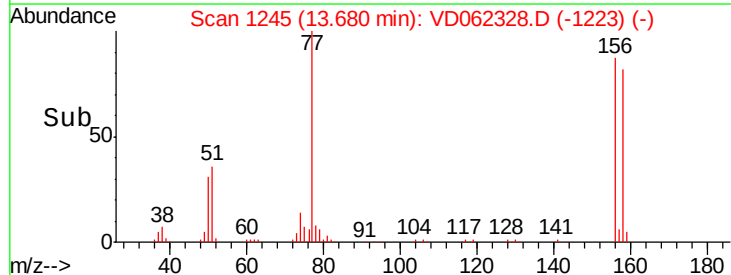
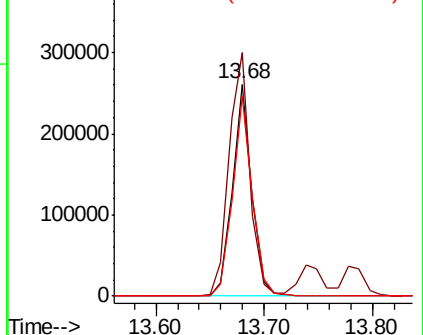
158 94.4 49.4 148.0

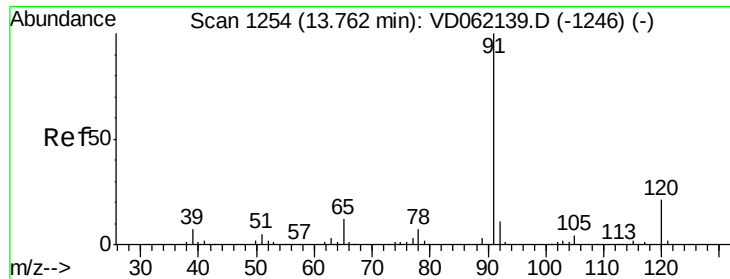


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#78

n-propylbenzene

Concen: 64.646 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

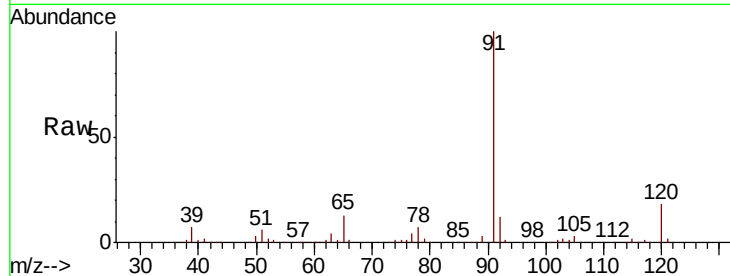
P026-SS015-1824-01MSD

Tot Ion: 91 Resp: 1251657

Ion Ratio Lower Upper

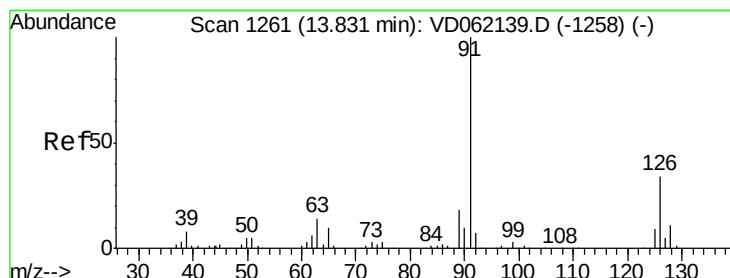
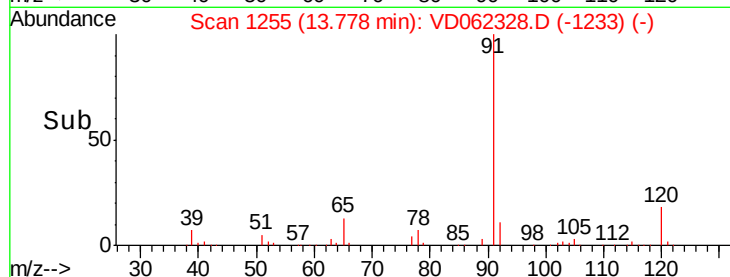
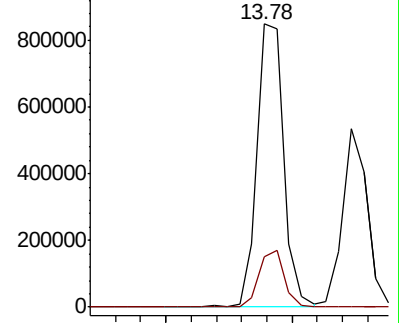
91 100

120 17.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 64.490 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD062328.D

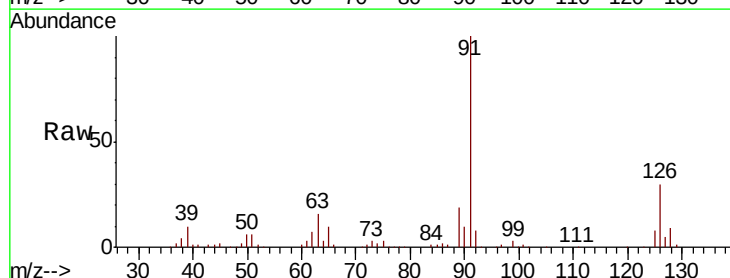
Acq: 14 May 2019 3:26

Tgt Ion: 91 Resp: 715118

Ion Ratio Lower Upper

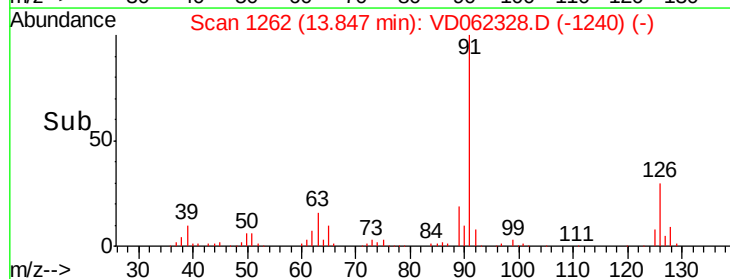
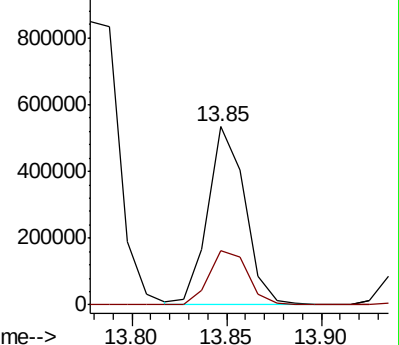
91 100

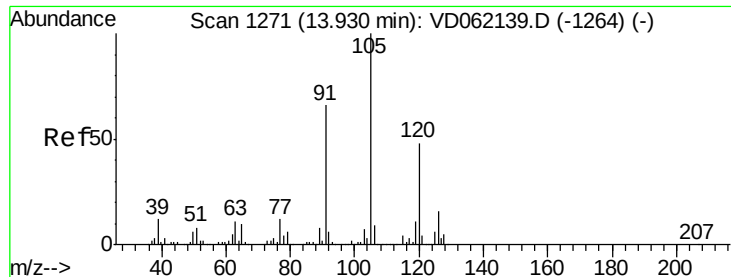
126 30.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#80

1,3,5-Trimethylbenzene

Concen: 70.461 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

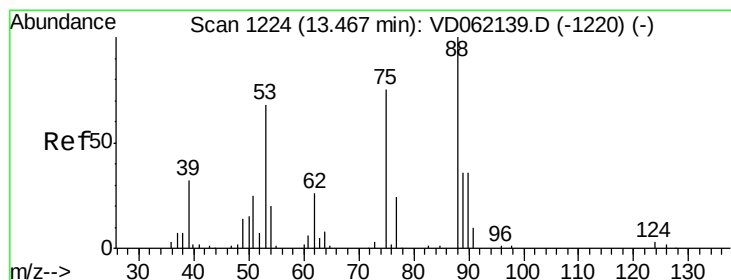
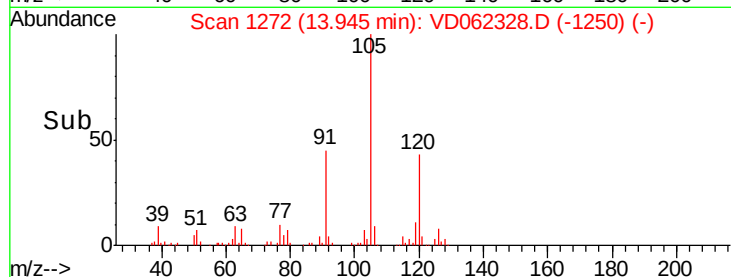
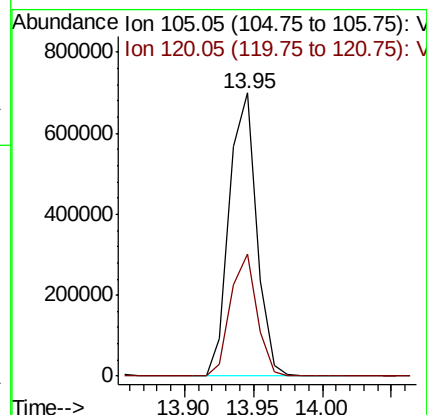
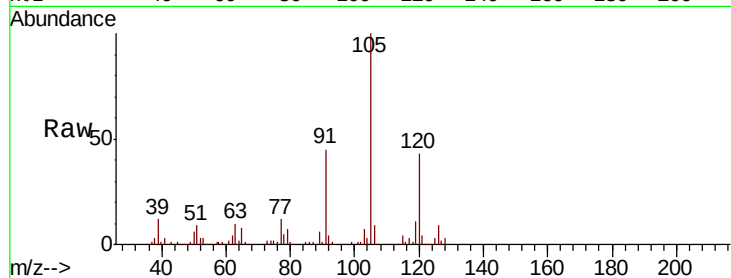
P026-SS015-1824-01MSD

Tot Ion:105 Resp: 963050

Ion Ratio Lower Upper

105 100

120 43.3 24.0 72.0



#81

trans-1,4-Dichloro-2-butene

Concen: 48.375 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

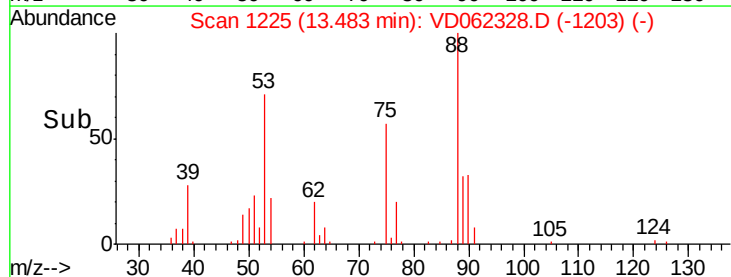
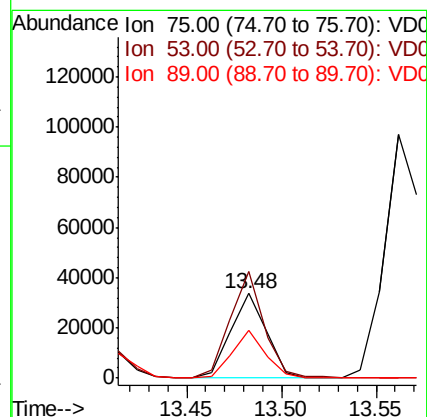
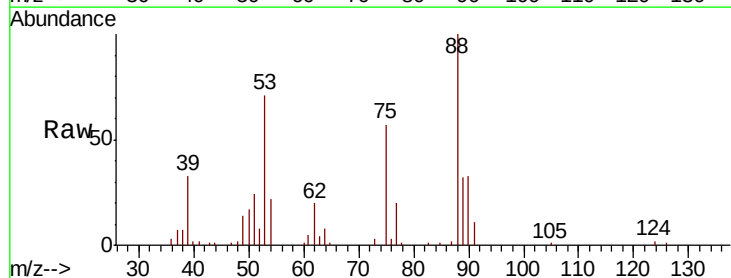
Tgt Ion: 75 Resp: 43946

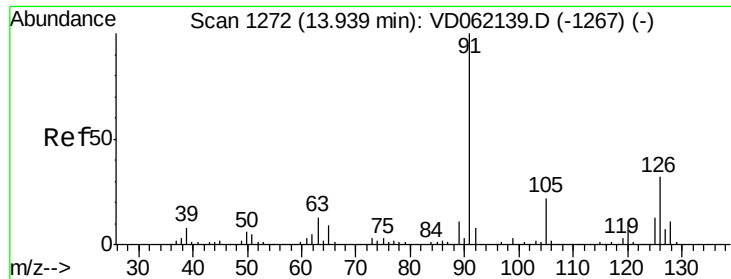
Ion Ratio Lower Upper

75 100

53 125.1 65.8 98.8#

89 56.6 35.0 52.6#

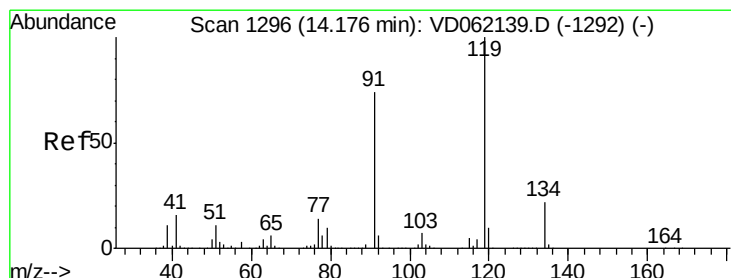
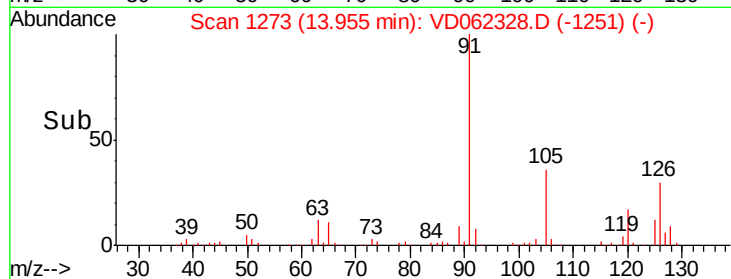
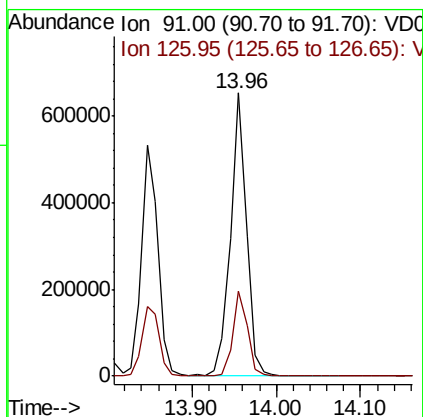
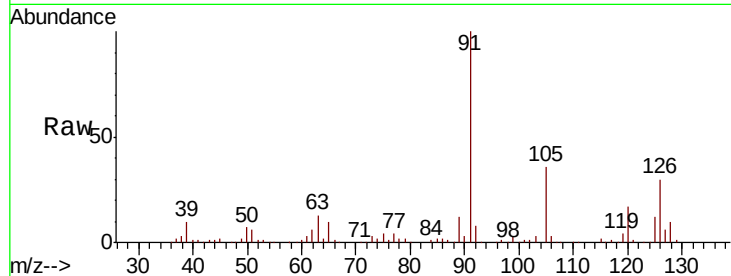




#82
4-Chlorotoluene
Concen: 65.980 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.02 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

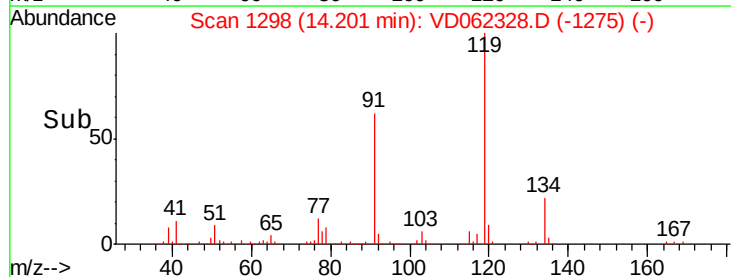
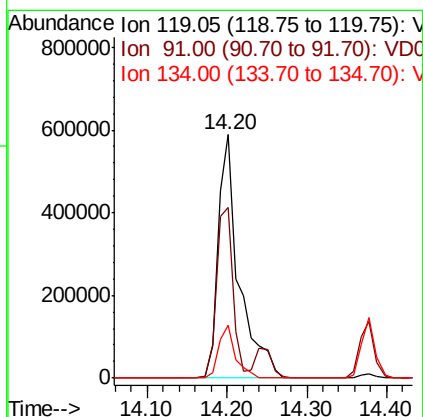
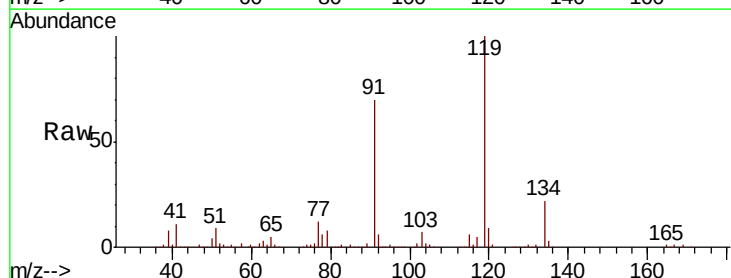
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

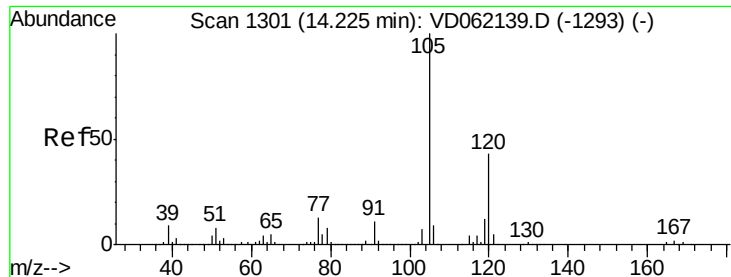
Tot Ion: 91 Resp: 860968
Ion Ratio Lower Upper
91 100
126 30.0 19.1 57.5



#83
tert-Butylbenzene
Concen: 70.246 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 119 Resp: 1079164
Ion Ratio Lower Upper
119 100
91 70.1 34.2 102.6
134 21.8 12.0 36.0

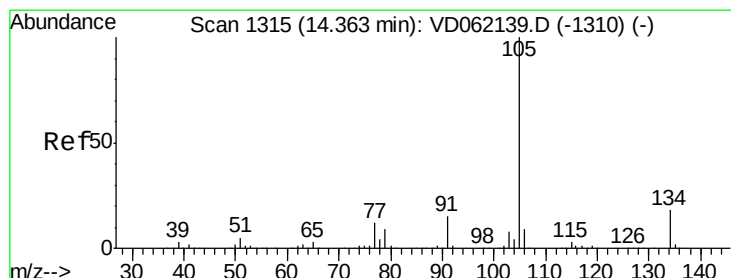
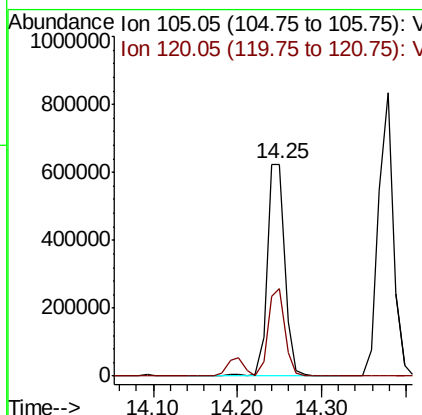
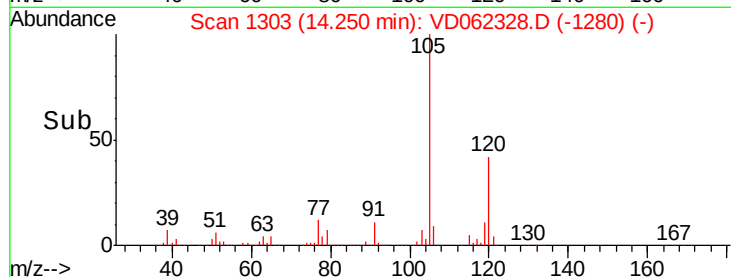
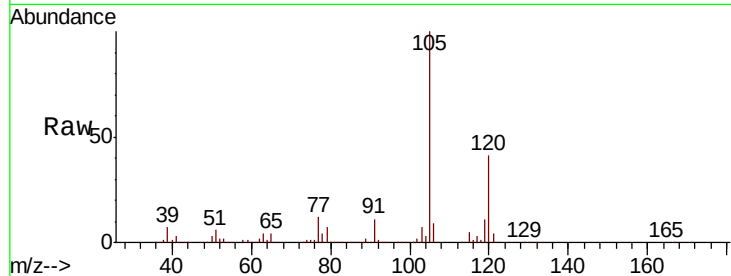




#84
 1,2,4-Trimethylbenzene
 Concen: 67.277 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.03 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

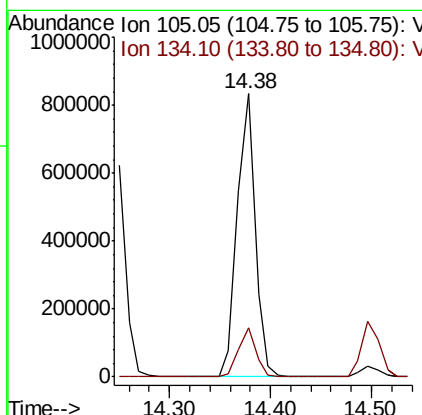
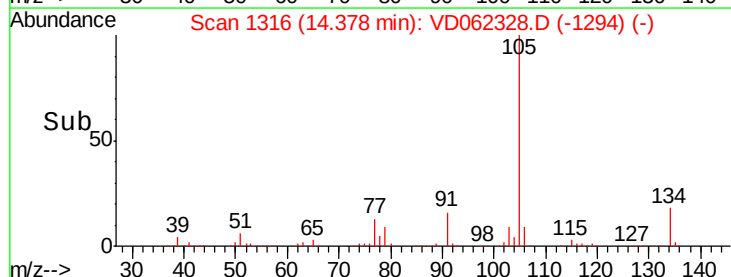
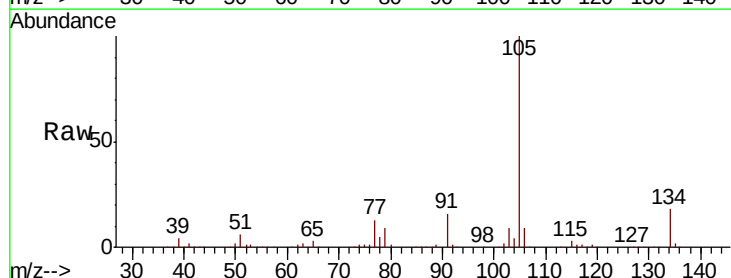
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

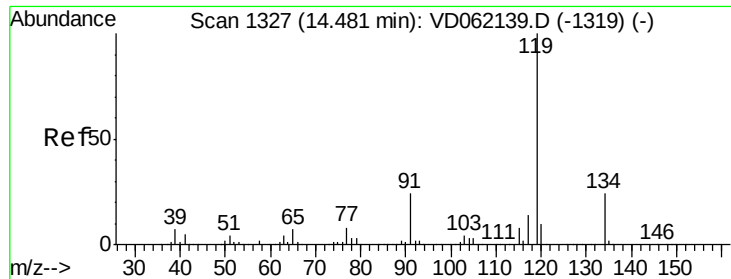
Tot Ion:105 Resp: 922748
 Ion Ratio Lower Upper
 105 100
 120 41.5 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 61.085 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion:105 Resp: 1028889
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.9 26.7

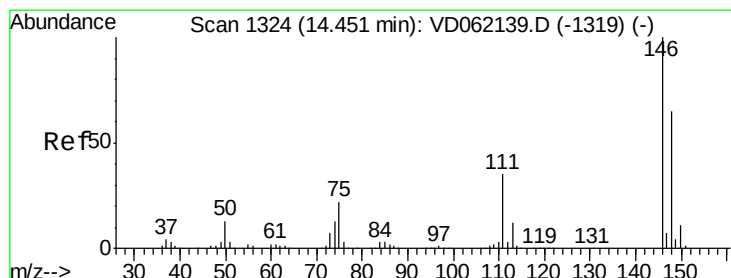
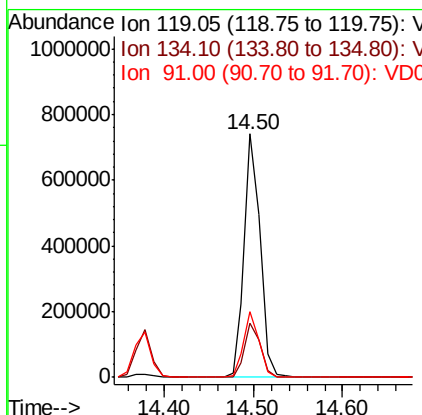
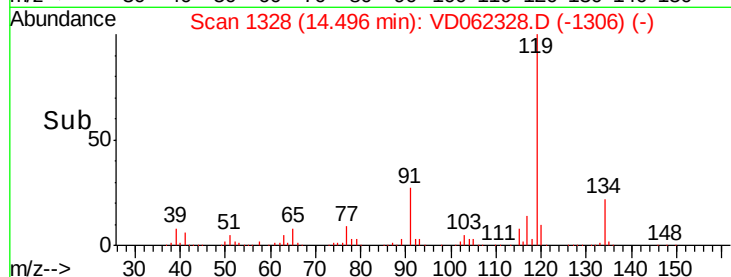
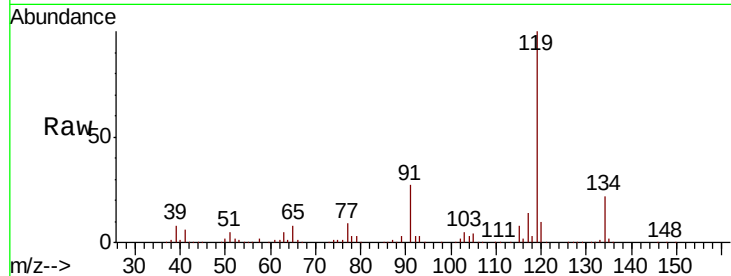




#86
 p-Isopropyltoluene
 Concen: 61.601 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

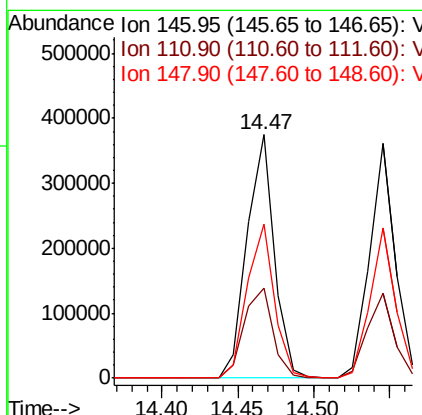
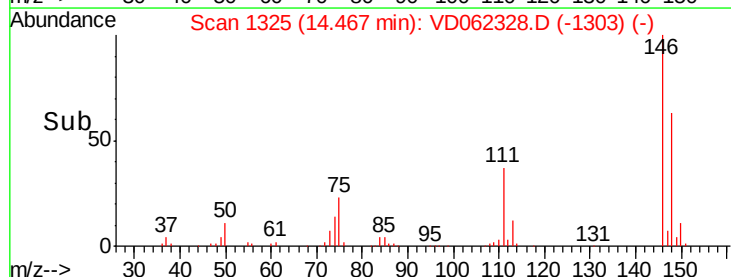
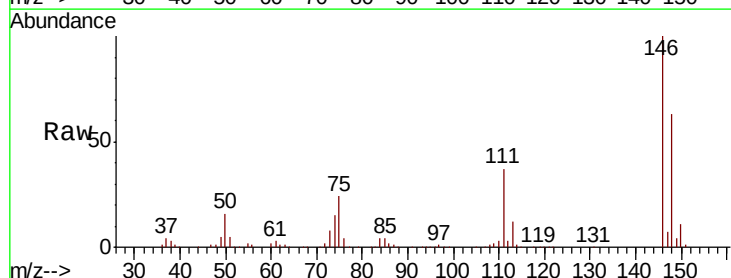
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

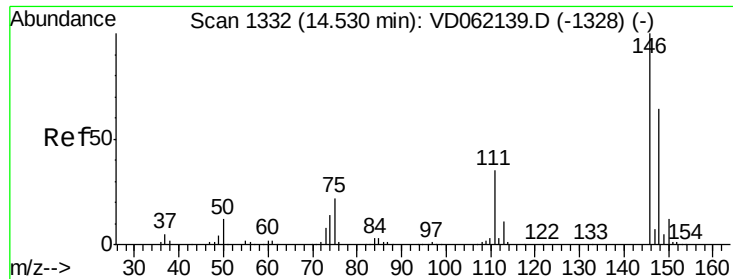
Tot Ion	Ratio	Lower	Upper
119	100		
134	22.2	12.8	38.3
91	26.7	10.7	32.1



#87
 1,3-Dichlorobenzene
 Concen: 56.855 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.0	60.0
148	63.3	31.8	95.4

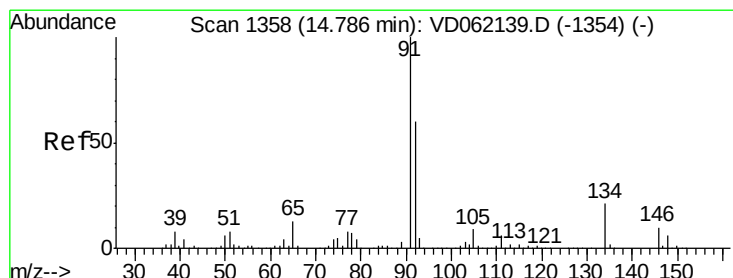
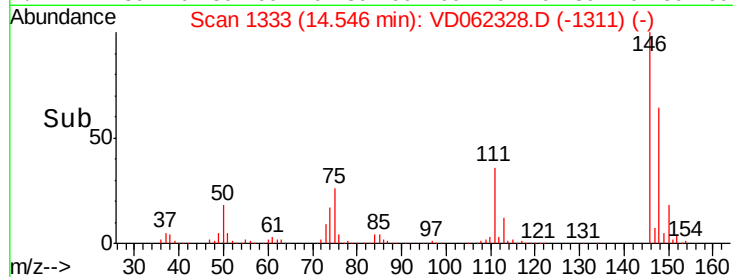
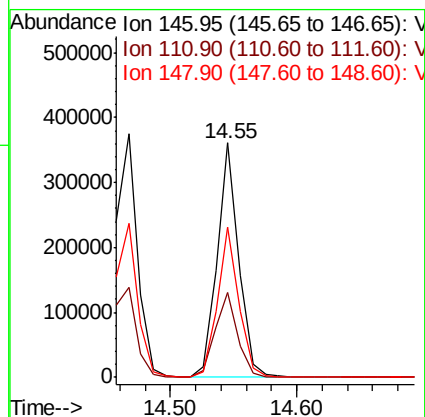
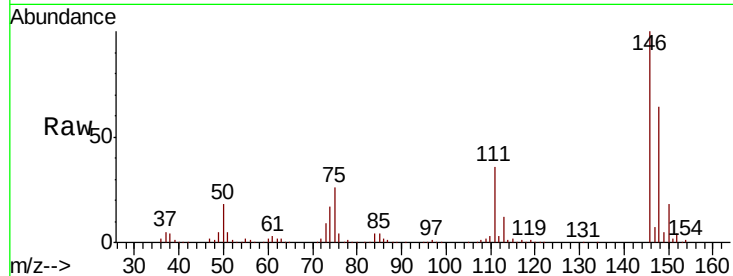




#88
 1,4-Dichlorobenzene
 Concen: 52.358 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

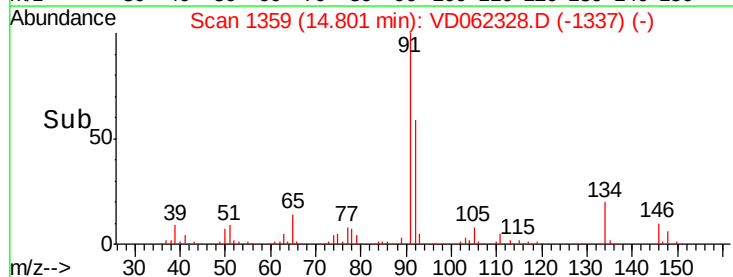
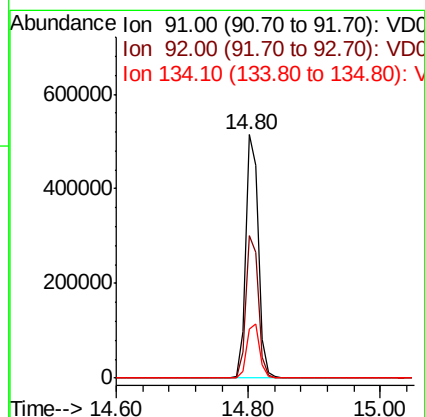
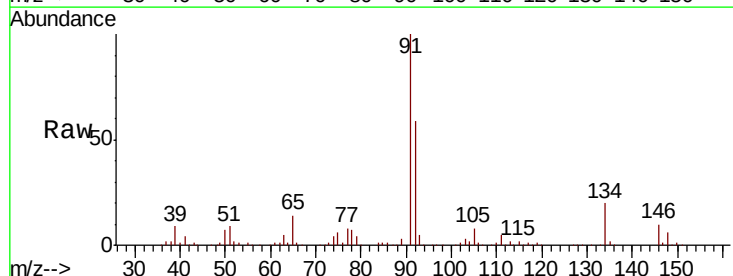
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

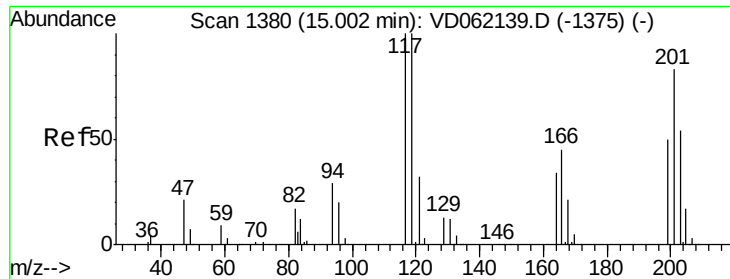
Tot Ion:146 Resp: 427008
 Ion Ratio Lower Upper
 146 100
 111 36.5 20.2 60.5
 148 64.2 32.0 96.2



#89
 n-Butylbenzene
 Concen: 50.979 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion: 91 Resp: 688596
 Ion Ratio Lower Upper
 91 100
 92 58.6 30.3 91.0
 134 20.2 14.5 43.6





#90

Hexachloroethane

Concen: 67.421 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

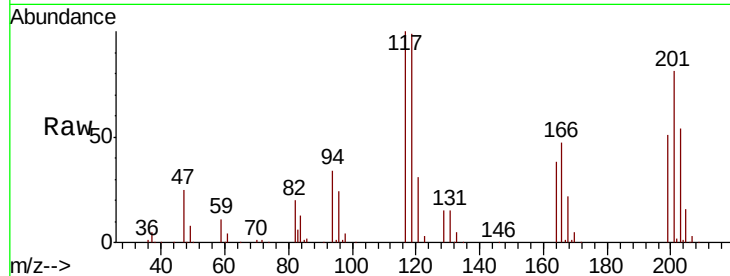
P026-SS015-1824-01MSD

Tot Ion:117 Resp: 275917

Ion Ratio Lower Upper

117 100

201 81.2 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

250000

200000

150000

100000

50000

0

15.02

15.01

15.00

15.00

15.00

15.00

15.00

15.00

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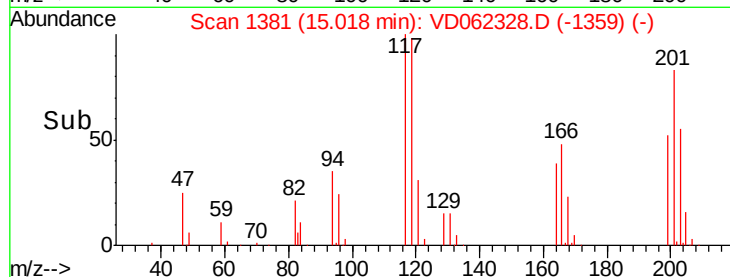
15.00

15.00

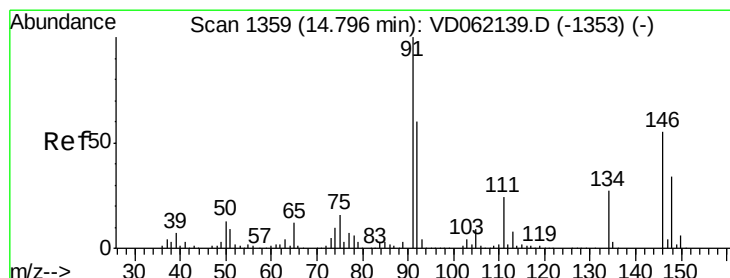
15.00

15.00

15.00



Time-->



#91

1,2-Dichlorobenzene

Concen: 57.360 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

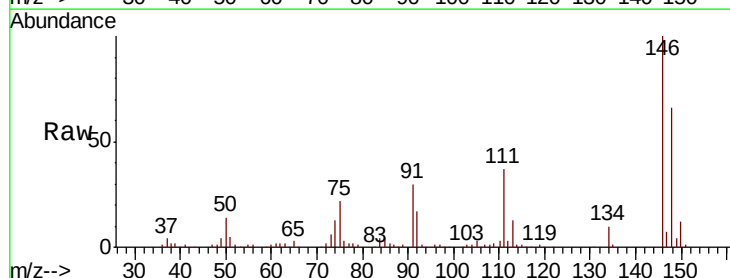
Tgt Ion:146 Resp: 392095

Ion Ratio Lower Upper

146 100

111 36.5 20.0 59.9

148 65.9 32.3 96.8



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

300000

200000

100000

0

14.82

14.81

14.80

14.80

14.80

14.80

14.80

14.80

14.80

14.80

14.80

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14.80

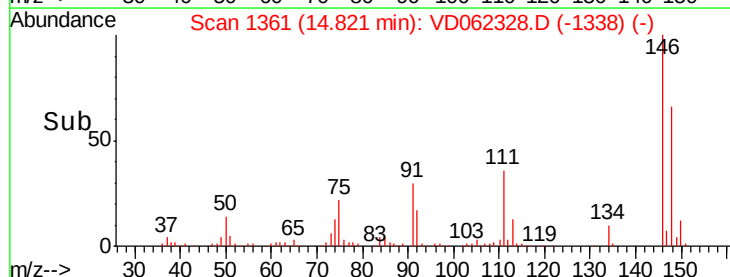
14.80

14.80

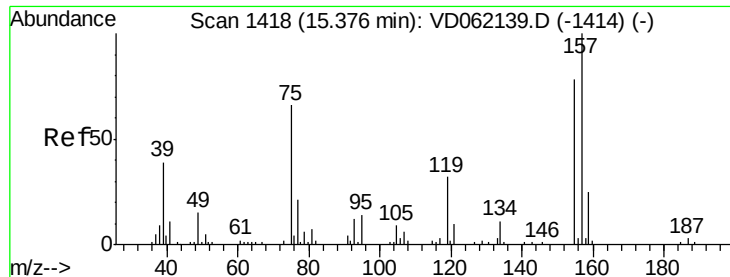
14.80

14.80

14.80



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.009 ug/l

RT: 15.39 min Scan# 1419

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

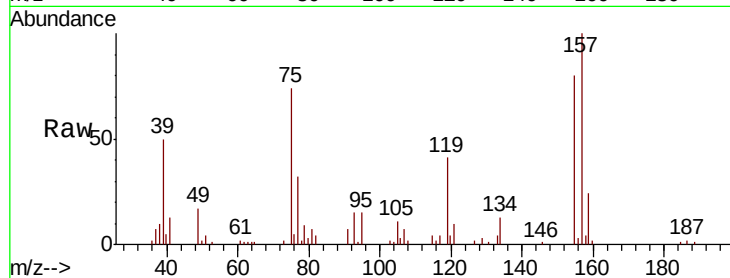
Tot Ion: 75 Resp: 30268

Ion Ratio Lower Upper

75 100

155 108.4 55.3 165.8

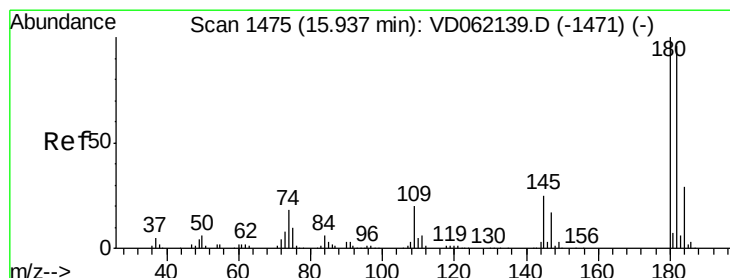
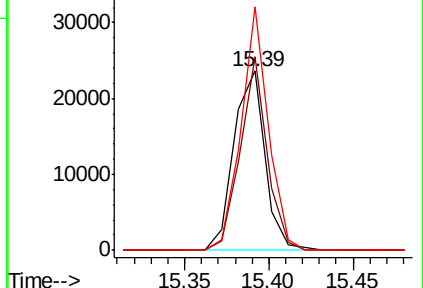
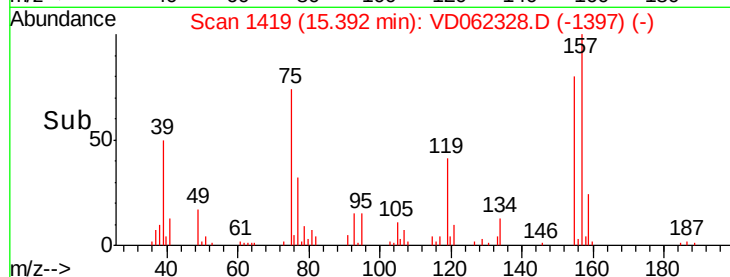
157 136.0 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 44.431 ug/l

RT: 15.95 min Scan# 1476

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

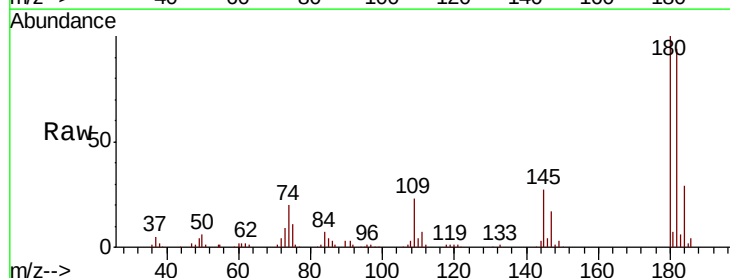
Tgt Ion: 180 Resp: 221063

Ion Ratio Lower Upper

180 100

182 94.4 49.3 147.8

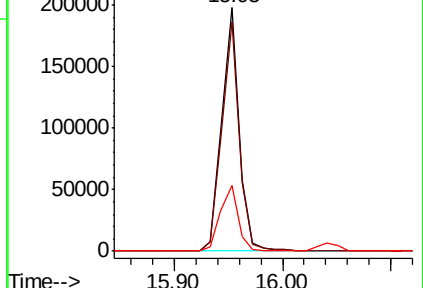
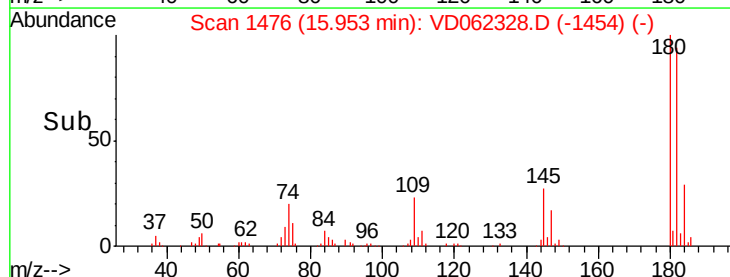
145 27.1 16.2 48.6

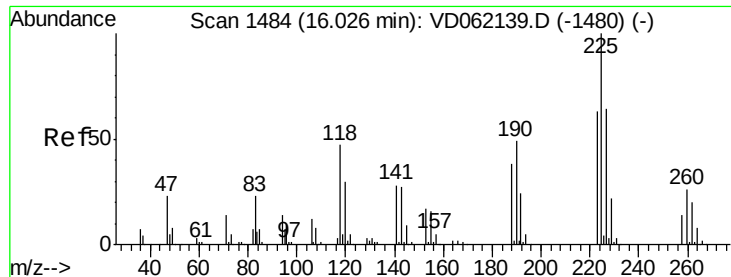


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#94

Hexachlorobutadiene

Concen: 34.409 ug/l

RT: 16.04 min Scan# 1485

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

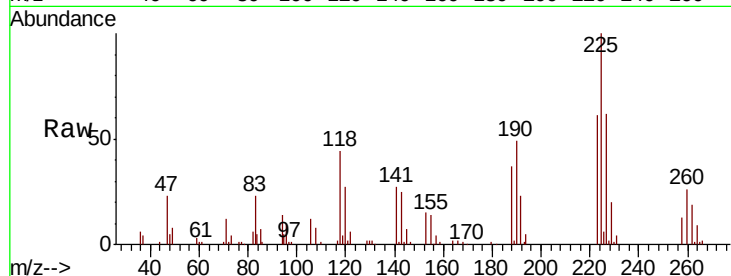
Tot Ion:225 Resp: 127332

Ion Ratio Lower Upper

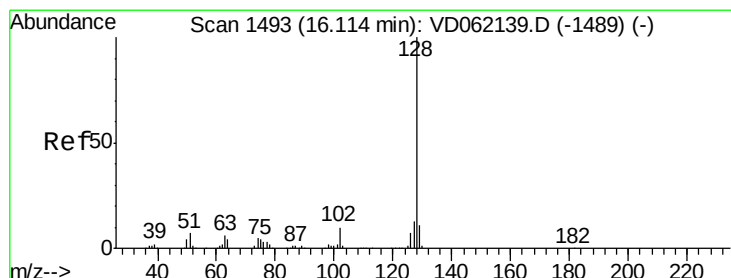
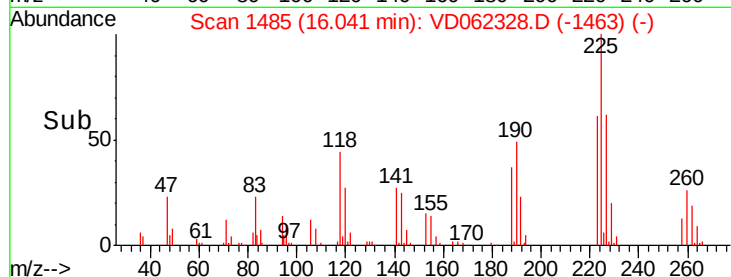
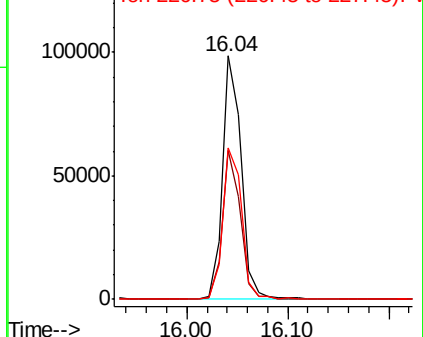
225 100

223 61.1 30.6 92.0

227 62.0 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: 44.476 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

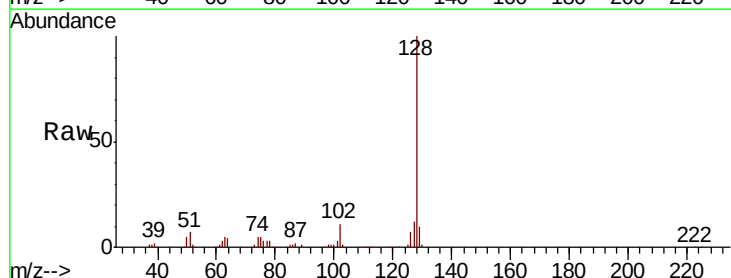
Tgt Ion:128 Resp: 308944

Ion Ratio Lower Upper

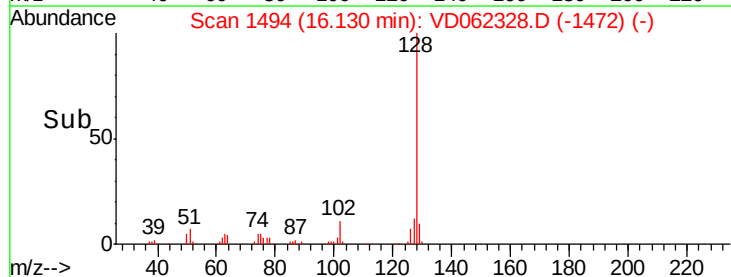
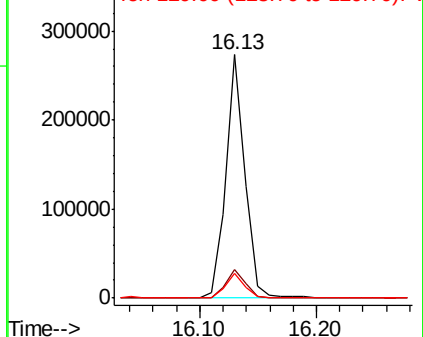
128 100

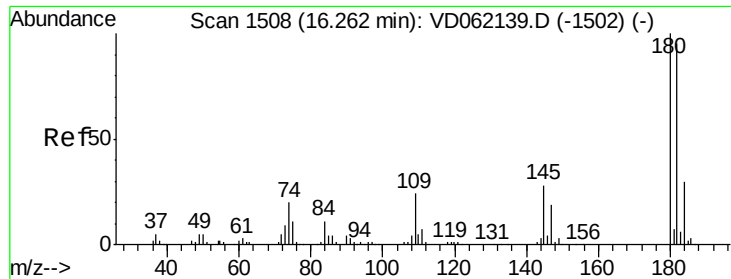
127 12.0 9.8 14.8

129 9.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

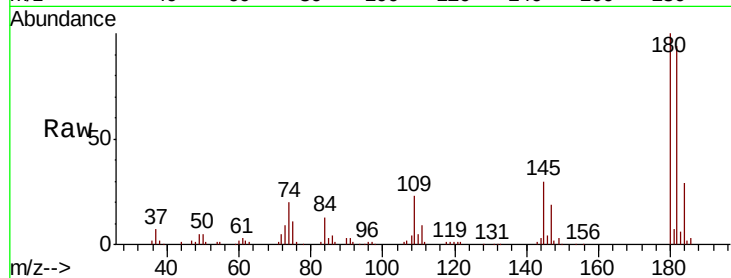




#96
 1,2,3-Trichlorobenzene
 Concen: 47.660 ug/l
 RT: 16.28 min Scan# 1509
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.0	141.0
145	29.6	17.0	51.0



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

