

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064659.D
 Acq On : 27 Dec 2019 23:54
 Operator : VA/SY
 Sample : VD1227SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:24 AM

Quant Time: Dec 30 04:11:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	404034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	612063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	557866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	194174	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
35) Dibromofluoromethane	7.92	113	189465	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.34	98	715910	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.64	95	233504	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56212	17.902	ug/l	100
3) Chloromethane	2.21	50	88696	20.198	ug/l	99
4) Vinyl Chloride	2.35	62	102074	19.064	ug/l	95
5) Bromomethane	2.75	94	77187	19.827	ug/l	92
6) Chloroethane	2.91	64	73348	20.444	ug/l	95
7) Trichlorofluoromethane	3.27	101	169905	18.846	ug/l	97
8) Diethyl Ether	3.71	74	38514	21.513	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	67763	18.149	ug/l	98
10) Methyl Iodide	4.29	142	72622	18.108	ug/l	99
11) Tert butyl alcohol	5.26	59	23557	115.373	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	66390	18.677	ug/l	99
13) Acrolein	3.92	56	27220	95.657	ug/l	99
14) Allyl chloride	4.71	41	107781	19.448	ug/l	99
15) Acrylonitrile	5.44	53	80697	108.216	ug/l	99
16) Acetone	4.17	43	67692	86.314	ug/l	94
17) Carbon Disulfide	4.40	76	210936	18.352	ug/l	97
18) Methyl Acetate	4.73	43	46548	23.207	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	165592	20.973	ug/l	96
20) Methylene Chloride	4.96	84	86407	20.866	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	76945	19.007	ug/l	97
22) Diisopropyl ether	6.37	45	230981	20.895	ug/l	97
23) Vinyl Acetate	6.31	43	649679	103.607	ug/l	99
24) 1,1-Dichloroethane	6.27	63	136690	20.598	ug/l	98
25) 2-Butanone	7.22	43	101246	103.385	ug/l	100
26) 2,2-Dichloropropane	7.21	77	104892	17.000	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	91708	20.991	ug/l	95
28) Bromochloromethane	7.55	49	48176	18.675	ug/l	98
29) Tetrahydrofuran	7.57	42	66352	108.951	ug/l	98
30) Chloroform	7.71	83	142658	20.489	ug/l	95
31) Cyclohexane	7.99	56	120212	18.096	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	126122	19.286	ug/l	99
36) 1,1-Dichloropropene	8.11	75	105521	17.912	ug/l	98
37) Ethyl Acetate	7.30	43	48228	20.839	ug/l	96
38) Carbon Tetrachloride	8.10	117	109652	17.456	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	124755	17.485	ug/l	95
40) Benzene	8.35	78	308189	19.164	ug/l	97
41) Methacrylonitrile	7.53	41	27587	20.545	ug/l	95
42) 1,2-Dichloroethane	8.43	62	95765	20.607	ug/l	99
43) Isopropyl Acetate	8.46	43	91485	19.860	ug/l	100
44) Trichloroethene	9.11	130	87201	18.458	ug/l	95
45) 1,2-Dichloropropane	9.39	63	78541	20.455	ug/l	95
46) Dibromomethane	9.48	93	43938	20.524	ug/l	98
47) Bromodichloromethane	9.66	83	113356	19.899	ug/l	98
48) Methyl methacrylate	9.46	41	42598	19.640	ug/l	88
49) 1,4-Dioxane	9.47	88	10923	442.494	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	231333	101.601	ug/l	99
52) Toluene	10.41	92	201959	19.141	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	102878	19.370	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	123772	19.764	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	58418	20.248	ug/l	92
56) Ethyl methacrylate	10.66	69	70764	19.639	ug/l	95
57) 1,3-Dichloropropane	10.95	76	102232	20.580	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145358	105.887	ug/l	99
59) 2-Hexanone	10.99	43	155424	100.574	ug/l	98
60) Dibromochloromethane	11.14	129	78777	19.745	ug/l	96
61) 1,2-Dibromoethane	11.25	107	56488	19.851	ug/l	98
64) Tetrachloroethene	10.88	164	79055	18.471	ug/l	94
65) Chlorobenzene	11.67	112	219019	18.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	83570	19.146	ug/l	97
67) Ethyl Benzene	11.74	91	377062	17.942	ug/l	99
68) m/p-Xylenes	11.86	106	292347	36.041	ug/l	99
69) o-Xylene	12.18	106	134399	18.344	ug/l	99
70) Styrene	12.20	104	236017	18.352	ug/l	100
71) Bromoform	12.37	173	48206	19.366	ug/l #	100
73) Isopropylbenzene	12.48	105	354016	17.669	ug/l	100
74) N-amyl acetate	12.29	43	81184	18.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	63510	20.179	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	38882m	17.562	ug/l	
77) Bromobenzene	12.77	156	91969	18.681	ug/l	97
78) n-propylbenzene	12.83	91	419491	17.947	ug/l	98
79) 2-Chlorotoluene	12.91	91	234809	18.287	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	297590	18.082	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19599	18.515	ug/l	96
82) 4-Chlorotoluene	13.01	91	253634	18.562	ug/l	99
83) tert-Butylbenzene	13.23	119	249860	17.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	302611	18.462	ug/l	97
85) sec-Butylbenzene	13.41	105	344090	17.564	ug/l	99
86) p-Isopropyltoluene	13.52	119	317265	16.937	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	174964	18.643	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	174437	18.920	ug/l	99
89) n-Butylbenzene	13.85	91	293277	17.385	ug/l	100
90) Hexachloroethane	14.12	117	66887	18.693	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	151011	18.870	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10197	19.985	ug/l	94

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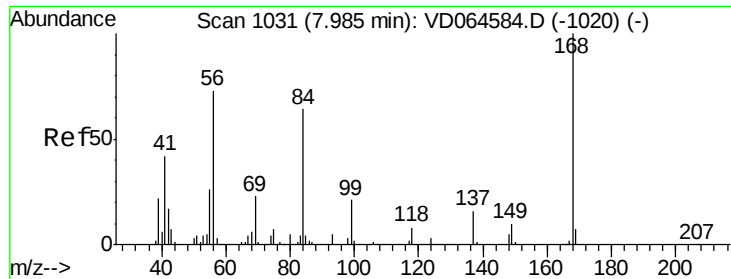
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	109287	18.547	ug/l	99
94) Hexachlorobutadiene	15.28	225	63477	17.119	ug/l	98
95) Naphthalene	15.41	128	176243	18.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	96154	19.115	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion:168 Resp: 404034

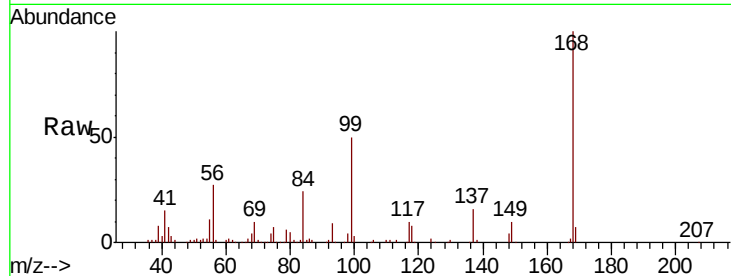
Ion Ratio Lower Upper

168 100

99 49.5 41.8 62.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

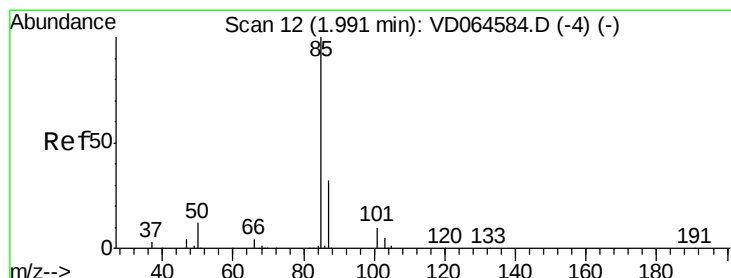
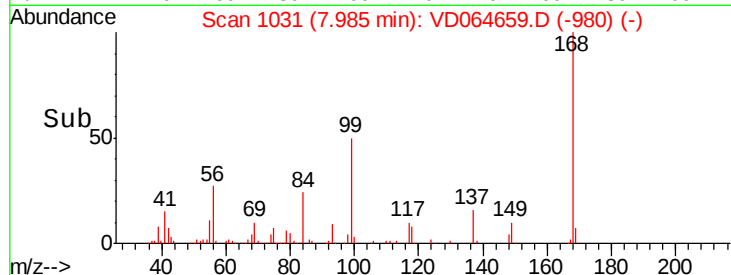
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.902 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064659.D

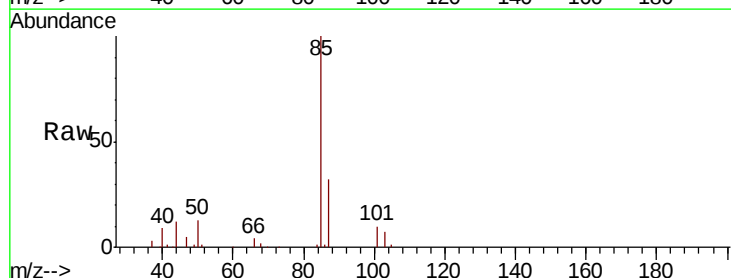
Acq: 27 Dec 2019 23:54

Tgt Ion: 85 Resp: 56212

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

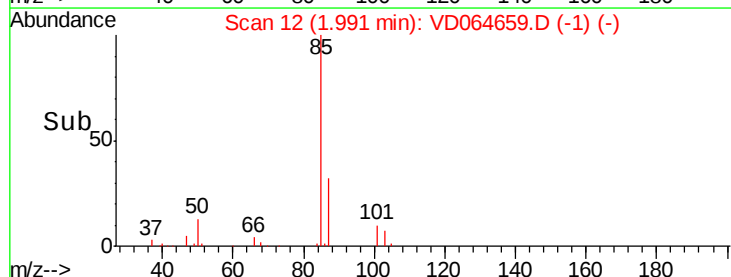
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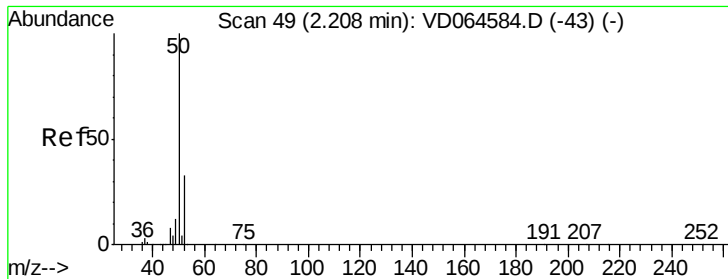
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.198 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 50 Resp: 88696

Ion Ratio Lower Upper

50 100

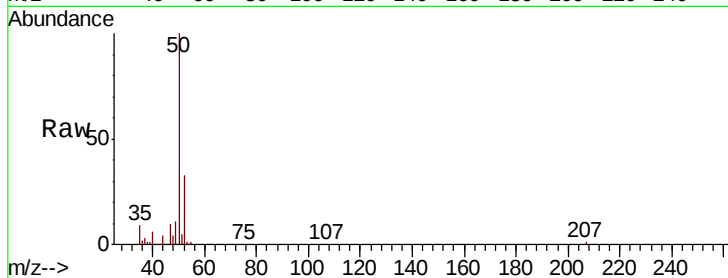
52 32.7 26.5 39.7

Manual Integrations

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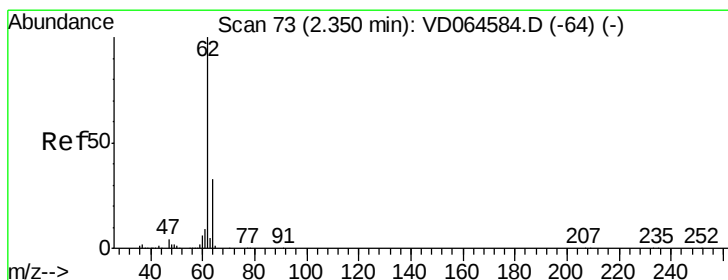
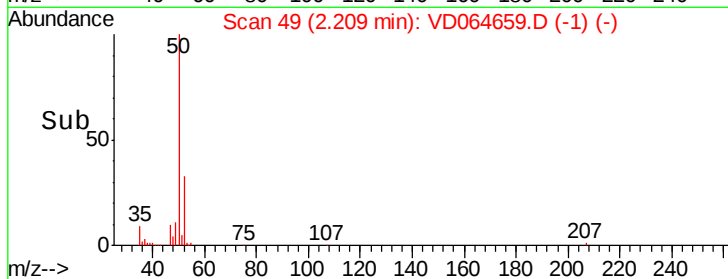
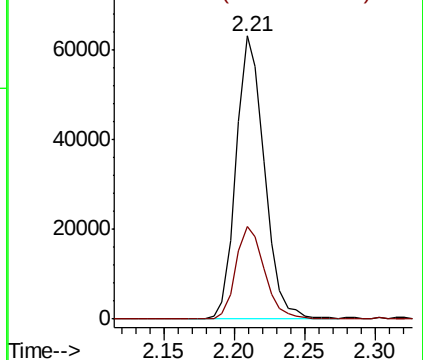
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.064 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064659.D

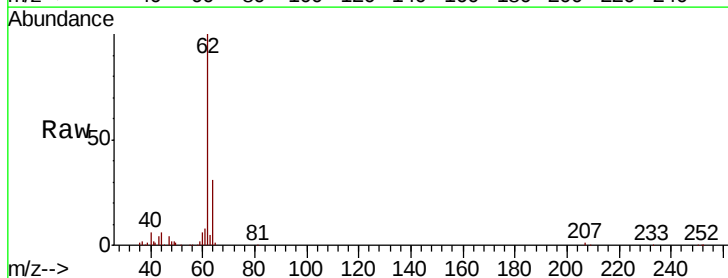
Acq: 27 Dec 2019 23:54

Tgt Ion: 62 Resp: 102074

Ion Ratio Lower Upper

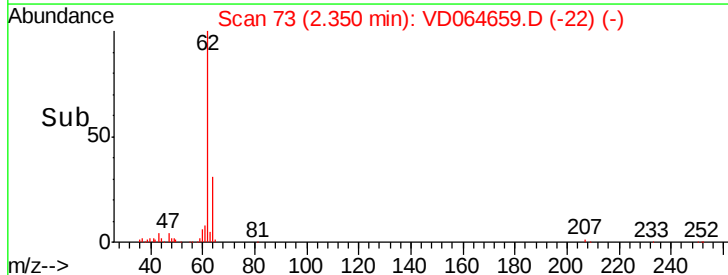
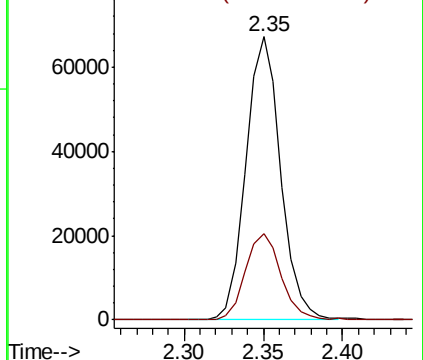
62 100

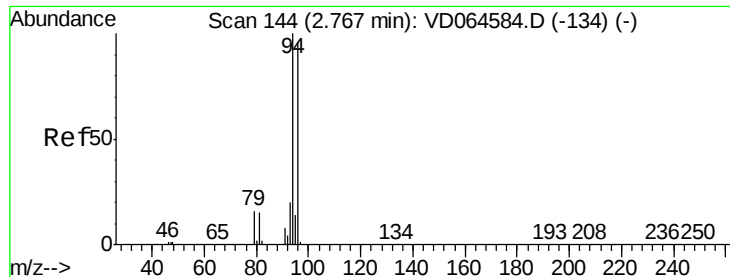
64 30.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.827 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 94 Resp: 77187

Ion Ratio Lower Upper

94 100

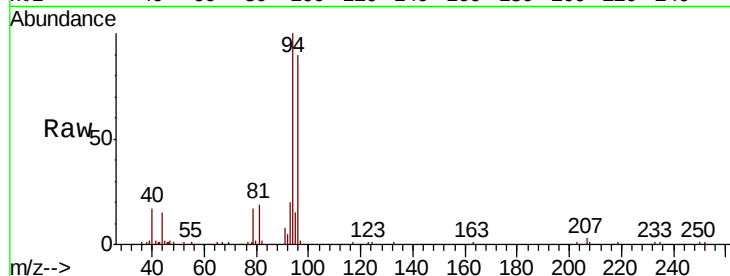
96 88.7 77.2 115.8

Manual Integrations

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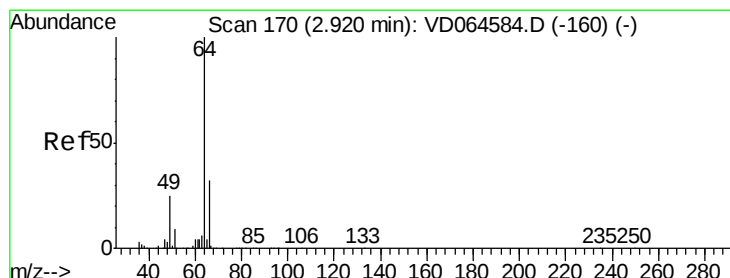
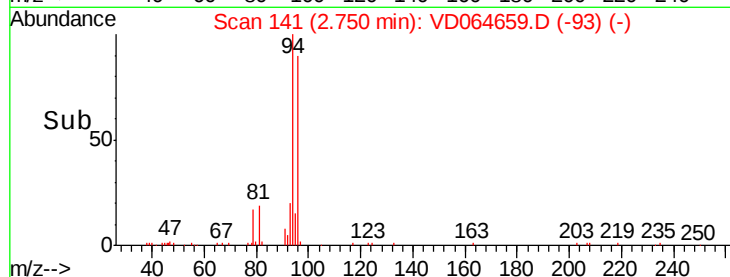
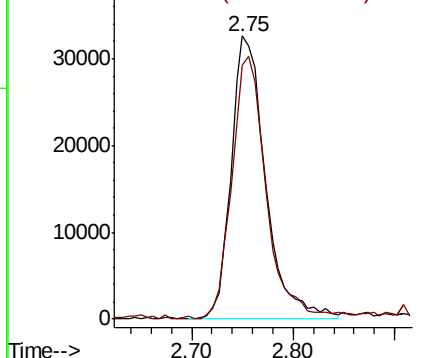
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.444 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064659.D

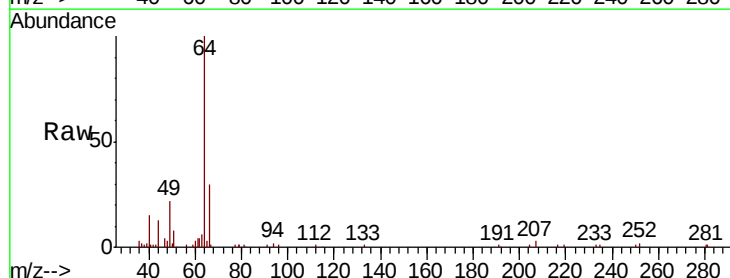
Acq: 27 Dec 2019 23:54

Tgt Ion: 64 Resp: 73348

Ion Ratio Lower Upper

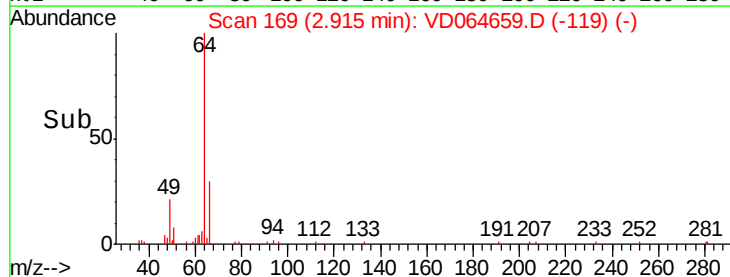
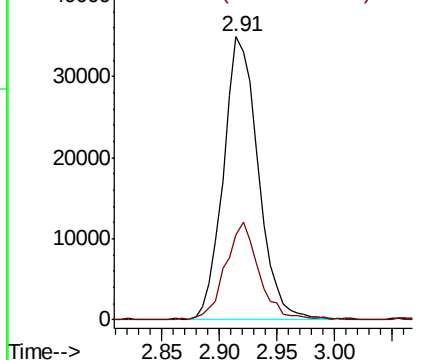
64 100

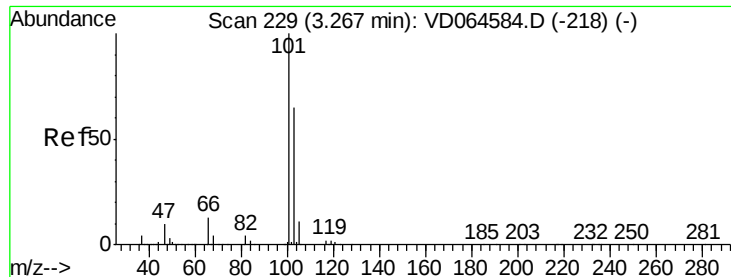
66 29.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

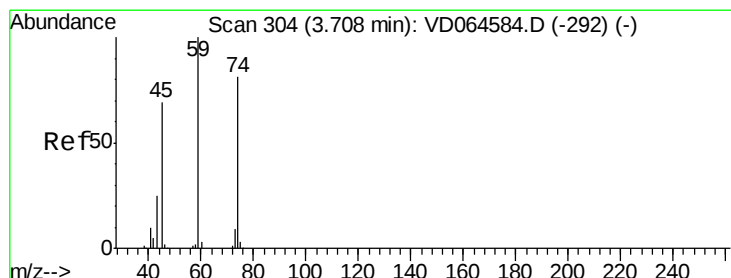
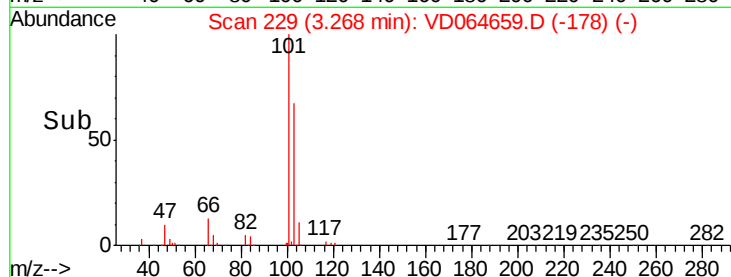
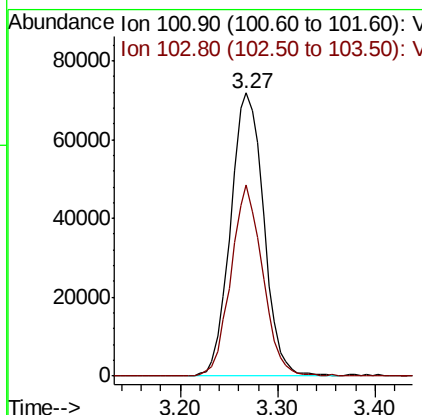
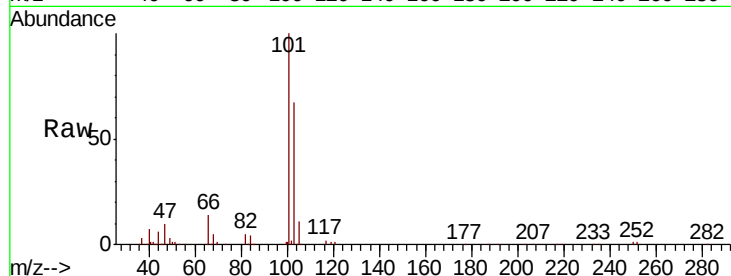
Trichlorofluoromethane
 Concen: 18.846 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.2	78.4

Manual Integrations
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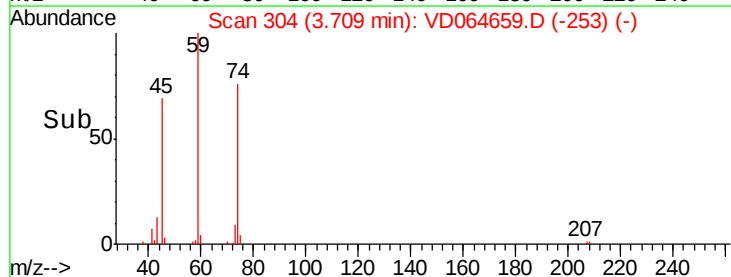
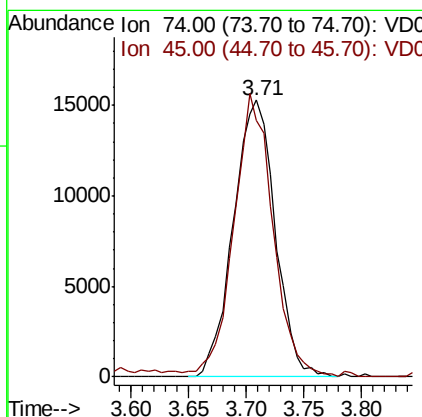
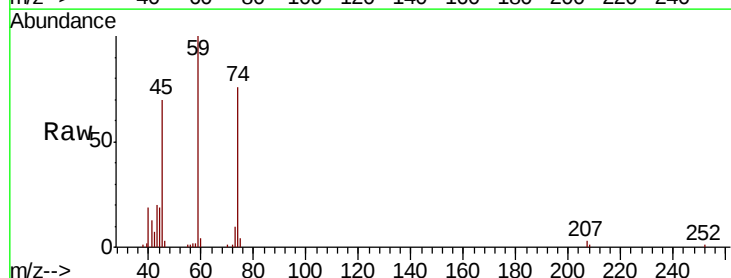
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 12/30/2019 11:03:24 AM



#8

Diethyl Ether
 Concen: 21.513 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.149 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

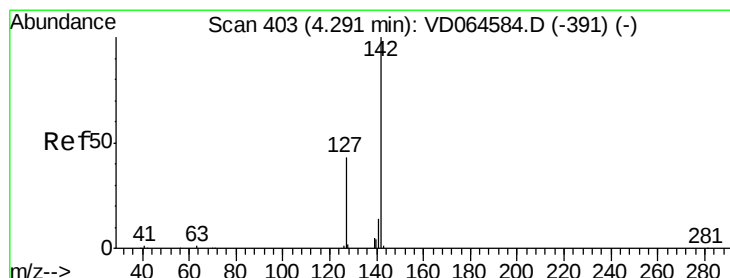
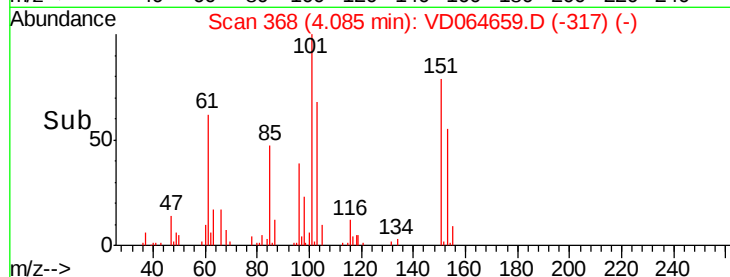
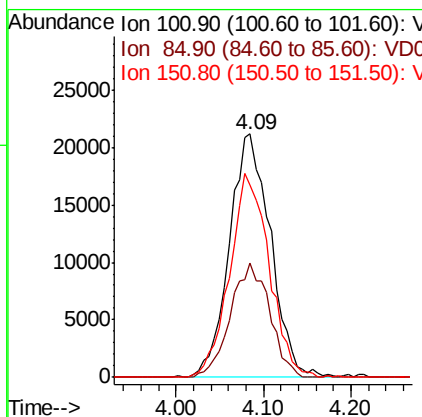
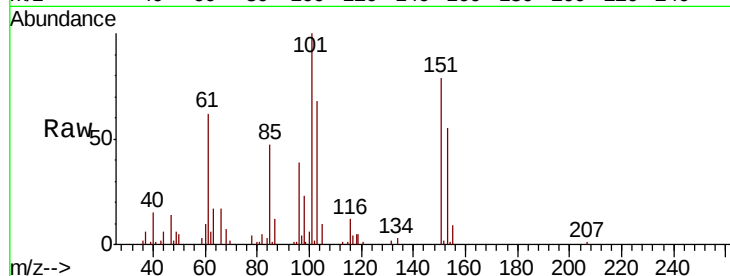
ClientSampleId :

VD1227SBS02

Tot Ion:	101	Resp:	67763
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.2	52.8
151	80.1	66.2	99.4

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#10

Methyl Iodide

Concen: 18.108 ug/l

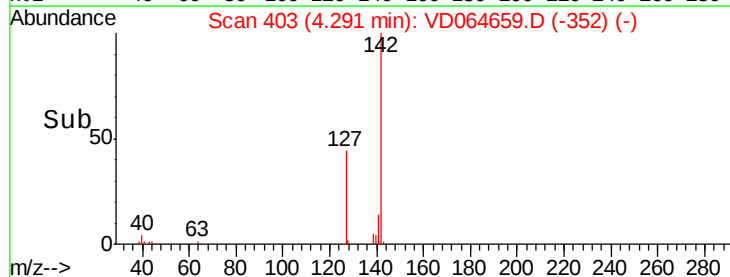
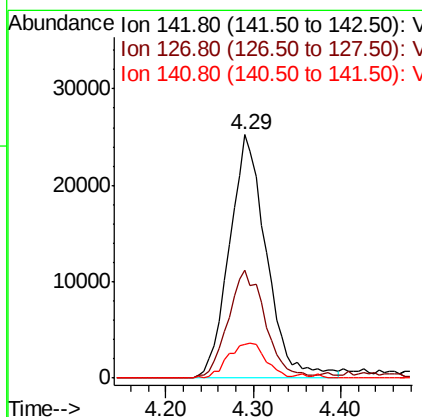
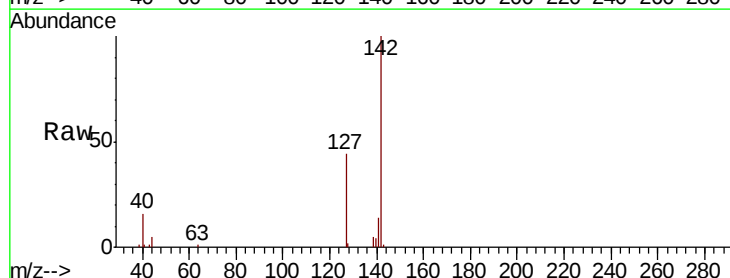
RT: 4.29 min Scan# 403

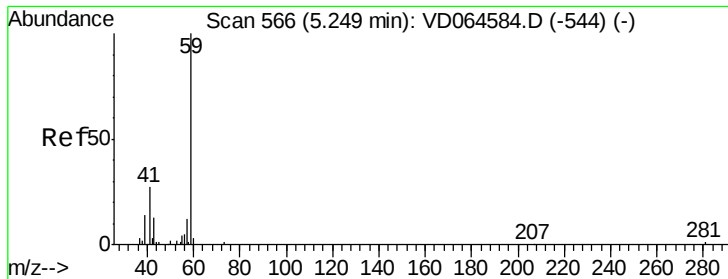
Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Tgt Ion:	142	Resp:	72622
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.2	54.4
141	14.6	11.8	17.8





#11

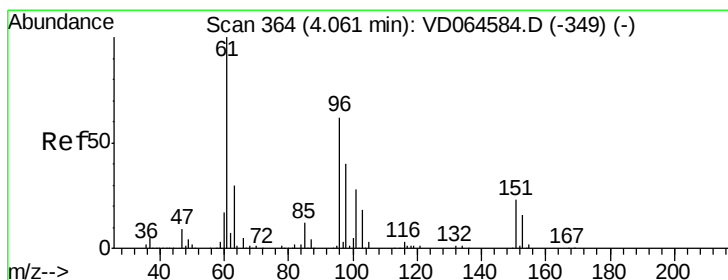
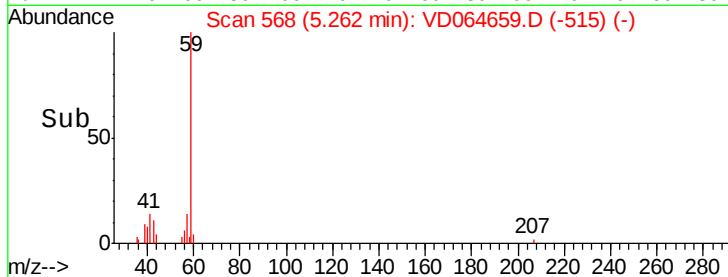
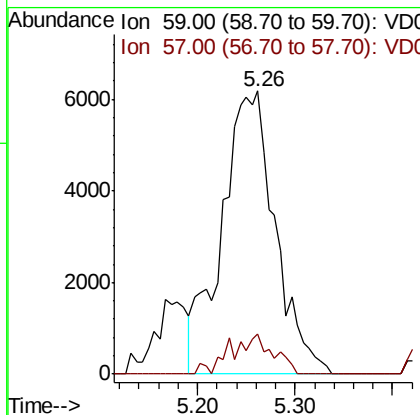
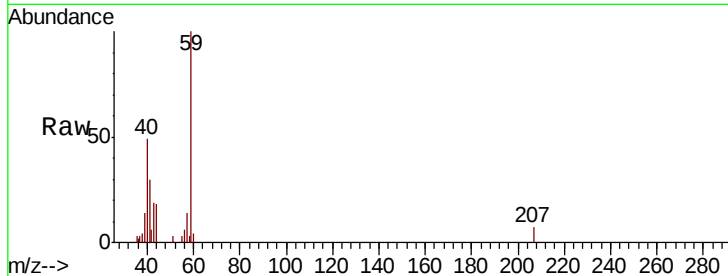
Tert butyl alcohol
 Concen: 115.373 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.9	9.3	13.9#

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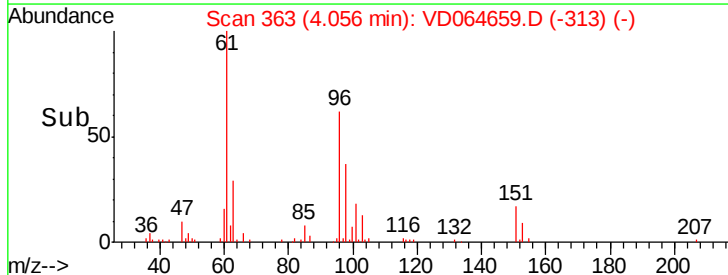
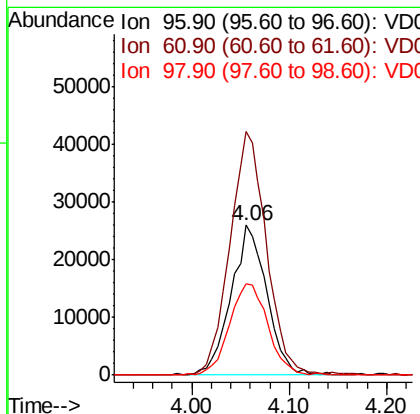
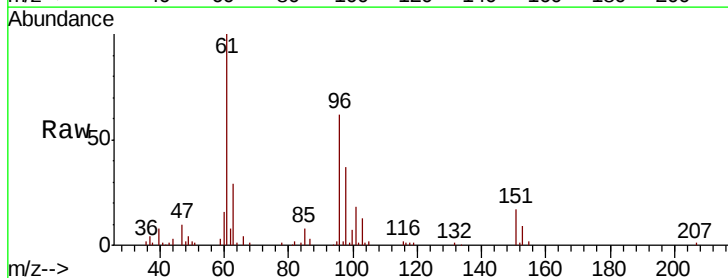
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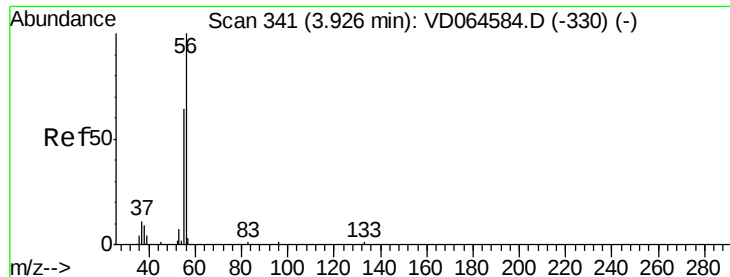


#12

1,1-Dichloroethene
 Concen: 18.677 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.6	129.4	194.0
98	60.5	51.4	77.0





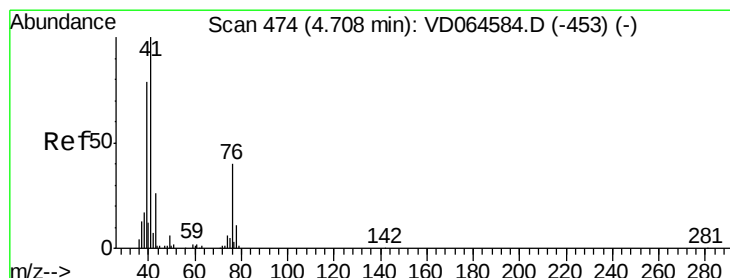
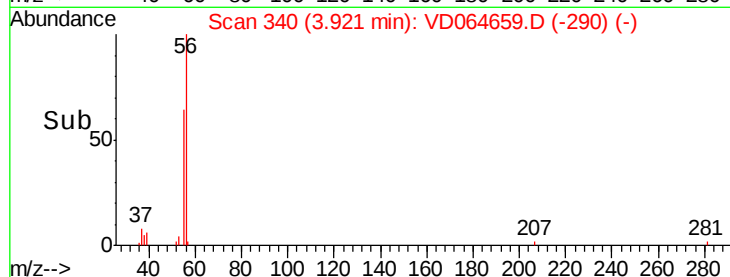
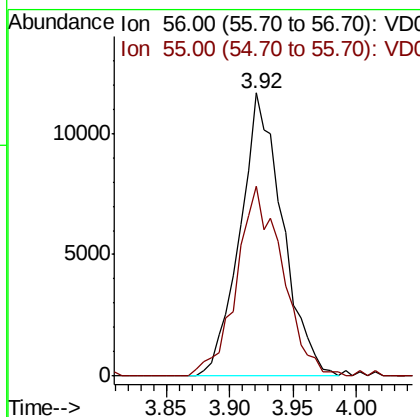
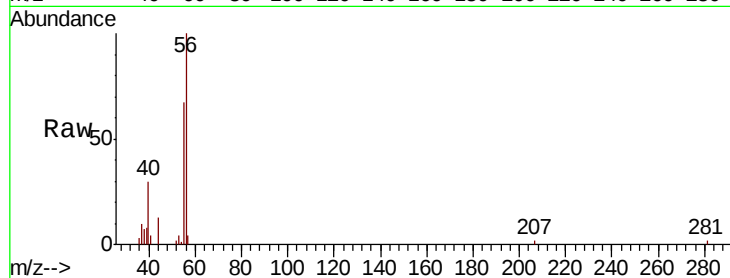
#13
Acrolein
Concen: 95.657 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	56	Resp	27220
Ion Ratio	100	Lower	Upper
55	71.9	56.7	85.1

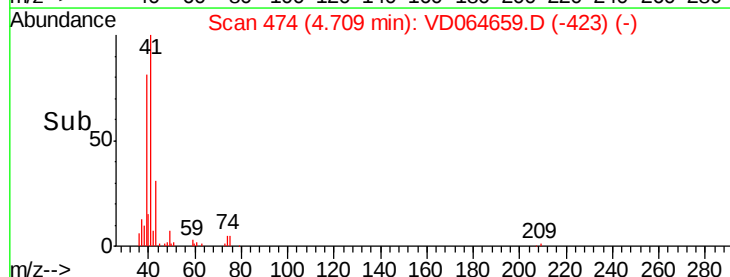
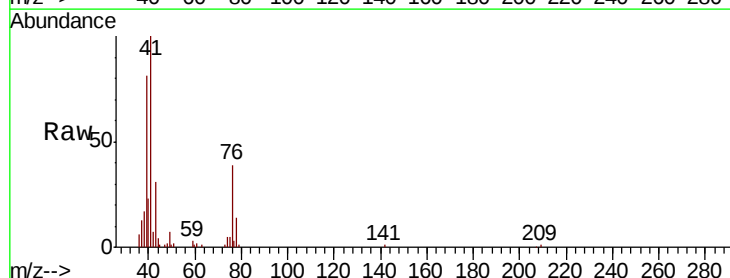
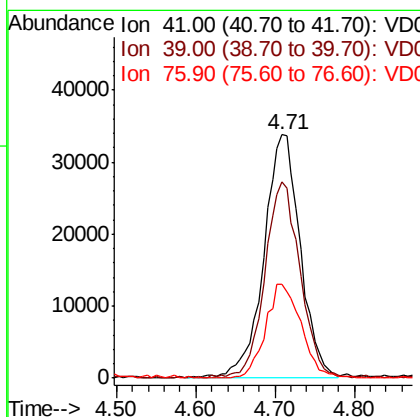
Manual Integrations
APPROVED

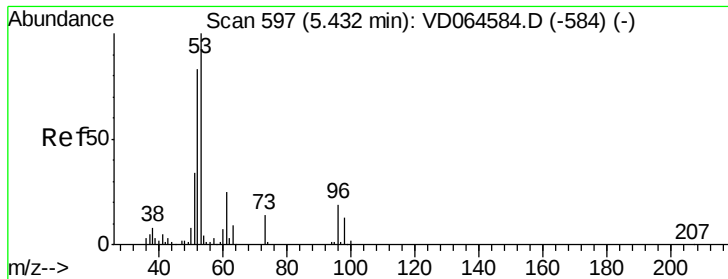
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#14
Allyl chloride
Concen: 19.448 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	41	Resp	107781
Ion Ratio	100	Lower	Upper
39	78.2	62.3	93.5
76	37.7	29.7	44.5





#15

Acrylonitrile

Concen: 108.216 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

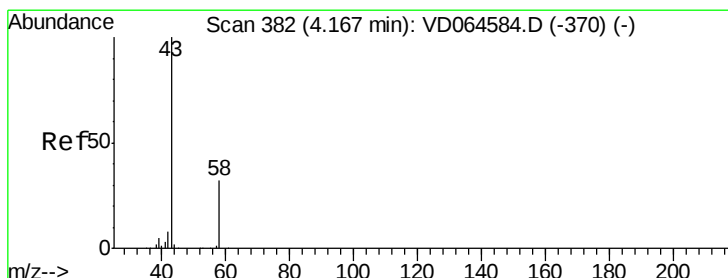
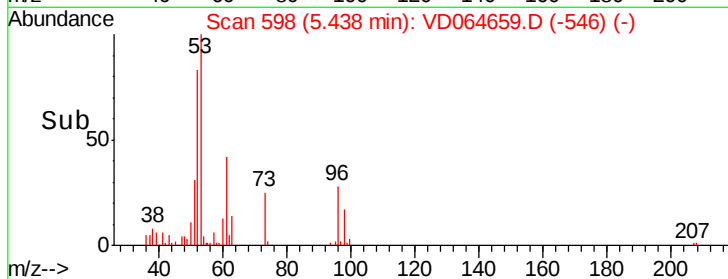
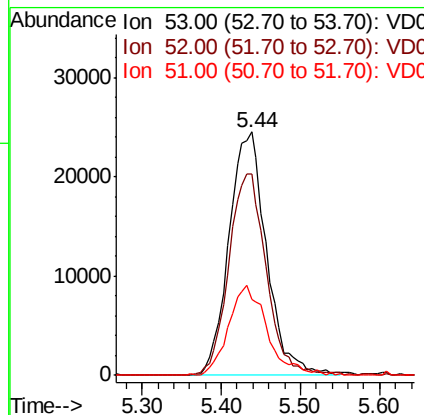
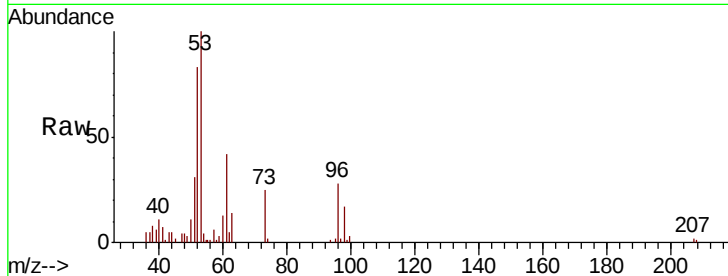
ClientSampleId :

VD1227SBS02

Tot Ion:	53	Resp:	80697
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.2	99.2
51	37.6	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 86.314 ug/l

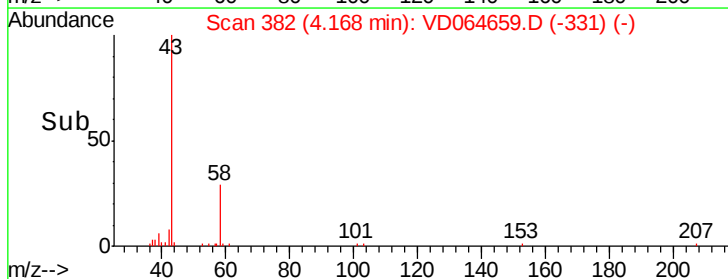
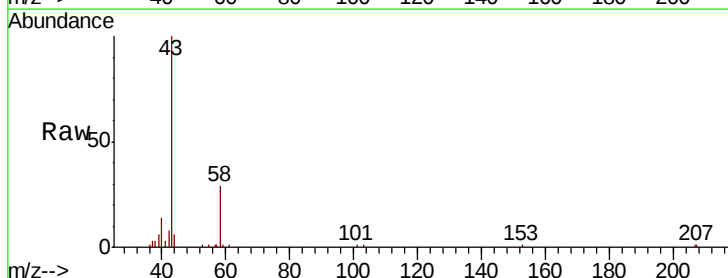
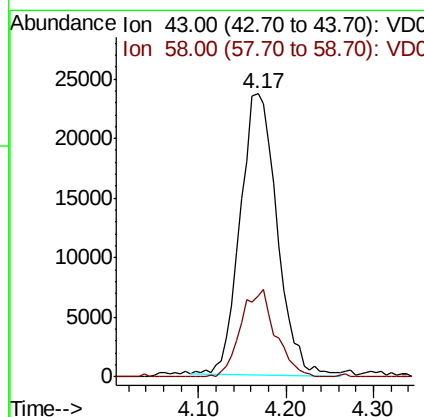
RT: 4.17 min Scan# 382

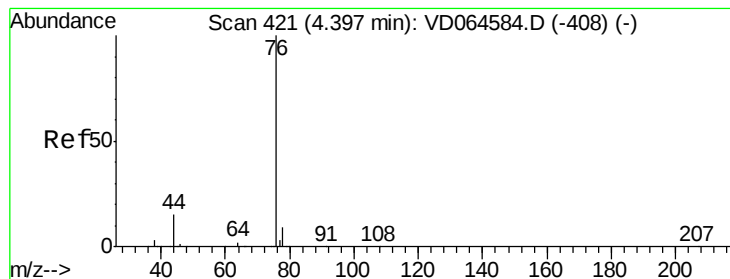
Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Tgt Ion:	43	Resp:	67692
Ion Ratio	Lower	Upper	
43	100		
58	28.8	25.8	38.6





#17

Carbon Disulfide

Concen: 18.352 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 76 Resp: 210936

Ion Ratio Lower Upper

76 100

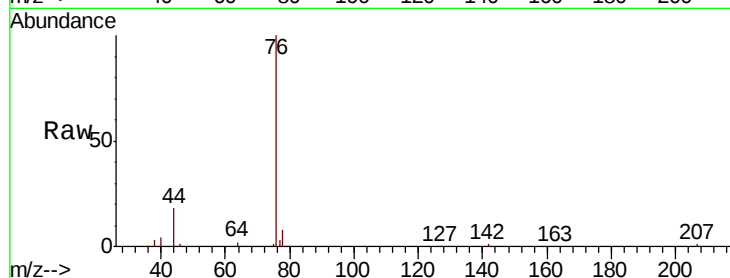
78 8.0 7.3 10.9

Manual Integrations

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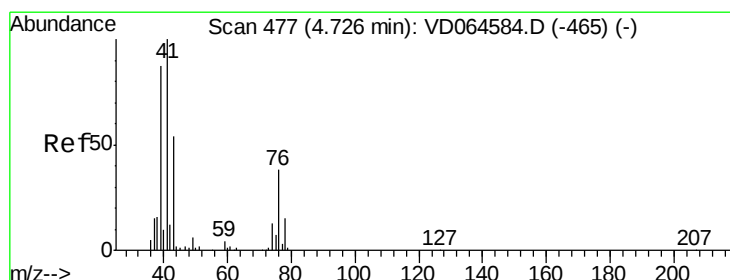
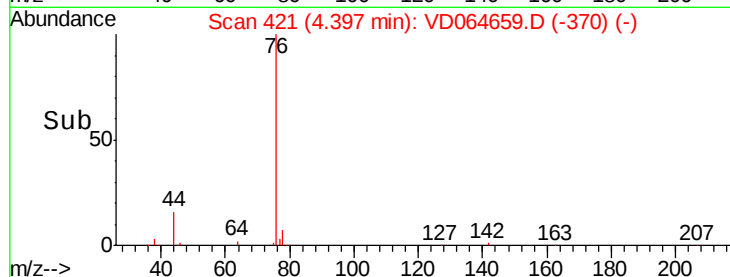
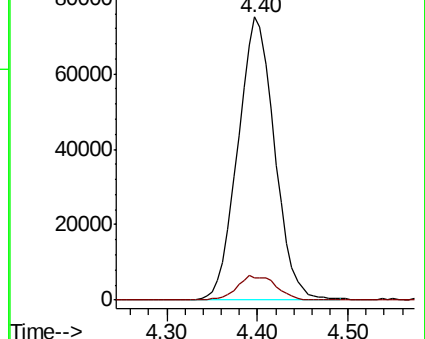
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.207 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064659.D

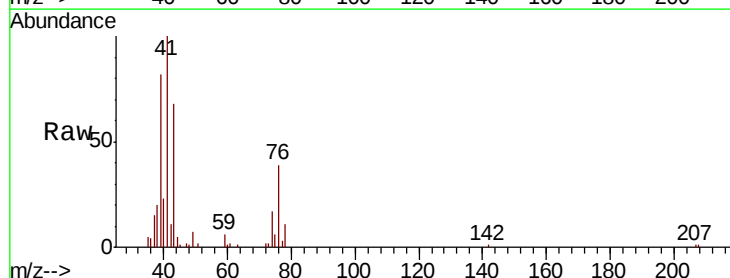
Acq: 27 Dec 2019 23:54

Tgt Ion: 43 Resp: 46548

Ion Ratio Lower Upper

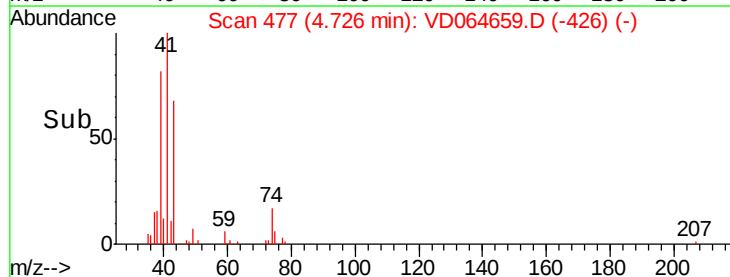
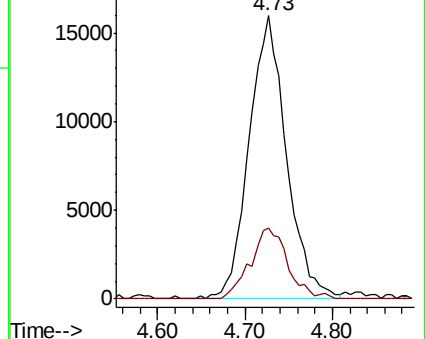
43 100

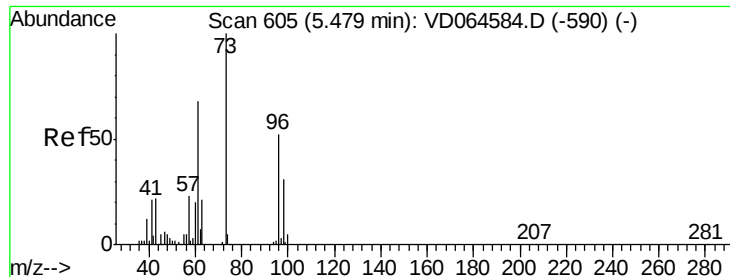
74 25.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





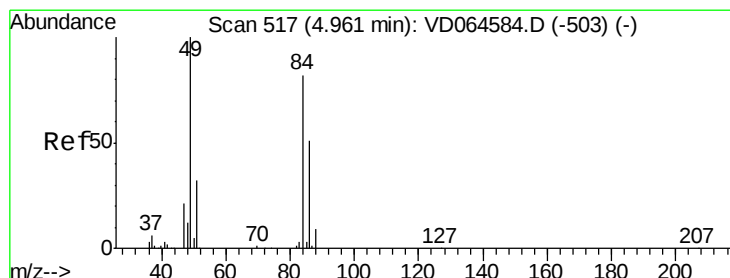
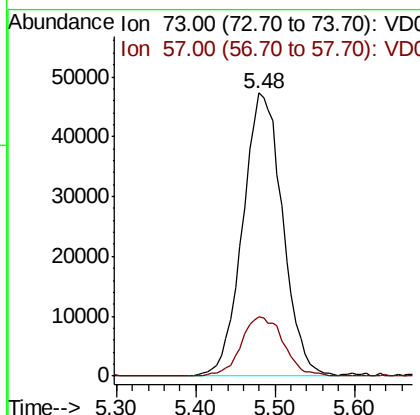
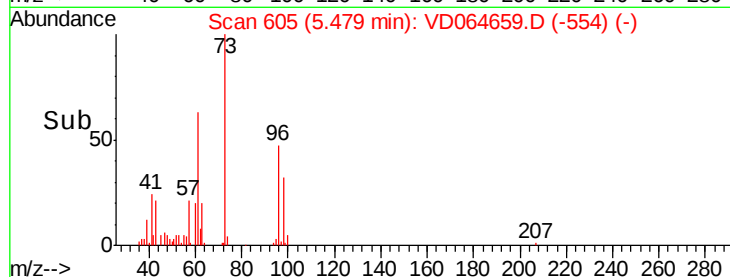
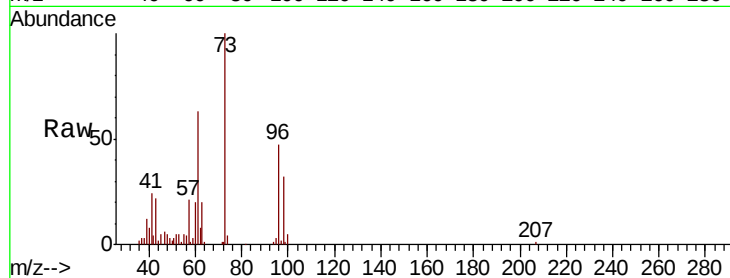
#19
Methyl tert-butyl Ether
Concen: 20.973 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.6	27.8

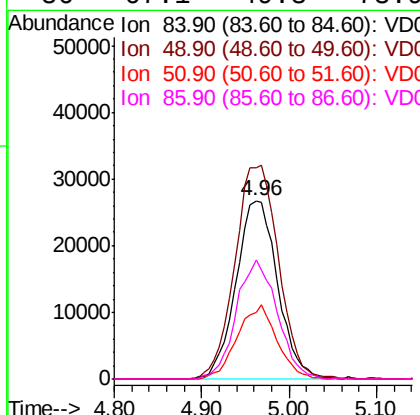
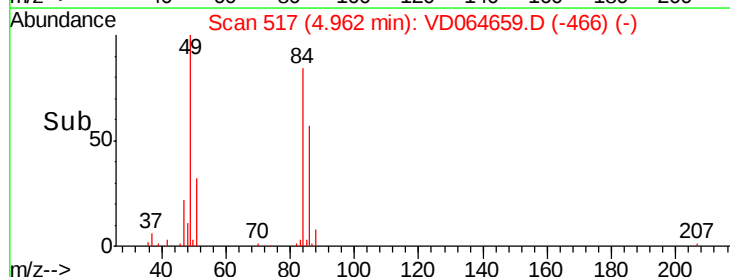
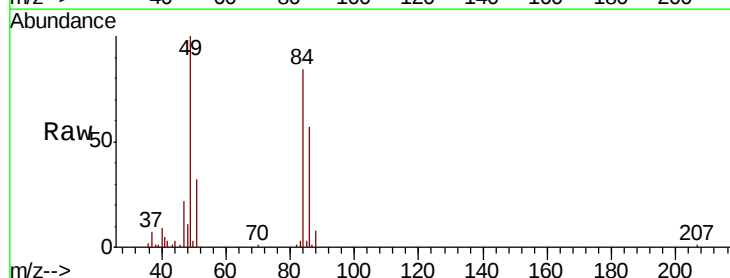
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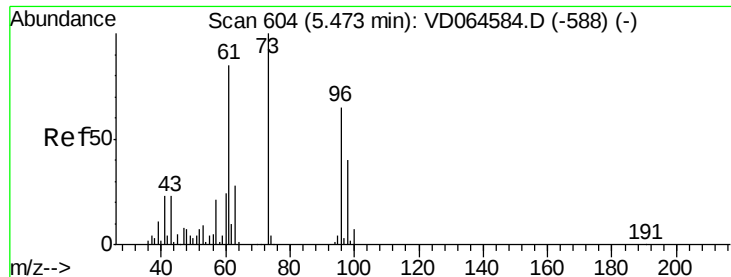
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#20
Methylene Chloride
Concen: 20.866 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.6	97.2	145.8
51	37.4	31.4	47.0
86	67.1	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 19.007 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 96 Resp: 76945

Ion Ratio Lower Upper

96 100

61 126.8 104.7 157.1

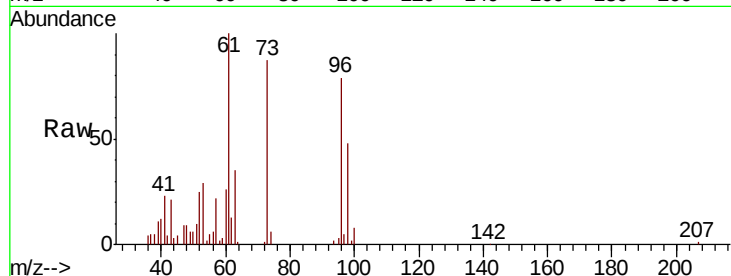
98 61.0 49.4 74.2

Manual Integrations

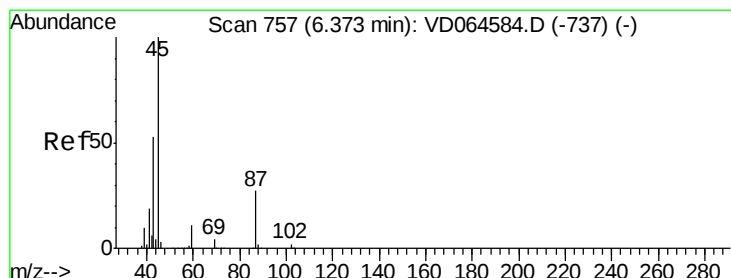
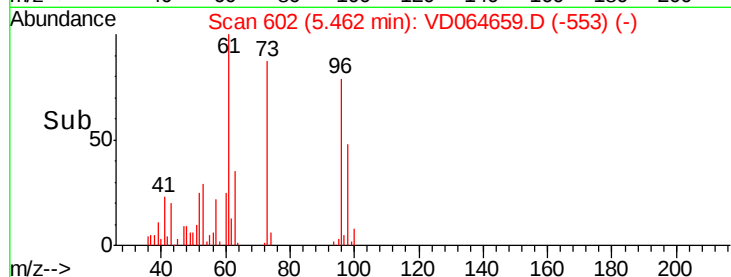
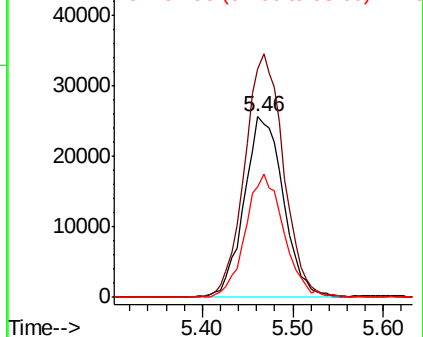
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.895 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Tgt Ion: 45 Resp: 230981

Ion Ratio Lower Upper

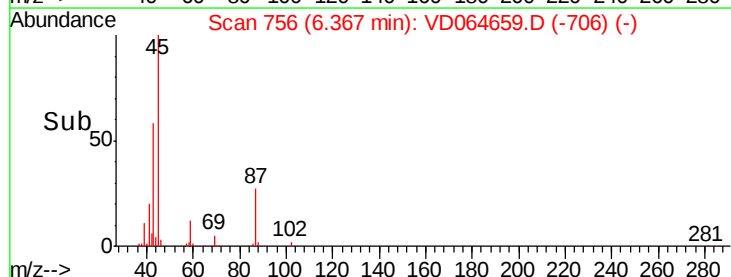
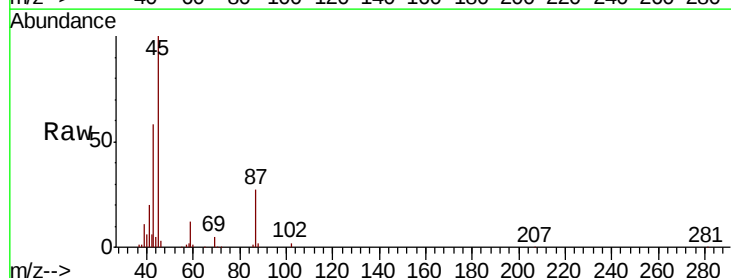
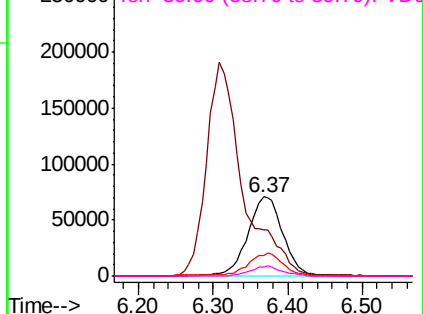
45 100

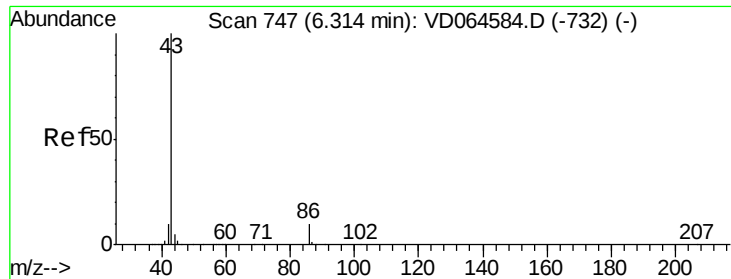
43 57.3 43.2 64.8

87 26.7 21.9 32.9

59 11.3 9.0 13.4

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 103.607 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 43 Resp: 649679

Ion Ratio Lower Upper

43 100

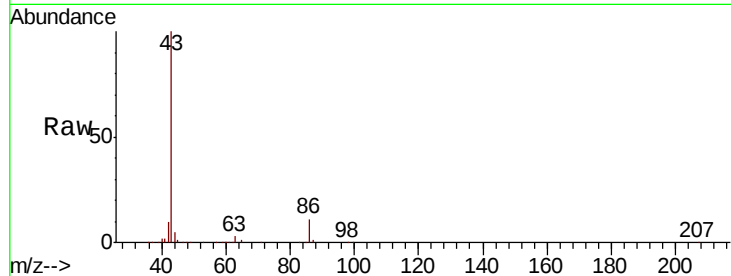
86 10.7 8.3 12.5

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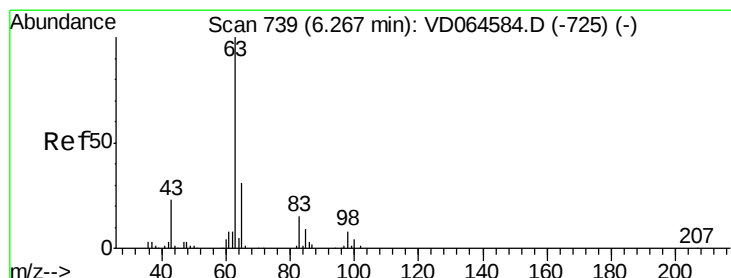
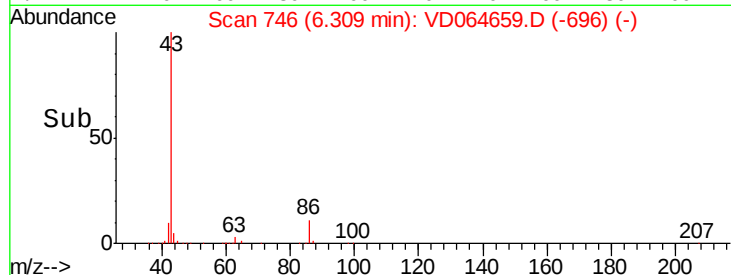
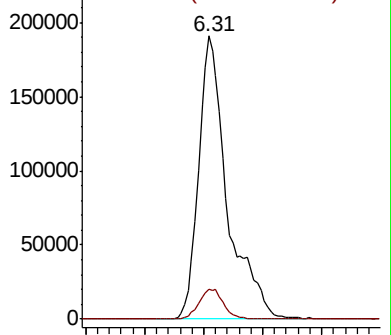
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.598 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

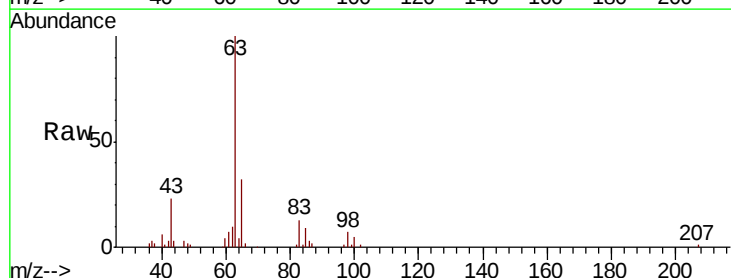
Tgt Ion: 63 Resp: 136690

Ion Ratio Lower Upper

63 100

98 7.2 4.1 12.3

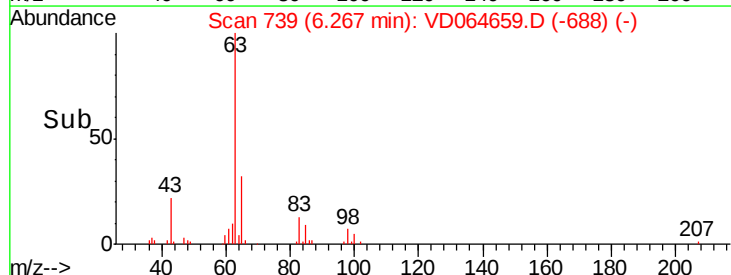
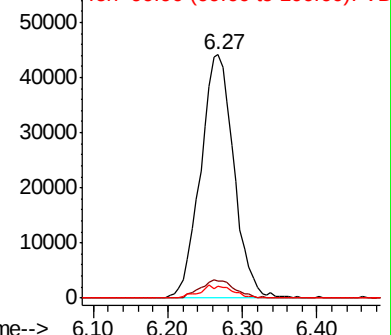
100 4.7 2.2 6.6

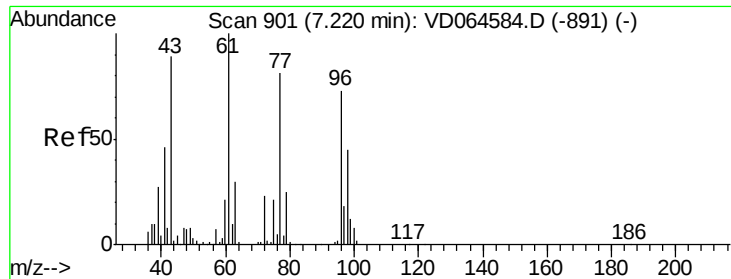


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.385 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 43 Resp: 101246

Ion Ratio Lower Upper

43 100

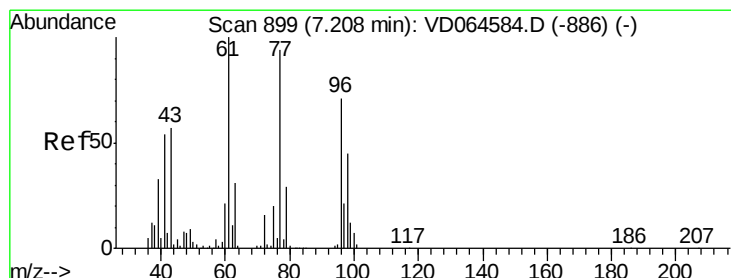
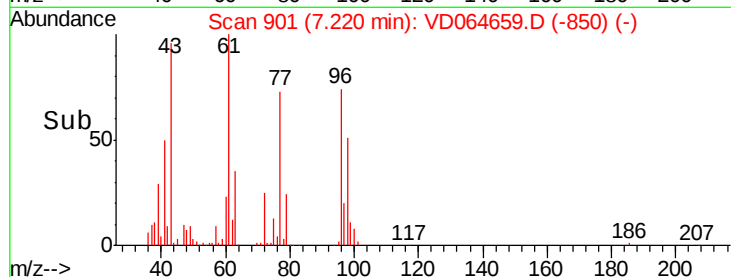
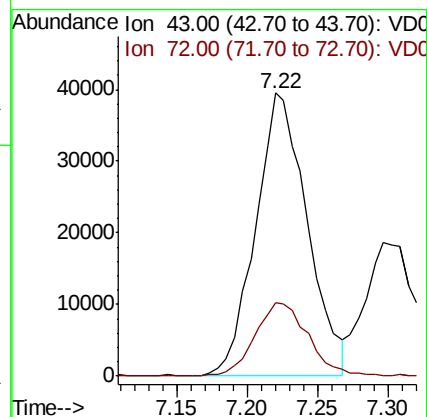
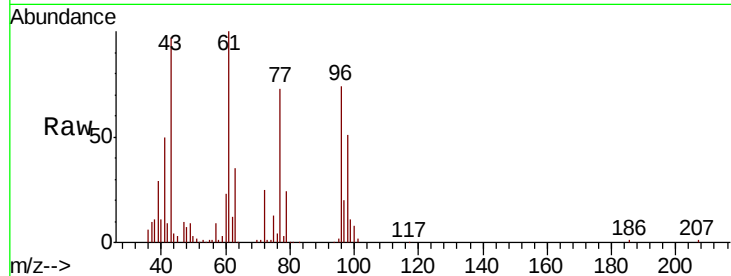
72 26.0 20.7 31.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.000 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064659.D

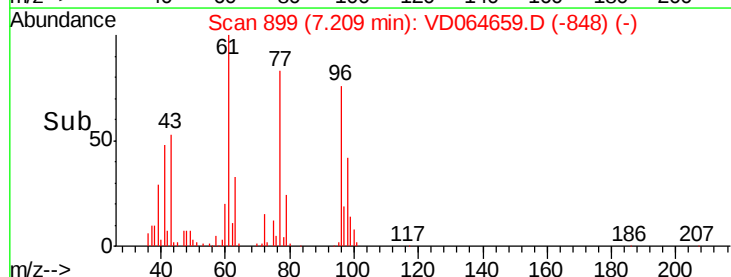
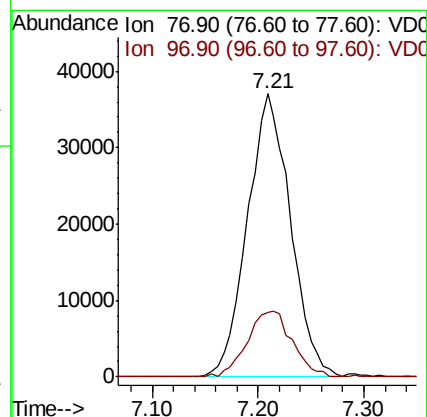
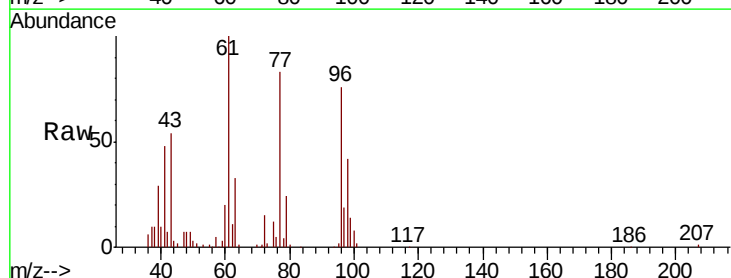
Acq: 27 Dec 2019 23:54

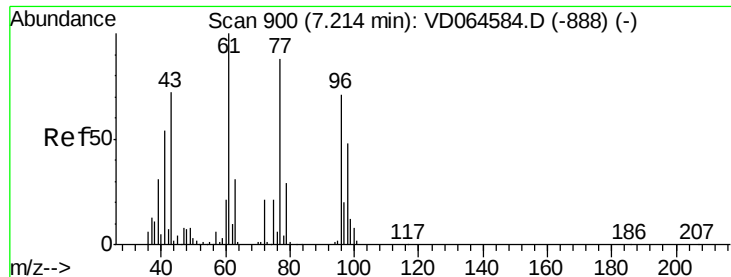
Tgt Ion: 77 Resp: 104892

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.6





#27

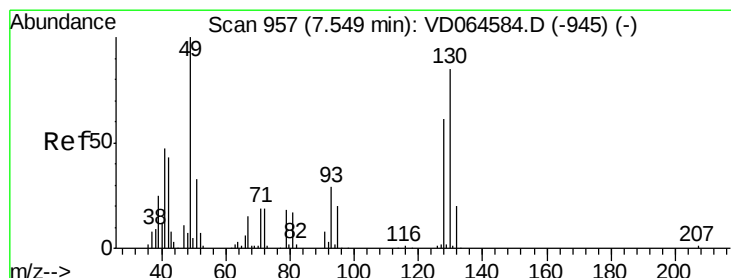
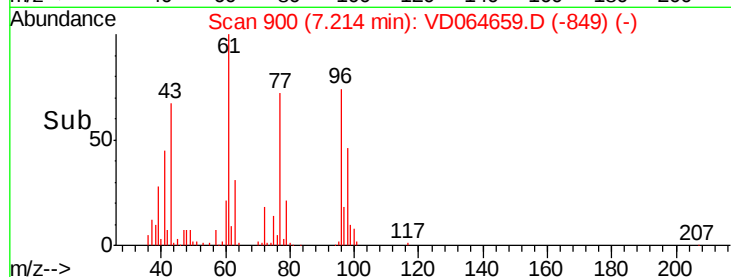
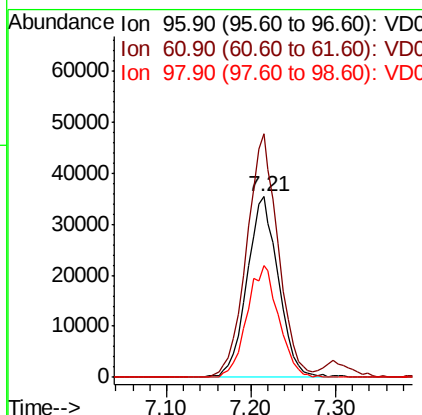
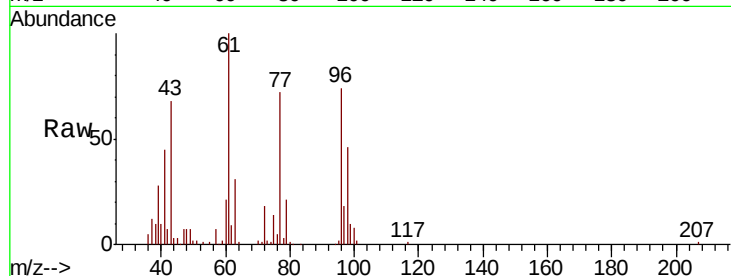
cis-1,2-Dichloroethene
Concen: 20.991 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	282.6
98	62.2	0.0	130.8

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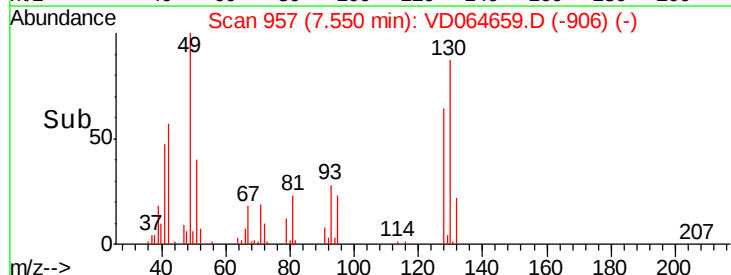
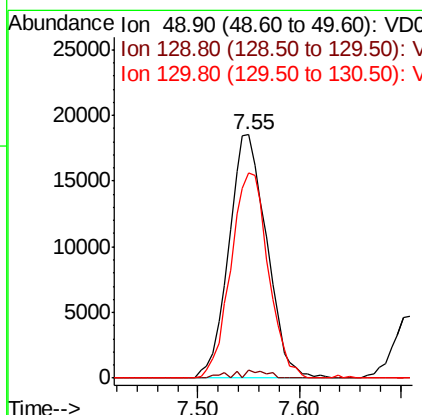
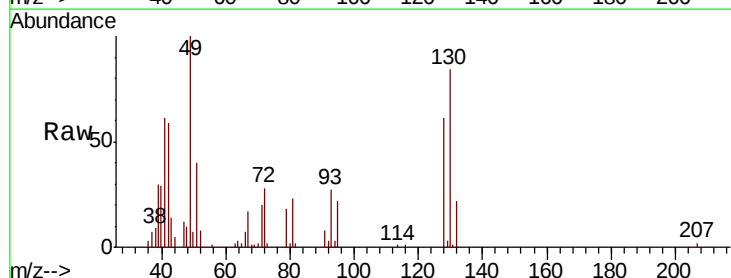
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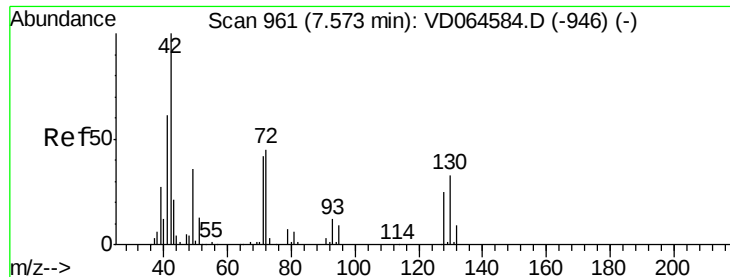


#28

Bromochloromethane
Concen: 18.675 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.8
130	83.2	65.0	97.6





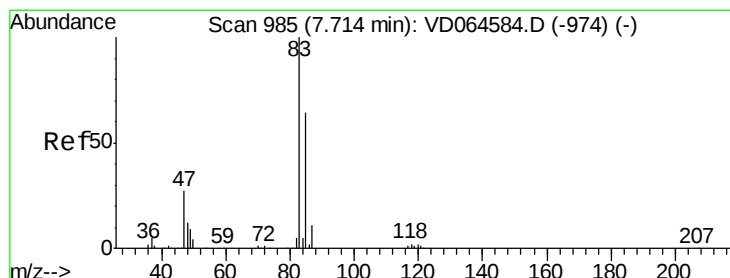
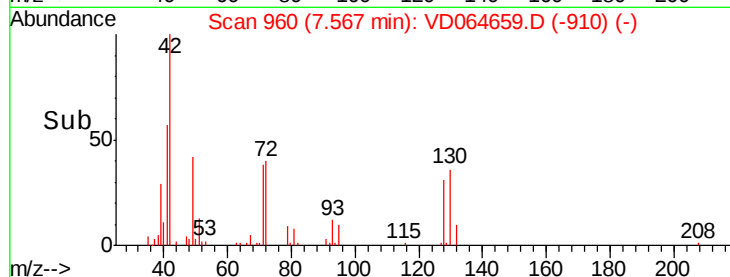
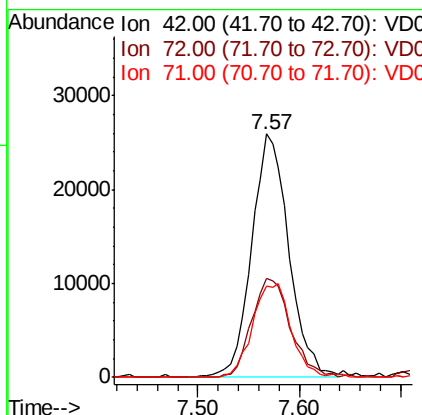
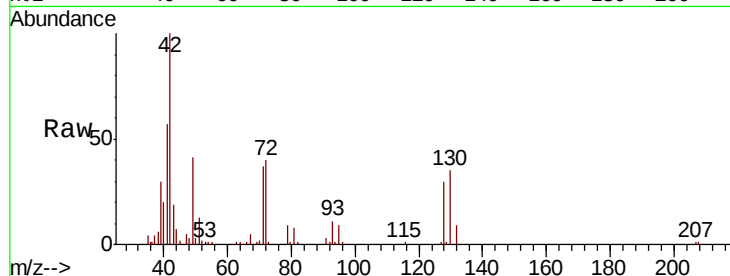
#29
Tetrahydrofuran
Concen: 108.951 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion:	42	Resp:	66352
Ion	Ratio	Lower	Upper
42	100		
72	42.6	35.0	52.4
71	39.6	32.9	49.3

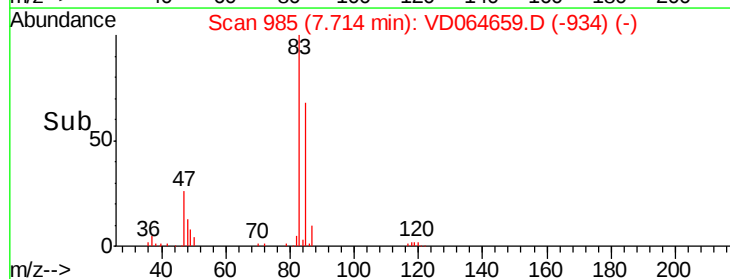
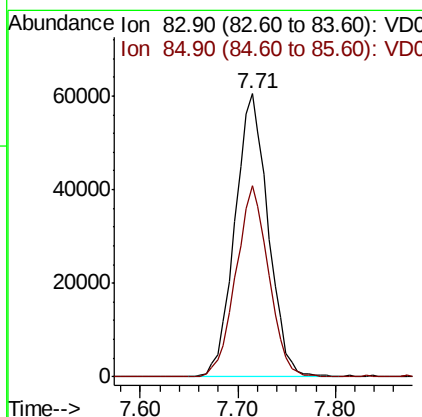
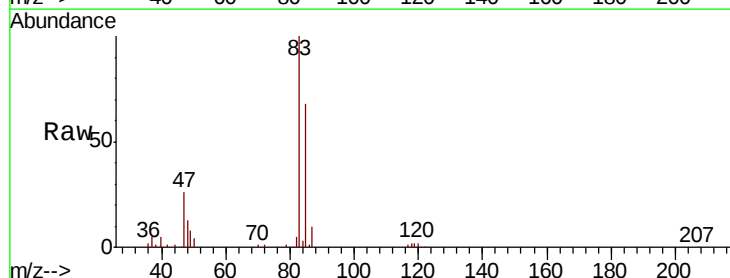
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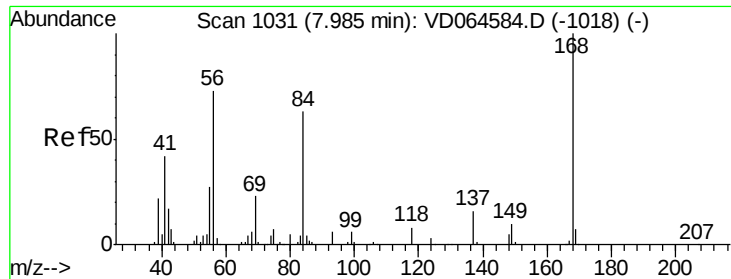
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#30
Chloroform
Concen: 20.489 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion:	83	Resp:	142658
Ion	Ratio	Lower	Upper
83	100		
85	67.6	51.1	76.7





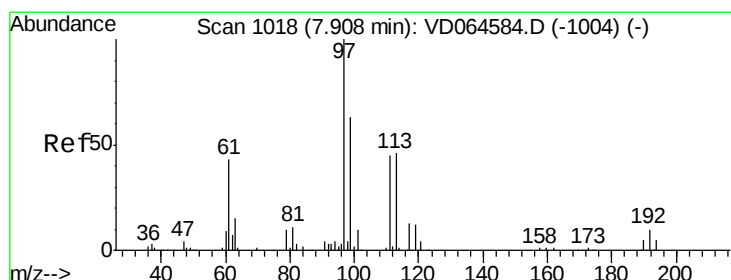
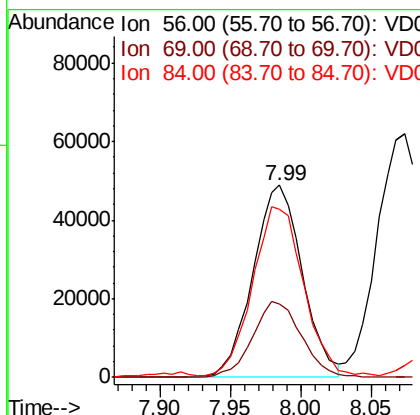
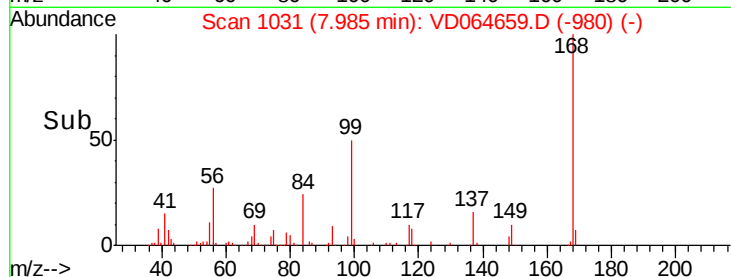
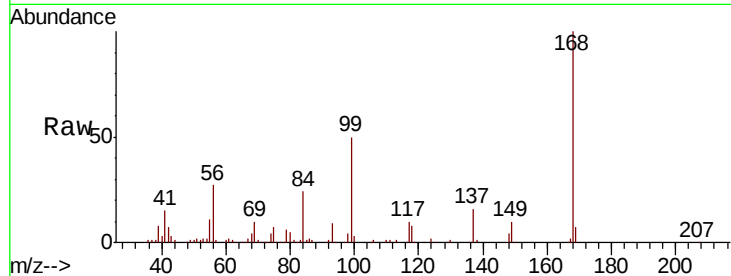
#31
Cyclohexane
Concen: 18.096 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	24.7	37.1#
84	85.9	69.4	104.2

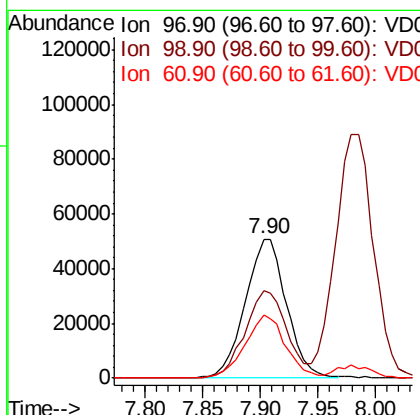
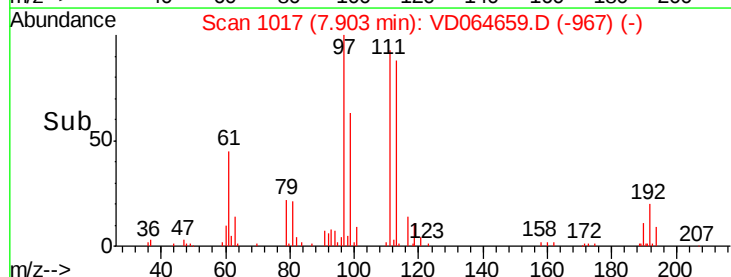
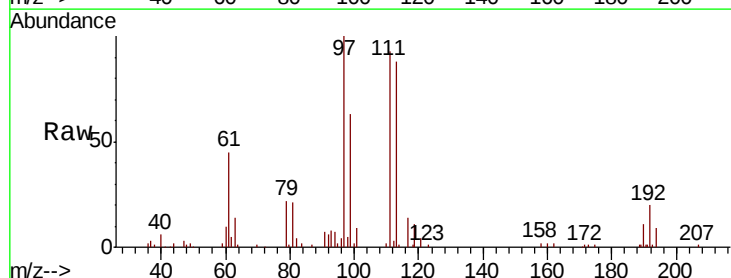
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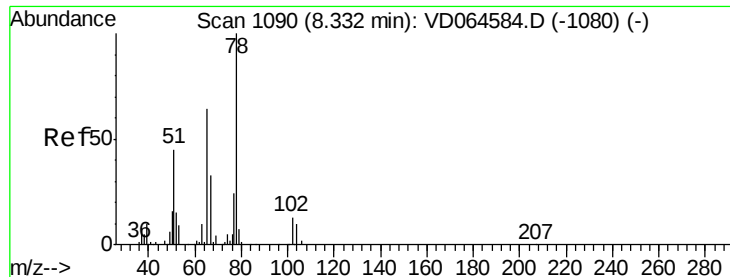
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#32
1,1,1-Trichloroethane
Concen: 19.286 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.6
61	44.6	35.4	53.0





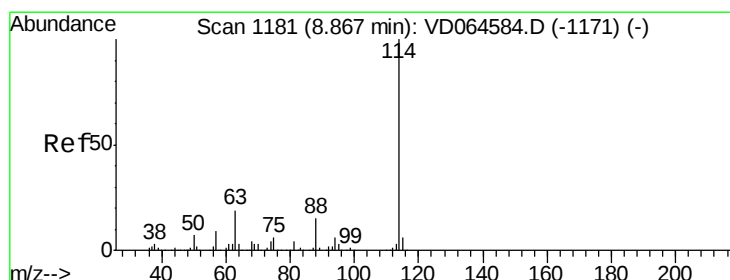
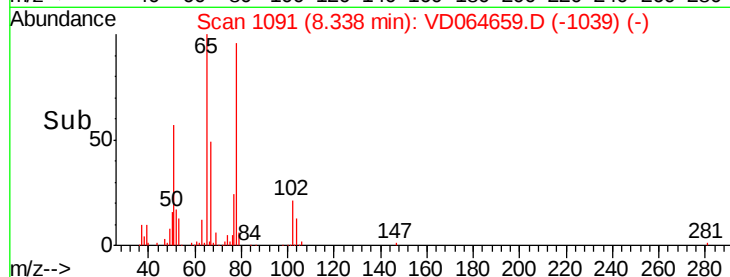
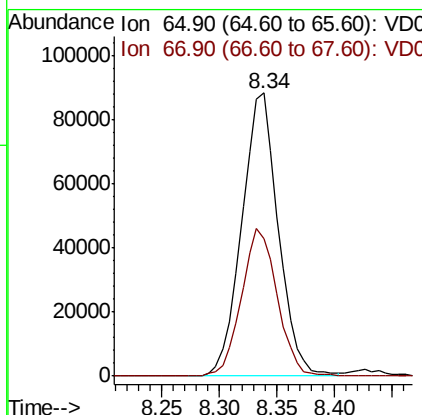
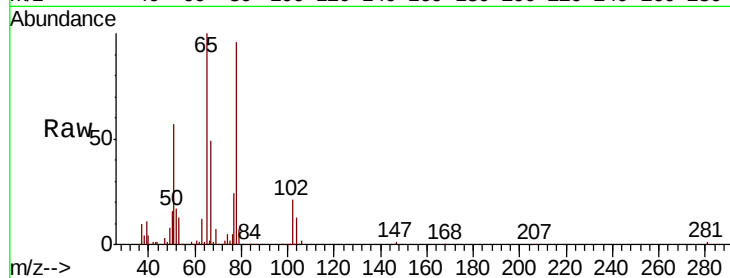
#33
 1,2-Dichloroethane-d4
 Concen: 54.502 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.2

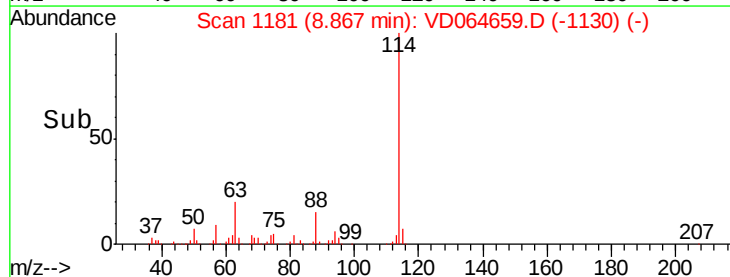
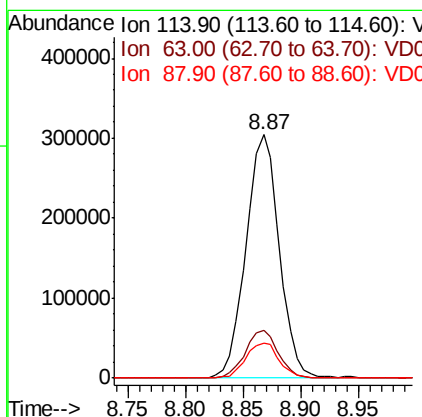
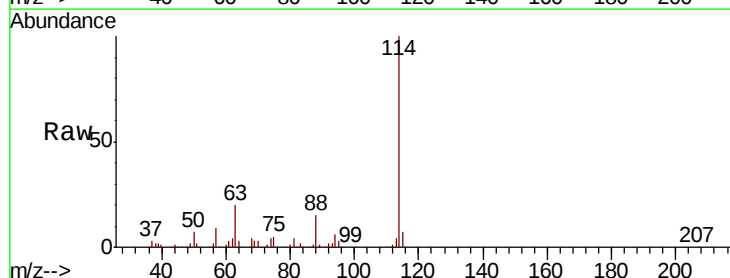
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.0
88	14.5	0.0	29.2





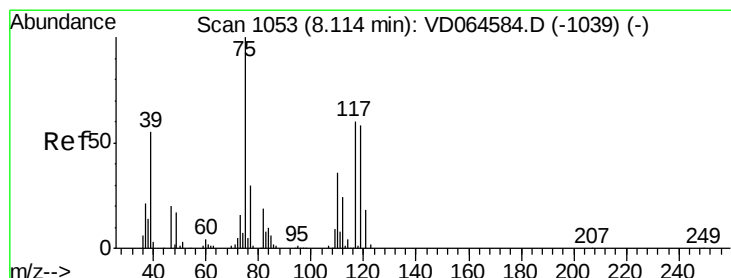
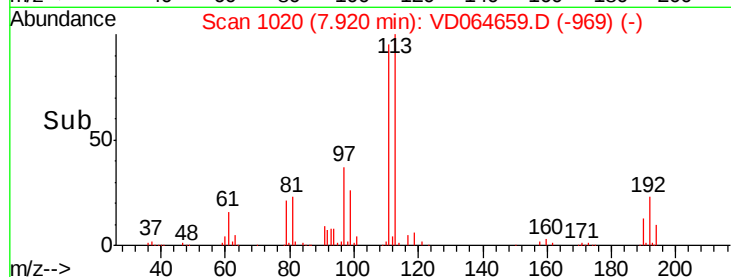
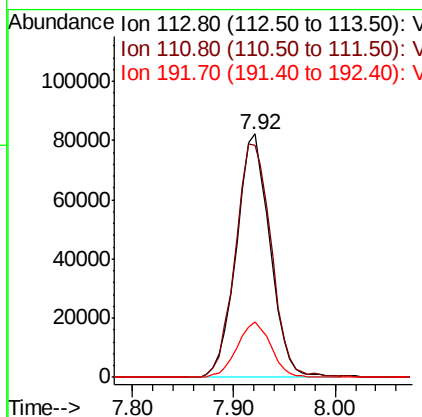
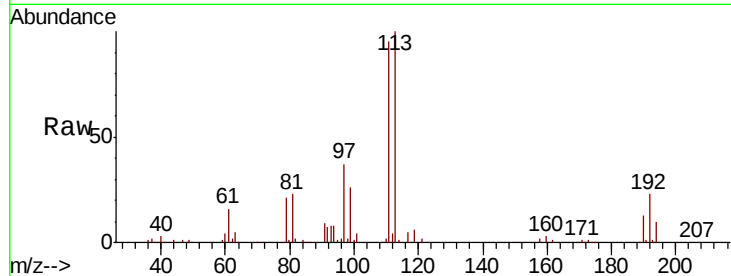
#35
 Dibromofluoromethane
 Concen: 50.455 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189465		
111	102.8	80.6	121.0	
192	22.8	17.9	26.9	

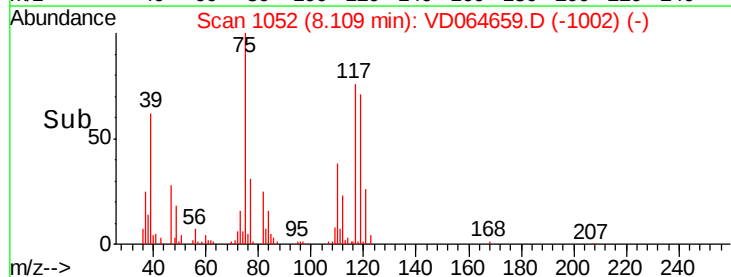
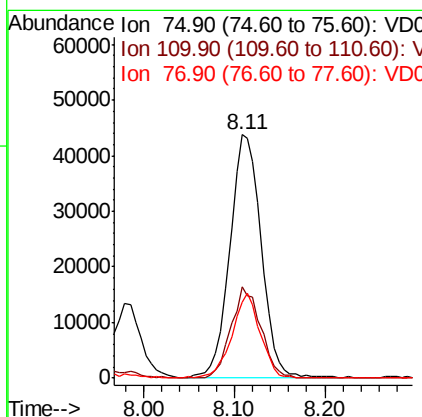
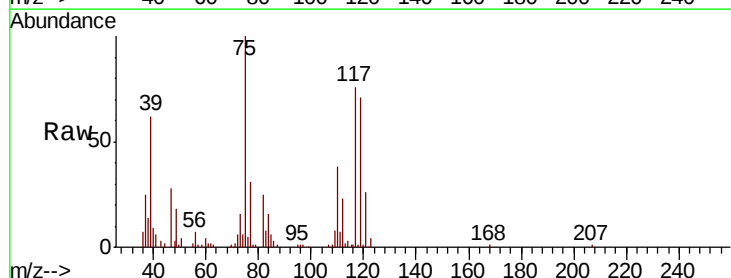
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#36
 1,1-Dichloropropene
 Concen: 17.912 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105521		
110	35.3	18.1	54.1	
77	31.5	24.2	36.4	





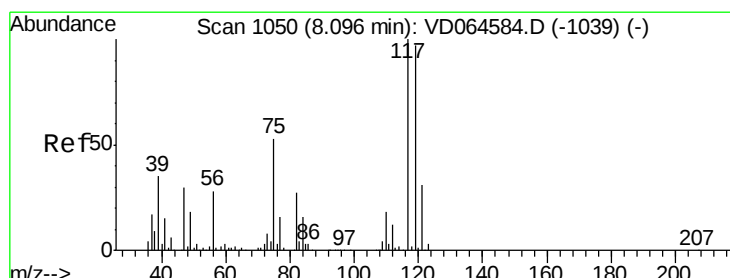
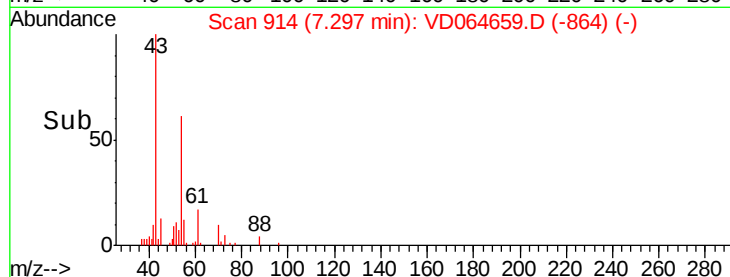
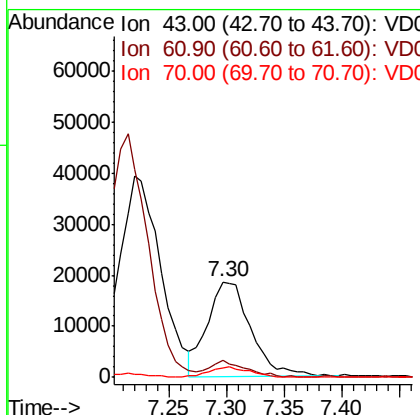
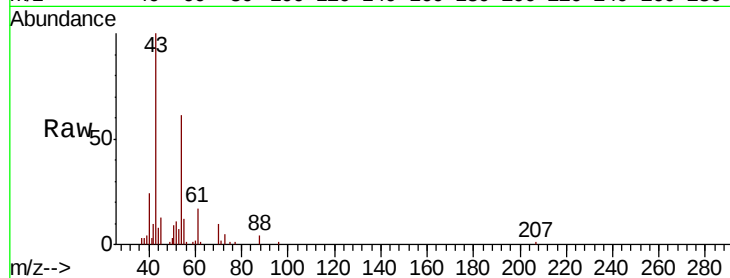
#37
Ethyl Acetate
Concen: 20.839 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.3	15.5
70	10.5	7.6	11.4

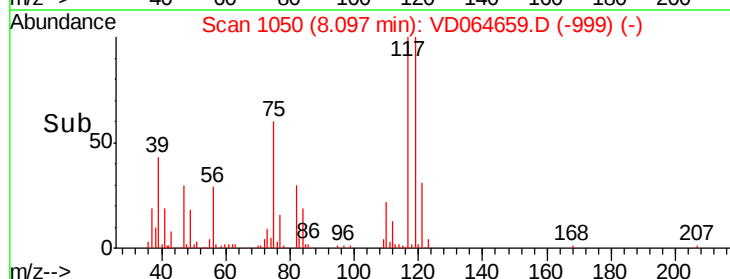
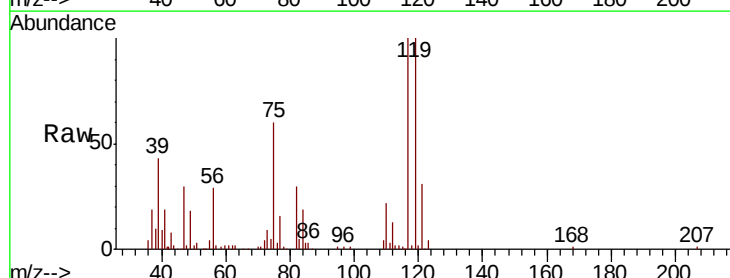
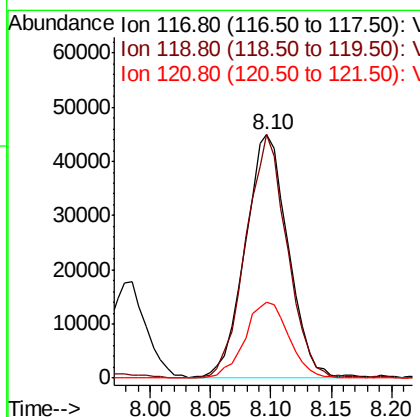
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#38
Carbon Tetrachloride
Concen: 17.456 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.6	77.3	115.9
121	31.4	25.0	37.6





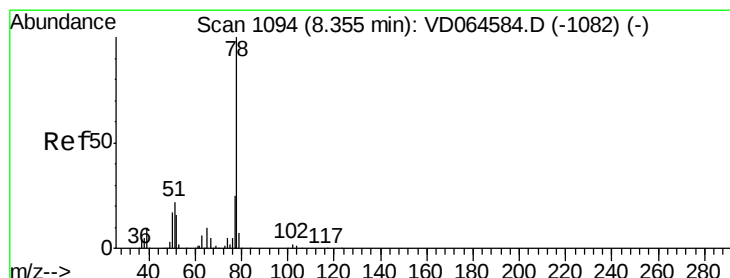
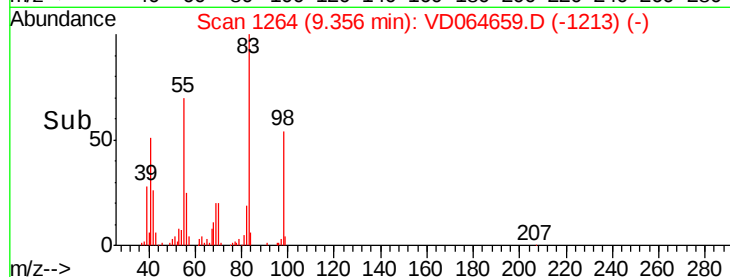
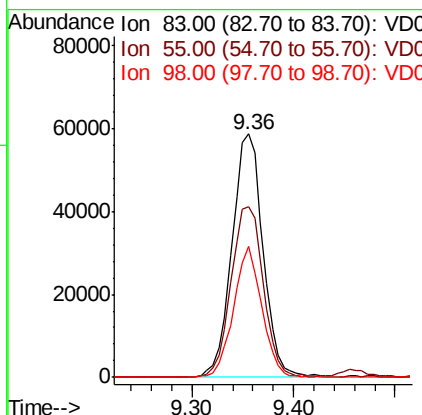
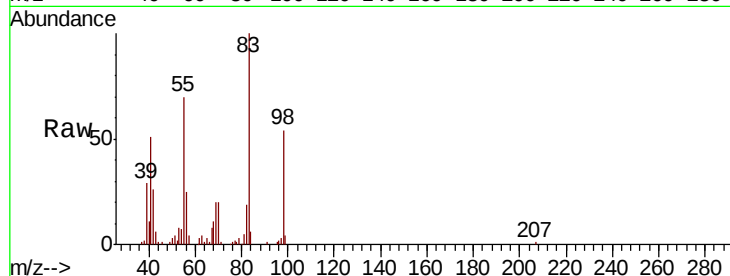
#39
Methvlcvclohexane
Concen: 17.485 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	57.8	86.6
98	54.0	38.7	58.1

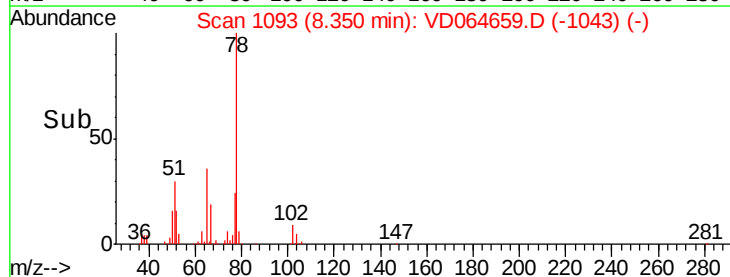
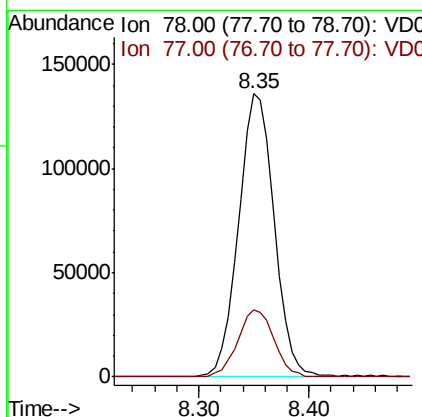
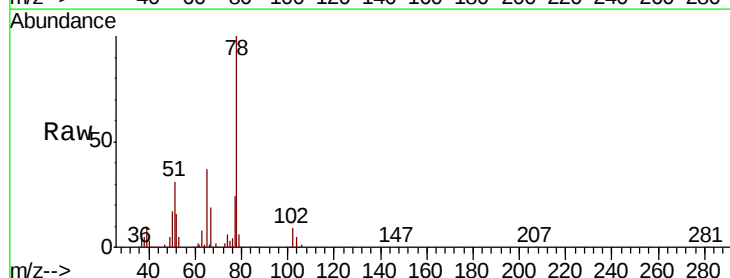
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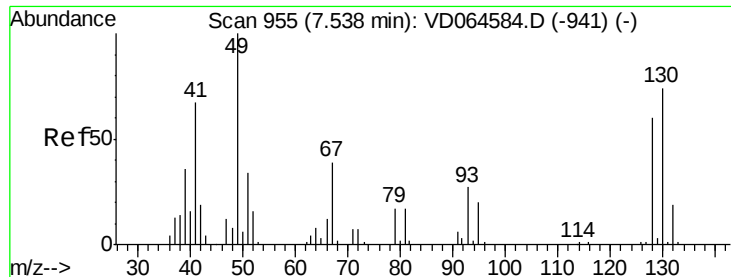
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#40
Benzene
Concen: 19.164 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.9	29.9





#41

Methacrylonitrile

Concen: 20.545 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 41 Resp: 27587

Ion Ratio Lower Upper

41 100

39 55.1 46.7 70.1

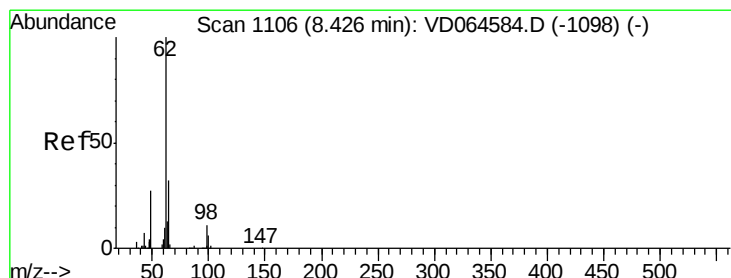
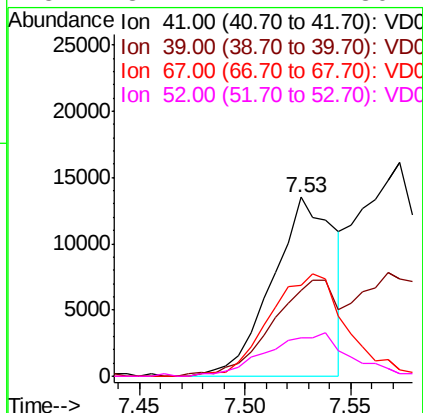
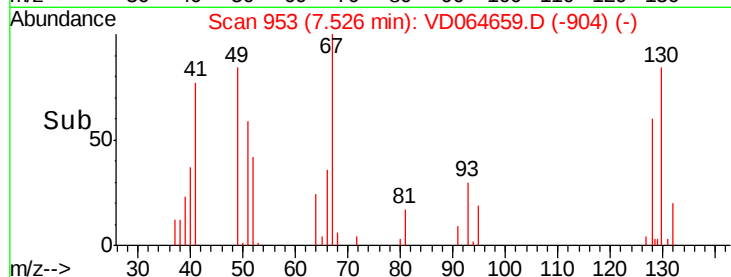
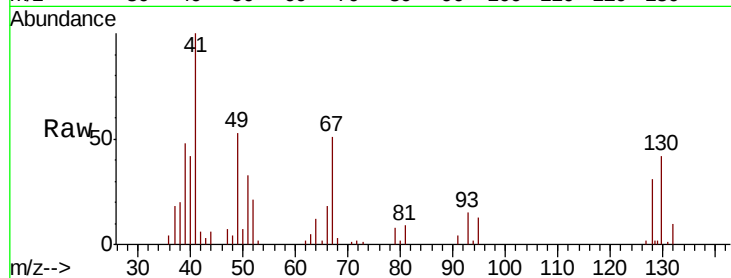
67 71.4 52.5 78.7

52 31.7 24.1 36.1

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#42

1,2-Dichloroethane

Concen: 20.607 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064659.D

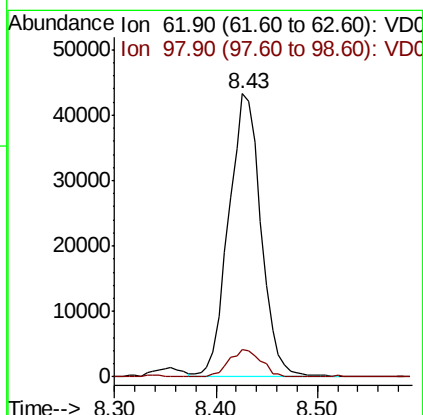
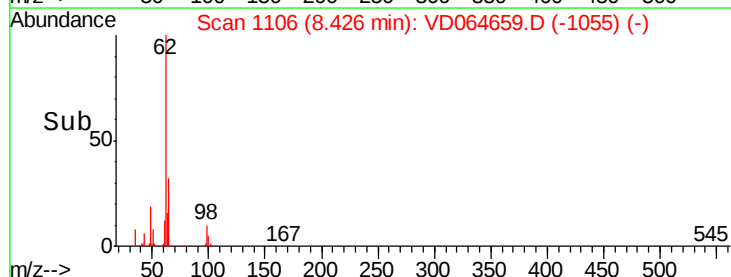
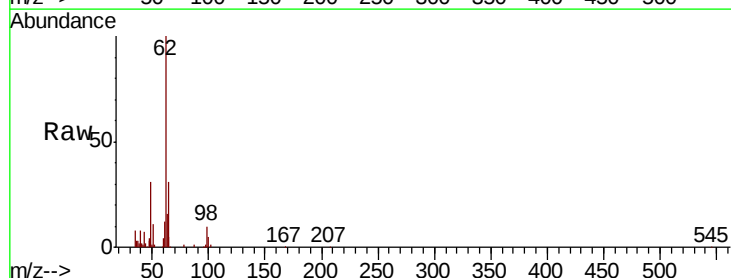
Acq: 27 Dec 2019 23:54

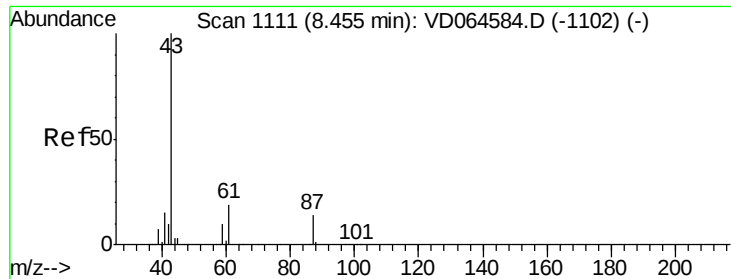
Tgt Ion: 62 Resp: 95765

Ion Ratio Lower Upper

62 100

98 9.6 0.0 20.0





#43

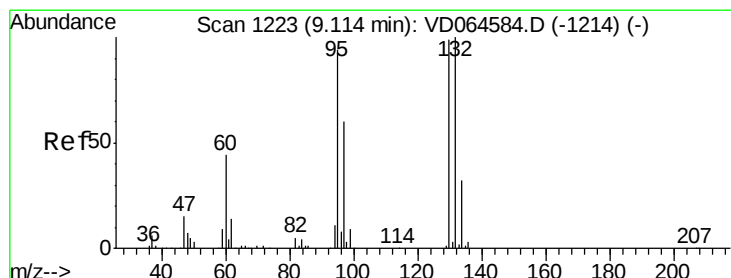
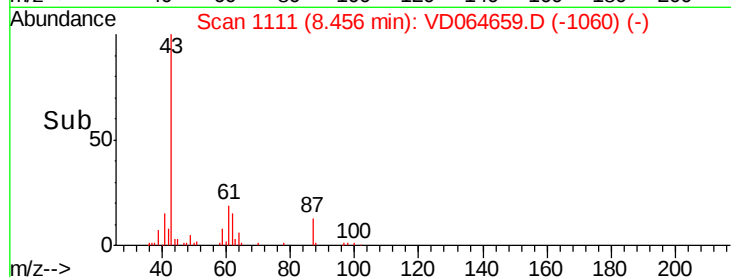
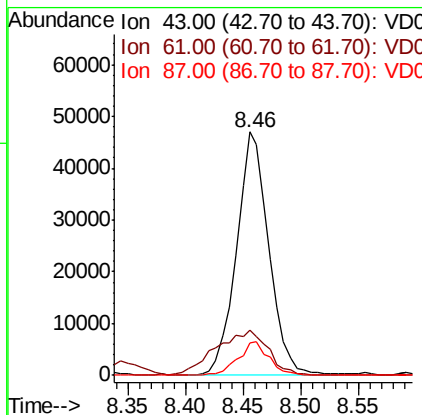
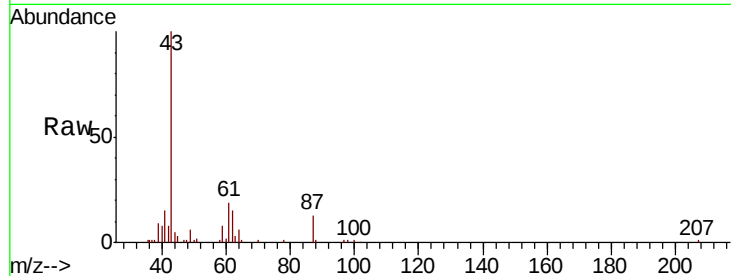
Isopropyl Acetate
 Concen: 19.860 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Tot Ion	43	Resp	91485
Ion Ratio	100	Lower	Upper
43	100		
61	29.8	23.7	35.5
87	13.1	10.5	15.7

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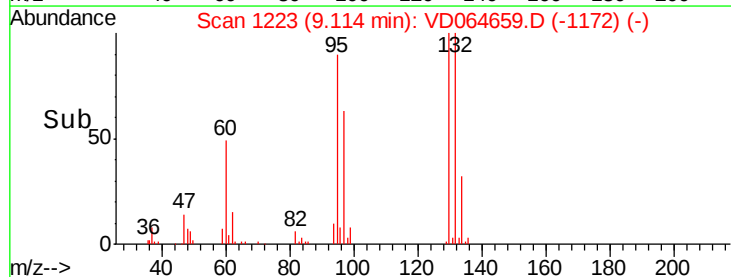
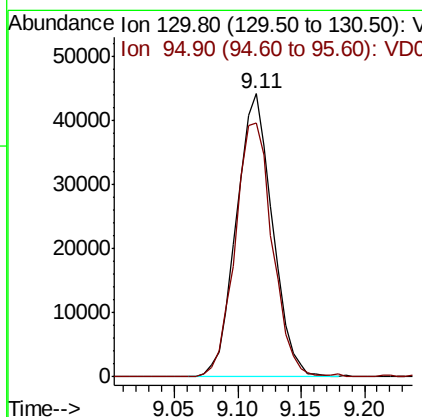
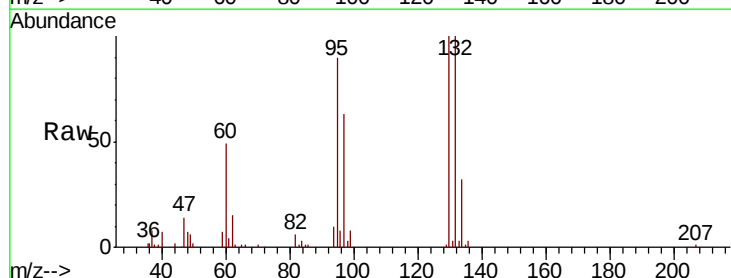
apatel
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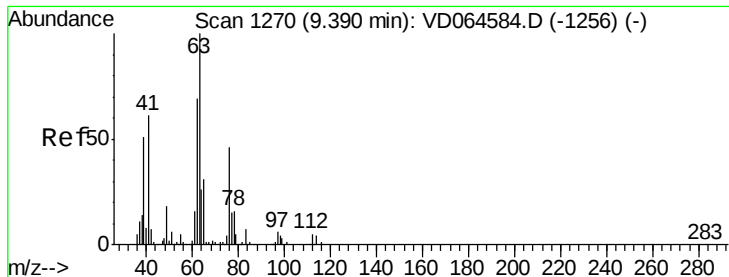


#44

Trichloroethene
 Concen: 18.458 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion	130	Resp	87201
Ion Ratio	100	Lower	Upper
130	100		
95	89.9	0.0	190.2





#45

1,2-Dichloropropane

Concen: 20.455 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 63 Resp: 78541

Ion Ratio Lower Upper

63 100

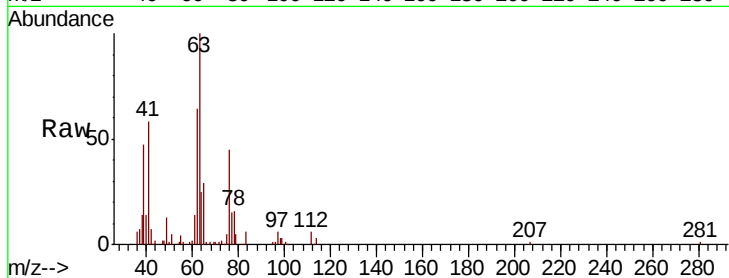
65 28.7 25.2 37.8

Manual Integrations

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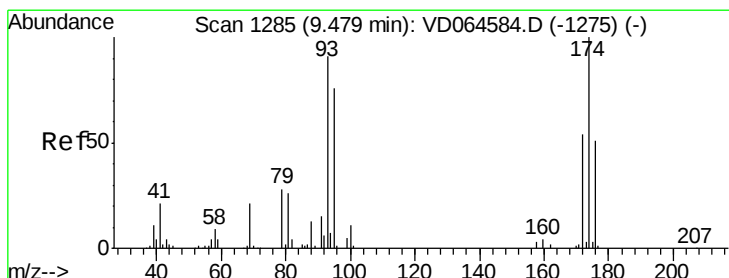
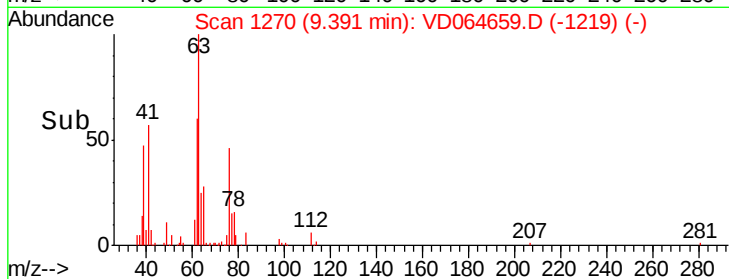
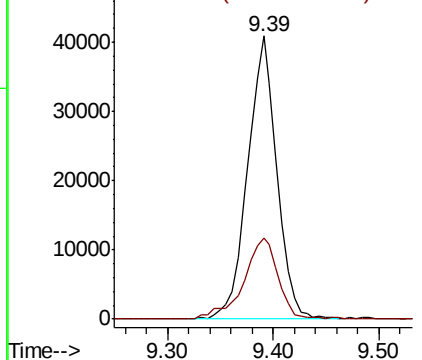
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.524 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

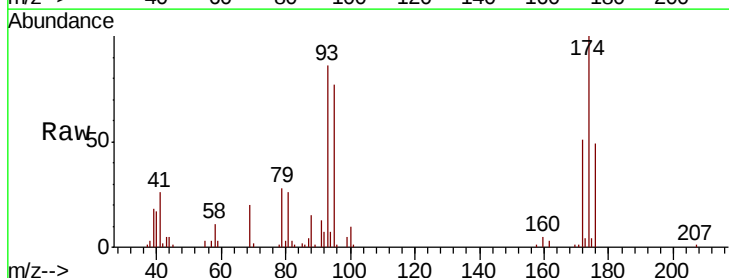
Tgt Ion: 93 Resp: 43938

Ion Ratio Lower Upper

93 100

95 82.7 64.6 97.0

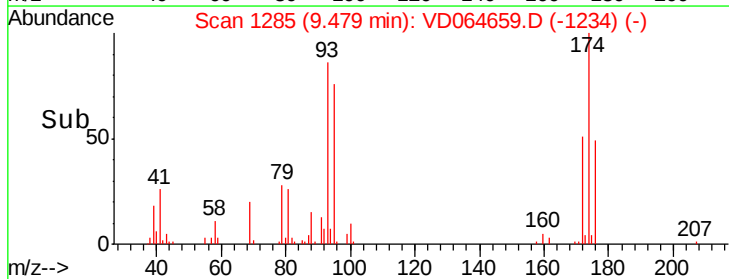
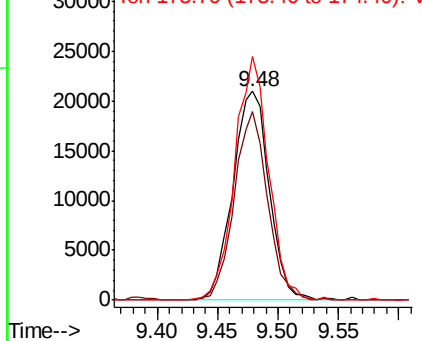
174 108.5 88.1 132.1

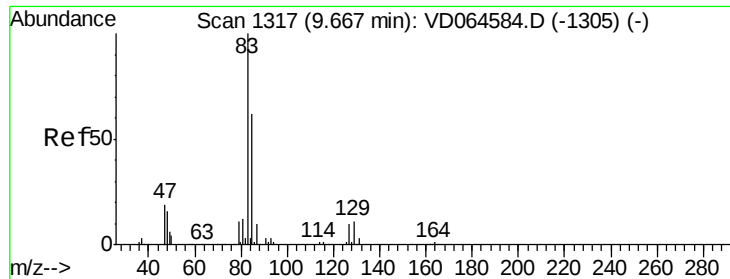


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 19.899 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

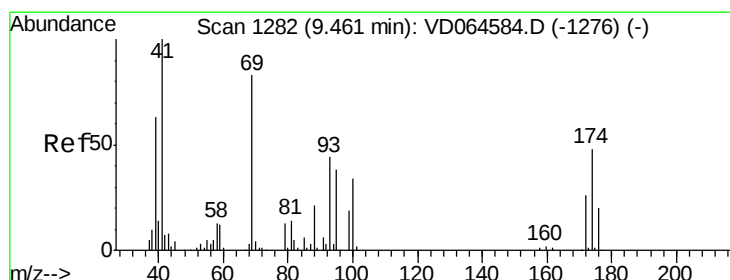
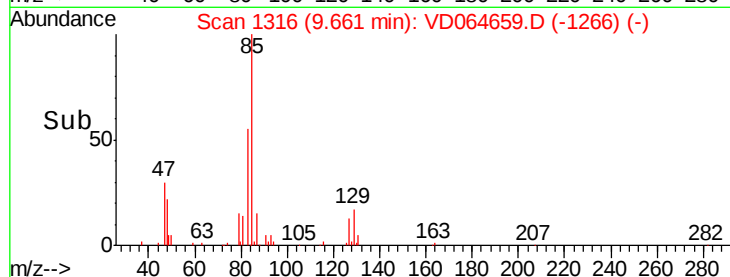
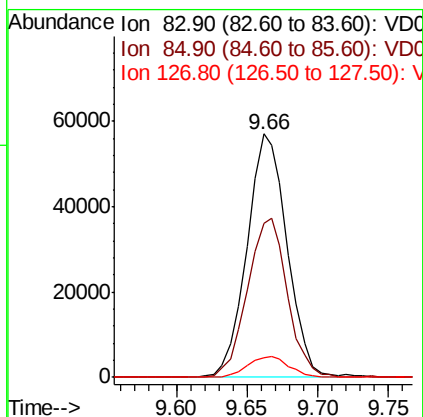
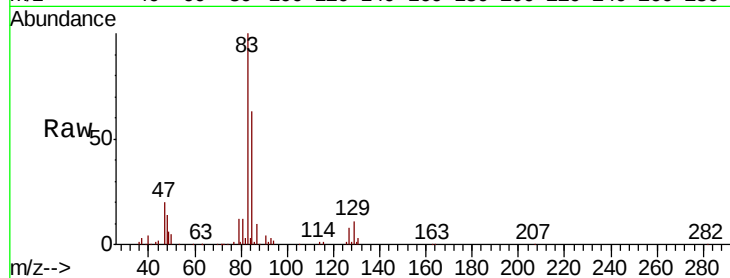
ClientSampleId :

VD1227SBS02

Tot Ion:	83	Resp:	113356
Ion Ratio	Lower	Upper	
83	100		
85	63.1	49.5	74.3
127	8.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.640 ug/l

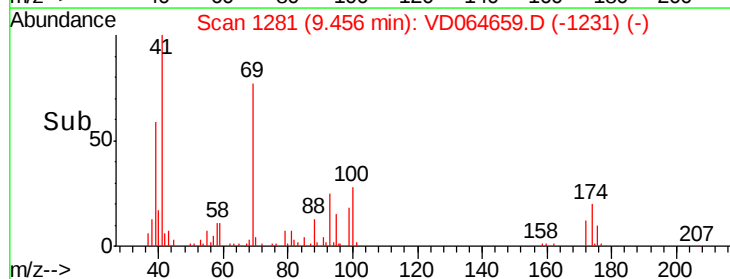
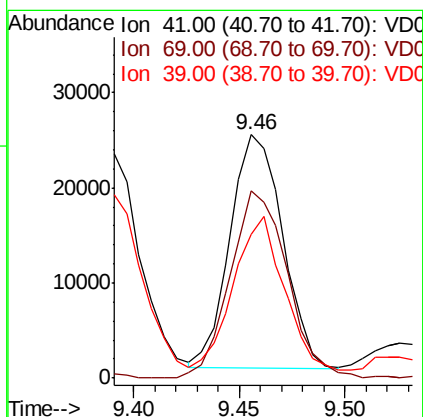
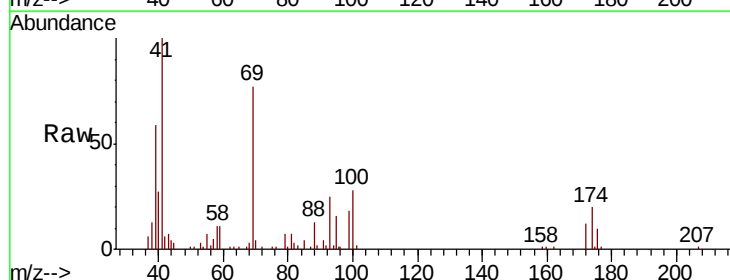
RT: 9.46 min Scan# 1281

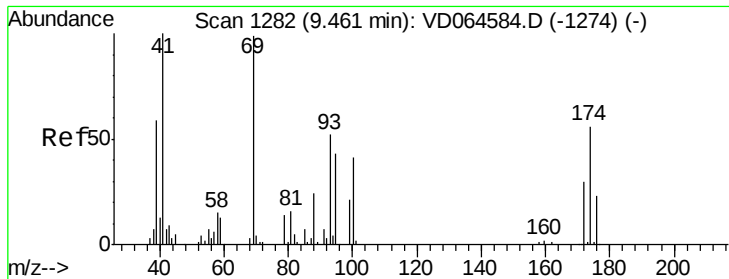
Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Tgt Ion:	41	Resp:	42598
Ion Ratio	Lower	Upper	
41	100		
69	87.1	63.0	94.6
39	70.8	47.4	71.2





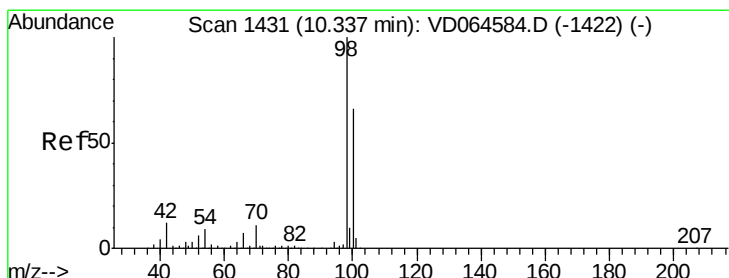
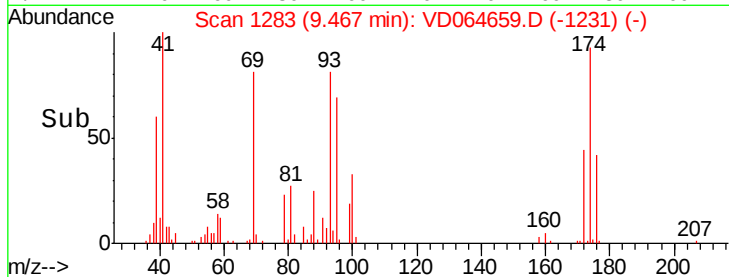
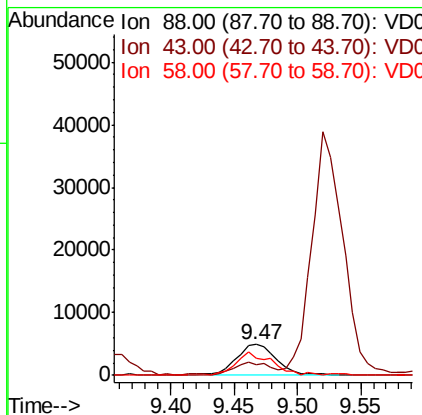
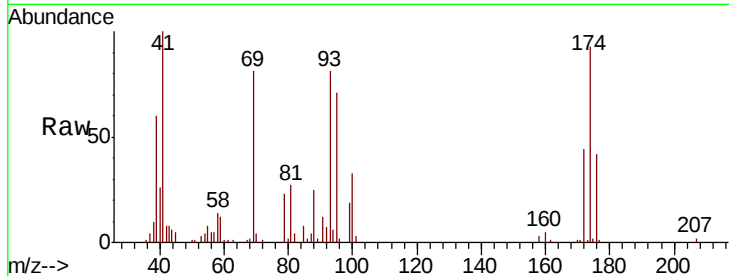
#49
1,4-Dioxane
Concen: 442.494 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	88	Resp	10923
Ion Ratio	Lower	Upper	
88	100		
43	37.5	27.7	41.5
58	65.0	53.8	80.6

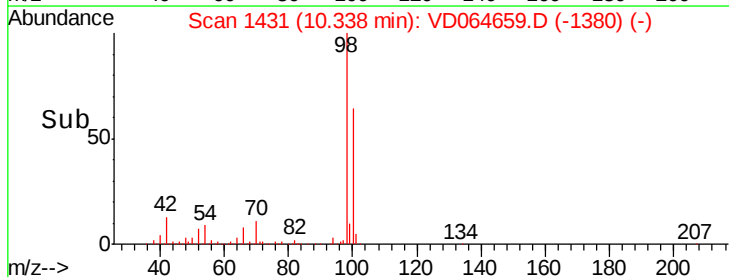
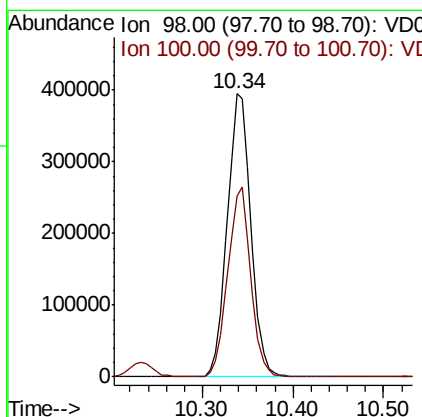
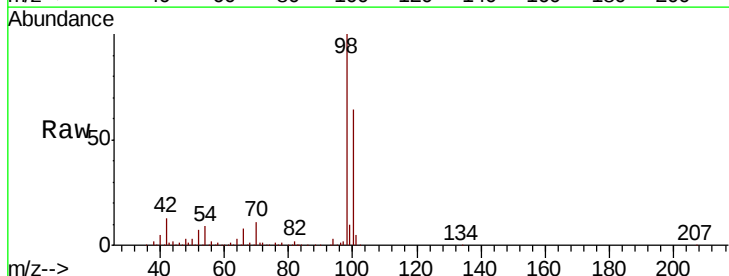
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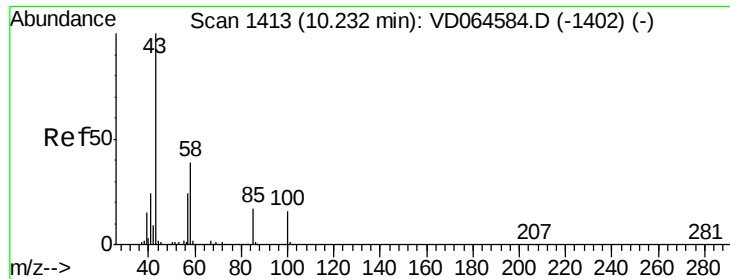
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#50
Toluene-d8
Concen: 49.779 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	98	Resp	715910
Ion Ratio	Lower	Upper	
98	100		
100	65.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 101.601 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 43 Resp: 231333

Ion Ratio Lower Upper

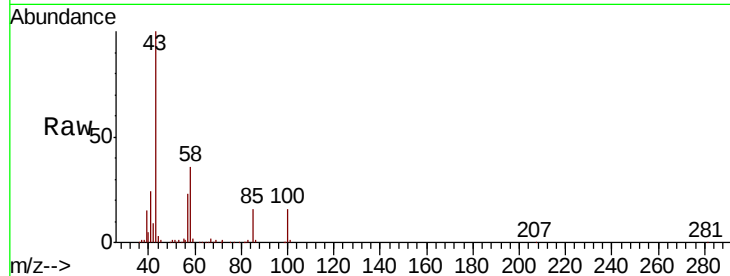
43 100

58 38.1 30.2 45.2

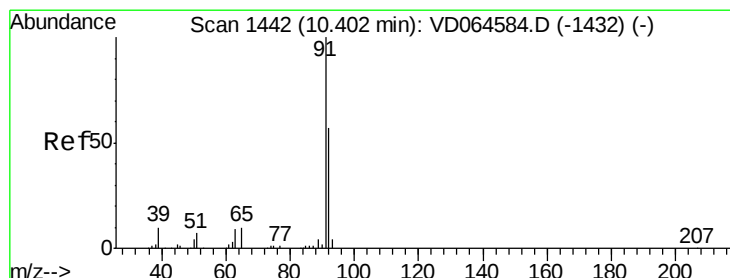
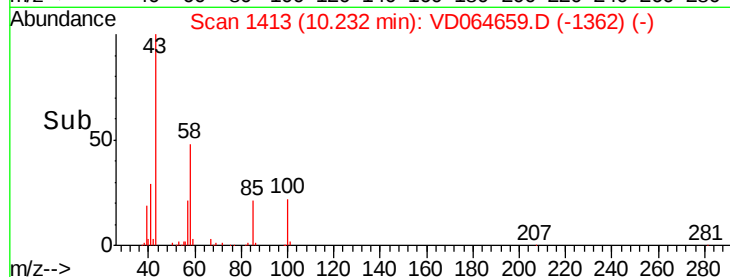
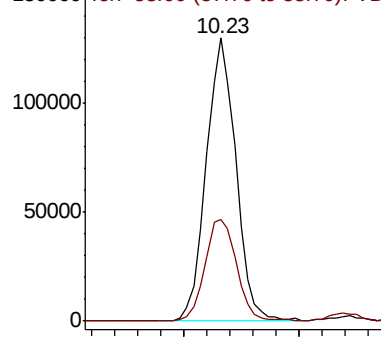
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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.141 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064659.D

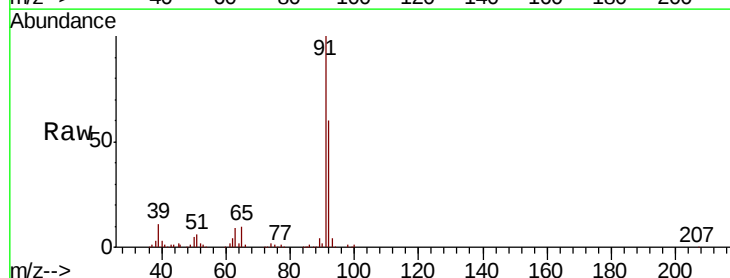
Acq: 27 Dec 2019 23:54

Tgt Ion: 92 Resp: 201959

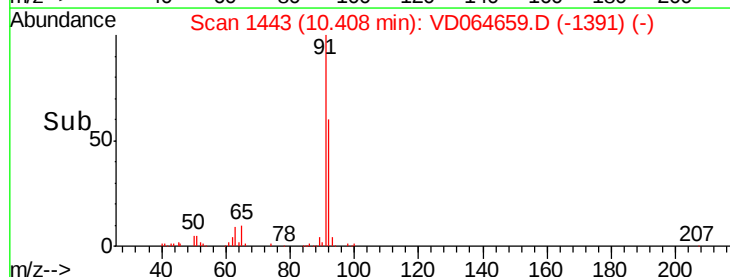
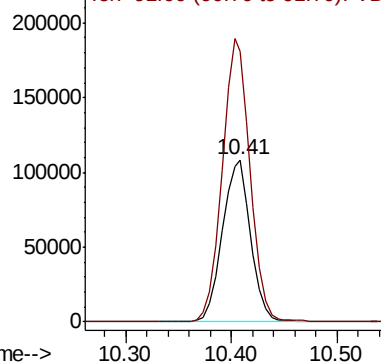
Ion Ratio Lower Upper

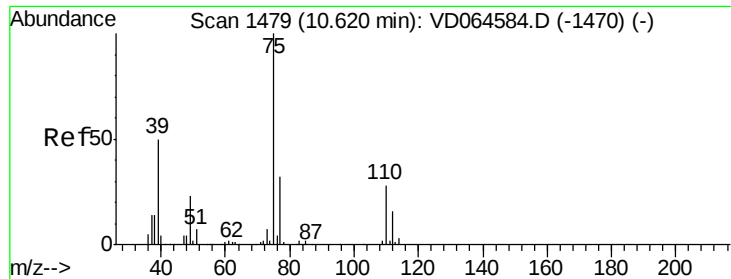
92 100

91 171.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





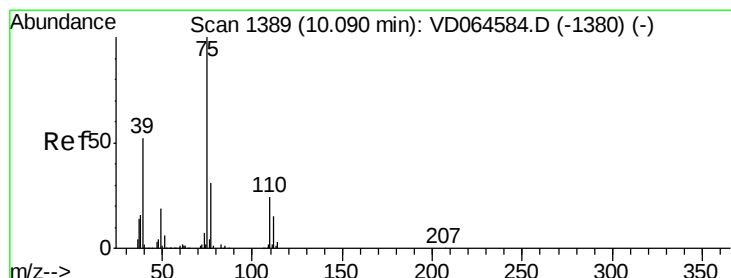
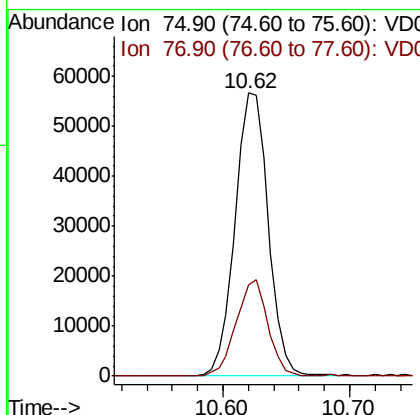
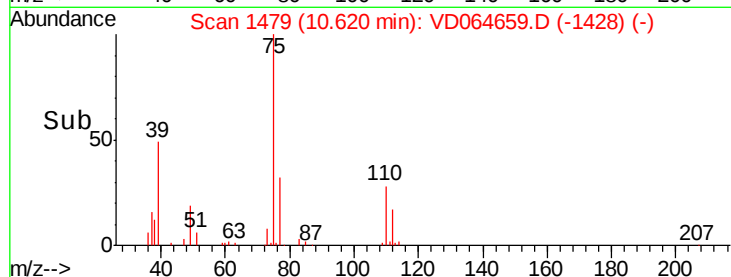
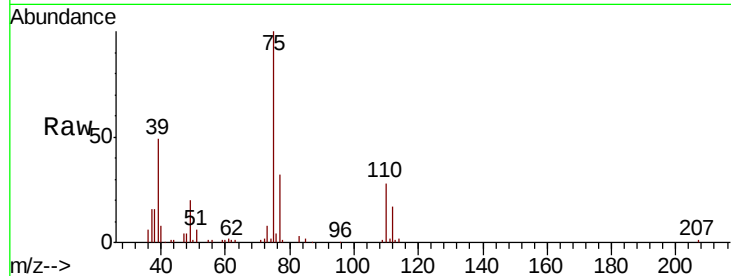
#53
t-1,3-Dichloropropene
Concen: 19.370 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion: 75 Resp: 102878
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

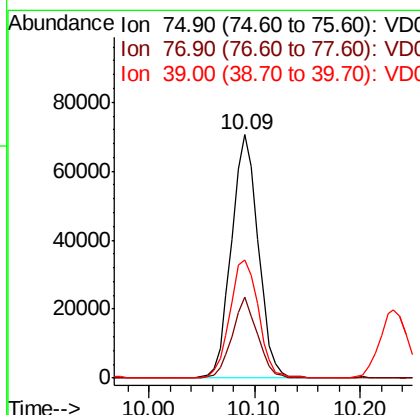
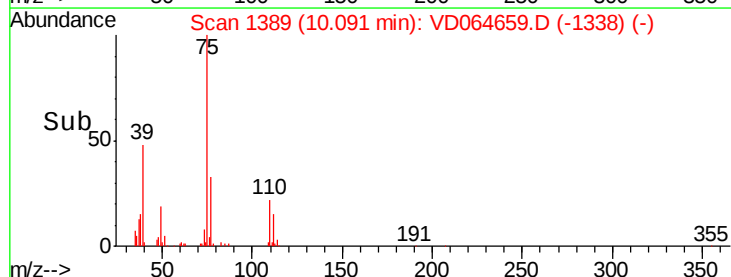
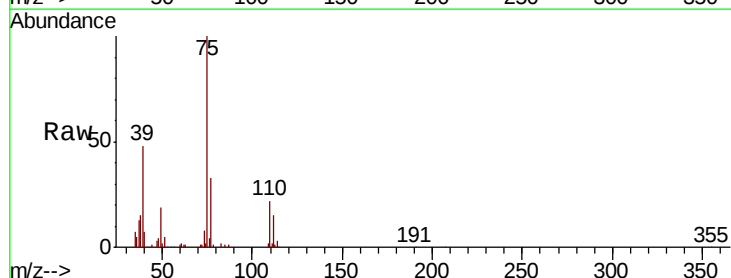
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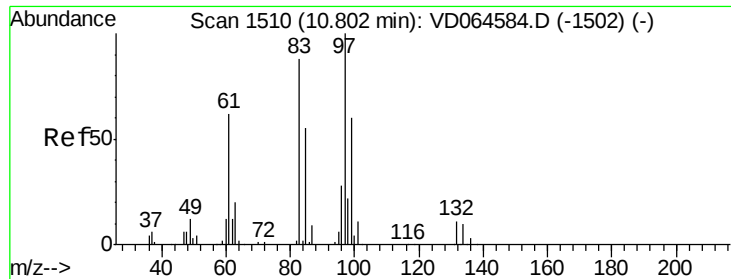
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#54
cis-1,3-Dichloropropene
Concen: 19.764 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 75 Resp: 123772
Ion Ratio Lower Upper
75 100
77 33.1 24.6 36.8
39 48.5 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 20.248 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 97 Resp: 58418

Ion Ratio Lower Upper

97 100

83 78.5 70.2 105.4

85 61.9 44.0 66.0

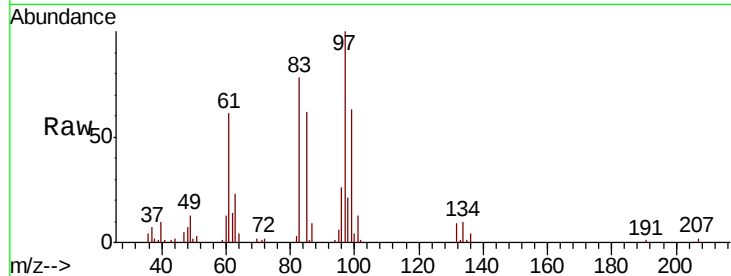
99 63.3 47.8 71.6

Manual Integrations

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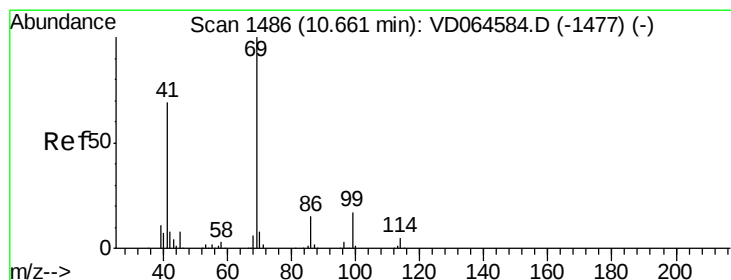
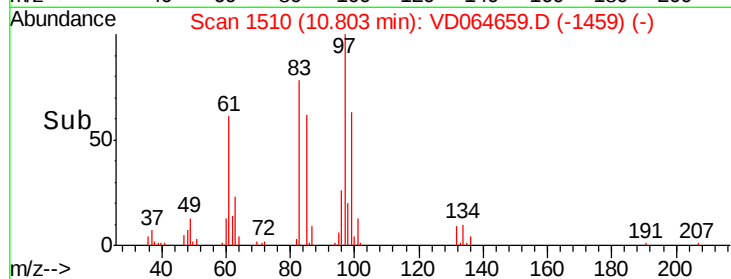
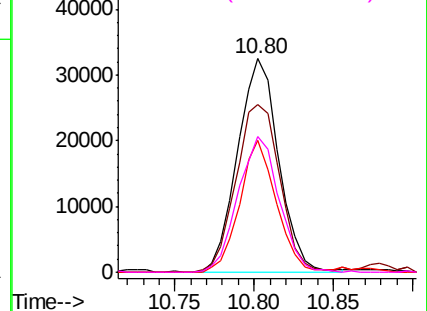
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.639 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

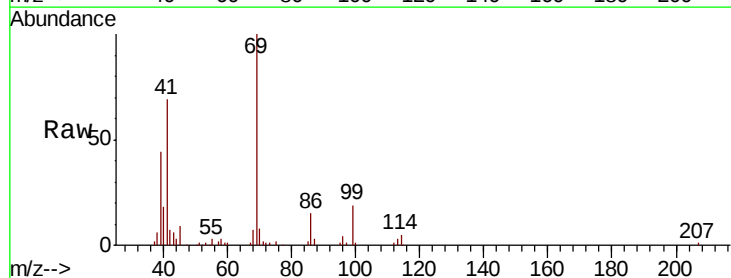
Tgt Ion: 69 Resp: 70764

Ion Ratio Lower Upper

69 100

41 73.8 55.3 82.9

39 44.3 33.8 50.8

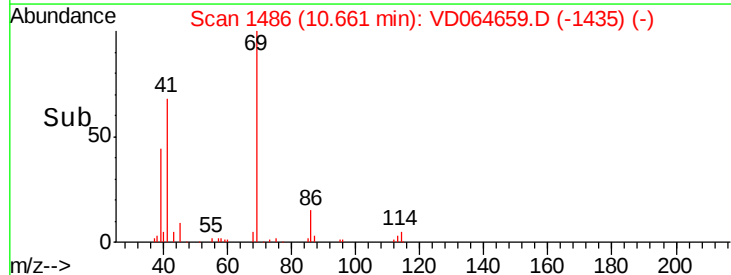
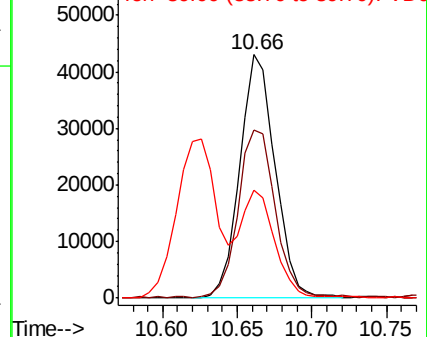


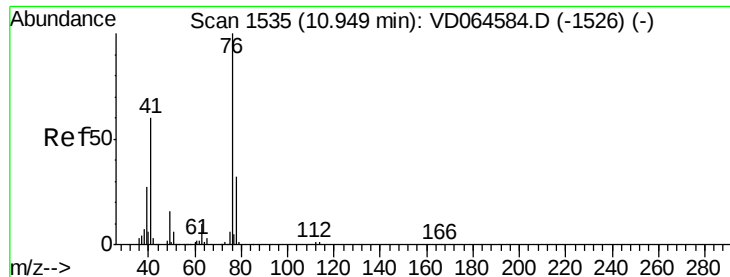
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 20.580 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 76 Resp: 102232

Ion Ratio Lower Upper

76 100

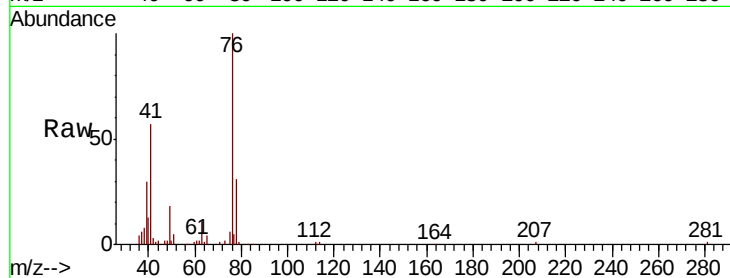
78 32.9 26.2 39.4

Manual Integrations

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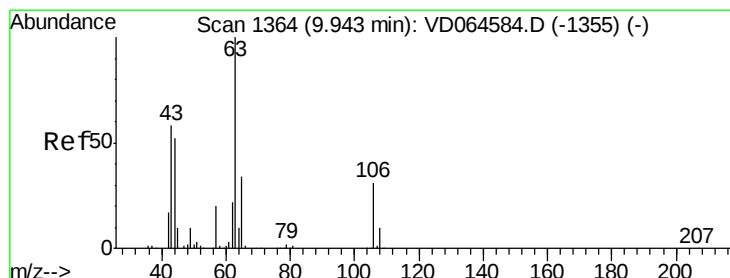
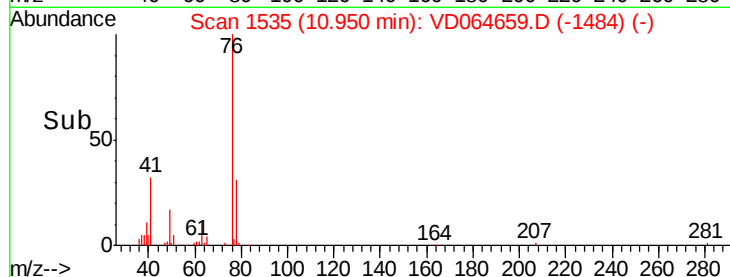
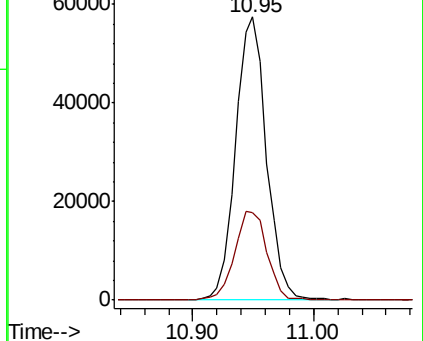
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 105.887 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064659.D

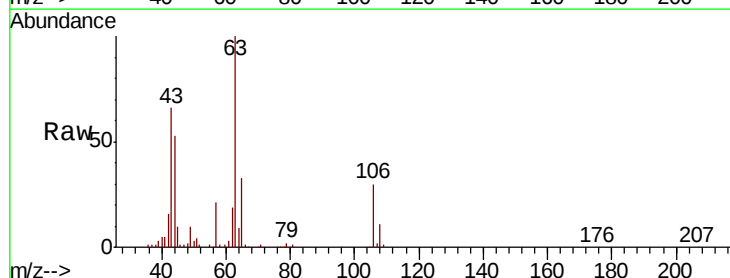
Acq: 27 Dec 2019 23:54

Tgt Ion: 63 Resp: 145358

Ion Ratio Lower Upper

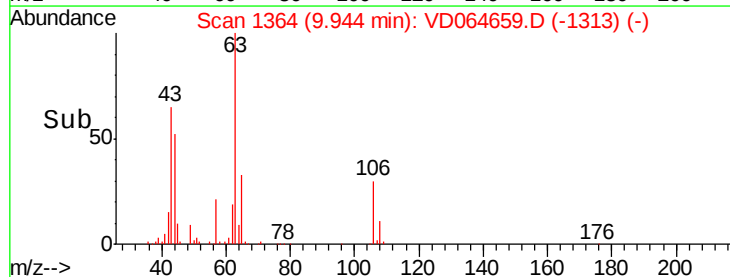
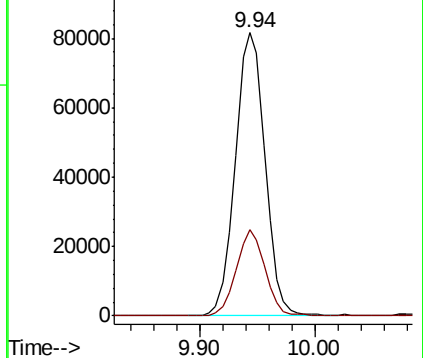
63 100

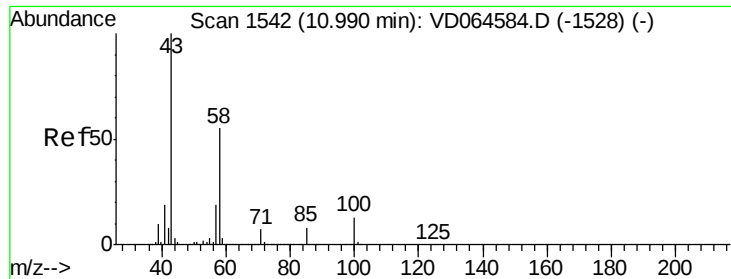
106 29.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





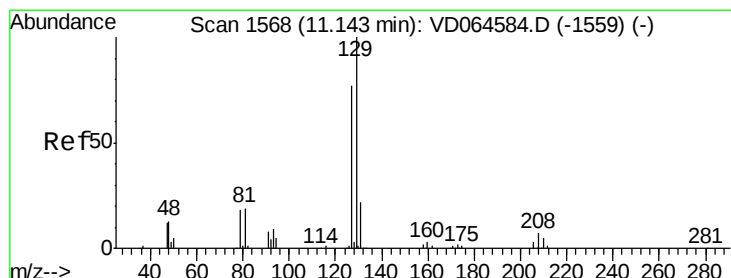
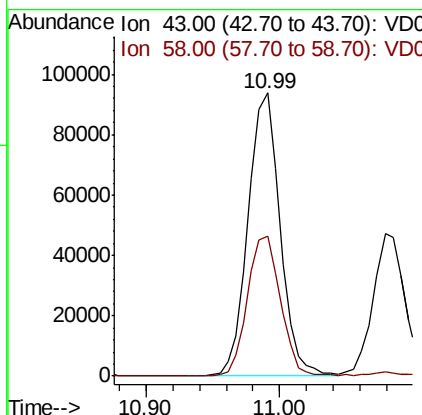
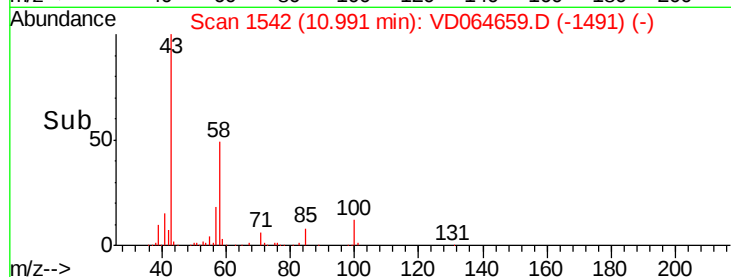
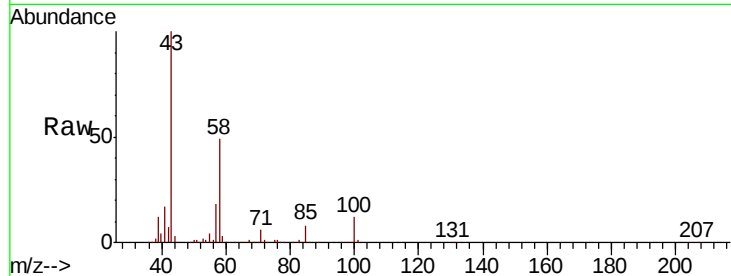
#59
2-Hexanone
Concen: 100.574 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion: 43 Resp: 155424
Ion Ratio Lower Upper
43 100
58 51.2 26.4 79.0

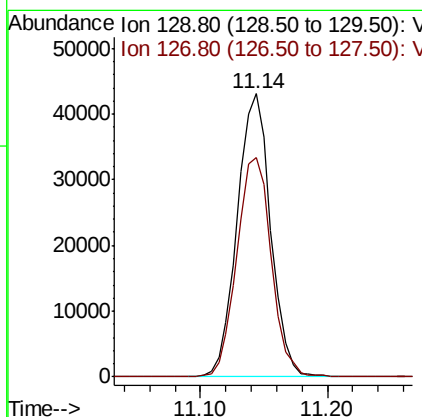
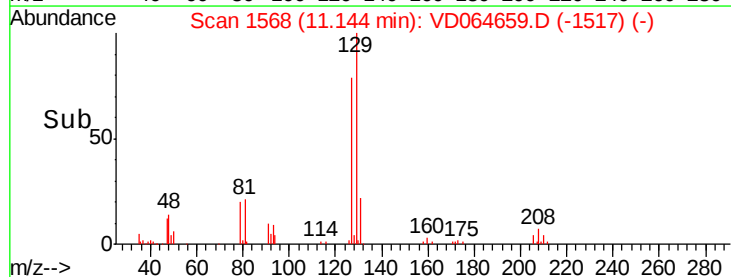
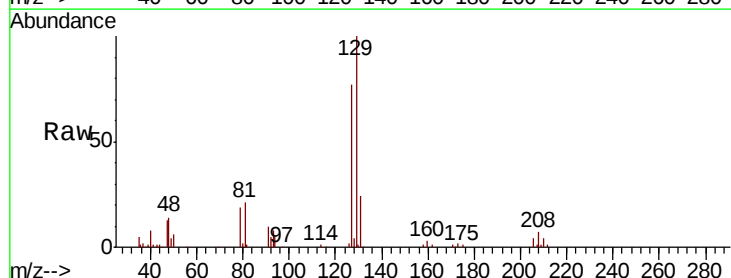
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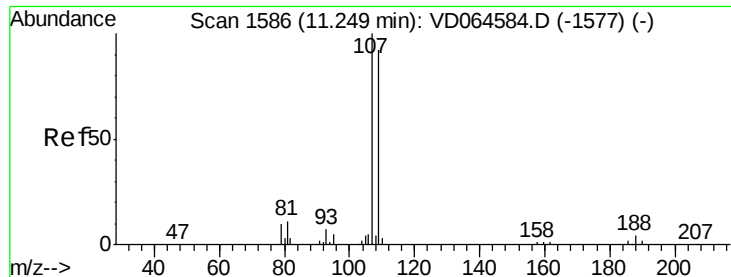
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#60
Dibromochloromethane
Concen: 19.745 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 129 Resp: 78777
Ion Ratio Lower Upper
129 100
127 79.9 38.4 115.2





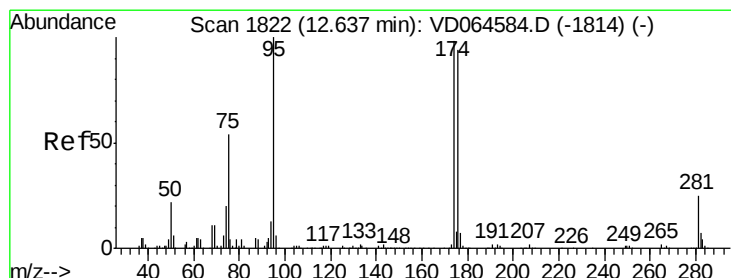
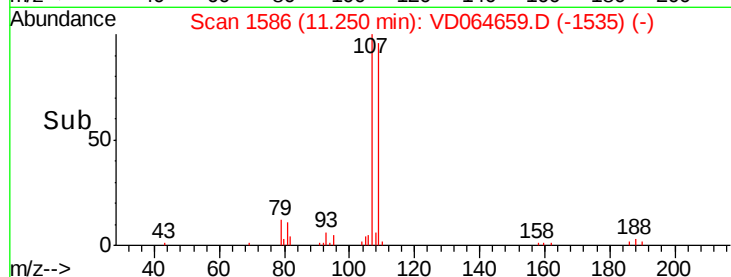
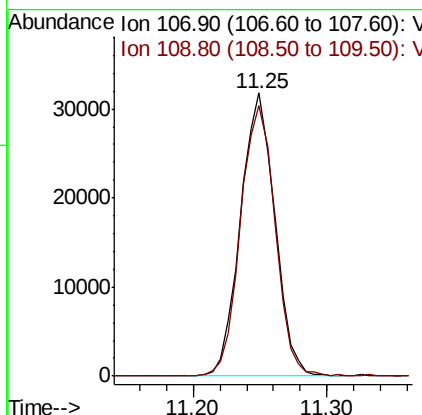
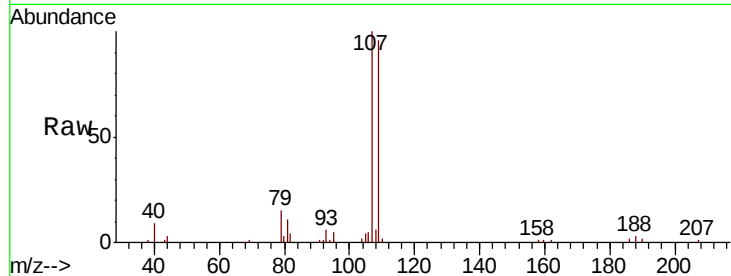
#61
 1,2-Dibromoethane
 Concen: 19.851 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.6	113.4

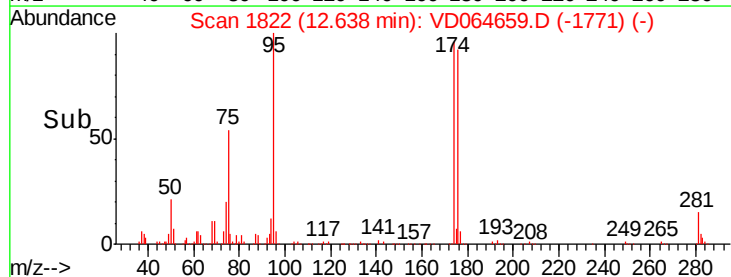
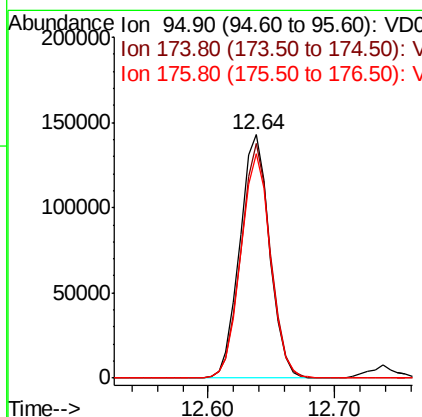
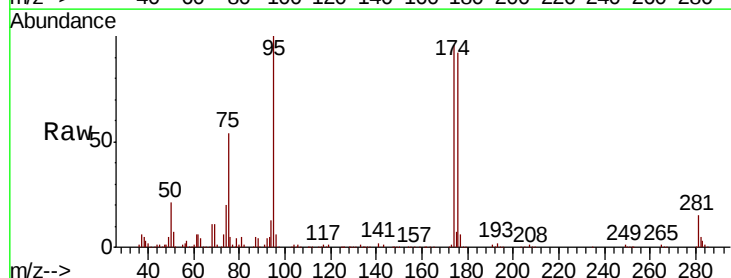
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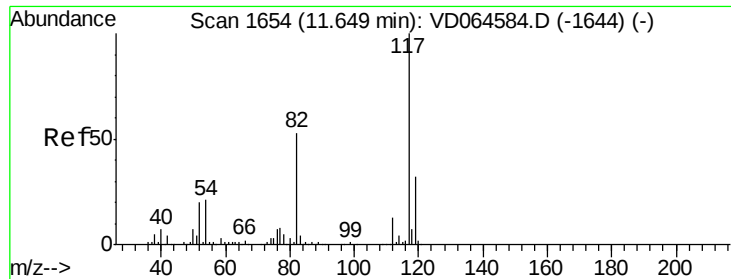
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#62
 4-Bromofluorobenzene
 Concen: 51.346 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	193.2
176	91.9	0.0	184.2





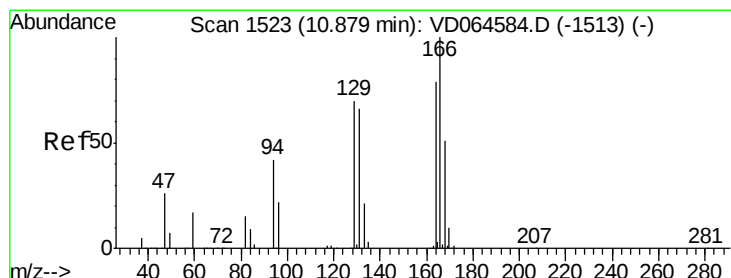
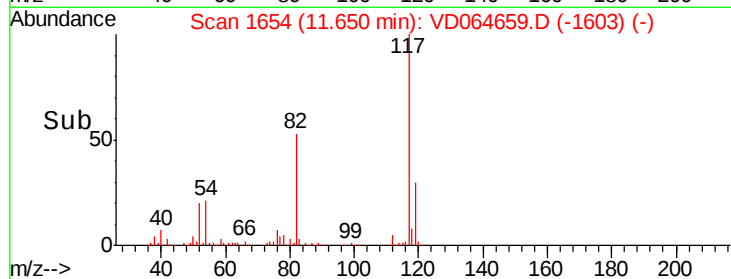
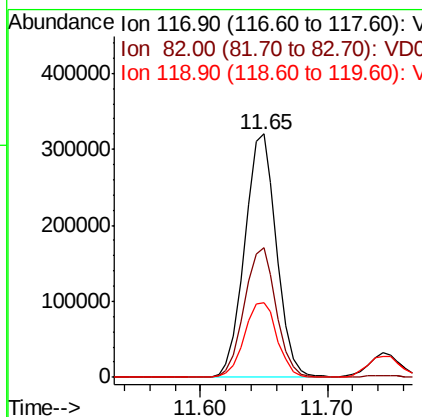
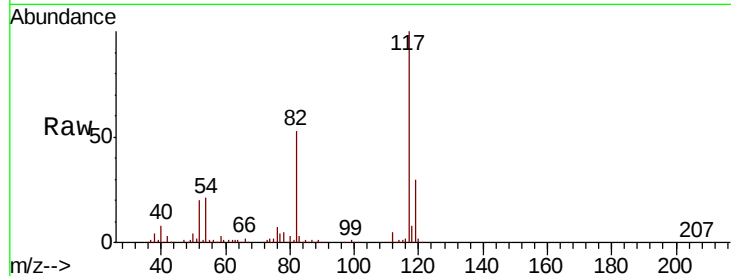
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.2	63.4
119	30.5	26.0	39.0

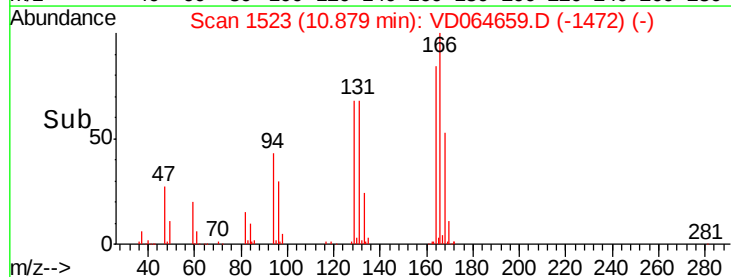
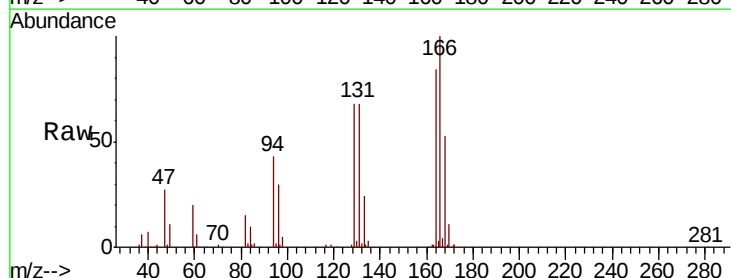
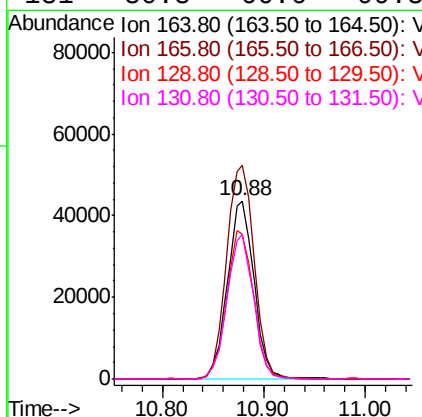
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#64
Tetrachloroethene
Concen: 18.471 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.7	101.3	151.9
129	81.1	70.5	105.7
131	80.8	66.6	99.8





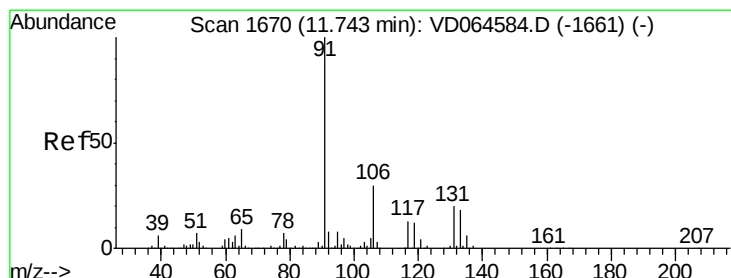
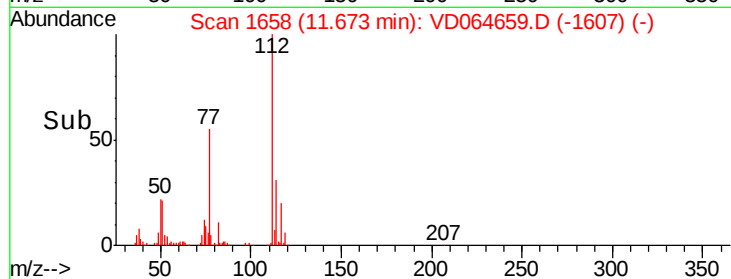
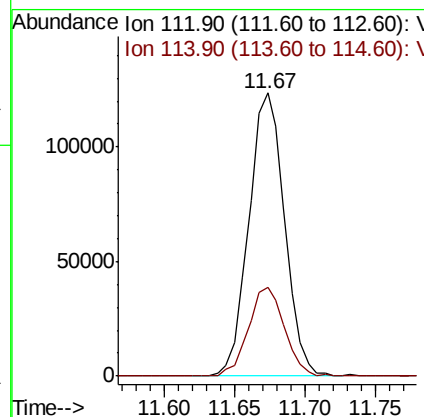
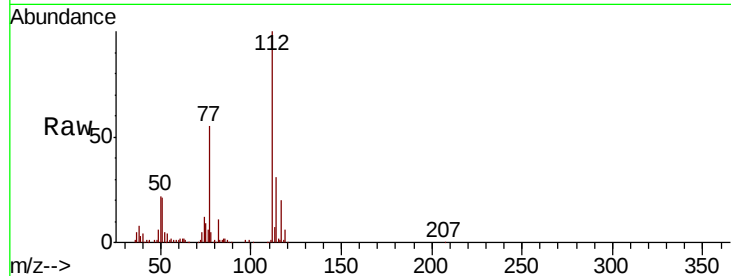
#65
Chlorobenzene
Concen: 18.916 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	219019		
114	31.4	24.8	37.2	

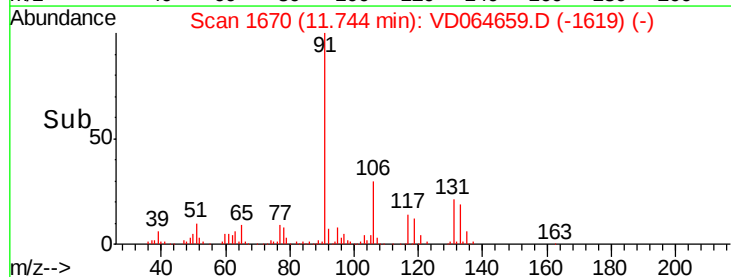
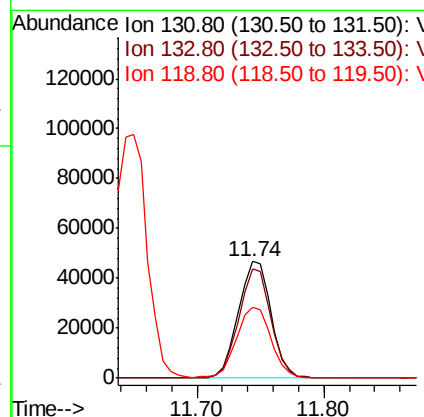
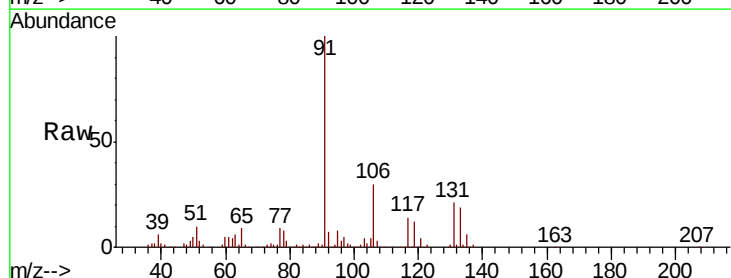
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.146 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	83570		
133	92.1	48.3	144.8	
119	63.8	32.1	96.3	





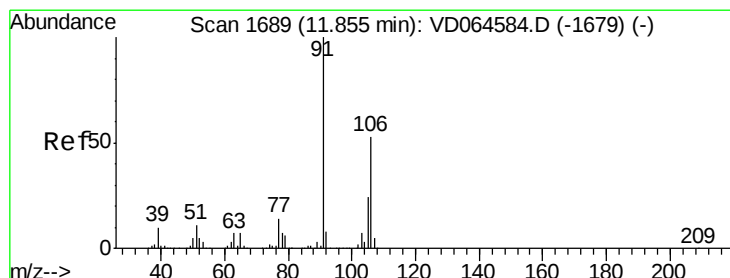
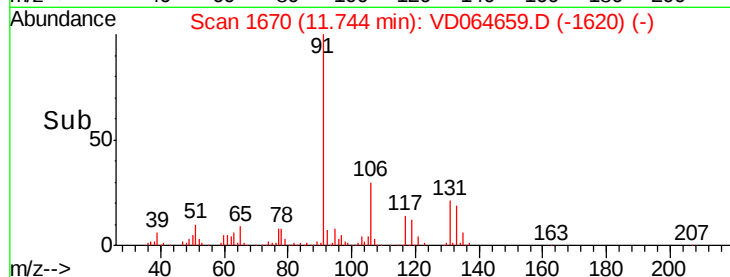
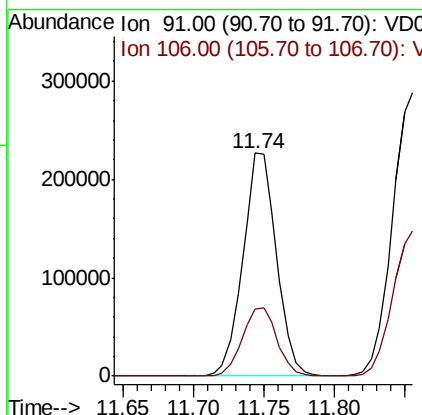
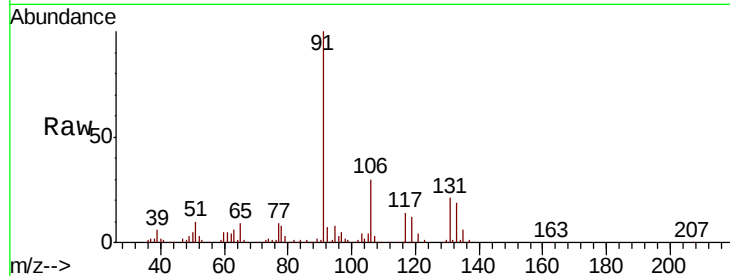
#67
Ethyl Benzene
Concen: 17.942 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion: 91 Resp: 377062
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8

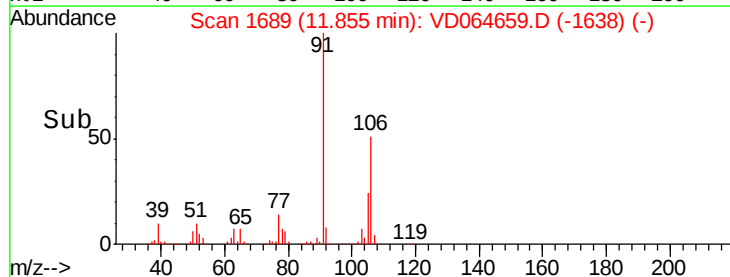
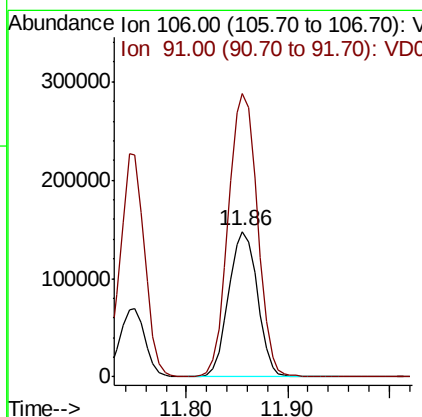
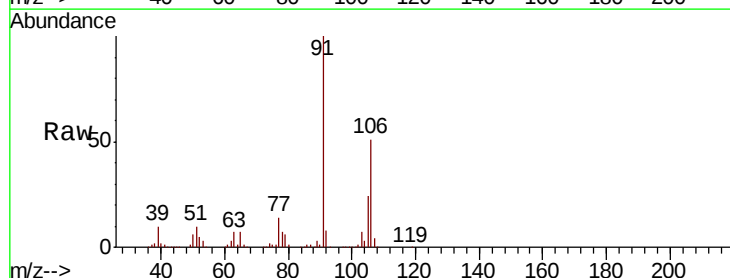
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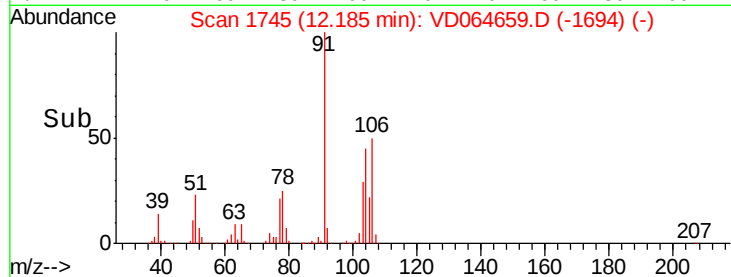
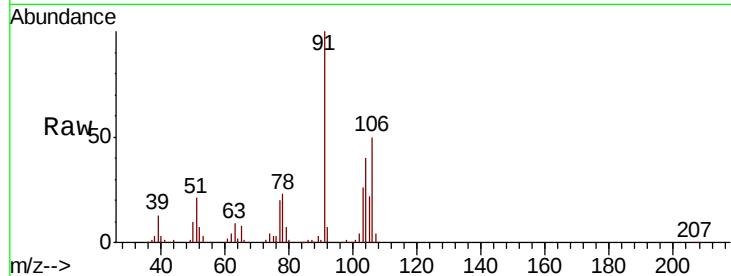
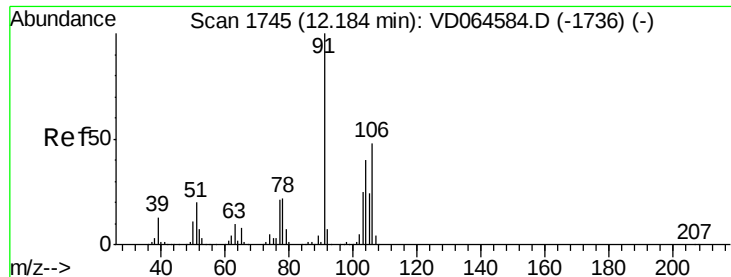
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#68
m/p-Xylenes
Concen: 36.041 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 106 Resp: 292347
Ion Ratio Lower Upper
106 100
91 196.6 156.3 234.5





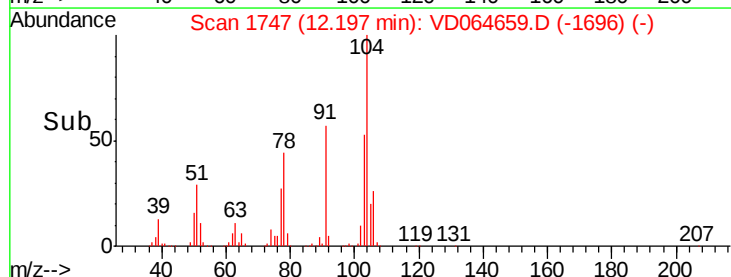
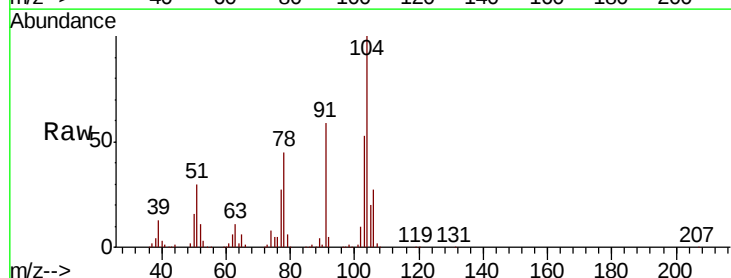
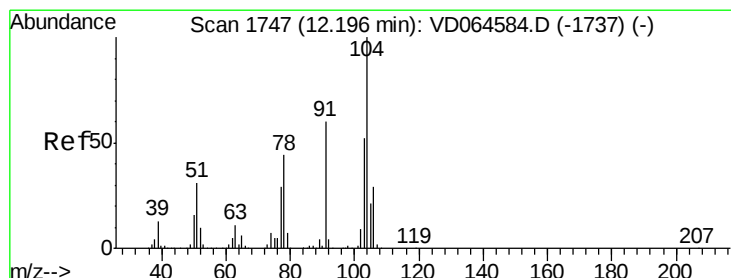
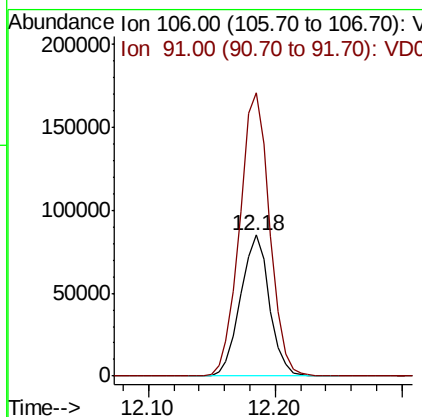
#69
o-Xylene
Concen: 18.344 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tot Ion	Ratio	Resp	Lower	Upper
106	100	134399		
91	208.1	104.8	314.4	

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

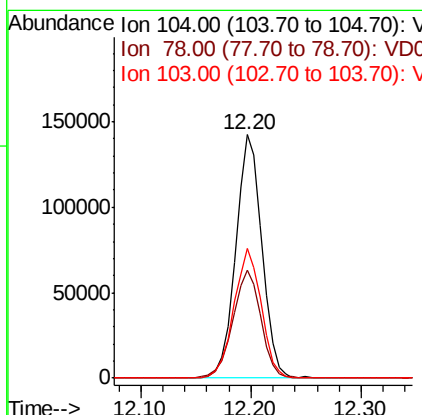
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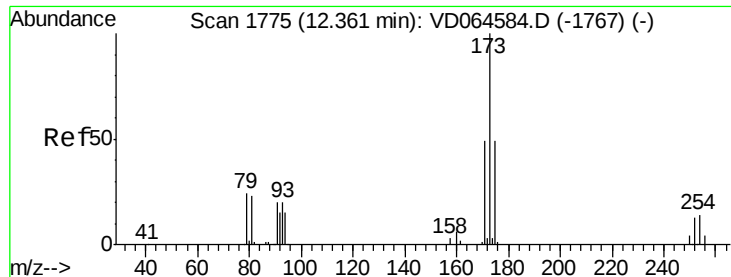
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#70
Styrene
Concen: 18.352 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	236017		
78	47.7	38.2	57.2	
103	55.8	44.6	67.0	





#71

Bromoform

Concen: 19.366 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

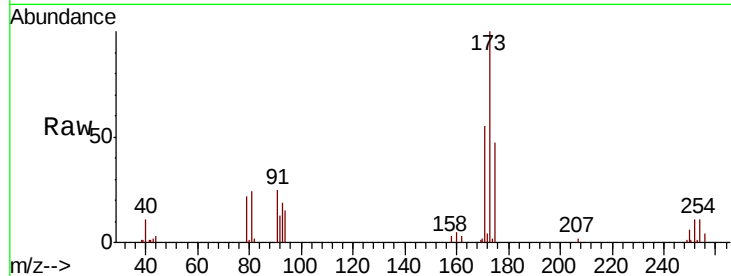
ClientSampleId :

VD1227SBS02

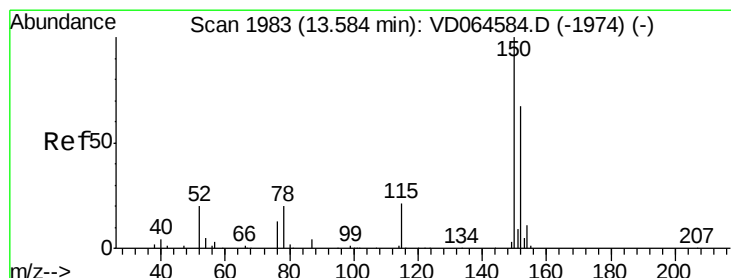
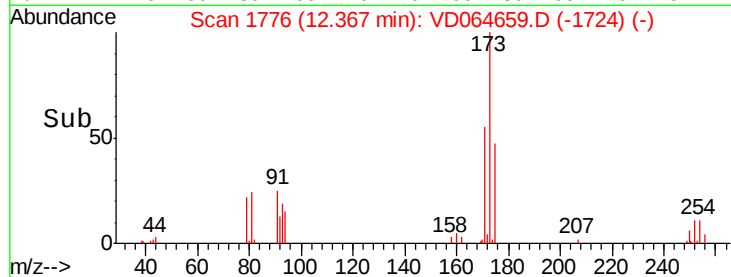
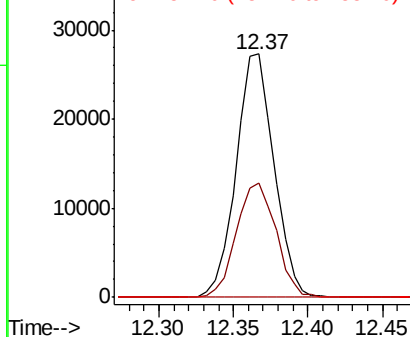
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	73.8
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

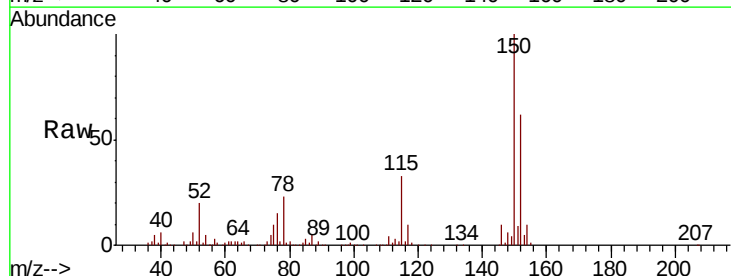
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

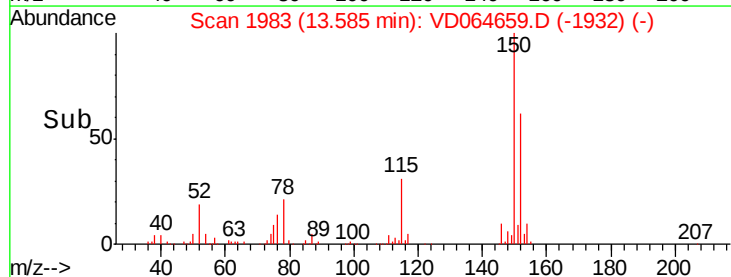
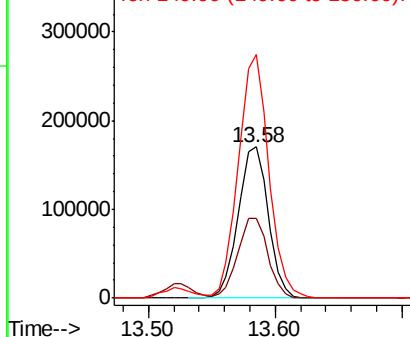
Lab File: VD064659.D

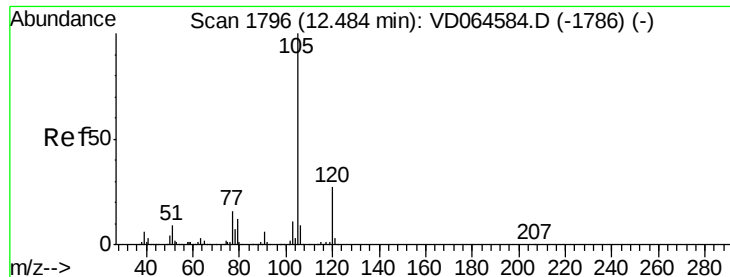
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	27.8	83.4
150	163.0	0.0	351.4



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





#73

Isopropylbenzene

Concen: 17.669 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 105 Resp: 354016

Ion Ratio Lower Upper

105 100

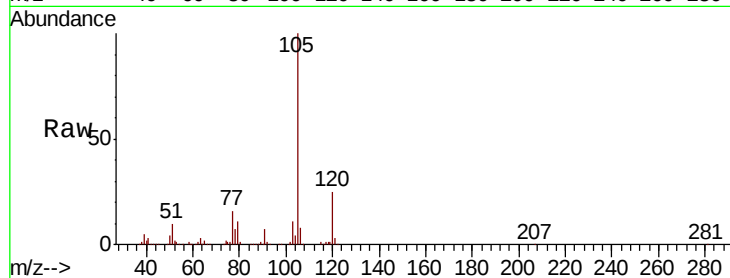
120 27.2 13.5 40.5

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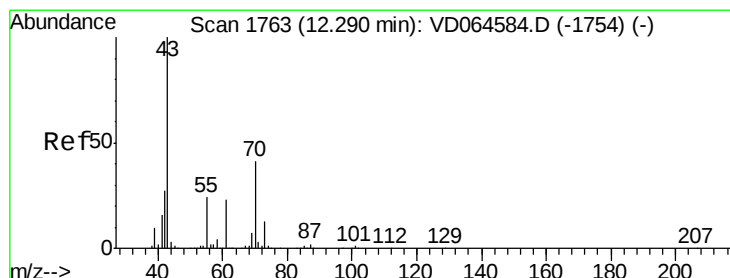
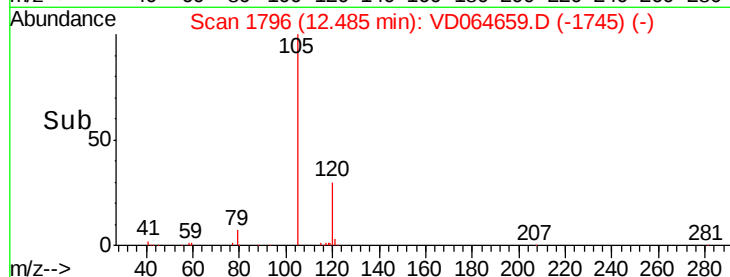
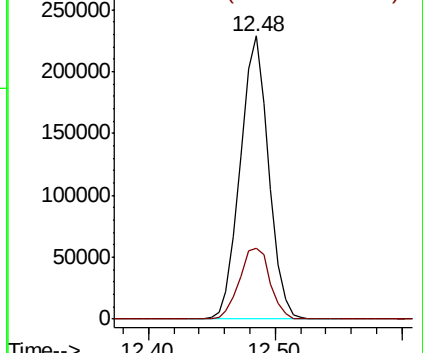
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.956 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Tgt Ion: 43 Resp: 81184

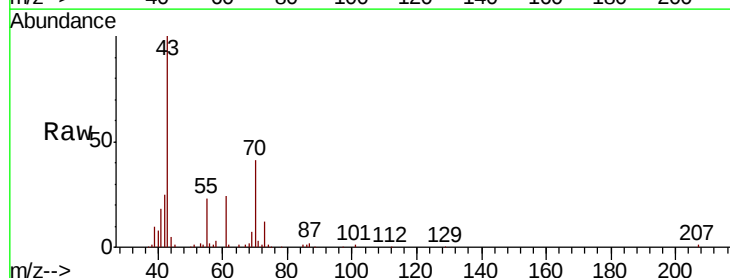
Ion Ratio Lower Upper

43 100

70 41.1 33.4 50.0

55 24.7 19.4 29.0

61 23.0 18.3 27.5

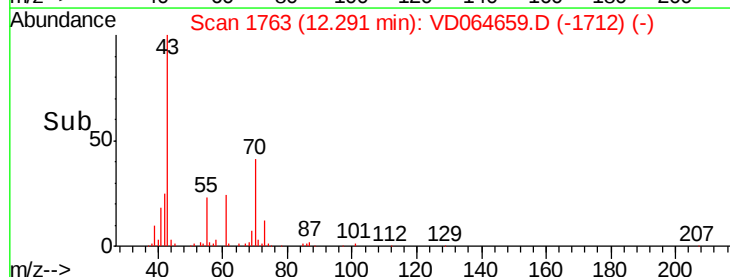
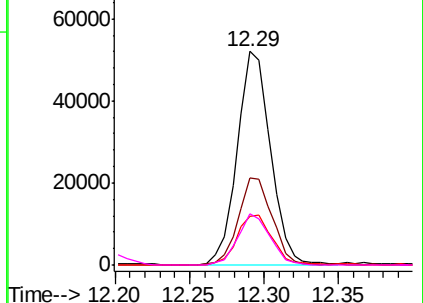


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.179 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

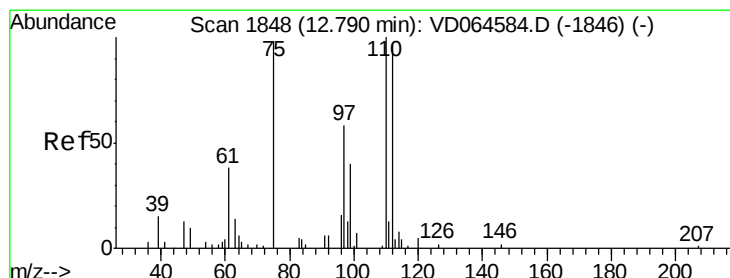
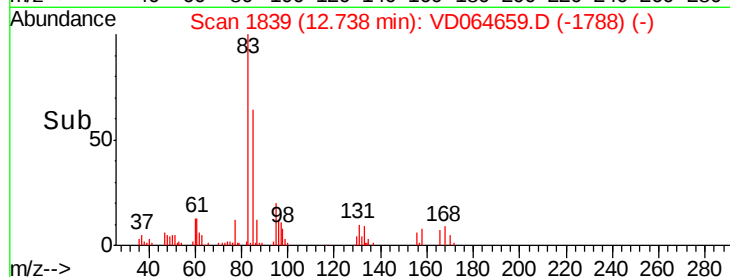
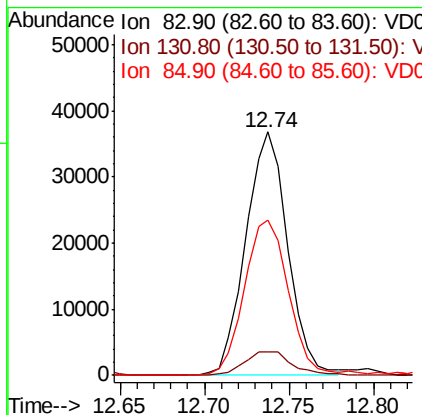
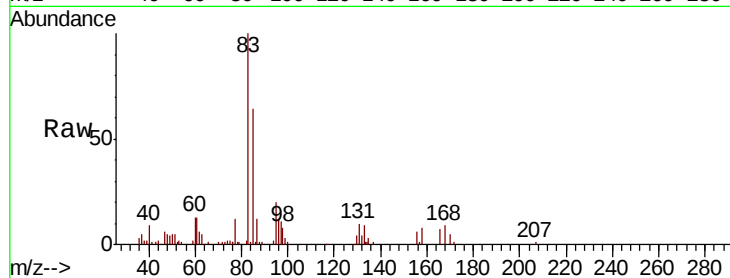
ClientSampleId :

VD1227SBS02

Tot Ion:	83	Resp:	63510
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.8	17.4
85	67.8	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 17.562 ug/l m

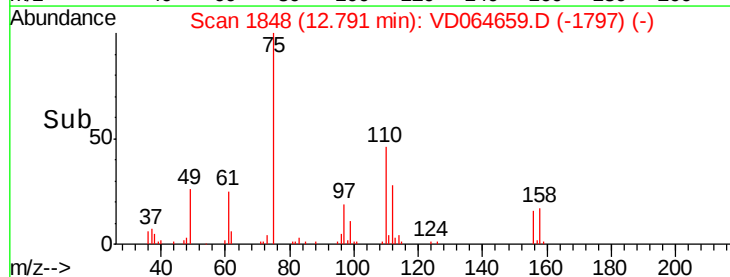
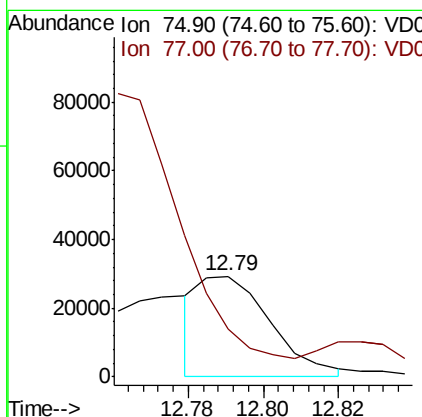
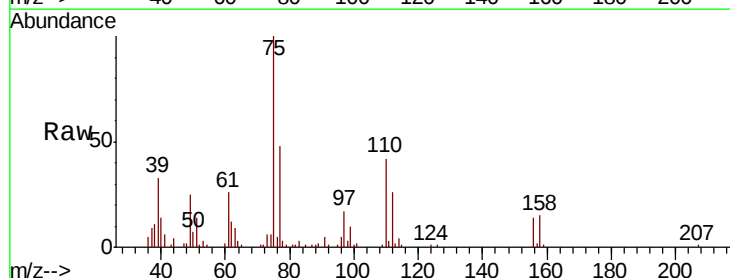
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Tgt Ion:	75	Resp:	38882
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.681 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

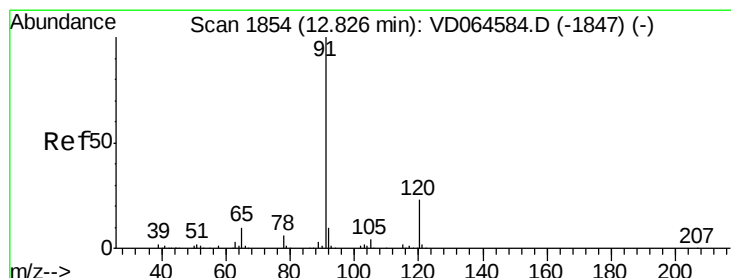
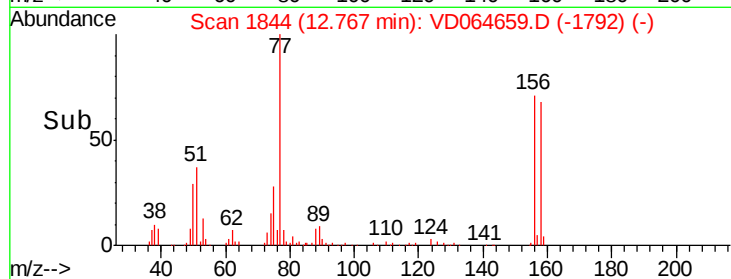
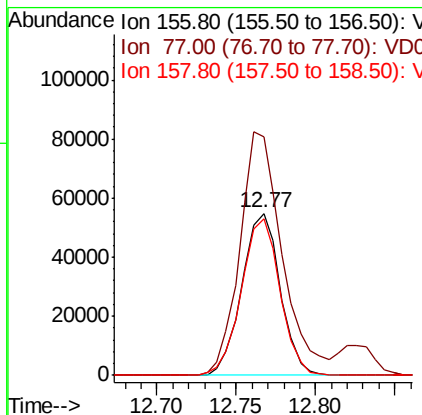
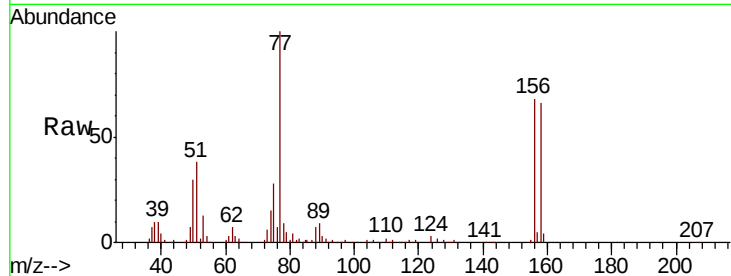
ClientSampleId :

VD1227SBS02

Tot Ion:156 Resp: 91969
 Ion Ratio Lower Upper
 156 100
 77 166.6 80.9 242.7
 158 97.5 48.0 144.2

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#78

n-propylbenzene

Concen: 17.947 ug/l

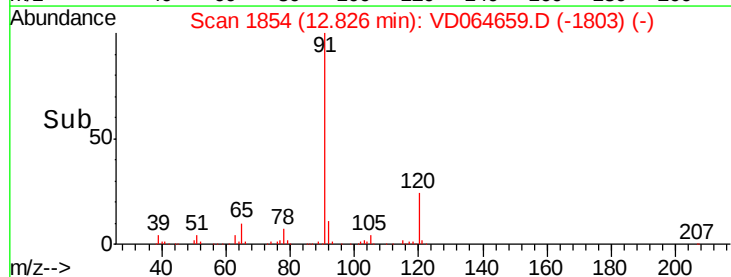
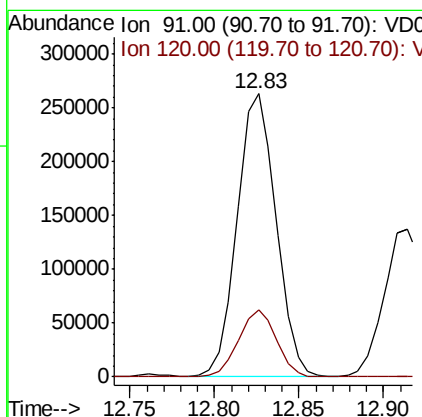
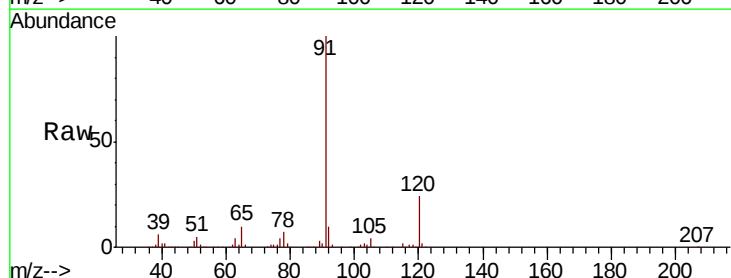
RT: 12.83 min Scan# 1854

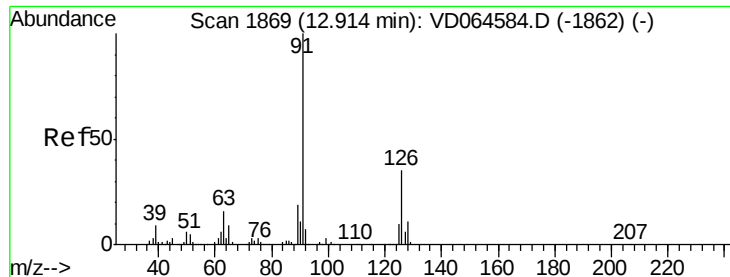
Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Tgt Ion: 91 Resp: 419491
 Ion Ratio Lower Upper
 91 100
 120 23.1 11.9 35.9





#79

2-Chlorotoluene

Concen: 18.287 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion: 91 Resp: 234809

Ion Ratio Lower Upper

91 100

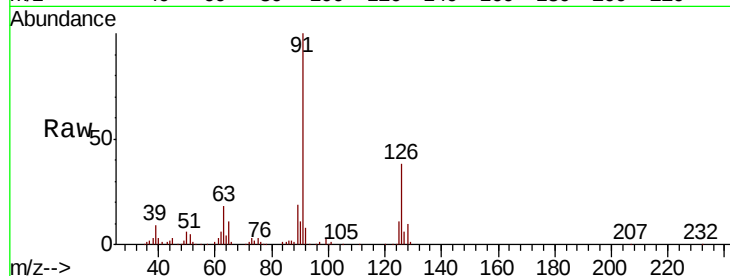
126 36.4 17.8 53.5

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.91

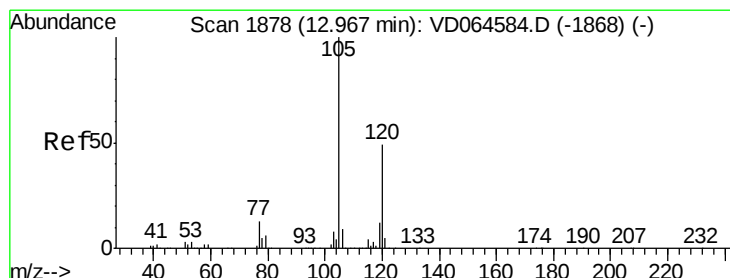
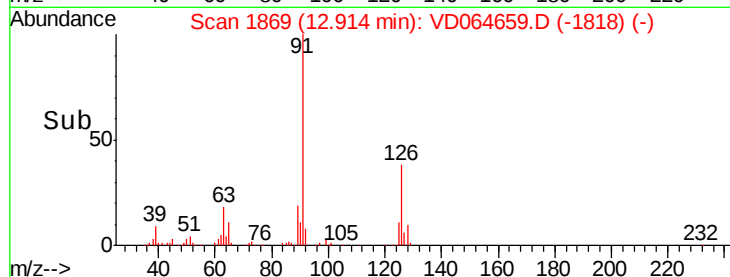
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.082 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064659.D

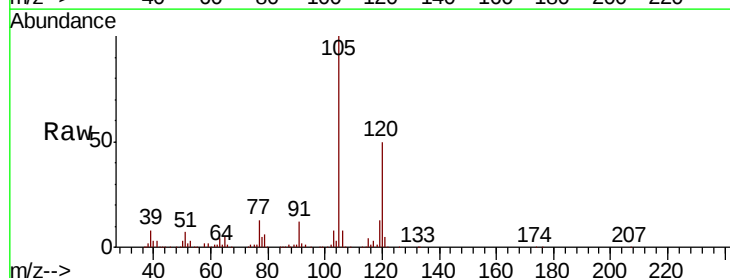
Acq: 27 Dec 2019 23:54

Tgt Ion:105 Resp: 297590

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.97

200000

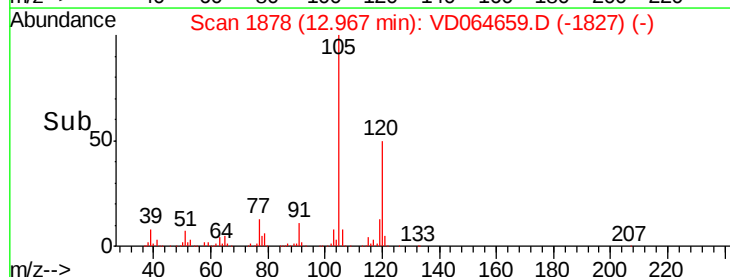
150000

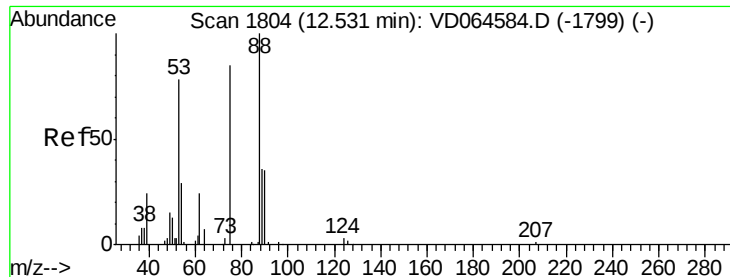
100000

50000

0

Time-->





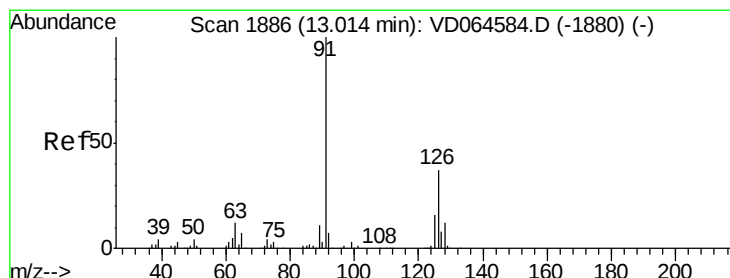
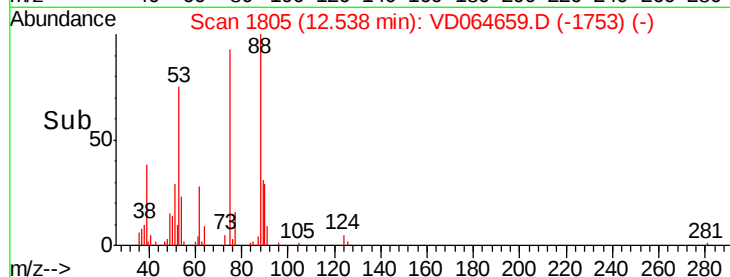
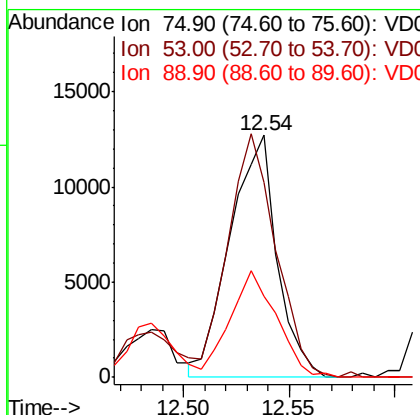
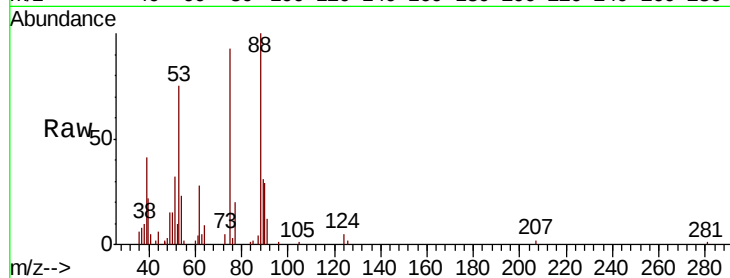
#81
trans-1,4-Dichloro-2-butene
Concen: 18.515 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	78.8	118.2
89	43.4	38.3	57.5

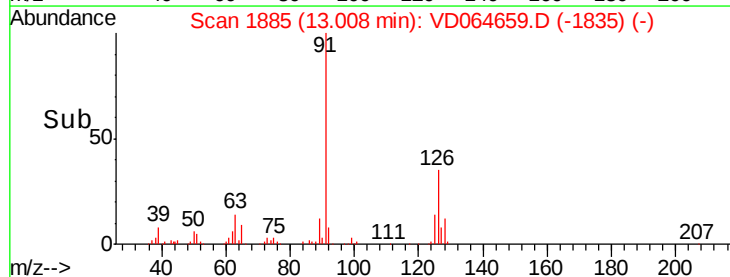
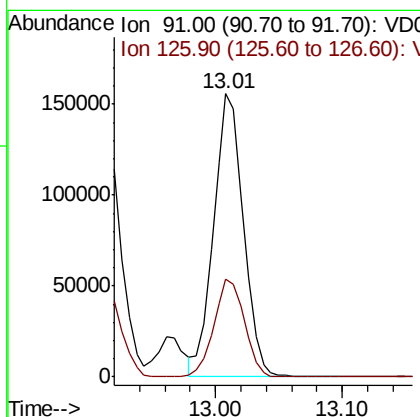
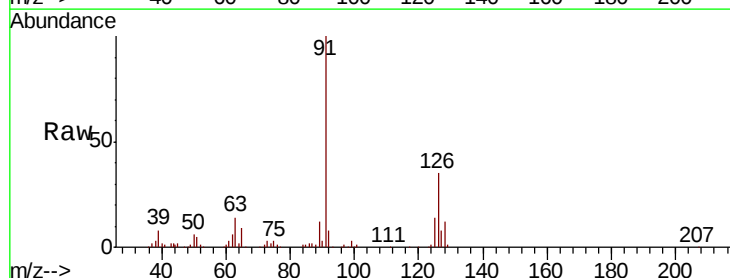
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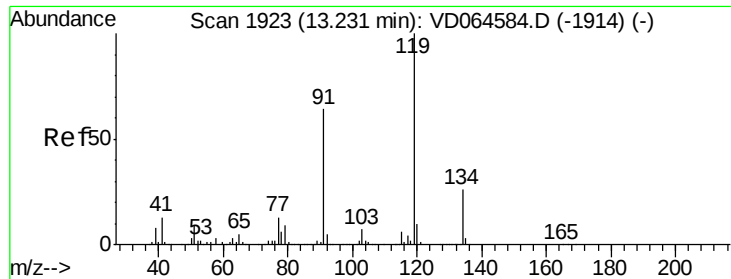
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#82
4-Chlorotoluene
Concen: 18.562 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.5





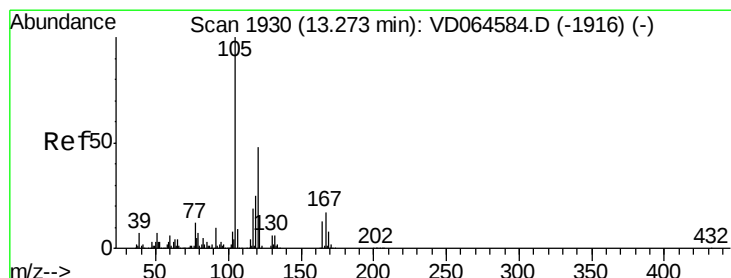
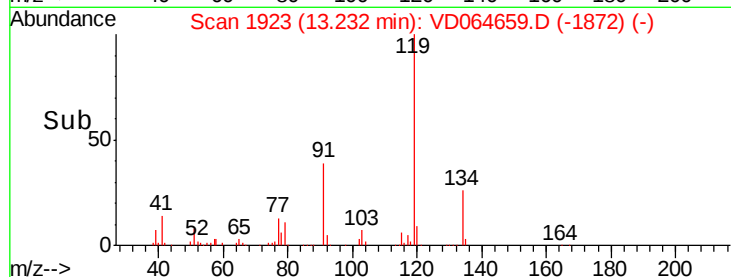
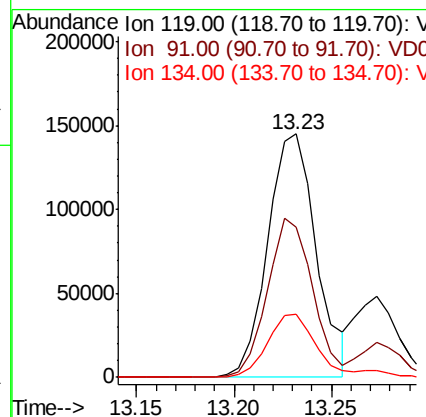
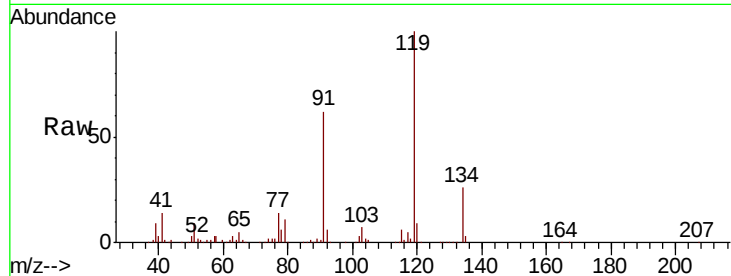
#83
tert-Butylbenzene
Concen: 17.485 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	249860		
91	60.9		30.8	92.4
134	25.8		12.8	38.3

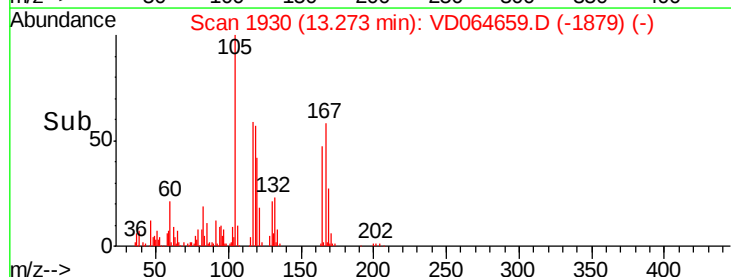
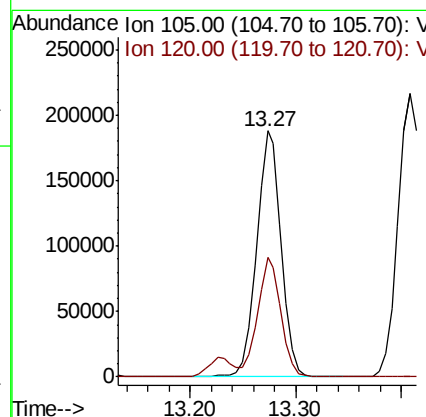
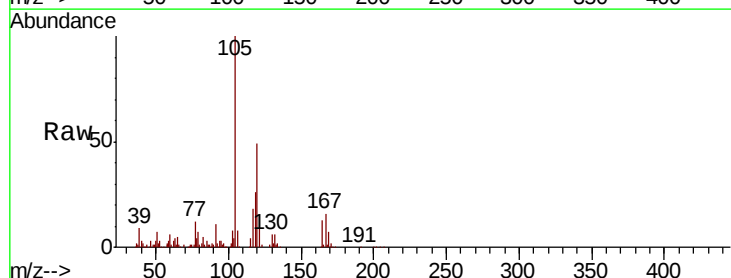
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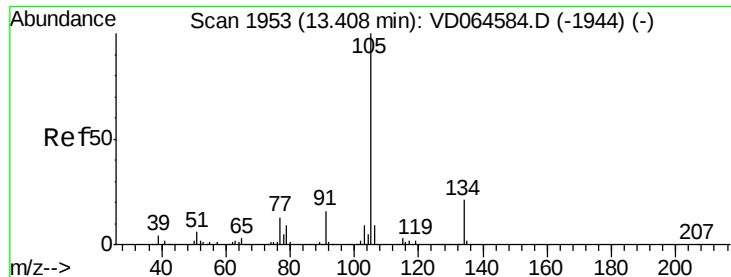
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#84
1,2,4-Trimethylbenzene
Concen: 18.462 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302611		
120	45.7		23.8	71.2





#85

sec-Butylbenzene

Concen: 17.564 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tot Ion:105 Resp: 344090

Ion Ratio Lower Upper

105 100

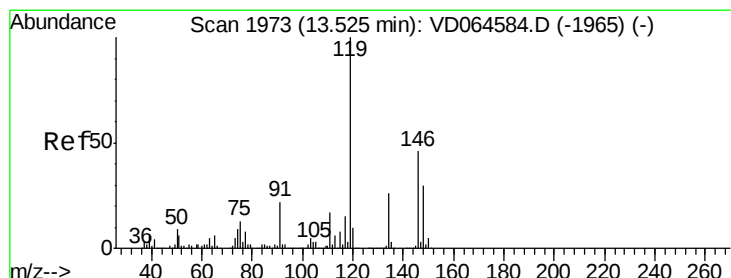
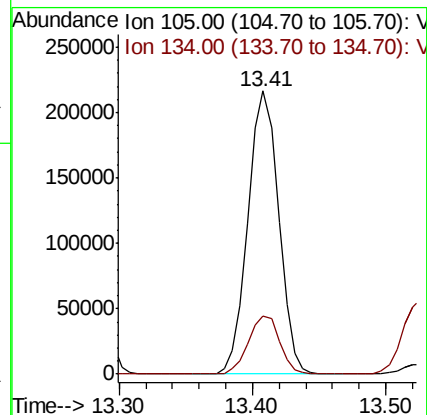
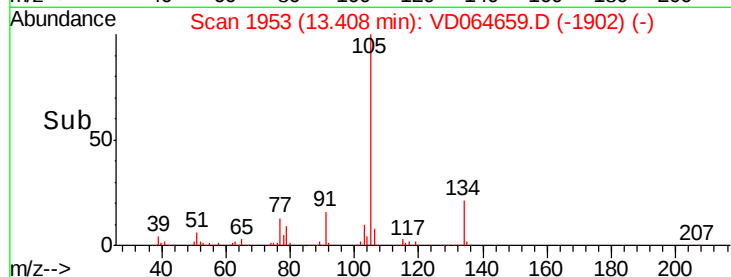
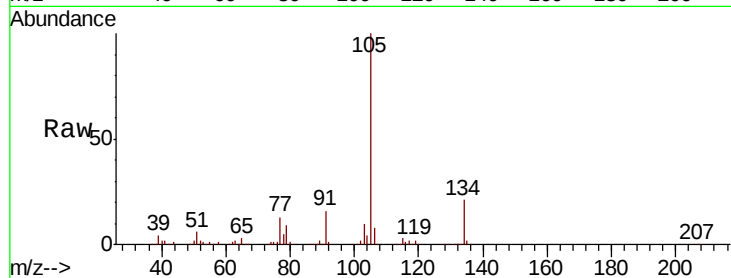
134 20.9 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 16.937 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

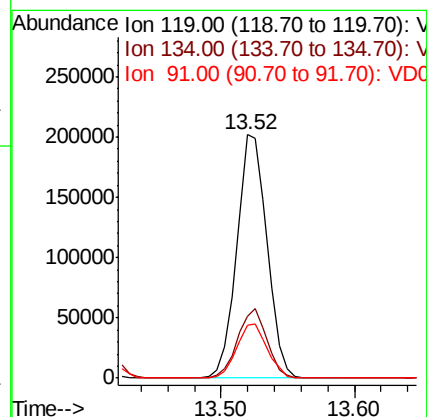
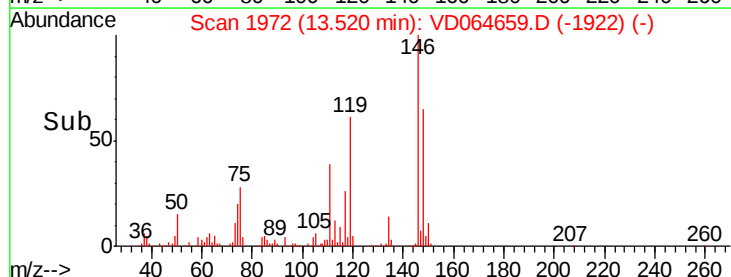
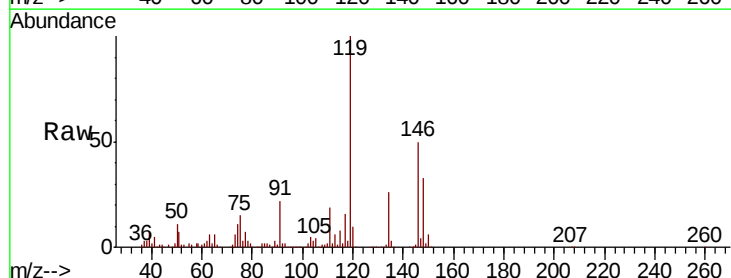
Tgt Ion:119 Resp: 317265

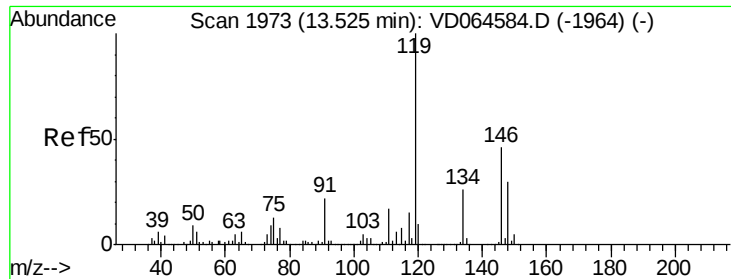
Ion Ratio Lower Upper

119 100

134 27.7 13.4 40.1

91 22.8 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 18.643 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

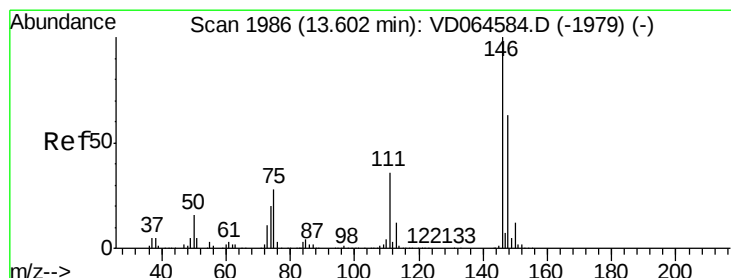
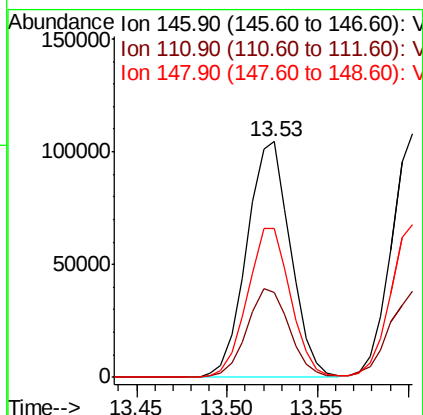
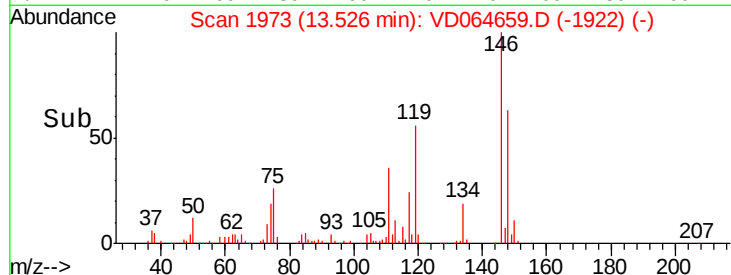
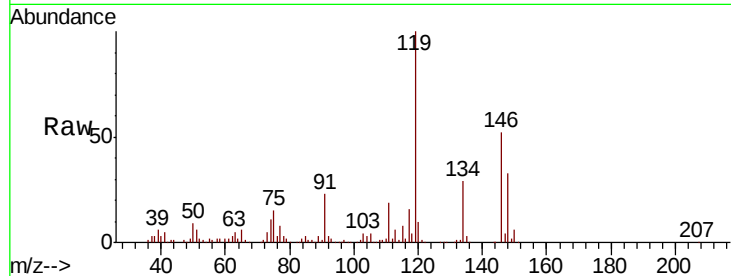
ClientSampleId :

VD1227SBS02

Tot Ion:	146	Resp:	174964
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.8	56.4
148	62.6	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 18.920 ug/l

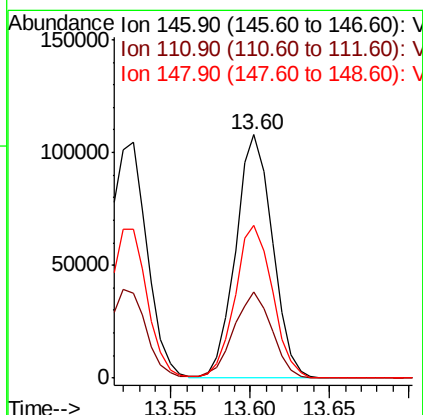
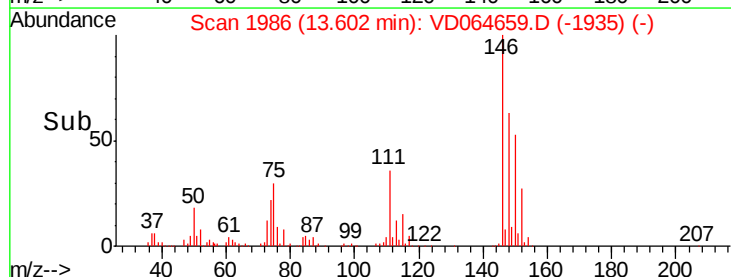
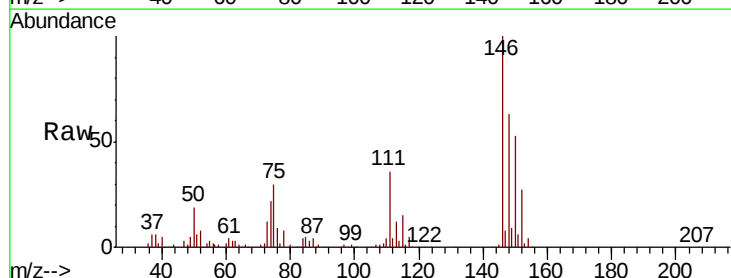
RT: 13.60 min Scan# 1986

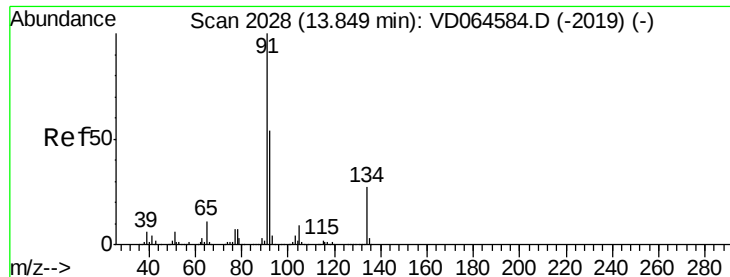
Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Tgt Ion:	146	Resp:	174437
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.1	54.1
148	63.6	32.3	96.9





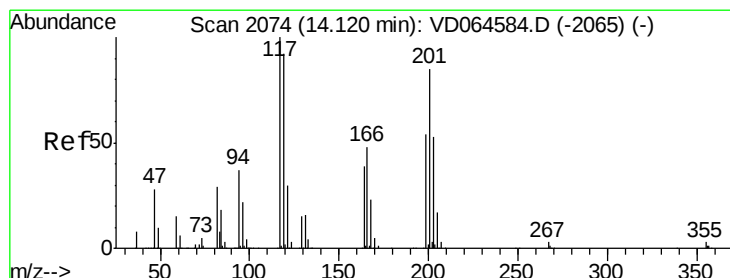
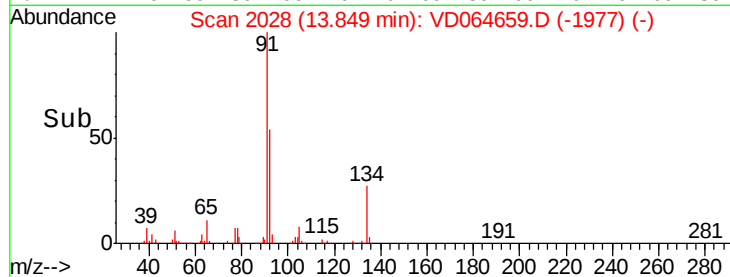
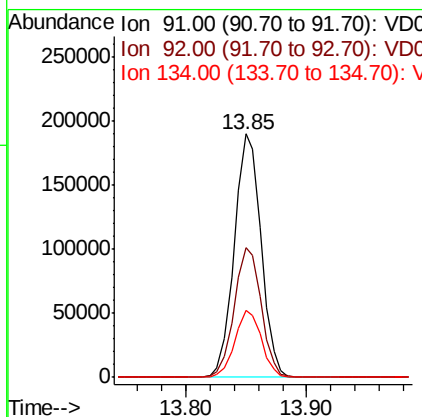
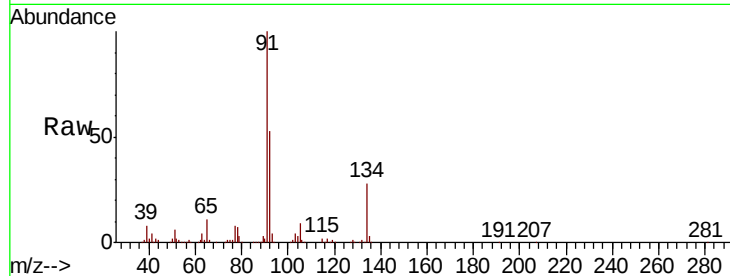
#89
n-Butylbenzene
Concen: 17.385 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	27.3	14.0	41.9

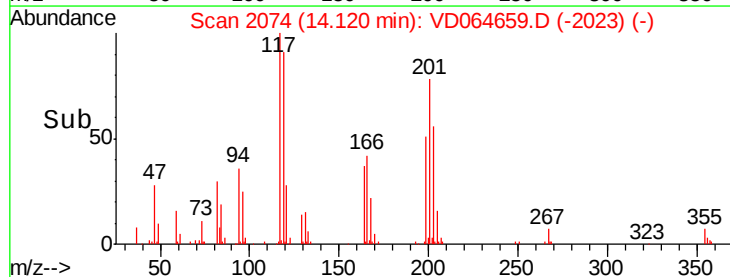
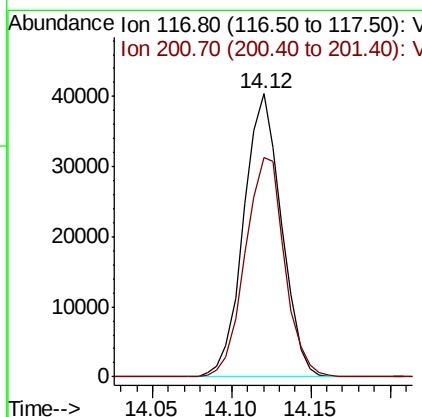
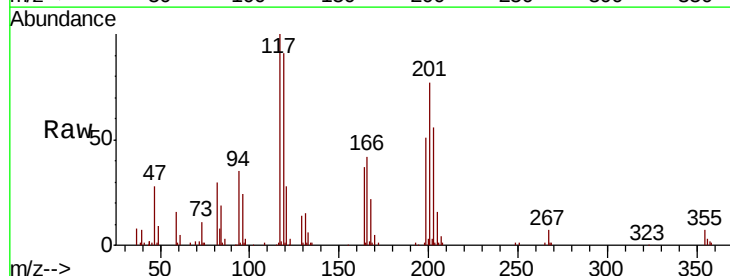
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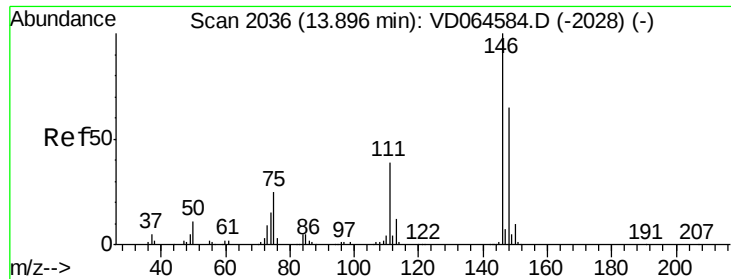
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#90
Hexachloroethane
Concen: 18.693 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	44.0	131.8





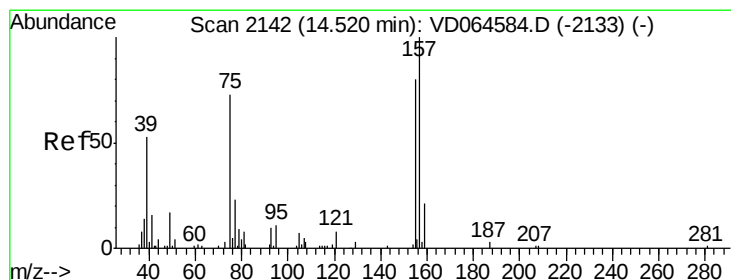
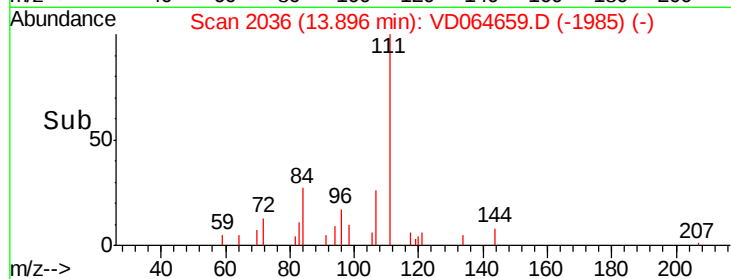
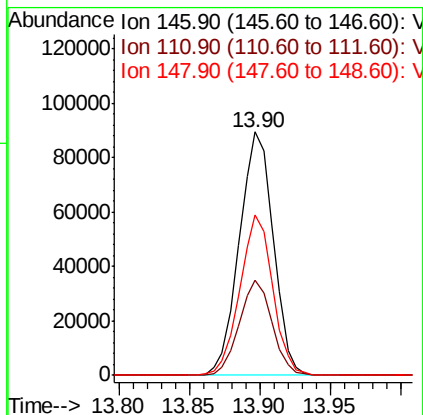
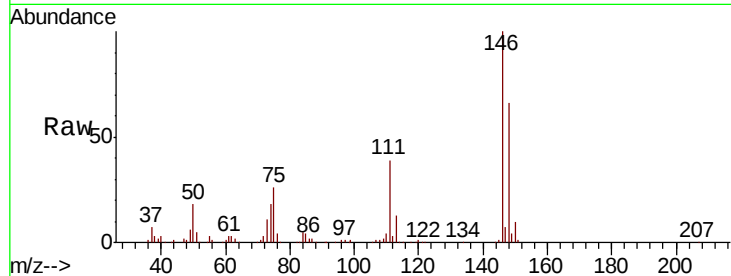
#91
 1,2-Dichlorobenzene
 Concen: 18.870 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.3	57.9
148	63.6	31.9	95.5

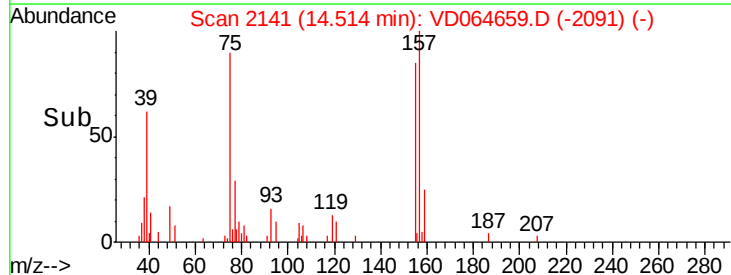
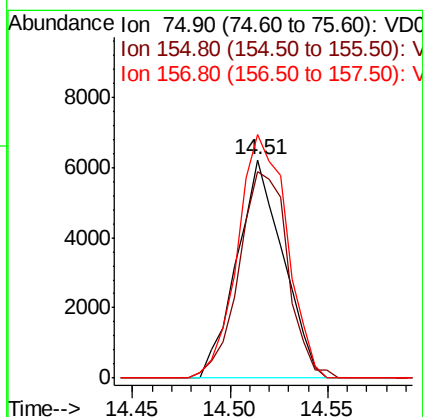
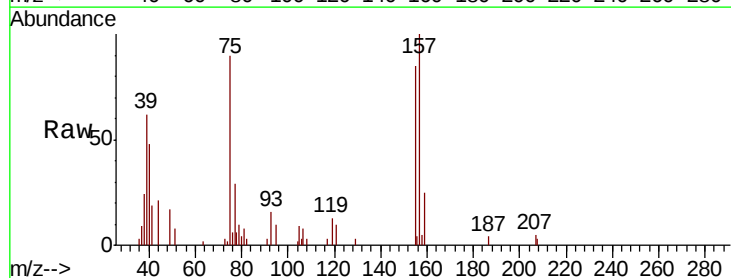
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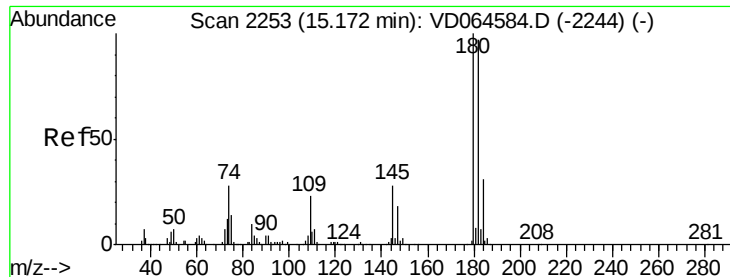
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.985 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	48.0	144.0
157	118.6	64.1	192.3





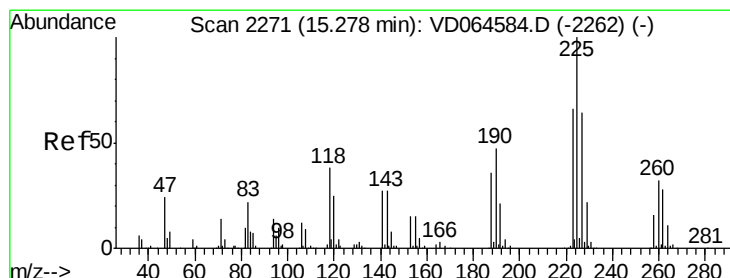
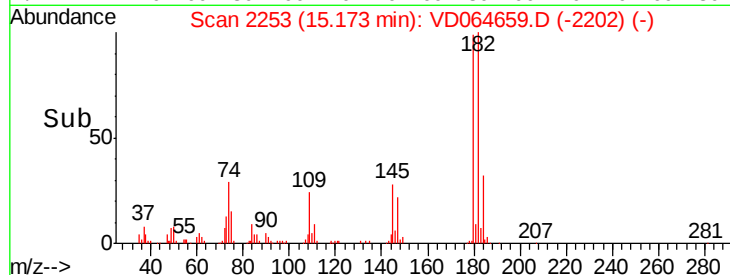
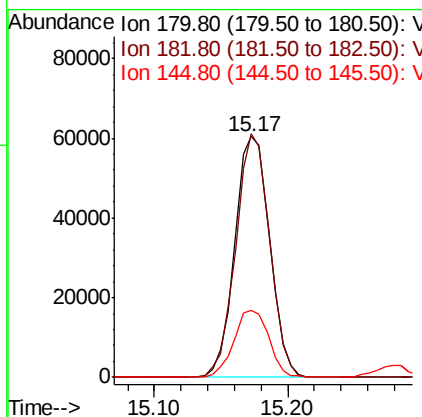
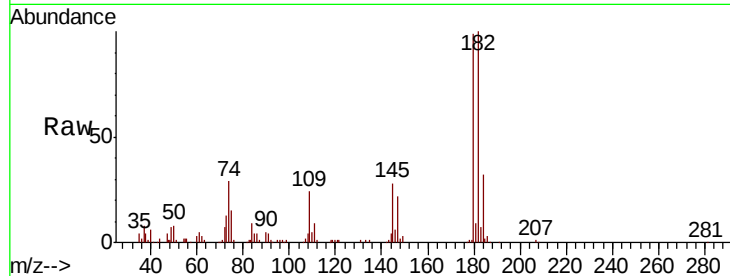
#93
 1,2,4-Trichlorobenzene
 Concen: 18.547 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.7	48.0	144.2	
145	27.9	13.8	41.4	

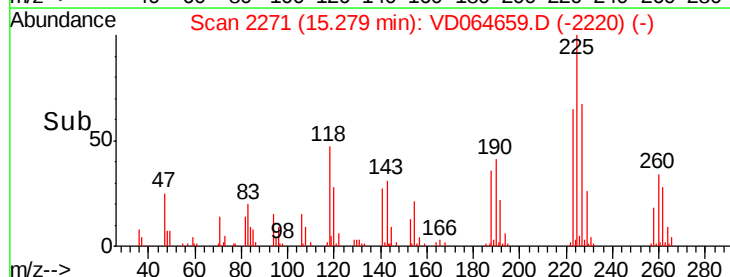
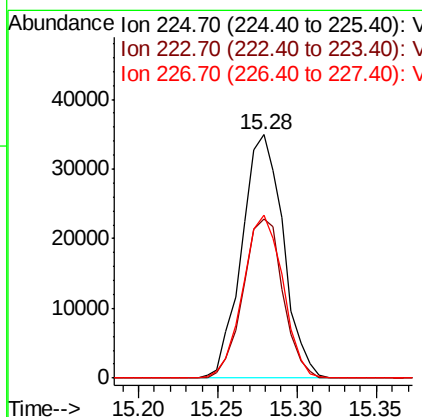
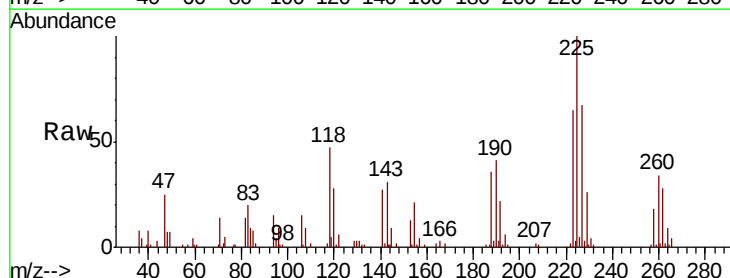
Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:24 AM



#94
 Hexachlorobutadiene
 Concen: 17.119 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.1	93.2	
227	64.7	30.9	92.7	





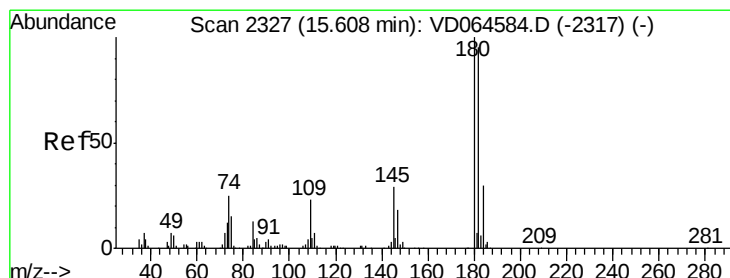
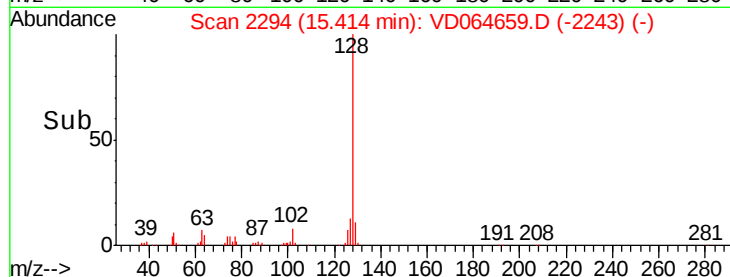
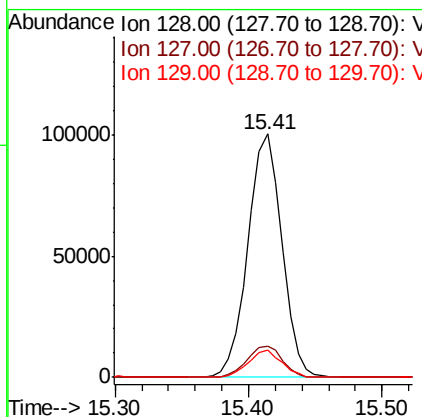
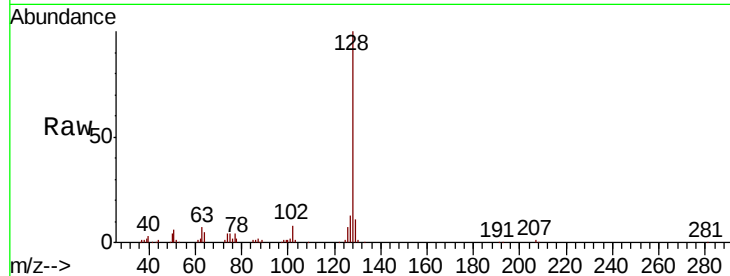
#95
Naphthalene
Concen: 18.907 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.1	8.5	12.7

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.115 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	29.4	14.9	44.7

