

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062671.D
 Acq On : 12 Jun 2019 13:49
 Operator : VA/AP
 Sample : VD0612SBS02
 Misc : 4.36g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 3:11:59 PM

Quant Time: Jun 13 07:37:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	775563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1030518	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	878914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	485230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	517445	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	6.91	113	522653	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	10.39	98	1232189	53.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.78%	
62) 4-Bromofluorobenzene	13.54	95	555679	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	142526	13.947	ug/l	90
3) Chloromethane	1.73	50	124525	16.227	ug/l	96
4) Vinyl Chloride	1.84	62	111556	14.098	ug/l	91
5) Bromomethane	2.13	94	53038	13.278	ug/l	94
6) Chloroethane	2.24	64	56224	14.391	ug/l #	79
7) Trichlorofluoromethane	2.51	101	241745	13.649	ug/l	100
8) Diethyl Ether	2.85	74	31085	12.904	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	151462	15.857	ug/l	97
10) Methyl Iodide	3.29	142	157774	14.475	ug/l	92
11) Tert butyl alcohol	4.06	59	34367	74.708	ug/l #	84
12) 1,1-Dichloroethene	3.11	96	103406	15.085	ug/l	92
13) Acrolein	3.02	56	12947m	87.495	ug/l	
14) Allyl chloride	3.60	41	161082	15.283	ug/l	93
15) Acrylonitrile	4.18	53	84204	80.551	ug/l	94
16) Acetone	3.21	43	150291	73.337	ug/l	96
17) Carbon Disulfide	3.35	76	286083	14.162	ug/l	98
18) Methyl Acetate	3.63	43	49459	14.686	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	257538	15.404	ug/l	99
20) Methylene Chloride	3.80	84	102380	12.895	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	115045	15.300	ug/l	91
22) Diisopropyl ether	5.10	45	335821	15.345	ug/l	99
23) Vinyl Acetate	5.04	43	1023510	75.384	ug/l	100
24) 1,1-Dichloroethane	4.96	63	214231	15.216	ug/l	99
25) 2-Butanone	6.06	43	143501	71.777	ug/l	98
26) 2,2-Dichloropropane	6.00	77	246346	15.182	ug/l	96
27) cis-1,2-Dichloroethene	6.01	96	127595	15.653	ug/l	87
28) Bromochloromethane	6.42	49	84415	15.685	ug/l	97
29) Tetrahydrofuran	6.45	42	67429	74.893	ug/l	97
30) Chloroform	6.65	83	279846	15.492	ug/l	89
31) Cyclohexane	6.94	56	127688	14.458	ug/l	95
32) 1,1,1-Trichloroethane	6.85	97	285905	15.906	ug/l	98
36) 1,1-Dichloropropene	7.13	75	175358	14.868	ug/l	90
37) Ethyl Acetate	6.17	43	77544	16.250	ug/l #	87
38) Carbon Tetrachloride	7.10	117	293378	15.737	ug/l #	96

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Manual Integrations
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 6/13/2019 3:11:59 PM

Quant Time: Jun 13 07:37:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	148153	15.545	ug/l	93
40) Benzene	7.44	78	359461	15.606	ug/l	98
41) Methacrylonitrile	6.43	41	90521	14.662	ug/l #	90
42) 1,2-Dichloroethane	7.56	62	198658	14.470	ug/l	94
43) Isopropyl Acetate	9.23	43	95568	15.357	ug/l #	84
44) Trichloroethene	8.52	130	145788	15.591	ug/l	94
45) 1,2-Dichloropropane	8.93	63	92142	16.655	ug/l	97
46) Dibromomethane	9.04	93	75734	15.422	ug/l	92
47) Bromodichloromethane	9.36	83	214193	16.034	ug/l	97
48) Methyl methacrylate	9.10	41	71705	15.949	ug/l	92
49) 1,4-Dioxane	9.06	88	12762	349.695	ug/l #	72
51) 4-Methyl-2-Pentanone	10.30	43	342387	78.629	ug/l	97
52) Toluene	10.49	92	226048	14.600	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	176405	16.106	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	186824	16.503	ug/l	91
55) 1,1,2-Trichloroethane	11.18	97	81383	15.328	ug/l	93
56) Ethyl methacrylate	11.03	69	91545	17.122	ug/l	94
57) 1,3-Dichloropropane	11.40	76	132757	16.132	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.84	63	313609	110.510	ug/l	100
59) 2-Hexanone	11.53	43	248929	76.851	ug/l	98
60) Dibromochloromethane	11.67	129	165523	15.792	ug/l	98
61) 1,2-Dibromoethane	11.79	107	99631	15.678	ug/l	99
64) Tetrachloroethene	11.25	164	125127	15.208	ug/l	91
65) Chlorobenzene	12.39	112	304239	15.649	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	144388	15.572	ug/l	98
67) Ethyl Benzene	12.52	91	547883	15.895	ug/l	98
68) m/p-Xylenes	12.66	106	375799	31.012	ug/l	95
69) o-Xylene	13.04	106	171237	15.386	ug/l	95
70) Styrene	13.06	104	314229	15.824	ug/l	95
71) Bromoform	13.23	173	103420	16.548	ug/l	97
73) Isopropylbenzene	13.40	105	537904	15.728	ug/l	100
74) N-amyl acetate	13.26	43	141890	15.351	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	92753	15.849	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	105830	16.085	ug/l	97
77) Bromobenzene	13.66	156	149548	15.298	ug/l	96
78) n-propylbenzene	13.77	91	690923	16.504	ug/l	99
79) 2-Chlorotoluene	13.83	91	407105	16.608	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	499982	16.541	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	26772	16.547	ug/l	91
82) 4-Chlorotoluene	13.94	91	465612	15.884	ug/l	91
83) tert-Butylbenzene	14.18	119	559408	16.780	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	519489	17.358	ug/l	99
85) sec-Butylbenzene	14.36	105	510837	14.612	ug/l	97
86) p-Isopropyltoluene	14.49	119	568442	16.701	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	256636	14.492	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	281919	16.845	ug/l	98
89) n-Butylbenzene	14.79	91	494469	16.148	ug/l	97
90) Hexachloroethane	15.00	117	142613	15.871	ug/l	82
91) 1,2-Dichlorobenzene	14.80	146	240977	16.370	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	20640	16.512	ug/l	72

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Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

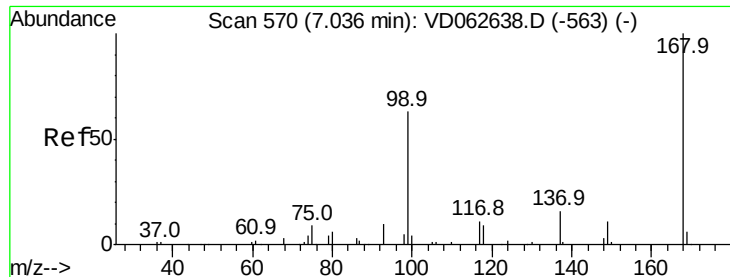
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	188210	17.564	ug/l	99
94) Hexachlorobutadiene	16.03	225	134627	15.490	ug/l	98
95) Naphthalene	16.11	128	249398	16.637	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	134260	15.834	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion:168 Resp: 775563

Ion Ratio Lower Upper

168 100

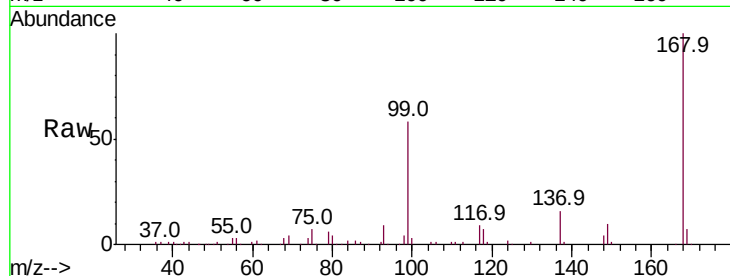
99 58.0 51.4 77.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

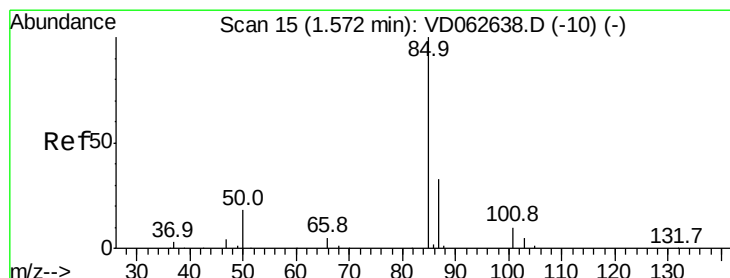
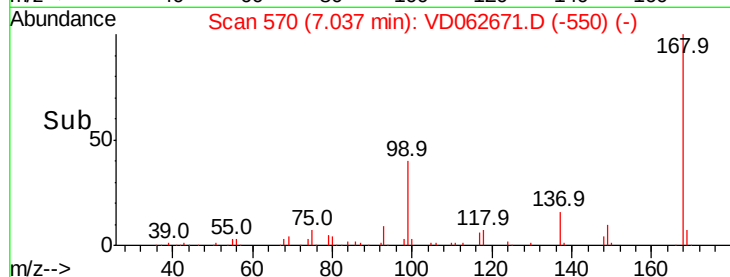
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 13.947 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062671.D

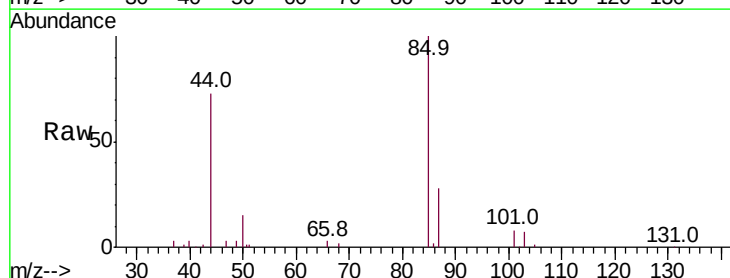
Acq: 12 Jun 2019 13:49

Tgt Ion: 85 Resp: 142526

Ion Ratio Lower Upper

85 100

87 27.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

80000

60000

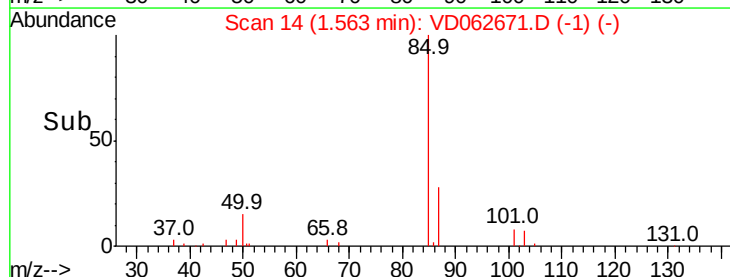
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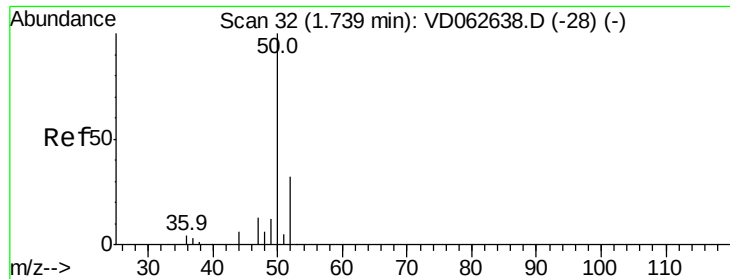
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 16.227 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion: 50 Resp: 124525

Ion Ratio Lower Upper

50 100

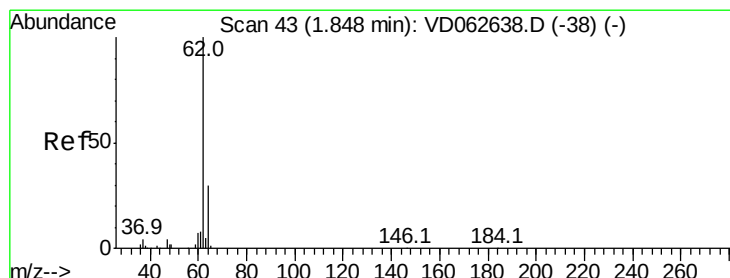
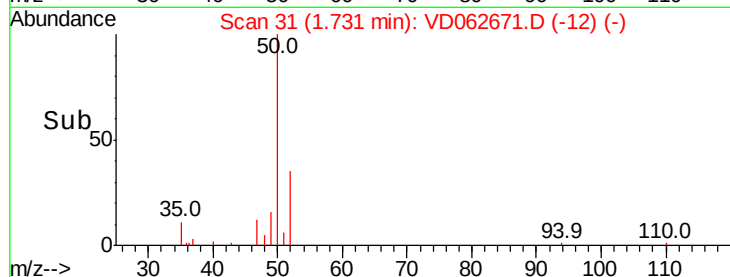
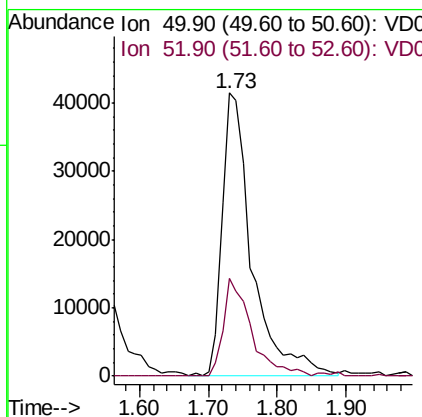
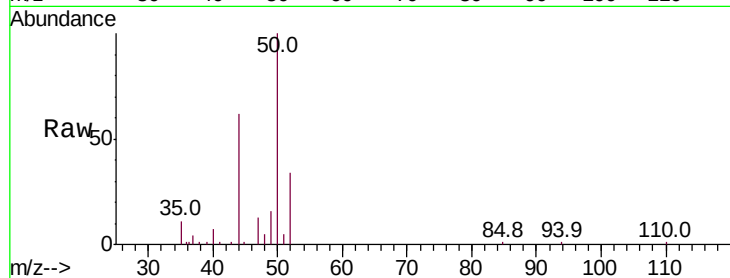
52 34.4 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 14.098 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062671.D

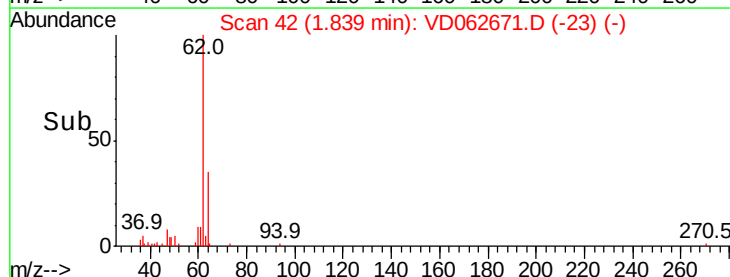
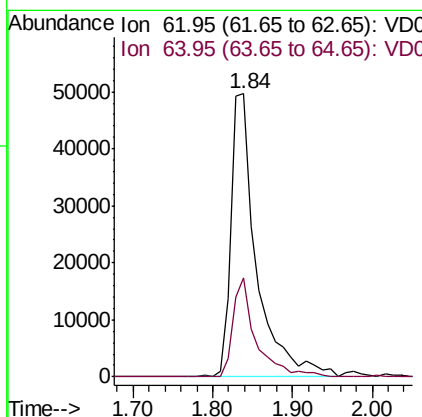
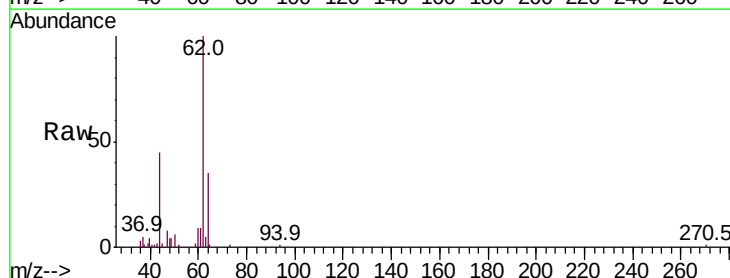
Acq: 12 Jun 2019 13:49

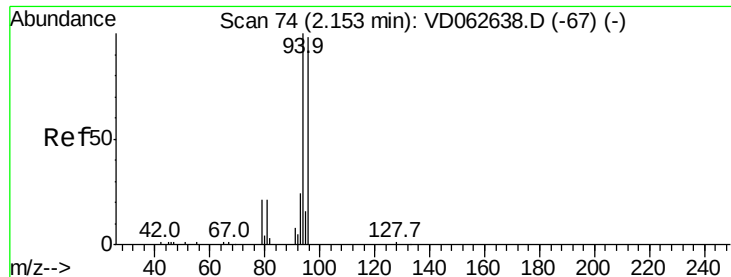
Tgt Ion: 62 Resp: 111556

Ion Ratio Lower Upper

62 100

64 34.9 24.2 36.4





#5

Bromomethane

Concen: 13.278 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion: 94 Resp: 53038

Ion Ratio Lower Upper

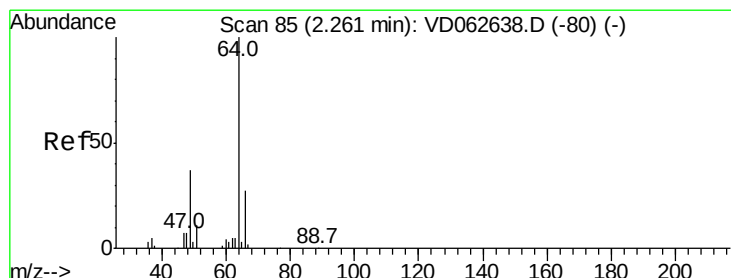
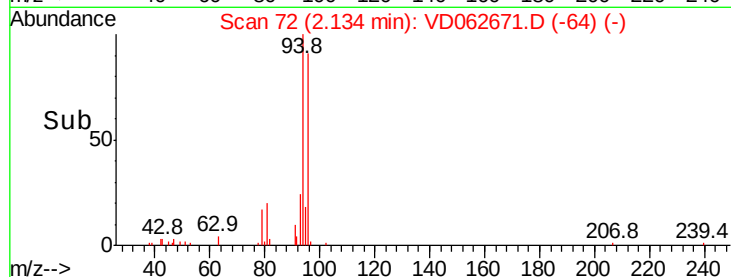
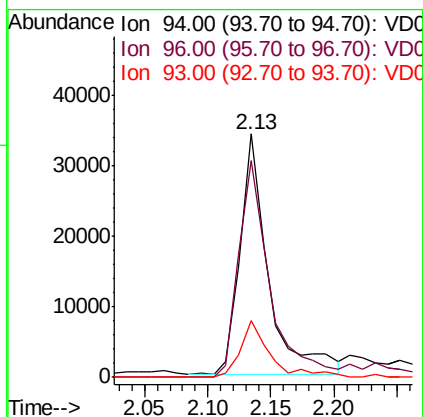
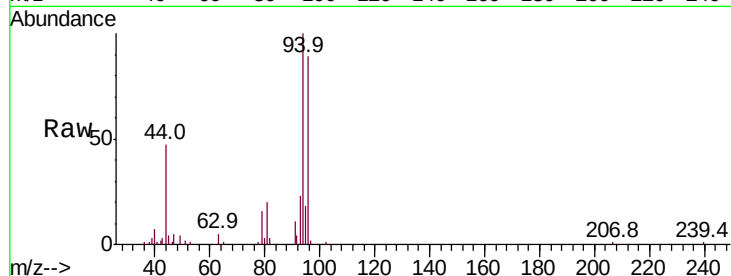
94 100

96 90.8 78.1 117.1

93 23.2 19.6 29.4

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#6

Chloroethane

Concen: 14.391 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD062671.D

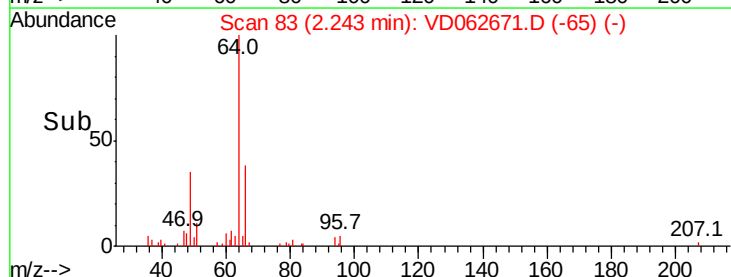
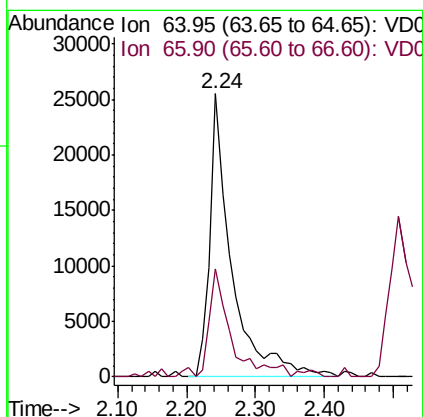
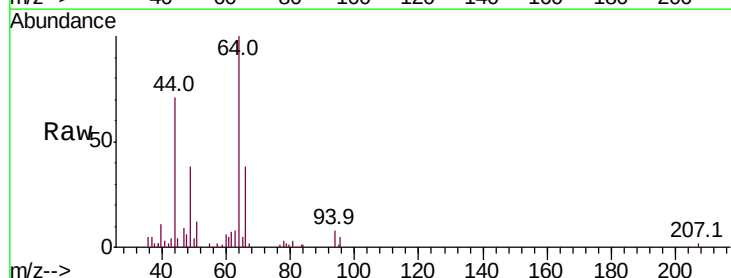
Acq: 12 Jun 2019 13:49

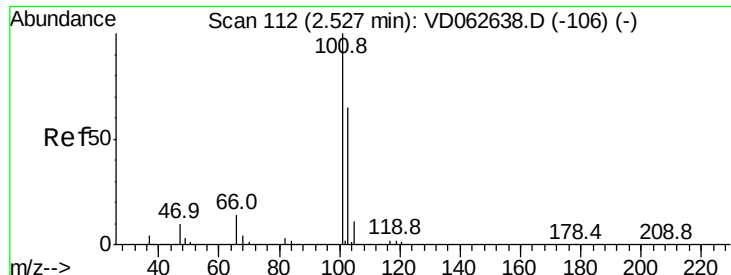
Tgt Ion: 64 Resp: 56224

Ion Ratio Lower Upper

64 100

66 38.1 21.9 32.9#





#7

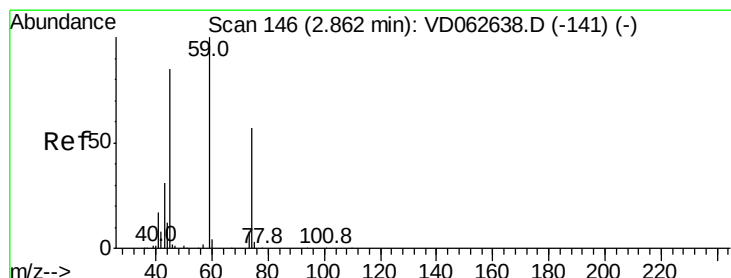
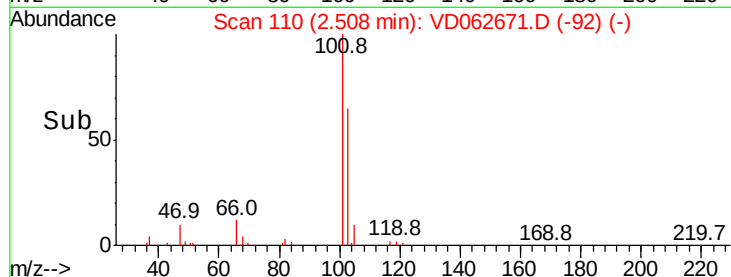
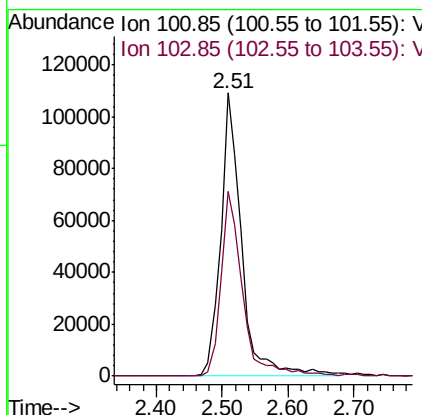
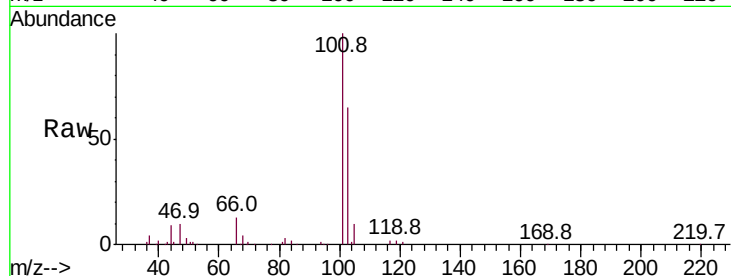
Trichlorofluoromethane
Concen: 13.649 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.02 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

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VD0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	241745		
103	65.4	52.2	78.2	

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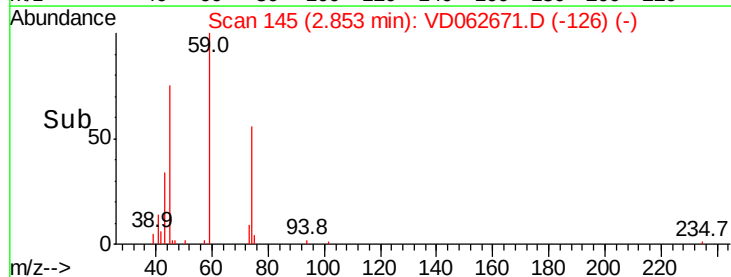
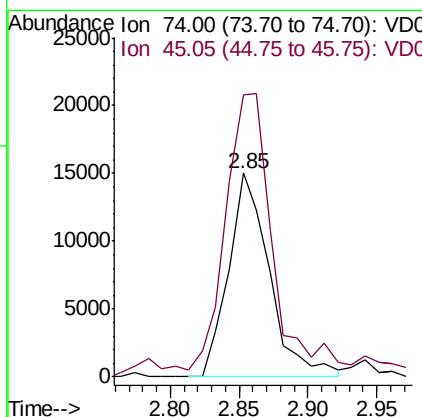
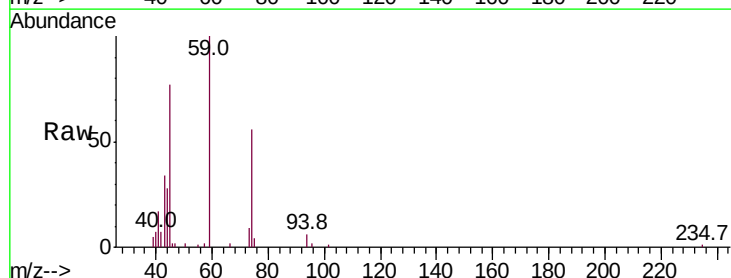
MMDadoda
6/13/2019 3:11:59 PM

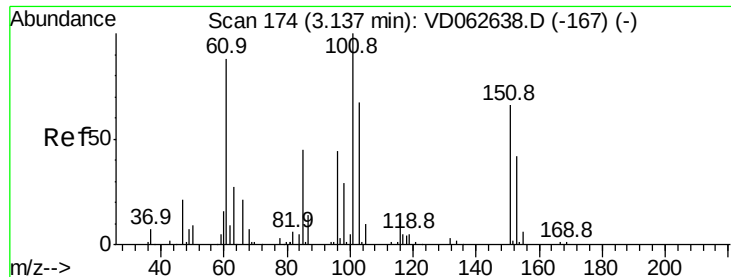


#8

Diethyl Ether
Concen: 12.904 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	31085		
45	138.2	74.9	224.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.857 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

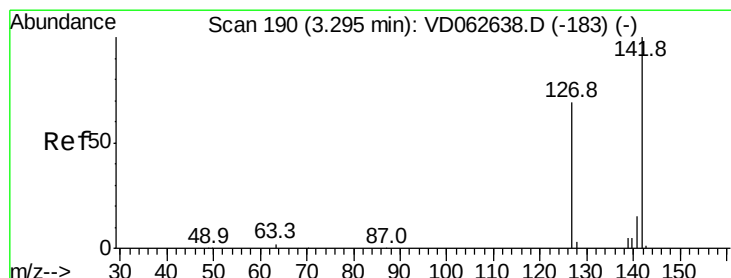
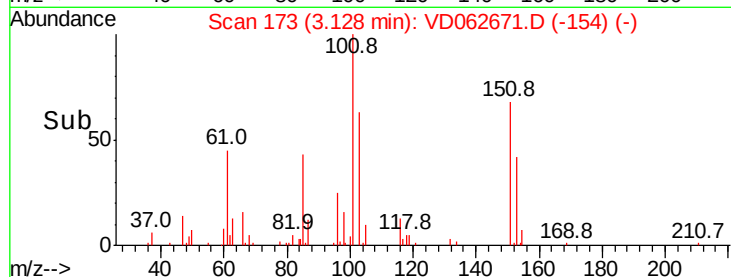
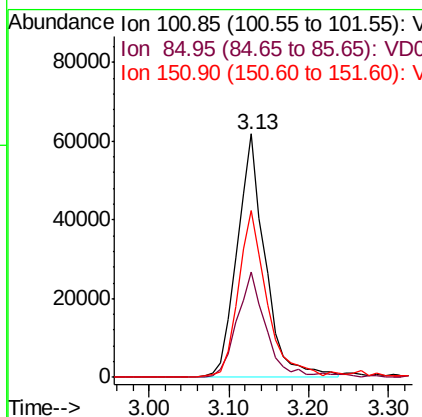
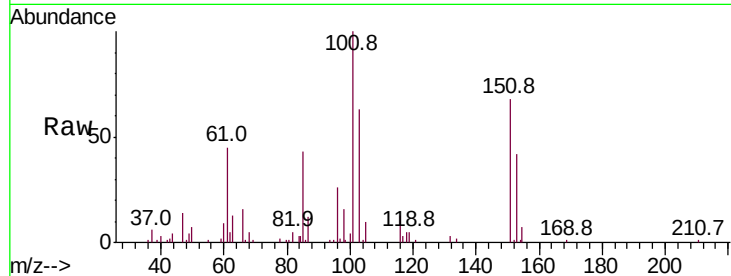
ClientSampleId :

VD0612SBSD01

Tot Ion:	101	Resp:	151462
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.0	54.0
151	68.3	52.6	79.0

Manual Integrations
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#10

Methyl Iodide

Concen: 14.475 ug/l

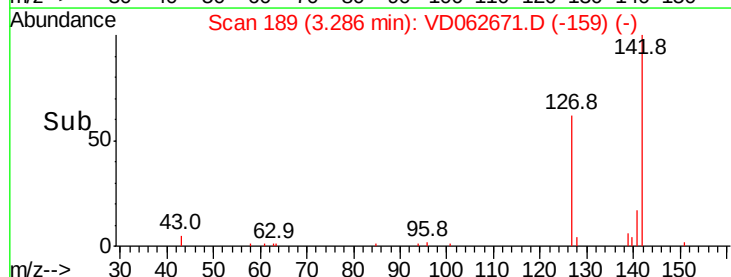
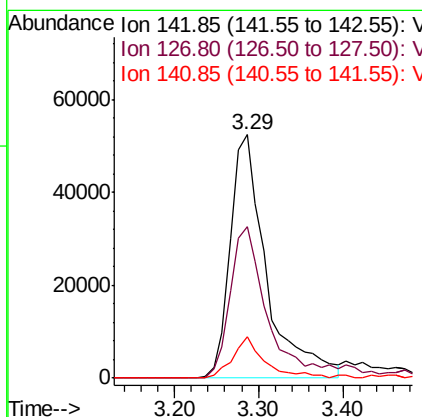
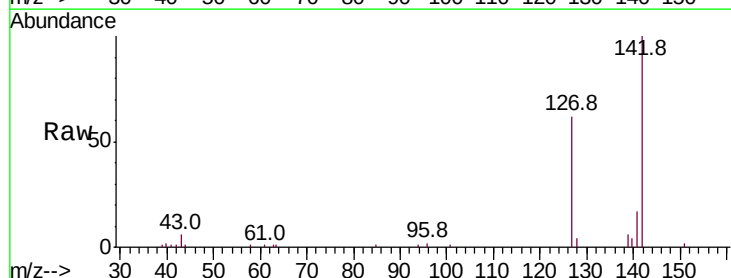
RT: 3.29 min Scan# 189

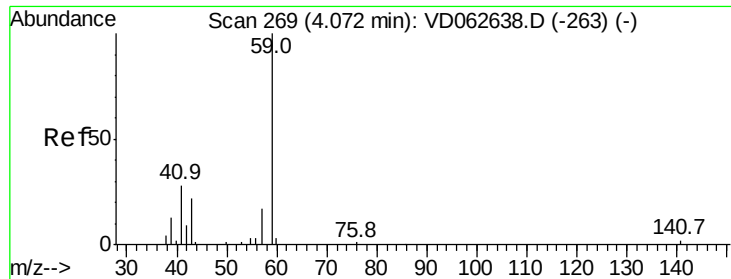
Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Tgt Ion:	142	Resp:	157774
Ion Ratio	Lower	Upper	
142	100		
127	62.2	55.2	82.8
141	17.0	12.1	18.1





#11

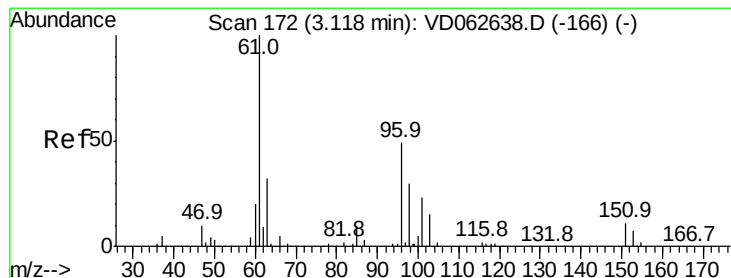
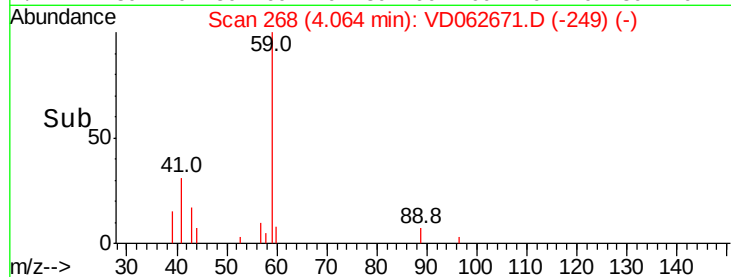
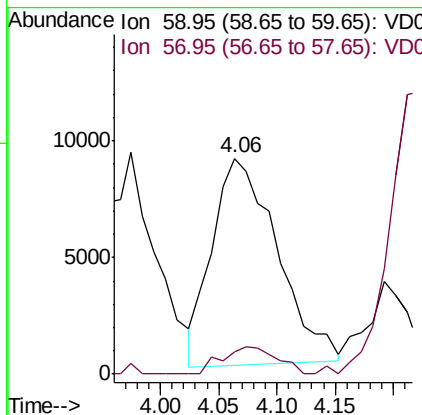
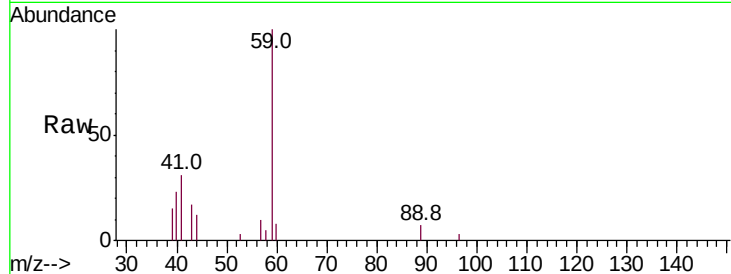
Tert butyl alcohol
 Concen: 74.708 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0612SBSD01

Tot Ion: 59 Resp: 34367
 Ion Ratio Lower Upper
 59 100
 57 10.3 13.7 20.5#

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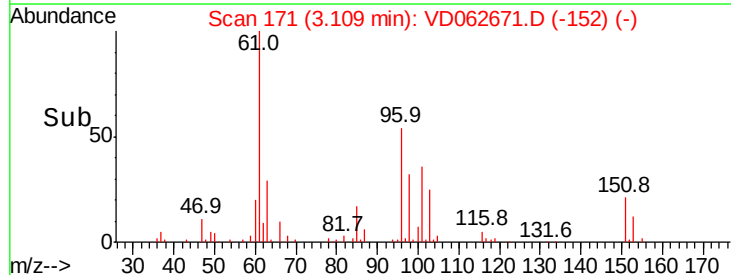
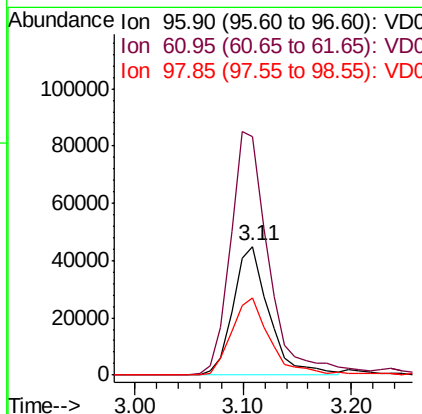
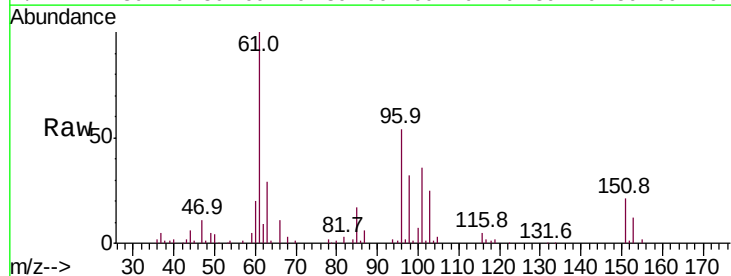
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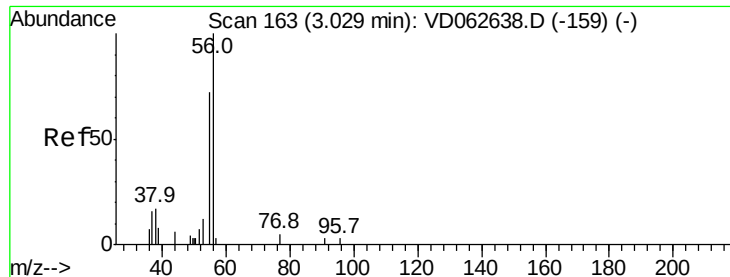


#12

1,1-Dichloroethene
 Concen: 15.085 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Tgt Ion: 96 Resp: 103406
 Ion Ratio Lower Upper
 96 100
 61 185.6 161.8 242.8
 98 60.2 48.2 72.4





#13

Acrolein

Concen: 87.495 ug/l m

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

Tot Ion: 56 Resp: 12947

Ion Ratio Lower Upper

56 100

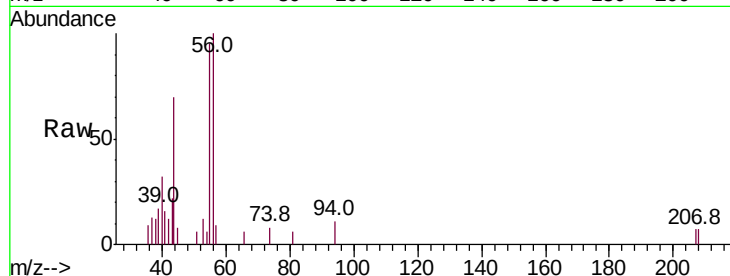
55 94.8 59.4 89.0#

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

6000

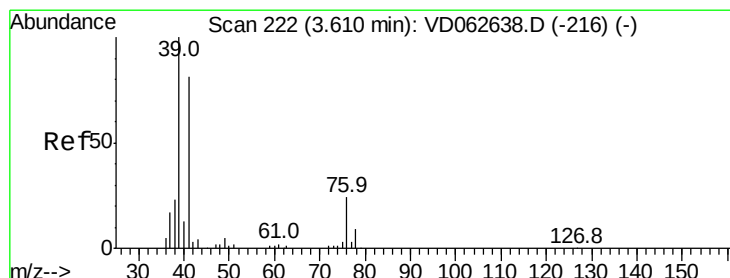
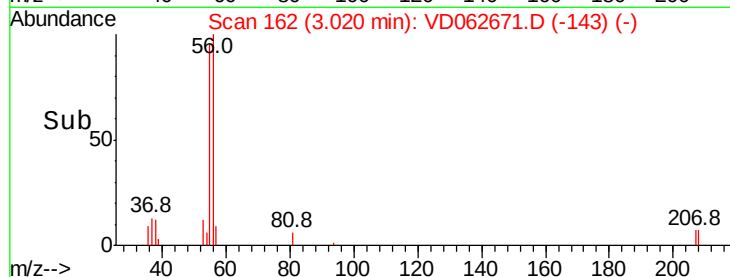
4000

2000

0

Time-->

2.95 3.00 3.05 3.10



#14

Allyl chloride

Concen: 15.283 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

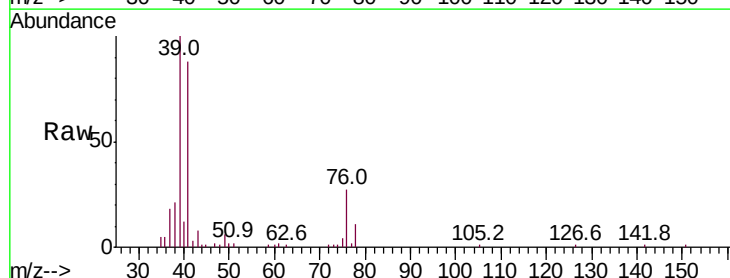
Tgt Ion: 41 Resp: 161082

Ion Ratio Lower Upper

41 100

39 113.7 99.1 148.7

76 30.7 25.0 37.6



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

80000

60000

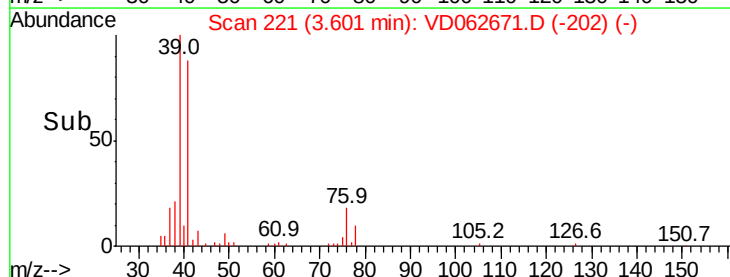
40000

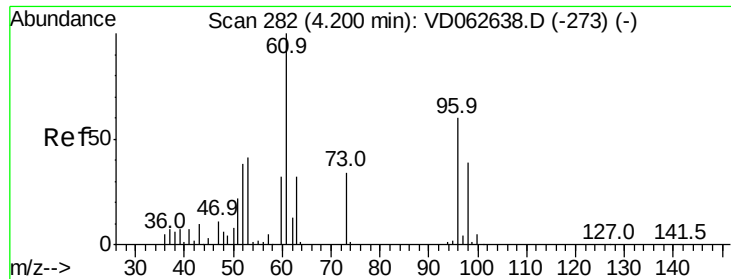
20000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 80.551 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

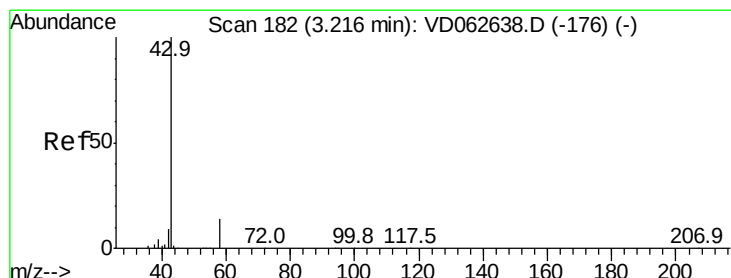
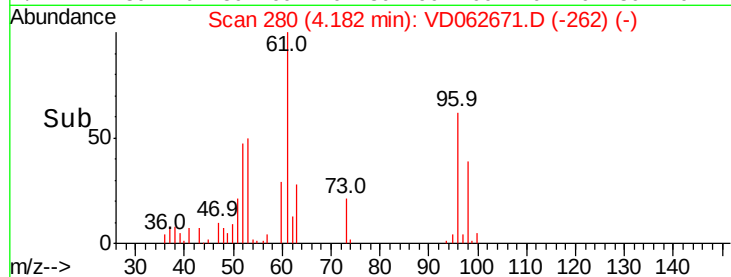
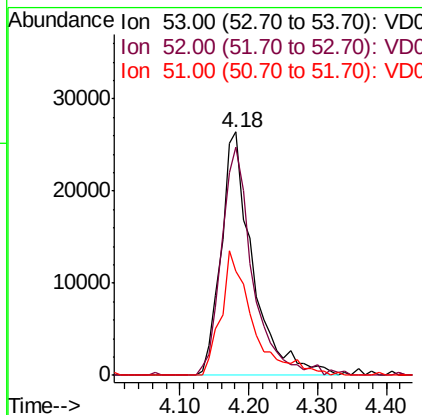
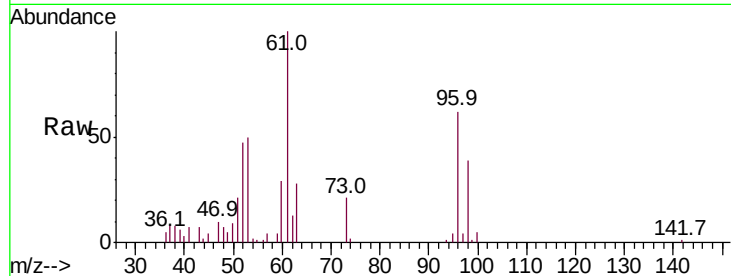
ClientSampleId :

VD0612SBSD01

Tot Ion:	53	Resp:	84204
Ion	Ratio	Lower	Upper
53	100		
52	93.5	73.6	110.4
51	42.5	42.0	63.0

Manual Integrations
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#16

Acetone

Concen: 73.337 ug/l

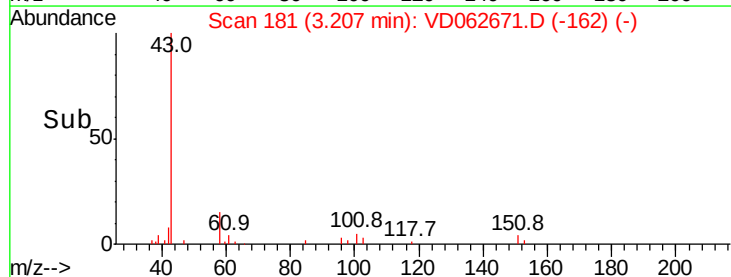
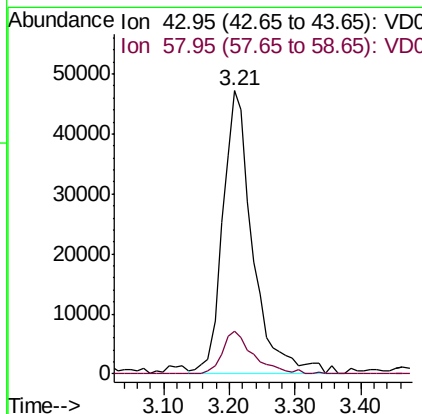
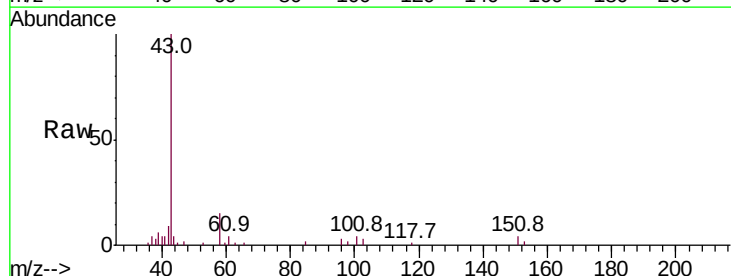
RT: 3.21 min Scan# 181

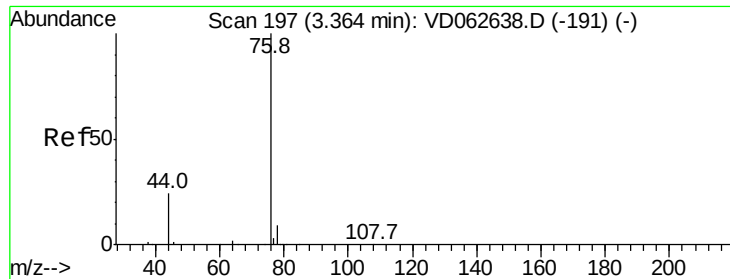
Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Tgt Ion:	43	Resp:	150291
Ion	Ratio	Lower	Upper
43	100		
58	15.0	10.8	16.2





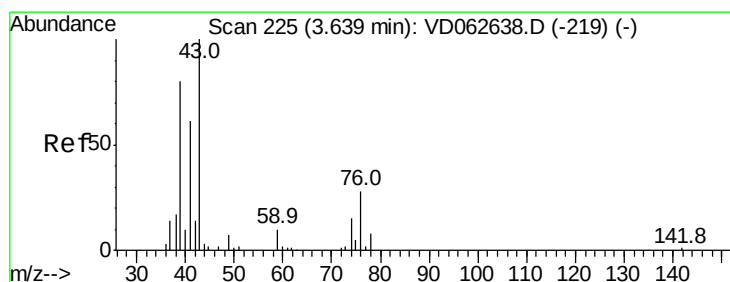
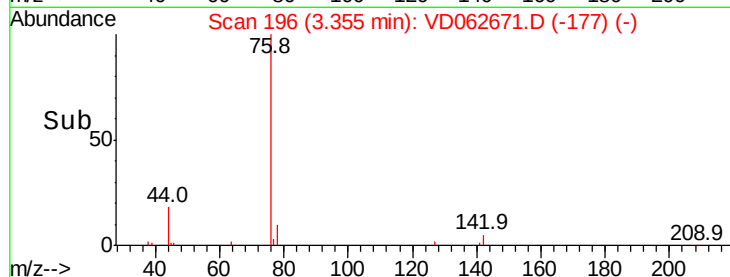
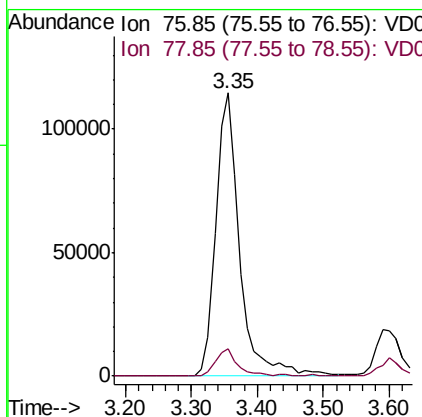
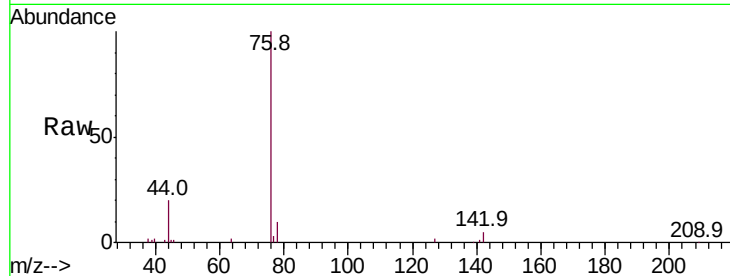
#17
Carbon Disulfide
Concen: 14.162 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion: 76 Resp: 286083
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4

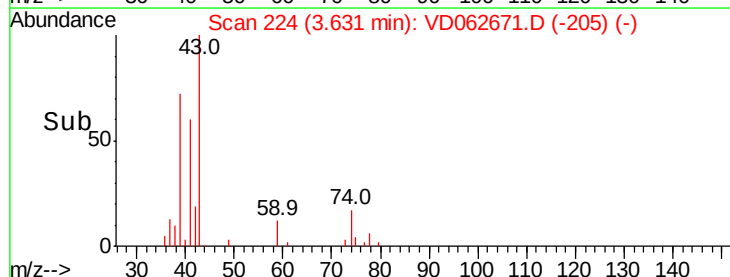
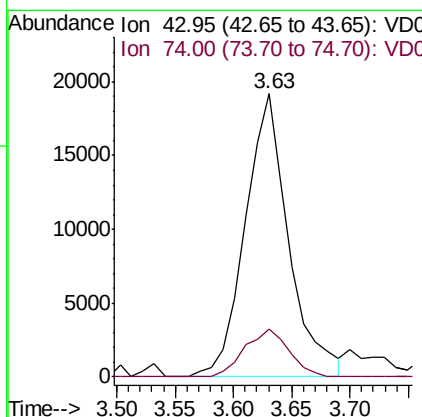
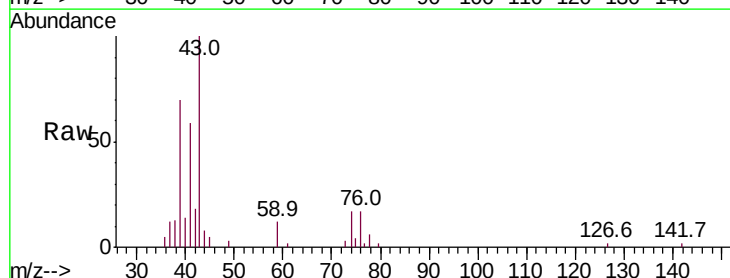
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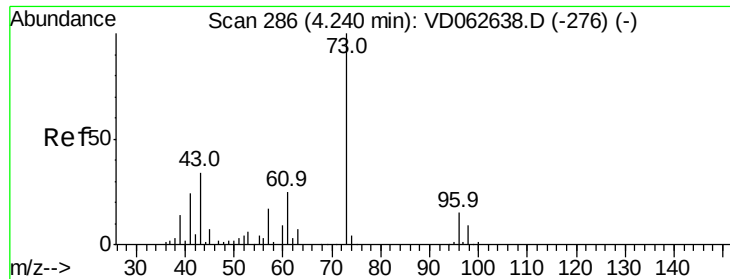
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6/13/2019 3:11:59 PM



#18
Methyl Acetate
Concen: 14.686 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion: 43 Resp: 49459
Ion Ratio Lower Upper
43 100
74 16.8 12.1 18.1





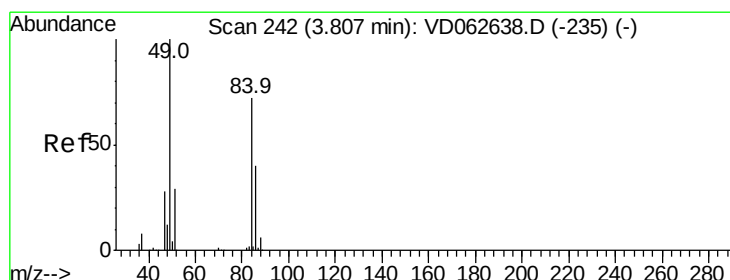
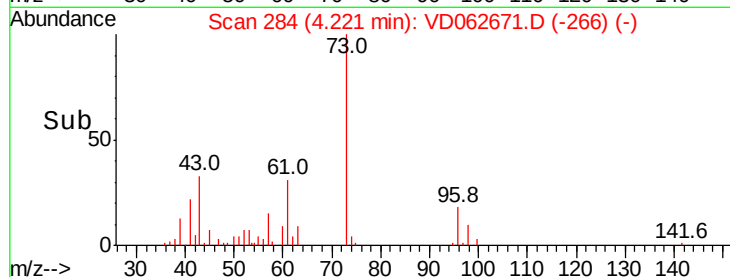
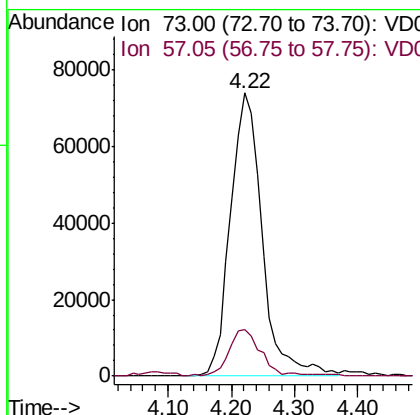
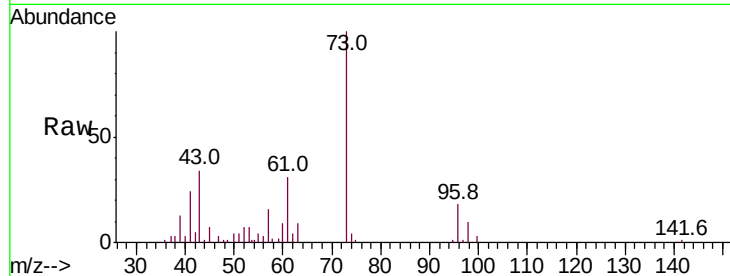
#19
Methyl tert-butyl Ether
Concen: 15.404 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.4	13.5	20.3

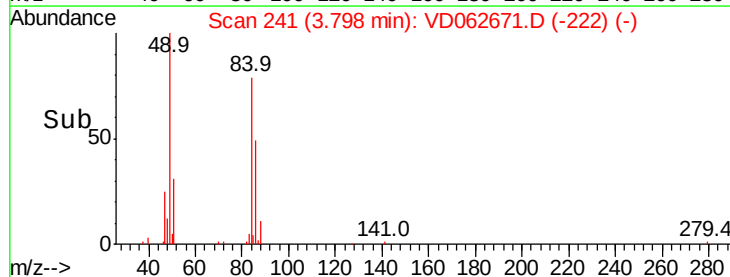
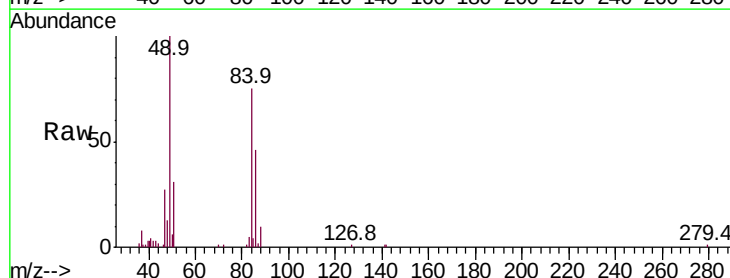
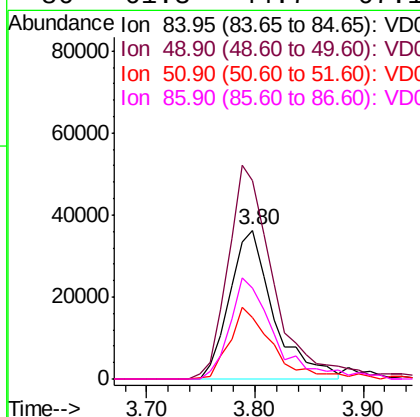
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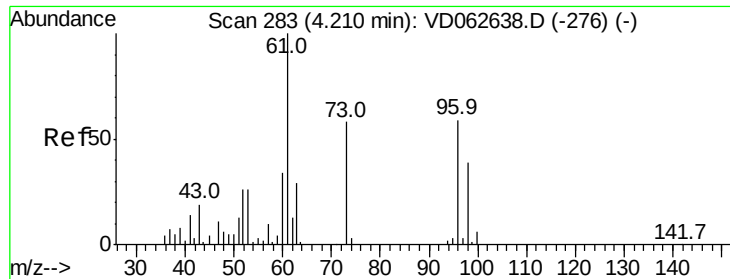
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6/13/2019 3:11:59 PM



#20
Methylene Chloride
Concen: 12.895 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.6	111.2	166.8
51	41.3	31.9	47.9
86	61.3	44.7	67.1





#21

trans-1,2-Dichloroethene

Concen: 15.300 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

Tot Ion: 96 Resp: 115045

Ion Ratio Lower Upper

96 100

61 152.6 134.6 201.8

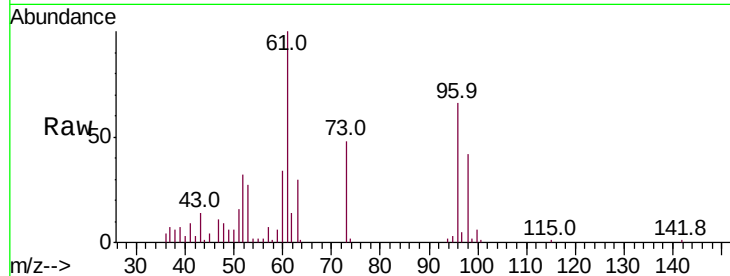
98 63.7 51.8 77.8

Manual Integrations

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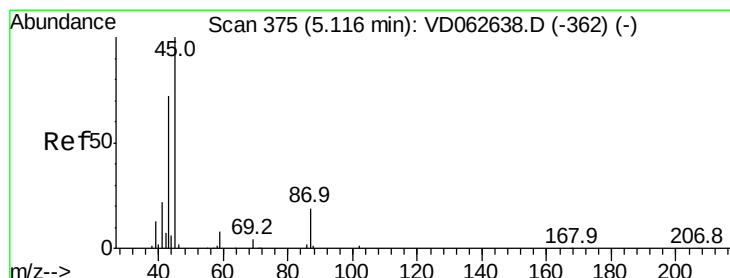
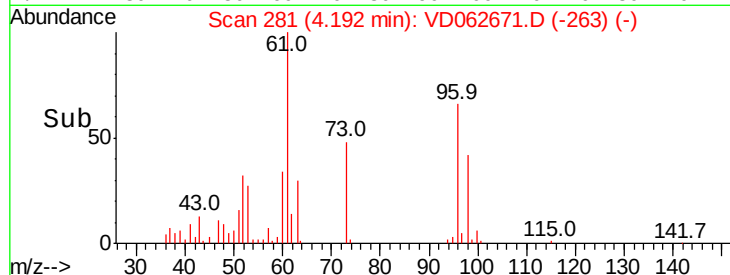
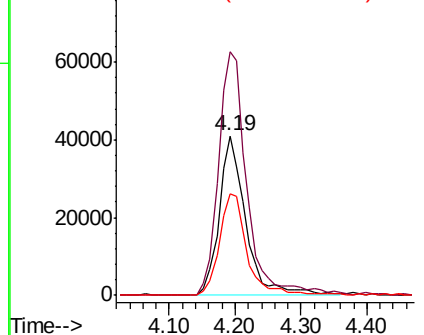
6/13/2019 3:11:59 PM



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: 15.345 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Tgt Ion: 45 Resp: 335821

Ion Ratio Lower Upper

45 100

43 74.4 58.8 88.2

87 19.9 15.7 23.5

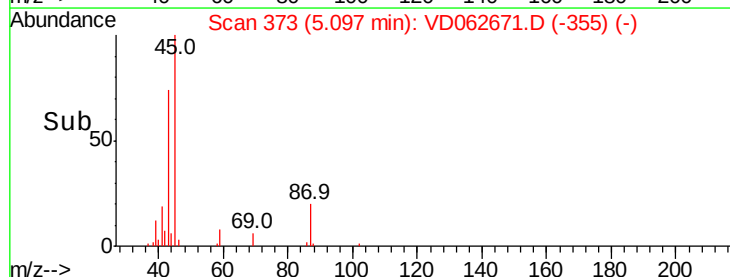
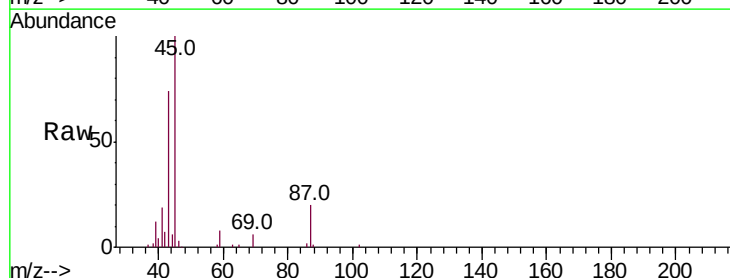
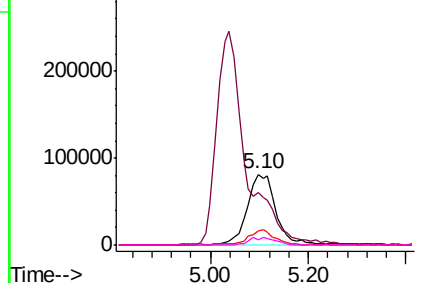
59 7.8 6.6 9.8

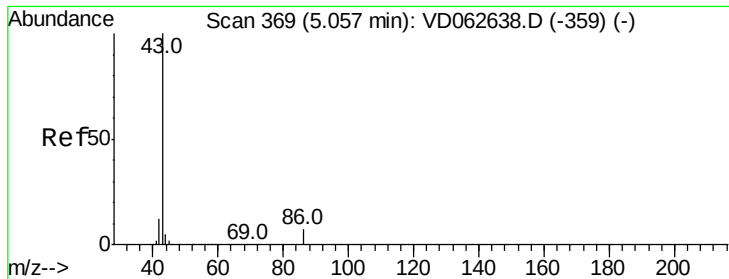
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 75.384 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Tot Ion: 43 Resp: 1023510

Ion Ratio Lower Upper

43 100

86 6.5 5.3 7.9

Instrument :

MSVOA_D

ClientSampleId :

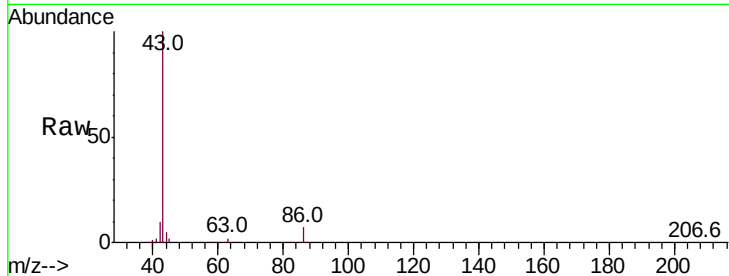
VD0612SBS01

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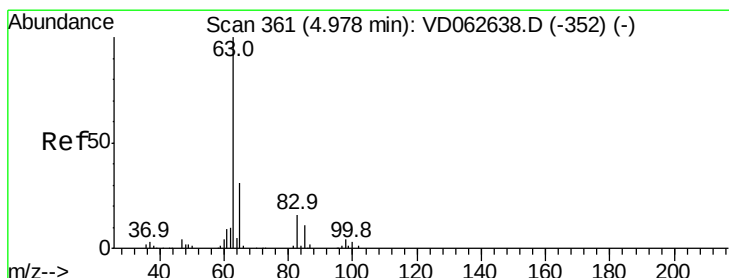
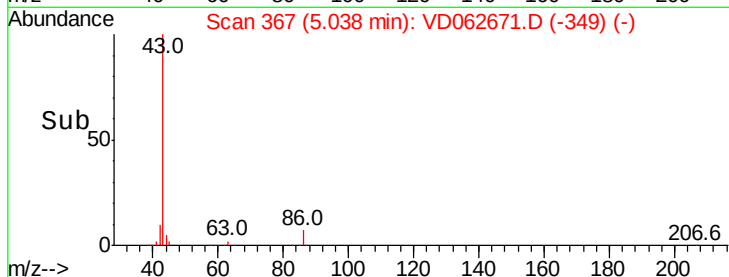
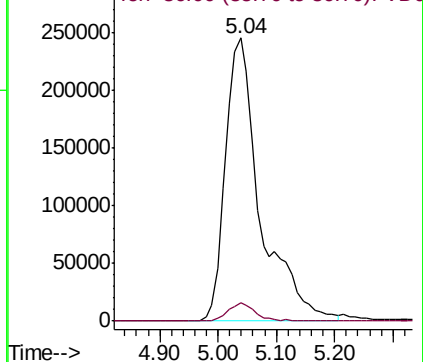
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6/13/2019 3:11:59 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 15.216 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

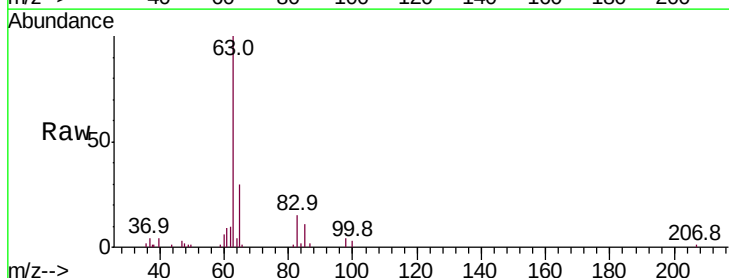
Tgt Ion: 63 Resp: 214231

Ion Ratio Lower Upper

63 100

98 4.1 1.8 5.4

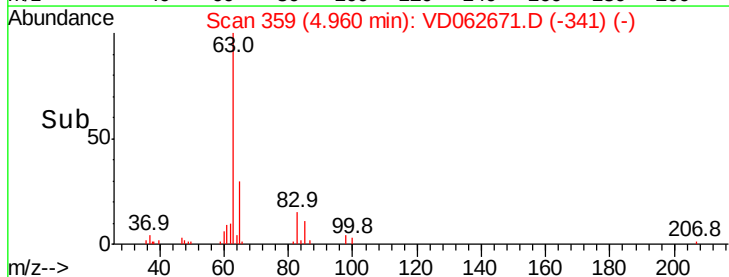
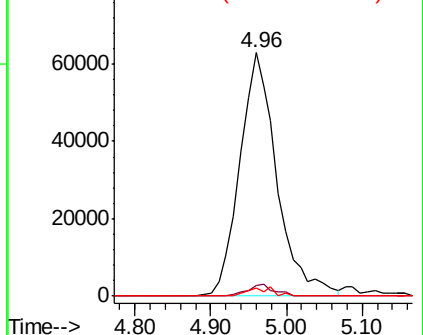
100 3.2 1.5 4.4

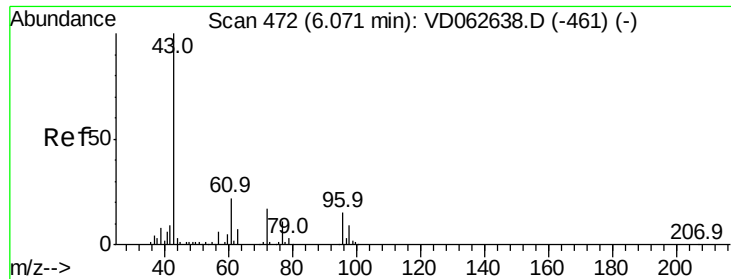


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 71.777 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion: 43 Resp: 143501

Ion Ratio Lower Upper

43 100

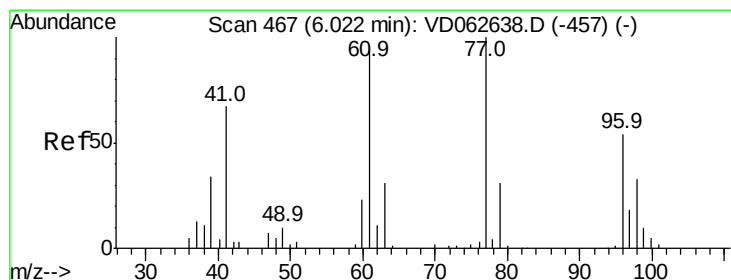
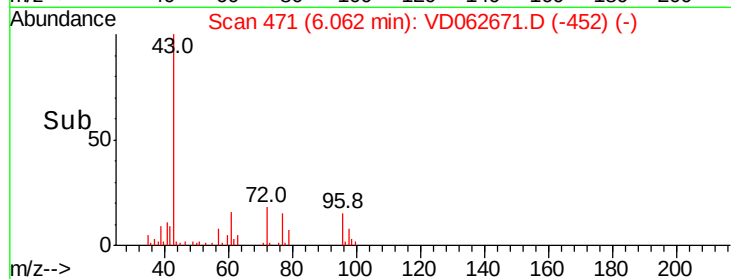
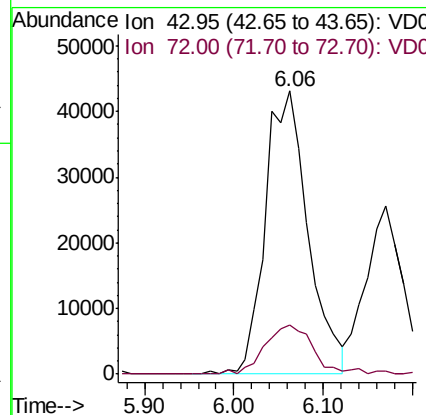
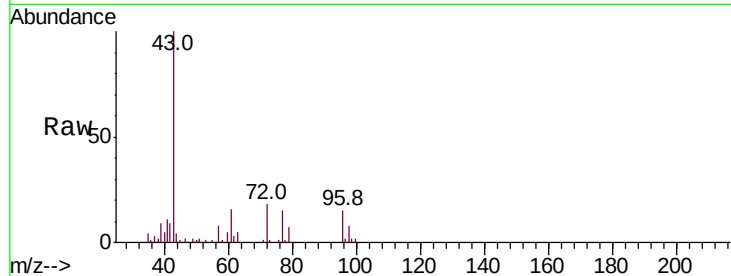
72 17.6 13.5 20.3

Manual Integrations

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6/13/2019 3:11:59 PM



#26

2,2-Dichloropropane

Concen: 15.182 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD062671.D

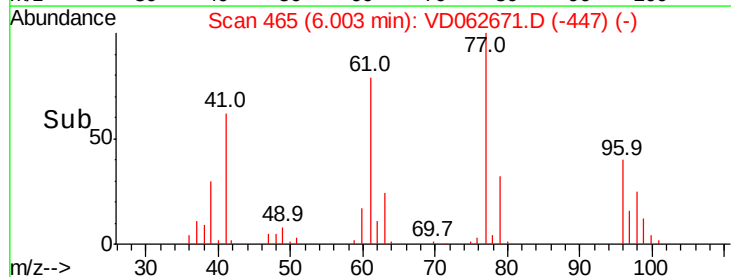
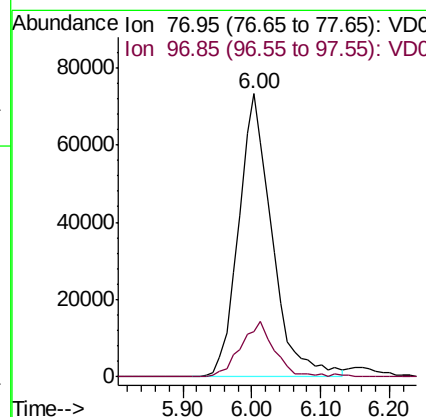
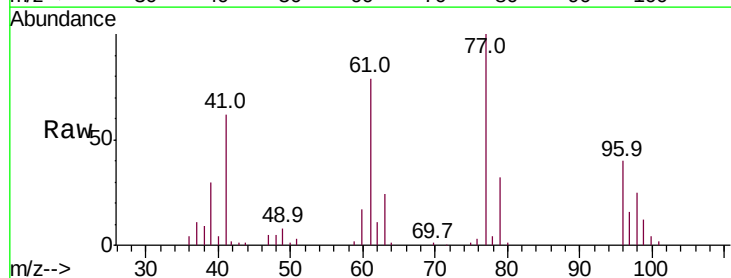
Acq: 12 Jun 2019 13:49

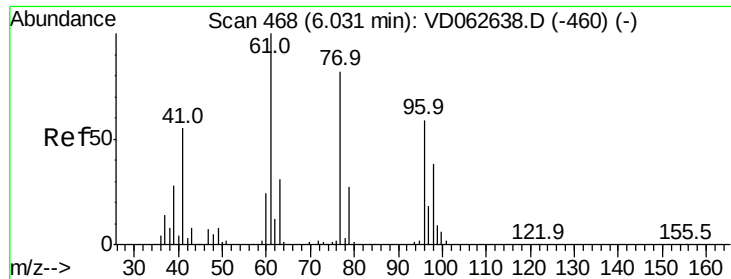
Tgt Ion: 77 Resp: 246346

Ion Ratio Lower Upper

77 100

97 16.1 8.8 26.5





#27

cis-1,2-Dichloroethene

Concen: 15.653 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

Tot Ion: 96 Resp: 127595

Ion Ratio Lower Upper

96 100

61 151.4 0.0 340.0

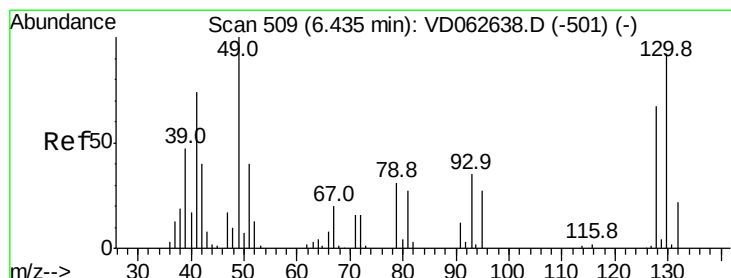
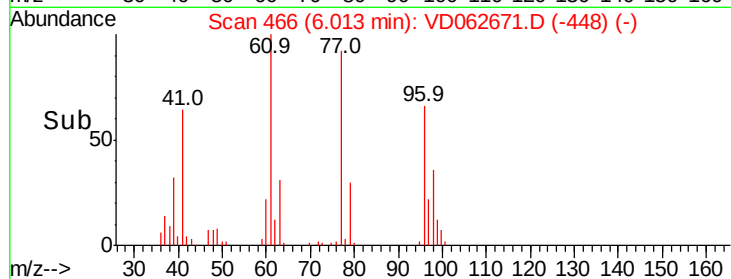
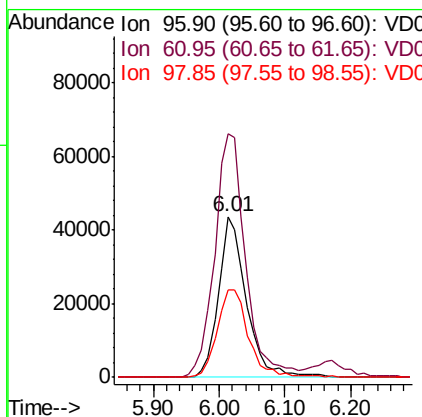
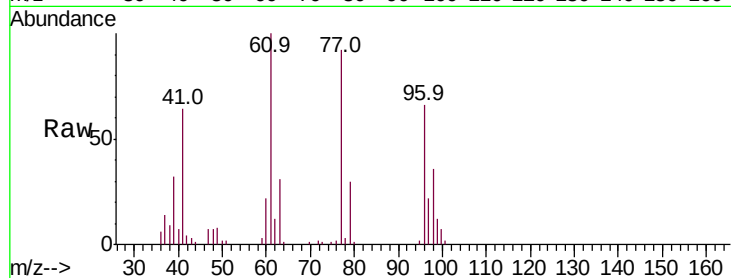
98 54.5 0.0 127.6

Manual Integrations

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#28

Bromochloromethane

Concen: 15.685 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

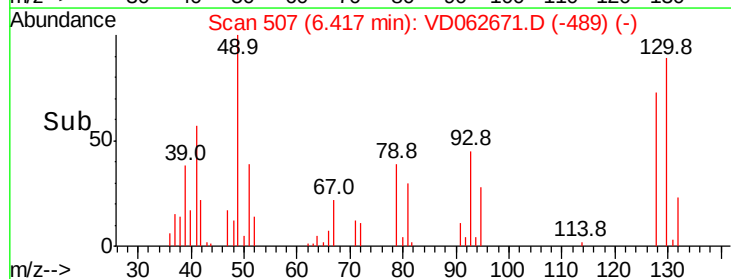
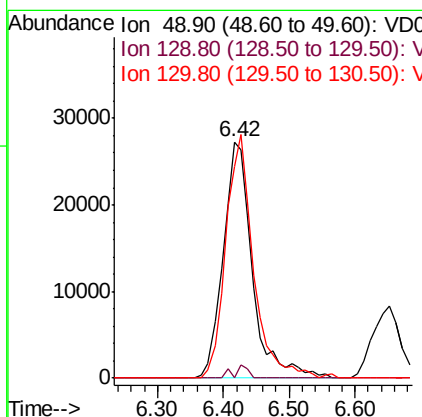
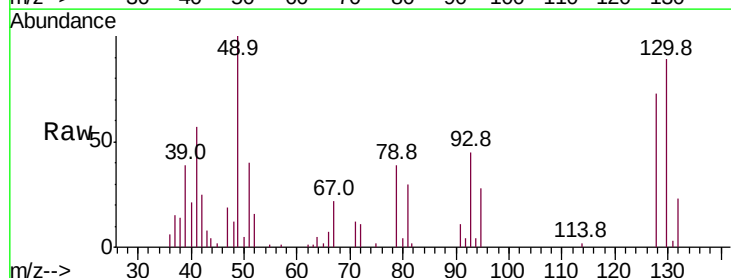
Tgt Ion: 49 Resp: 84415

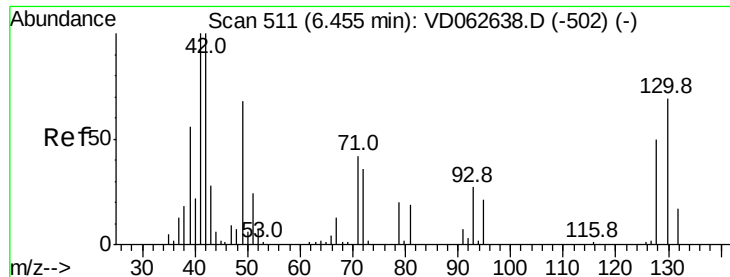
Ion Ratio Lower Upper

49 100

129 0.0 0.0 8.2

130 89.4 73.4 110.0





#29

Tetrahydrofuran

Concen: 74.893 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

Tot Ion: 42 Resp: 67429

Ion Ratio Lower Upper

42 100

72 38.4 33.8 50.6

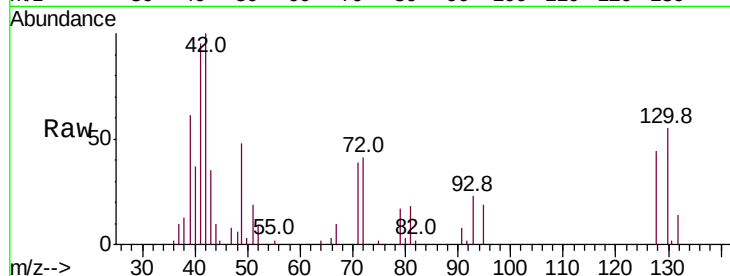
71 43.2 34.2 51.4

Manual Integrations

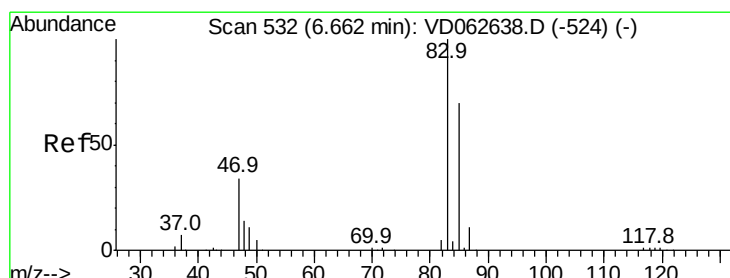
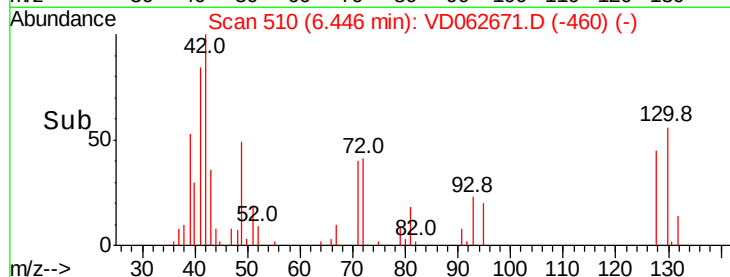
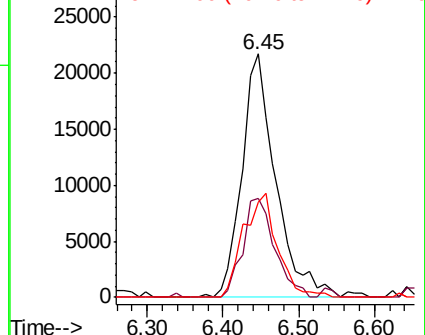
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Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 15.492 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062671.D

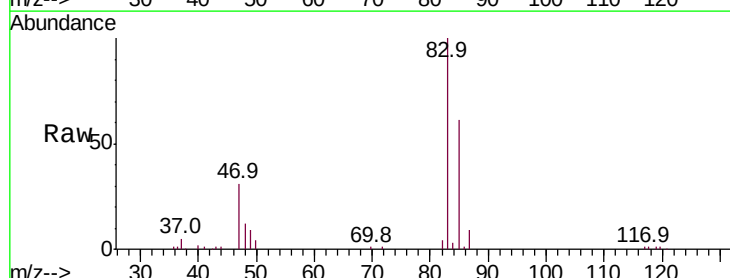
Acq: 12 Jun 2019 13:49

Tgt Ion: 83 Resp: 279846

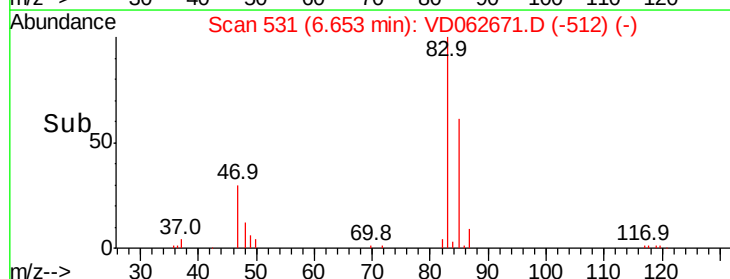
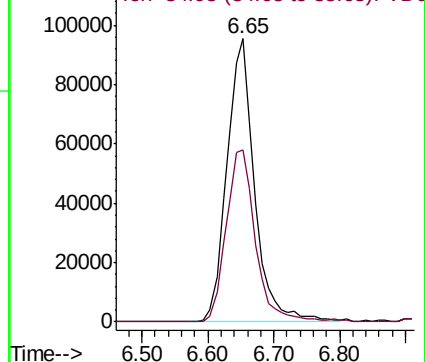
Ion Ratio Lower Upper

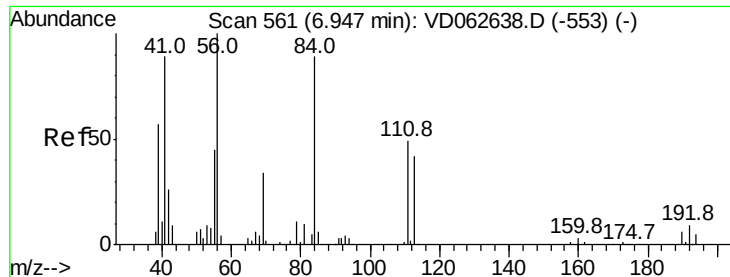
83 100

85 60.8 55.8 83.6



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





#31

Cyclohexane

Concen: 14.458 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

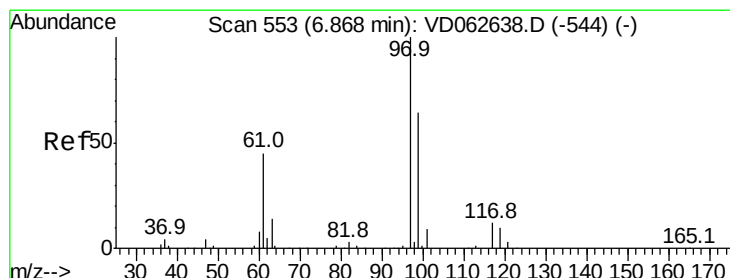
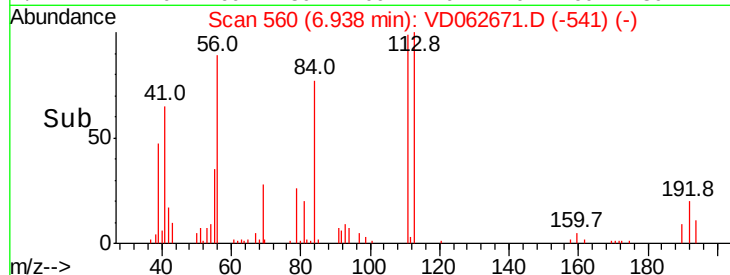
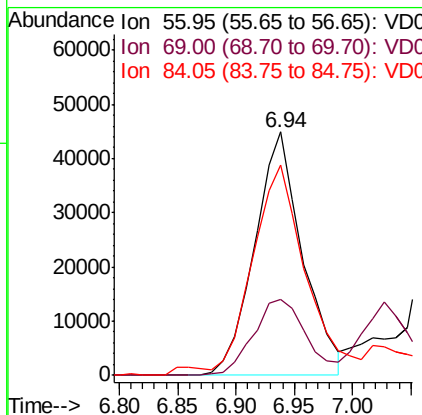
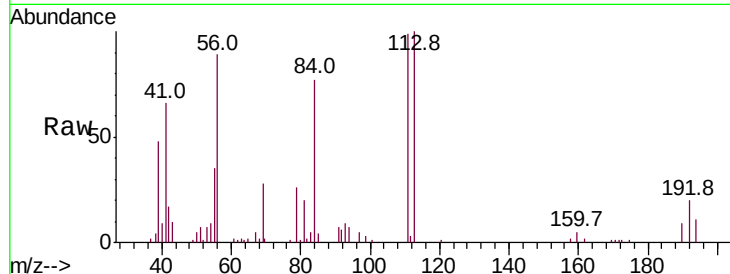
ClientSampleId :

VD0612SBS01

Tot Ion:	56	Resp:	127688
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.8	40.2
84	86.3	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 15.906 ug/l

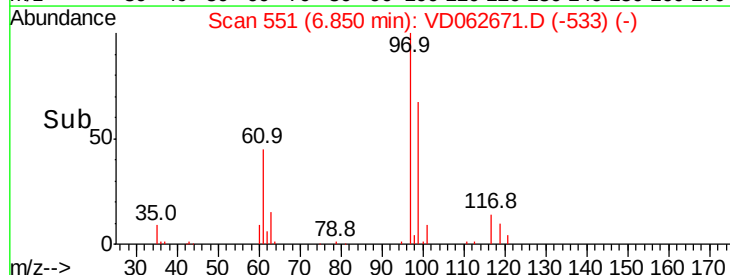
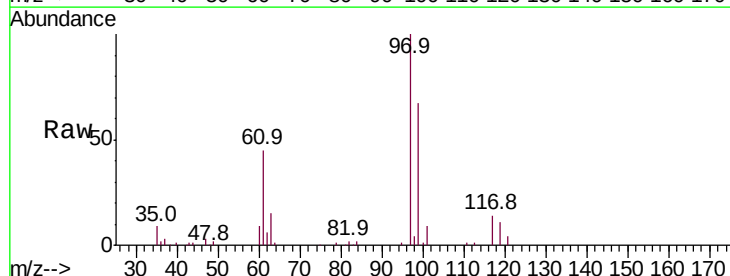
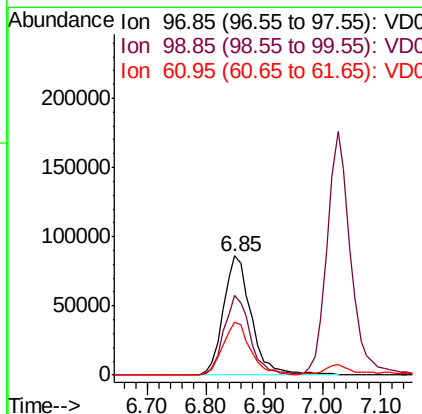
RT: 6.85 min Scan# 551

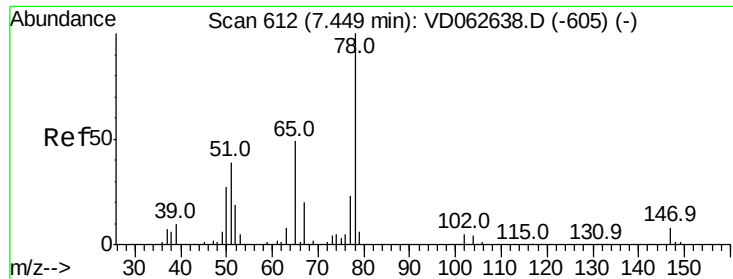
Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Tgt Ion:	97	Resp:	285905
Ion	Ratio	Lower	Upper
97	100		
99	67.2	51.4	77.0
61	44.9	35.6	53.4





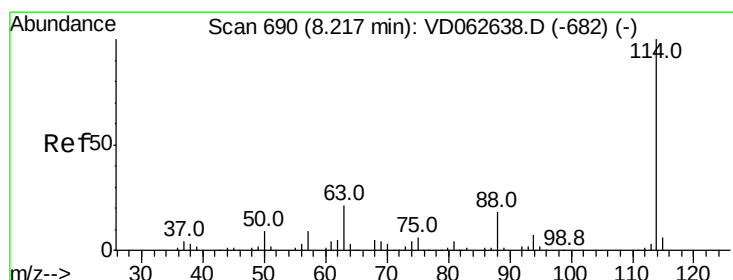
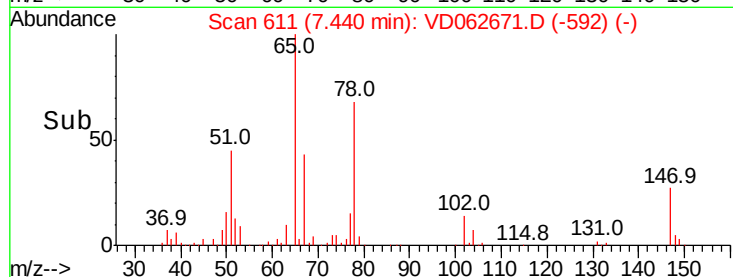
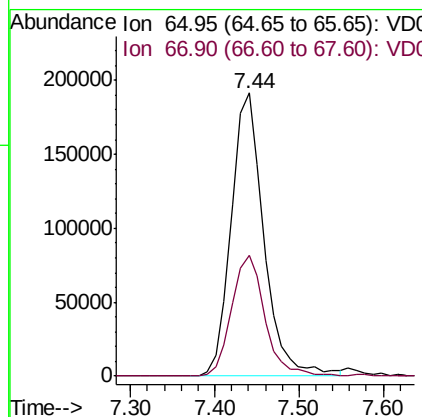
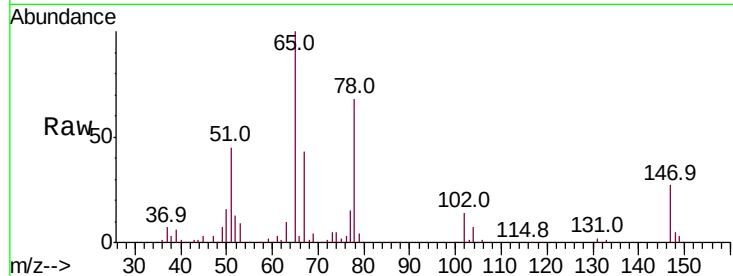
#33
 1,2-Dichloroethane-d4
 Concen: 46.236 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Tot Ion: 65 Resp: 517445
 Ion Ratio Lower Upper
 65 100
 67 42.6 0.0 81.8

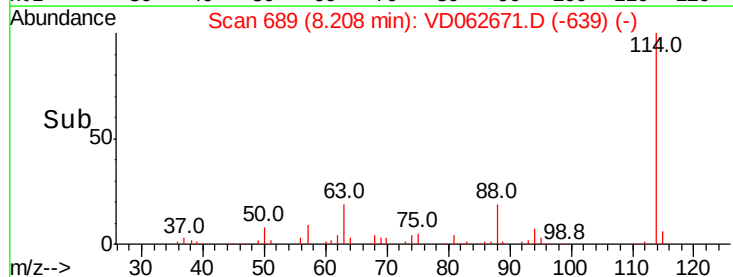
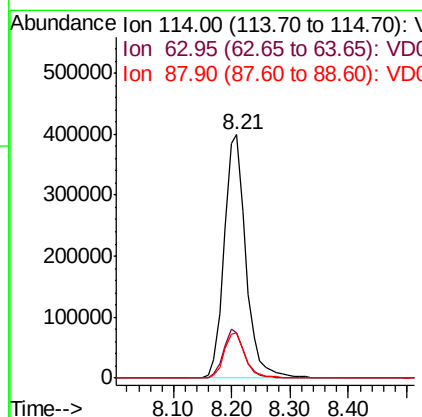
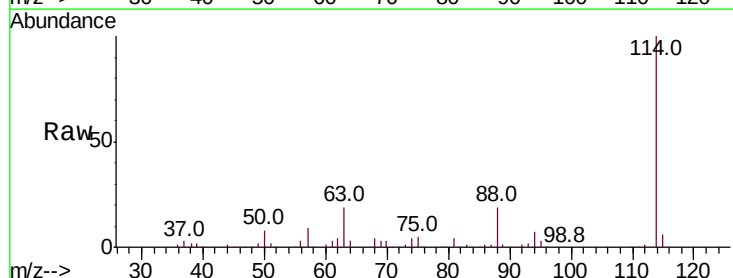
Manual Integrations
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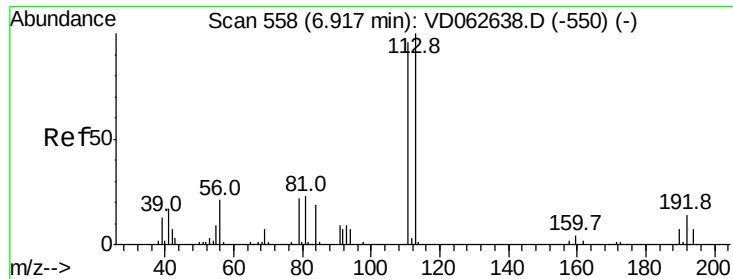
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Tgt Ion: 114 Resp: 1030518
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 42.4
 88 18.5 0.0 36.8





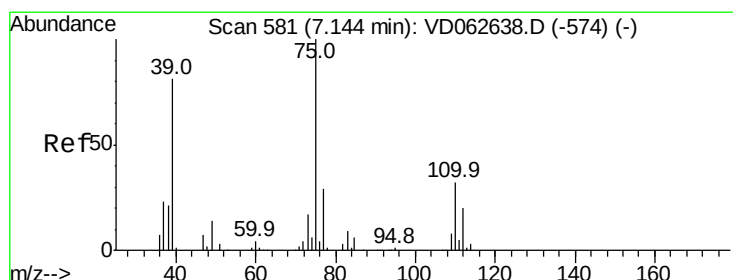
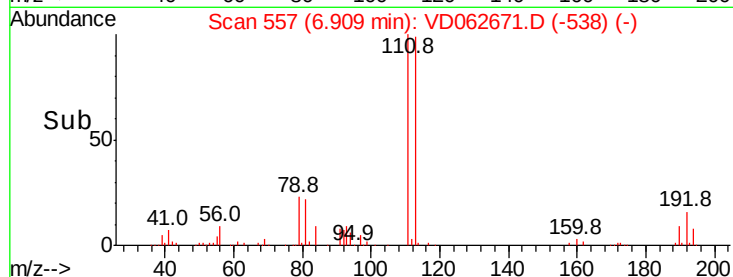
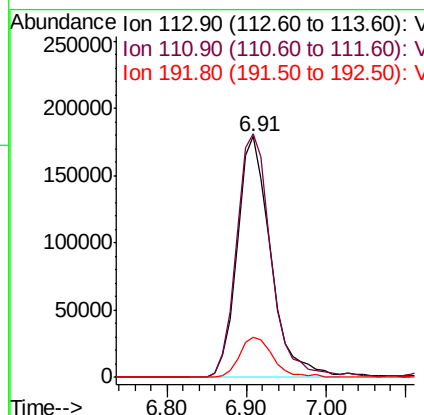
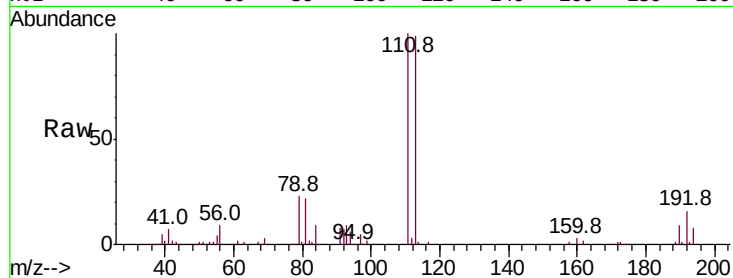
#35
 Dibromofluoromethane
 Concen: 48.090 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	522653		
111	101.1	76.4	114.6	
192	16.4	11.4	17.0	

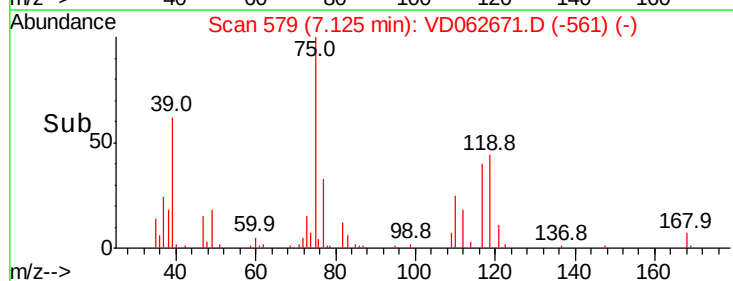
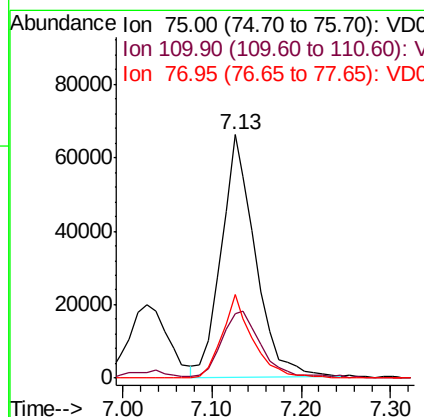
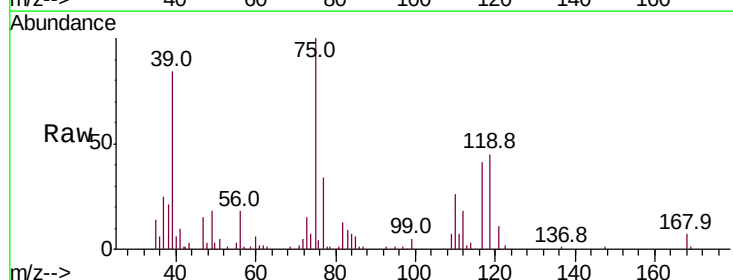
Manual Integrations
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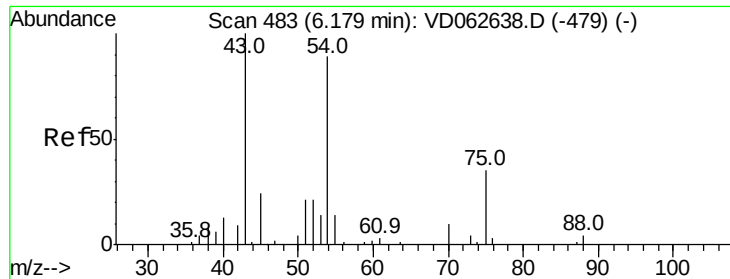
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 14.868 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. -0.02 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	175358		
110	26.3	15.9	47.7	
77	34.5	23.3	34.9	





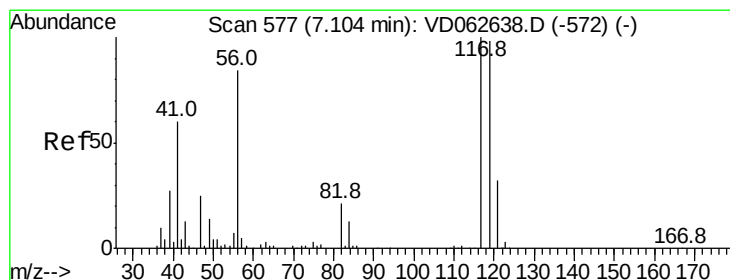
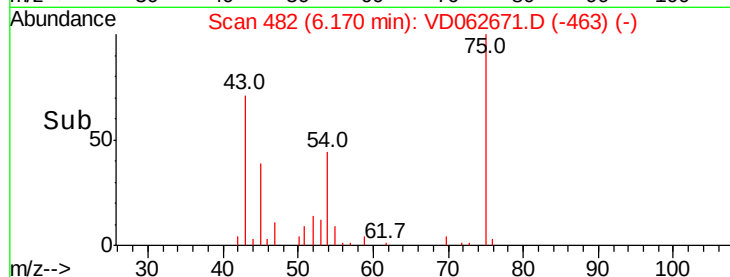
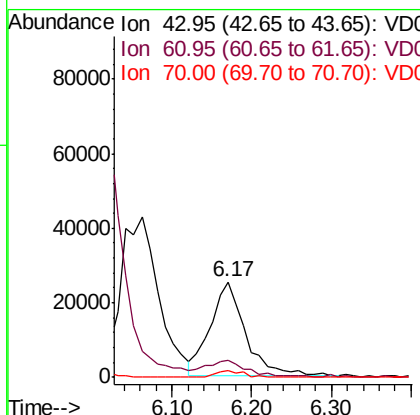
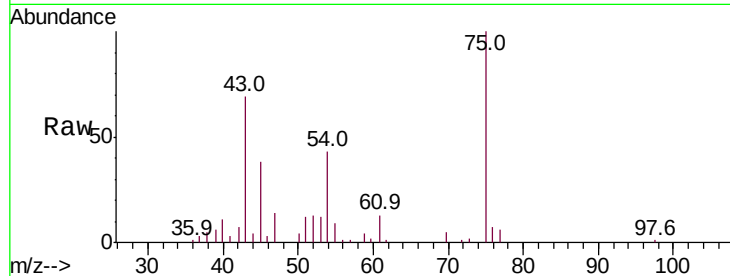
#37
Ethyl Acetate
Concen: 16.250 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion: 43 Resp: 77544
Ion Ratio Lower Upper
43 100
61 18.5 8.7 13.1#
70 6.6 6.5 9.7

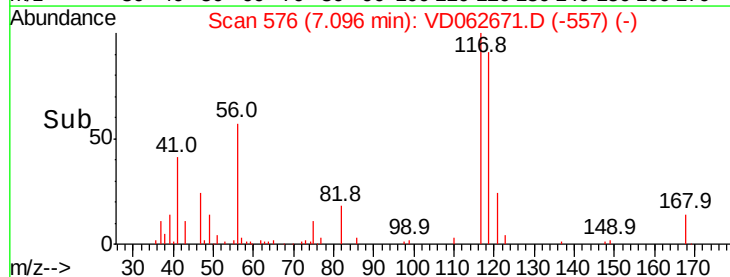
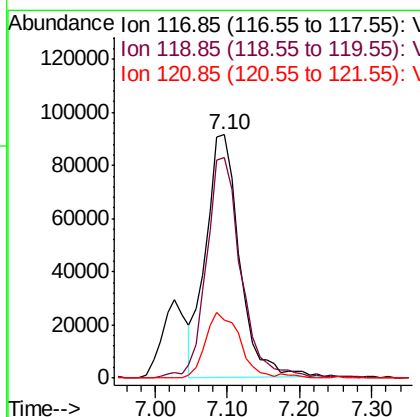
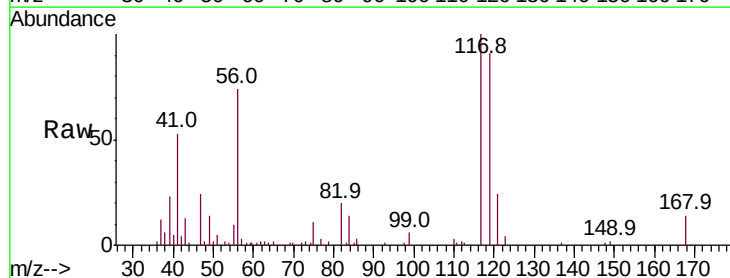
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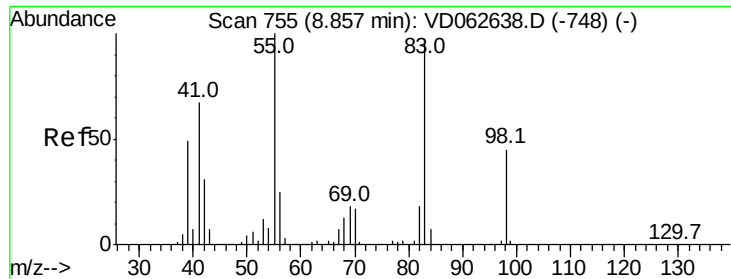
MMDadoda
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#38
Carbon Tetrachloride
Concen: 15.737 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion: 117 Resp: 293378
Ion Ratio Lower Upper
117 100
119 90.6 73.5 110.3
121 24.0 24.2 36.4#





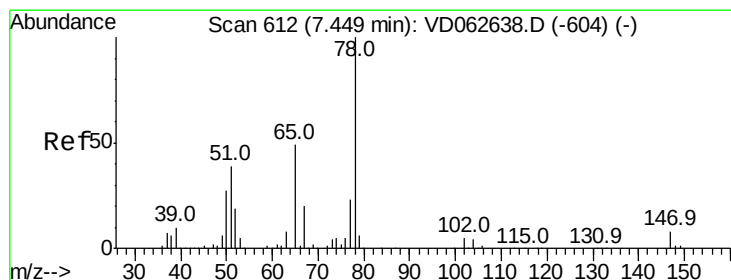
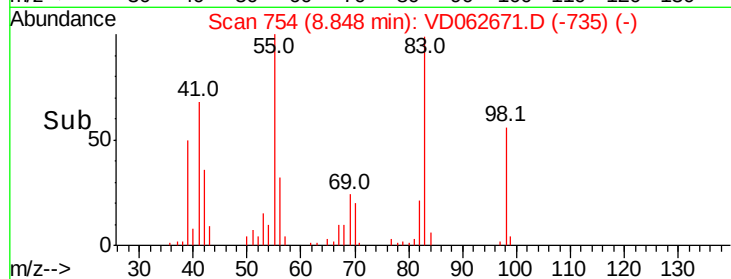
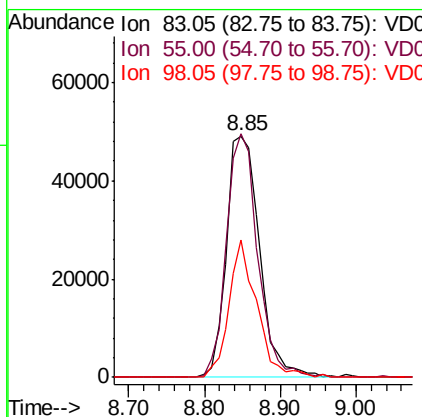
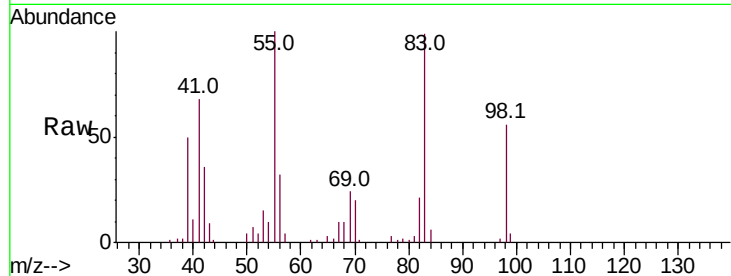
#39
Methylvlcyclohexane
Concen: 15.545 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	100.9	84.6	127.0
98	56.8	38.2	57.4

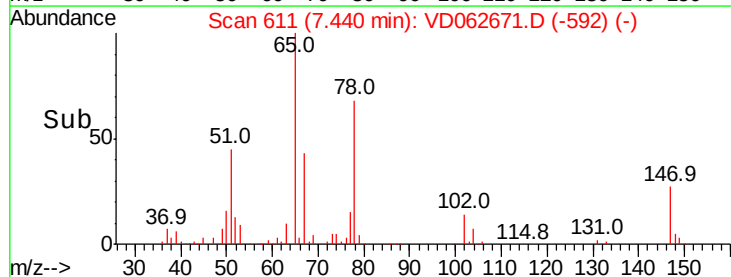
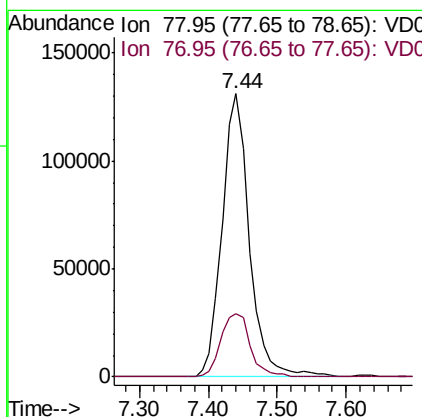
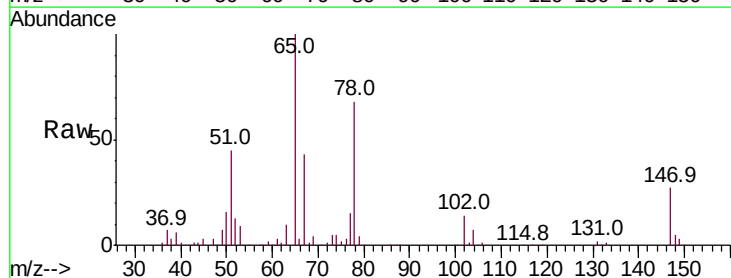
Manual Integrations
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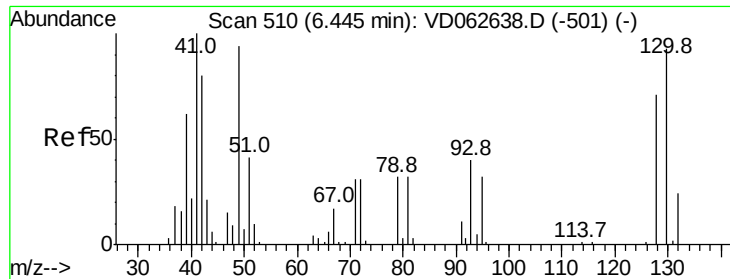
MMDadoda
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#40
Benzene
Concen: 15.606 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.6	28.0





#41

Methacrylonitrile

Concen: 14.662 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

Tot Ion: 41 Resp: 90521

Ion Ratio Lower Upper

41 100

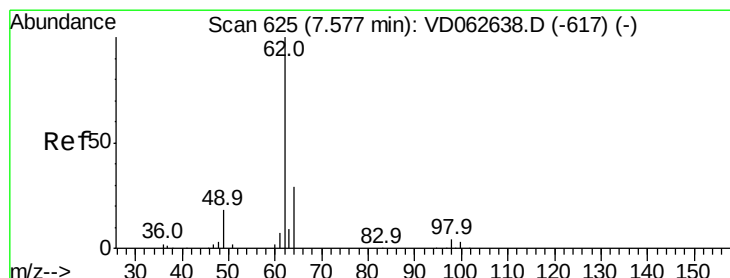
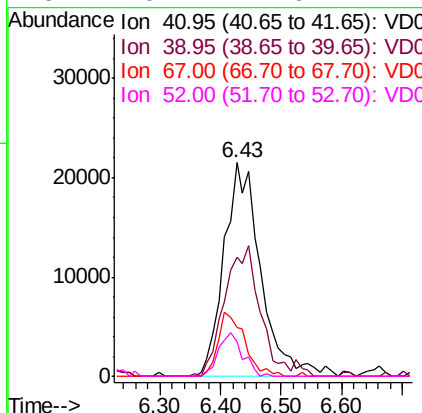
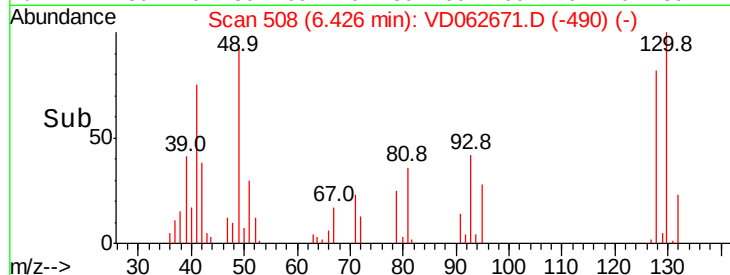
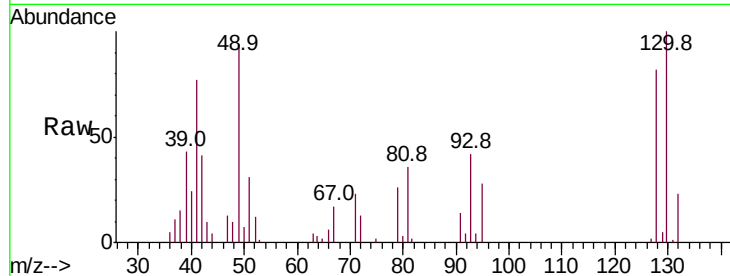
39 55.6 49.2 73.8

67 22.7 13.9 20.9#

52 16.1 7.6 11.4#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 14.470 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.02 min

Lab File: VD062671.D

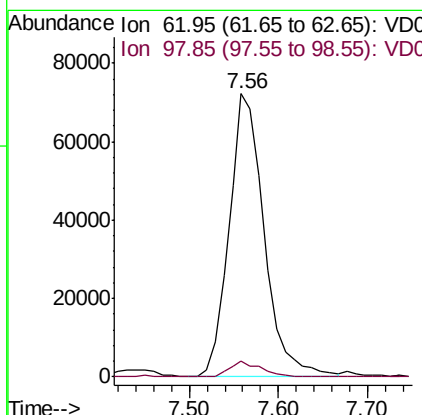
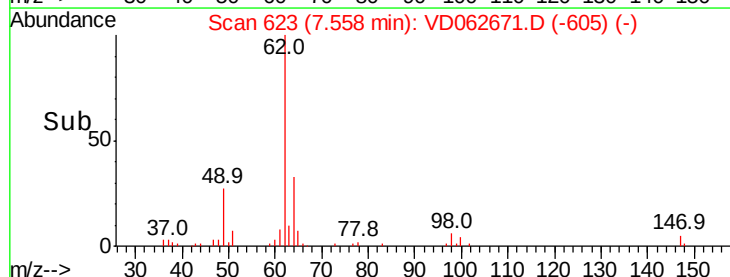
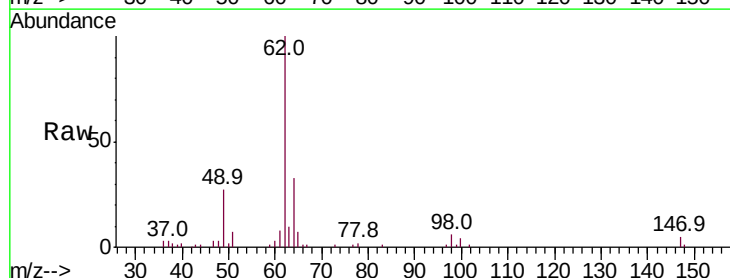
Acq: 12 Jun 2019 13:49

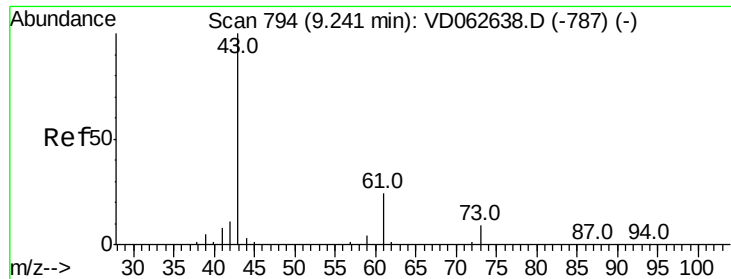
Tgt Ion: 62 Resp: 198658

Ion Ratio Lower Upper

62 100

98 5.6 0.0 7.4





#43

Isopropyl Acetate

Concen: 15.357 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

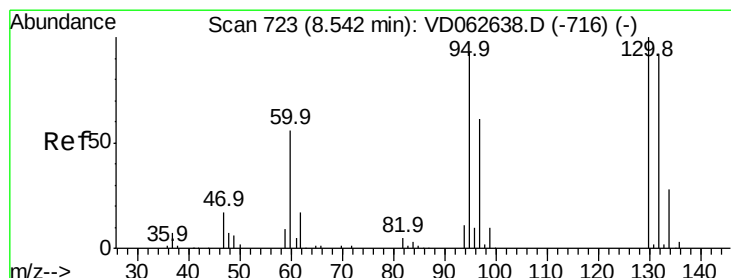
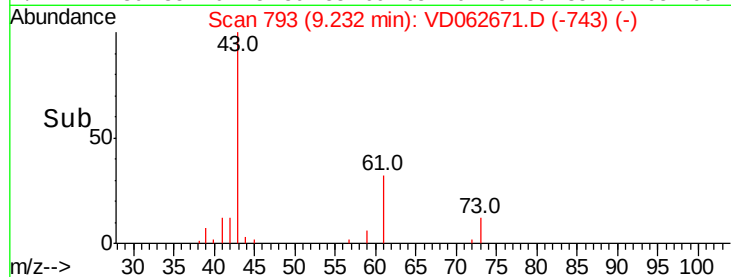
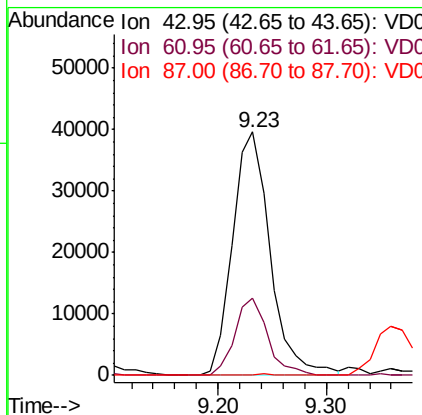
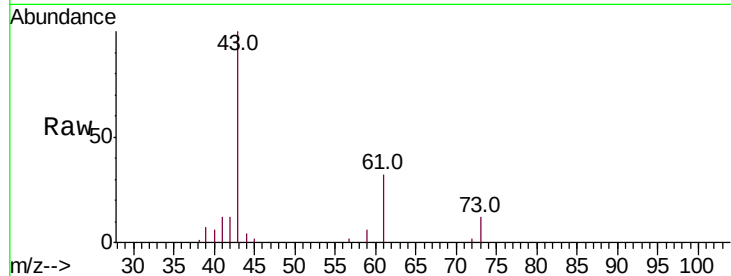
ClientSampleId :

VD0612SBSD01

Tot Ion:	43	Resp:	95568
Ion Ratio	Lower	Upper	
43	100		
61	31.9	19.0	28.6#
87	0.0	0.3	0.5#

Manual Integrations
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#44

Trichloroethene

Concen: 15.591 ug/l

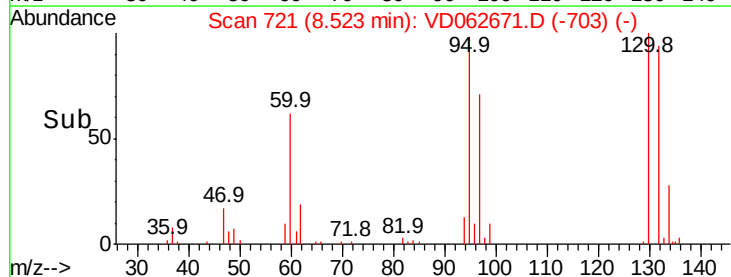
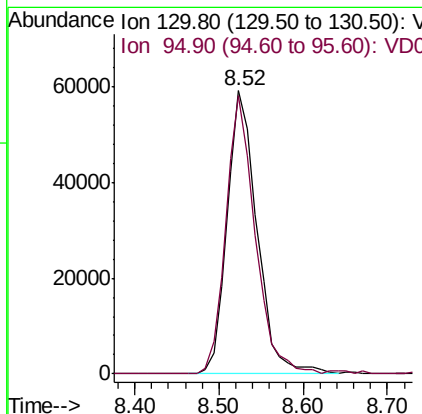
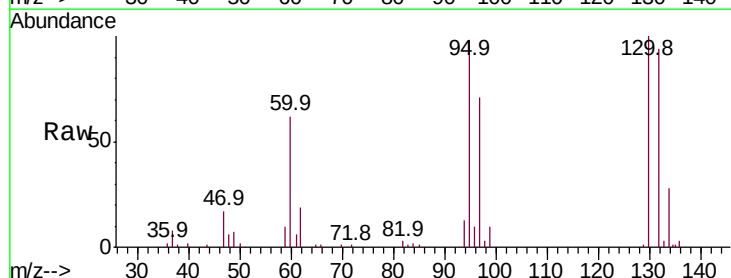
RT: 8.52 min Scan# 721

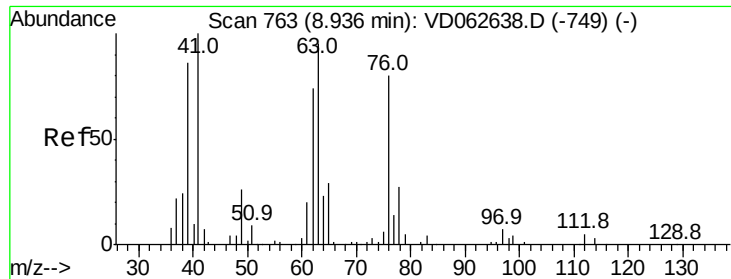
Delta R.T. -0.02 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Tgt Ion:	130	Resp:	145788
Ion Ratio	Lower	Upper	
130	100		
95	98.3	0.0	185.6





#45

1,2-Dichloropropane

Concen: 16.655 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

Tot Ion: 63 Resp: 92142

Ion Ratio Lower Upper

63 100

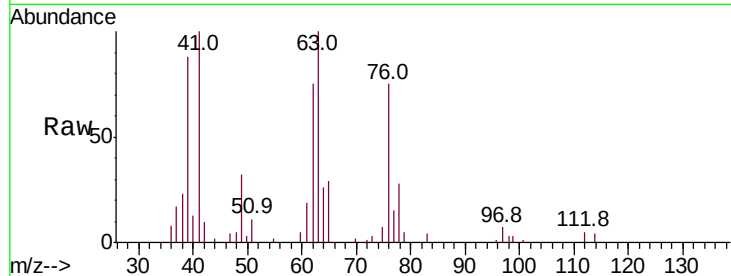
65 29.4 24.6 37.0

Manual Integrations

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6/13/2019 3:11:59 PM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

40000

30000

20000

10000

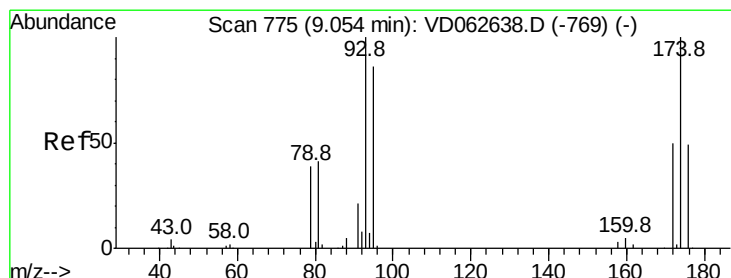
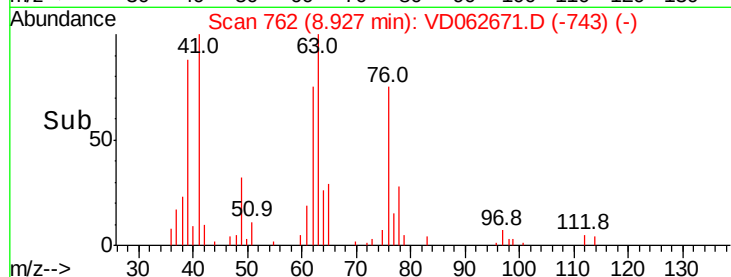
0

8.80

8.90

9.00

Time-->



#46

Dibromomethane

Concen: 15.422 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

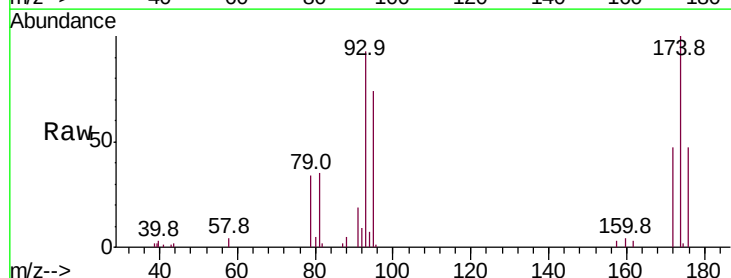
Tgt Ion: 93 Resp: 75734

Ion Ratio Lower Upper

93 100

95 79.1 68.7 103.1

174 107.6 79.8 119.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.04

40000

30000

20000

10000

0

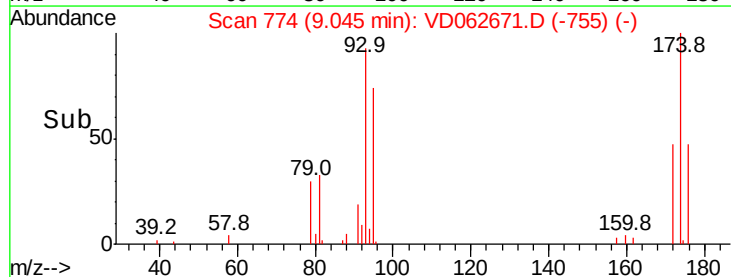
8.90

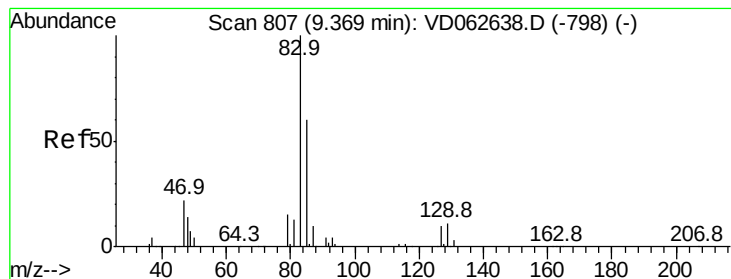
9.00

9.10

9.20

Time-->





#47

Bromodichloromethane

Concen: 16.034 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

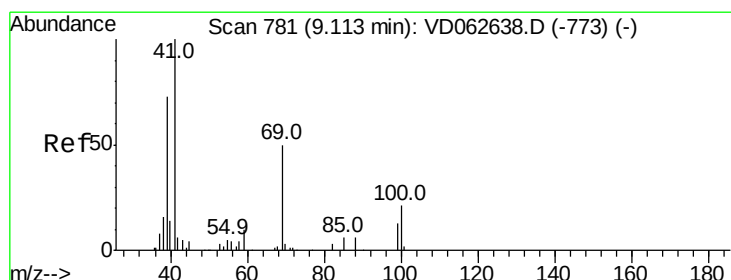
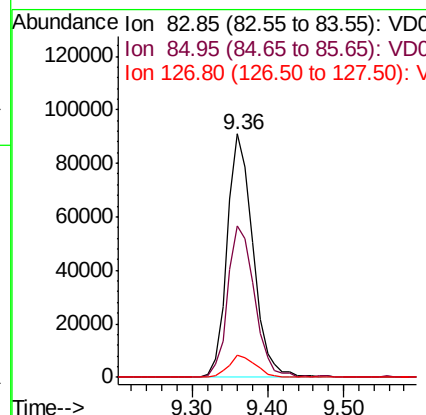
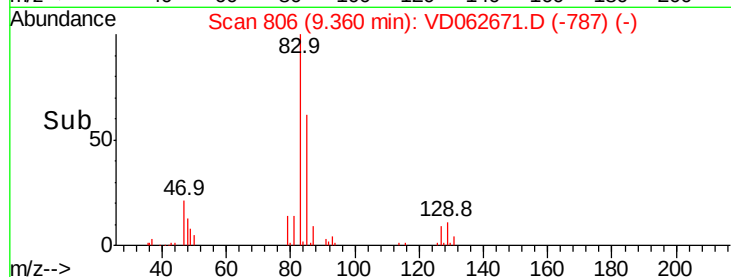
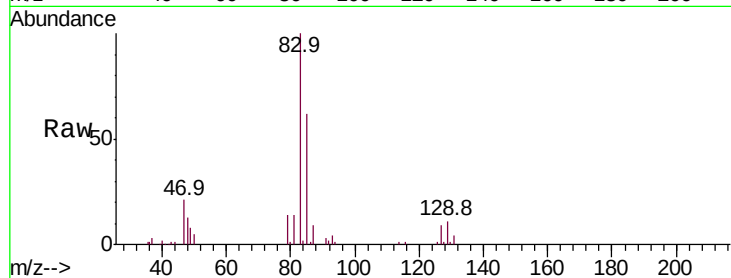
ClientSampleId :

VD0612SBSD01

Tot Ion:	83	Resp:	214193
Ion	Ratio	Lower	Upper
83	100		
85	62.4	47.9	71.9
127	9.4	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 15.949 ug/l

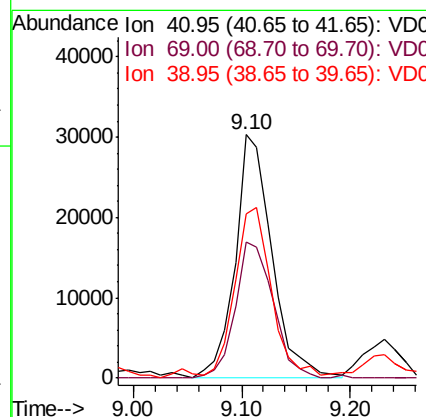
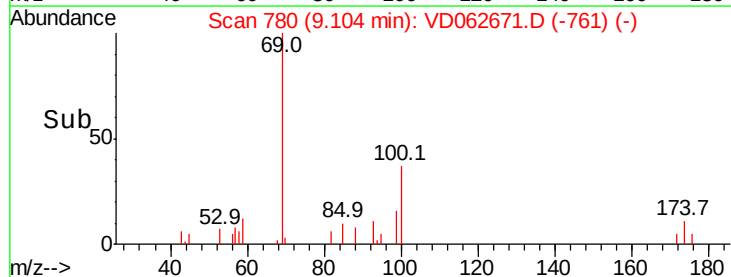
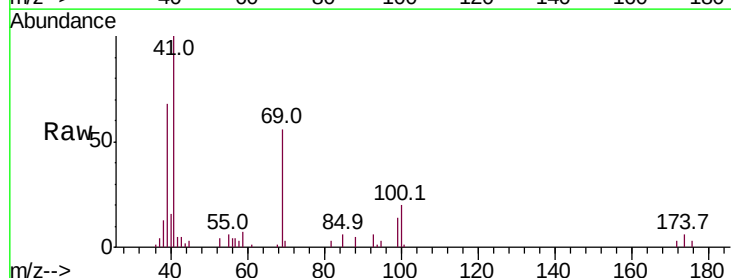
RT: 9.10 min Scan# 780

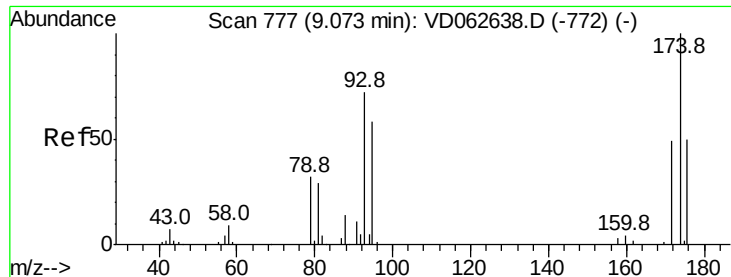
Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Tgt Ion:	41	Resp:	71705
Ion	Ratio	Lower	Upper
41	100		
69	55.9	39.8	59.6
39	67.7	59.1	88.7





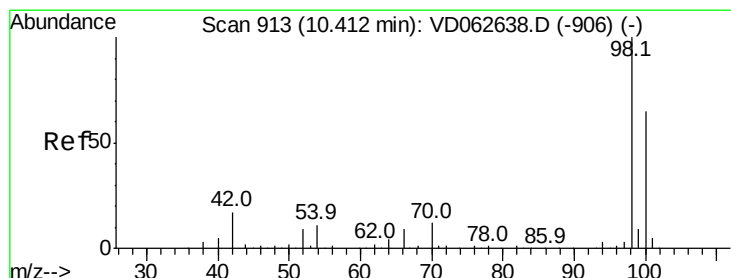
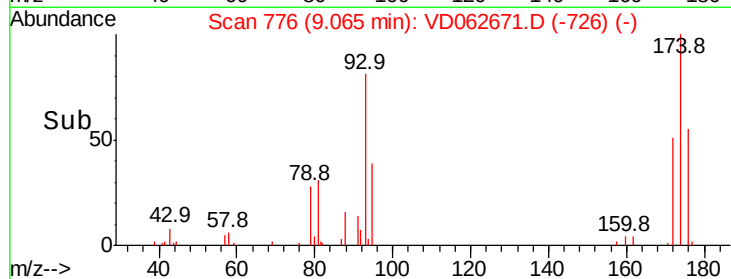
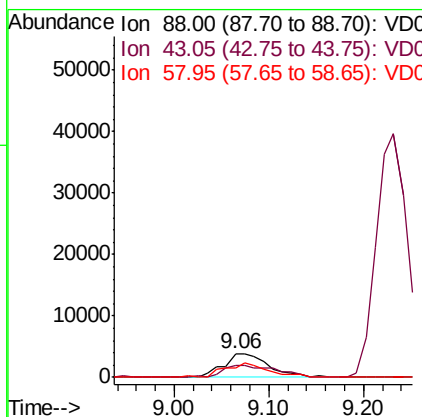
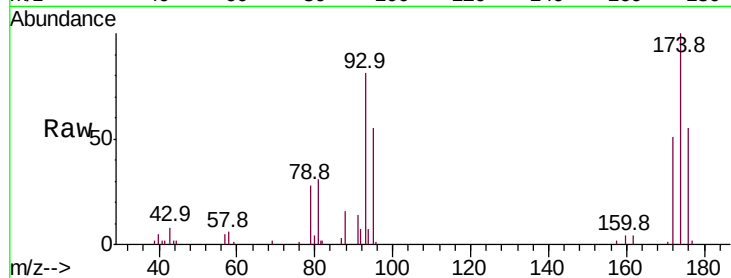
#49
1,4-Dioxane
Concen: 349.695 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	62.7	40.7	61.1#
58	38.6	54.2	81.4#

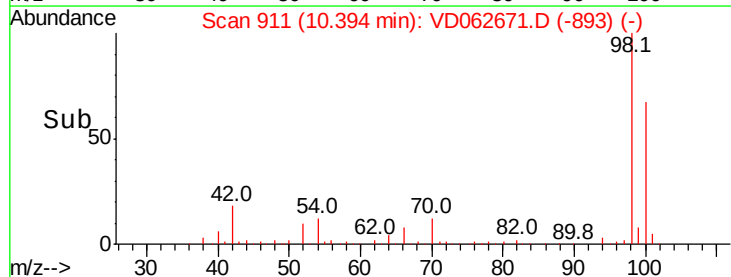
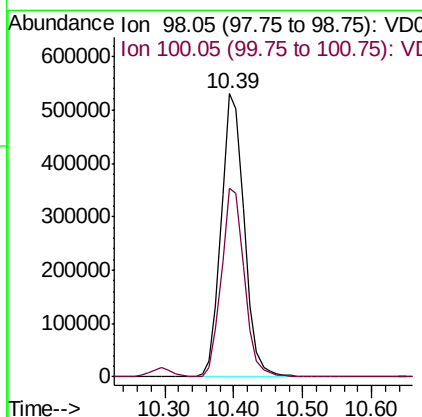
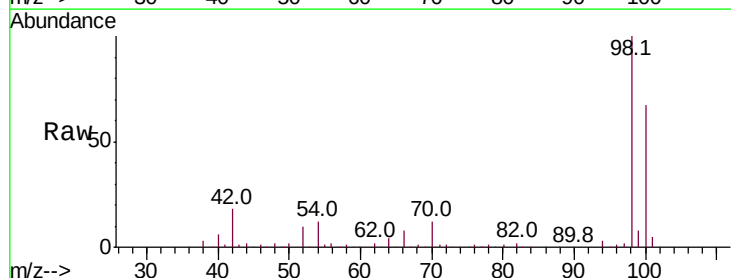
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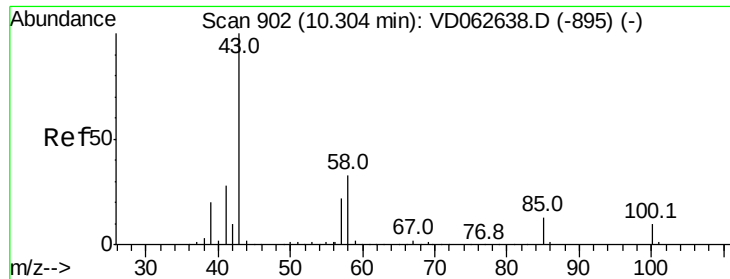
MMDadoda
6/13/2019 3:11:59 PM



#50
Toluene-d8
Concen: 53.895 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 78.629 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion: 43 Resp: 342387

Ion Ratio Lower Upper

43 100

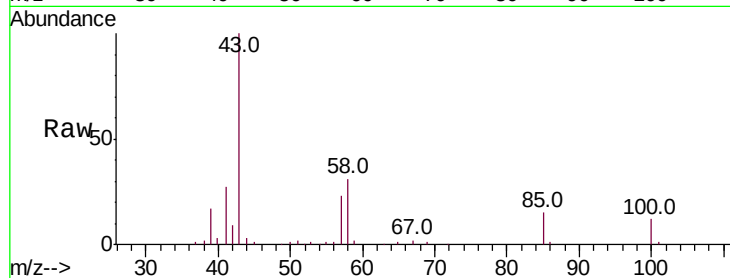
58 30.6 26.1 39.1

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

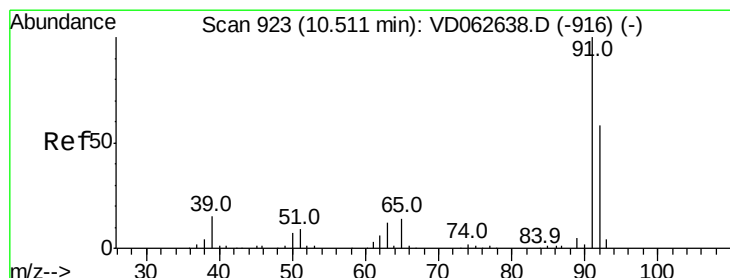
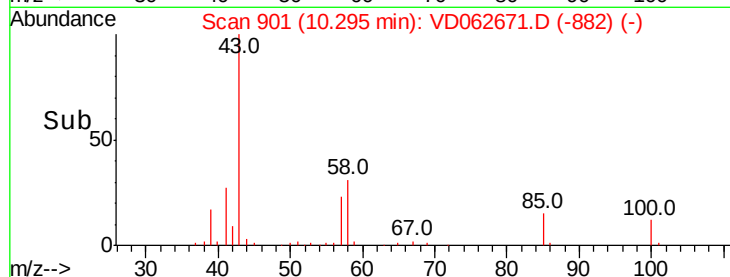
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 14.600 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD062671.D

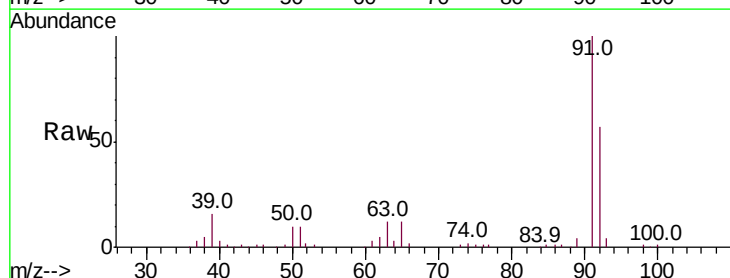
Acq: 12 Jun 2019 13:49

Tgt Ion: 92 Resp: 226048

Ion Ratio Lower Upper

92 100

91 174.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

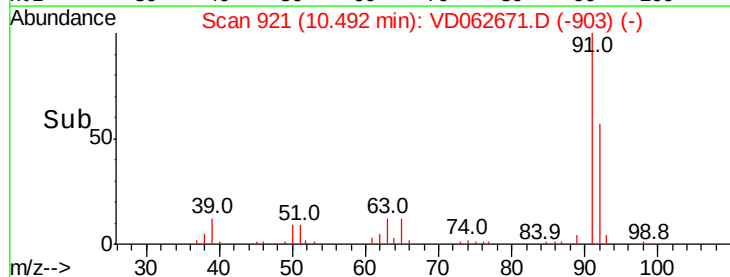
150000

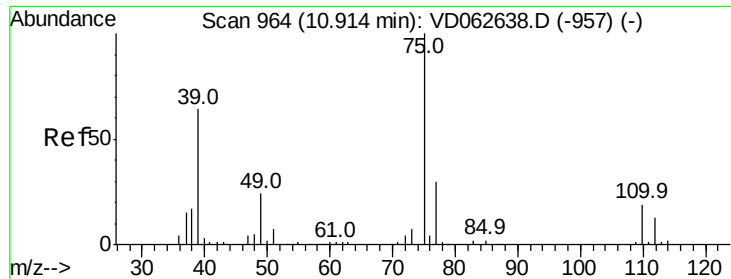
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.106 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

Tot Ion: 75 Resp: 176405

Ion Ratio Lower Upper

75 100

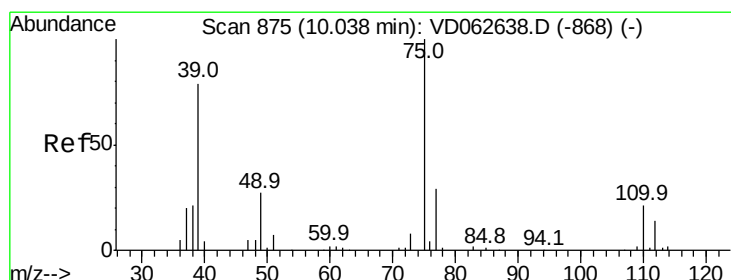
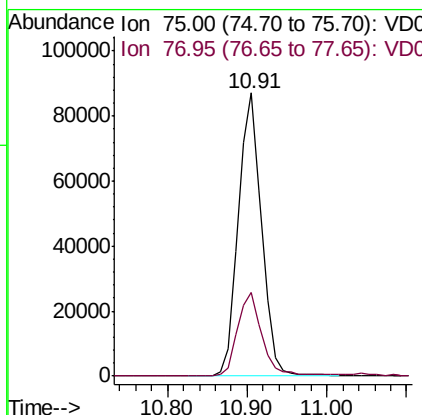
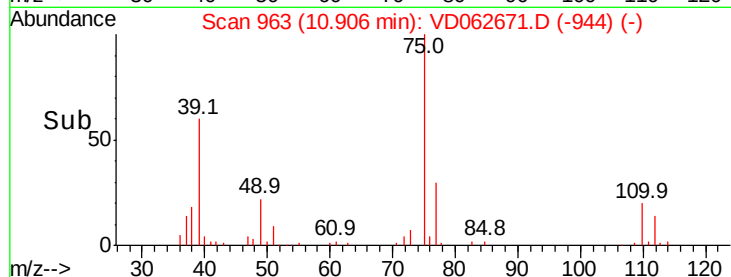
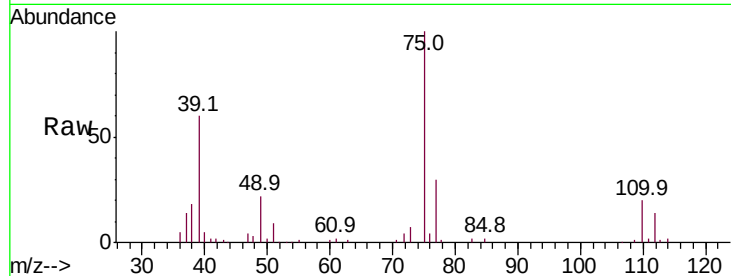
77 29.6 24.1 36.1

Manual Integrations

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6/13/2019 3:11:59 PM



#54

cis-1,3-Dichloropropene

Concen: 16.503 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

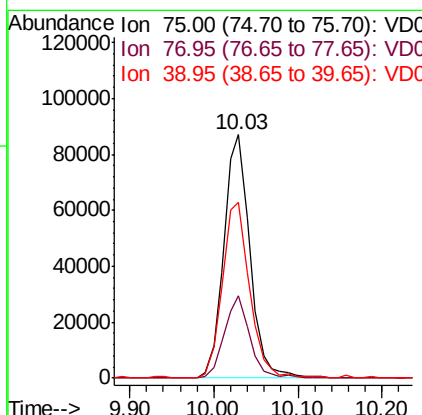
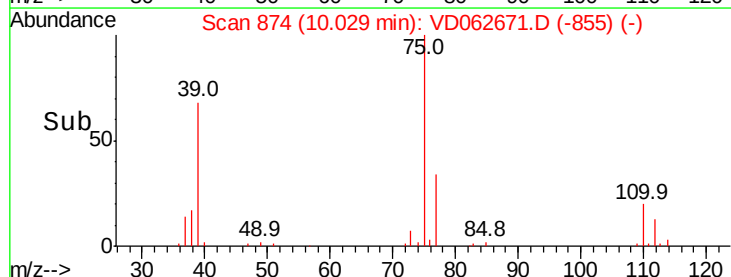
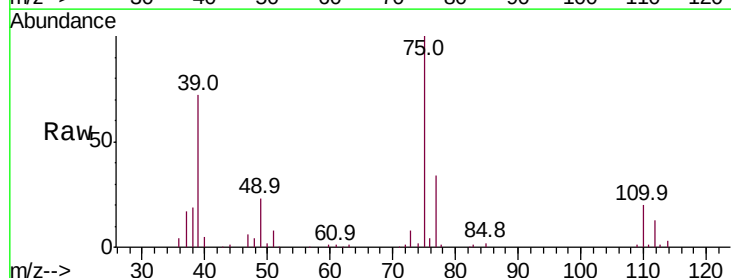
Tgt Ion: 75 Resp: 186824

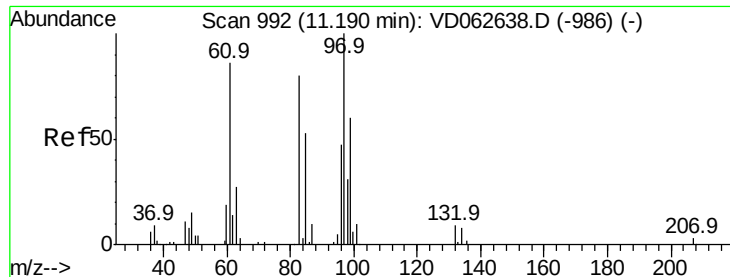
Ion Ratio Lower Upper

75 100

77 33.8 23.1 34.7

39 72.0 63.4 95.2





#55

1,1,2-Trichloroethane

Concen: 15.328 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

Tot Ion: 97 Resp: 81383

Ion Ratio Lower Upper

97 100

83 78.1 63.8 95.8

85 62.8 42.3 63.5

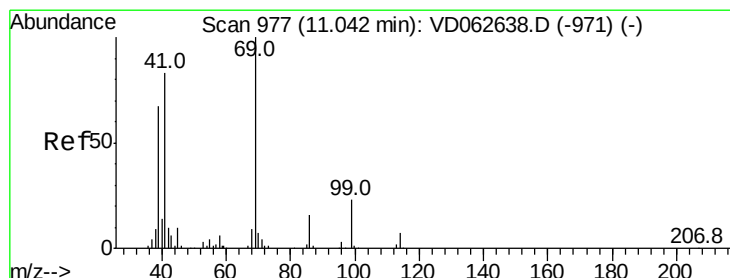
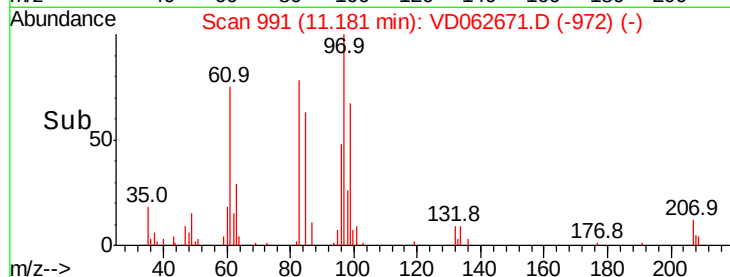
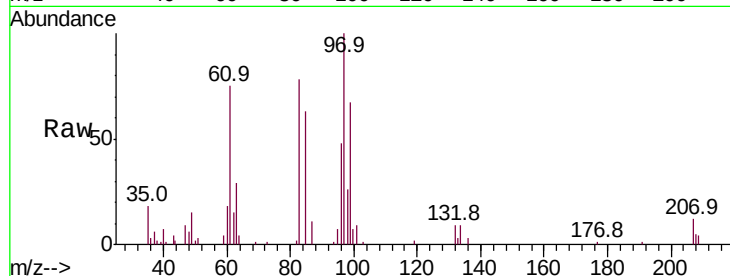
99 66.8 48.0 72.0

Manual Integrations

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#56

Ethyl methacrylate

Concen: 17.122 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

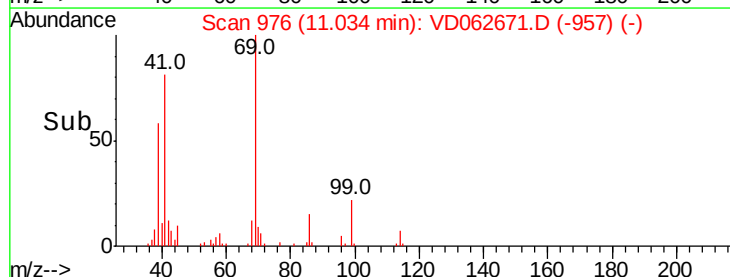
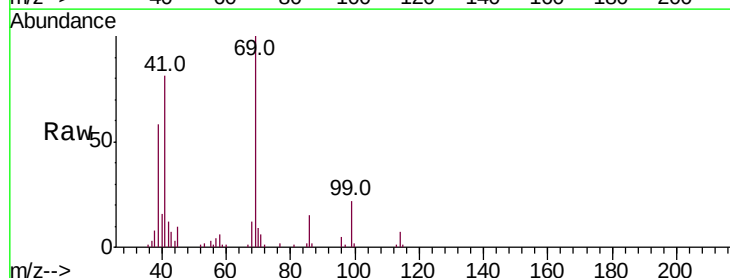
Tgt Ion: 69 Resp: 91545

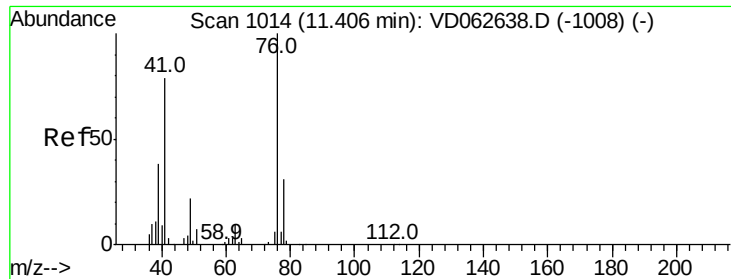
Ion Ratio Lower Upper

69 100

41 81.3 66.2 99.4

39 58.0 53.8 80.8





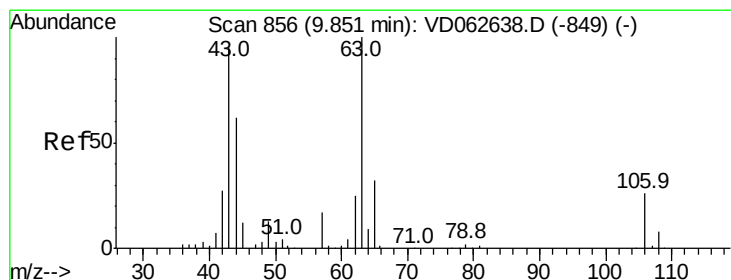
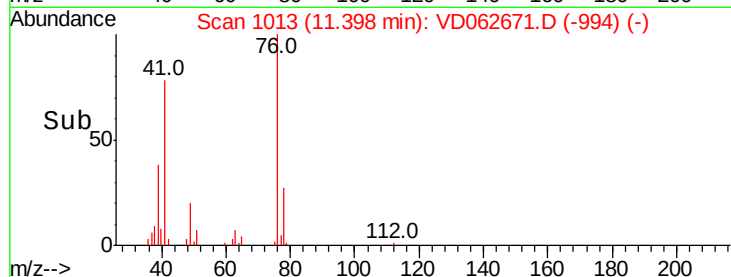
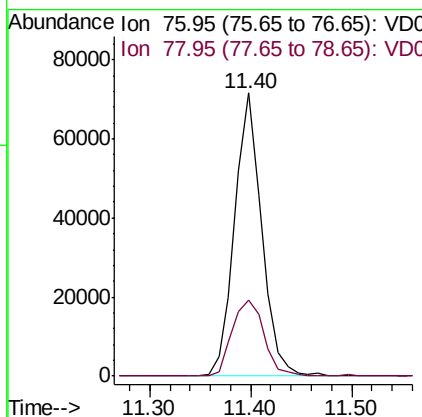
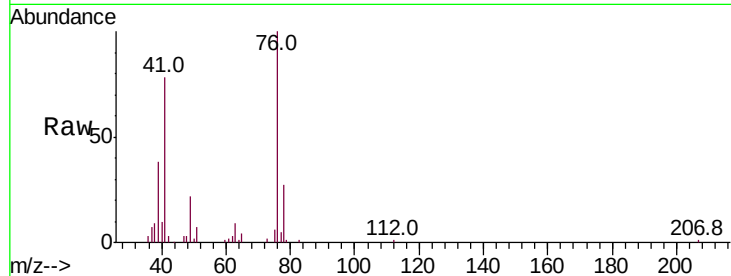
#57
 1,3-Dichloropropane
 Concen: 16.132 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Tot Ion: 76 Resp: 132757
 Ion Ratio Lower Upper
 76 100
 78 26.9 24.9 37.3

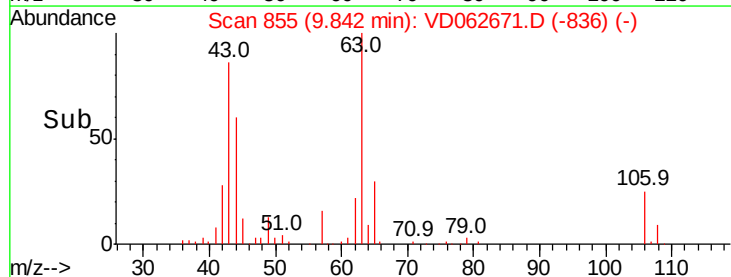
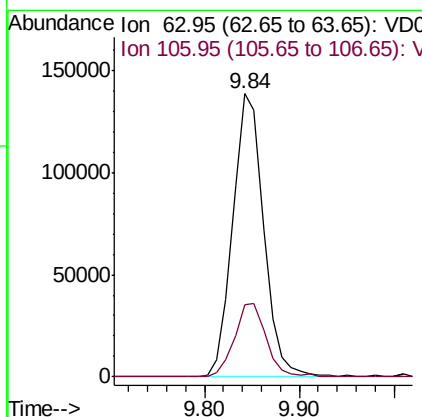
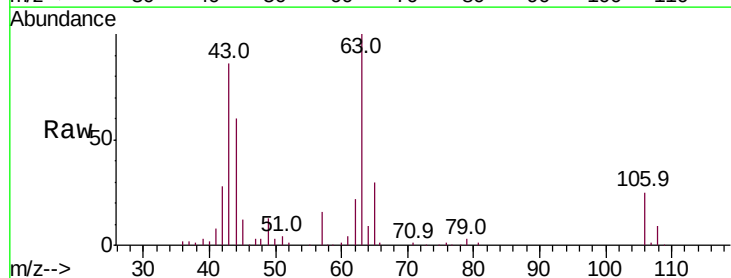
Manual Integrations
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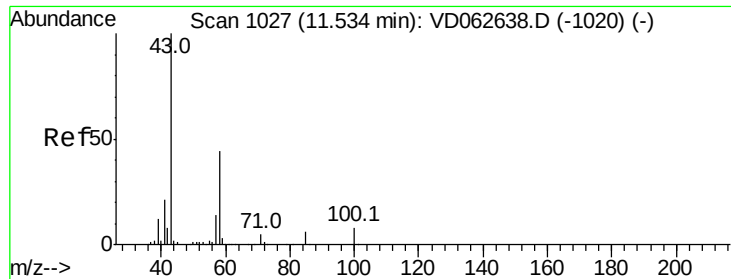
MMDadoda
 6/13/2019 3:11:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.510 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Tgt Ion: 63 Resp: 313609
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.5 30.7





#59

2-Hexanone

Concen: 76.851 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion: 43 Resp: 248929

Ion Ratio Lower Upper

43 100

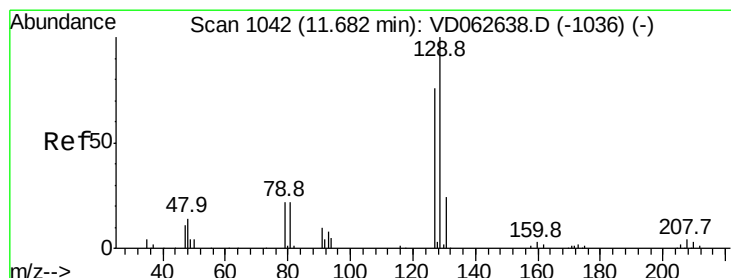
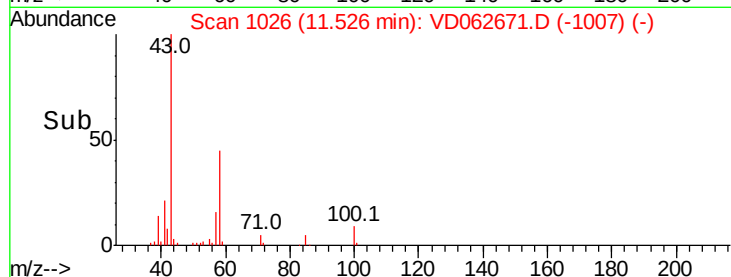
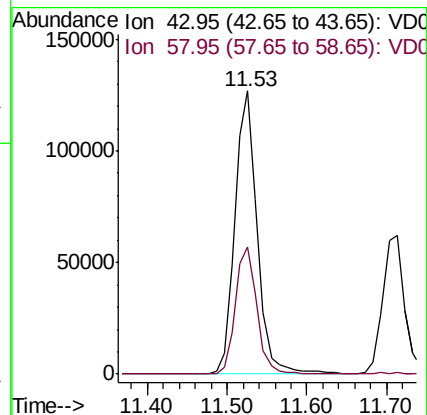
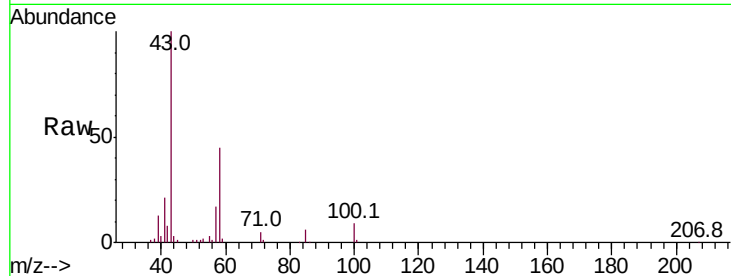
58 44.8 21.8 65.4

Manual Integrations

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6/13/2019 3:11:59 PM



#60

Dibromochloromethane

Concen: 15.792 ug/l

RT: 11.67 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VD062671.D

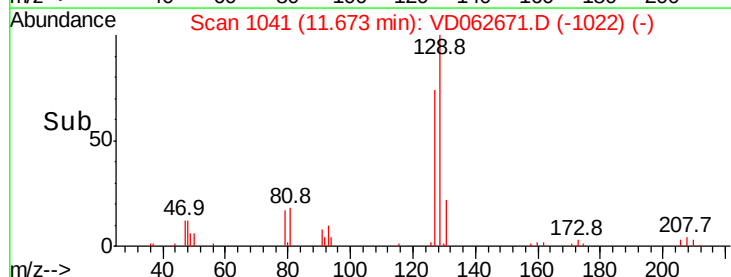
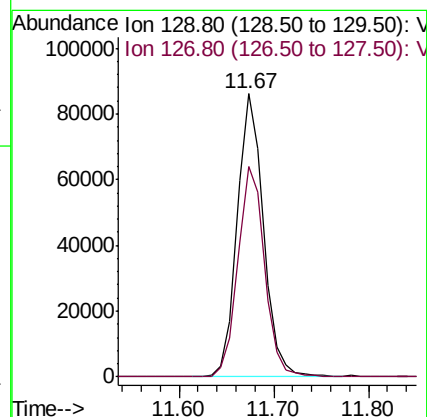
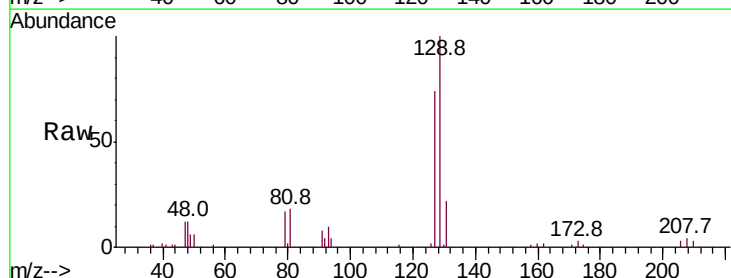
Acq: 12 Jun 2019 13:49

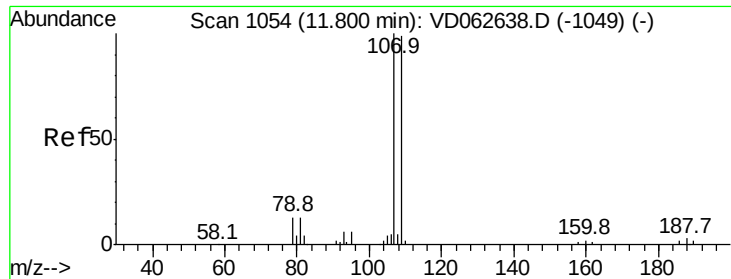
Tgt Ion: 129 Resp: 165523

Ion Ratio Lower Upper

129 100

127 74.3 38.0 114.1





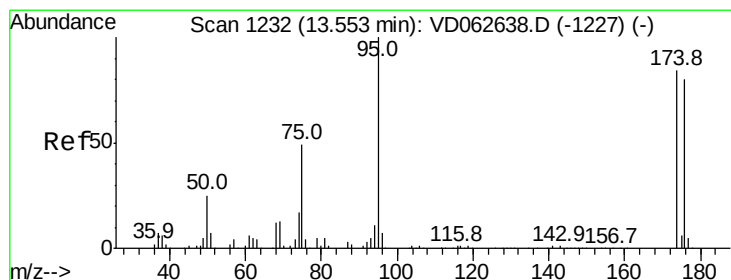
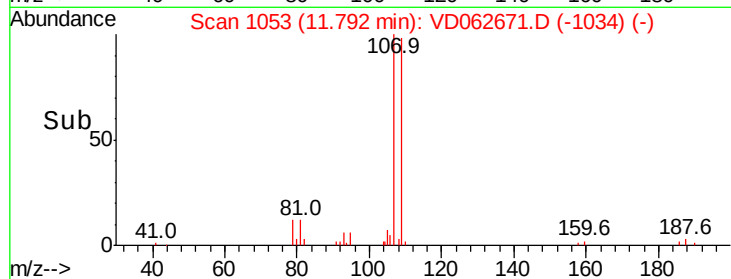
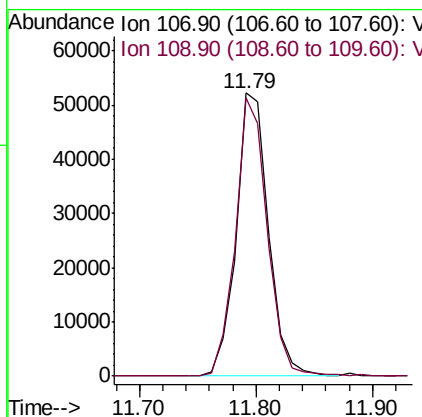
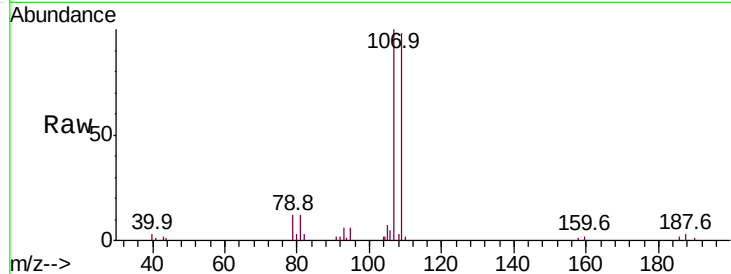
#61
 1,2-Dibromoethane
 Concen: 15.678 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.2	79.2	118.8

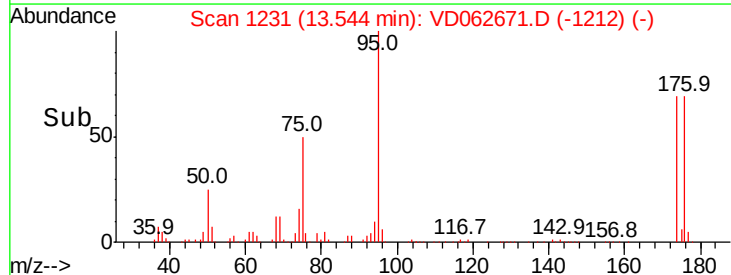
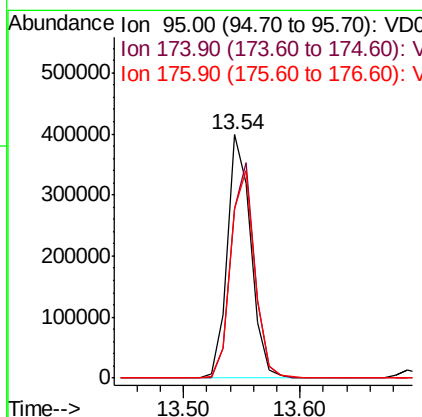
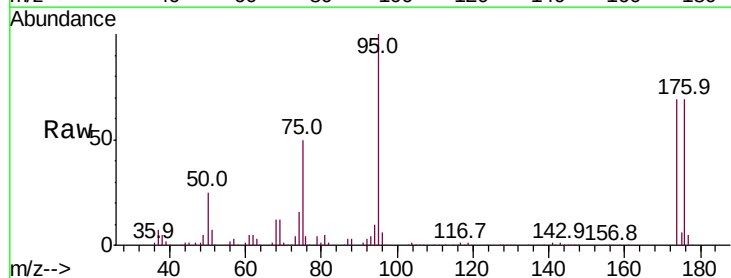
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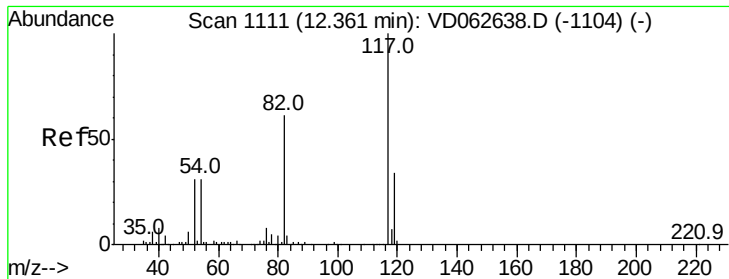
MMDadoda
 6/13/2019 3:11:59 PM



#62
 4-Bromofluorobenzene
 Concen: 52.097 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	167.0
176	69.4	0.0	159.2





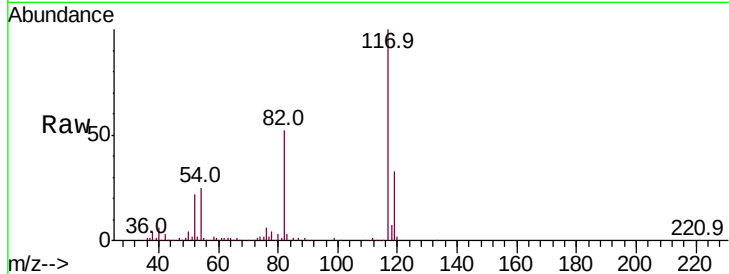
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

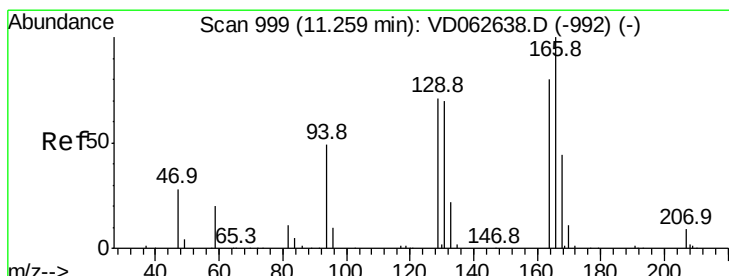
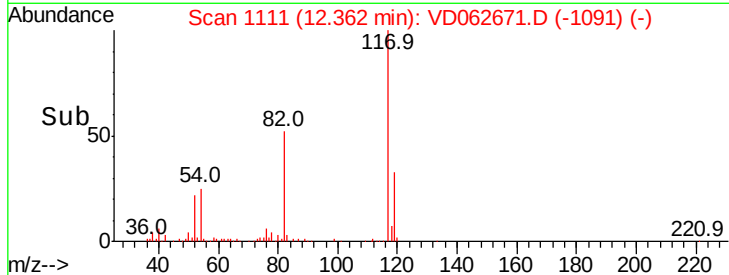
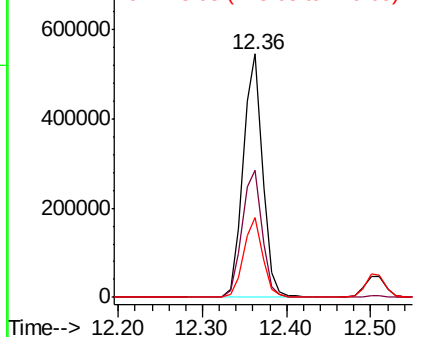
Tot Ion	Ratio	Resp	Lower	Upper
117	100	878914		
82	52.0		48.7	73.1
119	32.7		27.0	40.6

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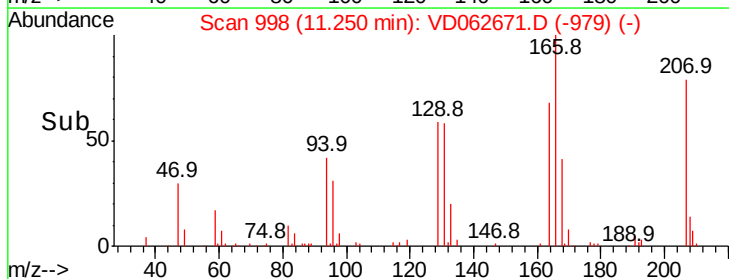
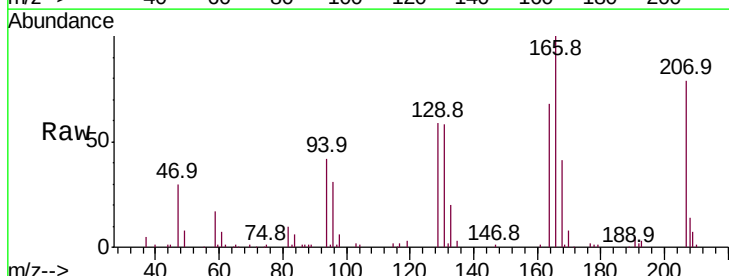
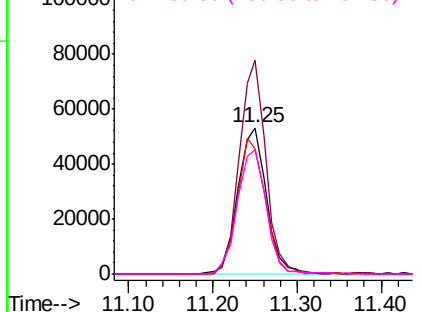
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

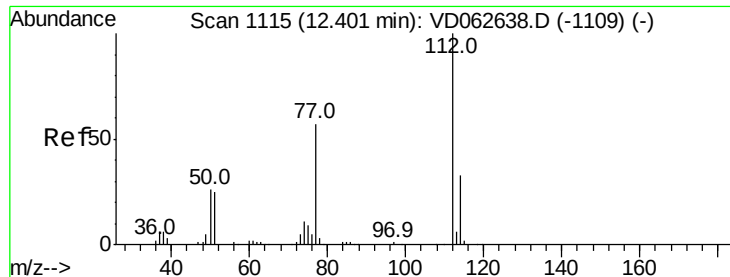


#64
Tetrachloroethene
Concen: 15.208 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125127		
166	146.3		99.4	149.2
129	86.2		70.2	105.4
131	84.8		69.3	103.9

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





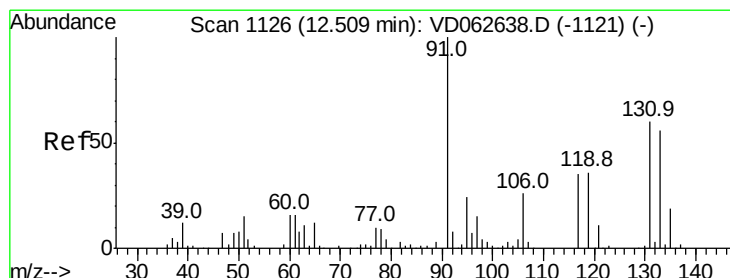
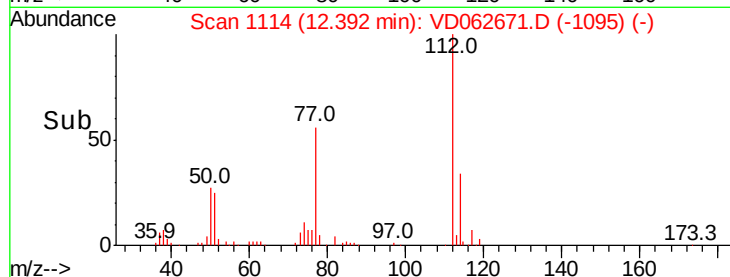
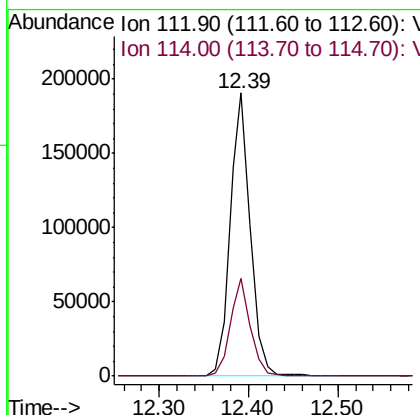
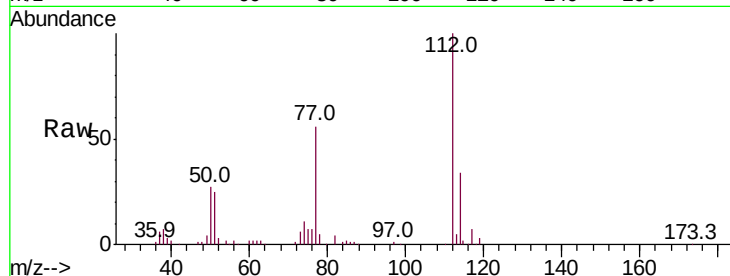
#65
Chlorobenzene
Concen: 15.649 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.4	26.3	39.5

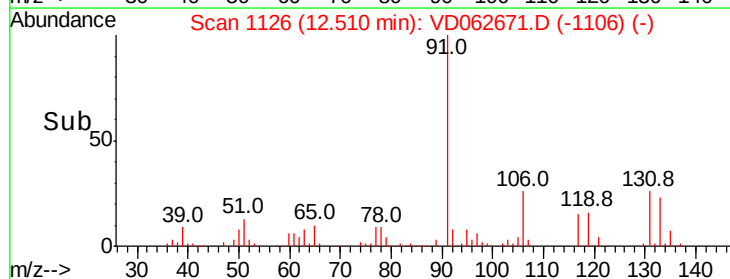
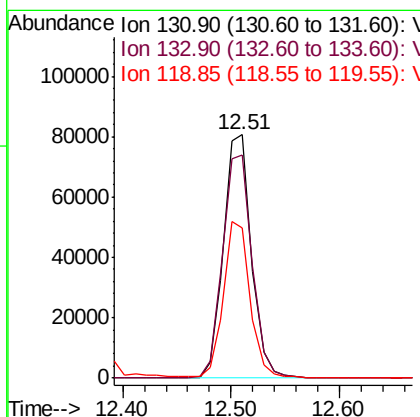
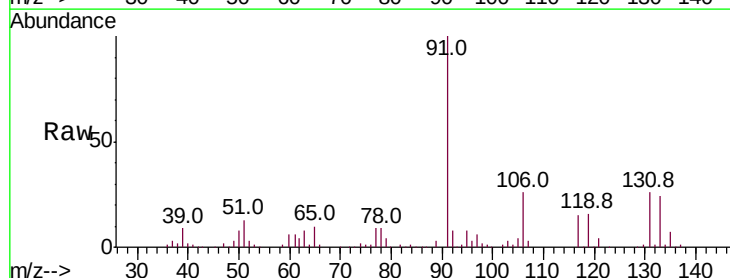
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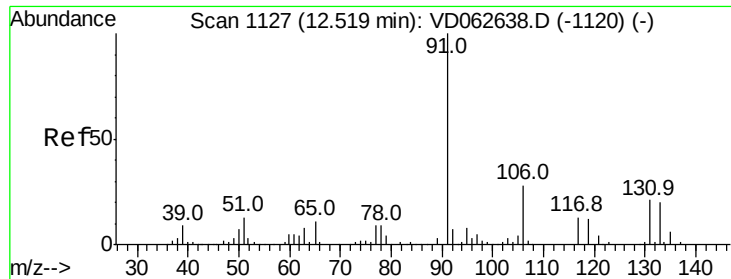
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6/13/2019 3:11:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 15.572 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.9	46.8	140.3
119	61.6	29.9	89.8





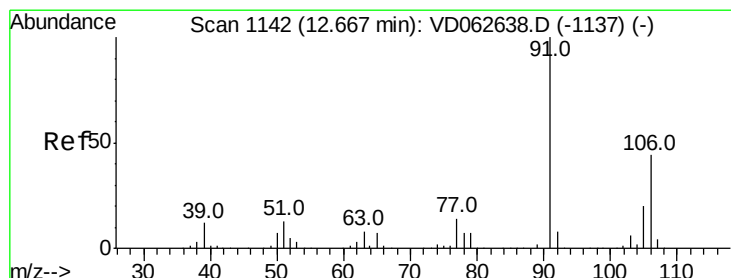
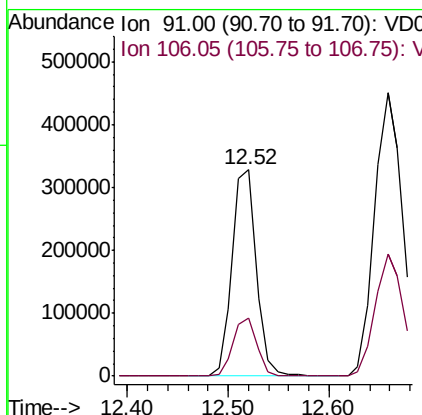
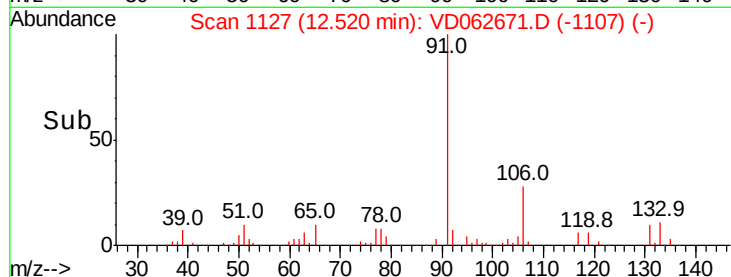
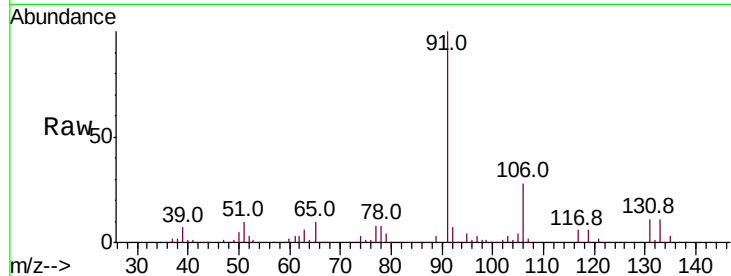
#67
Ethyl Benzene
Concen: 15.895 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion: 91 Resp: 547883
Ion Ratio Lower Upper
91 100
106 28.5 22.1 33.1

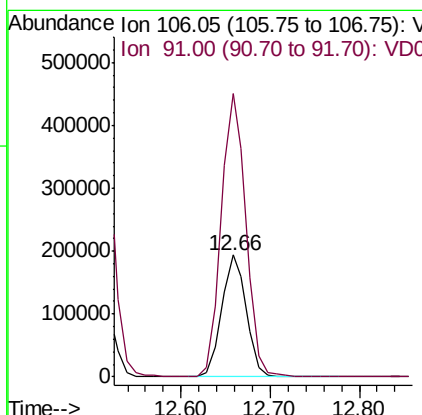
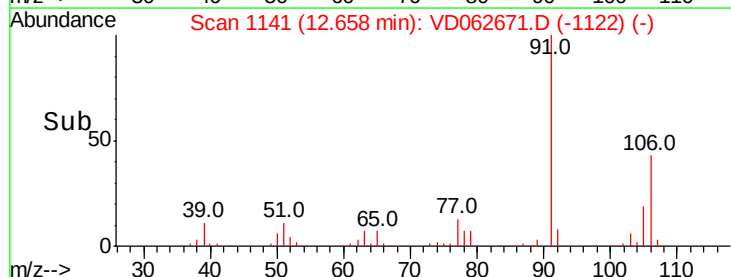
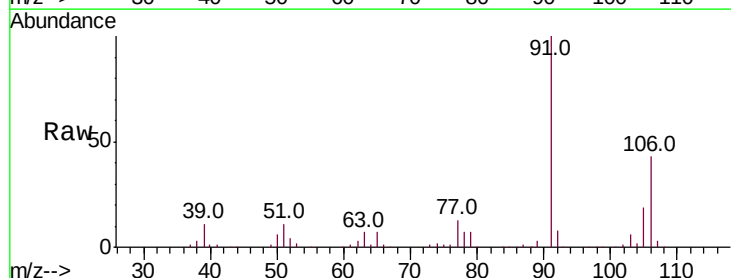
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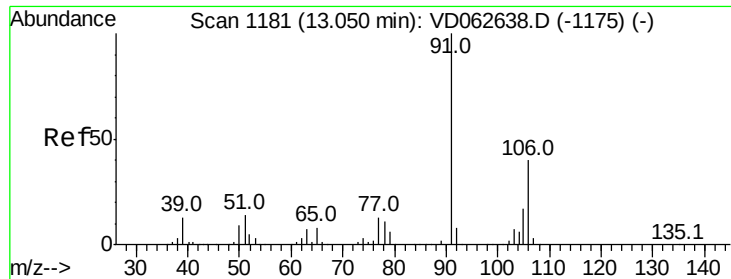
MMDadoda
6/13/2019 3:11:59 PM



#68
m/p-Xylenes
Concen: 31.012 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion: 106 Resp: 375799
Ion Ratio Lower Upper
106 100
91 233.0 180.2 270.4





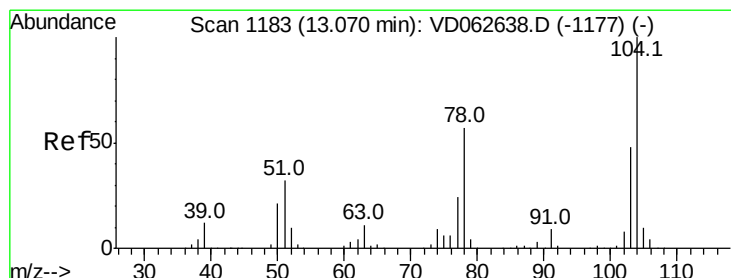
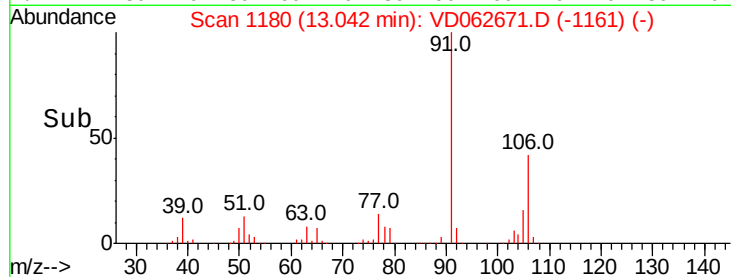
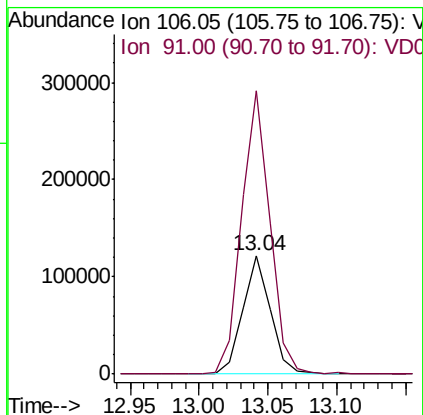
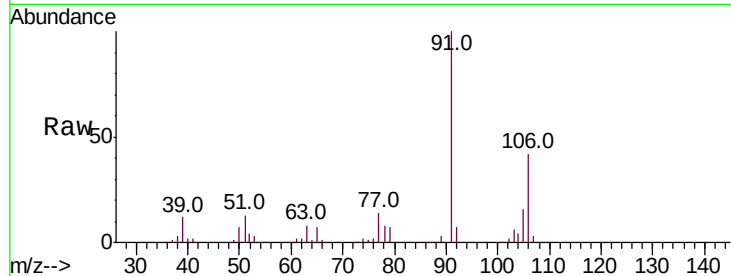
#69
o-Xylene
Concen: 15.386 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion:106 Resp: 171237
Ion Ratio Lower Upper
106 100
91 239.0 124.1 372.1

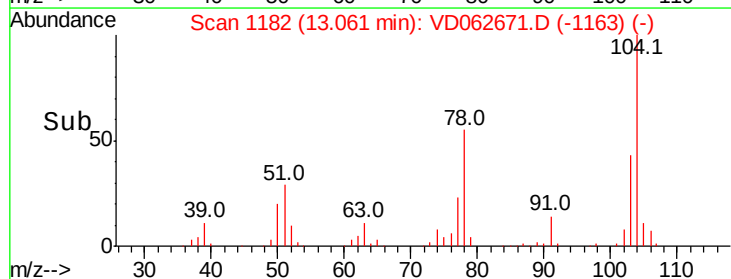
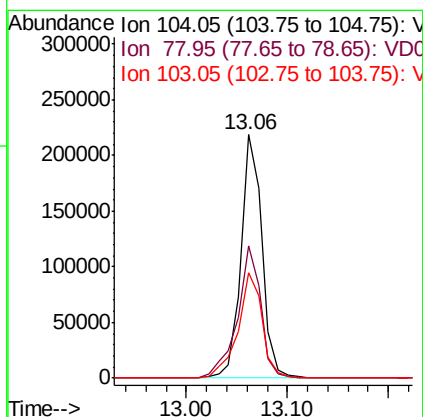
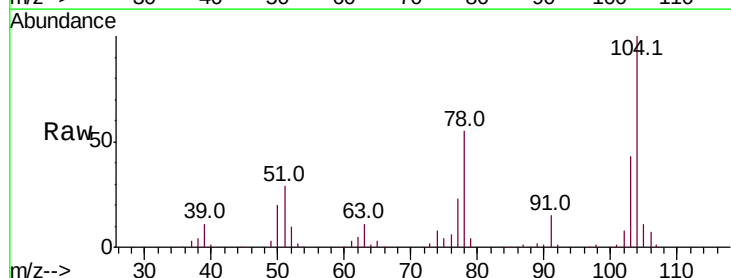
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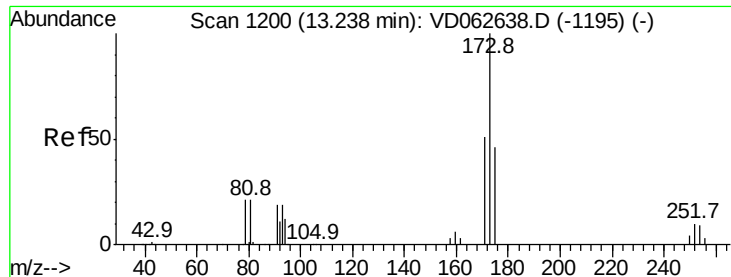
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6/13/2019 3:11:59 PM



#70
Styrene
Concen: 15.824 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion:104 Resp: 314229
Ion Ratio Lower Upper
104 100
78 54.6 45.9 68.9
103 43.4 38.4 57.6





#71

Bromoform

Concen: 16.548 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

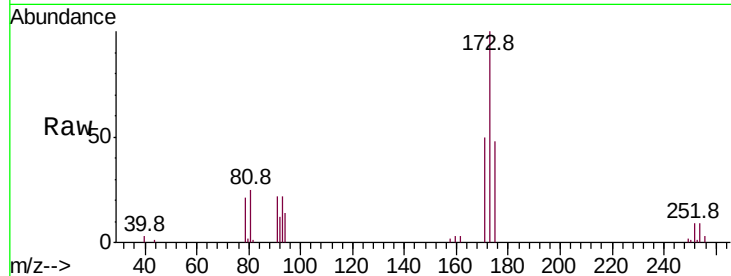
ClientSampleId :

VD0612SBS01

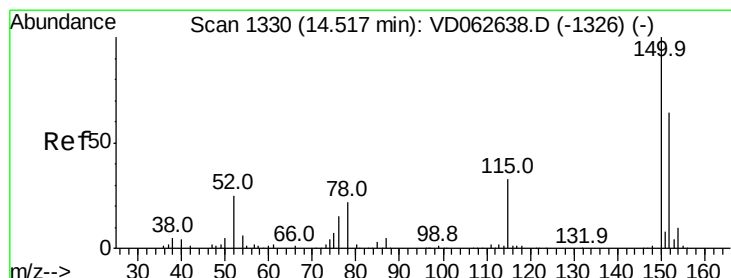
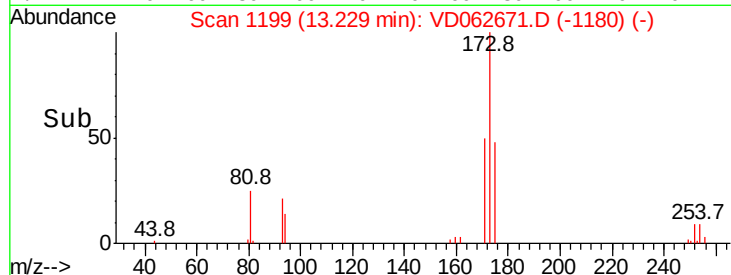
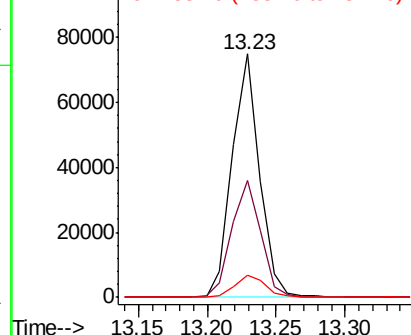
Tot Ion:	173	Resp:	103420
Ion Ratio	Lower	Upper	
173	100		
175	47.9	22.9	68.7
254	9.0	7.0	10.4

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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

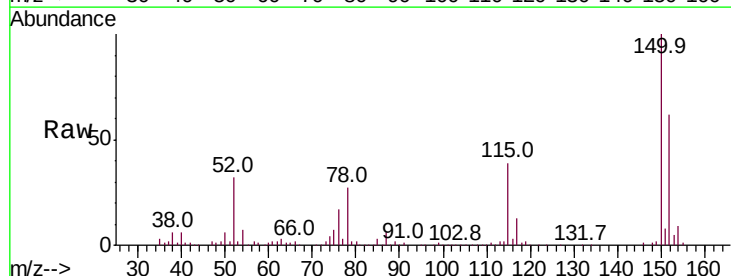
RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

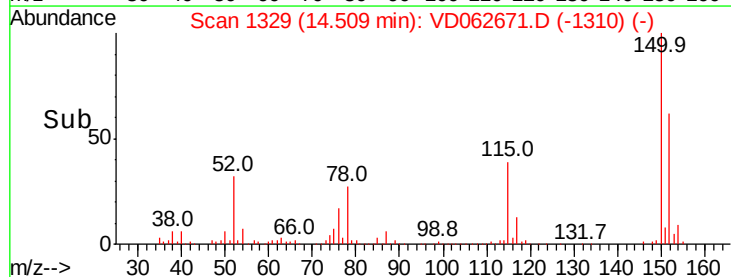
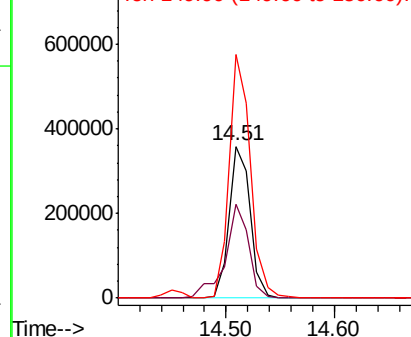
Lab File: VD062671.D

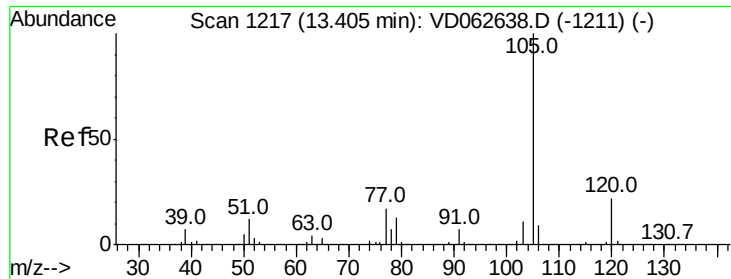
Acq: 12 Jun 2019 13:49

Tgt Ion:	152	Resp:	485230
Ion Ratio	Lower	Upper	
152	100		
115	62.2	30.1	90.5
150	160.5	0.0	314.0



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: 15.728 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion:105 Resp: 537904

Ion Ratio Lower Upper

105 100

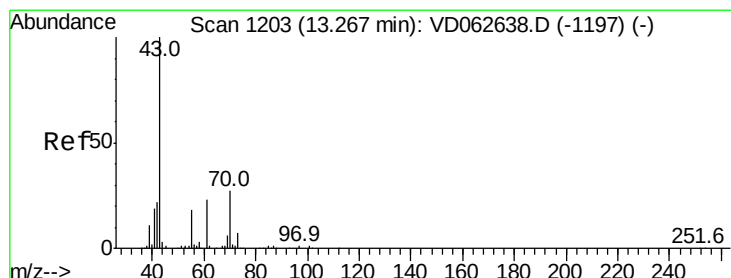
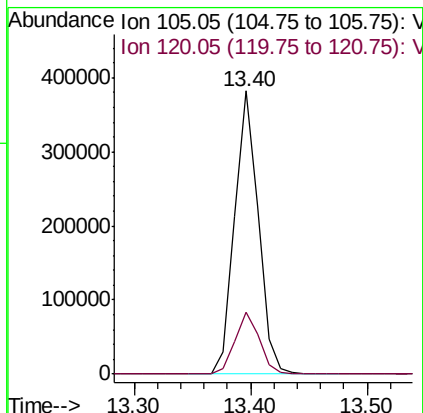
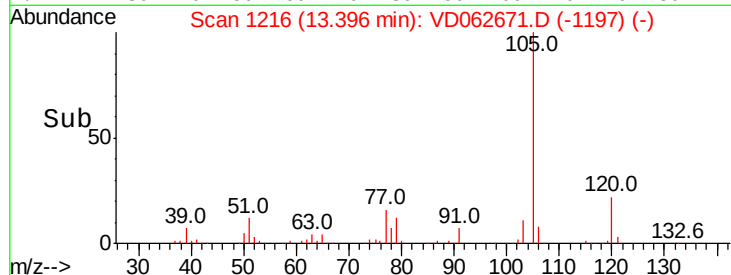
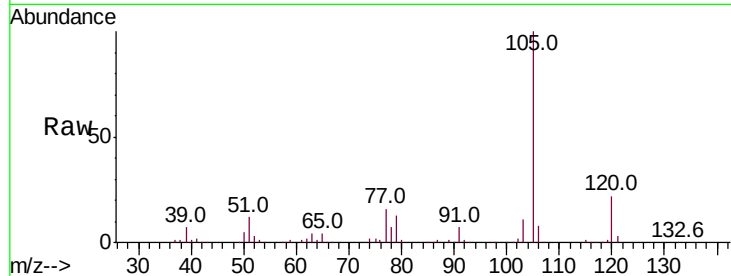
120 21.9 10.9 32.7

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6/13/2019 3:11:59 PM



#74

N-ethyl acetate

Concen: 15.351 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Tgt Ion: 43 Resp: 141890

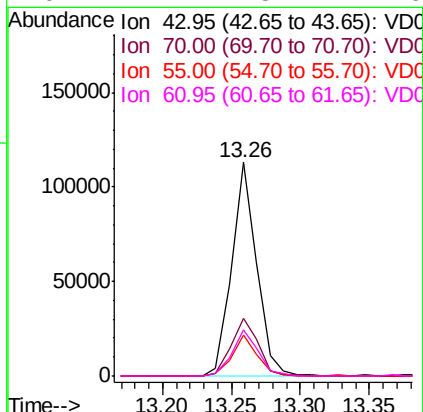
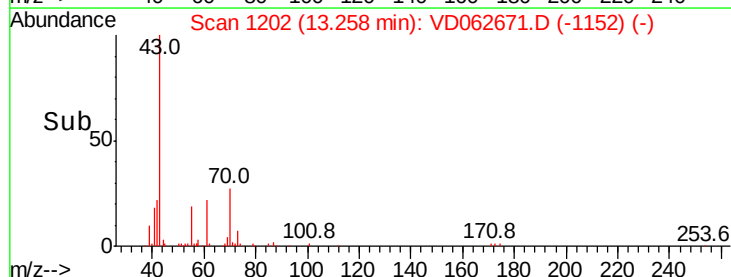
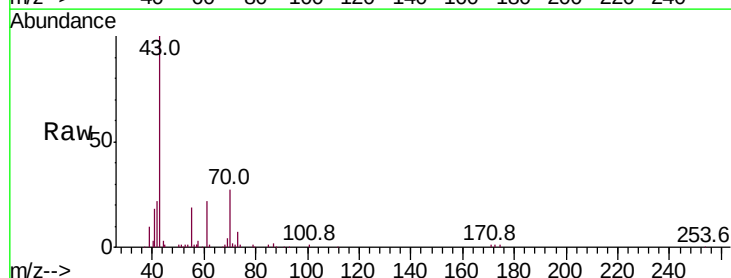
Ion Ratio Lower Upper

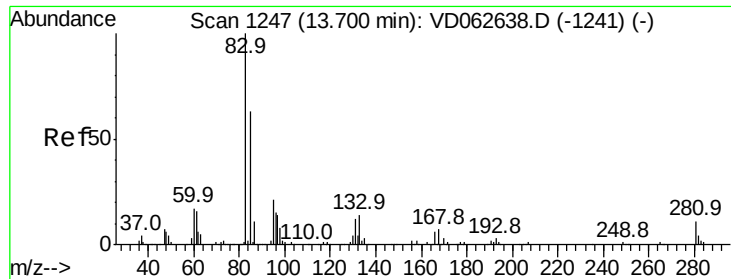
43 100

70 27.1 21.8 32.8

55 19.4 14.6 21.8

61 21.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 15.849 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

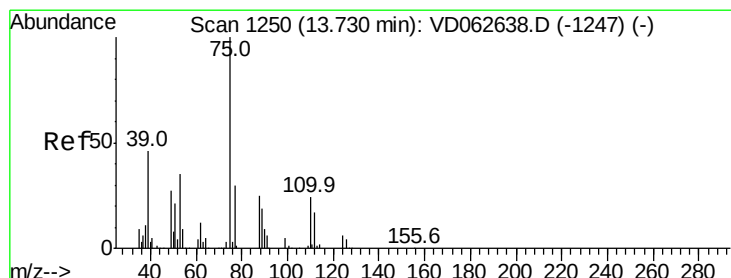
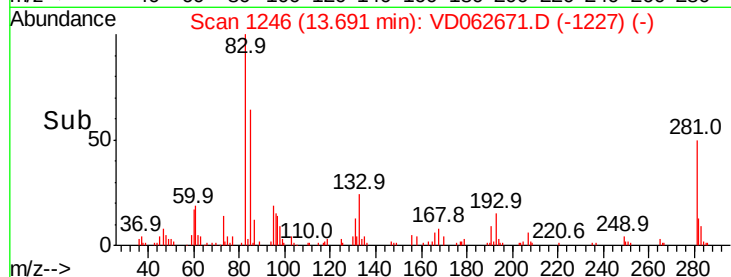
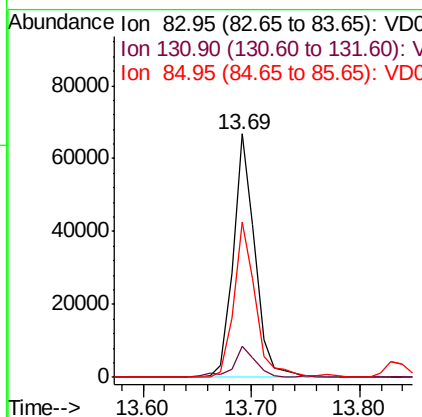
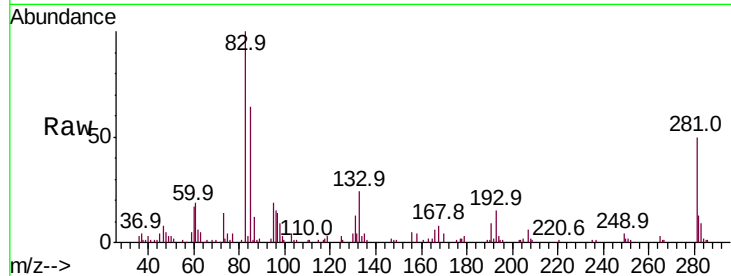
ClientSampleId :

VD0612SBSD01

Tot Ion:	83	Resp:	92753
Ion Ratio	Lower	Upper	
83	100		
131	12.7	5.9	17.7
85	63.6	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 16.085 ug/l

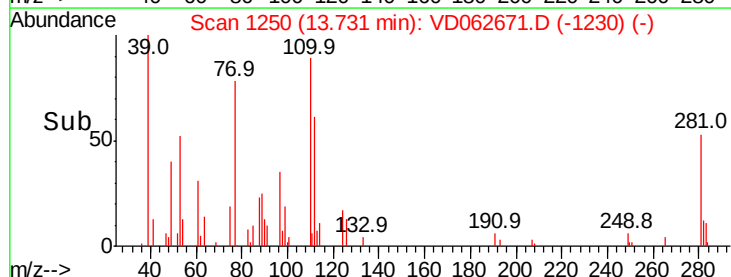
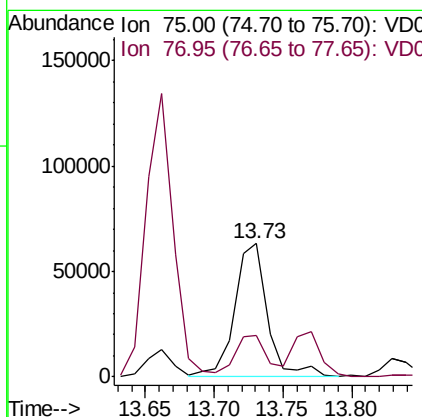
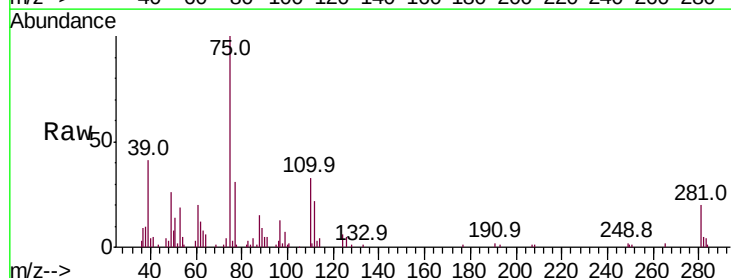
RT: 13.73 min Scan# 1250

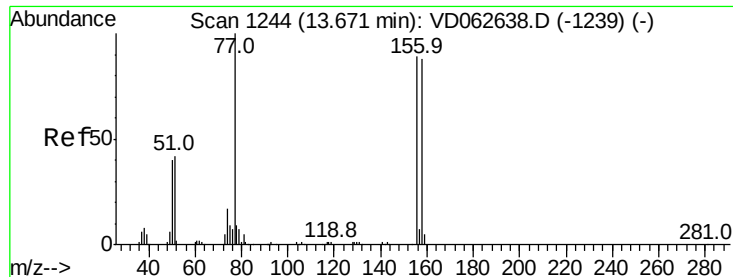
Delta R.T. 0.00 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Tgt Ion:	75	Resp:	105830
Ion Ratio	Lower	Upper	
75	100		
77	30.8	16.2	48.6





#77

Bromobenzene

Concen: 15.298 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion:156 Resp: 149548

Ion Ratio Lower Upper

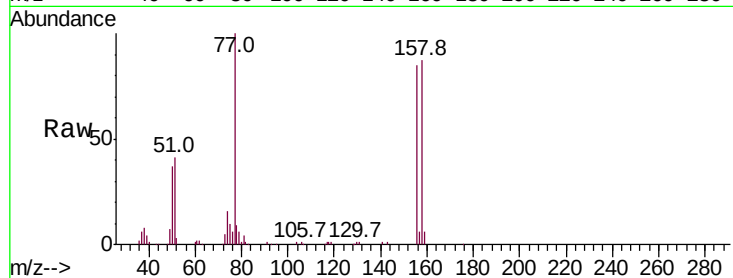
156 100

77 117.6 56.3 168.8

158 102.7 49.6 148.8

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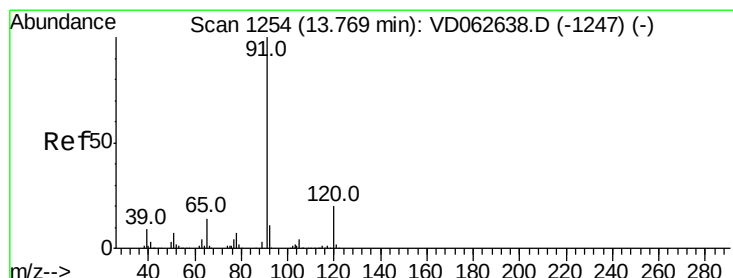
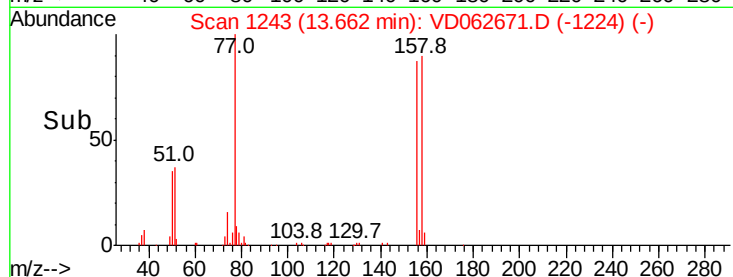
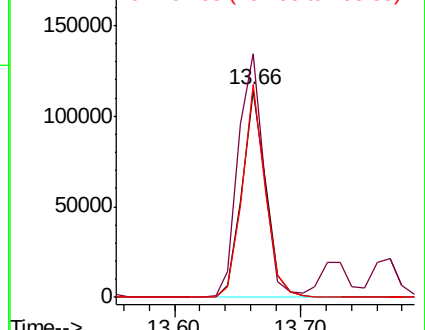
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 16.504 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062671.D

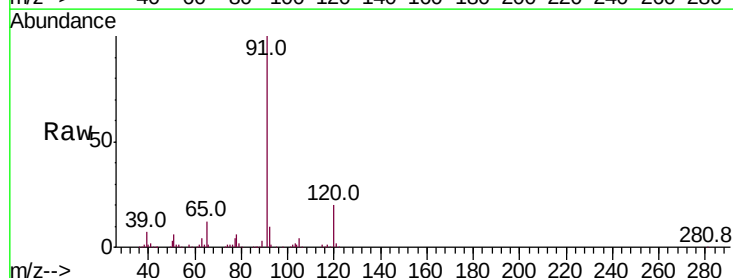
Acq: 12 Jun 2019 13:49

Tgt Ion: 91 Resp: 690923

Ion Ratio Lower Upper

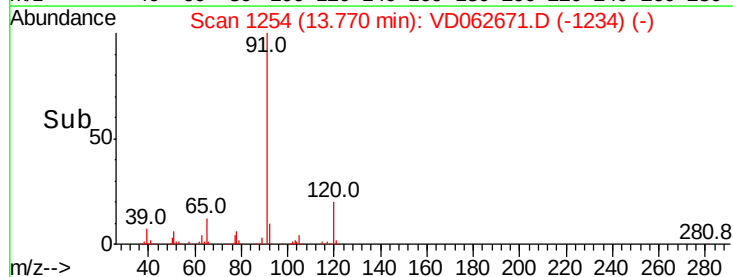
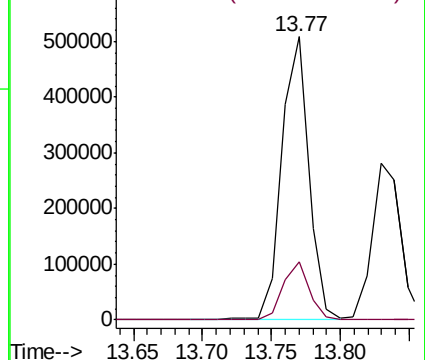
91 100

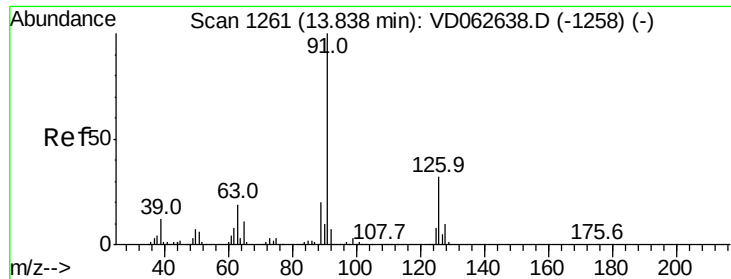
120 20.4 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 16.608 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

Tot Ion: 91 Resp: 407105

Ion Ratio Lower Upper

91 100

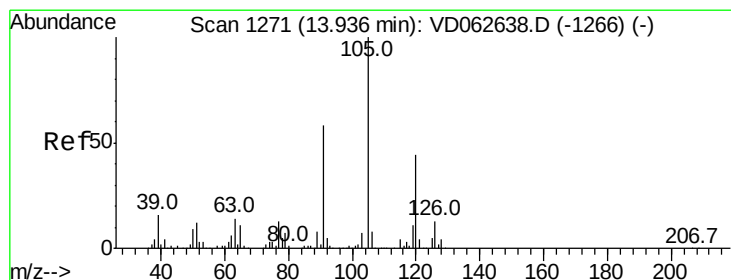
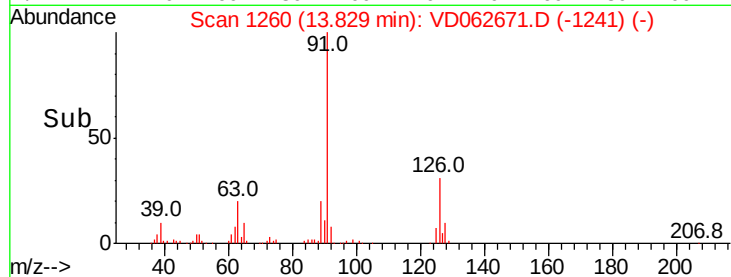
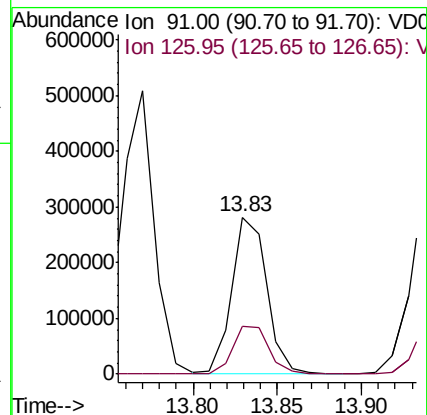
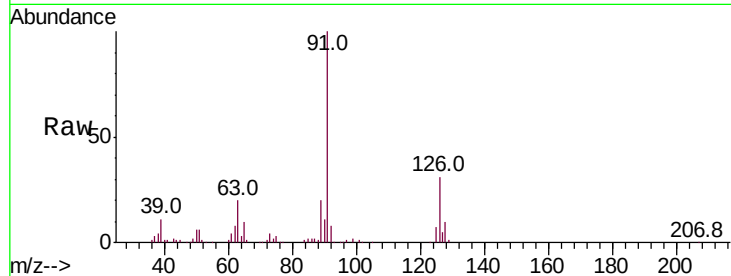
126 30.6 15.8 47.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 16.541 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062671.D

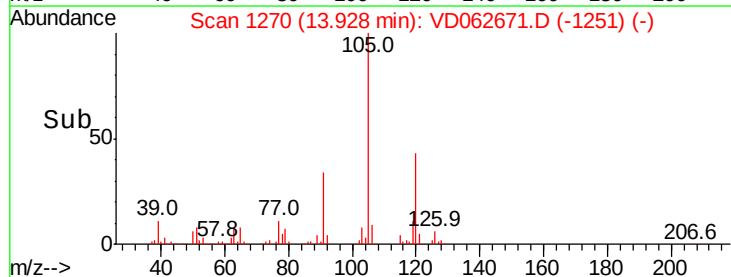
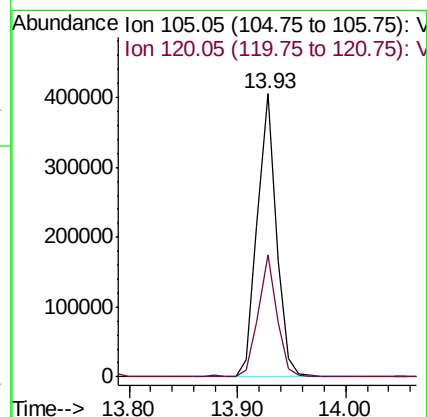
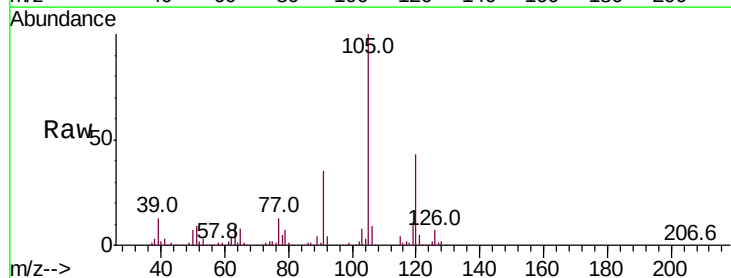
Acq: 12 Jun 2019 13:49

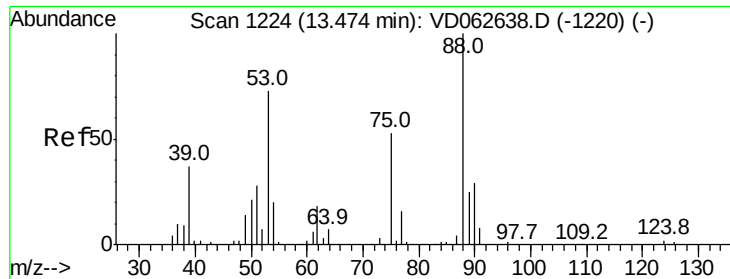
Tgt Ion: 105 Resp: 499982

Ion Ratio Lower Upper

105 100

120 43.2 22.1 66.5





#81

trans-1,4-Dichloro-2-butene

Concen: 16.547 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062671.D

Acq: 12 Jun 2019 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion: 75 Resp: 26772

Ion Ratio Lower Upper

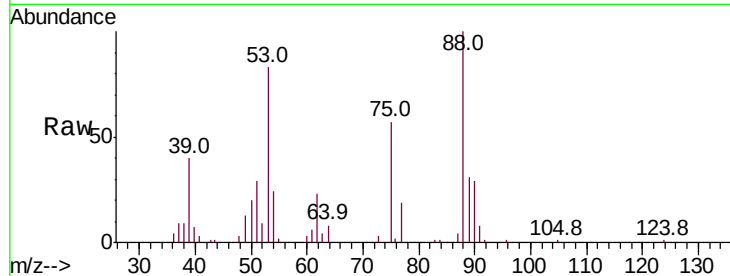
75 100

53 145.8 109.4 164.2

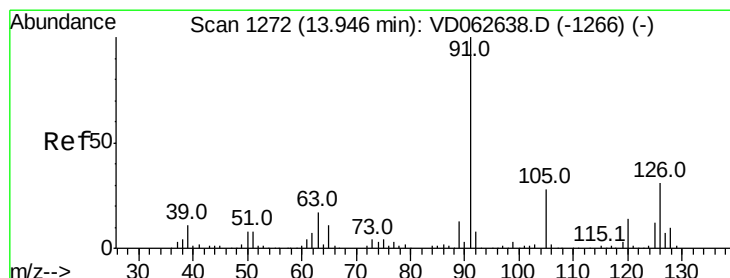
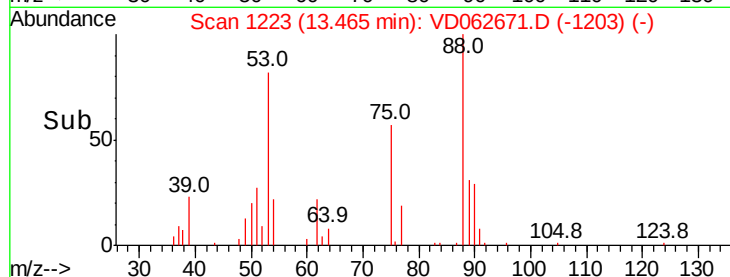
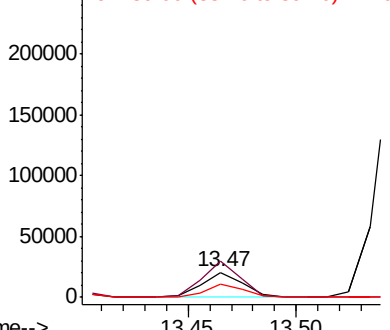
89 55.4 37.0 55.6

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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 15.884 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062671.D

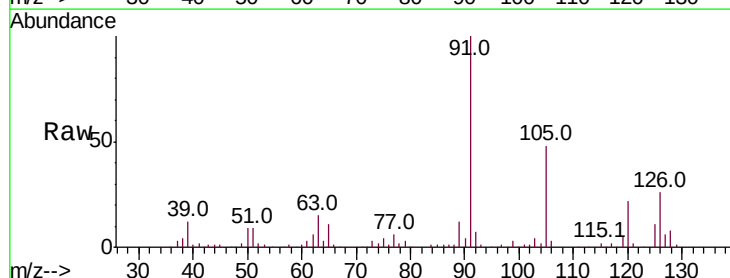
Acq: 12 Jun 2019 13:49

Tgt Ion: 91 Resp: 465612

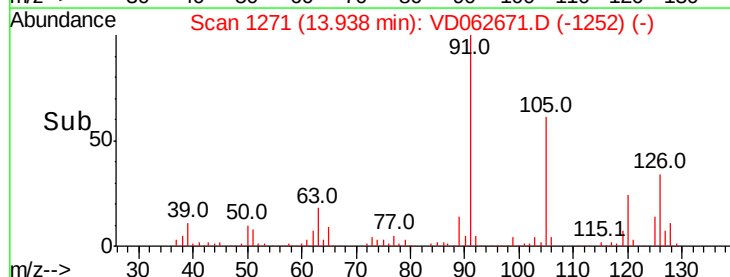
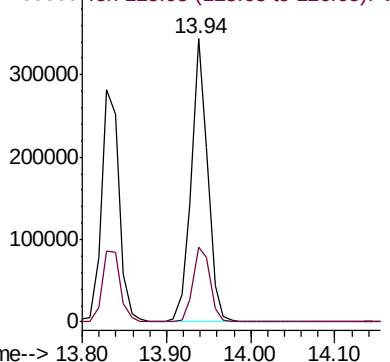
Ion Ratio Lower Upper

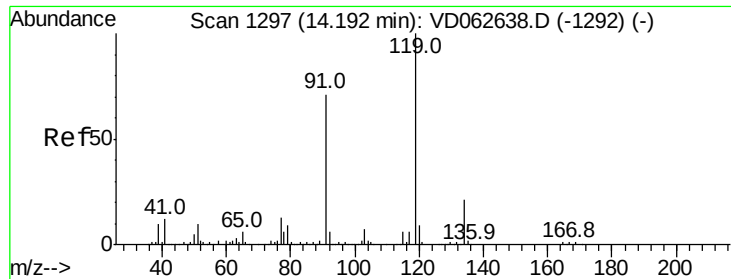
91 100

126 26.5 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





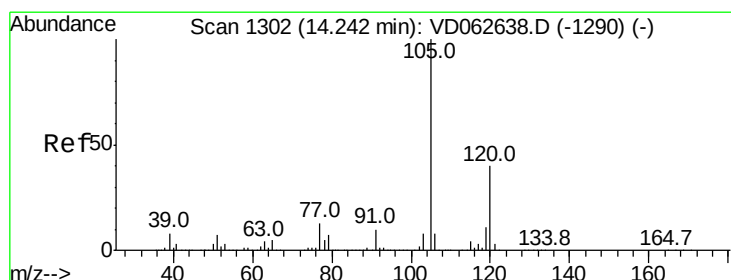
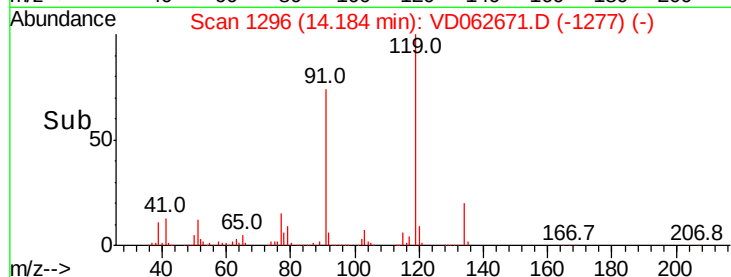
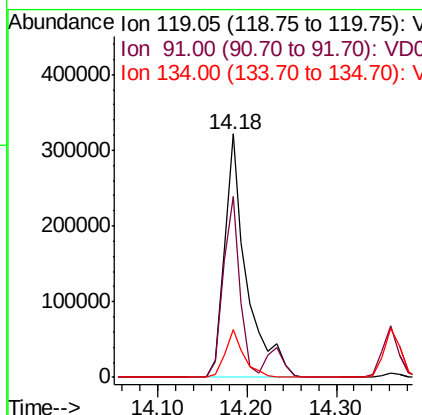
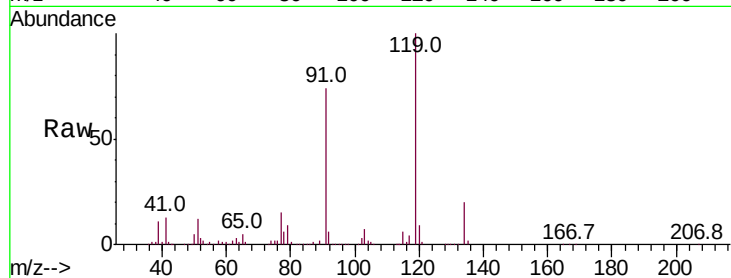
#83
tert-Butylbenzene
Concen: 16.780 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.2	35.4	106.1
134	19.8	10.8	32.3

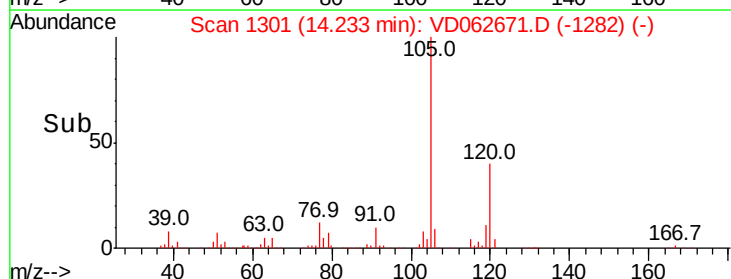
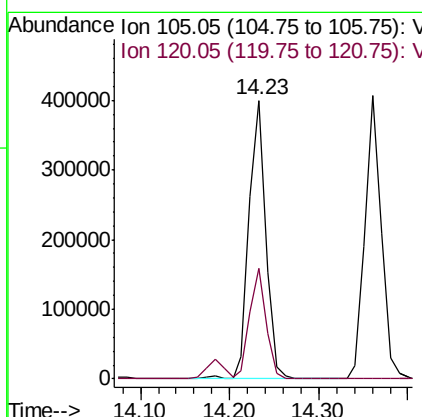
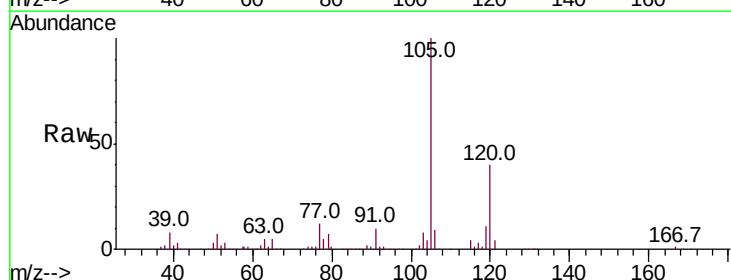
Manual Integrations
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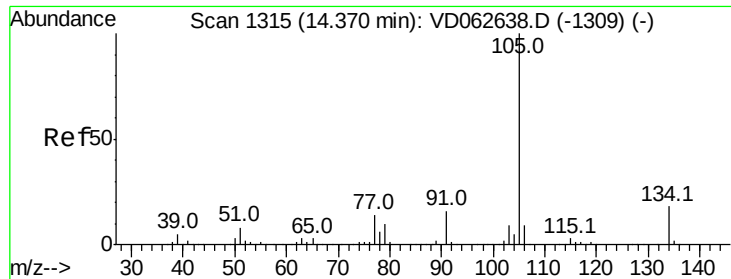
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#84
1,2,4-Trimethylbenzene
Concen: 17.358 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.7	20.3	60.8





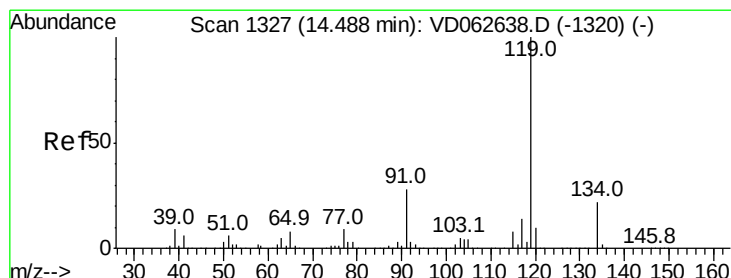
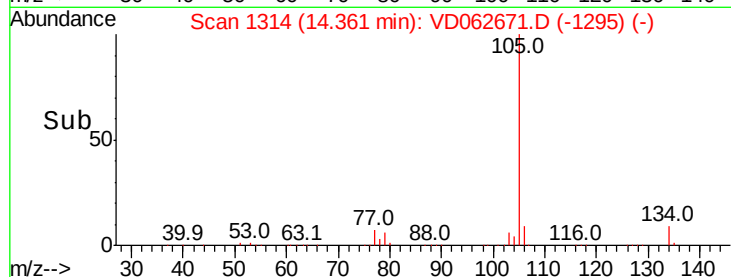
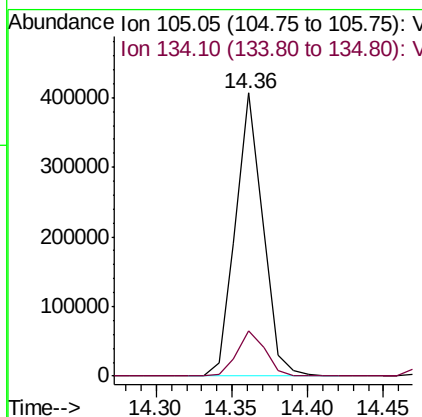
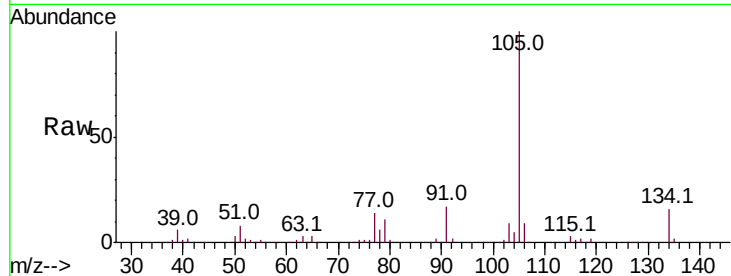
#85
 sec-Butylbenzene
 Concen: 14.612 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Tot Ion:105 Resp: 510837
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.8 26.2

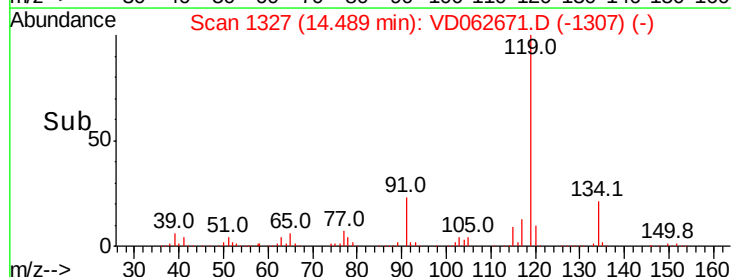
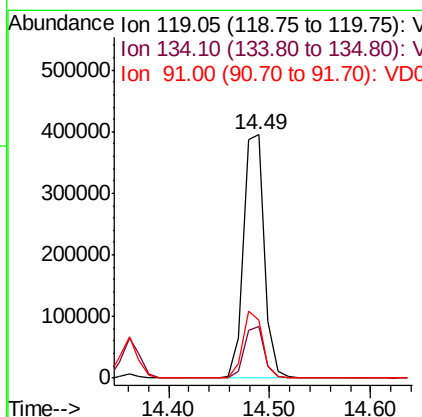
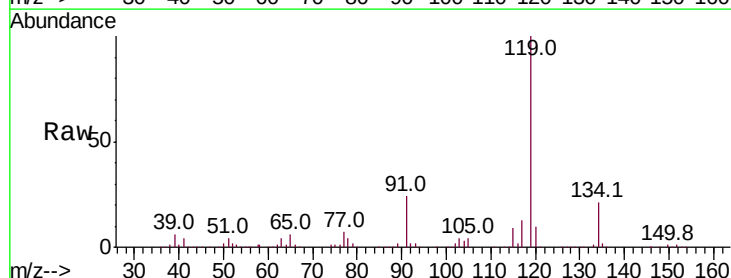
Manual Integrations
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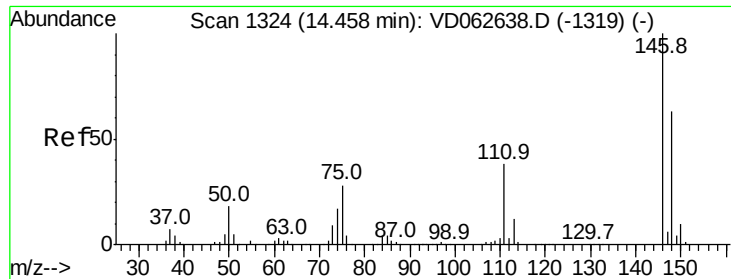
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#86
 p-Isopropyltoluene
 Concen: 16.701 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Tgt Ion:119 Resp: 568442
 Ion Ratio Lower Upper
 119 100
 134 21.0 10.9 32.6
 91 23.6 13.9 41.6





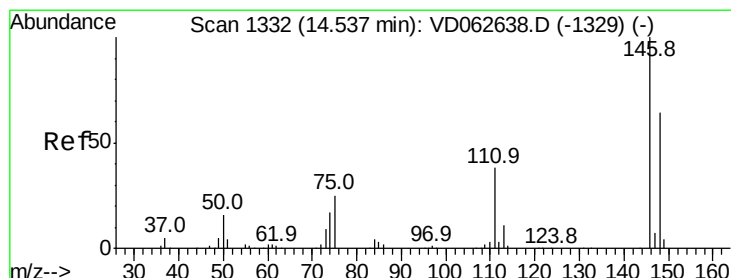
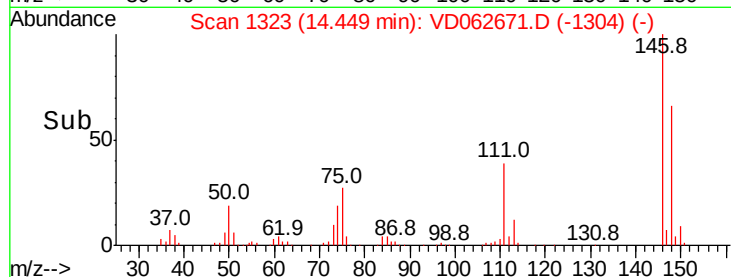
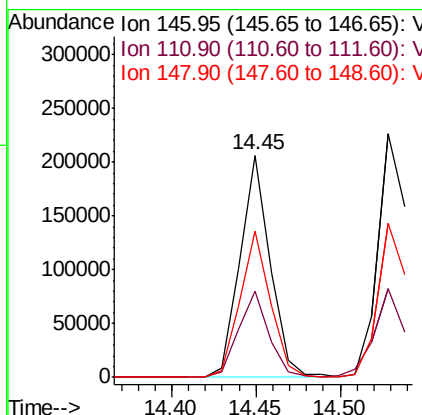
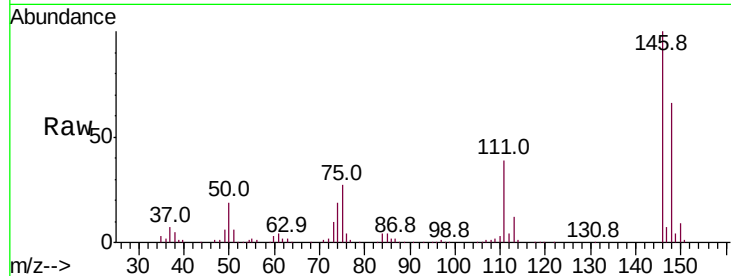
#87
 1,3-Dichlorobenzene
 Concen: 14.492 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.2	57.6
148	65.7	31.6	95.0

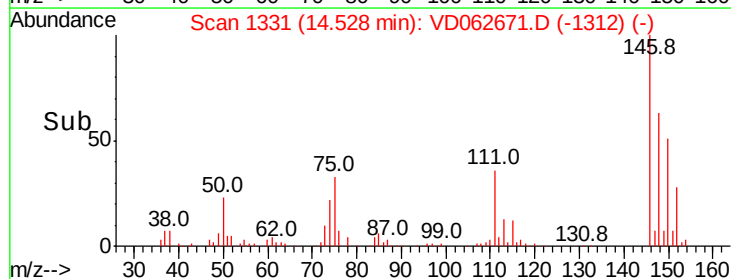
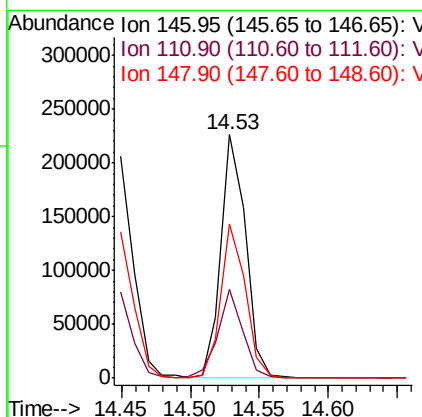
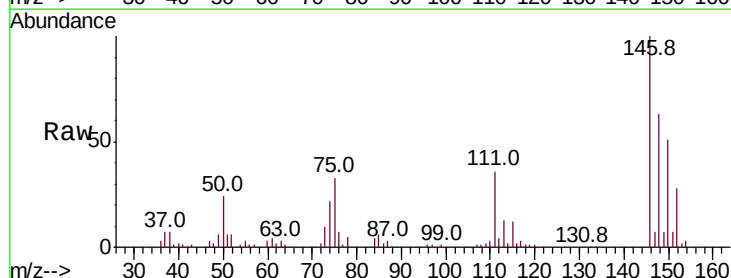
Manual Integrations
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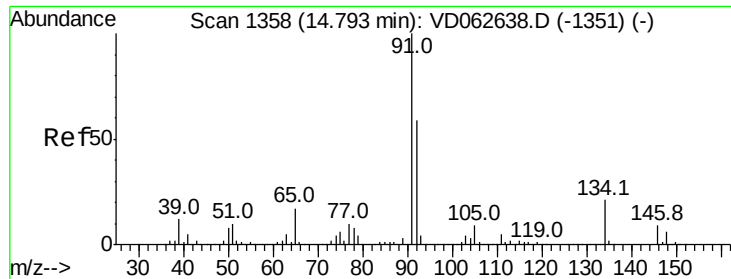
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#88
 1,4-Dichlorobenzene
 Concen: 16.845 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.7
148	63.1	32.3	96.8





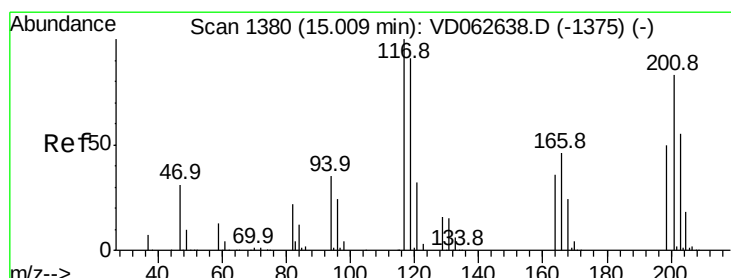
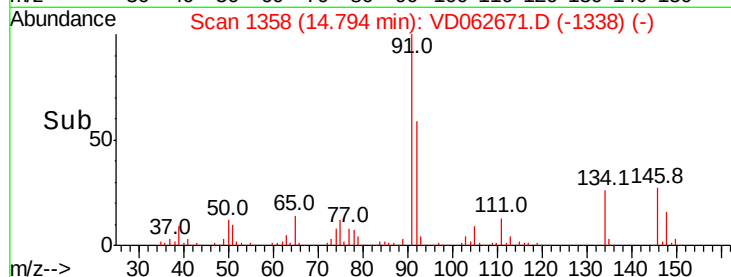
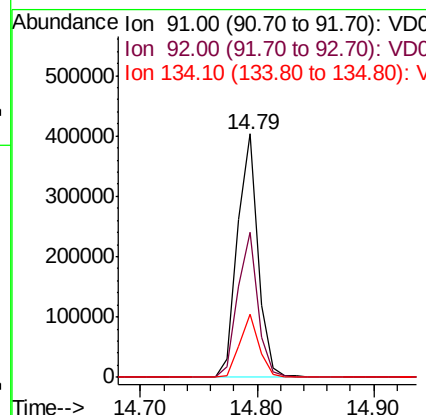
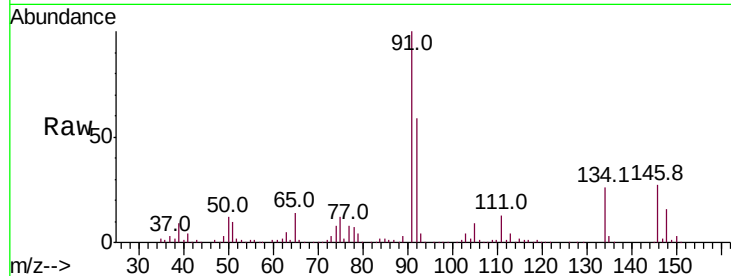
#89
n-Butylbenzene
Concen: 16.148 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.4	29.4	88.3
134	25.7	10.4	31.2

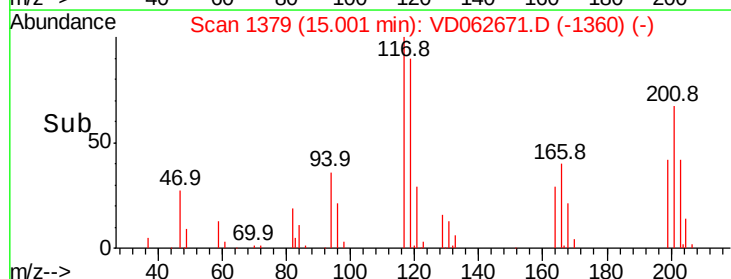
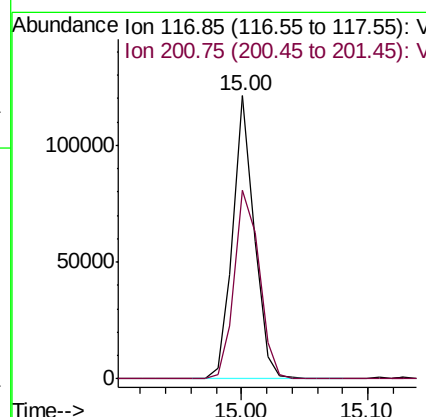
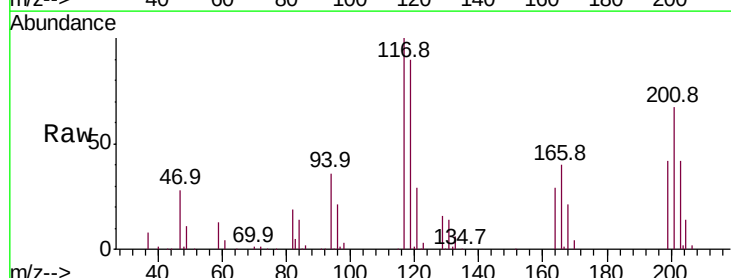
Manual Integrations
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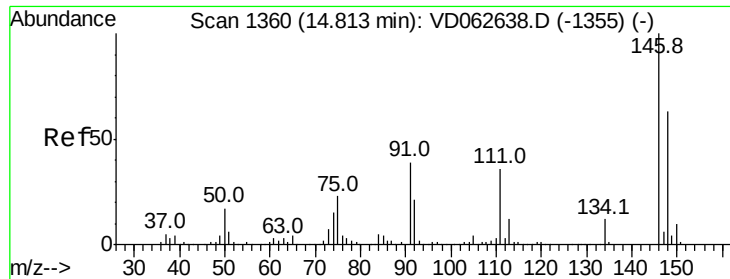
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#90
Hexachloroethane
Concen: 15.871 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	41.5	124.6





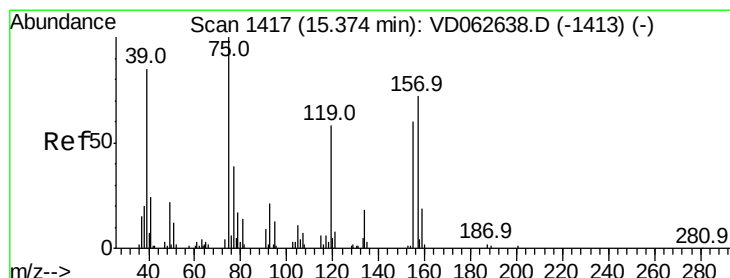
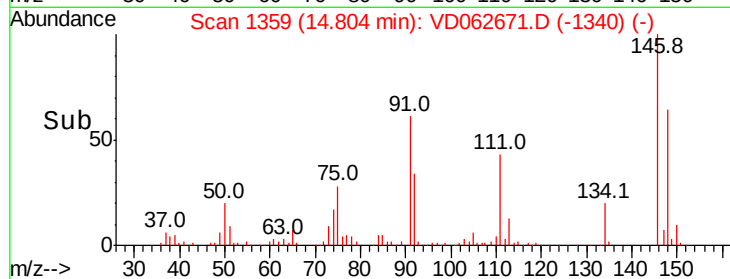
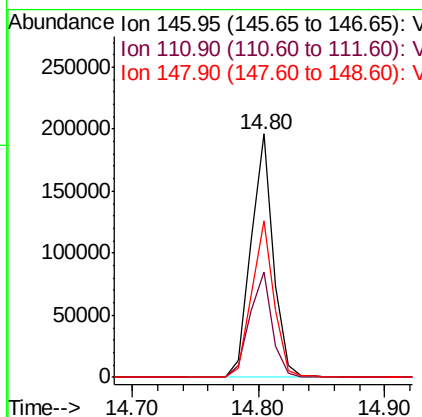
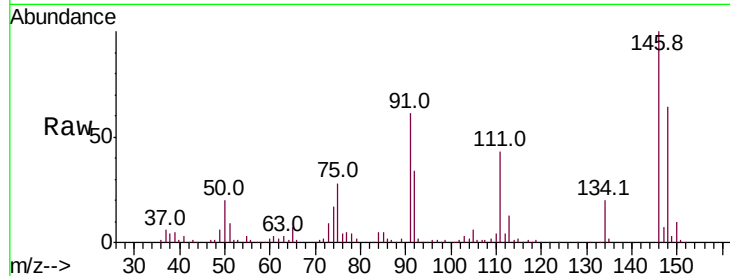
#91
 1,2-Dichlorobenzene
 Concen: 16.370 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.1	54.3
148	64.4	31.4	94.0

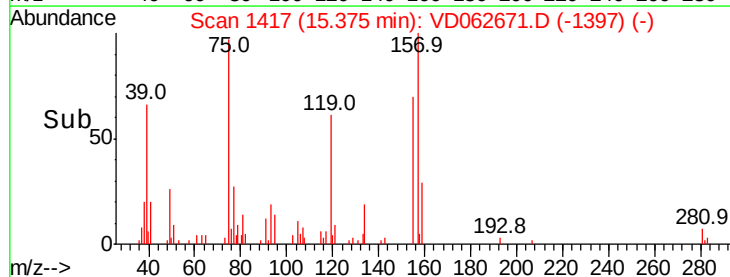
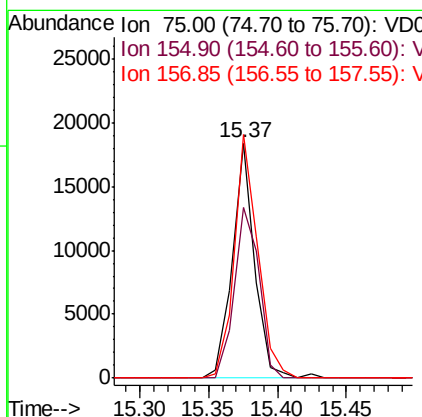
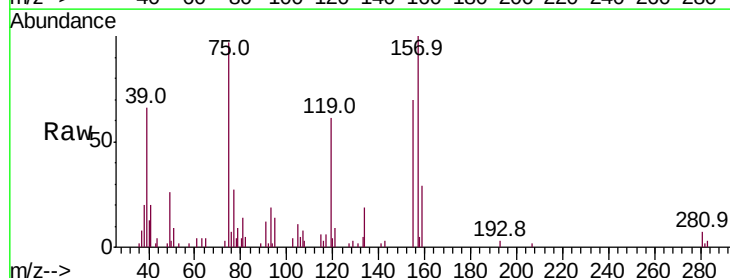
Manual Integrations
 APPROVED

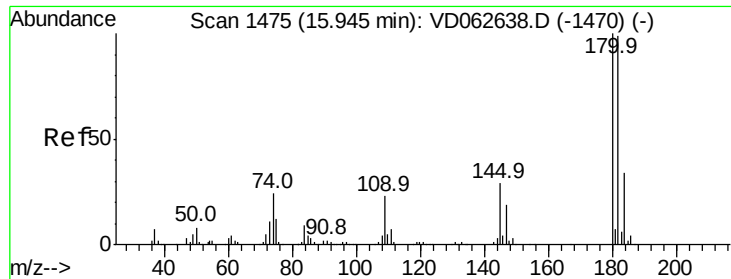
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 6/13/2019 3:11:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.512 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062671.D
 Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	30.1	90.5
157	103.5	35.9	107.8





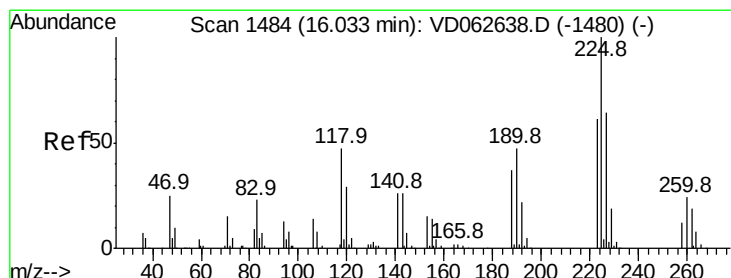
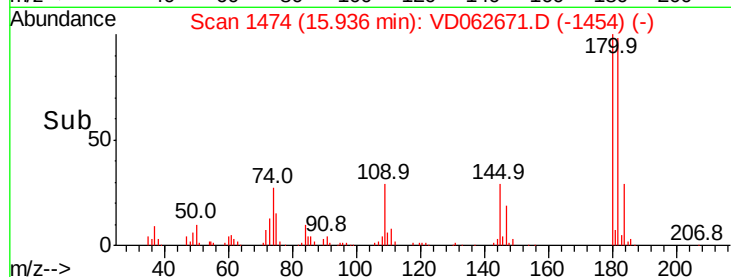
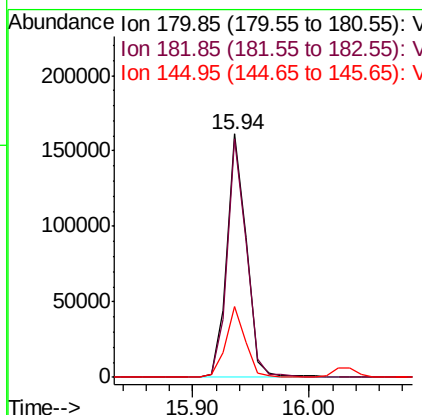
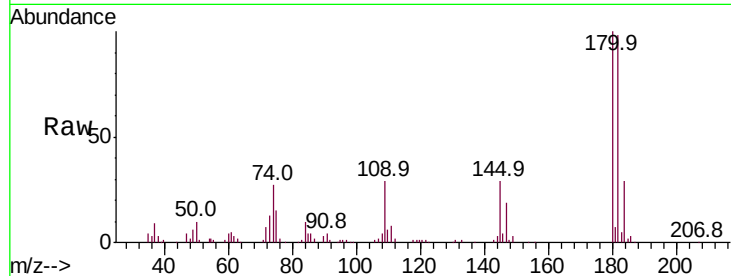
#93
1,2,4-Trichlorobenzene
Concen: 17.564 ug/l
RT: 15.94 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	188210		
182	98.0	49.4	148.2	
145	29.1	14.5	43.6	

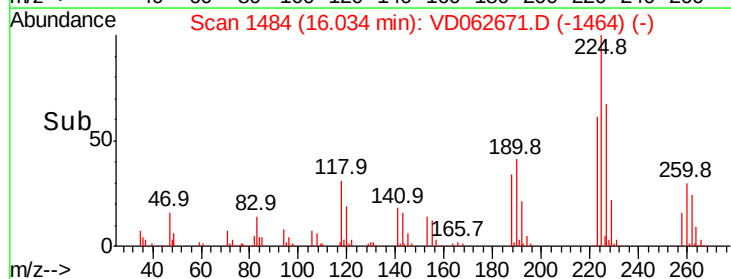
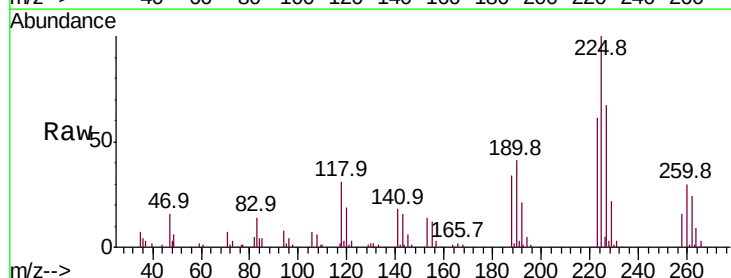
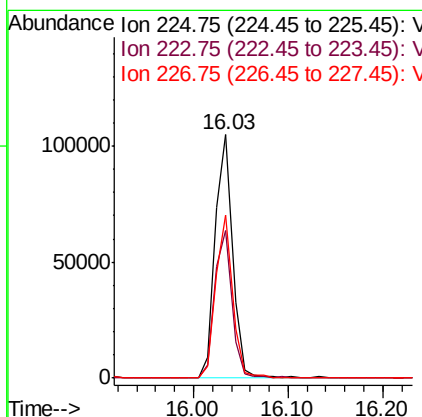
Manual Integrations
APPROVED

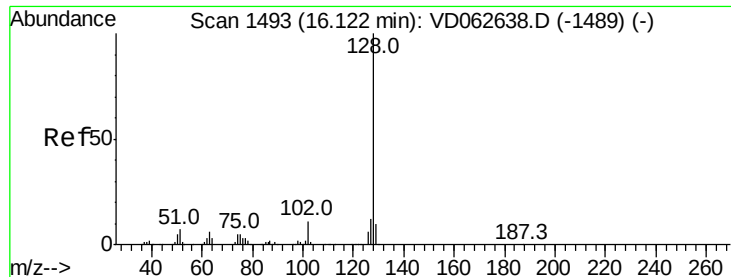
MMDadoda
6/13/2019 3:11:59 PM



#94
Hexachlorobutadiene
Concen: 15.490 ug/l
RT: 16.03 min Scan# 1484
Delta R.T. 0.00 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134627		
223	60.8	30.3	91.0	
227	66.8	31.8	95.4	





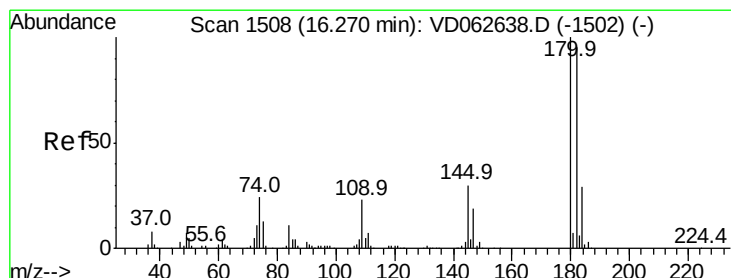
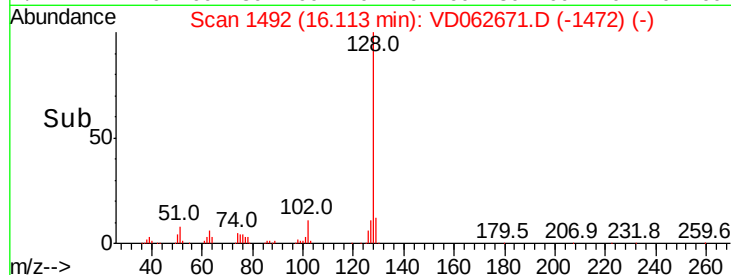
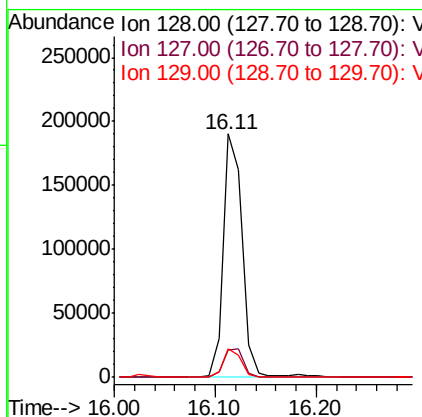
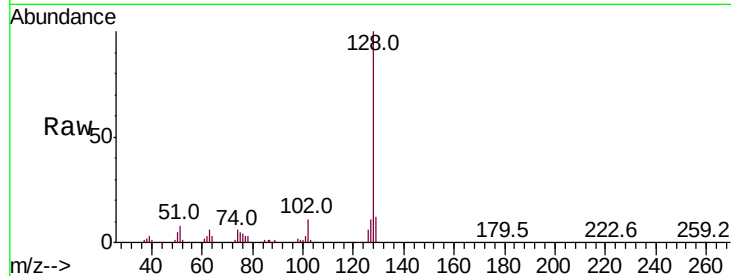
#95
Naphthalene
Concen: 16.637 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.2	9.7	14.5
129	11.6	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
6/13/2019 3:11:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 15.834 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062671.D
Acq: 12 Jun 2019 13:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.2	47.7	143.1
145	29.3	15.0	45.0

