

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050919\
 Data File : VD062195.D
 Acq On : 9 May 2019 18:34
 Operator : FY/SY
 Sample : K2717-10MS
 Misc : 4.72g/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MS

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 11:53:56 AM

Quant Time: May 10 04:58:02 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	7.02	168	597674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	832656	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	564489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	183545	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	346770	62.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.86%	
35) Dibromofluoromethane	6.90	113	437656	63.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.70%	
50) Toluene-d8	10.40	98	854877	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	13.55	95	259545	38.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	319133	55.829	ug/l	99
3) Chloromethane	1.75	50	214529	51.939	ug/l	99
4) Vinyl Chloride	1.84	62	228862	56.380	ug/l	98
5) Bromomethane	2.15	94	86813	91.271	ug/l	99
6) Chloroethane	2.27	64	111746	65.604	ug/l	98
7) Trichlorofluoromethane	2.52	101	473739	60.029	ug/l	98
8) Diethyl Ether	2.86	74	77127	50.674	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.14	101	312056	52.271	ug/l	95
10) Methyl Iodide	3.30	142	433617	48.058	ug/l	89
11) Tert butyl alcohol	4.04	59	66455	234.397	ug/l	98
12) 1,1-Dichloroethene	3.11	96	265940	58.356	ug/l	90
13) Acrolein	3.03	56	22521	76.800	ug/l	93
14) Allyl chloride	3.61	41	374160	56.468	ug/l	85
15) Acrylonitrile	4.18	53	181336	243.337	ug/l	91
16) Acetone	3.20	43	231503	198.751	ug/l #	85
17) Carbon Disulfide	3.37	76	684678	52.228	ug/l	98
18) Methyl Acetate	3.62	43	476835	229.987	ug/l	95
19) Methyl tert-butyl Ether	4.22	73	524741	53.720	ug/l	94
20) Methylene Chloride	3.80	84	262338	53.941	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	265721	52.399	ug/l	97
22) Diisopropyl ether	5.10	45	799663	56.713	ug/l #	85
23) Vinyl Acetate	5.09	43	392231	52.723	ug/l #	77
24) 1,1-Dichloroethane	4.96	63	469724	55.222	ug/l	99
25) 2-Butanone	6.05	43	277211	218.190	ug/l	95
26) 2,2-Dichloropropane	6.00	77	465752	54.968	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	292436	51.520	ug/l	93
28) Bromochloromethane	6.42	49	203074	60.681	ug/l	96
29) Tetrahydrofuran	6.43	42	144340	246.568	ug/l	99
30) Chloroform	6.65	83	569717	55.575	ug/l	99
31) Cyclohexane	6.94	56	261313	44.841	ug/l	94
32) 1,1,1-Trichloroethane	6.85	97	536882	55.409	ug/l	99
36) 1,1-Dichloropropene	7.13	75	358000	52.439	ug/l	95
37) Ethyl Acetate	6.15	43	56723	19.592	ug/l #	83
38) Carbon Tetrachloride	7.09	117	534457m	56.561	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	197240	30.154	ug/l	94
40) Benzene	7.43	78	796658	51.677	ug/l	97
41) Methacrylonitrile	6.42	41	176968	50.018	ug/l	91
42) 1,2-Dichloroethane	7.56	62	365585	55.972	ug/l	95
43) Isopropyl Acetate	9.22	43	60406	14.711	ug/l	95
44) Trichloroethene	8.53	130	285442	48.591	ug/l	89
45) 1,2-Dichloropropane	8.92	63	187375	49.139	ug/l	95
46) Dibromomethane	9.05	93	156830	50.577	ug/l	88
47) Bromodichloromethane	9.36	83	407999	53.792	ug/l	98
48) Methyl methacrylate	9.11	41	159477	63.055	ug/l	93
49) 1,4-Dioxane	9.06	88	27066	991.840	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	607826	230.287	ug/l	96
52) Toluene	10.49	92	472263	47.083	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	306871	46.812	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	350275	48.980	ug/l	91
55) 1,1,2-Trichloroethane	11.17	97	180206	50.777	ug/l	97
56) Ethyl methacrylate	11.03	69	65094	17.651	ug/l #	85
57) 1,3-Dichloropropane	11.39	76	272655	50.853	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	488450	242.471	ug/l	96
59) 2-Hexanone	11.52	43	387566	199.226	ug/l	93
60) Dibromochloromethane	11.68	129	318263	51.890	ug/l	99
61) 1,2-Dibromoethane	11.79	107	205943	47.730	ug/l	97
64) Tetrachloroethene	11.24	164	204422	46.311	ug/l	94
65) Chlorobenzene	12.38	112	480964	45.746	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	289757	63.325	ug/l	95
67) Ethyl Benzene	12.51	91	929158	52.788	ug/l	99
68) m/p-Xylenes	12.66	106	625111	97.614	ug/l	94
69) o-Xylene	13.04	106	315025	52.913	ug/l	95
70) Styrene	13.06	104	493598	48.941	ug/l	97
71) Bromoform	13.22	173	174887	54.935	ug/l	99
73) Isopropylbenzene	13.40	105	772609	70.223	ug/l	98
74) N-amyl acetate	13.26	43	44728	15.506	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	170050	81.642	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	178412	81.792	ug/l	97
77) Bromobenzene	13.66	156	223370	72.524	ug/l	97
78) n-propylbenzene	13.76	91	766855	58.429	ug/l	94
79) 2-Chlorotoluene	13.83	91	465088	61.875	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	587583	63.421	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	44463	72.205	ug/l #	75
82) 4-Chlorotoluene	13.94	91	518168	58.582	ug/l	90
83) tert-Butylbenzene	14.18	119	641169	61.571	ug/l	98
84) 1,2,4-Trimethylbenzene	14.22	105	547067	58.842	ug/l	89
85) sec-Butylbenzene	14.36	105	527460	46.197	ug/l	97
86) p-Isopropyltoluene	14.48	119	494821	48.508	ug/l	92
87) 1,3-Dichlorobenzene	14.45	146	261946	46.557	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	248090	44.877	ug/l	97
89) n-Butylbenzene	14.79	91	306623	33.489	ug/l	98
90) Hexachloroethane	15.00	117	144197	51.980	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	228779	49.374	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26042	76.167	ug/l	90

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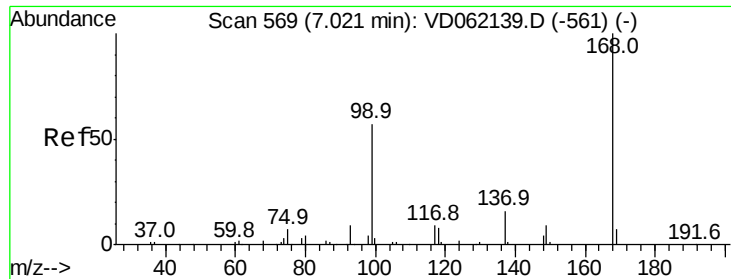
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	64370	19.086	ug/l	94
94) Hexachlorobutadiene	16.03	225	41362	16.489	ug/l	94
95) Naphthalene	16.11	128	136475	28.984	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	39763	18.752	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:168 Resp: 597674

Ion Ratio Lower Upper

168 100

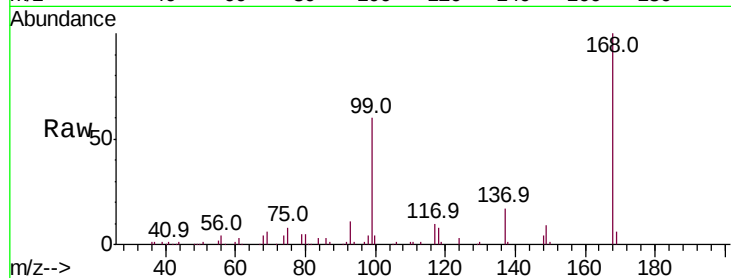
99 59.5 46.5 69.7

Manual Integrations

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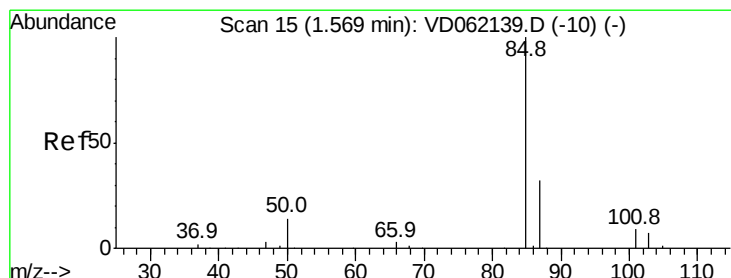
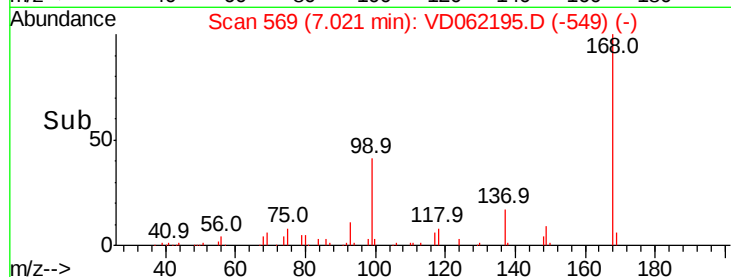
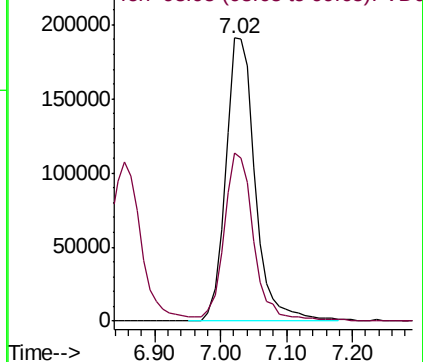
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 55.829 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062195.D

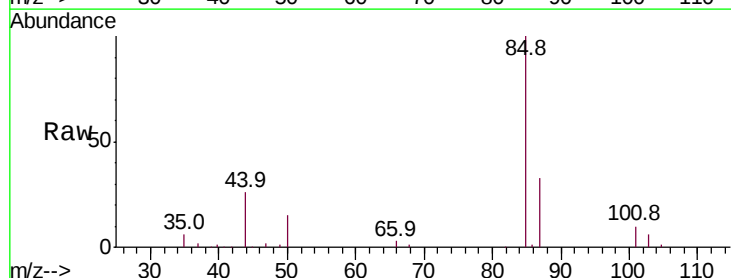
Acq: 9 May 2019 18:34

Tgt Ion: 85 Resp: 319133

Ion Ratio Lower Upper

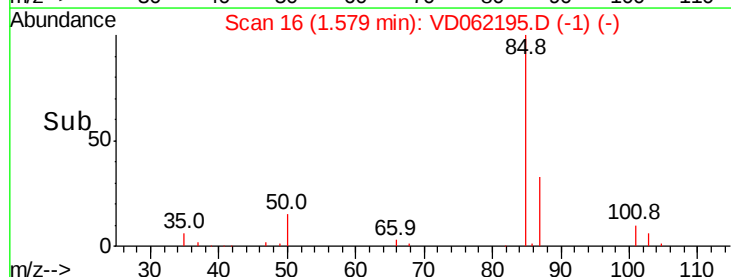
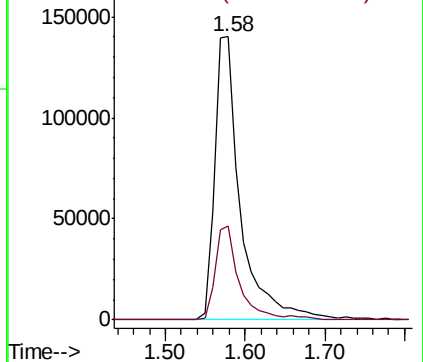
85 100

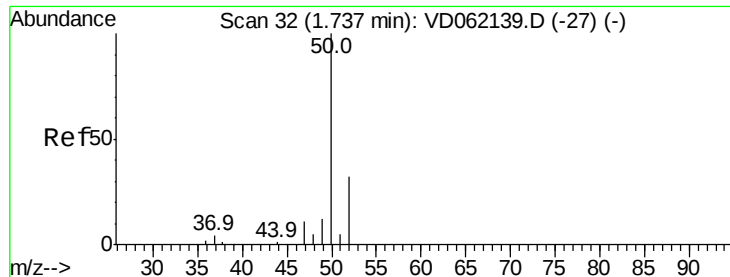
87 33.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.939 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 50 Resp: 214529

Ion Ratio Lower Upper

50 100

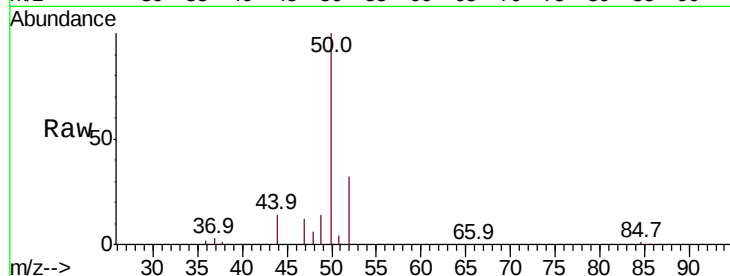
52 32.1 25.2 37.8

Manual Integrations

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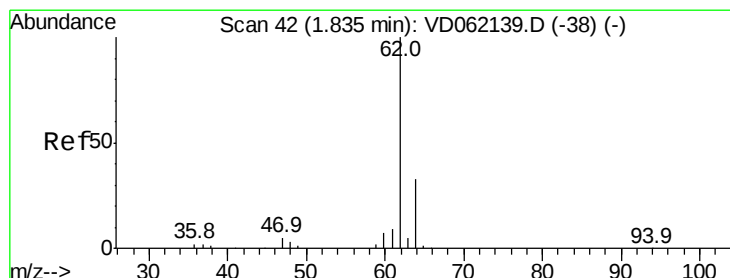
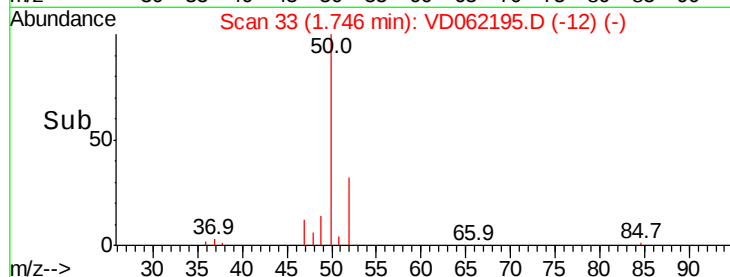
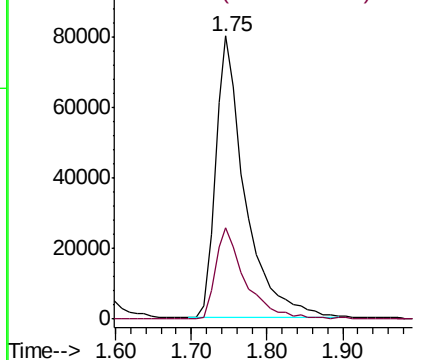
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 56.380 ug/l

RT: 1.84 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062195.D

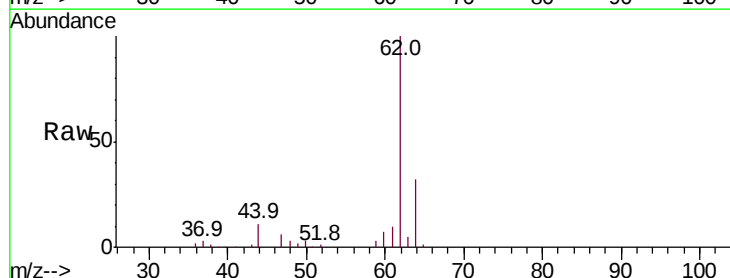
Acq: 9 May 2019 18:34

Tgt Ion: 62 Resp: 228862

Ion Ratio Lower Upper

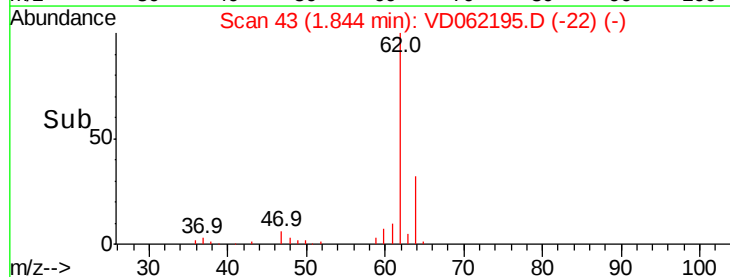
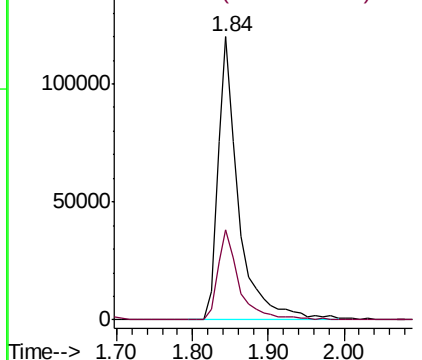
62 100

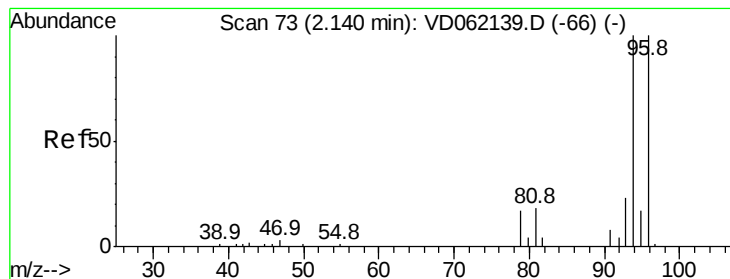
64 31.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 91.271 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 94 Resp: 86813

Ion Ratio Lower Upper

94 100

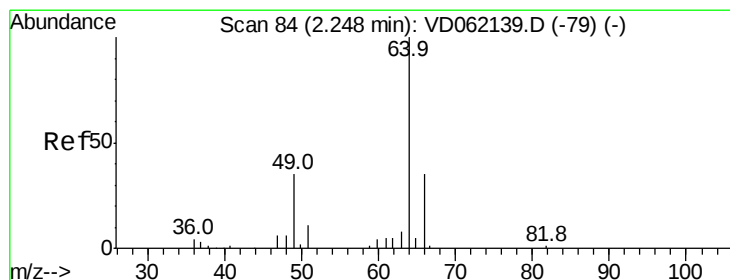
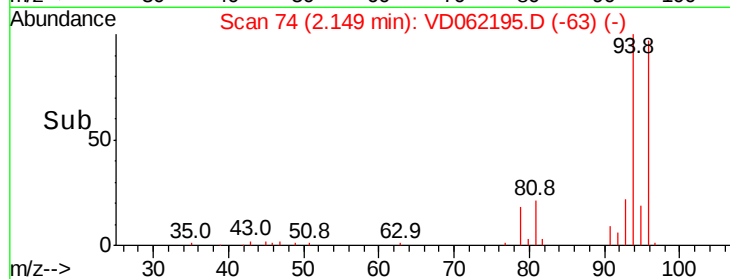
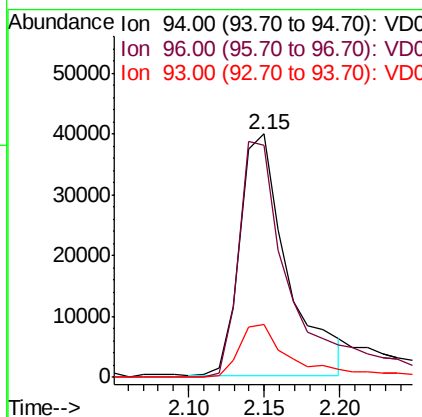
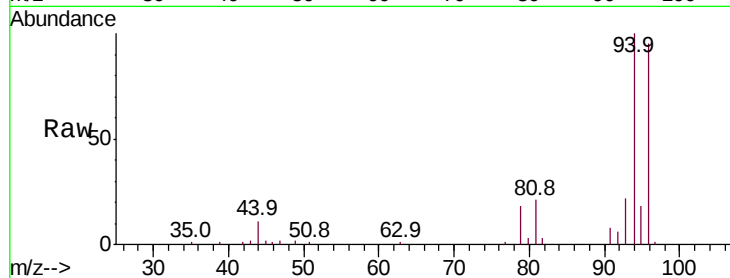
96 95.4 76.6 115.0

93 22.0 18.5 27.7

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#6

Chloroethane

Concen: 65.604 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.02 min

Lab File: VD062195.D

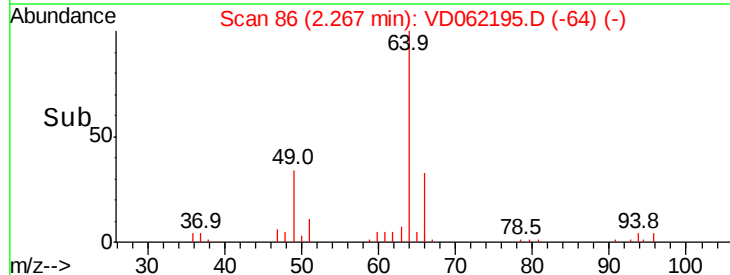
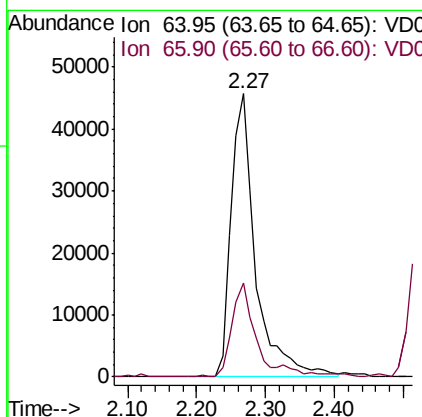
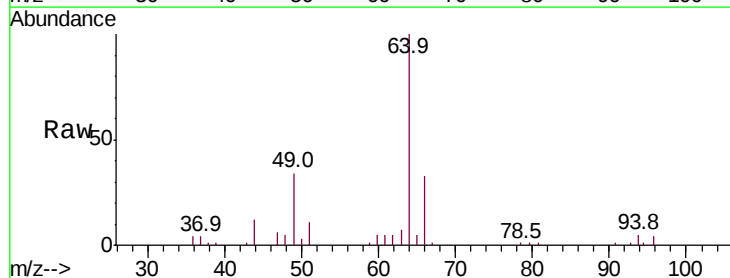
Acq: 9 May 2019 18:34

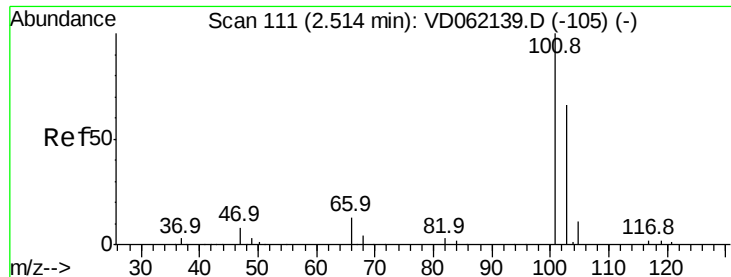
Tgt Ion: 64 Resp: 111746

Ion Ratio Lower Upper

64 100

66 33.3 25.6 38.4





#7

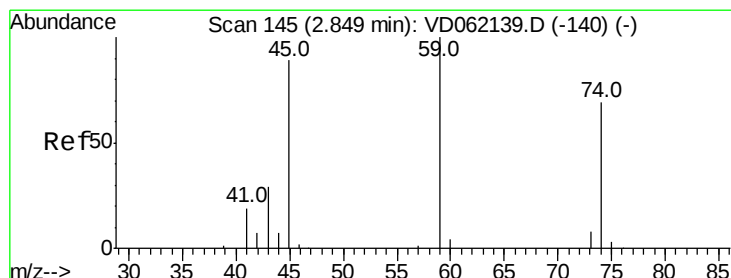
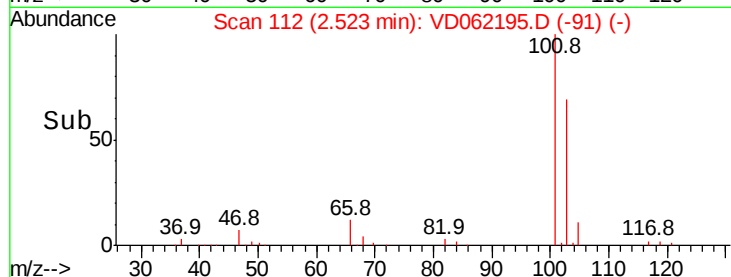
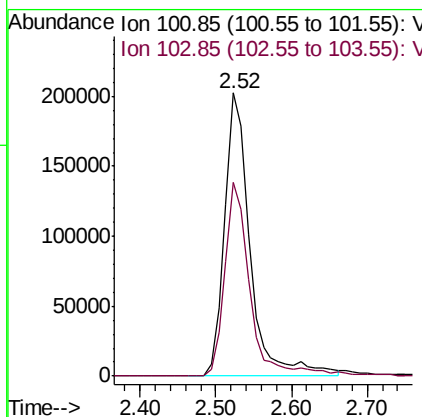
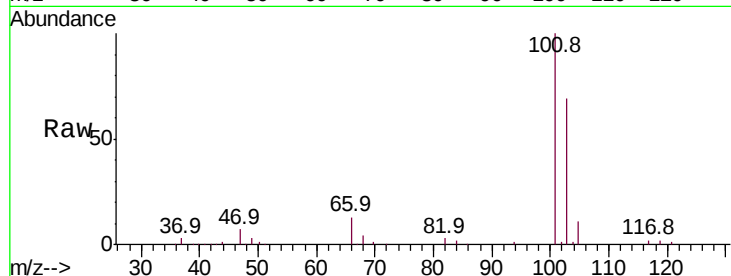
Trichlorofluoromethane
Concen: 60.029 ug/l
RT: 2.52 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion:101 Resp: 473739
Ion Ratio Lower Upper
101 100
103 68.6 53.6 80.4

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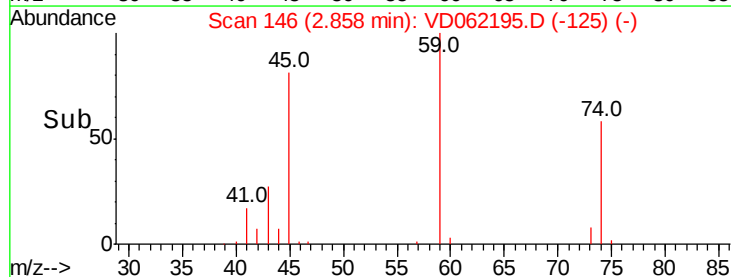
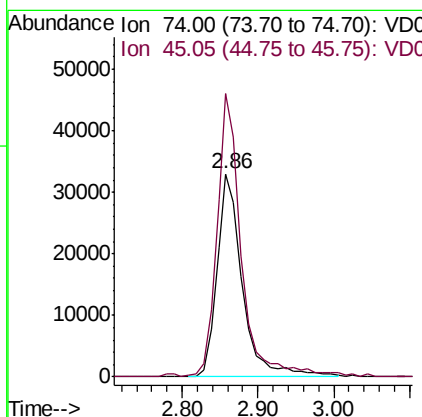
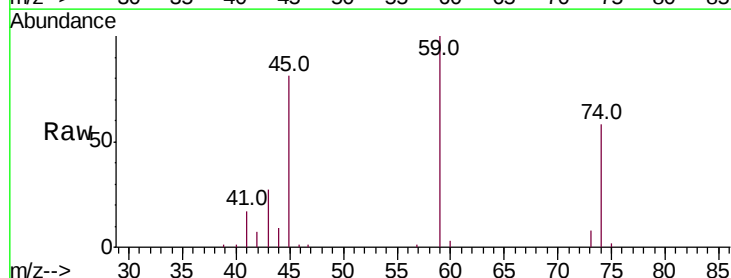
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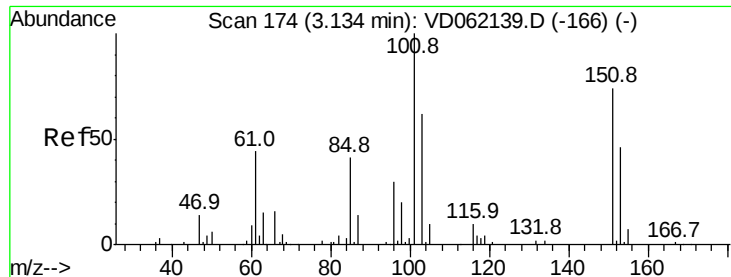


#8

Diethyl Ether
Concen: 50.674 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion: 74 Resp: 77127
Ion Ratio Lower Upper
74 100
45 139.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.271 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

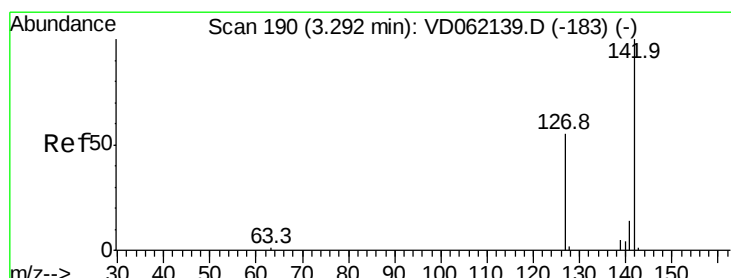
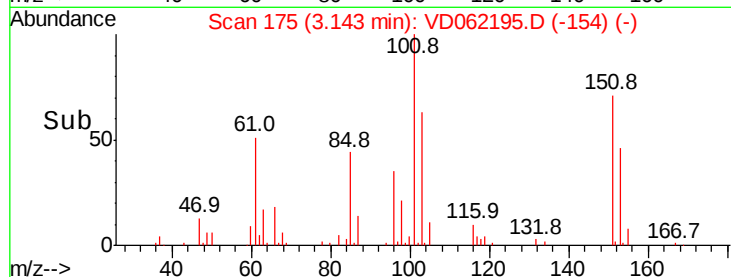
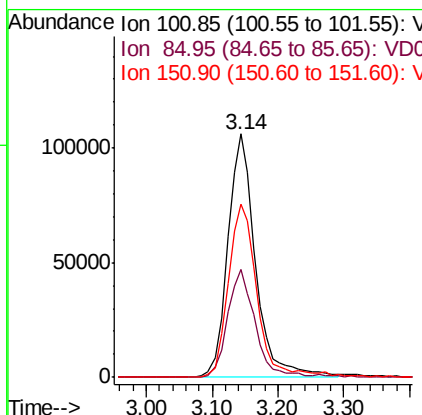
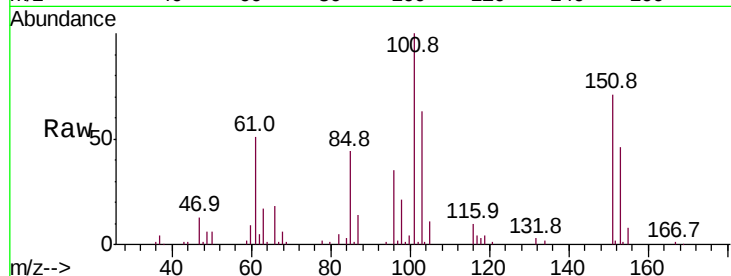
ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:	101	Resp:	312056
Ion Ratio	Lower	Upper	
101	100		
85	44.3	32.4	48.6
151	71.0	59.4	89.0

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#10

Methyl Iodide

Concen: 48.058 ug/l

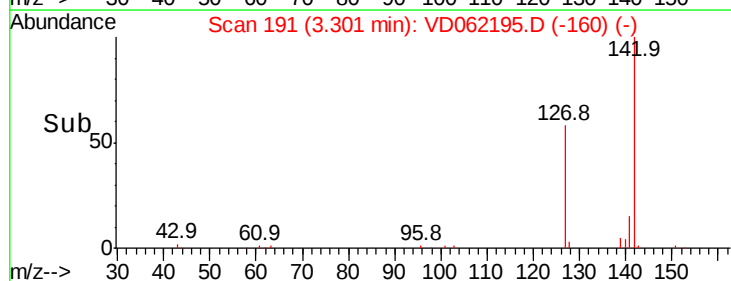
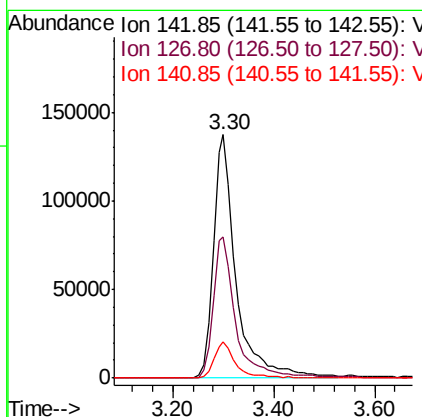
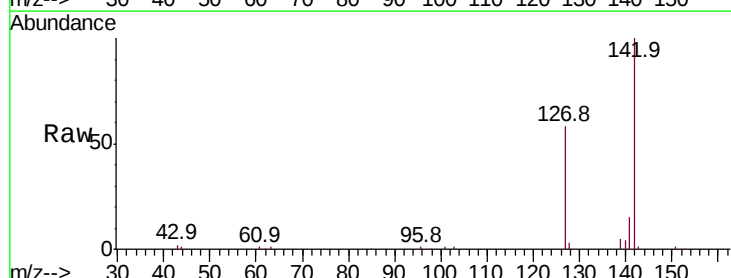
RT: 3.30 min Scan# 191

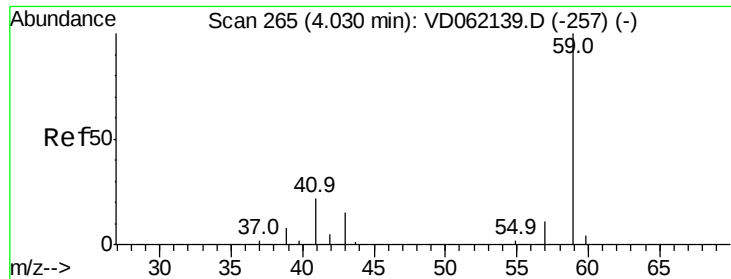
Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Tgt Ion:	142	Resp:	433617
Ion Ratio	Lower	Upper	
142	100		
127	57.8	38.8	58.2
141	14.8	11.4	17.0





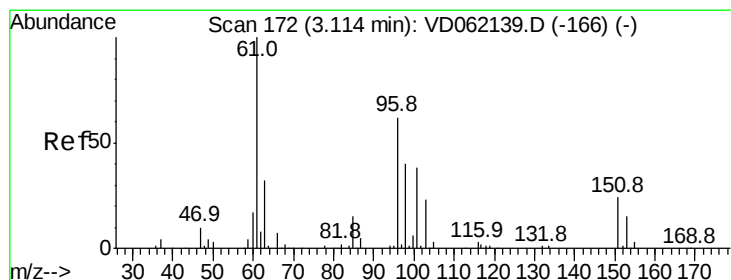
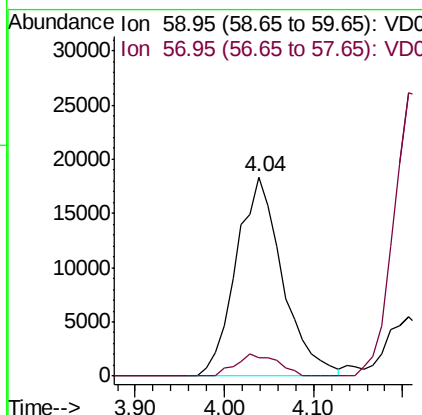
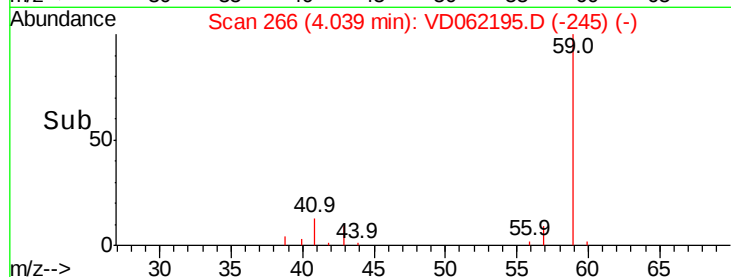
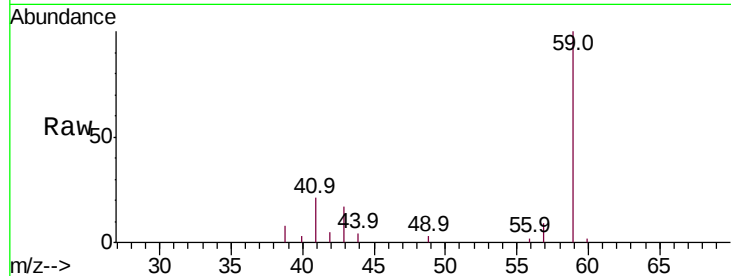
#11
Tert butyl alcohol
Concen: 234.397 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	6.9	10.3

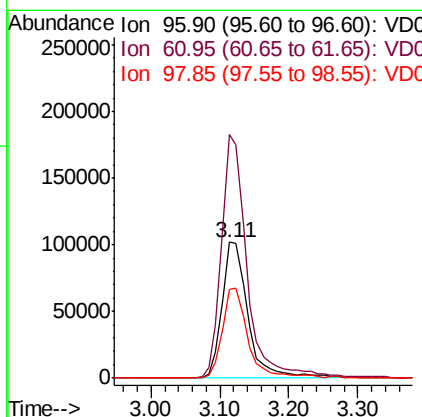
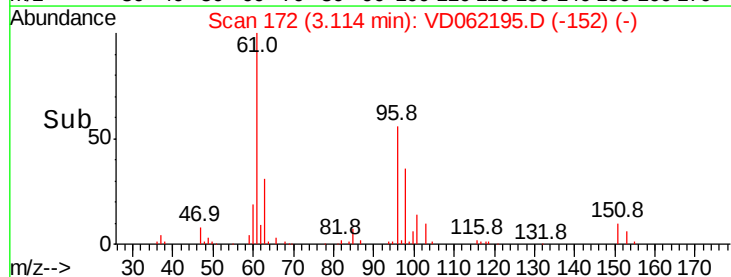
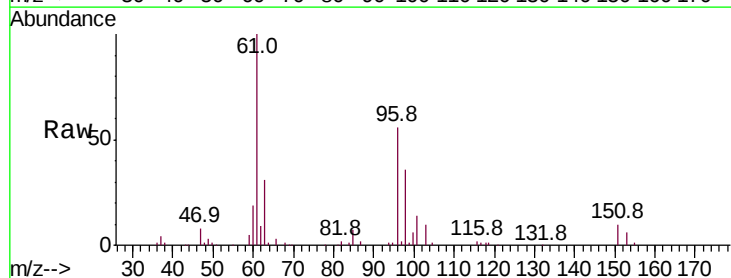
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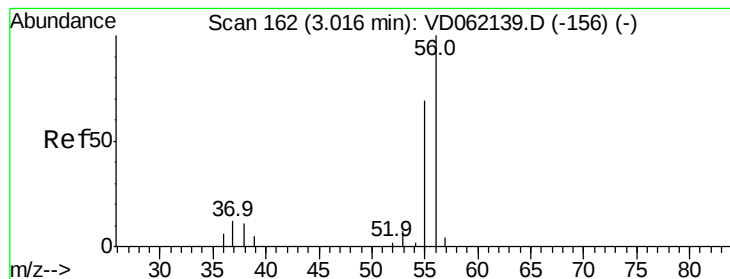
MMDadoda
5/10/2019 11:53:56 AM



#12
1,1-Dichloroethene
Concen: 58.356 ug/l
RT: 3.11 min Scan# 172
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.4	129.8	194.8
98	65.1	51.2	76.8





#13

Acrolein

Concen: 76.800 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 56 Resp: 22521

Ion Ratio Lower Upper

56 100

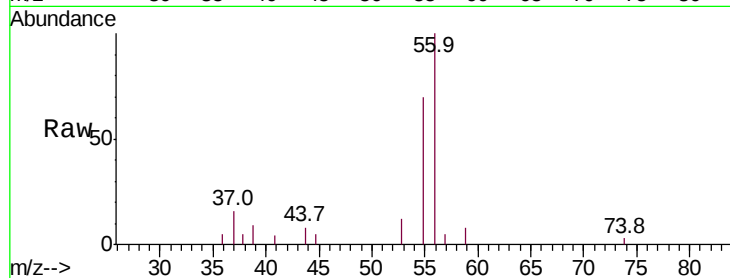
55 69.6 51.4 77.2

Manual Integrations

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MMDadoda

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

10000

8000

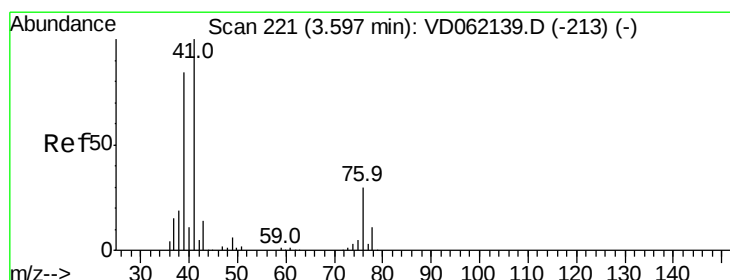
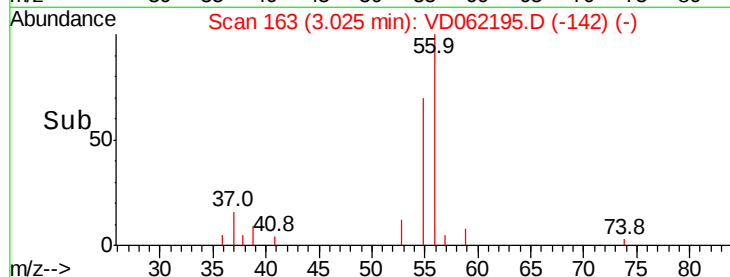
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 56.468 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

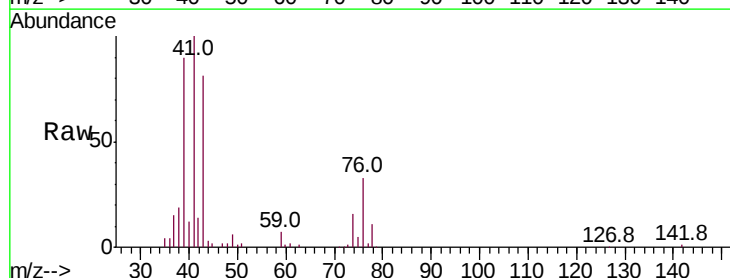
Tgt Ion: 41 Resp: 374160

Ion Ratio Lower Upper

41 100

39 90.2 60.5 90.7

76 33.1 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

200000

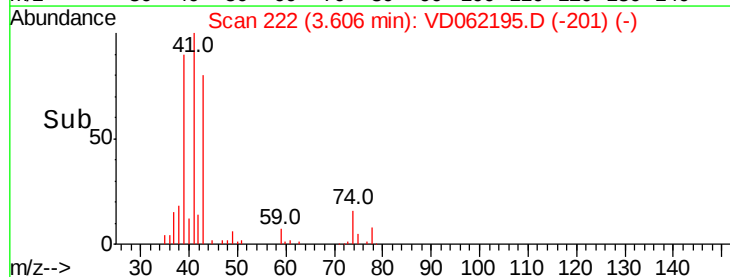
150000

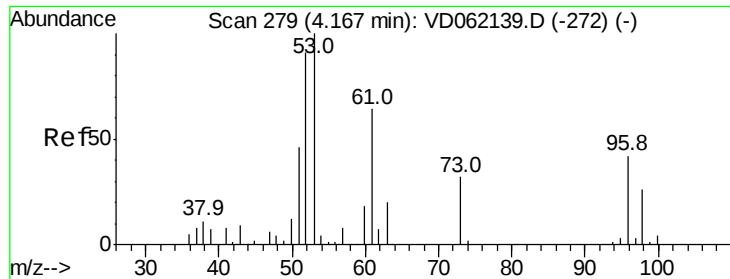
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 243.337 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 53 Resp: 181336
Ion Ratio Lower Upper

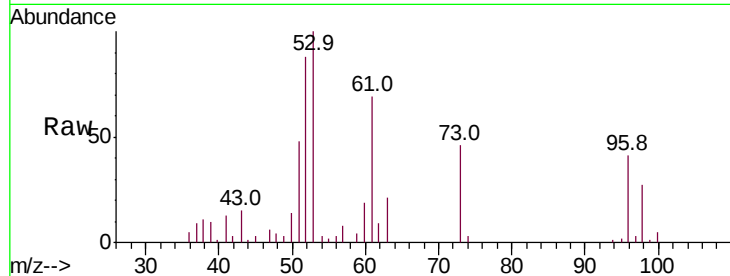
53 100

52 88.3 65.0 97.4

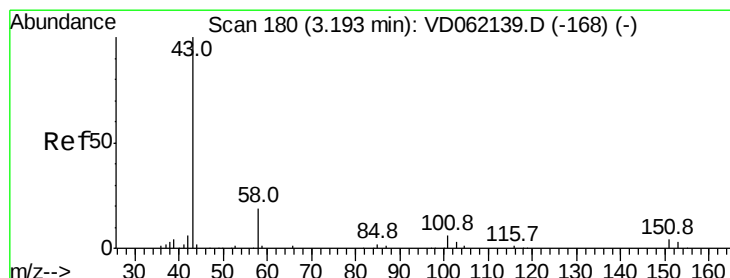
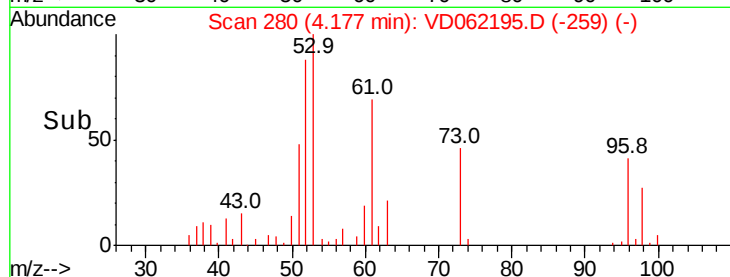
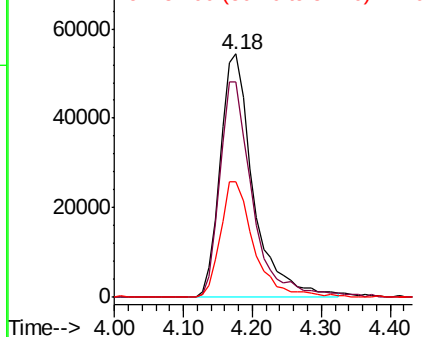
51 47.5 32.6 48.8

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



#16

Acetone

Concen: 198.751 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

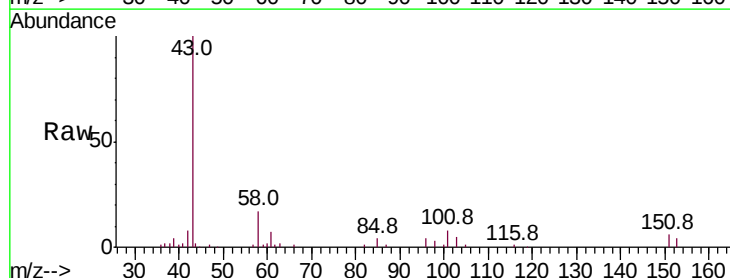
Lab File: VD062195.D

Acq: 9 May 2019 18:34

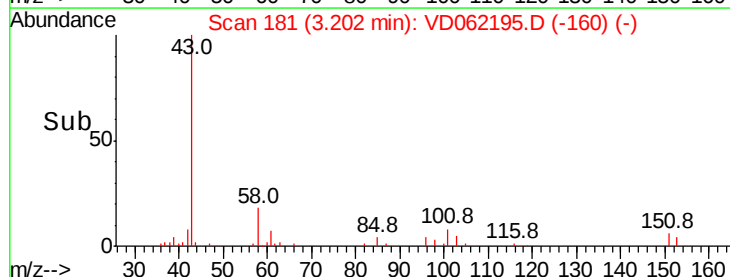
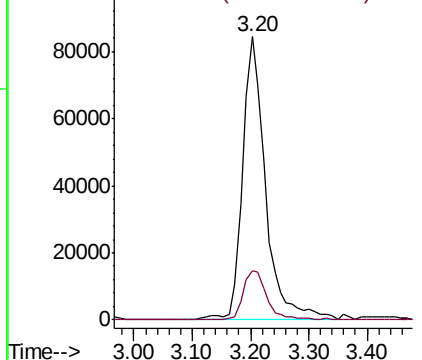
Tgt Ion: 43 Resp: 231503
Ion Ratio Lower Upper

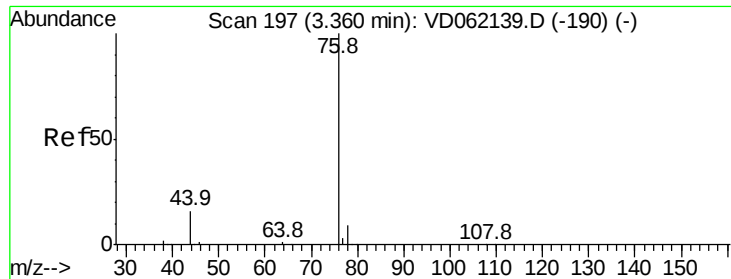
43 100

58 17.5 19.9 29.9#



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





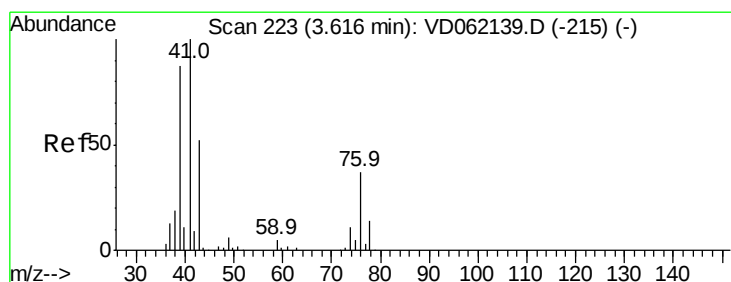
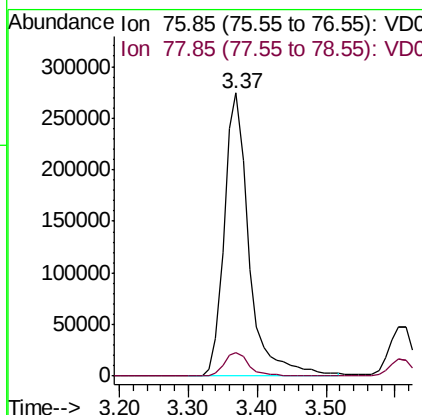
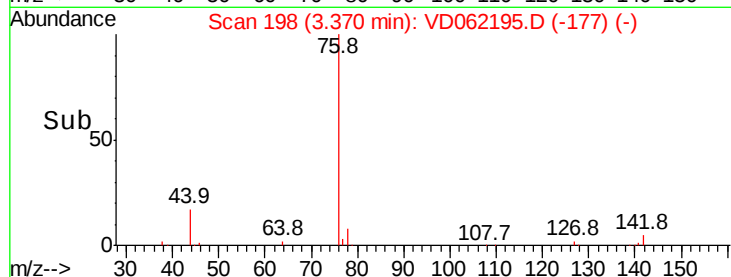
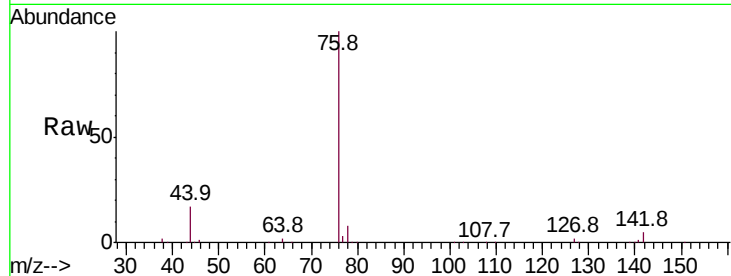
#17
Carbon Disulfide
Concen: 52.228 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 76 Resp: 684678
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8

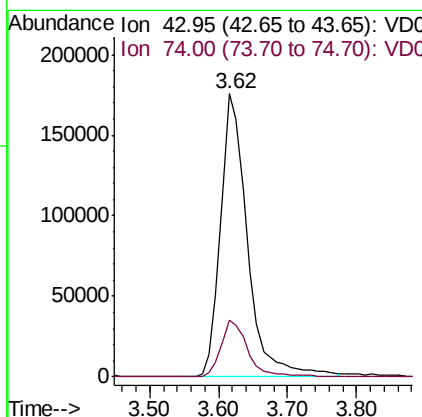
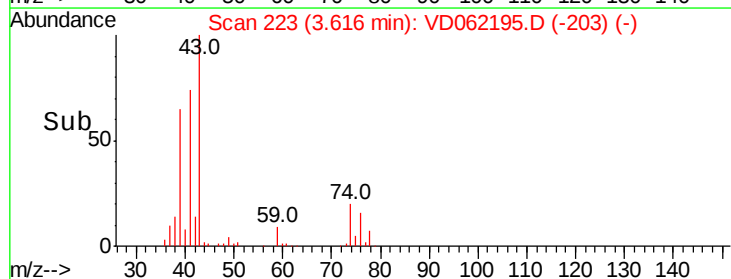
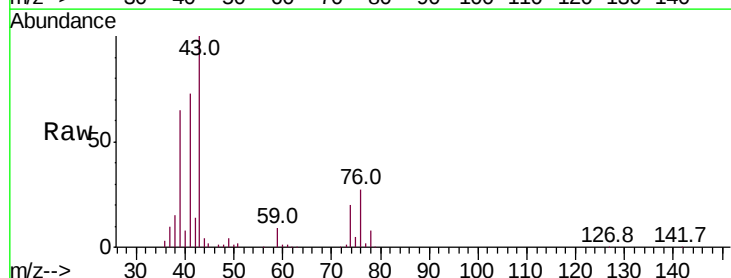
Manual Integrations
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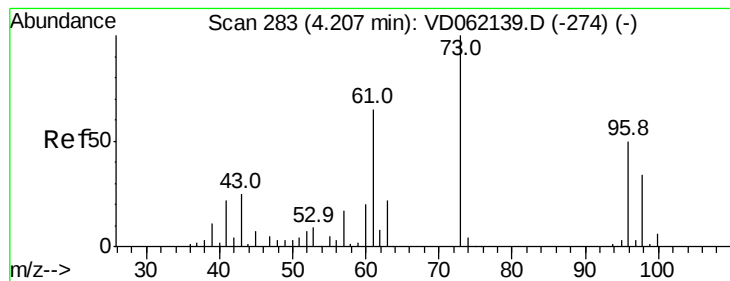
MMDadoda
5/10/2019 11:53:56 AM



#18
Methyl Acetate
Concen: 229.987 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion: 43 Resp: 476835
Ion Ratio Lower Upper
43 100
74 20.1 18.0 27.0





#19

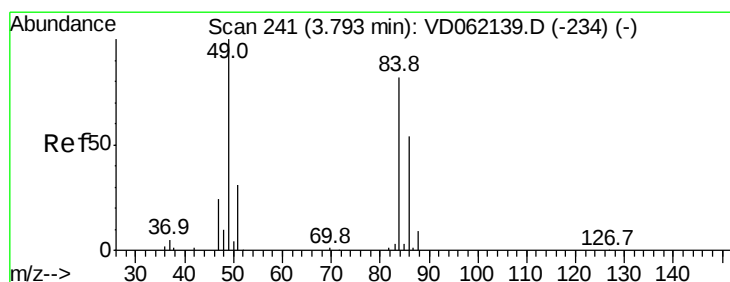
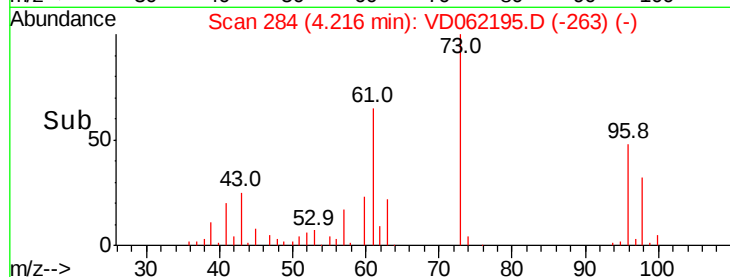
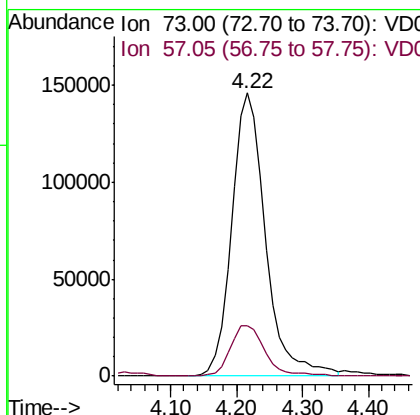
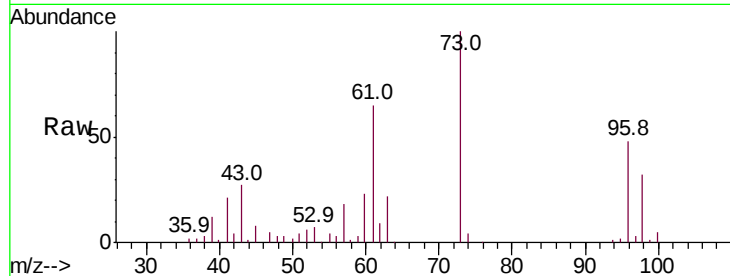
Methyl tert-butyl Ether
 Concen: 53.720 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion: 73 Resp: 524741
 Ion Ratio Lower Upper
 73 100
 57 17.7 16.3 24.5

Manual Integrations
 APPROVED

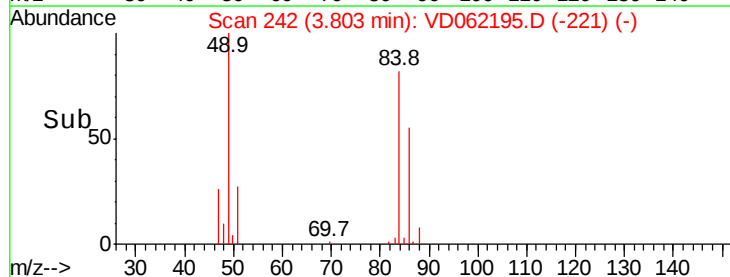
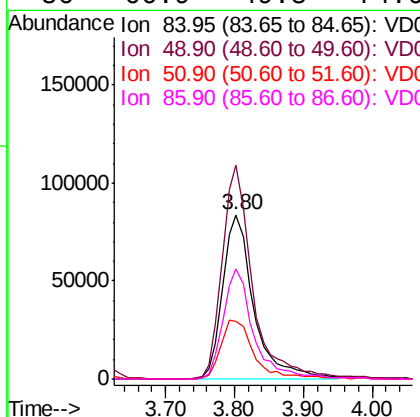
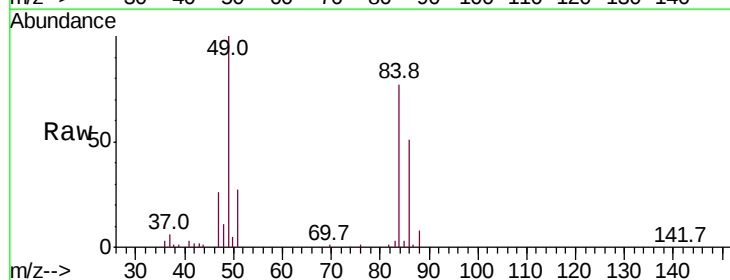
MMDadoda
 5/10/2019 11:53:56 AM

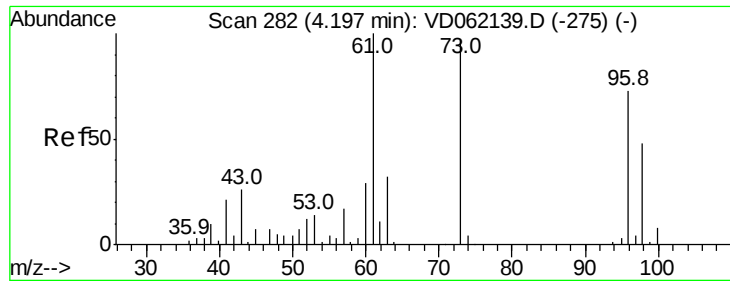


#20

Methylene Chloride
 Concen: 53.941 ug/l
 RT: 3.80 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Tgt Ion: 84 Resp: 262338
 Ion Ratio Lower Upper
 84 100
 49 130.0 94.0 141.0
 51 35.3 29.0 43.4
 86 66.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 52.399 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 96 Resp: 265721

Ion Ratio Lower Upper

96 100

61 134.2 104.4 156.6

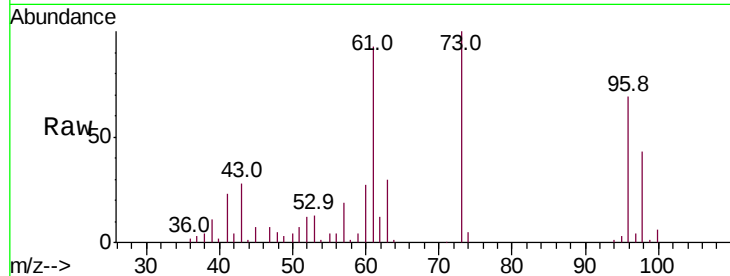
98 61.9 51.8 77.8

Manual Integrations

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MMDadoda

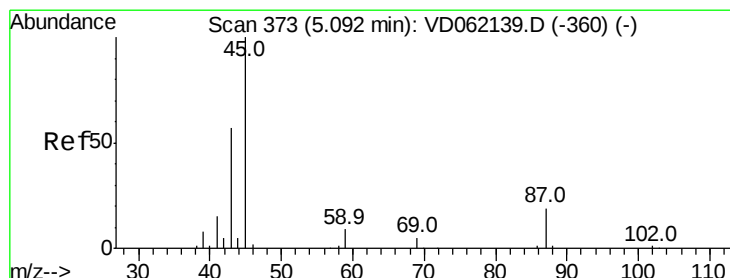
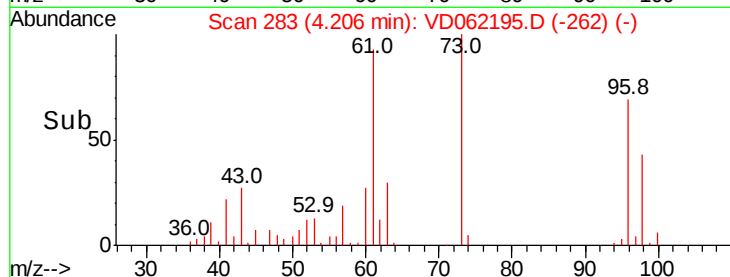
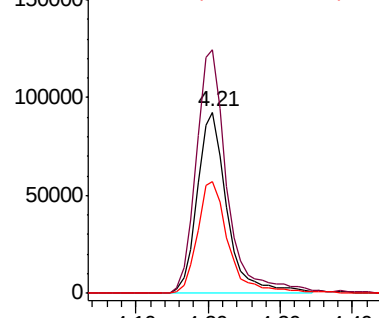
5/10/2019 11:53:56 AM



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: 56.713 ug/l

RT: 5.10 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Tgt Ion: 45 Resp: 799663

Ion Ratio Lower Upper

45 100

43 42.1 46.2 69.2#

87 20.7 15.9 23.9

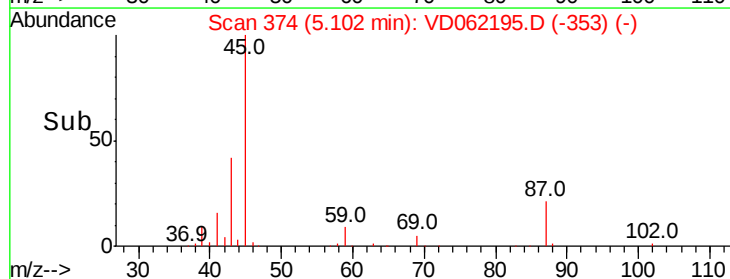
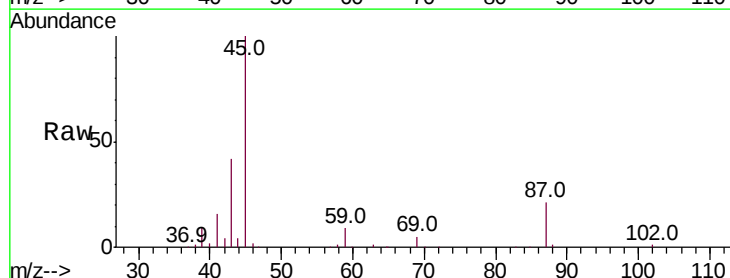
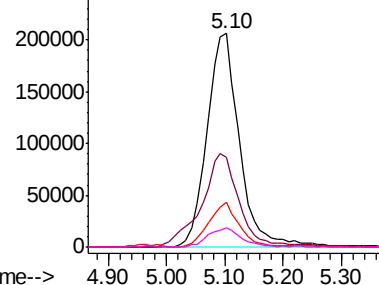
59 9.0 7.9 11.9

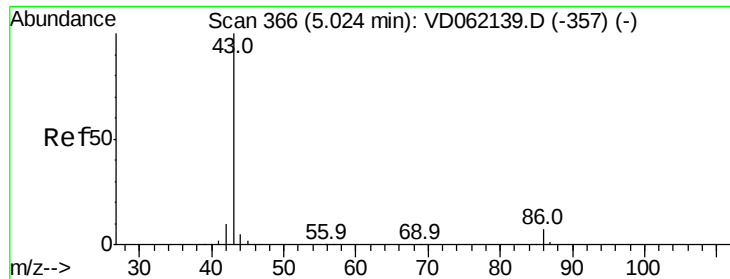
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 52.723 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.07 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 43 Resp: 392231

Ion Ratio Lower Upper

43 100

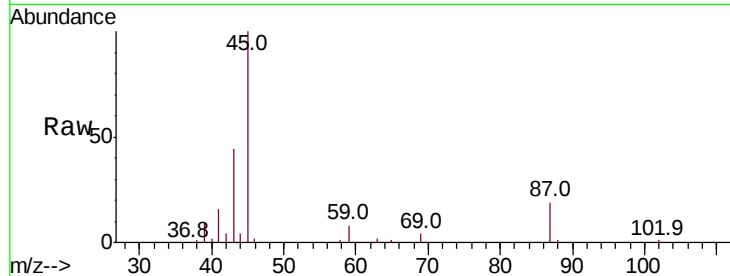
86 0.0 6.4 9.6#

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.09

100000

80000

60000

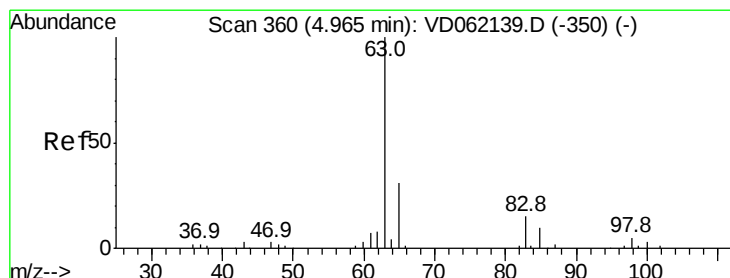
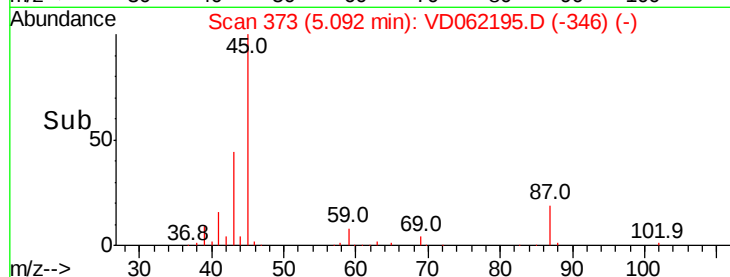
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 55.222 ug/l

RT: 4.96 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

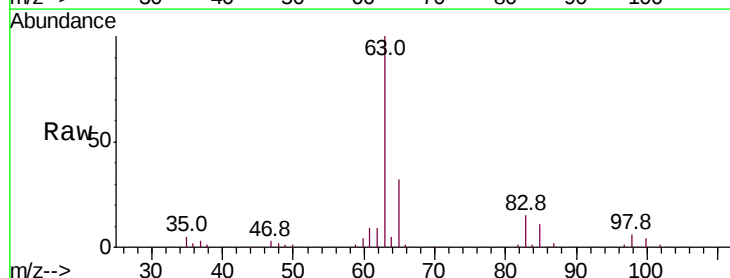
Tgt Ion: 63 Resp: 469724

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.7 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

4.96

150000

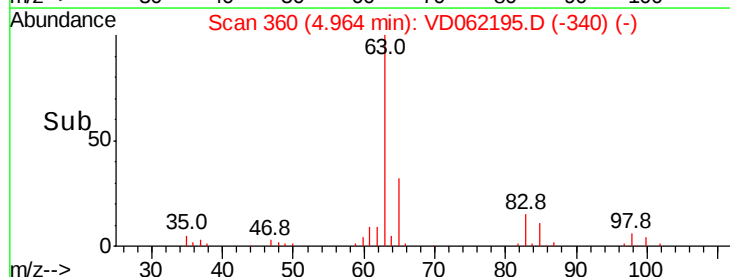
100000

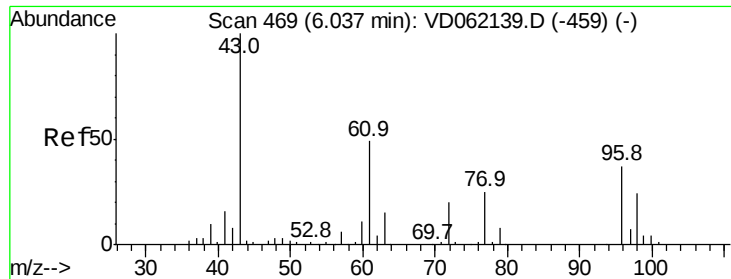
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





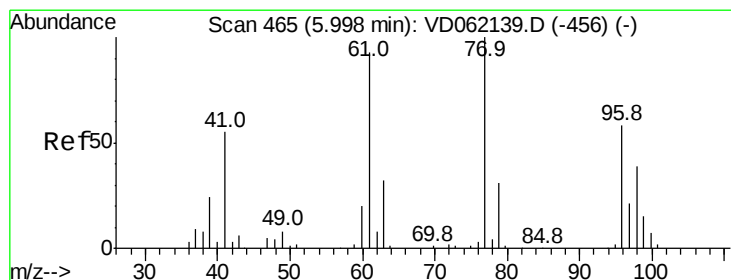
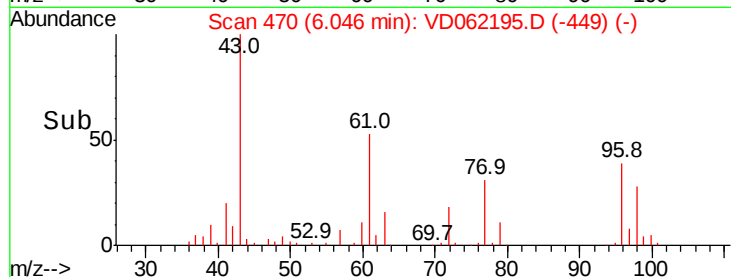
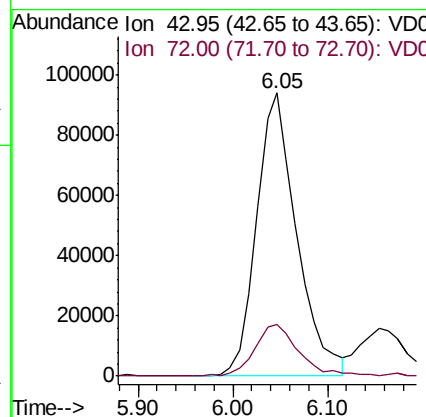
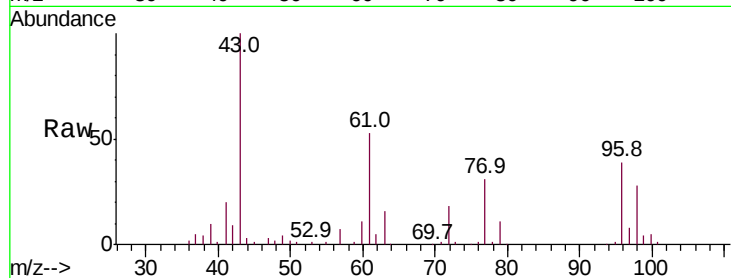
#25
2-Butanone
Concen: 218.190 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 43 Resp: 277211
Ion Ratio Lower Upper
43 100
72 18.1 16.2 24.4

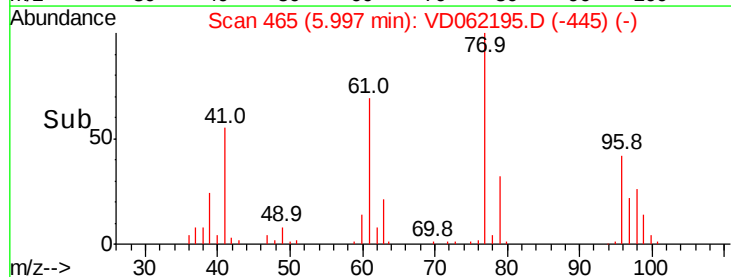
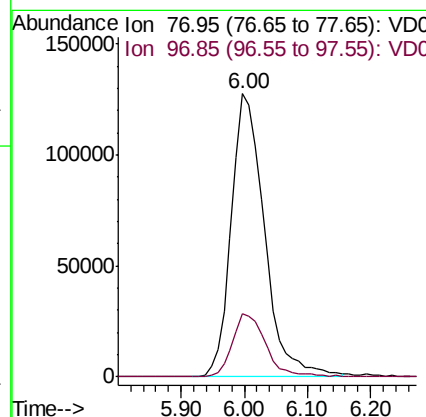
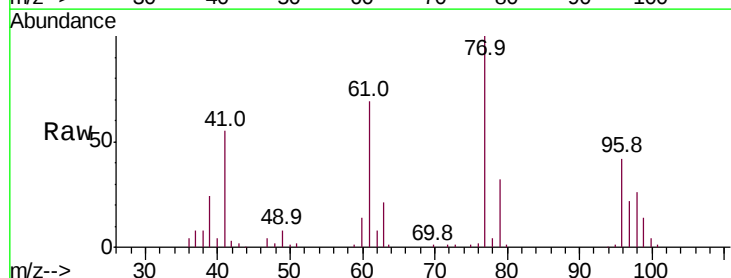
Manual Integrations
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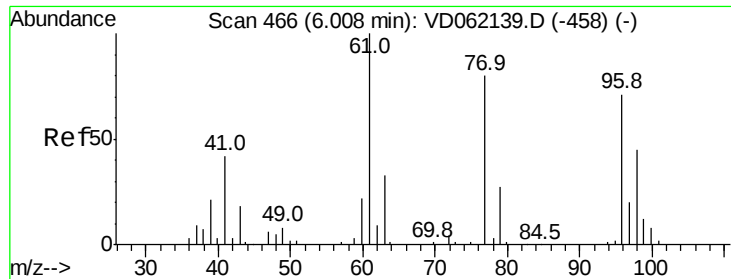
MMDadoda
5/10/2019 11:53:56 AM



#26
2,2-Dichloropropane
Concen: 54.968 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion: 77 Resp: 465752
Ion Ratio Lower Upper
77 100
97 22.2 11.9 35.9





#27

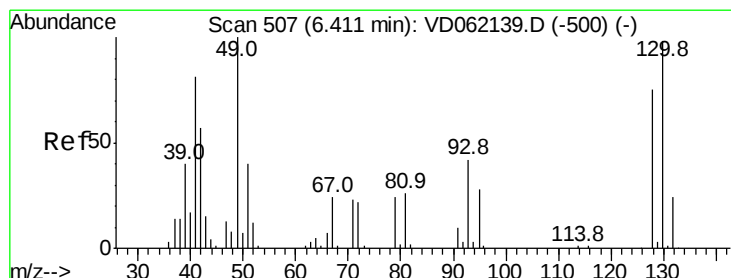
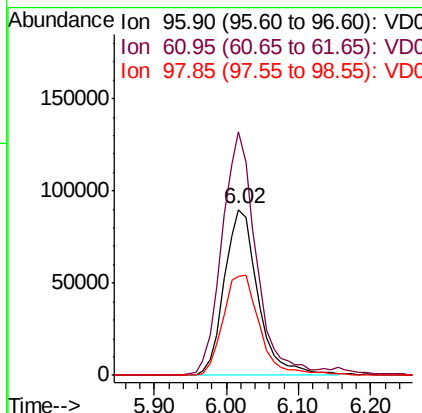
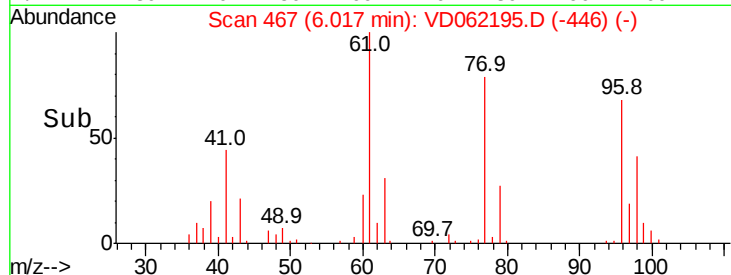
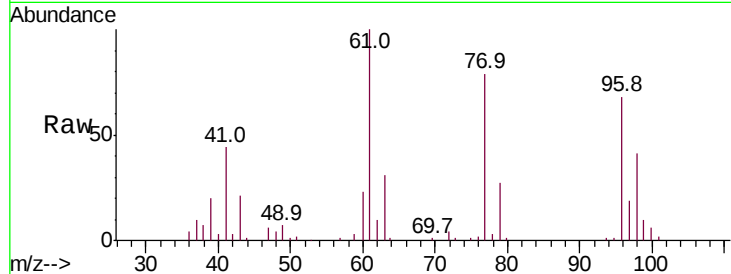
cis-1,2-Dichloroethene
Concen: 51.520 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	292436		
61	146.6	0.0	279.8	
98	59.6	0.0	136.0	

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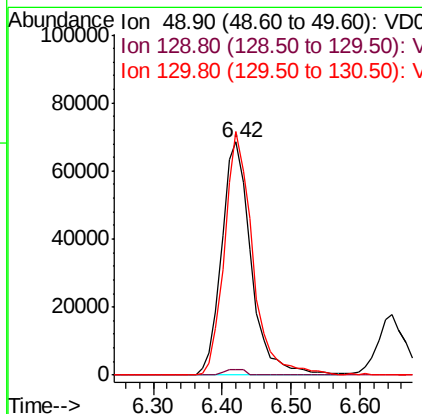
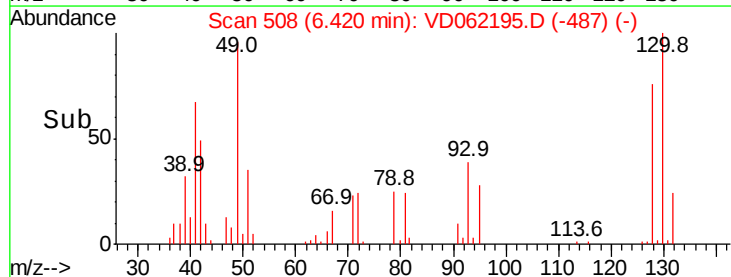
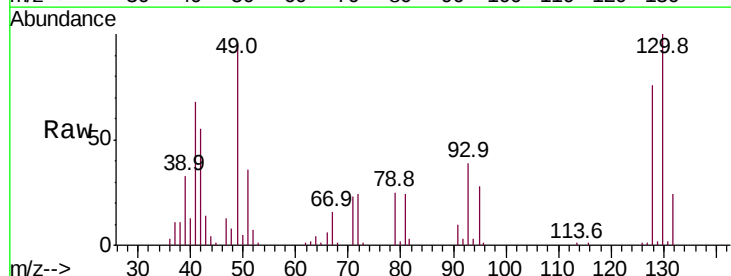
MMDadoda
5/10/2019 11:53:56 AM

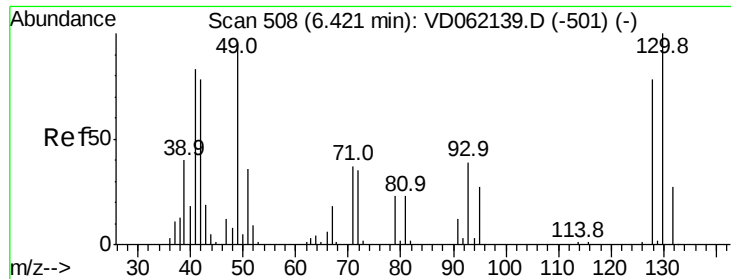


#28

Bromochloromethane
Concen: 60.681 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	203074		
129	2.2	0.0	6.6	
130	104.5	86.7	130.1	





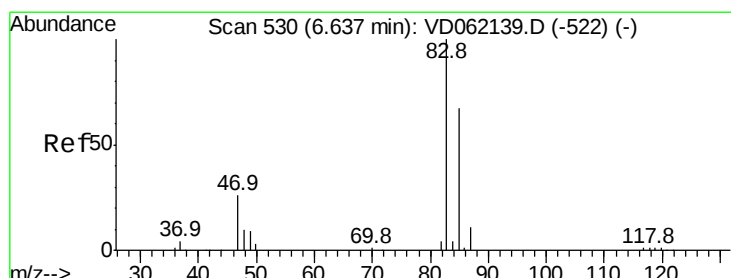
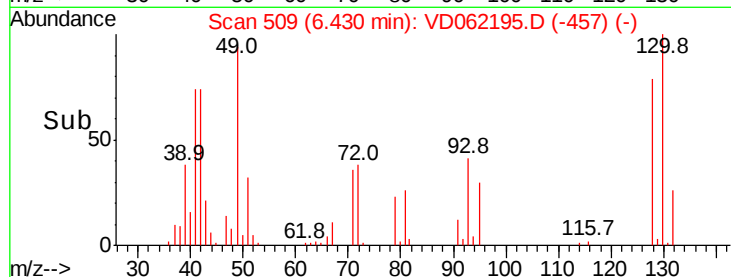
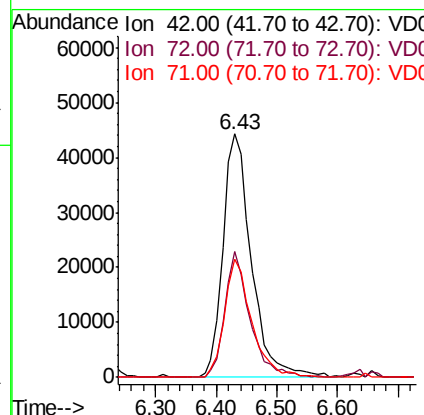
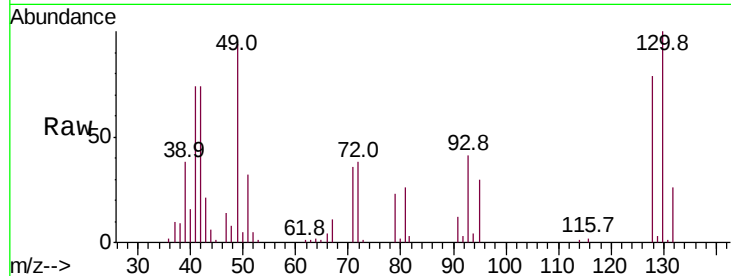
#29
Tetrahydrofuran
Concen: 246.568 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion:	42	Resp:	144340
Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.8	56.6
71	46.3	36.7	55.1

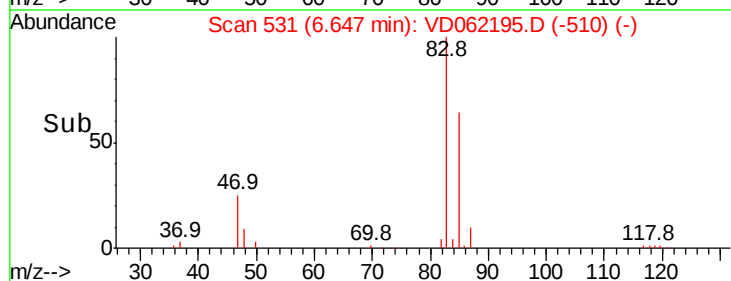
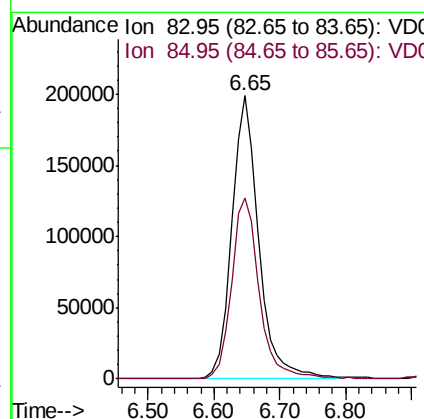
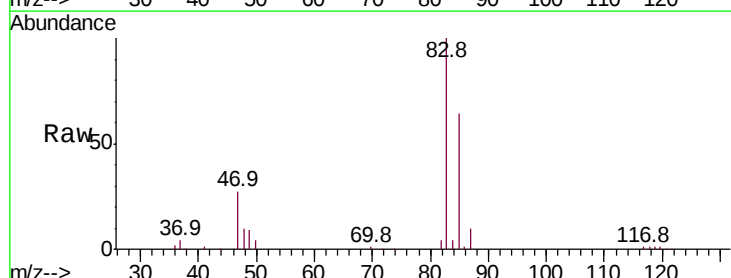
Manual Integrations
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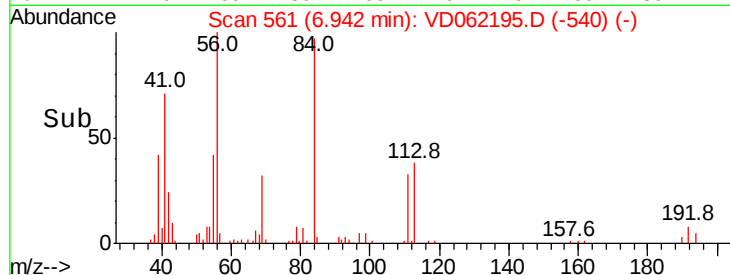
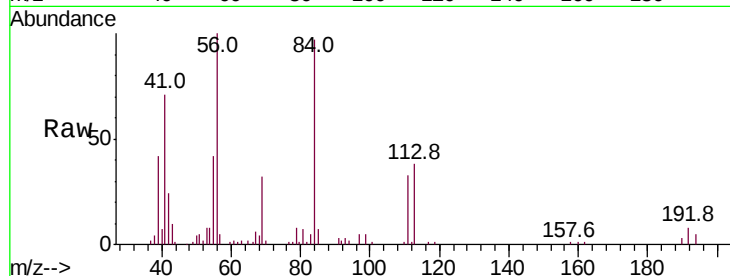
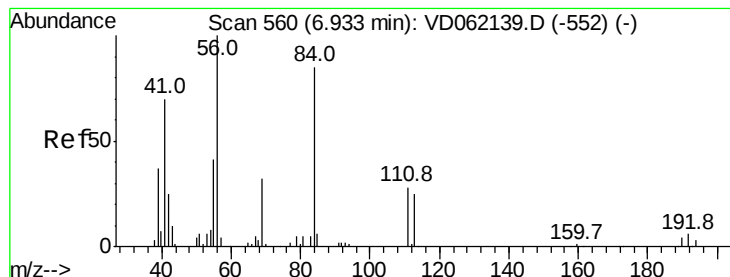
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#30
Chloroform
Concen: 55.575 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion:	83	Resp:	569717
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5





#31

Cyclohexane

Concen: 44.841 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062195.D

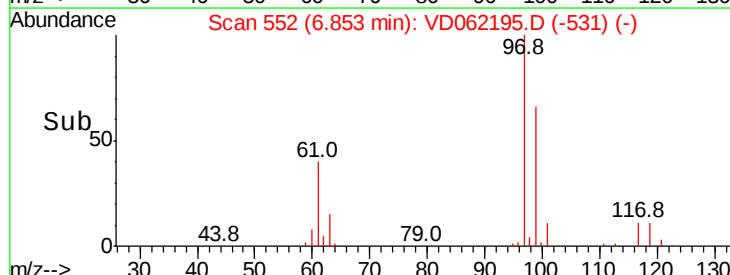
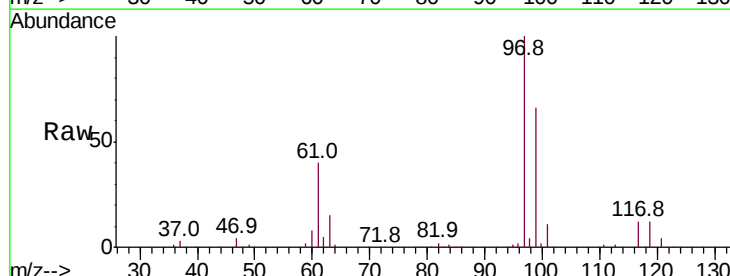
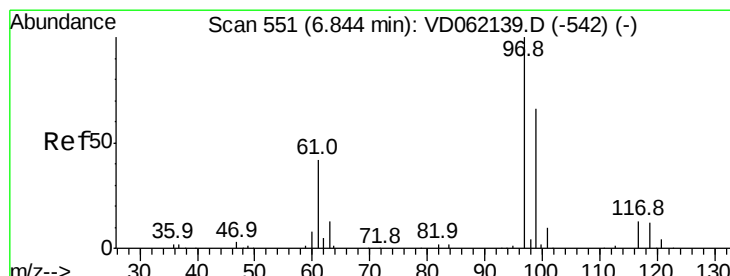
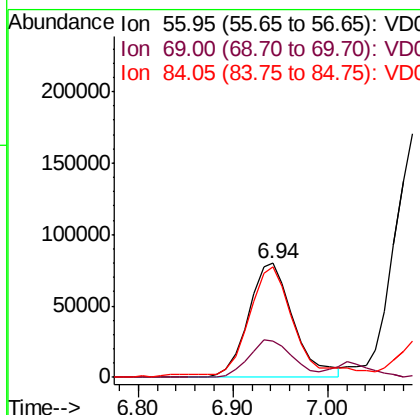
Acq: 9 May 2019 18:34

Tot Ion:	56	Resp:	261313
Ion Ratio	Lower	Upper	
56	100		
69	31.8	25.8	38.6
84	97.5	72.2	108.4

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

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#32

1,1,1-Trichloroethane

Concen: 55.409 ug/l

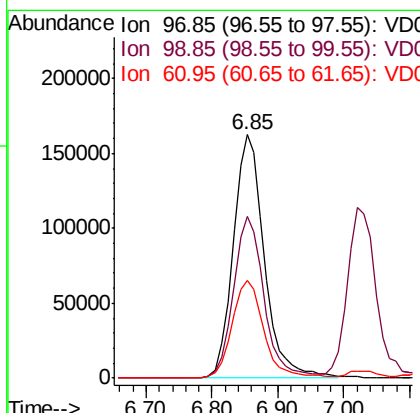
RT: 6.85 min Scan# 552

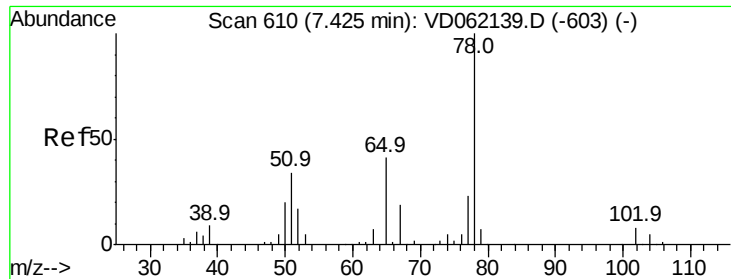
Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Tgt Ion:	97	Resp:	536882
Ion Ratio	Lower	Upper	
97	100		
99	66.3	52.2	78.2
61	40.4	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 62.433 ug/l

RT: 7.43 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 65 Resp: 346770

Ion Ratio Lower Upper

65 100

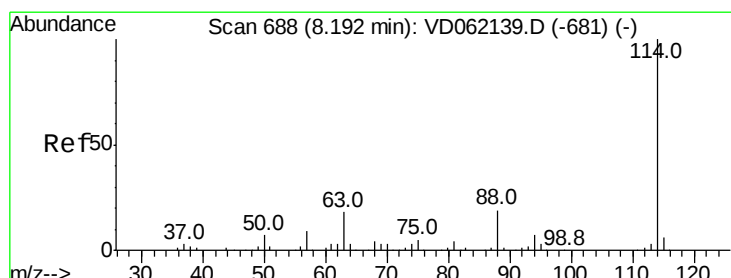
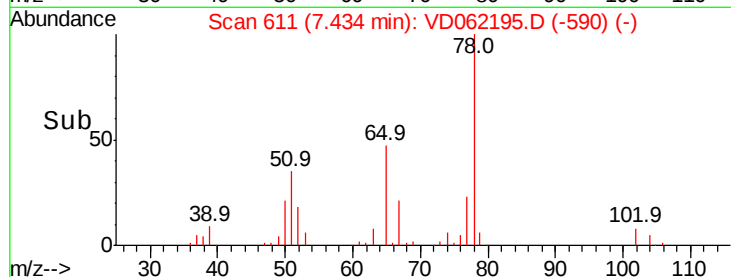
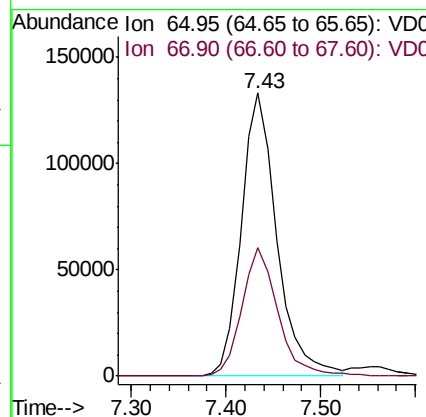
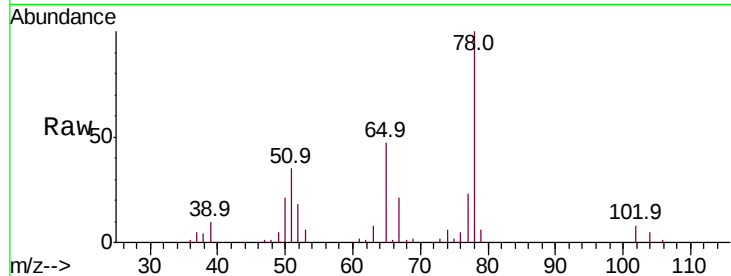
67 45.6 0.0 98.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

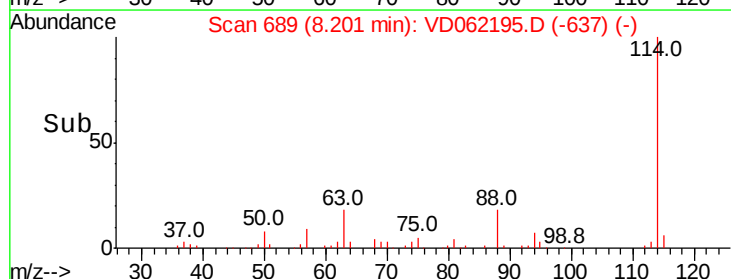
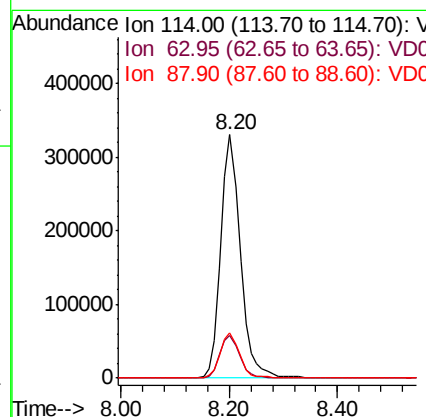
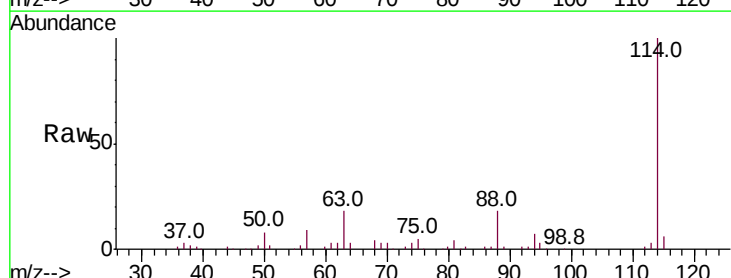
Tgt Ion: 114 Resp: 832656

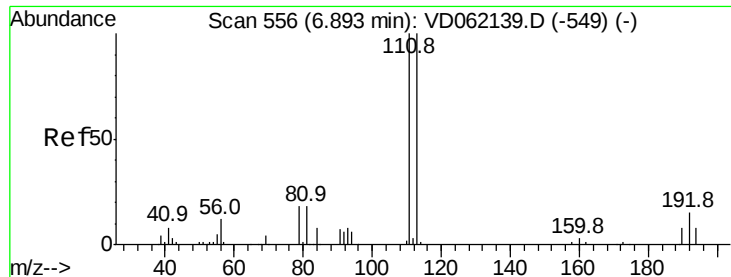
Ion Ratio Lower Upper

114 100

63 17.7 0.0 32.4

88 18.4 0.0 33.6





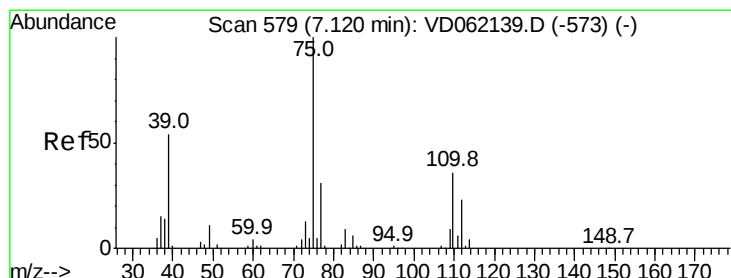
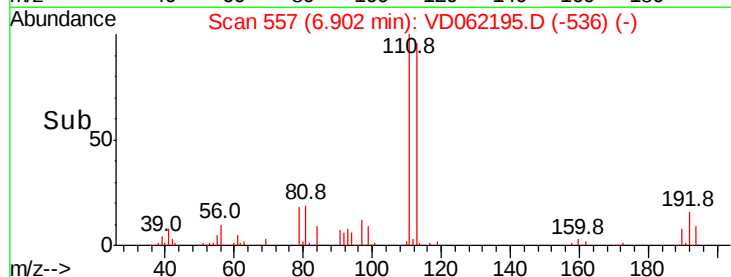
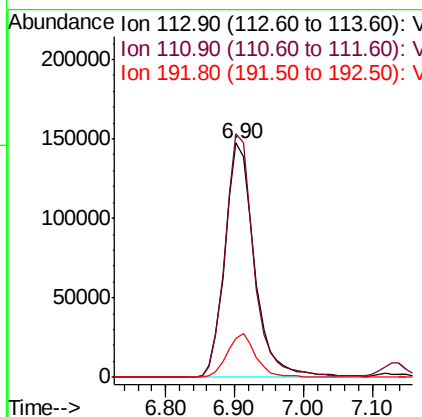
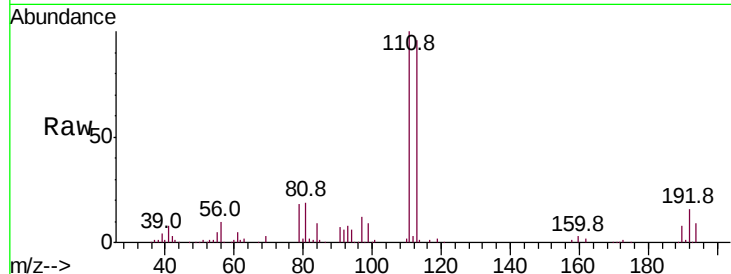
#35
Dibromofluoromethane
Concen: 63.349 ug/l
RT: 6.90 min Scan# 557
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.8	78.5	117.7	
192	16.7	13.0	19.4	

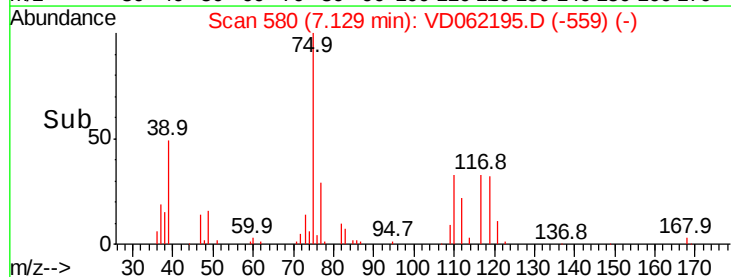
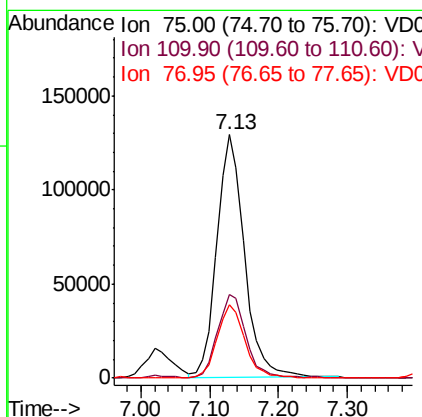
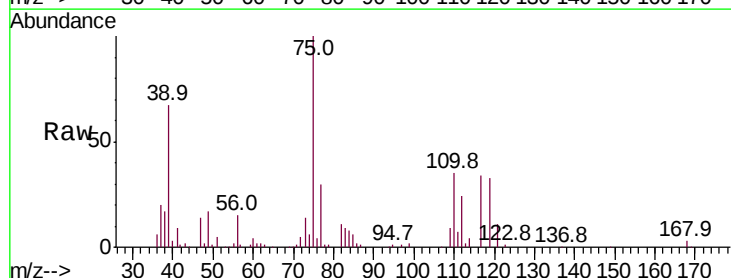
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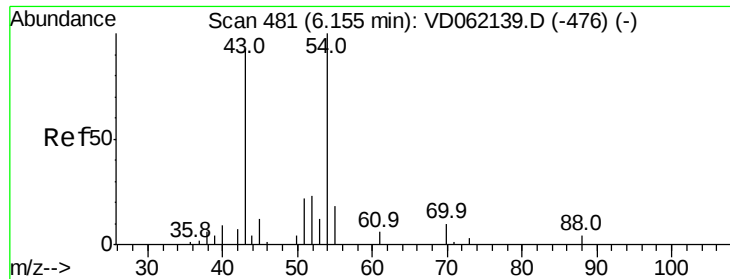
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#36
1,1-Dichloropropene
Concen: 52.439 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.6	19.1	57.1	
77	30.2	25.6	38.4	





#37

Ethyl Acetate

Concen: 19.592 ug/l

RT: 6.15 min Scan# 481

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

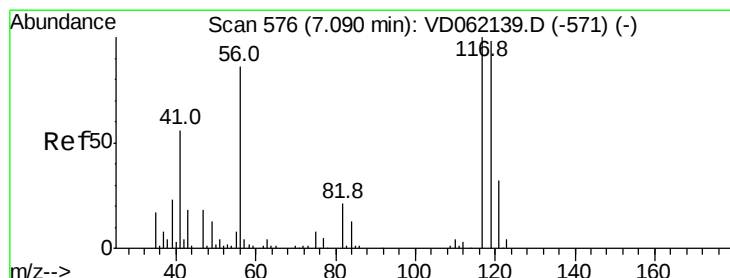
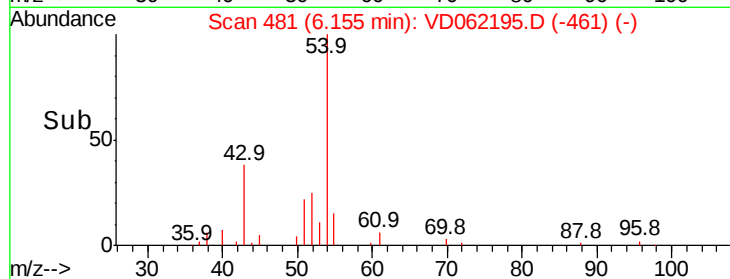
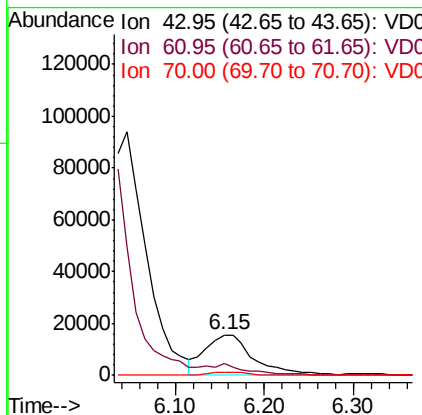
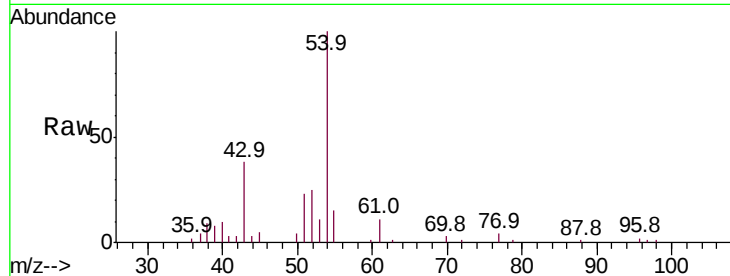
ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:	43	Resp:	56723
Ion	Ratio	Lower	Upper
43	100		
61	29.0	14.7	22.1#
70	8.6	7.8	11.6

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#38

Carbon Tetrachloride

Concen: 56.561 ug/l m

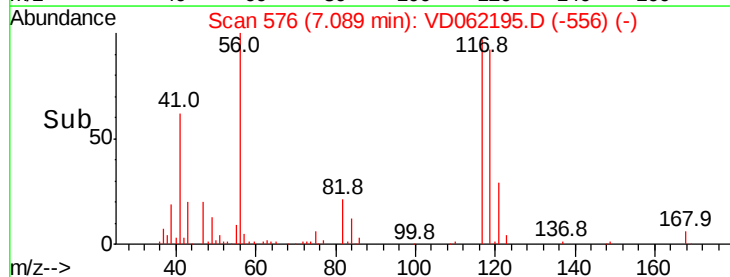
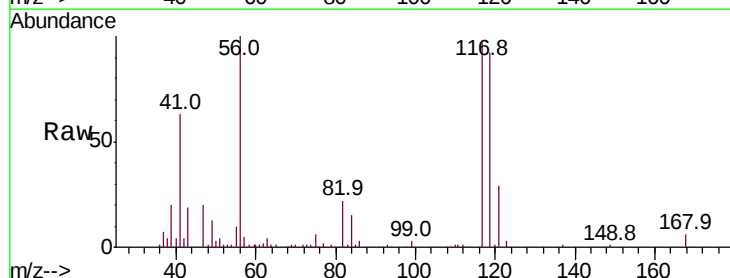
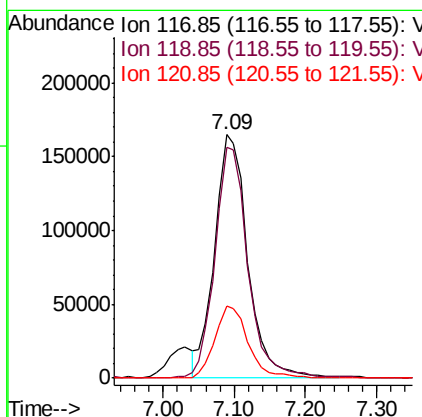
RT: 7.09 min Scan# 576

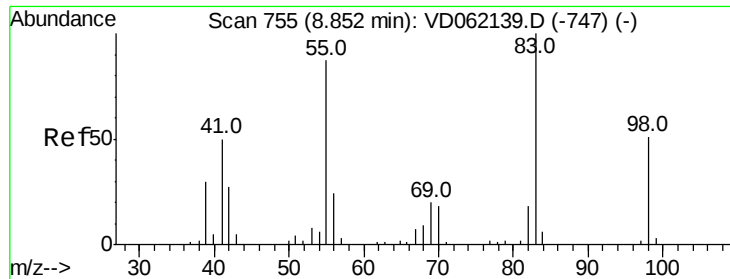
Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Tgt Ion:	117	Resp:	534457
Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.8	113.8
121	29.8	25.9	38.9





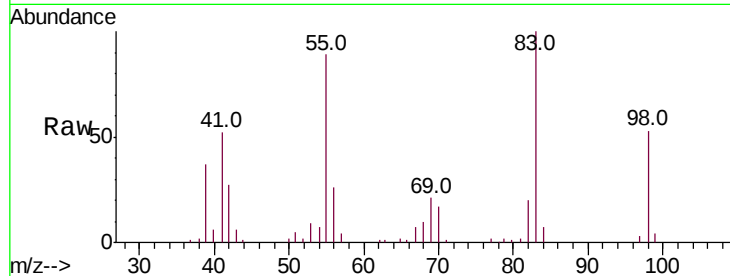
#39
Methvlcvclohexane
Concen: 30.154 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

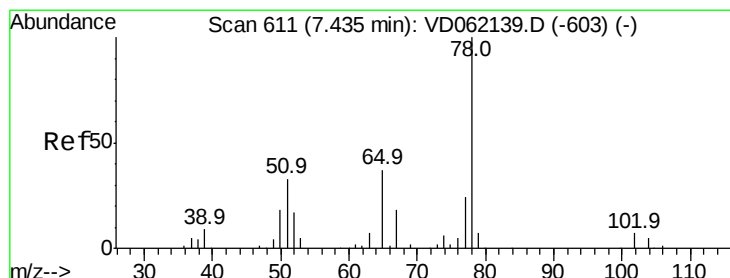
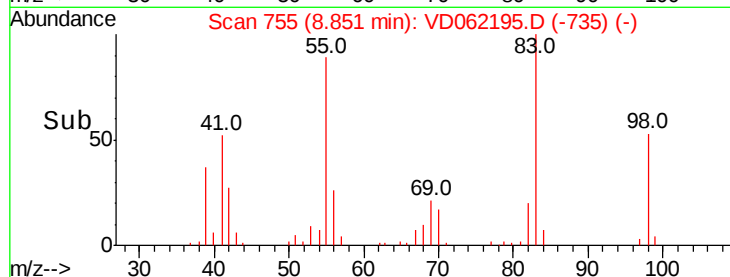
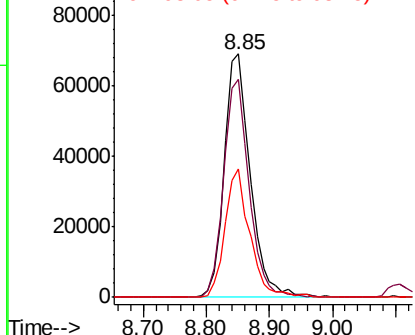
Tot Ion: 83 Resp: 197240
Ion Ratio Lower Upper
83 100
55 89.4 68.2 102.4
98 52.9 38.2 57.4

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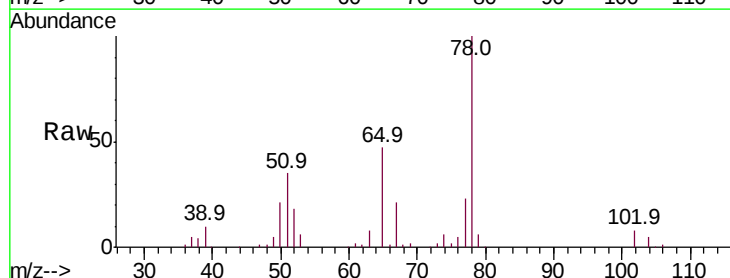


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

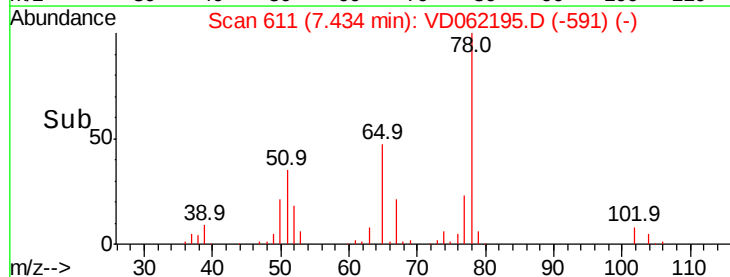
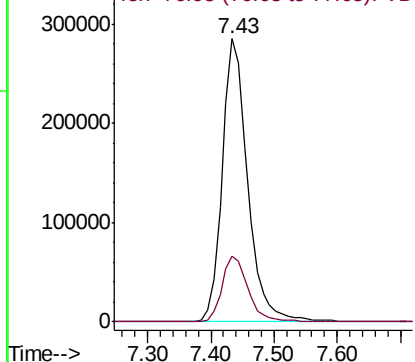


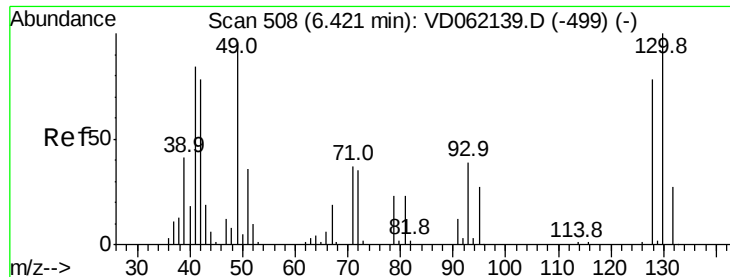
#40
Benzene
Concen: 51.677 ug/l
RT: 7.43 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion: 78 Resp: 796658
Ion Ratio Lower Upper
78 100
77 23.3 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





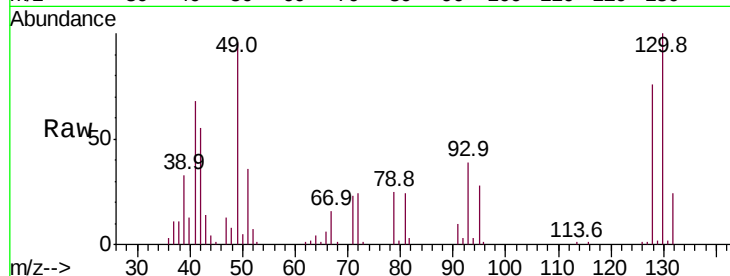
#41
Methacrylonitrile
Concen: 50.018 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

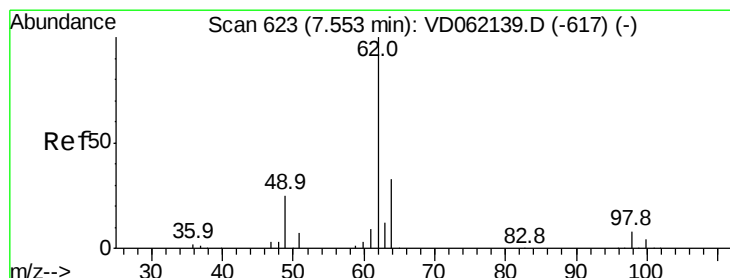
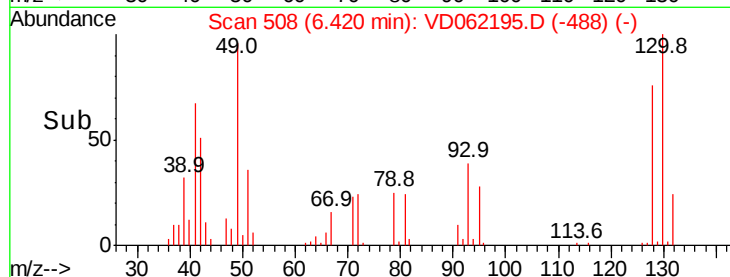
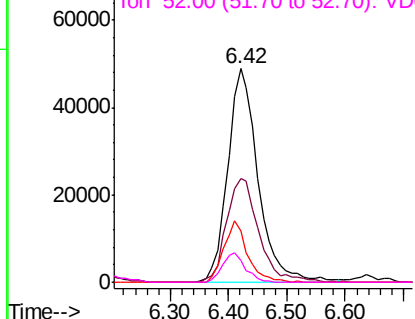
Tot Ion	41	Resp	176968
Ion	Ratio	Lower	Upper
41	100		
39	48.3	34.1	51.1
67	24.1	23.8	35.6
52	10.0	8.8	13.2

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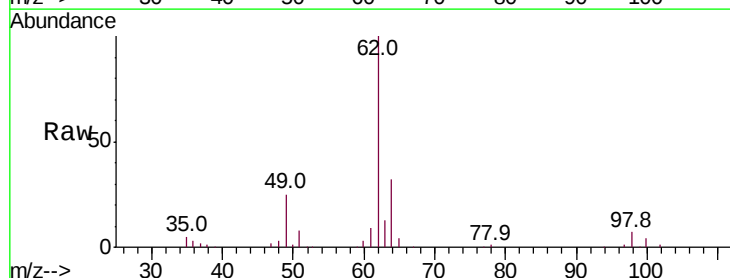


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

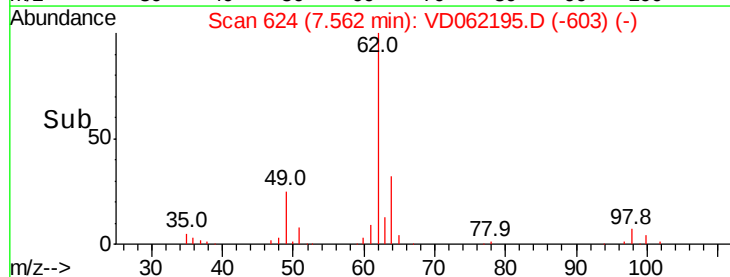
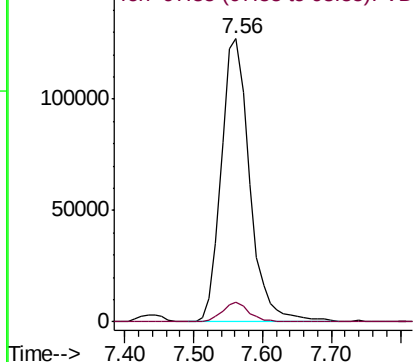


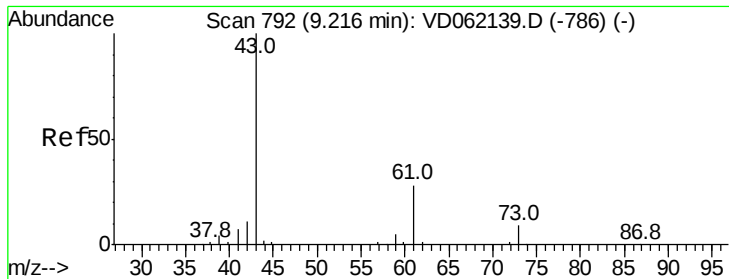
#42
1,2-Dichloroethane
Concen: 55.972 ug/l
RT: 7.56 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion	62	Resp	365585
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	17.8



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





#43

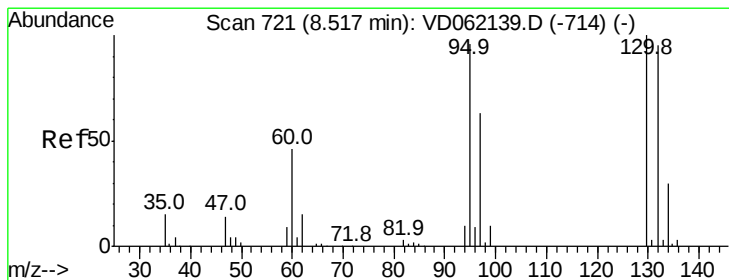
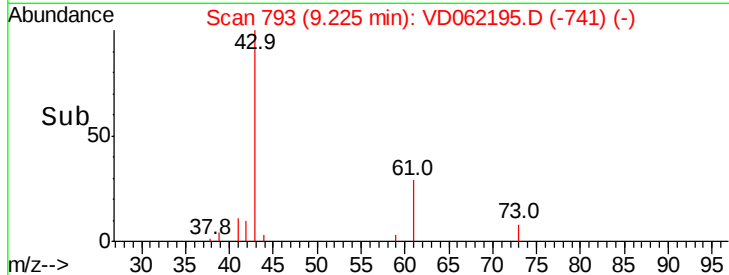
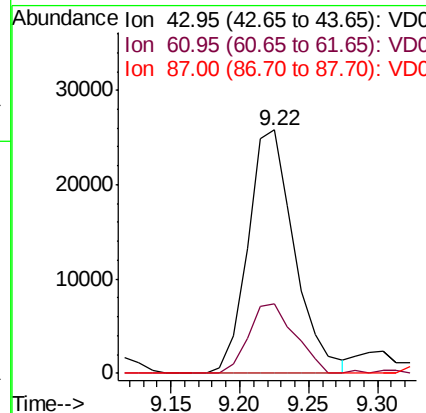
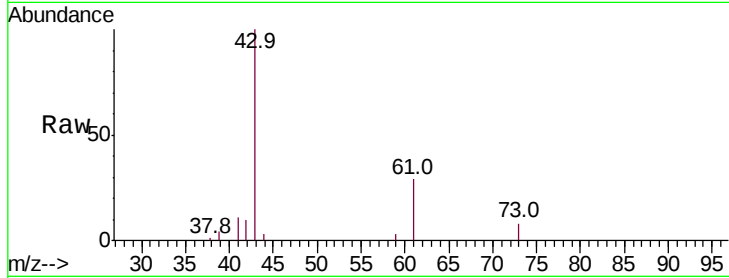
Isopropyl Acetate
 Concen: 14.711 ug/l
 RT: 9.22 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	25.1	37.7
87	0.0	0.0	0.0

Manual Integrations
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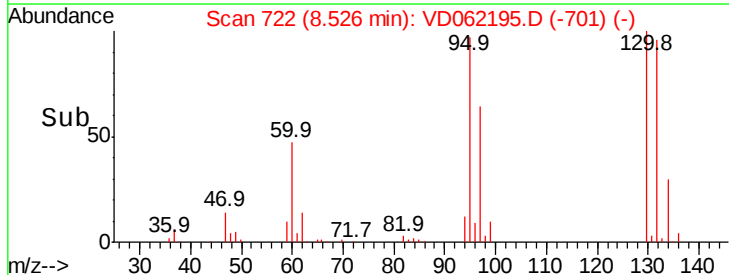
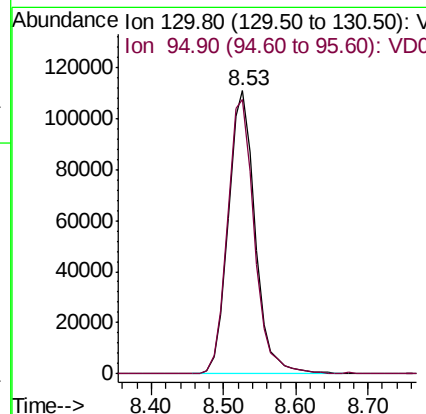
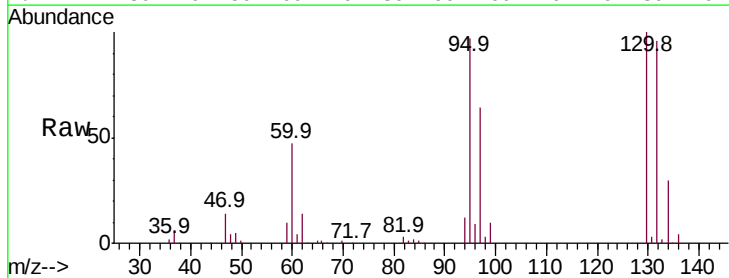
MMDadoda
 5/10/2019 11:53:56 AM

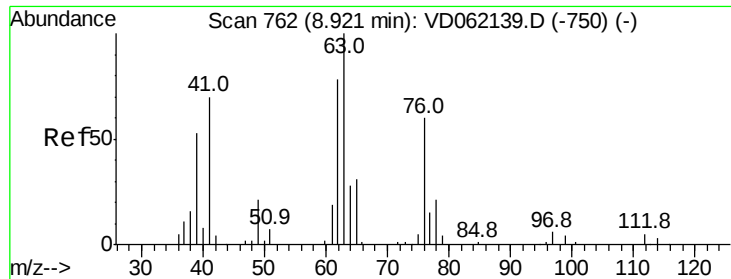


#44

Trichloroethene
 Concen: 48.591 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.01 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	174.0





#45

1,2-Dichloropropane

Concen: 49.139 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 63 Resp: 187375

Ion Ratio Lower Upper

63 100

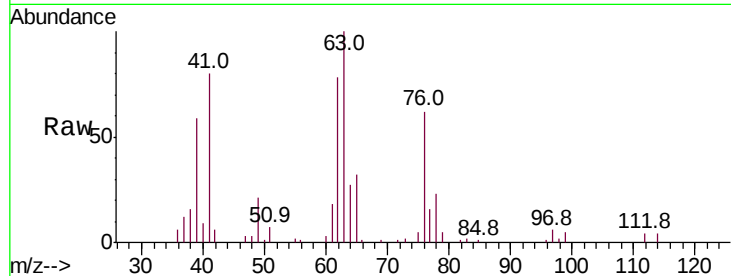
65 32.2 23.8 35.6

Manual Integrations

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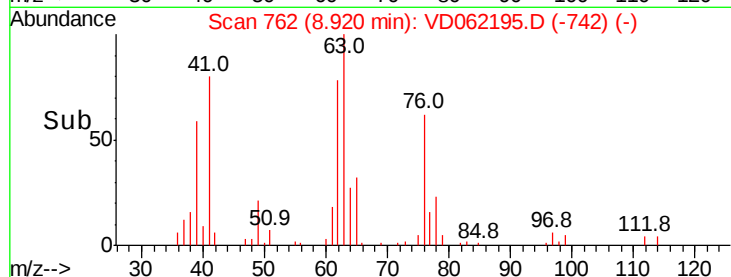
5/10/2019 11:53:56 AM



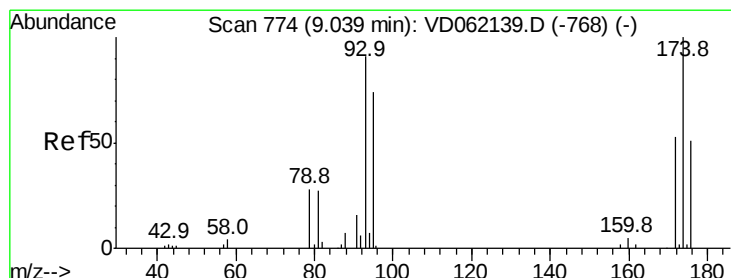
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92



Time-->



#46

Dibromomethane

Concen: 50.577 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

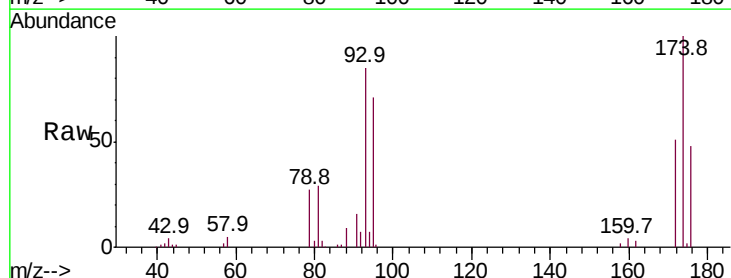
Tgt Ion: 93 Resp: 156830

Ion Ratio Lower Upper

93 100

95 83.6 64.8 97.2

174 117.9 79.3 118.9

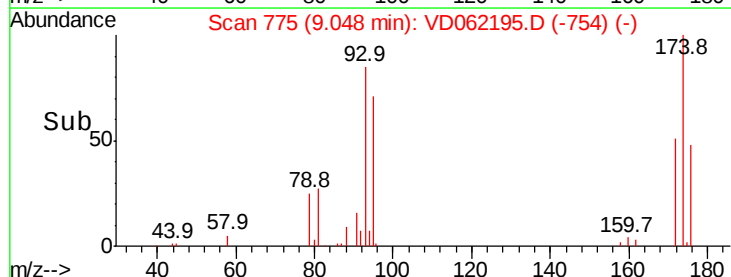


Abundance Ion 92.90 (92.60 to 93.60): VDC

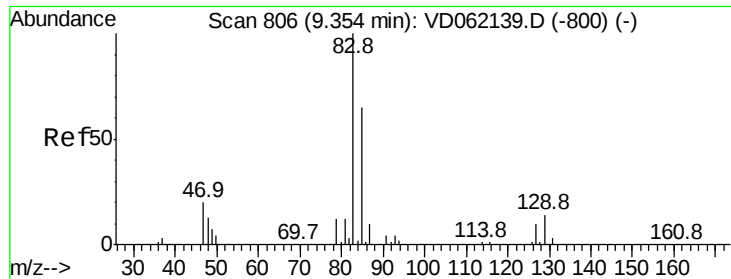
Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

9.05



Time-->



#47

Bromodichloromethane

Concen: 53.792 ug/l

RT: 9.36 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

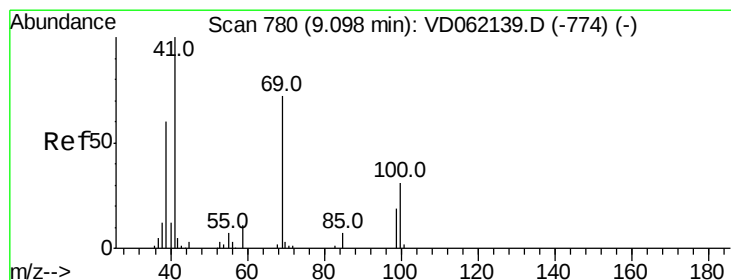
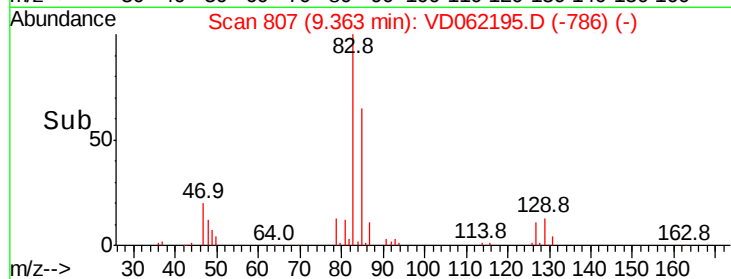
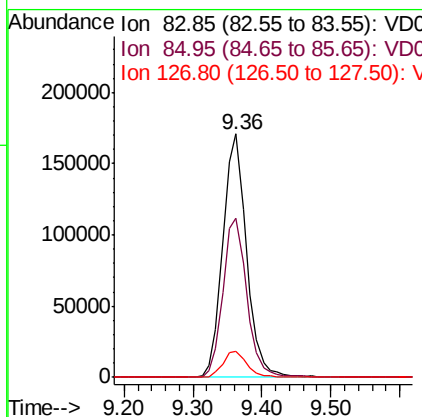
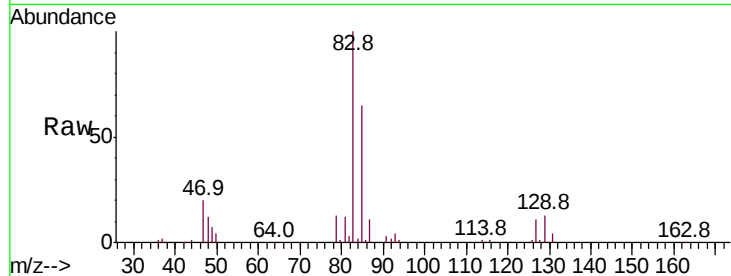
ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:	83	Resp:	407999
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3
127	10.7	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 63.055 ug/l

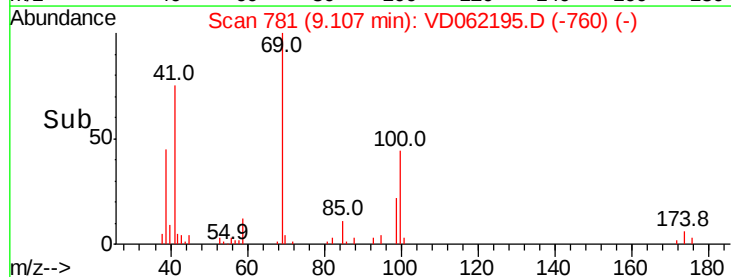
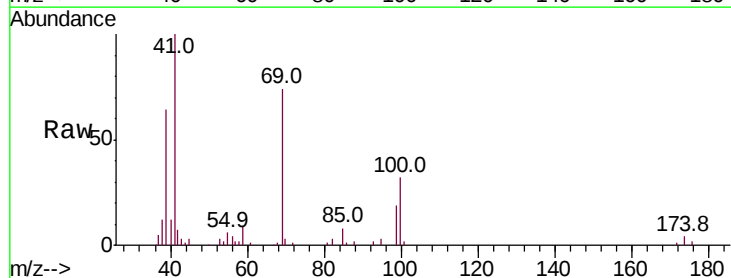
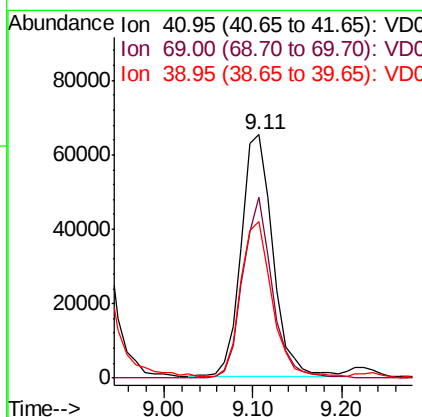
RT: 9.11 min Scan# 781

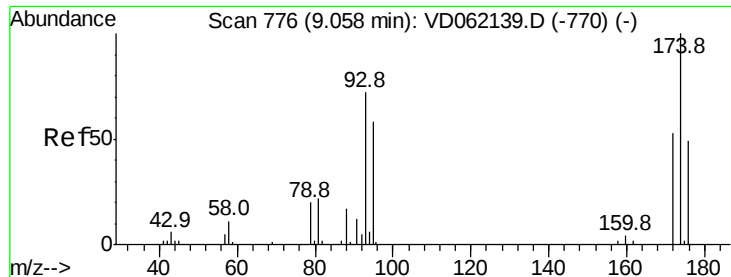
Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Tgt Ion:	41	Resp:	159477
Ion	Ratio	Lower	Upper
41	100		
69	74.2	64.2	96.2
39	64.2	46.8	70.2





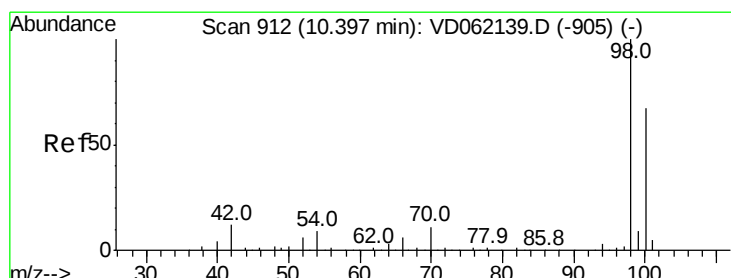
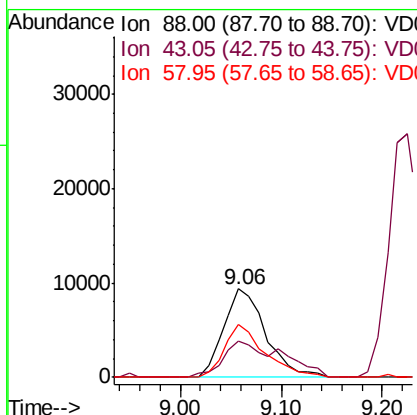
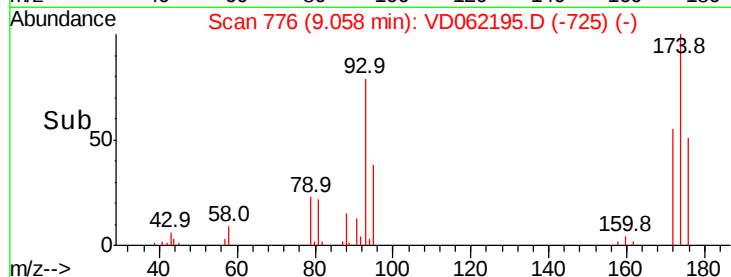
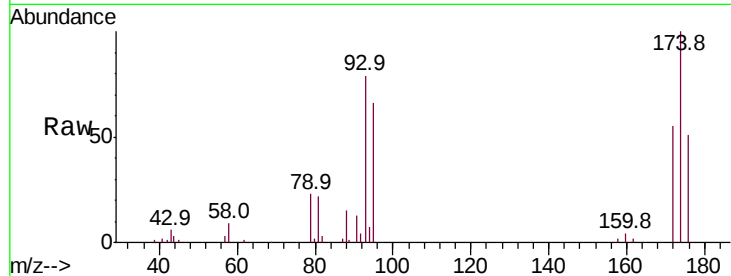
#49
 1,4-Dioxane
 Concen: 991.840 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	23.4	35.0#
58	59.7	44.0	66.0

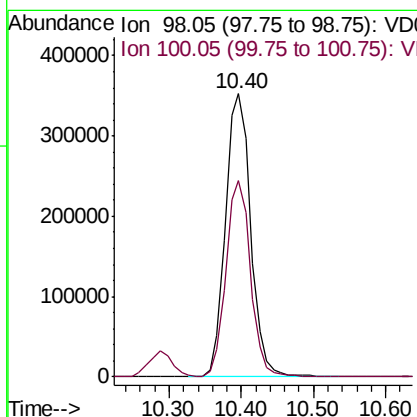
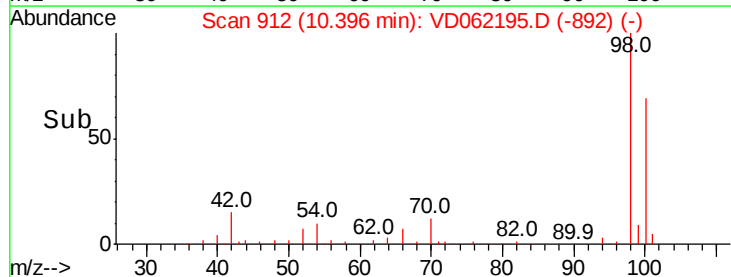
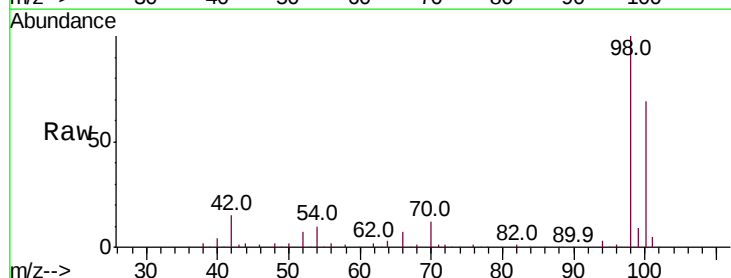
Manual Integrations
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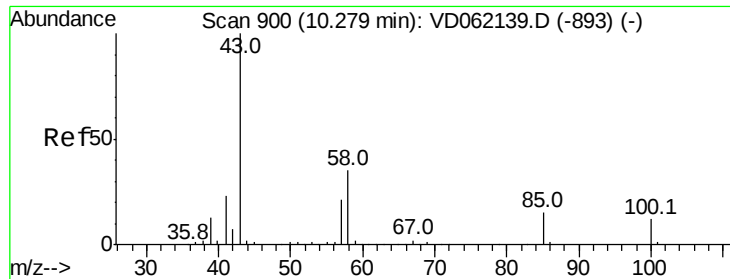
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#50
 Toluene-d8
 Concen: 51.322 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.3	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 230.287 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 43 Resp: 607826

Ion Ratio Lower Upper

43 100

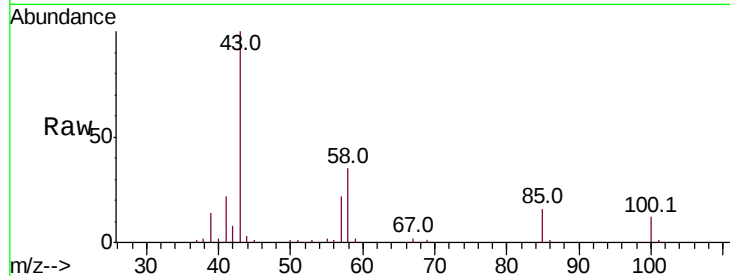
58 35.4 30.4 45.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

250000

200000

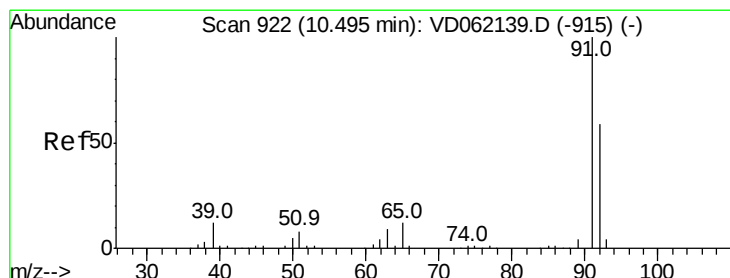
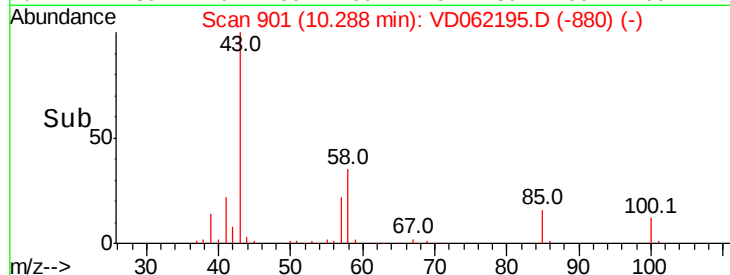
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 47.083 ug/l

RT: 10.49 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD062195.D

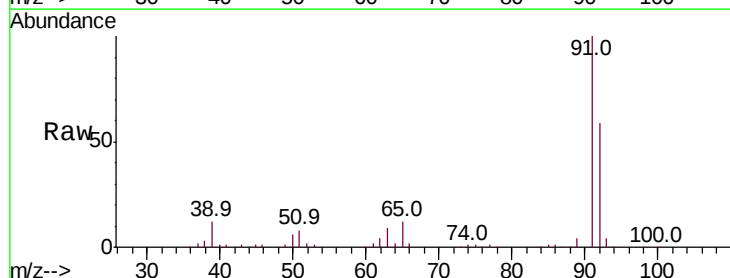
Acq: 9 May 2019 18:34

Tgt Ion: 92 Resp: 472263

Ion Ratio Lower Upper

92 100

91 170.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.49

400000

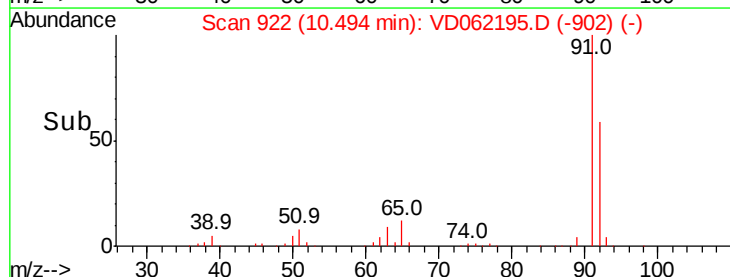
300000

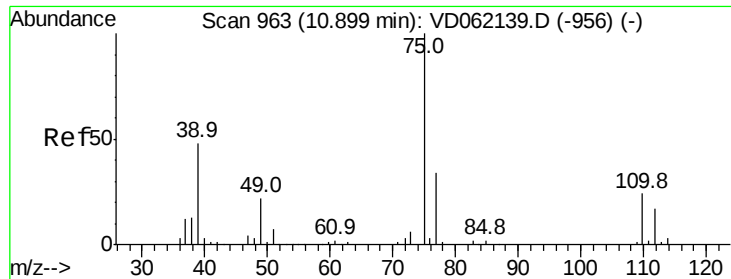
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.812 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 75 Resp: 306871

Ion Ratio Lower Upper

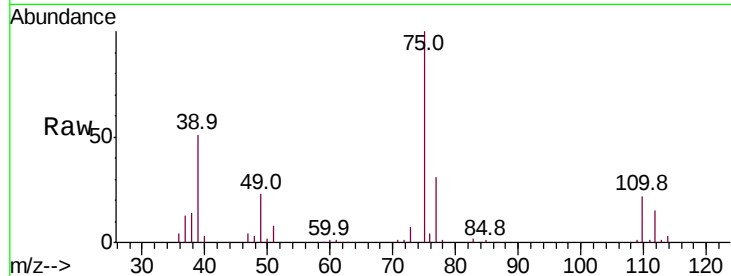
75 100

77 31.4 25.8 38.8

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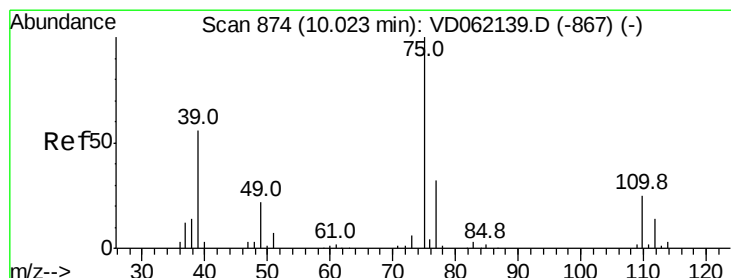
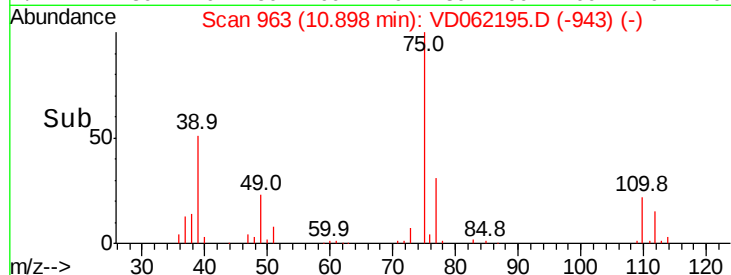
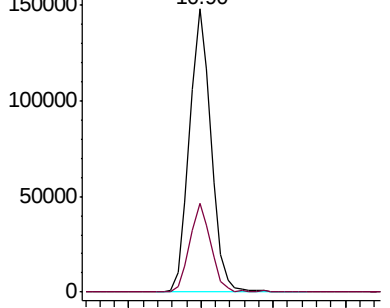
MMDadoda

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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: 48.980 ug/l

RT: 10.02 min Scan# 874

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

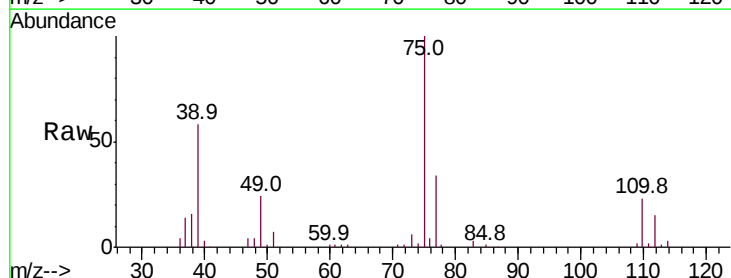
Tgt Ion: 75 Resp: 350275

Ion Ratio Lower Upper

75 100

77 33.7 25.5 38.3

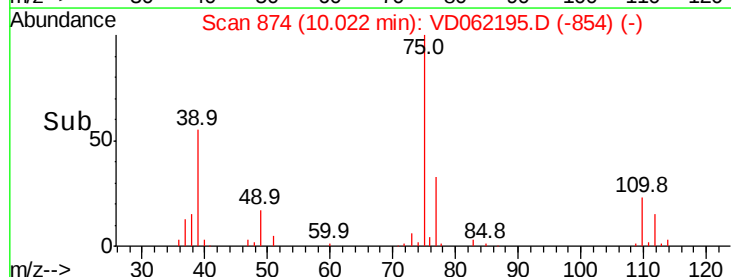
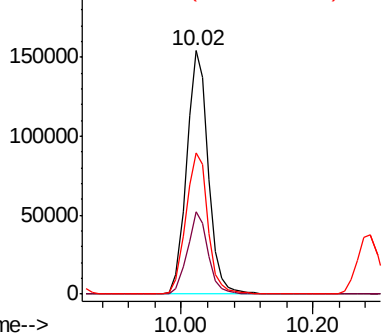
39 57.8 39.4 59.2

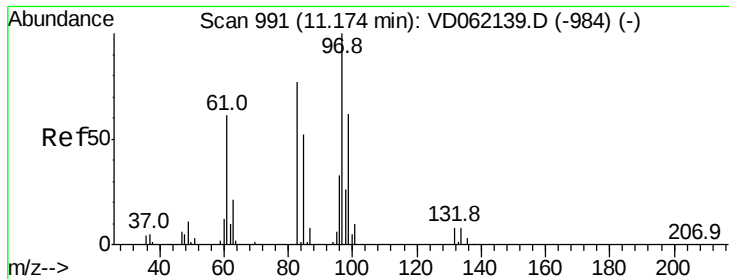


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 50.777 ug/l

RT: 11.17 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 97 Resp: 180206

Ion Ratio Lower Upper

97 100

83 83.1 65.7 98.5

85 53.7 45.6 68.4

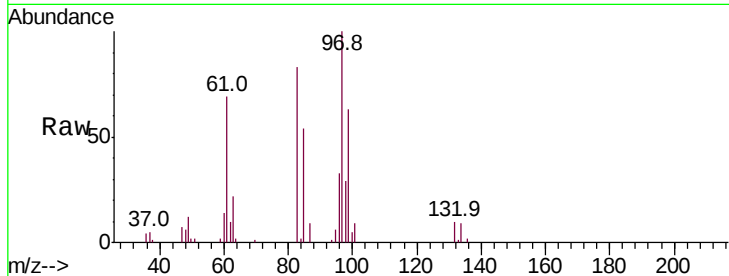
99 63.1 48.4 72.6

Manual Integrations

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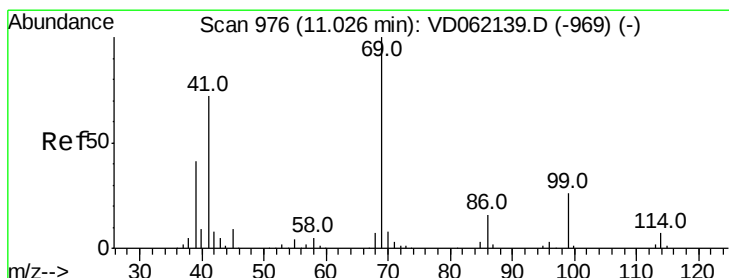
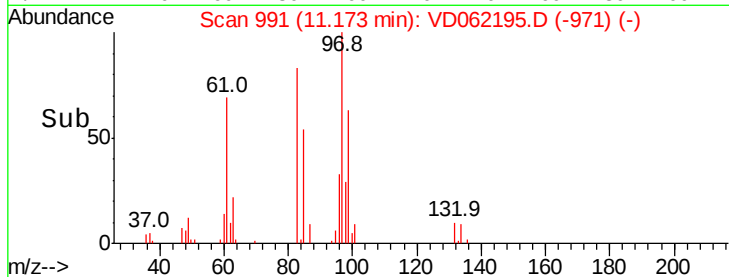
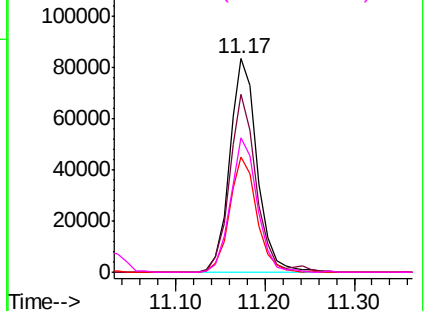


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 17.651 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

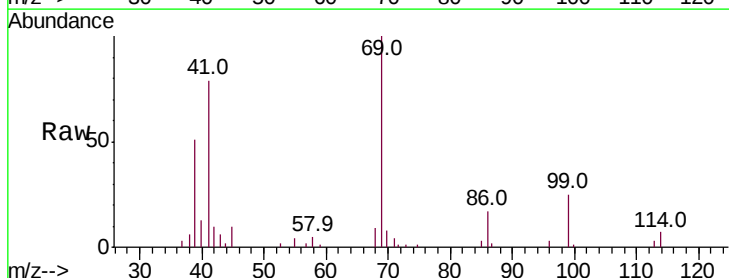
Tgt Ion: 69 Resp: 65094

Ion Ratio Lower Upper

69 100

41 79.5 56.3 84.5

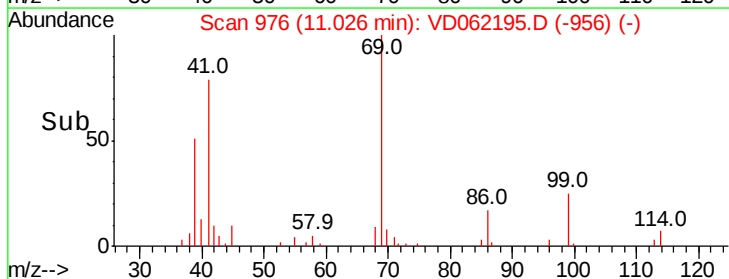
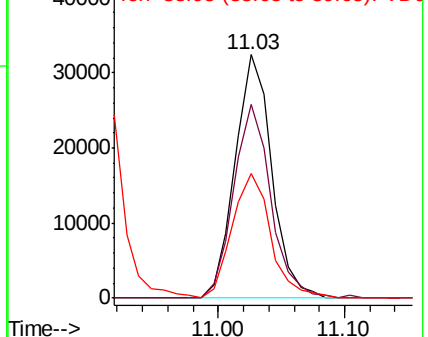
39 51.0 29.4 44.2#

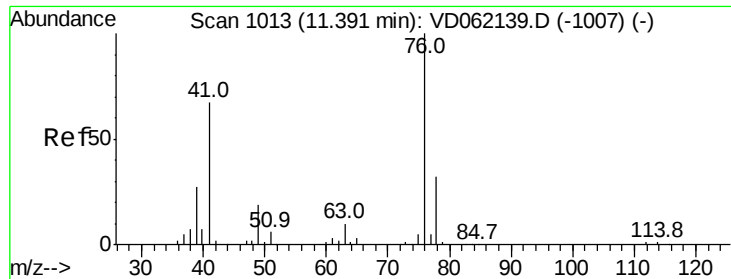


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.853 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :
MSVOA_D

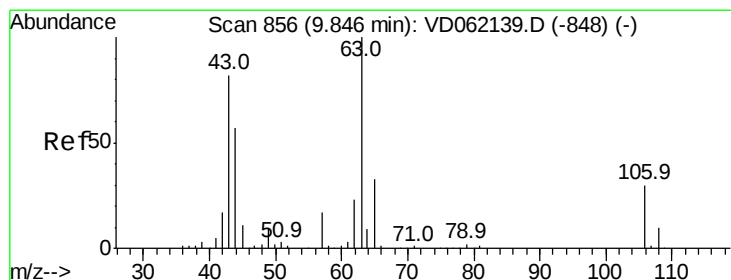
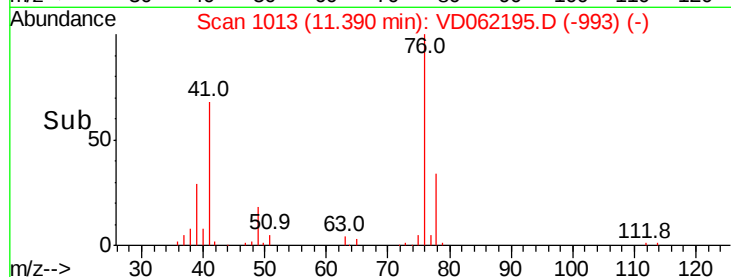
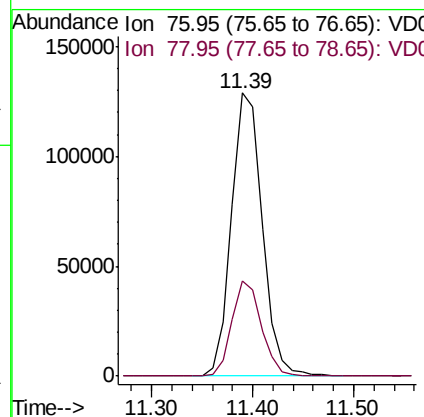
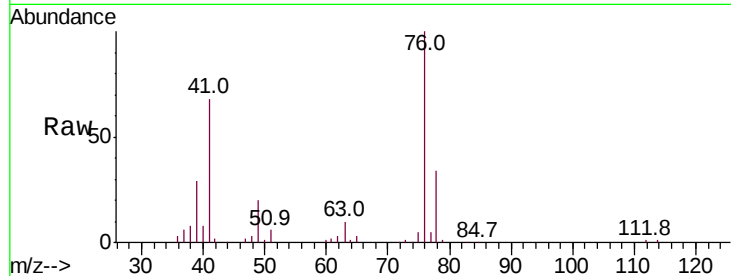
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 76 Resp: 272655

Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.2	39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 242.471 ug/l

RT: 9.84 min Scan# 856

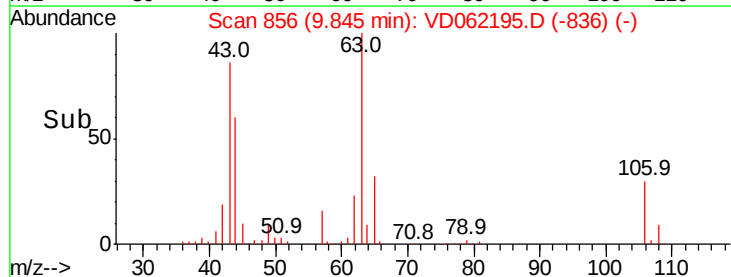
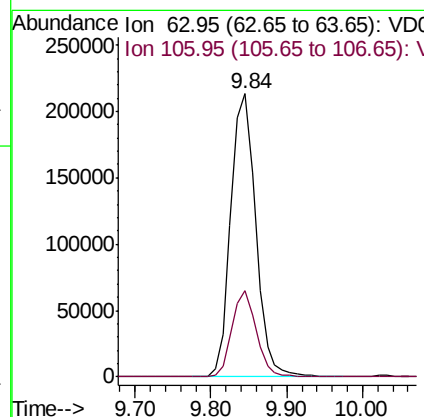
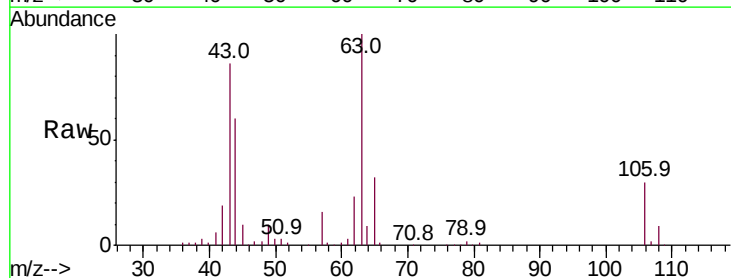
Delta R.T. -0.00 min

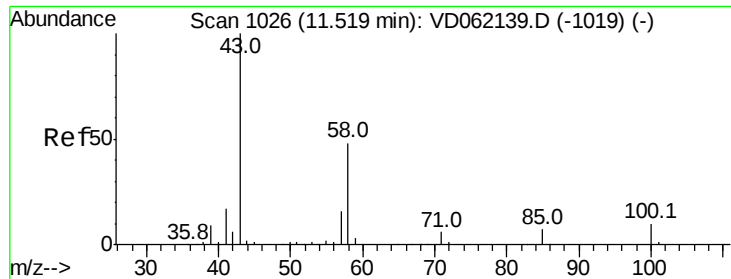
Lab File: VD062195.D

Acq: 9 May 2019 18:34

Tgt Ion: 63 Resp: 488450

Ion	Ratio	Lower	Upper
63	100		
106	30.4	22.6	34.0





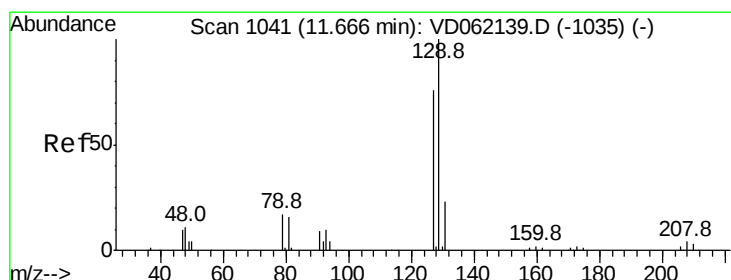
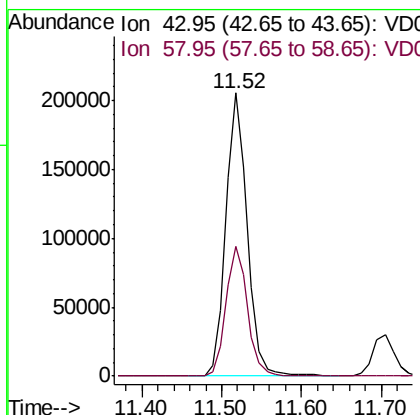
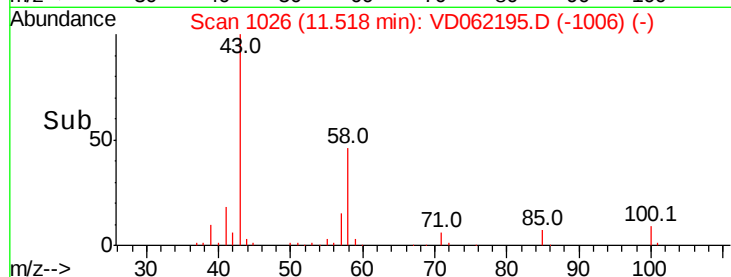
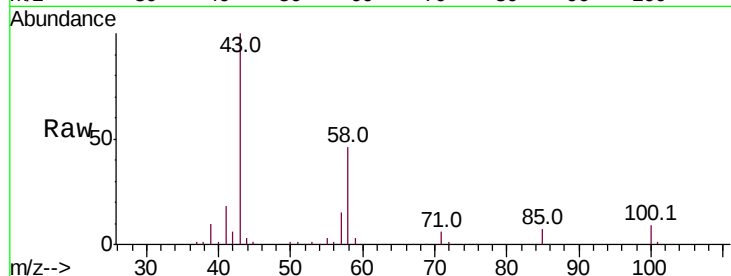
#59
2-Hexanone
Concen: 199.226 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 43 Resp: 387566
Ion Ratio Lower Upper
43 100
58 45.8 25.4 76.4

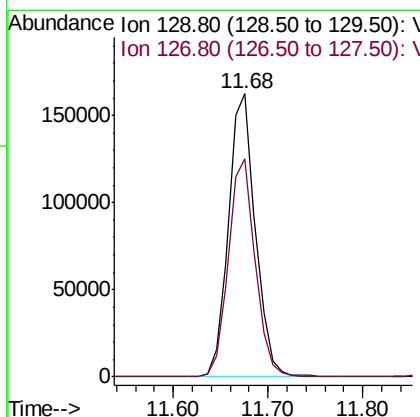
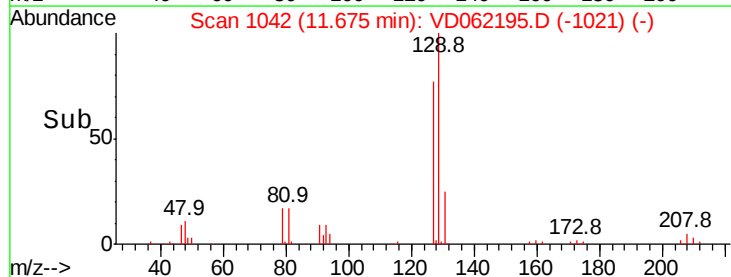
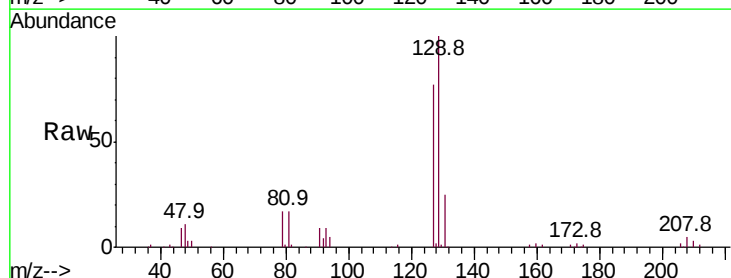
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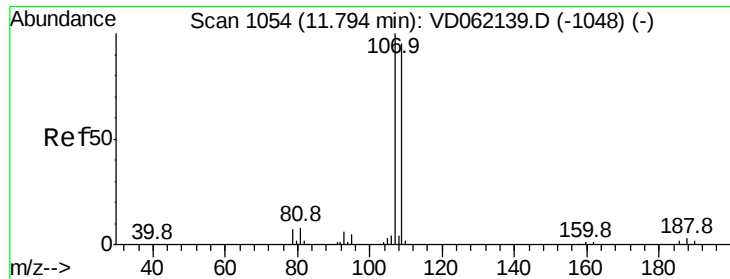
MMDadoda
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#60
Dibromochloromethane
Concen: 51.890 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion: 129 Resp: 318263
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9





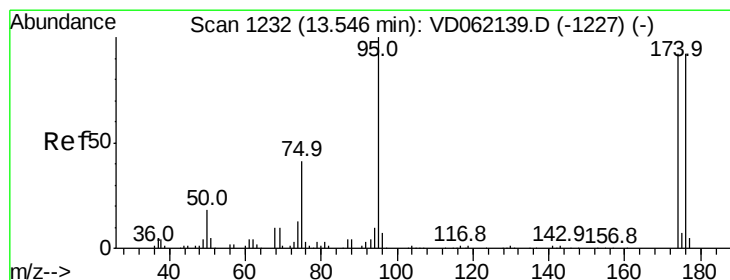
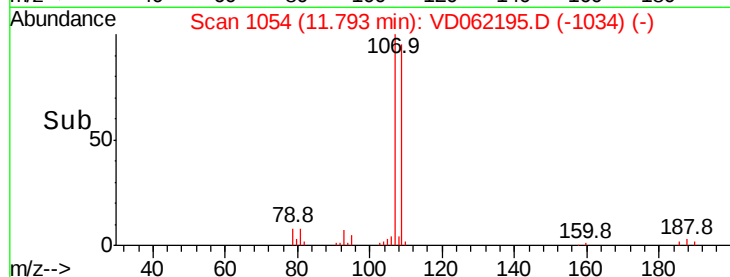
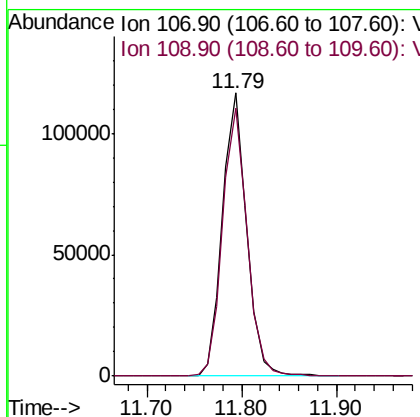
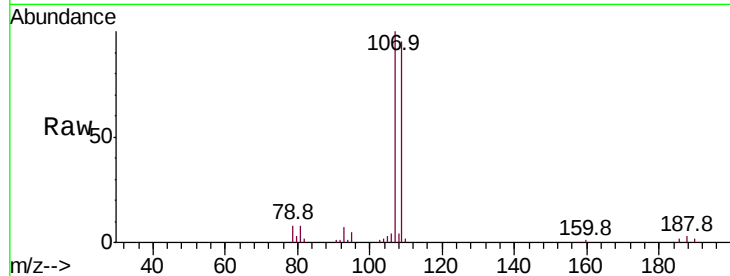
#61
1,2-Dibromoethane
Concen: 47.730 ug/l
RT: 11.79 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	78.3	117.5

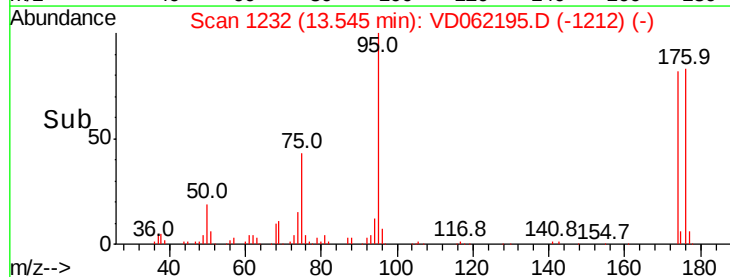
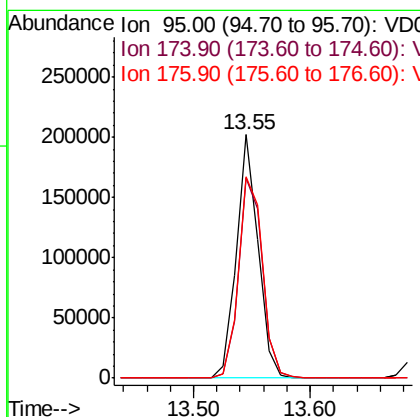
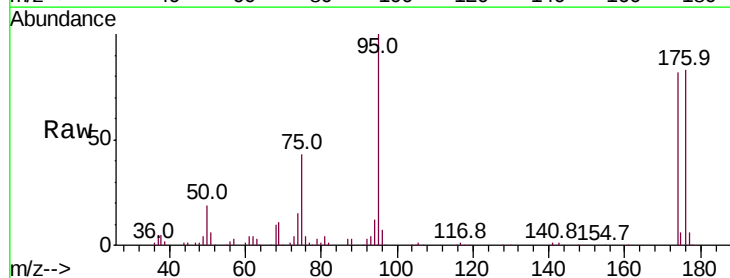
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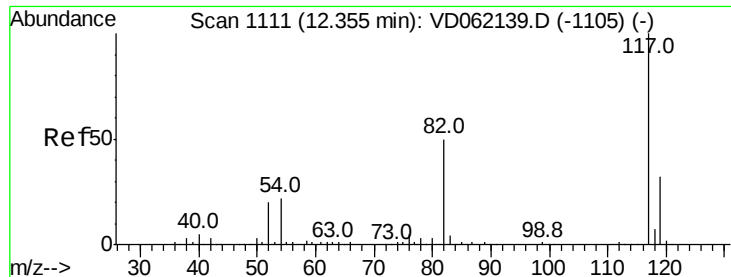
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#62
4-Bromofluorobenzene
Concen: 38.802 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	181.8
176	82.6	0.0	174.4





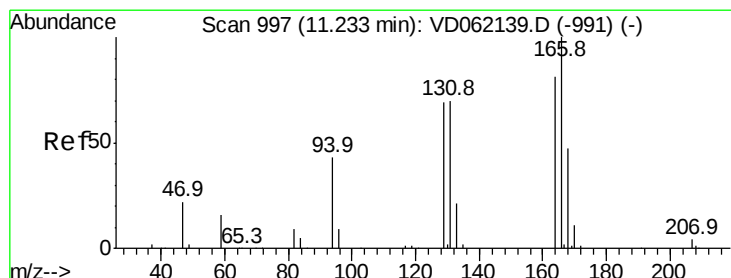
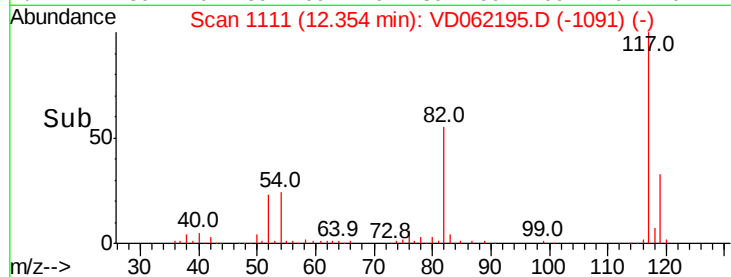
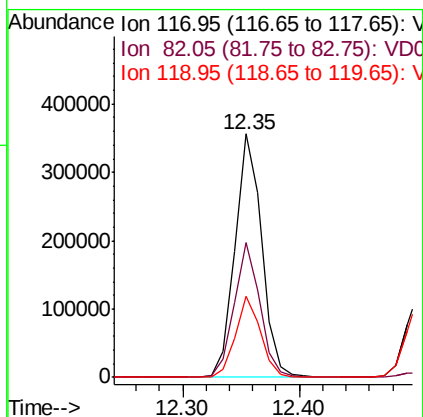
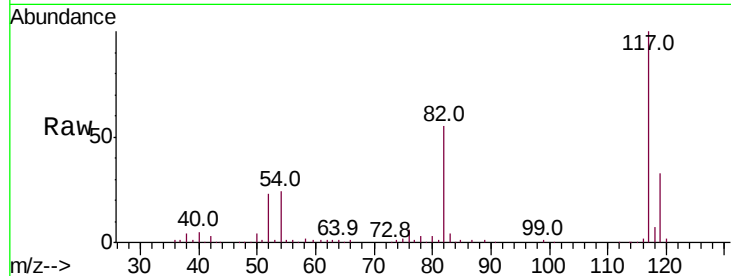
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	36.2	54.2#
119	33.2	26.2	39.4

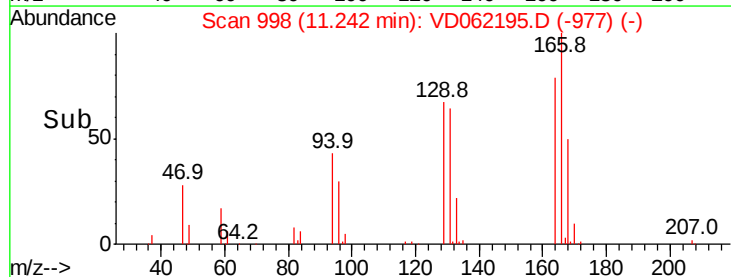
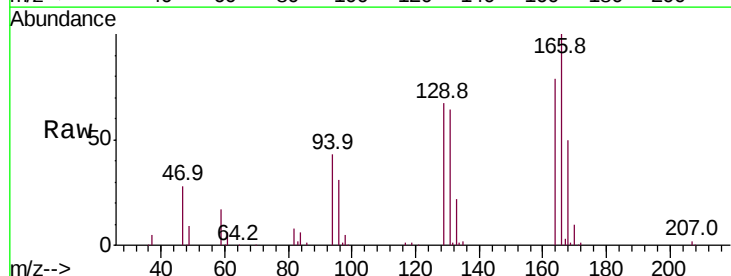
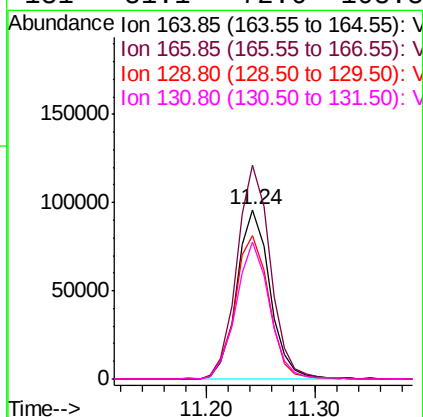
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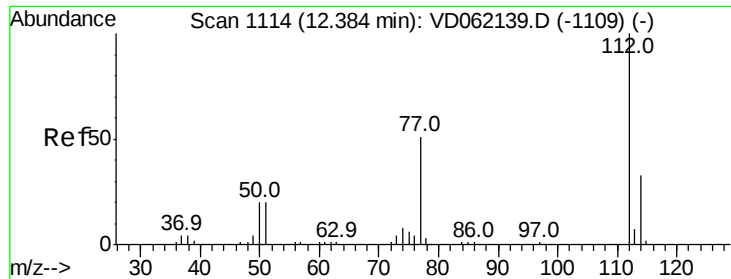
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#64
Tetrachloroethene
Concen: 46.311 ug/l
RT: 11.24 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.5	152.3
129	85.0	74.6	112.0
131	81.1	72.6	108.8





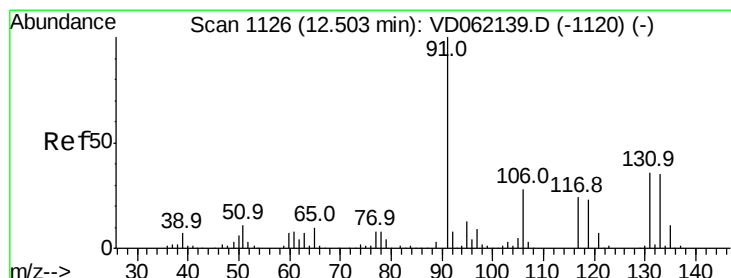
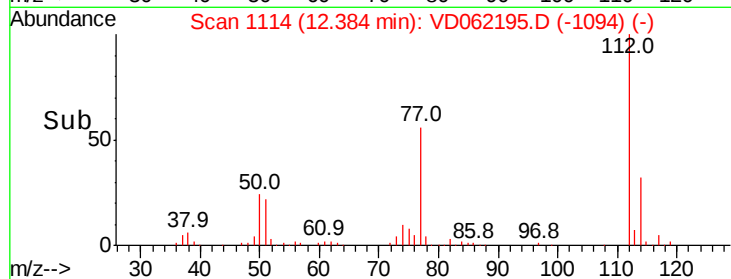
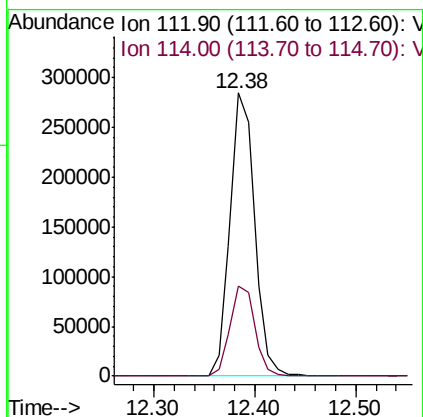
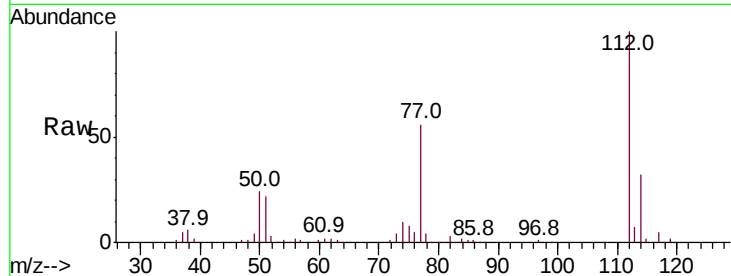
#65
Chlorobenzene
Concen: 45.746 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion:112 Resp: 480964
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

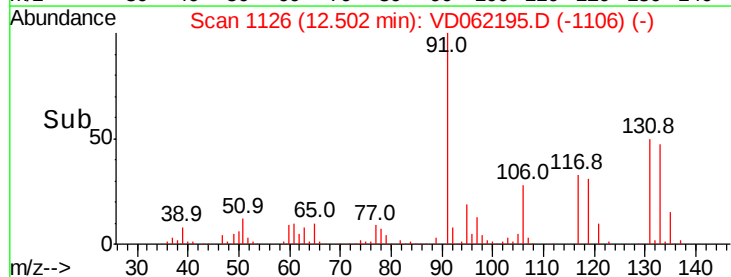
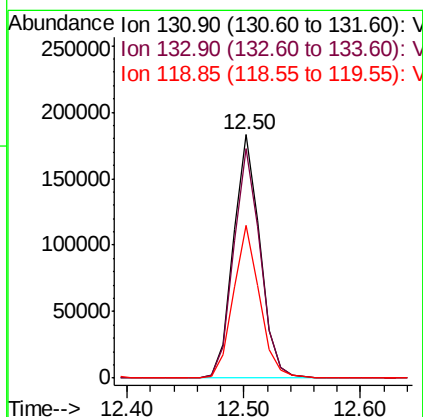
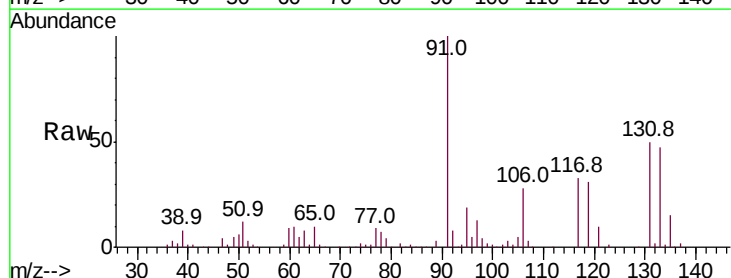
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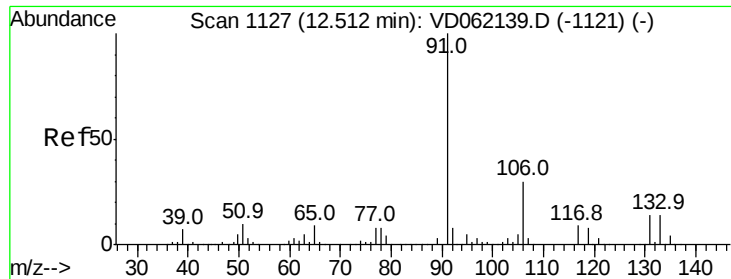
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#66
1,1,1,2-Tetrachloroethane
Concen: 63.325 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion:131 Resp: 289757
Ion Ratio Lower Upper
131 100
133 94.3 48.6 145.8
119 62.7 34.7 104.1





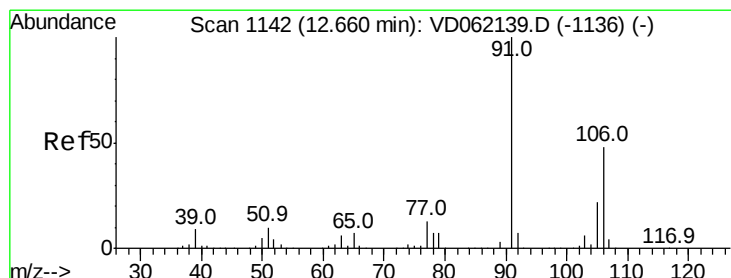
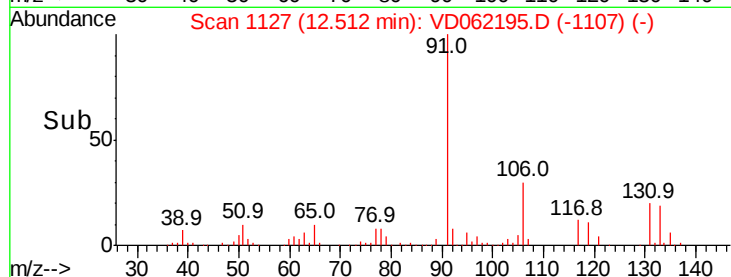
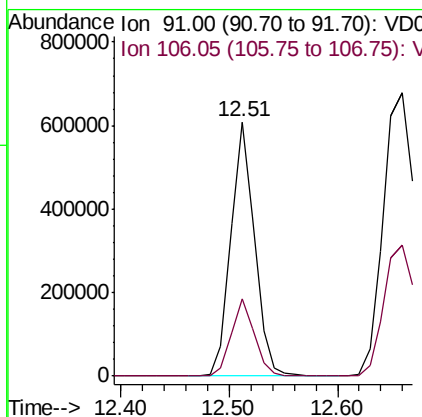
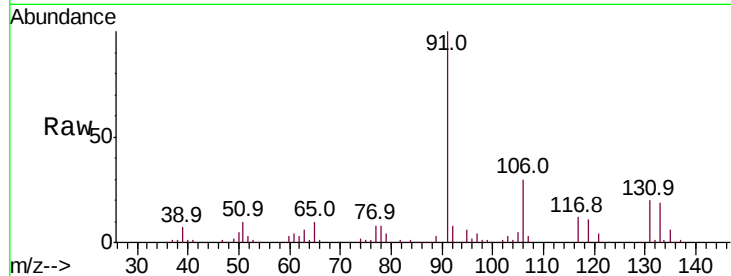
#67
Ethyl Benzene
Concen: 52.788 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 91 Resp: 929158
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

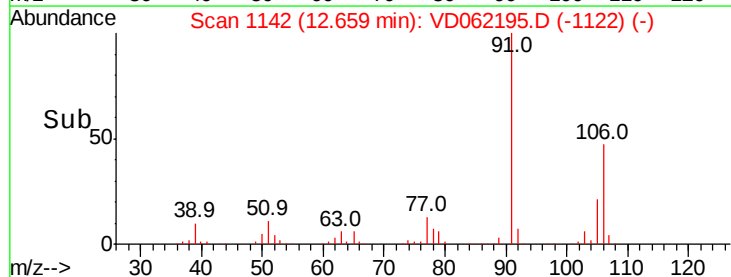
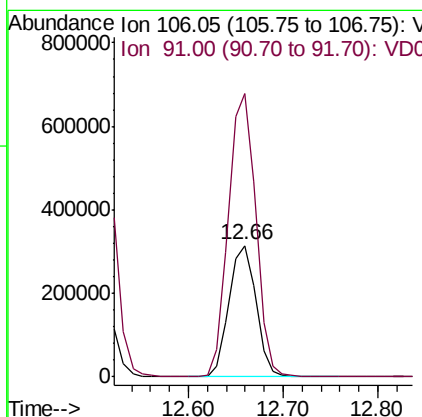
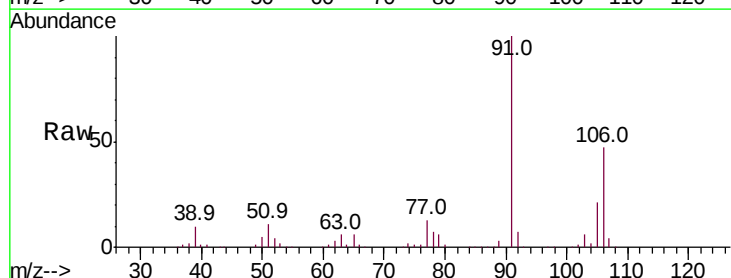
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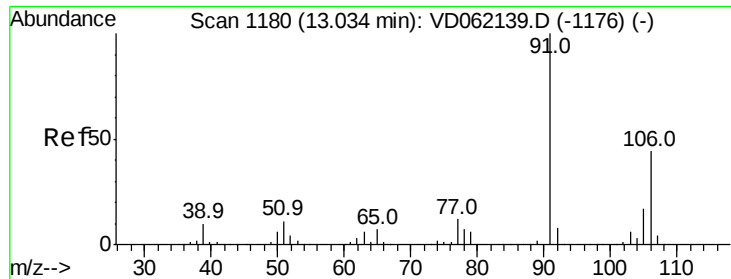
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#68
m/p-Xylenes
Concen: 97.614 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion: 106 Resp: 625111
Ion Ratio Lower Upper
106 100
91 215.0 164.0 246.0





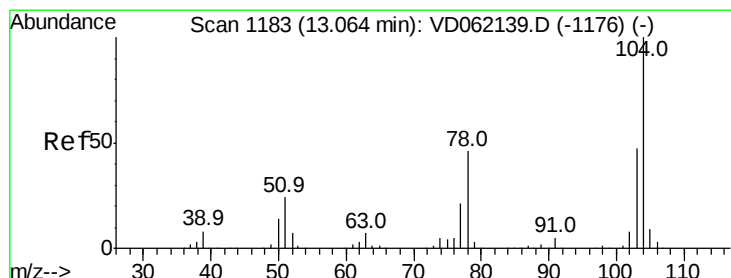
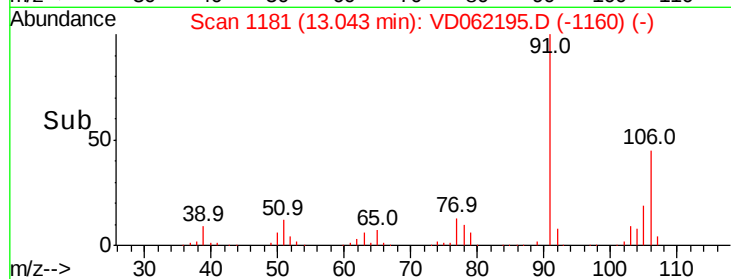
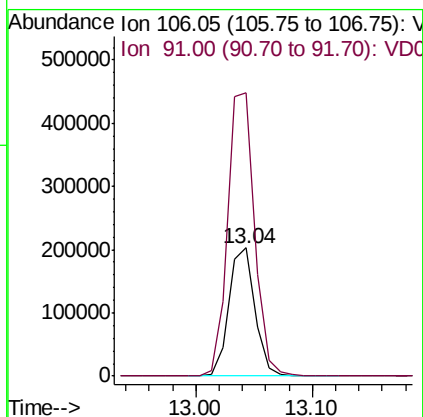
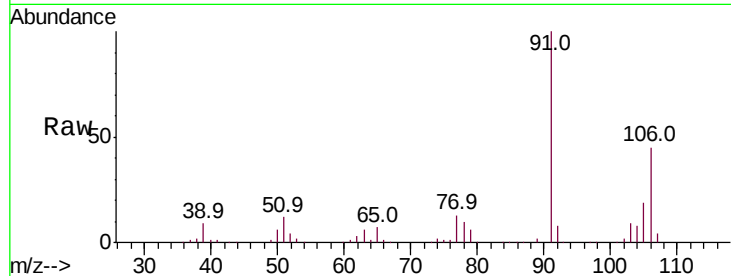
#69
o-Xylene
Concen: 52.913 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion:106 Resp: 315025
Ion Ratio Lower Upper
106 100
91 220.8 106.7 319.9

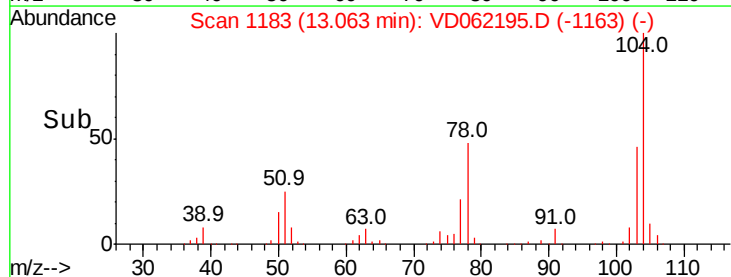
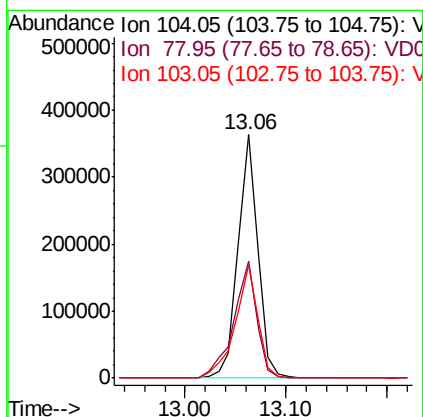
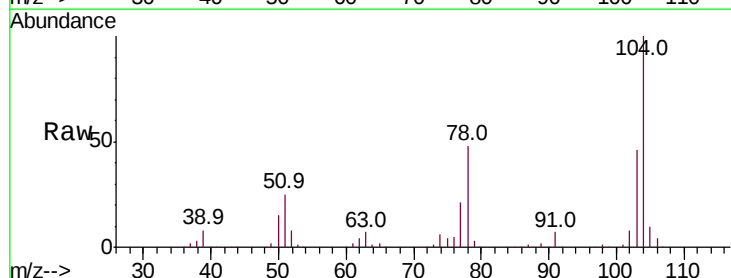
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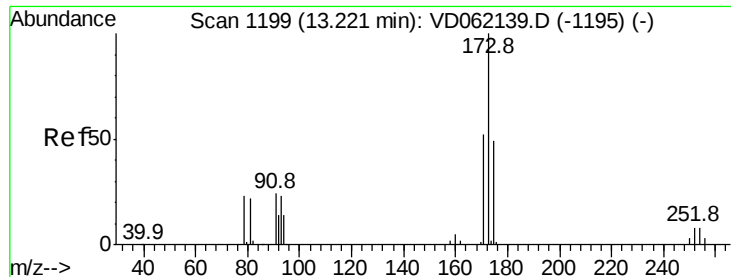
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#70
Styrene
Concen: 48.941 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion:104 Resp: 493598
Ion Ratio Lower Upper
104 100
78 48.3 35.4 53.2
103 46.2 37.5 56.3





#71

Bromoform

Concen: 54.935 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

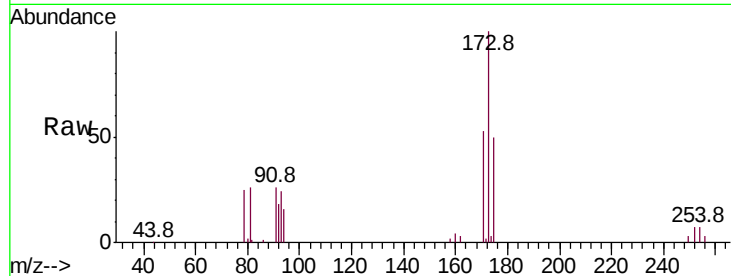
ClientSampleId :

P026-SS002-1218-01MS

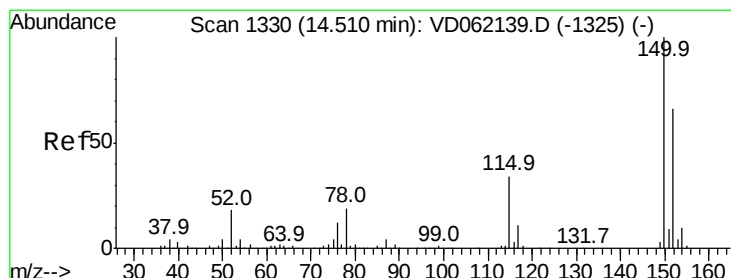
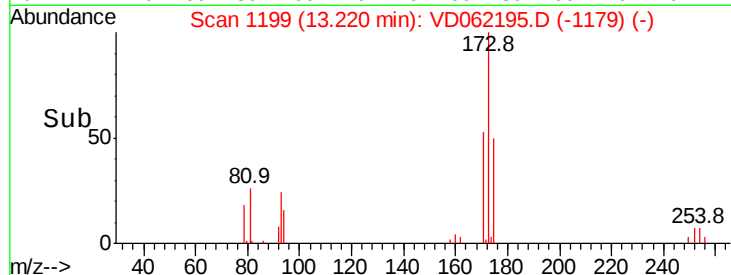
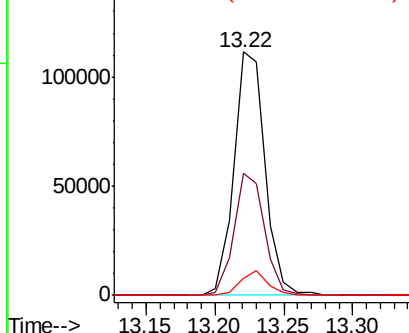
Tot Ion:	173	Resp:	174887
Ion Ratio	Lower	Upper	
173	100		
175	50.0	24.4	73.4
254	6.9	5.4	8.2

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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

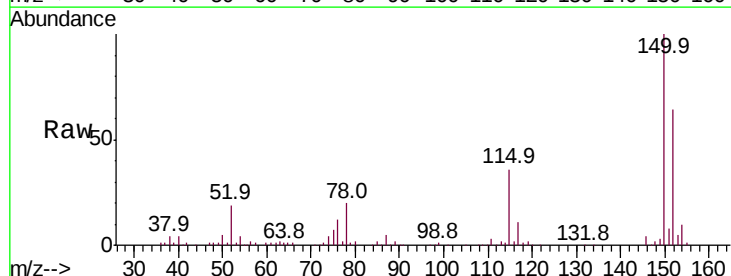
RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

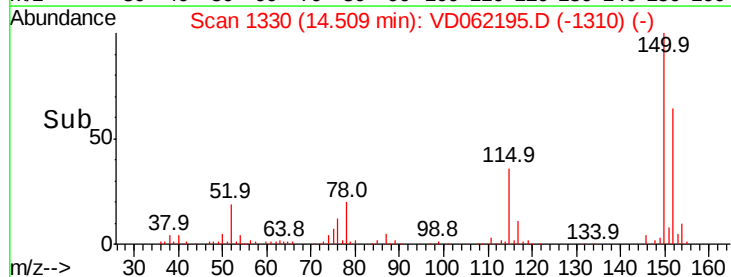
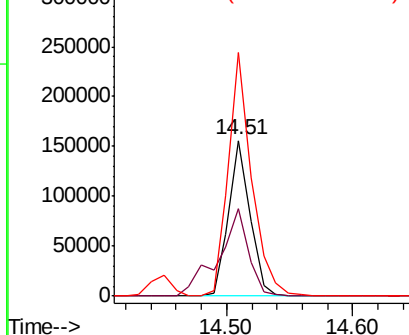
Lab File: VD062195.D

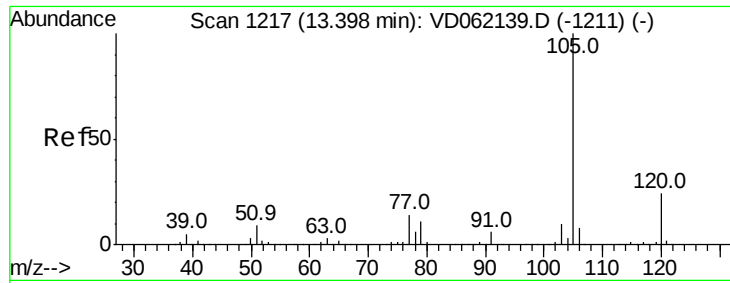
Acq: 9 May 2019 18:34

Tgt Ion:	152	Resp:	183545
Ion Ratio	Lower	Upper	
152	100		
115	55.8	30.9	92.7
150	156.2	0.0	314.8



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





#73

Isopropylbenzene

Concen: 70.223 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:105 Resp: 772609

Ion Ratio Lower Upper

105 100

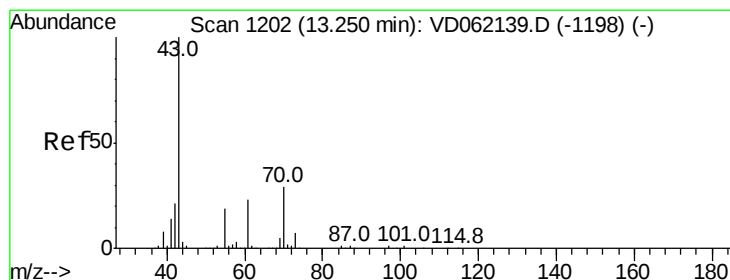
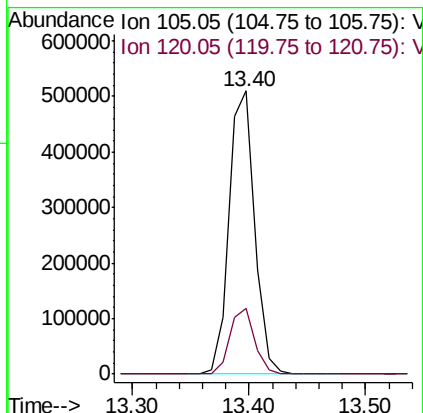
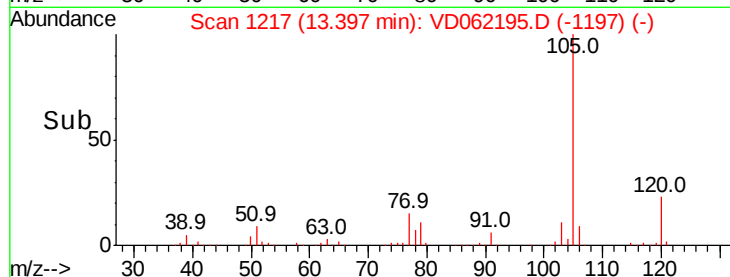
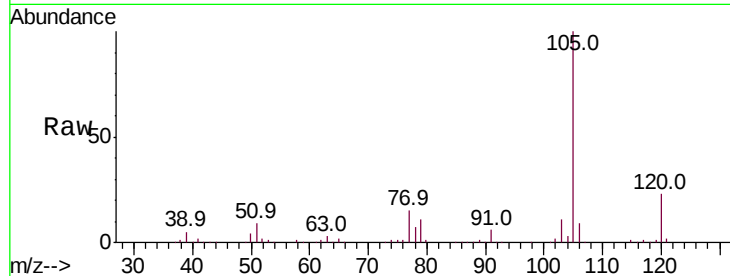
120 23.1 12.0 36.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 15.506 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Tgt Ion: 43 Resp: 44728

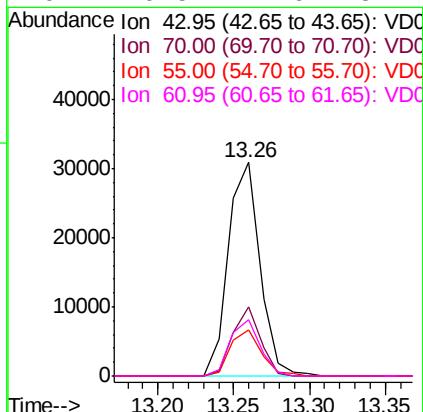
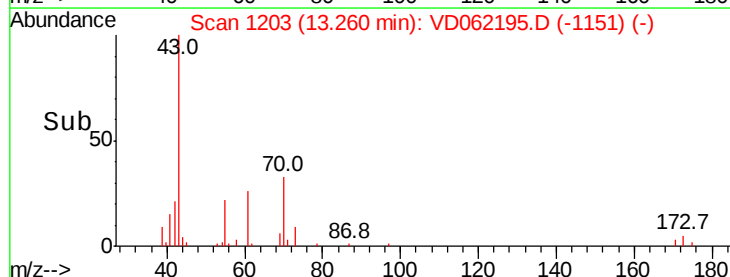
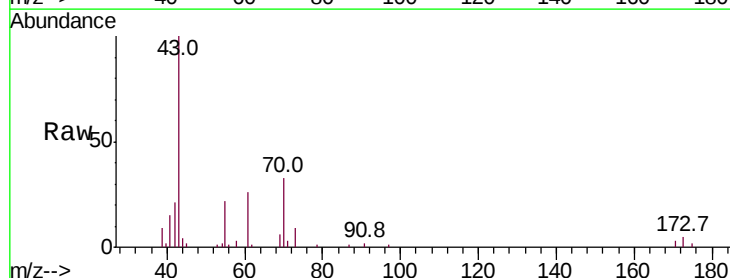
Ion Ratio Lower Upper

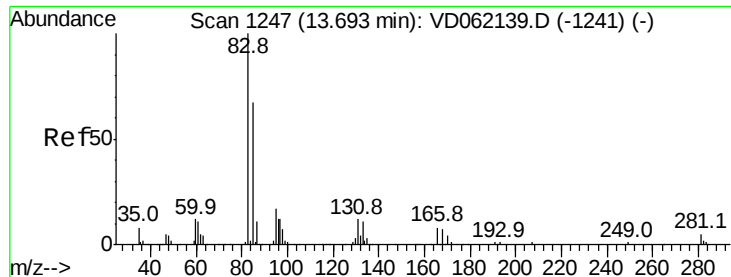
43 100

70 32.5 24.2 36.4

55 21.5 16.0 24.0

61 26.5 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 81.642 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

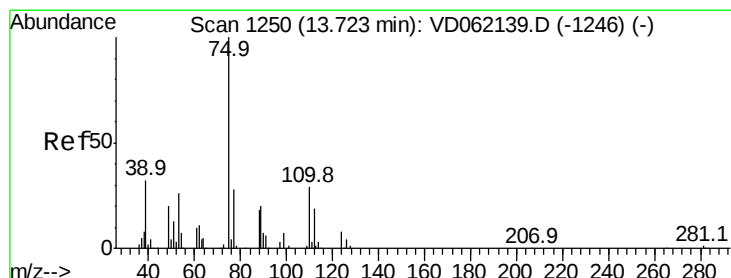
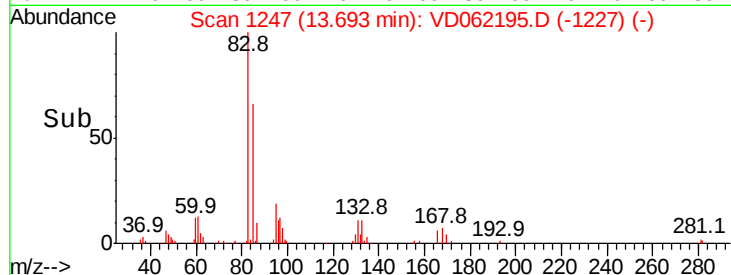
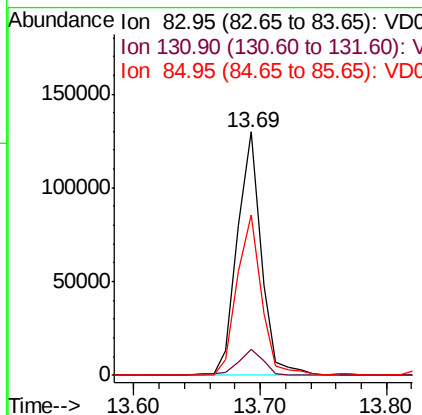
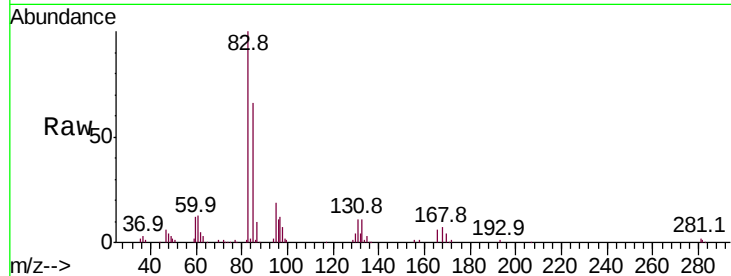
ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:	83	Resp:	170050
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	66.1	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 81.792 ug/l

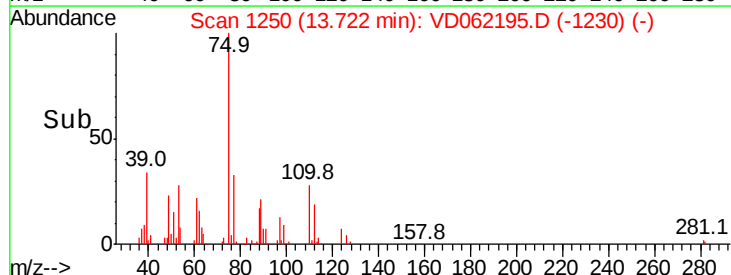
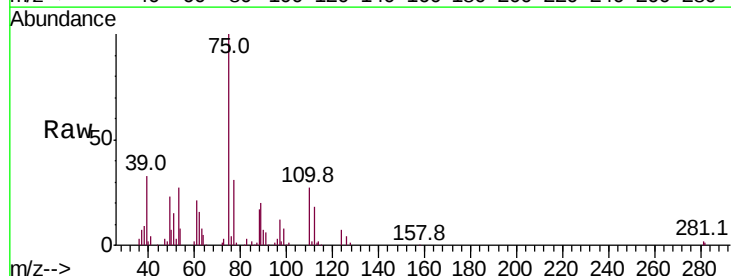
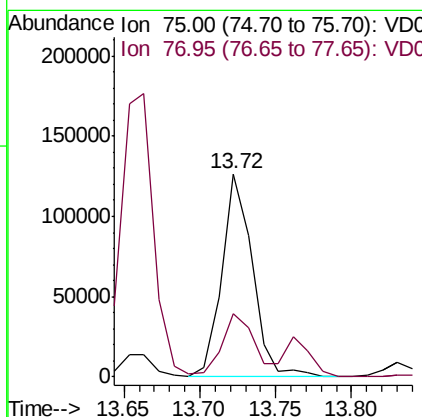
RT: 13.72 min Scan# 1250

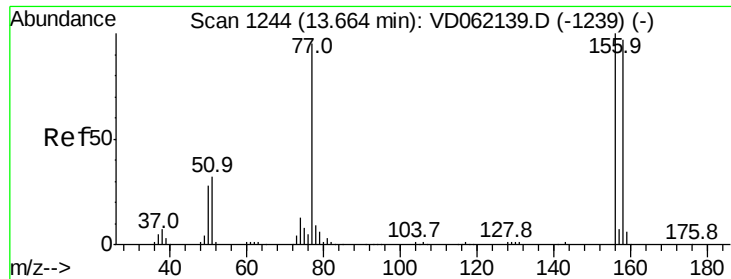
Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Tgt Ion:	75	Resp:	178412
Ion Ratio	Lower	Upper	
75	100		
77	31.4	16.4	49.4





#77

Bromobenzene

Concen: 72.524 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:156 Resp: 223370

Ion Ratio Lower Upper

156 100

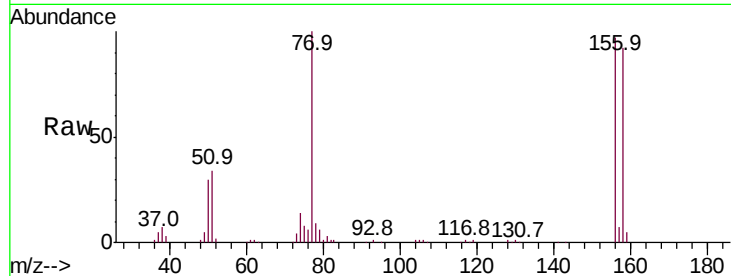
77 103.4 53.1 159.4

158 95.2 49.4 148.0

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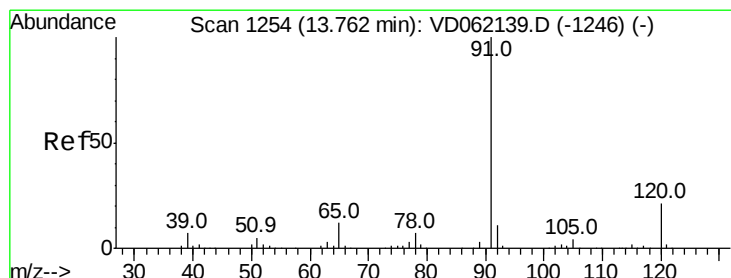
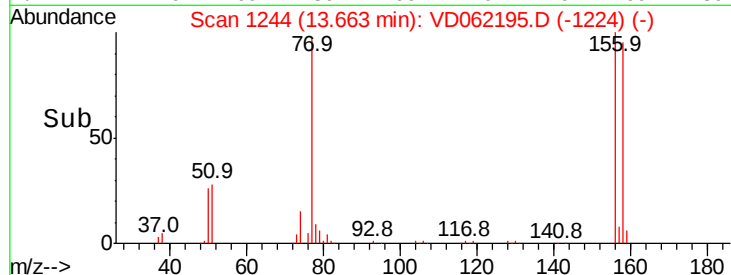
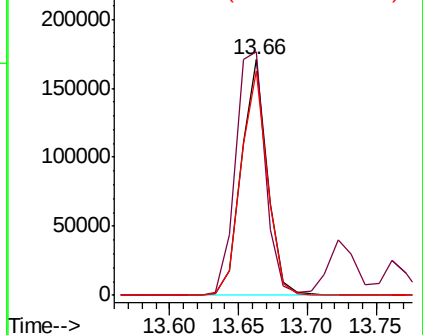
5/10/2019 11:53:56 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 58.429 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062195.D

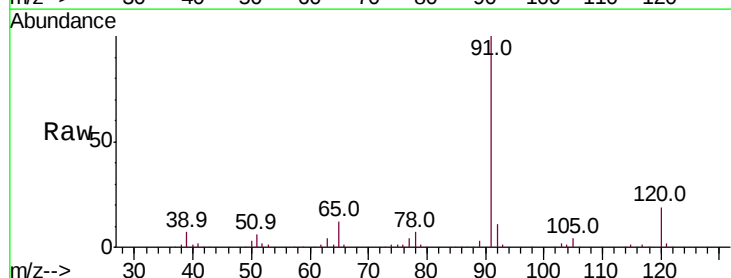
Acq: 9 May 2019 18:34

Tgt Ion: 91 Resp: 766855

Ion Ratio Lower Upper

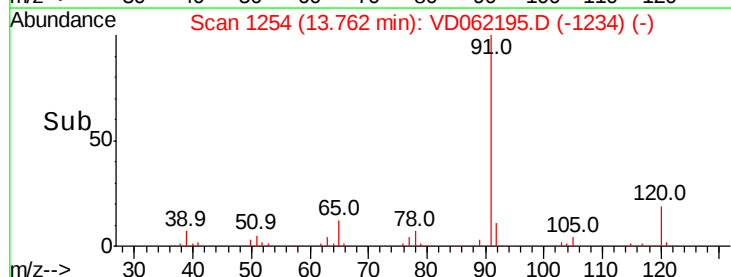
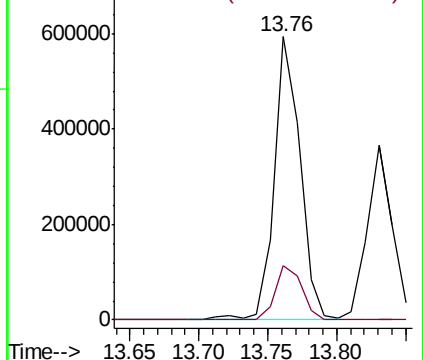
91 100

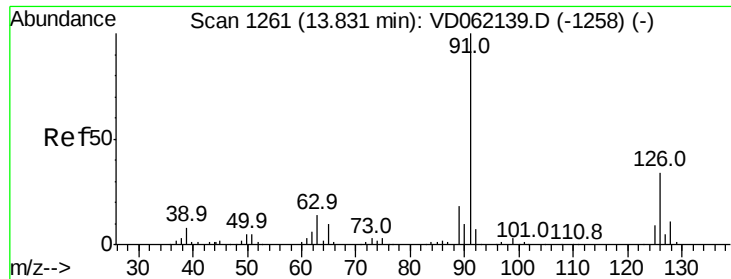
120 19.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 61.875 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MS

Tot Ion: 91 Resp: 465088

Ion Ratio Lower Upper

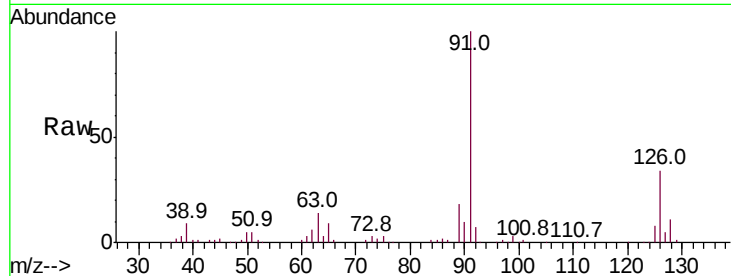
91 100

126 34.2 18.6 55.8

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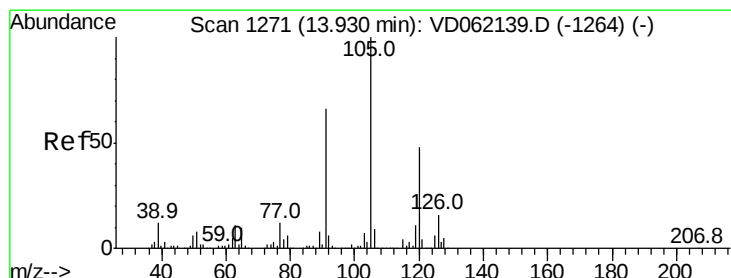
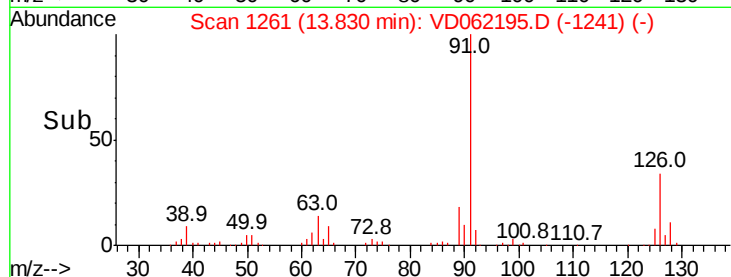
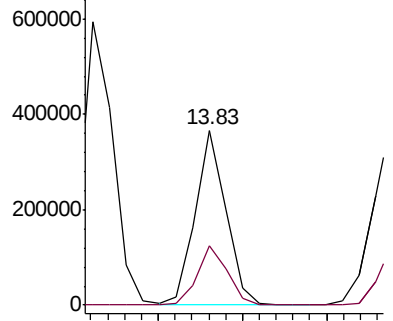
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 63.421 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062195.D

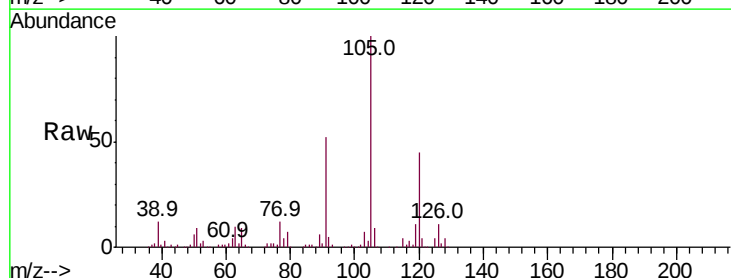
Acq: 9 May 2019 18:34

Tgt Ion: 105 Resp: 587583

Ion Ratio Lower Upper

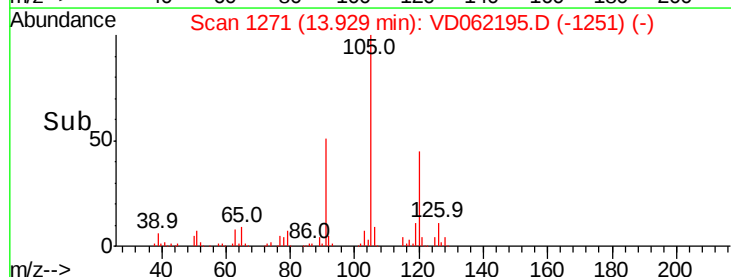
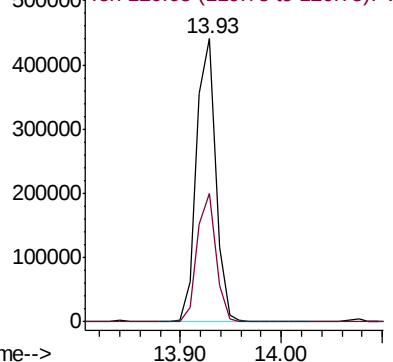
105 100

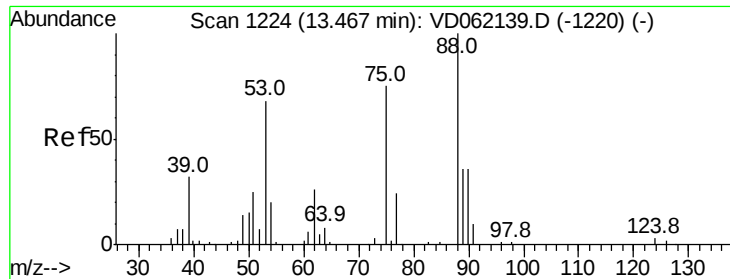
120 45.5 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





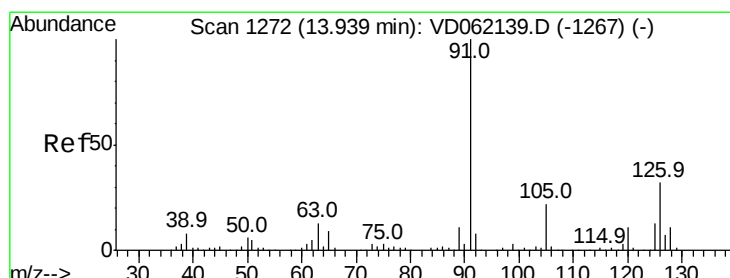
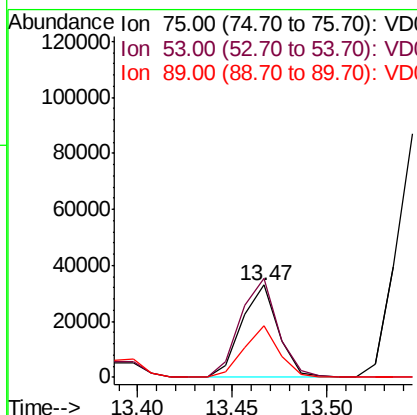
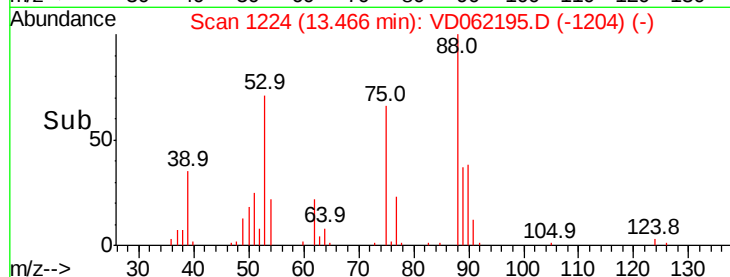
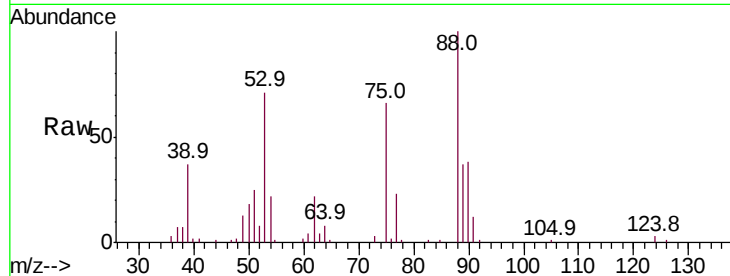
#81
trans-1,4-Dichloro-2-butene
Concen: 72.205 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion: 75 Resp: 44463
Ion Ratio Lower Upper
75 100
53 107.3 65.8 98.8#
89 55.6 35.0 52.6#

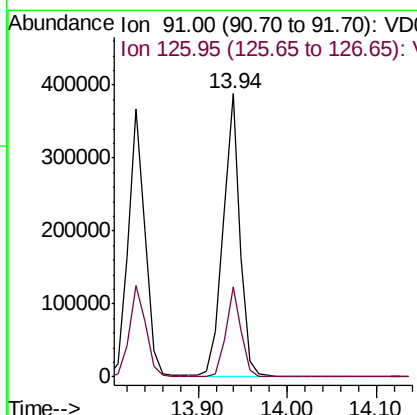
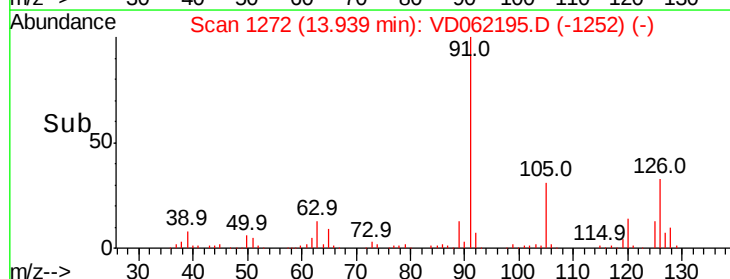
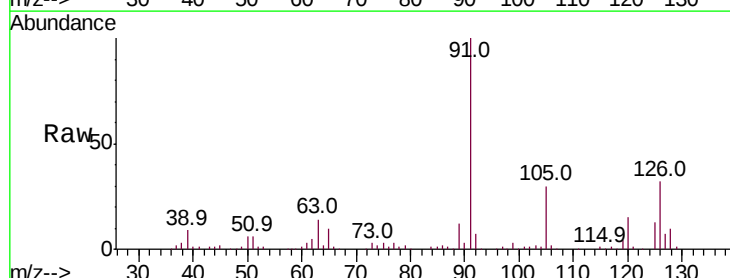
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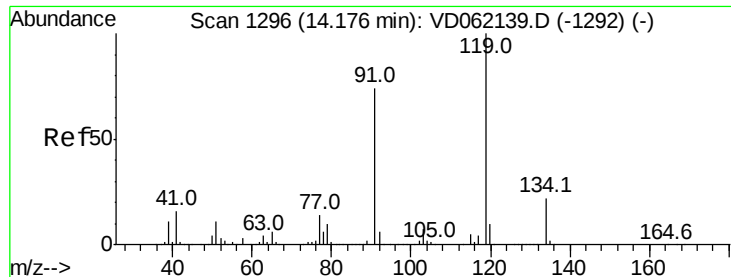
MMDadoda
5/10/2019 11:53:56 AM



#82
4-Chlorotoluene
Concen: 58.582 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion: 91 Resp: 518168
Ion Ratio Lower Upper
91 100
126 32.0 19.1 57.5





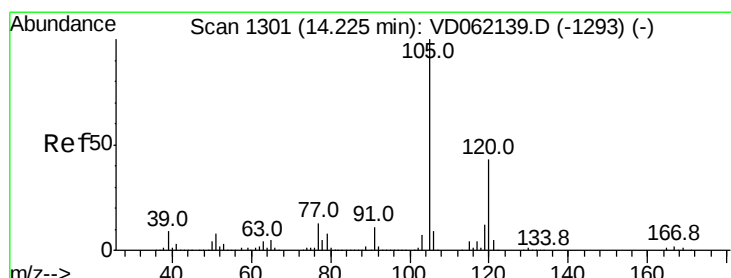
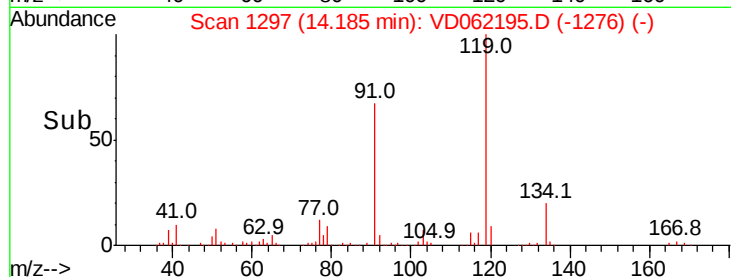
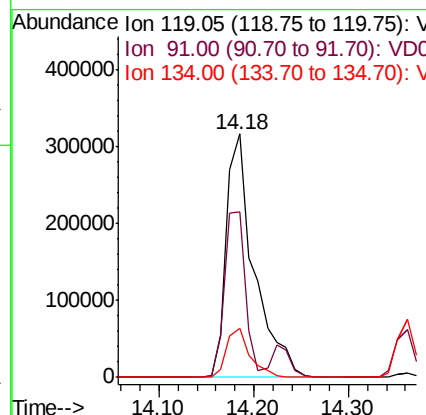
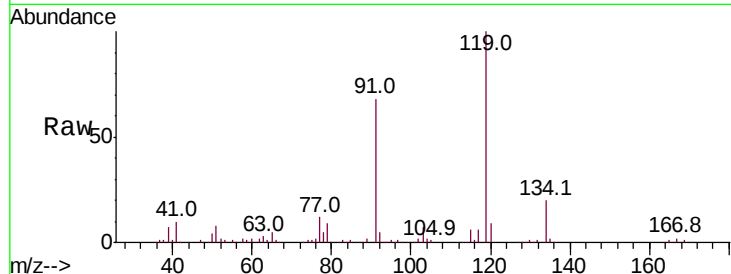
#83
tert-Butylbenzene
Concen: 61.571 ug/l
RT: 14.18 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	641169		
91	68.0		34.2	102.6
134	20.2		12.0	36.0

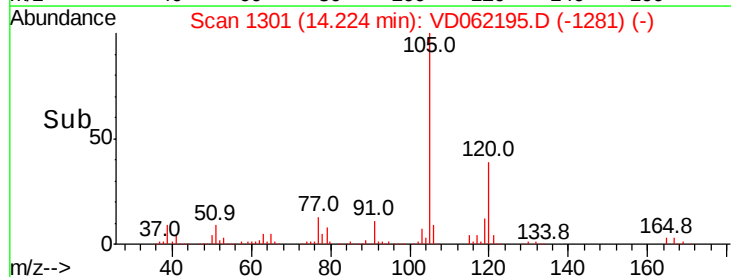
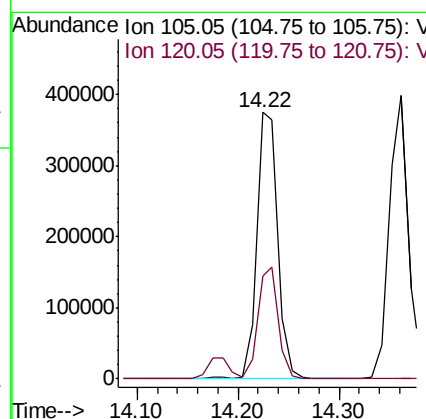
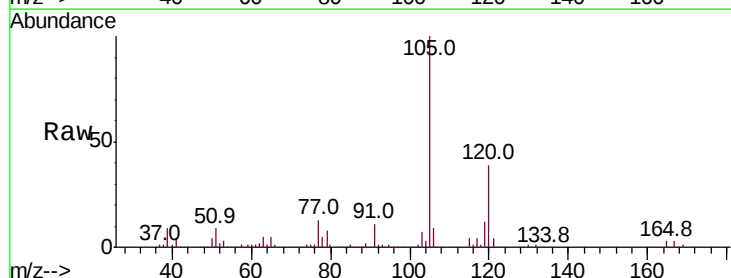
Manual Integrations
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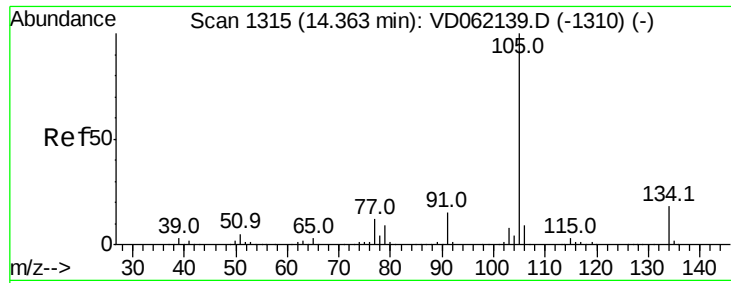
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#84
1,2,4-Trimethylbenzene
Concen: 58.842 ug/l
RT: 14.22 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	547067		
120	38.6		23.1	69.2





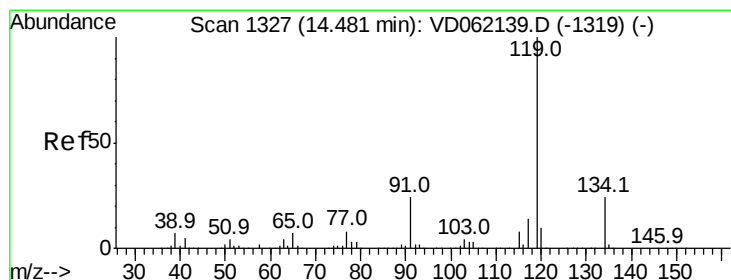
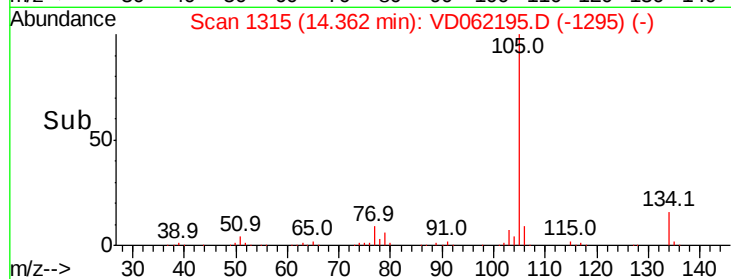
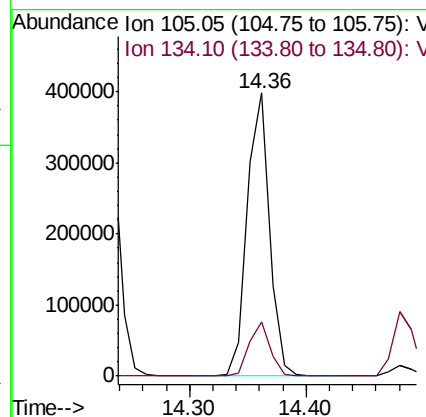
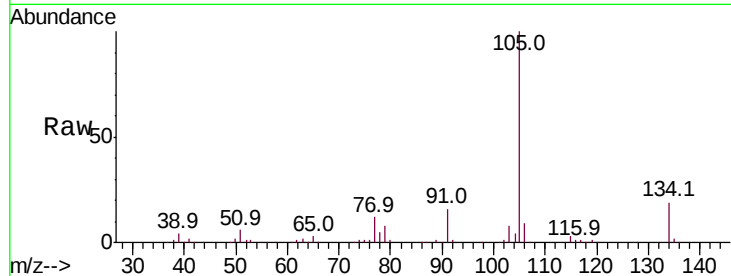
#85
 sec-Butylbenzene
 Concen: 46.197 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	8.9	26.7

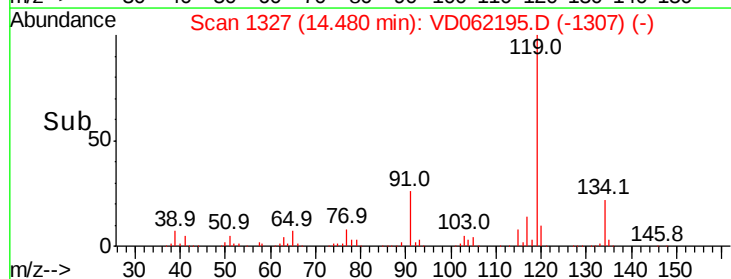
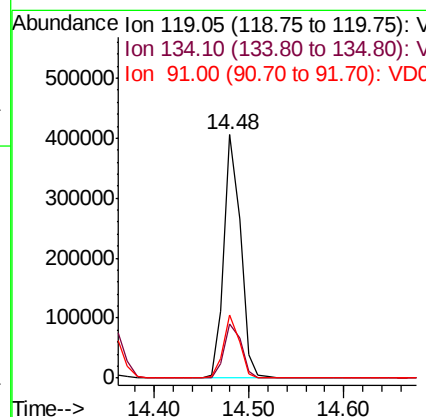
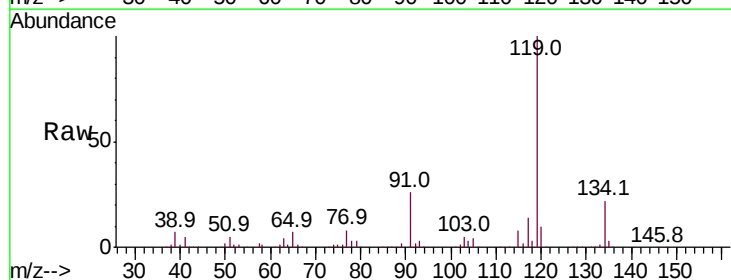
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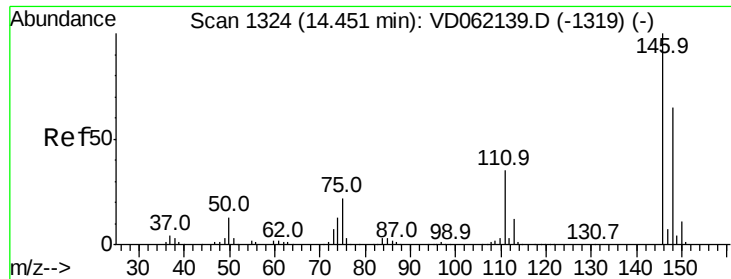
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 5/10/2019 11:53:56 AM



#86
 p-Isopropyltoluene
 Concen: 48.508 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.4	12.8	38.3
91	26.0	10.7	32.1





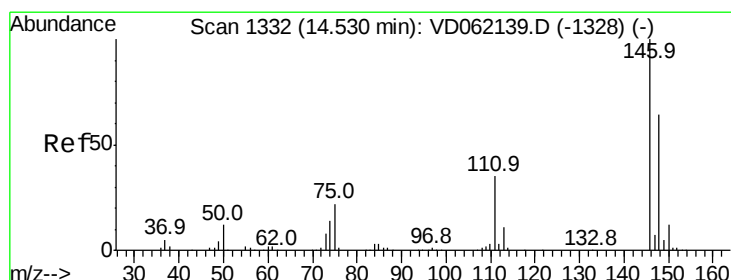
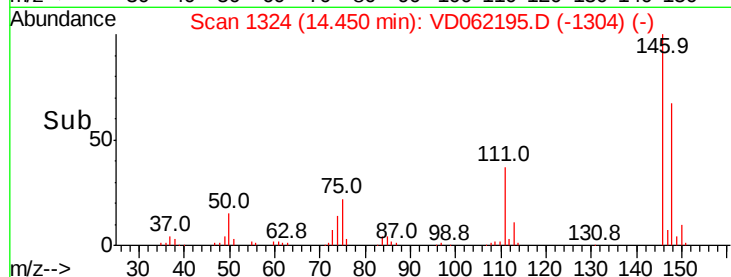
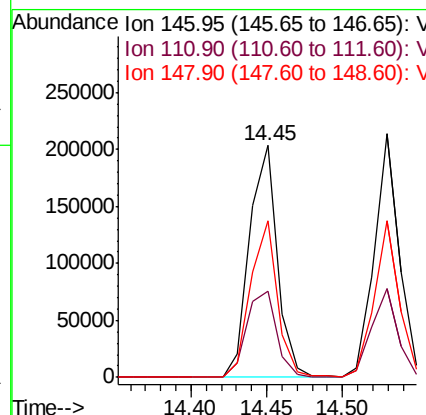
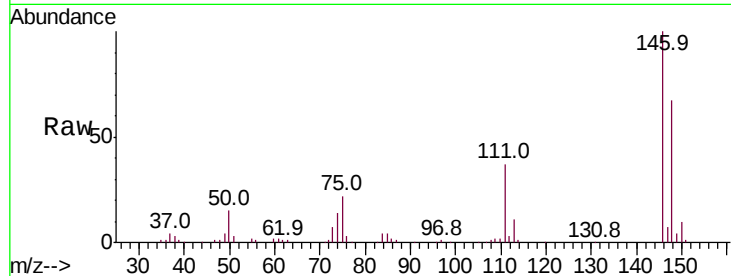
#87
 1,3-Dichlorobenzene
 Concen: 46.557 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.0	60.0
148	67.3	31.8	95.4

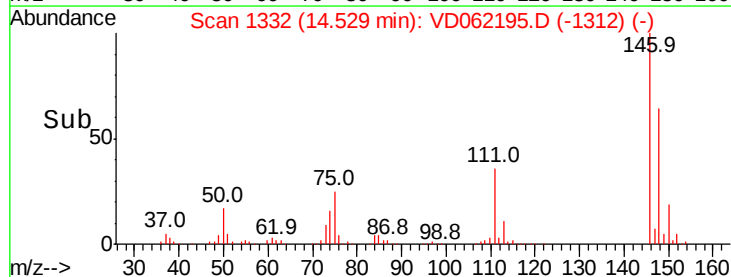
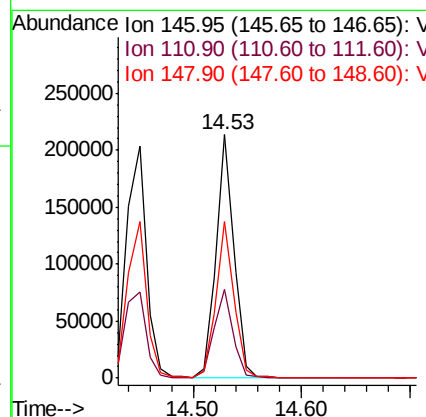
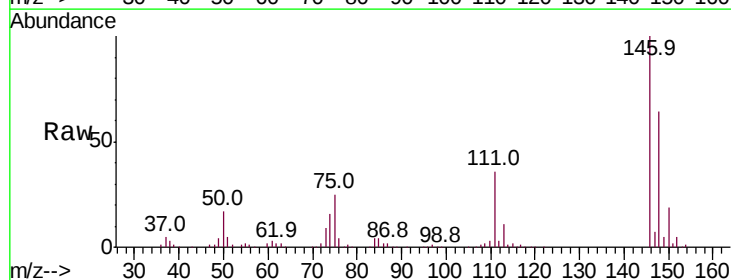
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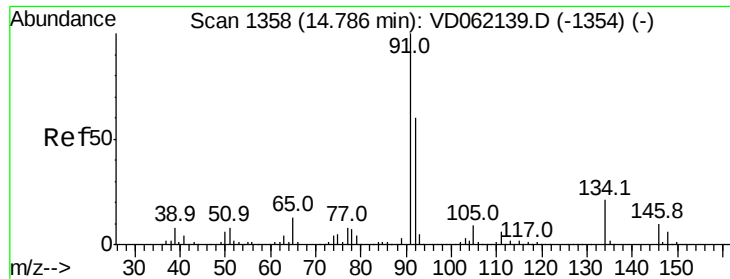
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 5/10/2019 11:53:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 44.877 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	20.2	60.5
148	64.3	32.0	96.2





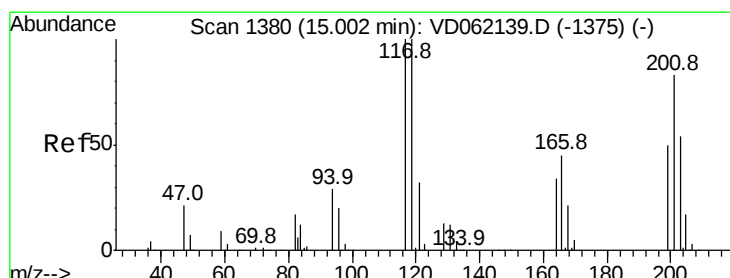
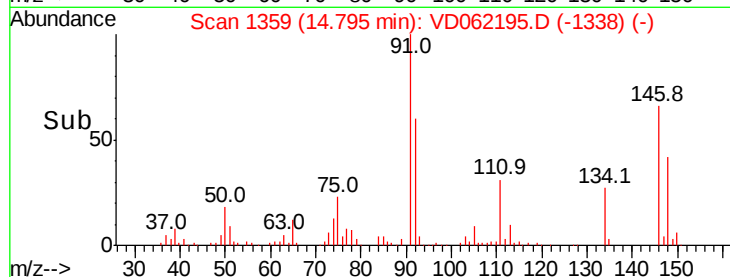
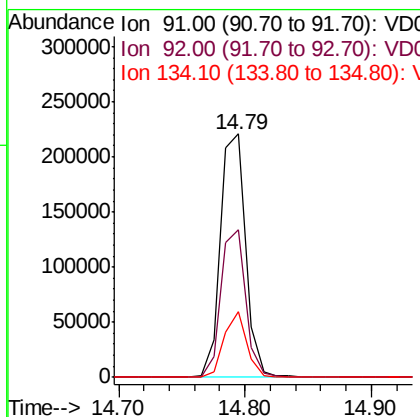
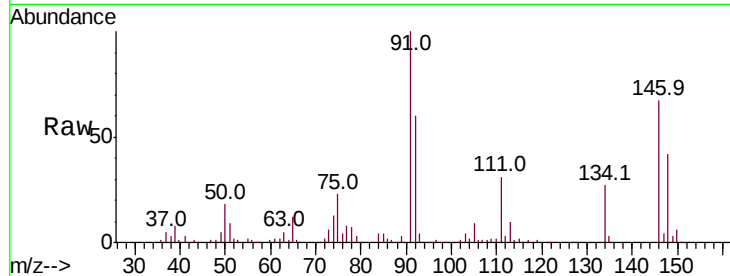
#89
n-Butylbenzene
Concen: 33.489 ug/l
RT: 14.79 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.4	30.3	91.0
134	26.9	14.5	43.6

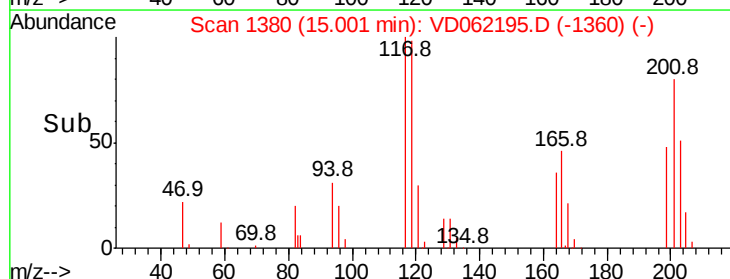
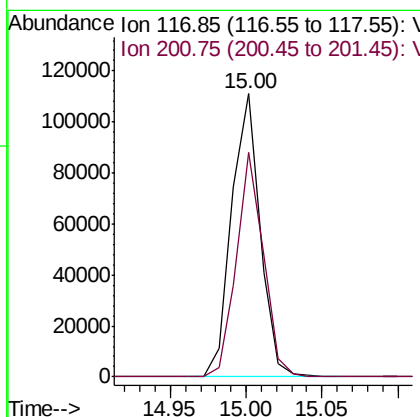
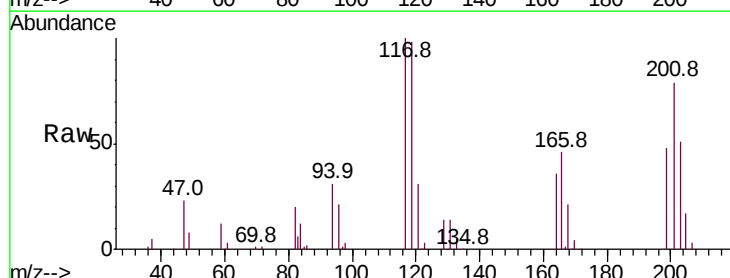
Manual Integrations
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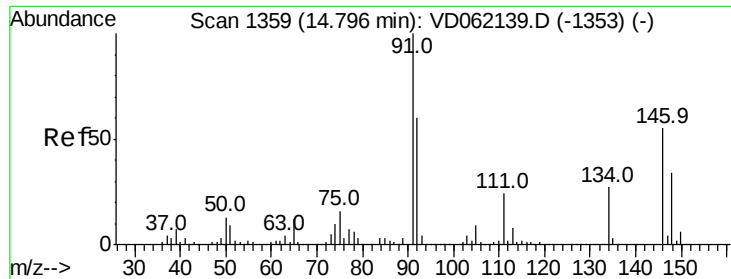
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#90
Hexachloroethane
Concen: 51.980 ug/l
RT: 15.00 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062195.D
Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	30.2	90.6





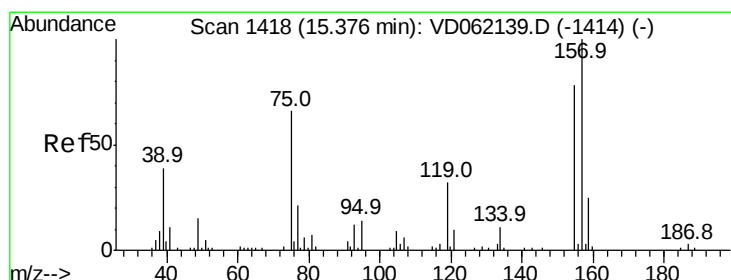
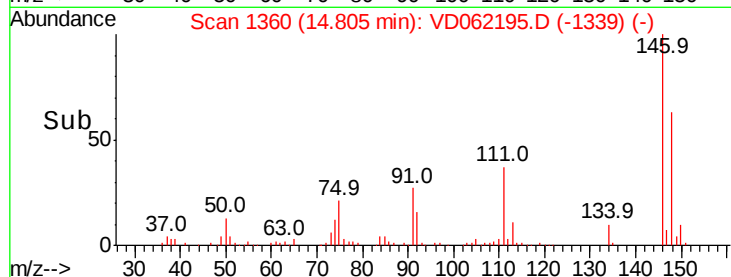
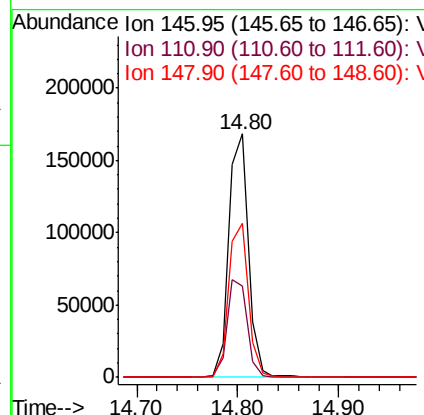
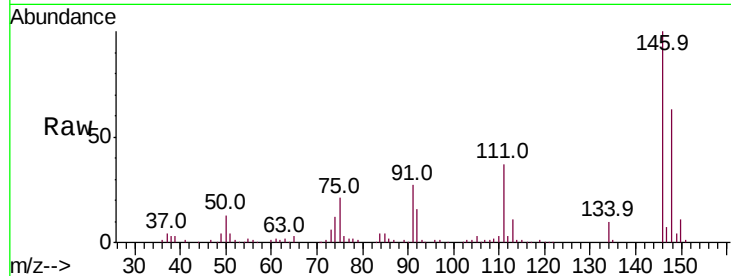
#91
 1,2-Dichlorobenzene
 Concen: 49.374 ug/l
 RT: 14.80 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.0	59.9
148	63.5	32.3	96.8

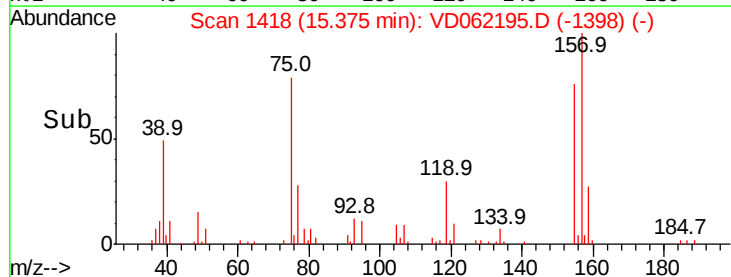
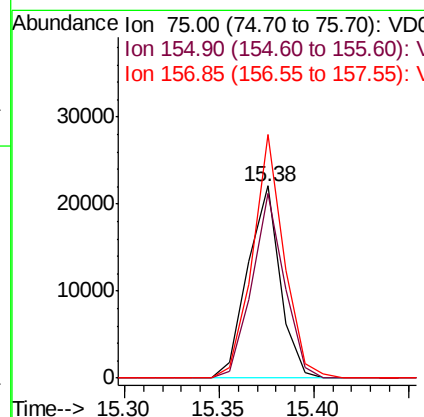
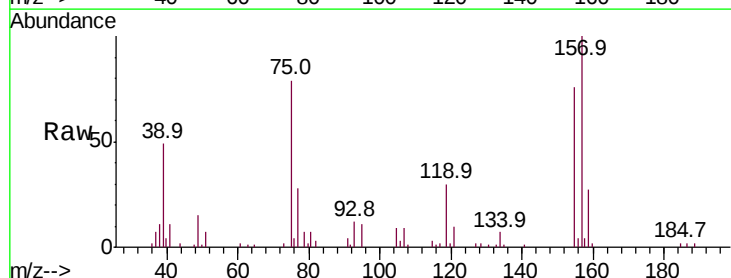
Manual Integrations
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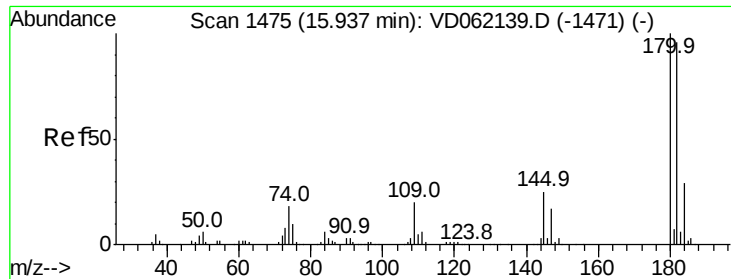
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.167 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	55.3	165.8
157	126.6	67.8	203.2





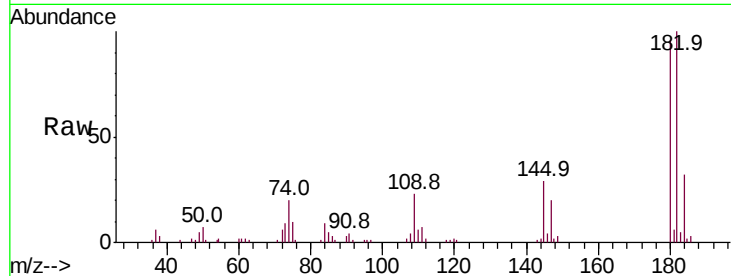
#93
 1,2,4-Trichlorobenzene
 Concen: 19.086 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MS

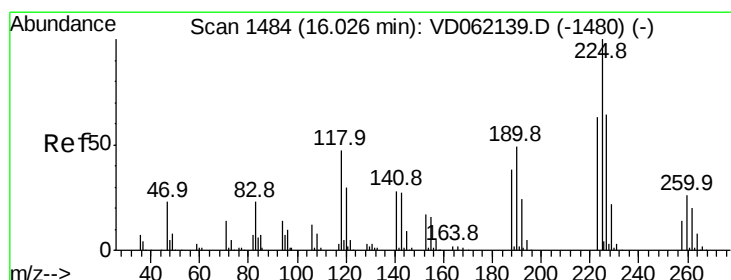
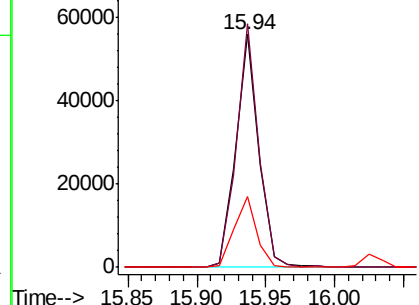
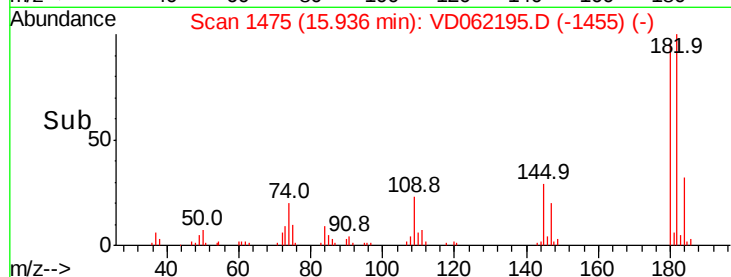
Tot Ion	Ratio	Resp	Lower	Upper
180	100	64370		
182	104.5	49.3	147.8	
145	30.2	16.2	48.6	

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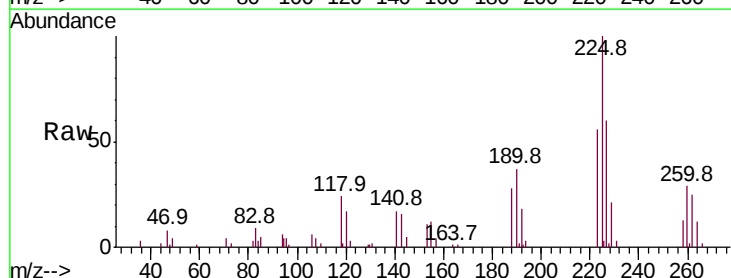


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

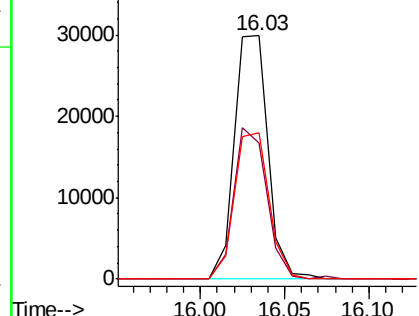
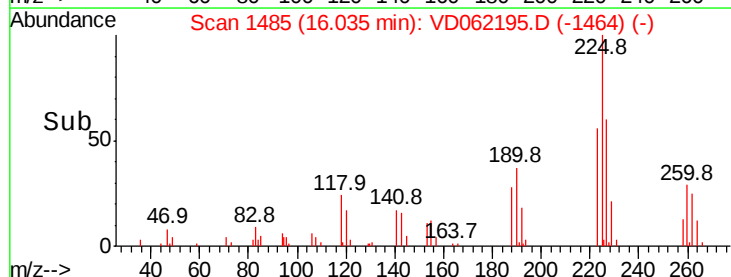


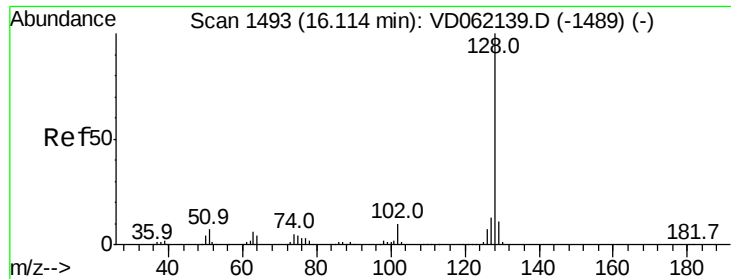
#94
 Hexachlorobutadiene
 Concen: 16.489 ug/l
 RT: 16.03 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062195.D
 Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41362		
223	56.0	30.6	92.0	
227	60.1	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: 28.984 ug/l

RT: 16.11 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_D

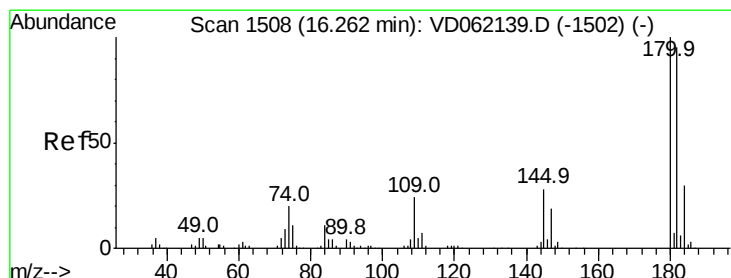
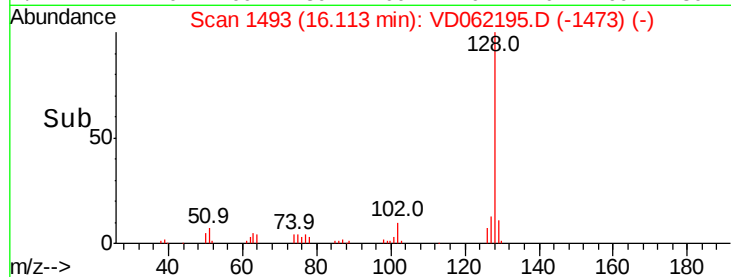
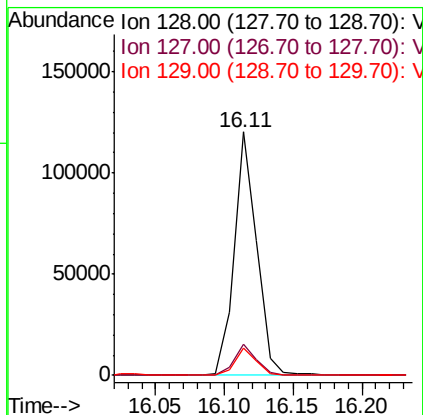
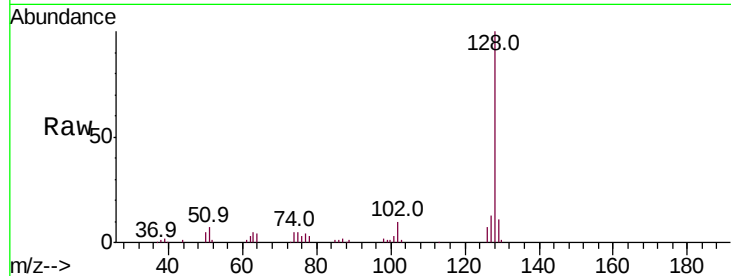
ClientSampleId :

P026-SS002-1218-01MS

Tot Ion:	128	Resp:	136475
Ion Ratio	Lower	Upper	
128	100		
127	13.0	9.8	14.8
129	11.3	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.752 ug/l

RT: 16.26 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062195.D

Acq: 9 May 2019 18:34

Tgt Ion:	180	Resp:	39763
Ion Ratio	Lower	Upper	
180	100		
182	91.5	47.0	141.0
145	27.7	17.0	51.0

