

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064377.D
 Acq On : 26 Nov 2019 11:56
 Operator : VA/SY
 Sample : VD1126SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Manual Integrations
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 11/27/2019 5:14:01 PM

Quant Time: Nov 26 13:18:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	485888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	611980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	198276	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.91	113	207497	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.34	98	769700	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.64	95	256738	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72252	17.929	ug/l	98
3) Chloromethane	2.21	50	87880	20.331	ug/l	99
4) Vinyl Chloride	2.35	62	107245	23.201	ug/l	99
5) Bromomethane	2.76	94	74918	25.667	ug/l	98
6) Chloroethane	2.92	64	74975	25.384	ug/l	94
7) Trichlorofluoromethane	3.27	101	190134	25.371	ug/l	97
8) Diethyl Ether	3.70	74	39466	19.153	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84887	19.818	ug/l	98
10) Methyl Iodide	4.29	142	80117	17.751	ug/l	99
11) Tert butyl alcohol	5.25	59	24189	86.664	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	81220	19.893	ug/l	95
13) Acrolein	3.93	56	13165	55.755	ug/l	92
14) Allyl chloride	4.71	41	128997	17.870	ug/l	95
15) Acrylonitrile	5.43	53	84571	96.272	ug/l	99
16) Acetone	4.17	43	78310	82.720	ug/l	93
17) Carbon Disulfide	4.40	76	224617	17.666	ug/l	98
18) Methyl Acetate	4.73	43	48538	18.357	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	180685	18.538	ug/l	99
20) Methylene Chloride	4.96	84	88565	18.520	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	91615	19.806	ug/l	92
22) Diisopropyl ether	6.37	45	248400	18.546	ug/l	97
23) Vinyl Acetate	6.31	43	694224	92.984	ug/l	99
24) 1,1-Dichloroethane	6.26	63	154656	19.887	ug/l	99
25) 2-Butanone	7.22	43	110049	89.978	ug/l	100
26) 2,2-Dichloropropane	7.20	77	142331	18.662	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	99925	20.144	ug/l	96
28) Bromochloromethane	7.54	49	44252	16.344	ug/l	99
29) Tetrahydrofuran	7.57	42	64451	87.707	ug/l	95
30) Chloroform	7.71	83	166668	20.952	ug/l	99
31) Cyclohexane	7.98	56	145650	18.570	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	148414	19.484	ug/l	99
36) 1,1-Dichloropropene	8.11	75	124083	19.119	ug/l	98
37) Ethyl Acetate	7.30	43	49592	18.125	ug/l	96
38) Carbon Tetrachloride	8.09	117	135318	19.486	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	152144	18.526	ug/l	99
40) Benzene	8.35	78	348455	19.645	ug/l	100
41) Methacrylonitrile	7.53	41	26021	15.131	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	101101	18.978	ug/l	98
43) Isopropyl Acetate	8.46	43	98517	17.476	ug/l	96
44) Trichloroethene	9.11	130	104726	19.672	ug/l	100
45) 1,2-Dichloropropane	9.39	63	85002	19.689	ug/l	99
46) Dibromomethane	9.47	93	44733	19.354	ug/l	98
47) Bromodichloromethane	9.66	83	121203	19.468	ug/l	99
48) Methyl methacrylate	9.46	41	44505	16.145	ug/l	91
49) 1,4-Dioxane	9.47	88	10230	368.538	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	241582	89.363	ug/l	99
52) Toluene	10.40	92	224438	19.243	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	111761	17.919	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	135262	18.584	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	62504	19.935	ug/l	97
56) Ethyl methacrylate	10.66	69	77633	17.700	ug/l	96
57) 1,3-Dichloropropane	10.95	76	106835	19.538	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	199230	112.137	ug/l	100
59) 2-Hexanone	10.98	43	169199	87.973	ug/l	100
60) Dibromochloromethane	11.14	129	84730	19.367	ug/l	98
61) 1,2-Dibromoethane	11.25	107	60804	19.362	ug/l	100
64) Tetrachloroethene	10.87	164	91437	19.427	ug/l	95
65) Chlorobenzene	11.67	112	244499	19.647	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	90635	19.154	ug/l	100
67) Ethyl Benzene	11.74	91	434026	19.281	ug/l	99
68) m/p-Xylenes	11.86	106	326477	37.838	ug/l	100
69) o-Xylene	12.18	106	150944	18.863	ug/l	98
70) Styrene	12.20	104	259434	18.573	ug/l	98
71) Bromoform	12.36	173	49754	18.475	ug/l #	96
73) Isopropylbenzene	12.48	105	423081	19.541	ug/l	99
74) N-amyl acetate	12.29	43	87538	17.121	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	64080	19.642	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	38806m	16.333	ug/l	
77) Bromobenzene	12.77	156	102763	19.537	ug/l	98
78) n-propylbenzene	12.83	91	490574	19.832	ug/l	99
79) 2-Chlorotoluene	12.91	91	268504	19.226	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	341545	19.198	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	19707	16.476	ug/l	92
82) 4-Chlorotoluene	13.01	91	279170	19.165	ug/l	99
83) tert-Butylbenzene	13.23	119	303873	19.371	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	336861	19.179	ug/l	100
85) sec-Butylbenzene	13.41	105	414991	19.696	ug/l	99
86) p-Isopropyltoluene	13.52	119	385302	19.236	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	188879	19.345	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	188763	19.808	ug/l	98
89) n-Butylbenzene	13.85	91	352495	19.478	ug/l	98
90) Hexachloroethane	14.12	117	70431	19.026	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	160873	19.466	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10998	18.855	ug/l	93

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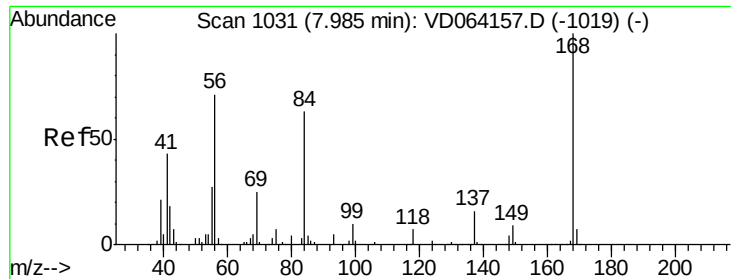
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	125878	19.745	ug/l	97
94) Hexachlorobutadiene	15.28	225	77384	18.793	ug/l	96
95) Naphthalene	15.41	128	196145	18.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103164	19.037	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion:168 Resp: 485888

Ion Ratio Lower Upper

168 100

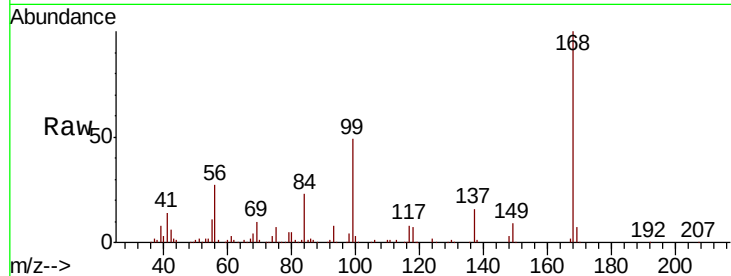
99 48.9 41.6 62.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

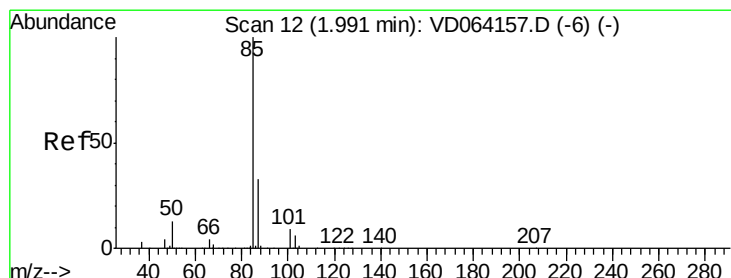
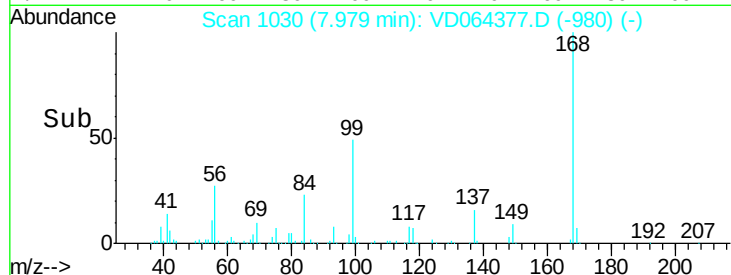
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.929 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064377.D

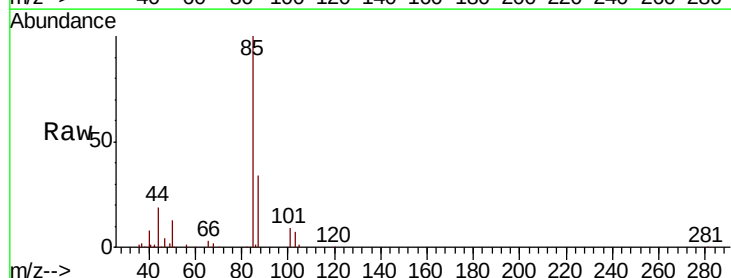
Acq: 26 Nov 2019 11:56

Tgt Ion: 85 Resp: 72252

Ion Ratio Lower Upper

85 100

87 34.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

1.90

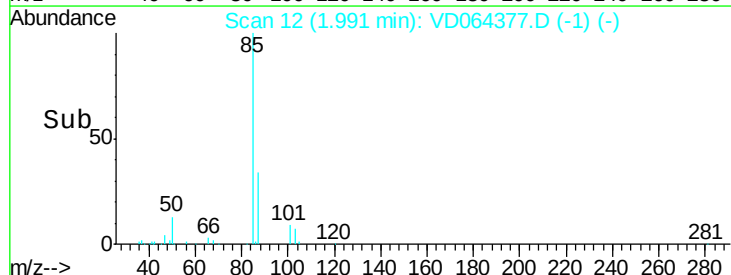
1.95

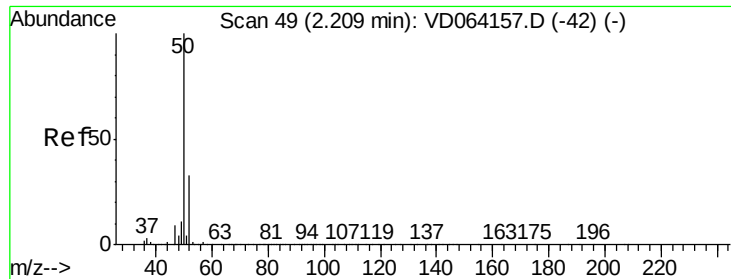
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 20.331 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 50 Resp: 87880

Ion Ratio Lower Upper

50 100

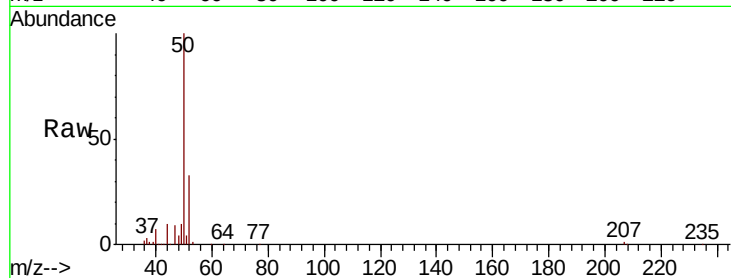
52 33.2 26.2 39.4

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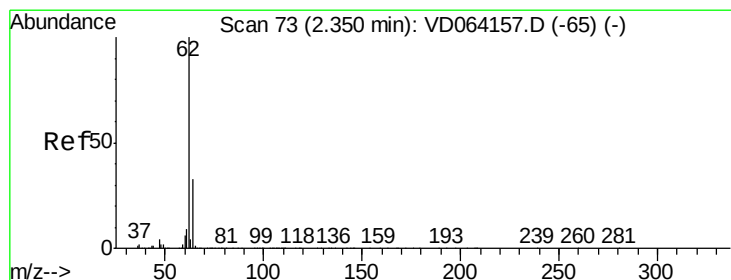
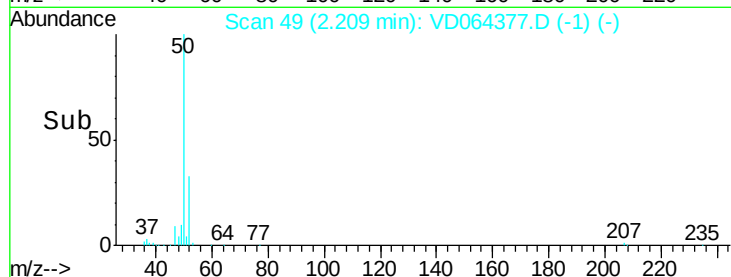
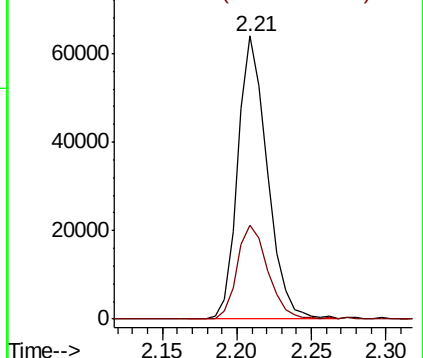
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.201 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064377.D

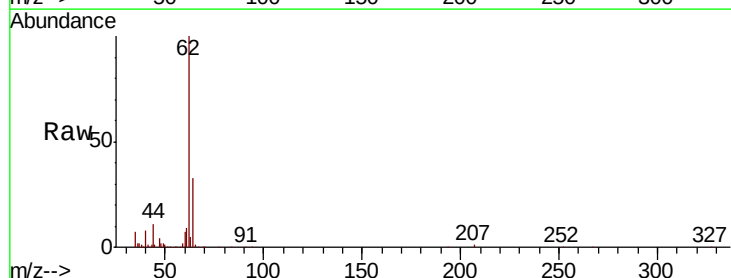
Acq: 26 Nov 2019 11:56

Tgt Ion: 62 Resp: 107245

Ion Ratio Lower Upper

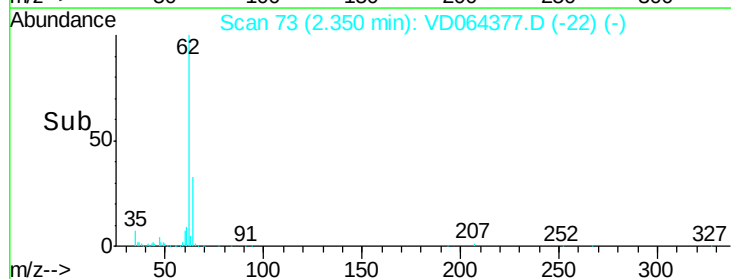
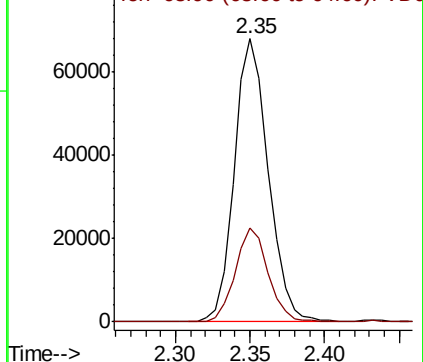
62 100

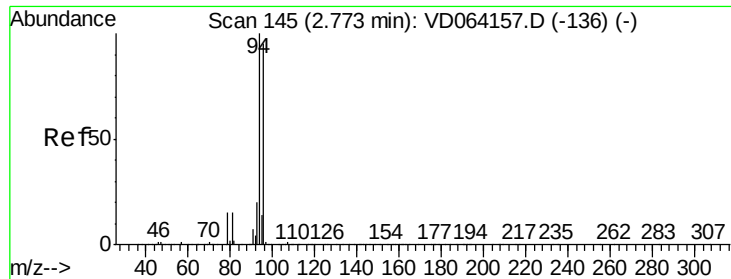
64 33.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.667 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 94 Resp: 74918

Ion Ratio Lower Upper

94 100

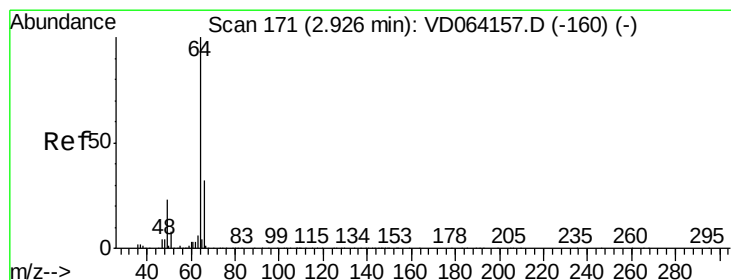
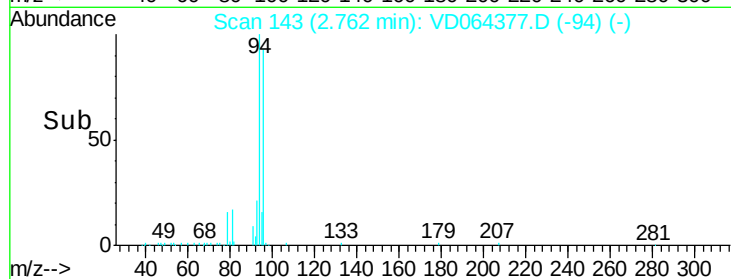
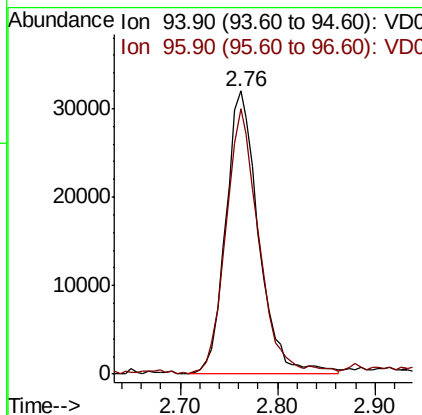
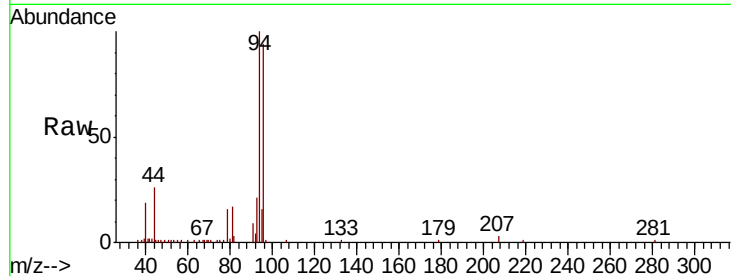
96 93.7 76.2 114.4

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#6

Chloroethane

Concen: 25.384 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064377.D

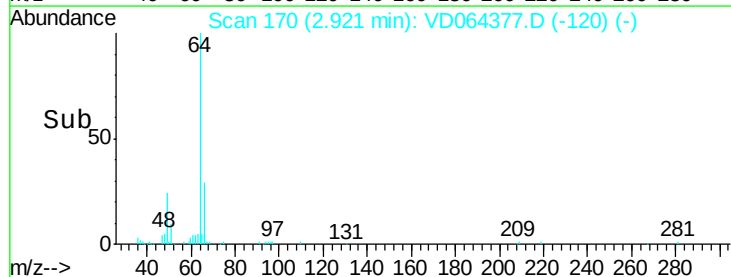
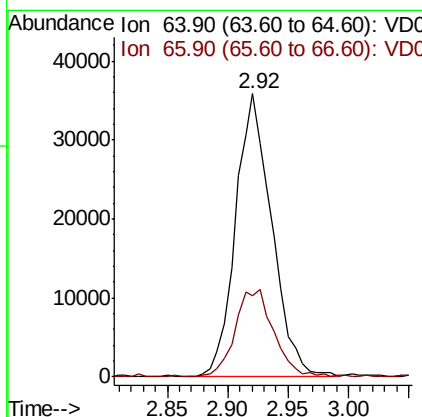
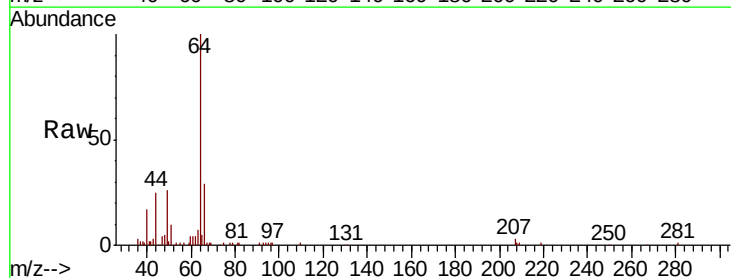
Acq: 26 Nov 2019 11:56

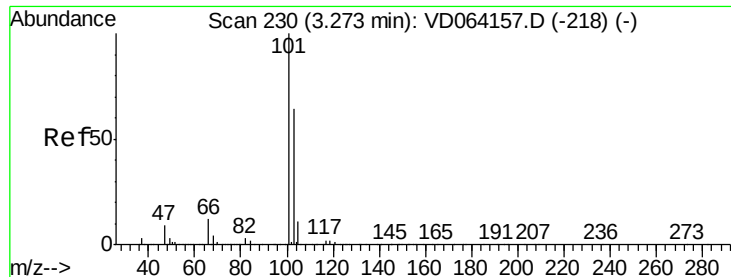
Tgt Ion: 64 Resp: 74975

Ion Ratio Lower Upper

64 100

66 28.7 25.5 38.3





#7

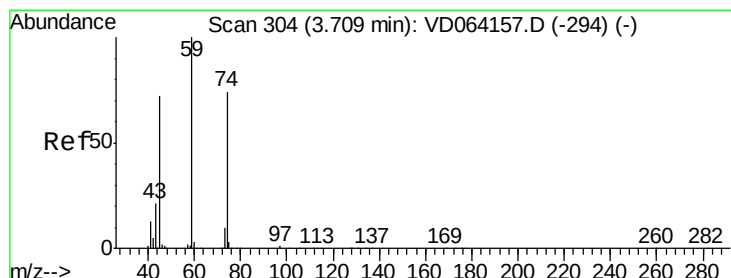
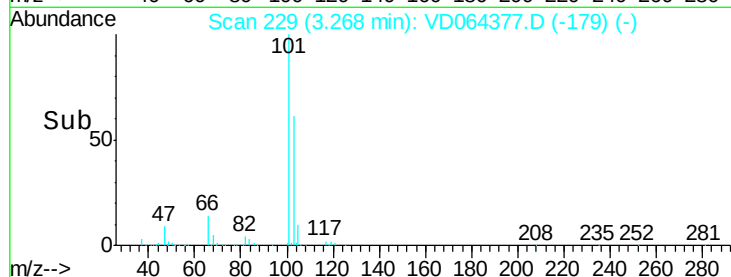
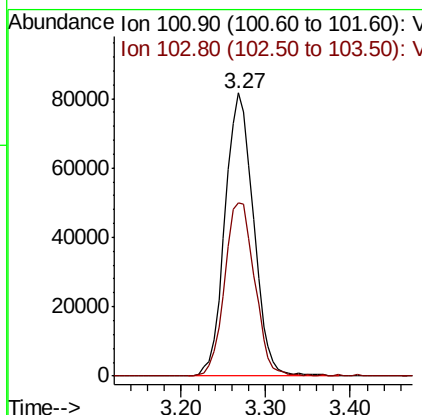
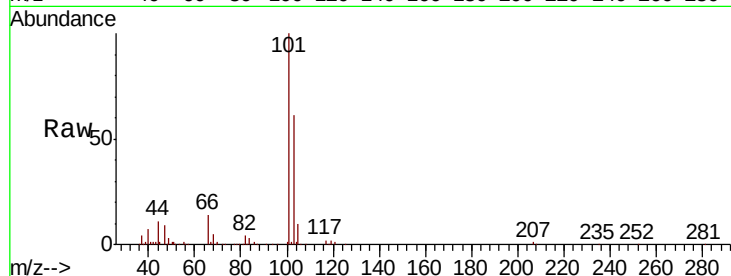
Trichlorofluoromethane
Concen: 25.371 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

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ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	190134		
103	61.3	50.8	76.2	

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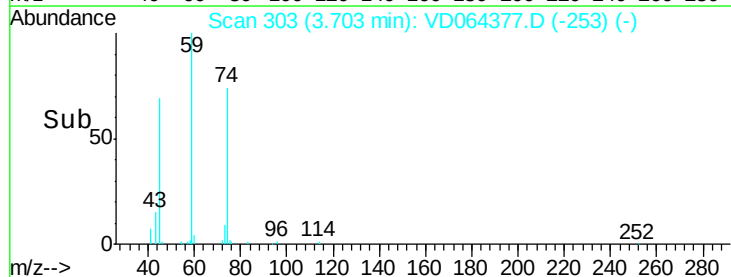
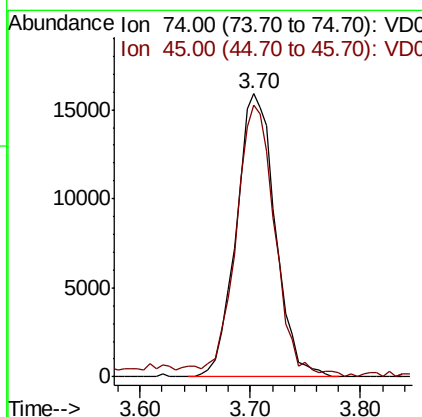
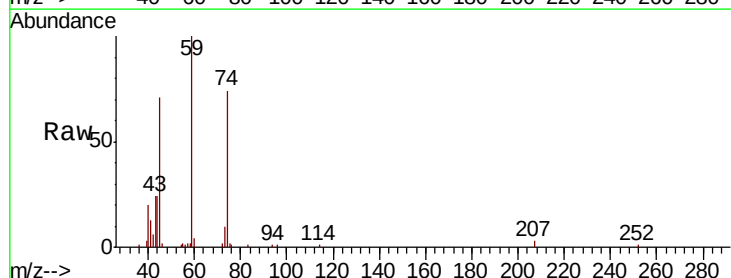
apatel
11/27/2019 5:14:01 PM

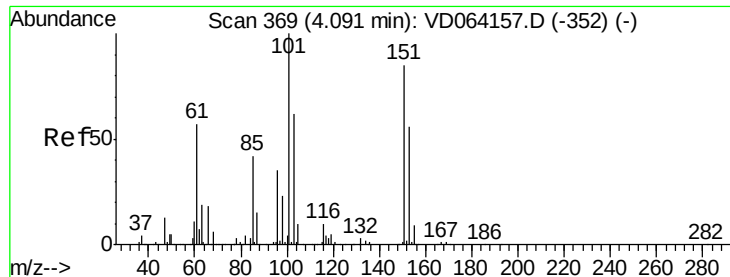


#8

Diethyl Ether
Concen: 19.153 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39466		
45	95.6	47.9	143.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.818 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

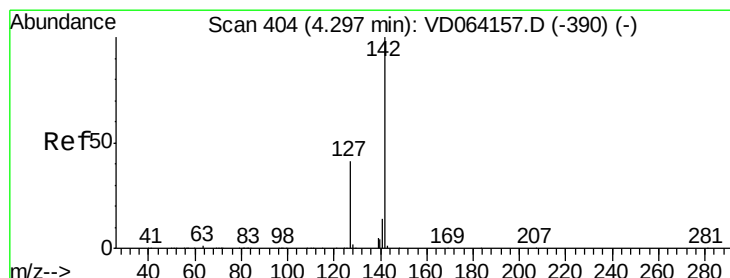
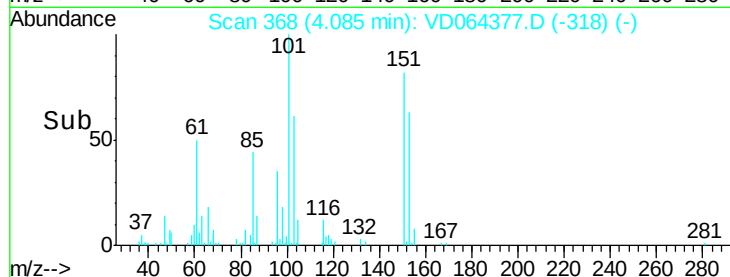
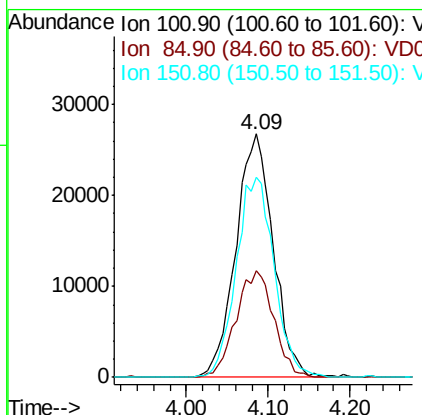
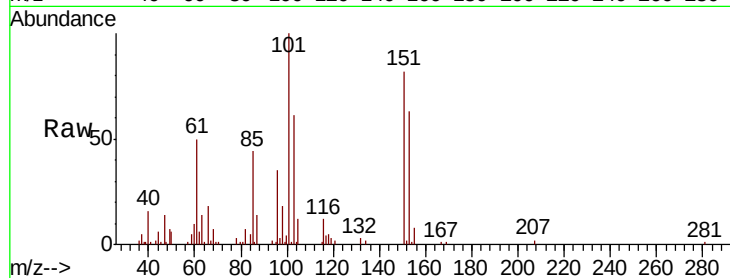
ClientSampleId :

VD1126SBS01

Tot Ion:	101	Resp:	84887
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.4	51.6
151	83.5	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 17.751 ug/l

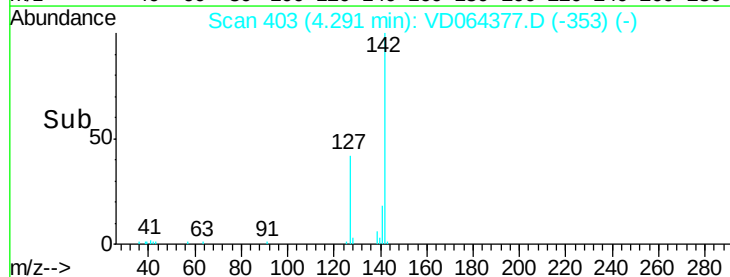
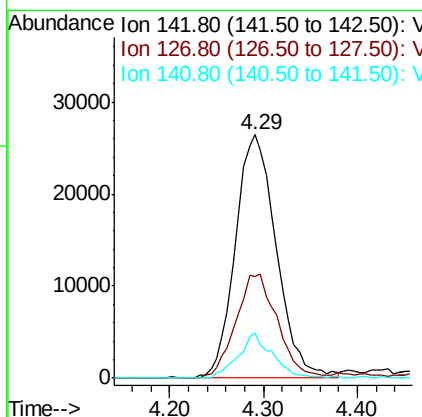
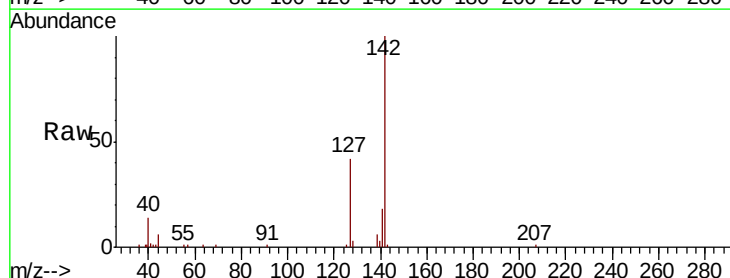
RT: 4.29 min Scan# 403

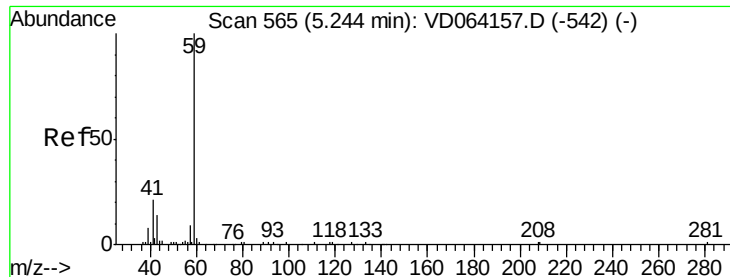
Delta R.T. -0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Tgt Ion:	142	Resp:	80117
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.4	51.6
141	15.3	11.2	16.8





#11

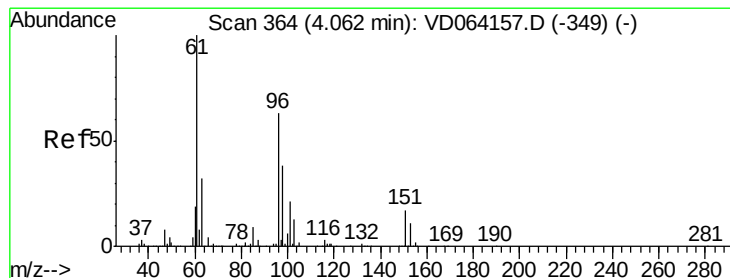
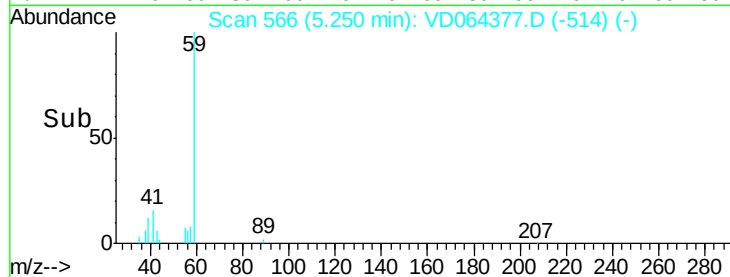
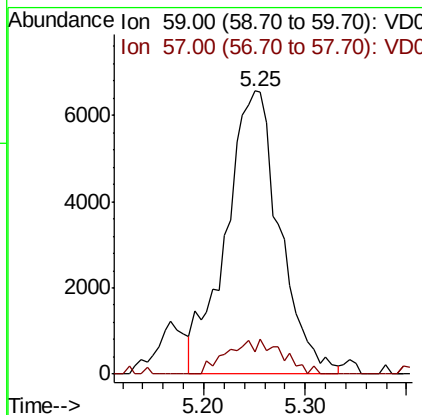
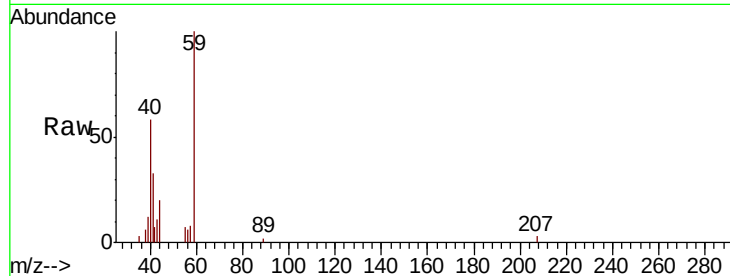
Tert butyl alcohol
Concen: 86.664 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.4	9.4	14.2#

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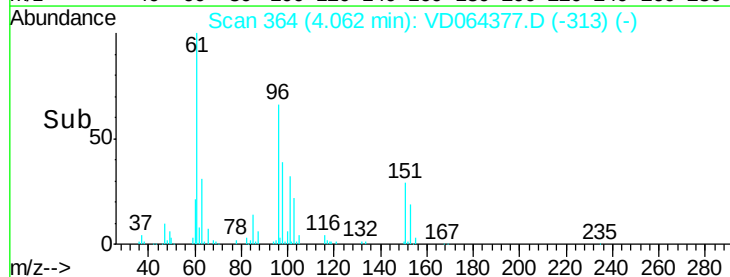
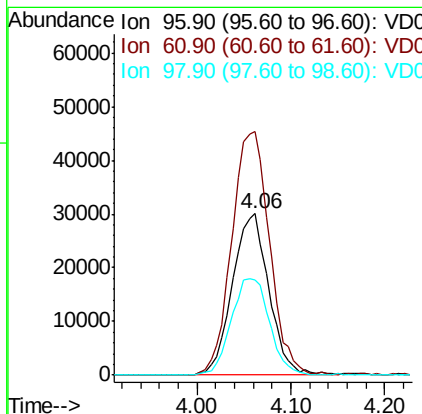
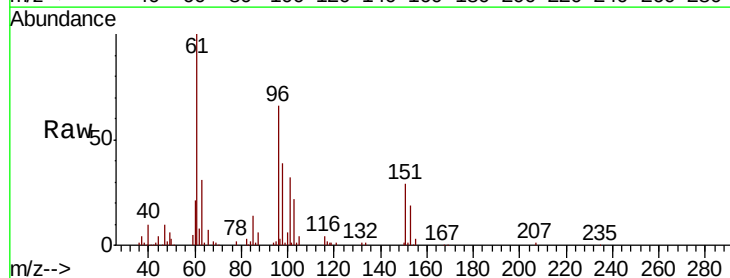
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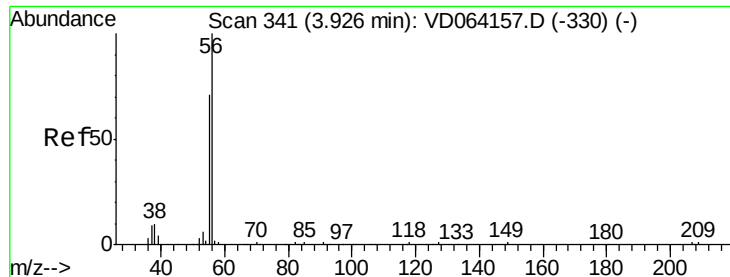


#12

1,1-Dichloroethene
Concen: 19.893 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.7	127.4	191.2
98	58.5	48.1	72.1





#13

Acrolein

Concen: 55.755 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 56 Resp: 13165

Ion Ratio Lower Upper

56 100

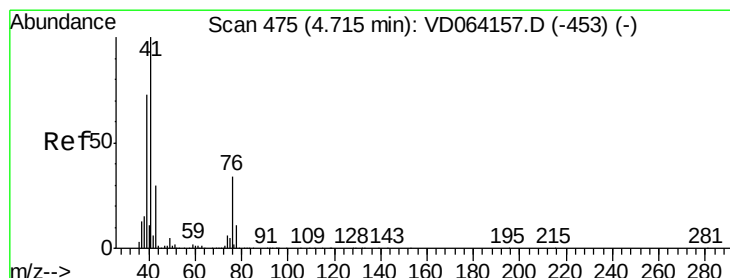
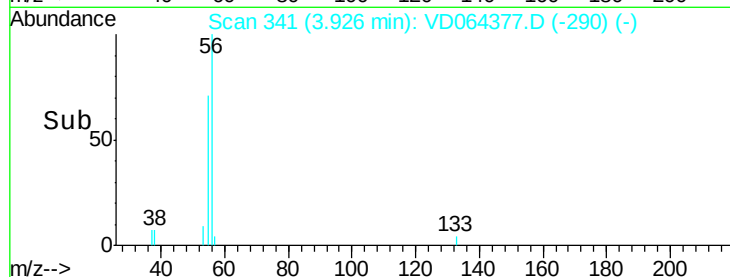
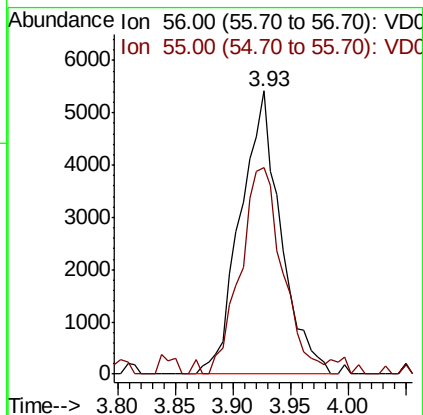
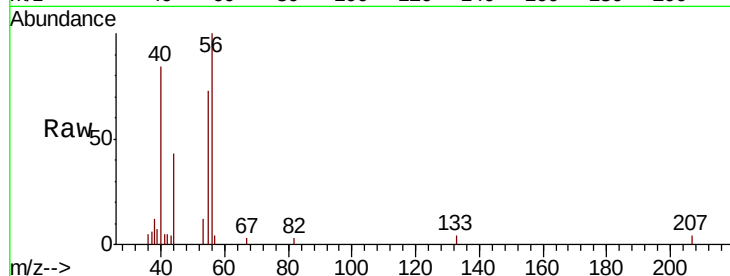
55 76.4 56.1 84.1

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#14

Allyl chloride

Concen: 17.870 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

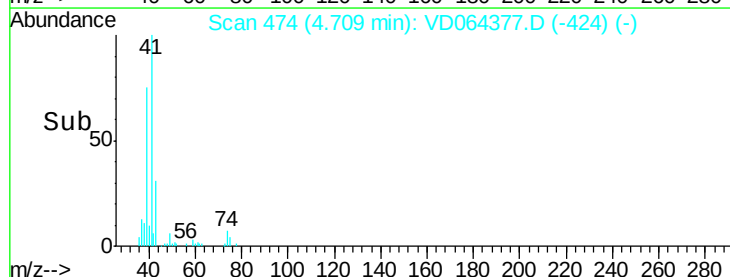
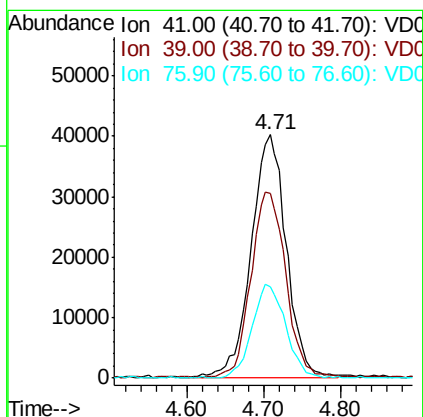
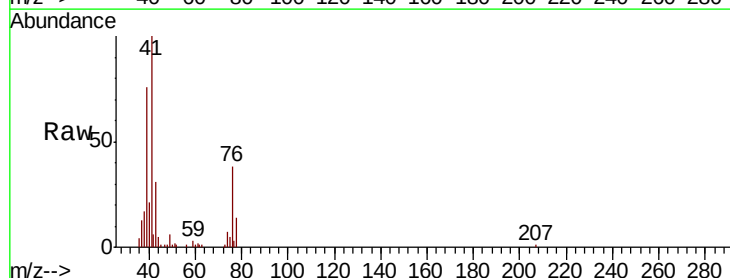
Tgt Ion: 41 Resp: 128997

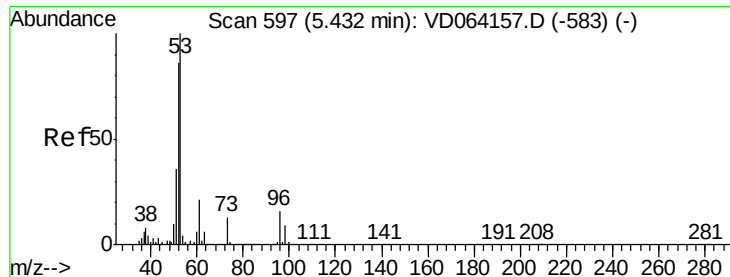
Ion Ratio Lower Upper

41 100

39 76.1 57.5 86.3

76 36.6 26.8 40.2





#15

Acrylonitrile

Concen: 96.272 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

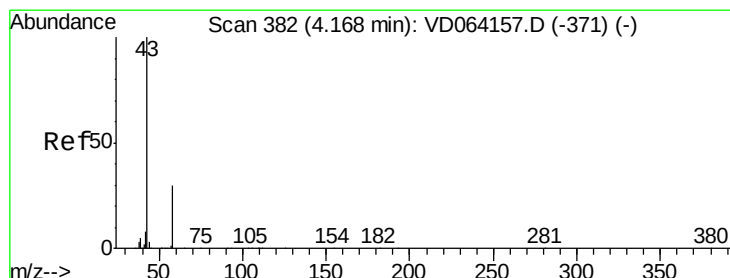
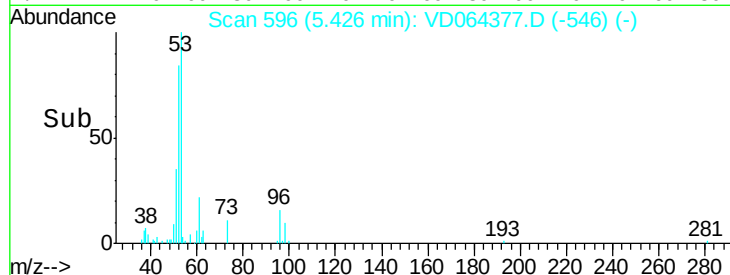
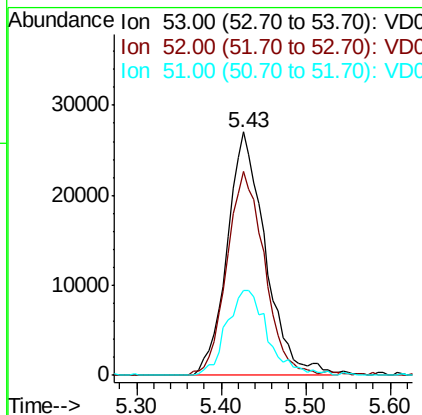
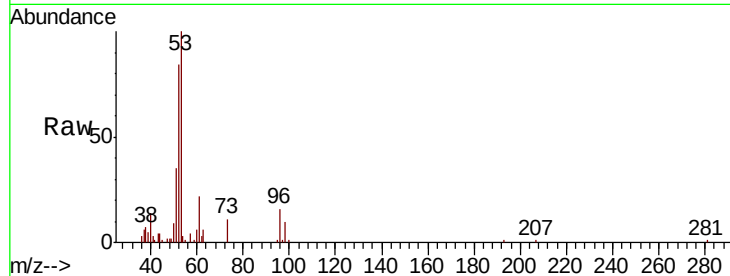
ClientSampleId :

VD1126SBS01

Tot Ion:	53	Resp:	84571
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.7	100.1
51	37.6	30.6	46.0

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#16

Acetone

Concen: 82.720 ug/l

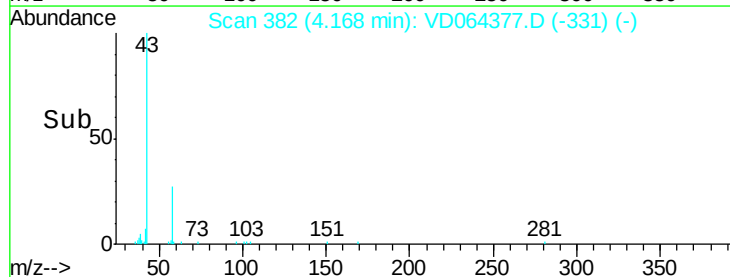
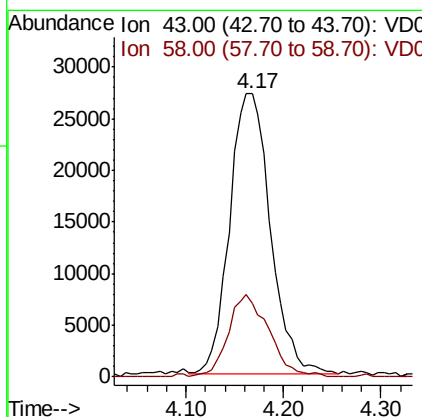
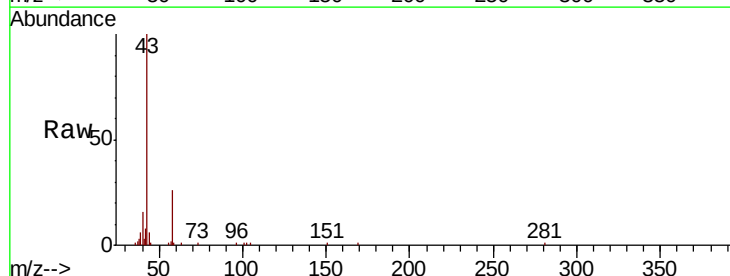
RT: 4.17 min Scan# 382

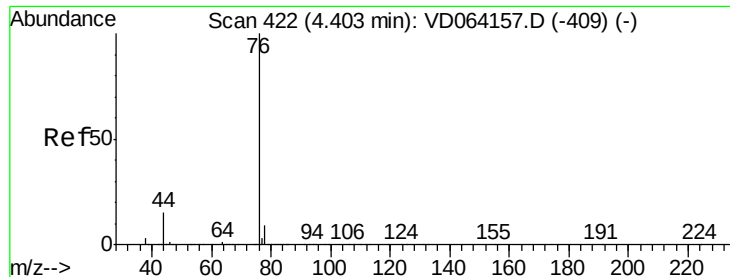
Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Tgt Ion:	43	Resp:	78310
Ion	Ratio	Lower	Upper
43	100		
58	26.4	24.1	36.1





#17

Carbon Disulfide

Concen: 17.666 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 76 Resp: 224617

Ion Ratio Lower Upper

76 100

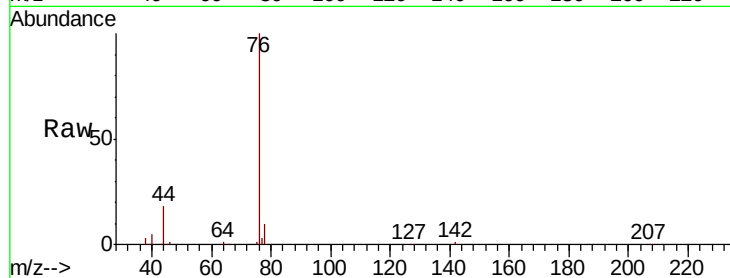
78 9.6 7.2 10.8

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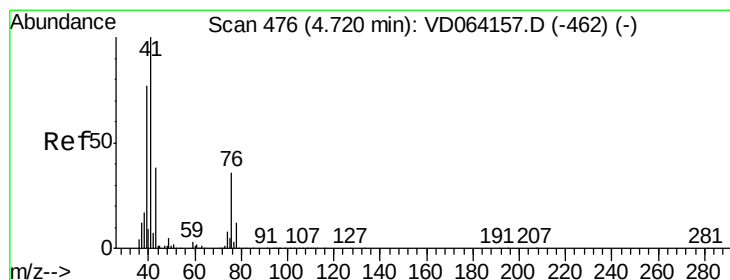
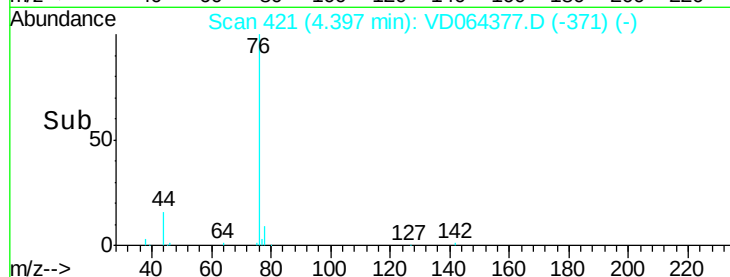
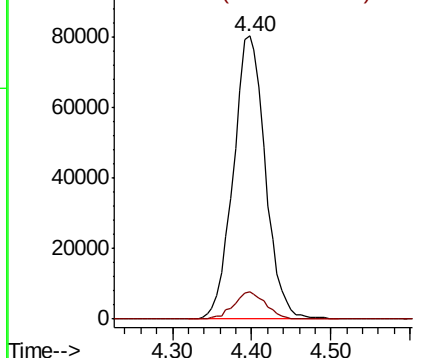
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.357 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064377.D

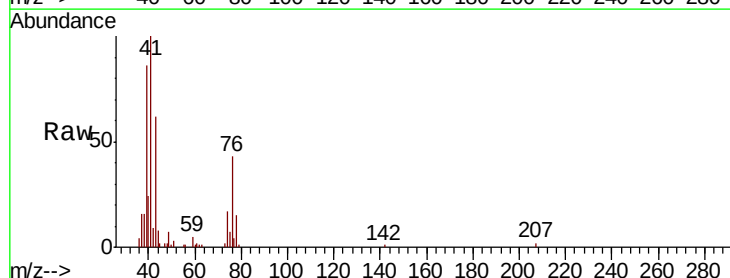
Acq: 26 Nov 2019 11:56

Tgt Ion: 43 Resp: 48538

Ion Ratio Lower Upper

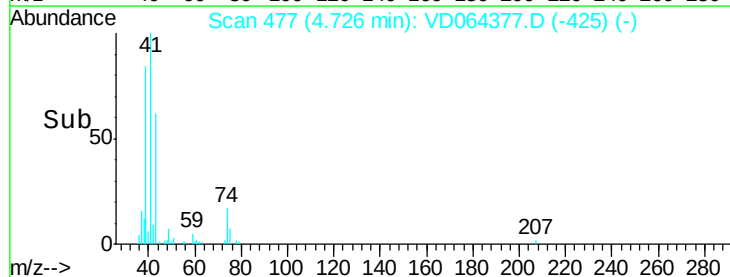
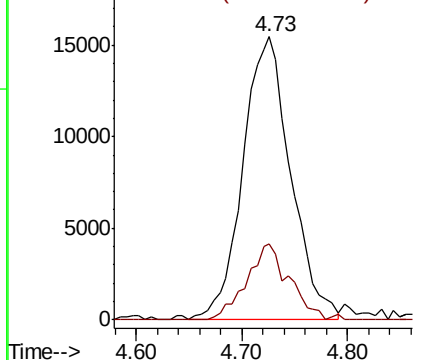
43 100

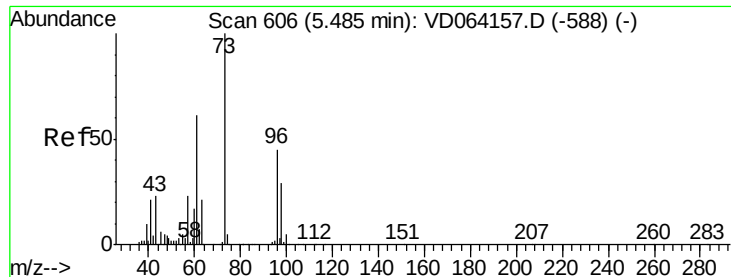
74 23.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





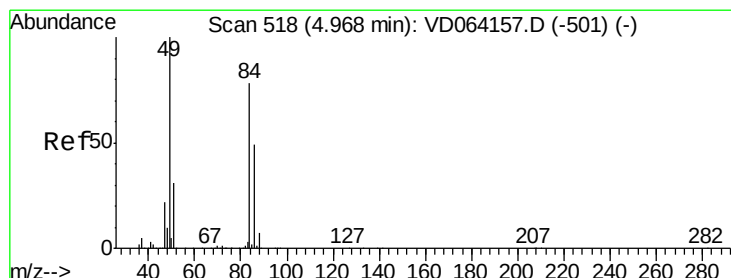
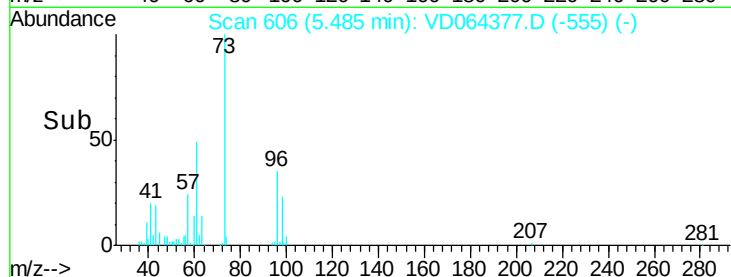
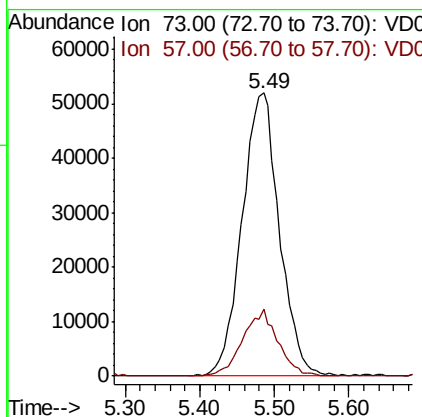
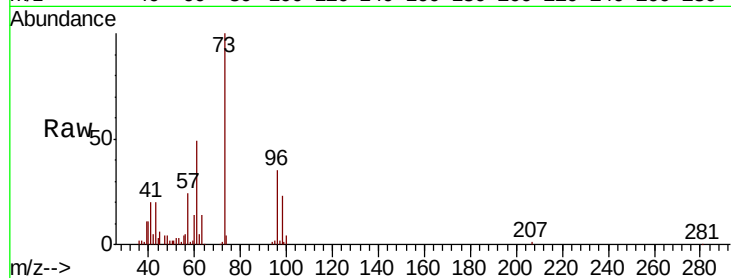
#19
Methyl tert-butyl Ether
Concen: 18.538 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion: 73 Resp: 180685
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6

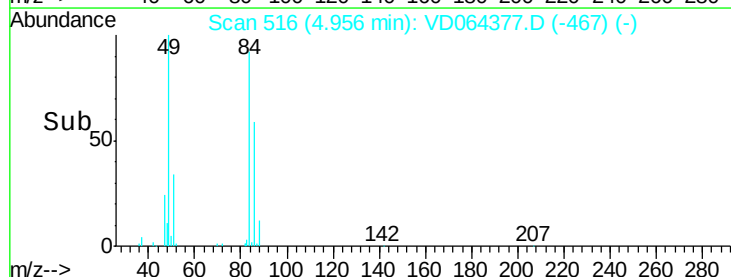
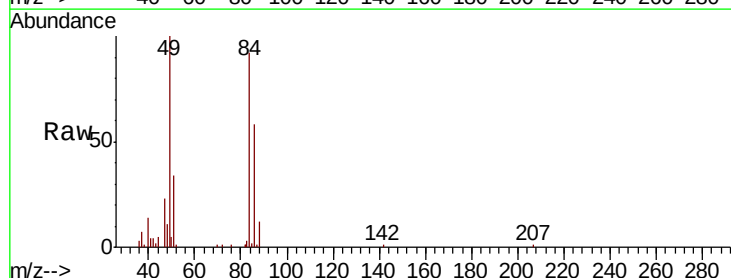
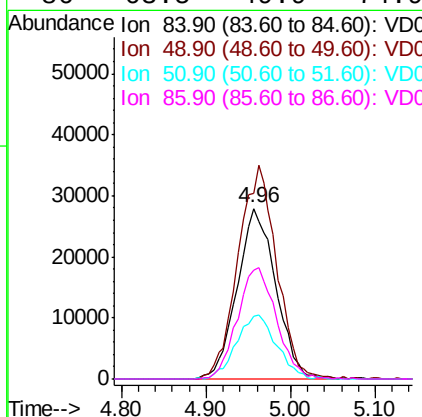
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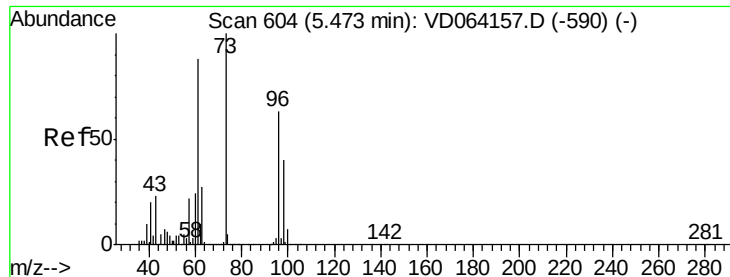
apatel
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#20
Methylene Chloride
Concen: 18.520 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion: 84 Resp: 88565
Ion Ratio Lower Upper
84 100
49 109.0 102.1 153.1
51 37.0 32.2 48.2
86 63.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.806 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 96 Resp: 91615

Ion Ratio Lower Upper

96 100

61 127.5 111.8 167.6

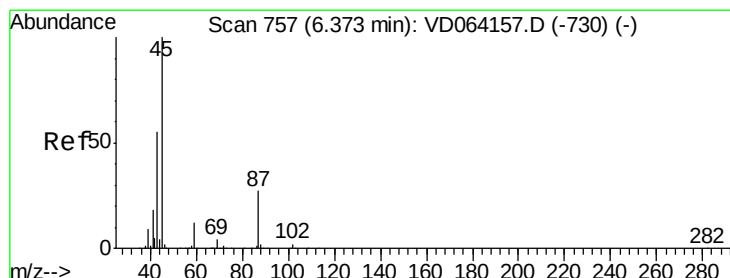
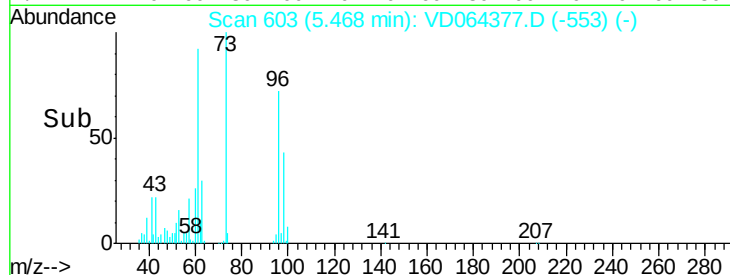
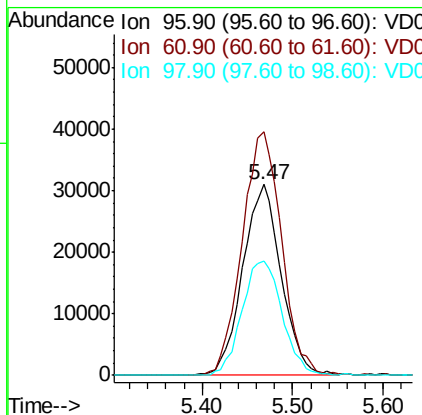
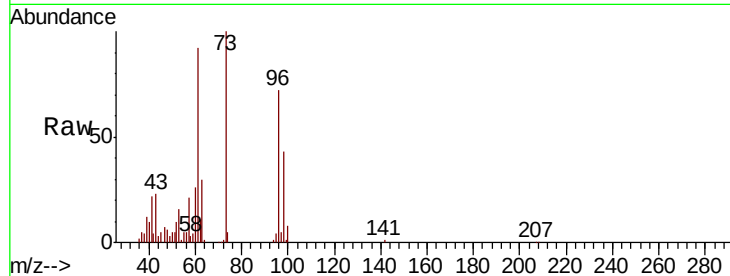
98 59.7 50.3 75.5

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#22

Diisopropyl ether

Concen: 18.546 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Tgt Ion: 45 Resp: 248400

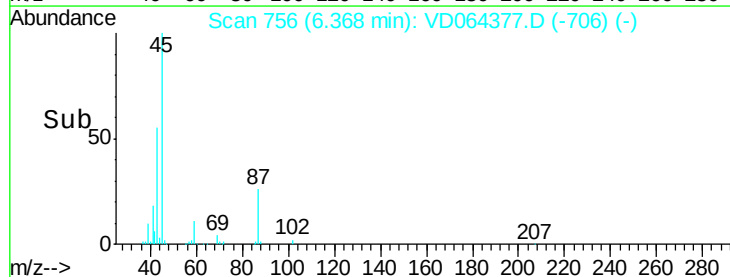
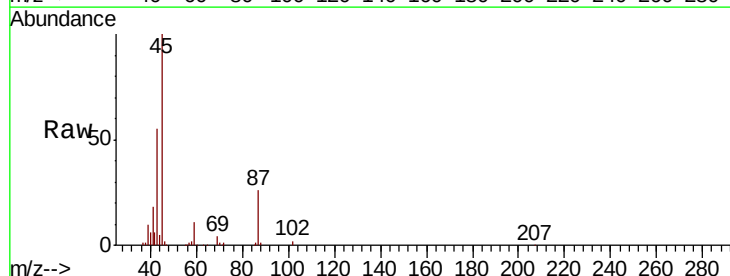
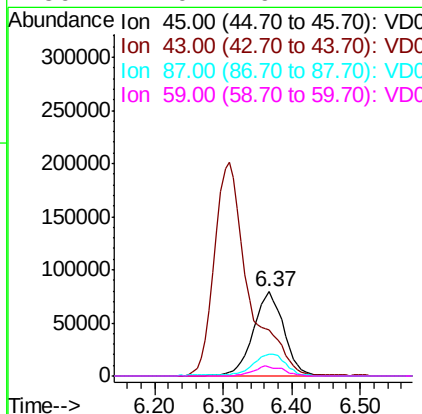
Ion Ratio Lower Upper

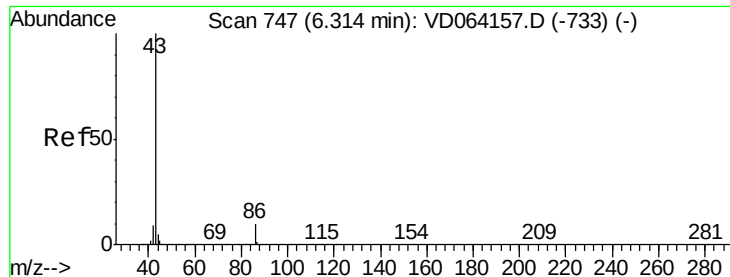
45 100

43 53.1 44.4 66.6

87 25.4 21.9 32.9

59 11.0 9.4 14.2





#23

Vinyl Acetate

Concen: 92.984 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 43 Resp: 694224

Ion Ratio Lower Upper

43 100

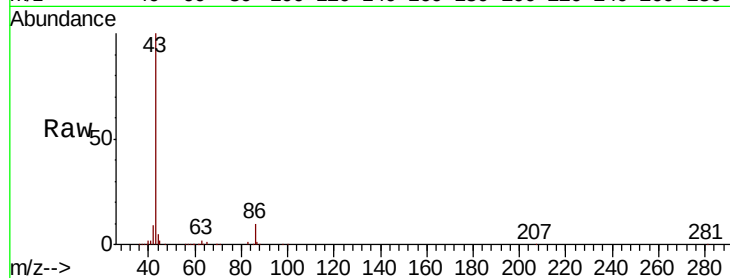
86 10.4 8.2 12.2

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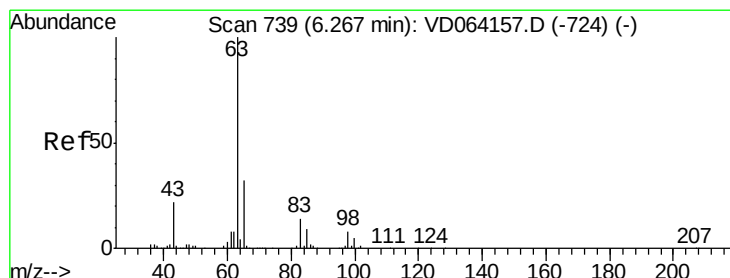
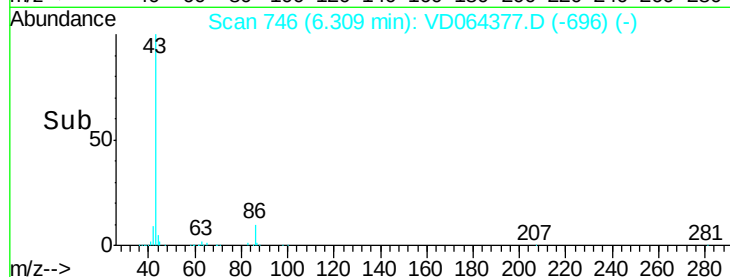
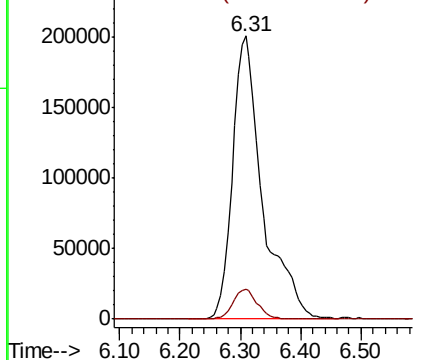
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.887 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

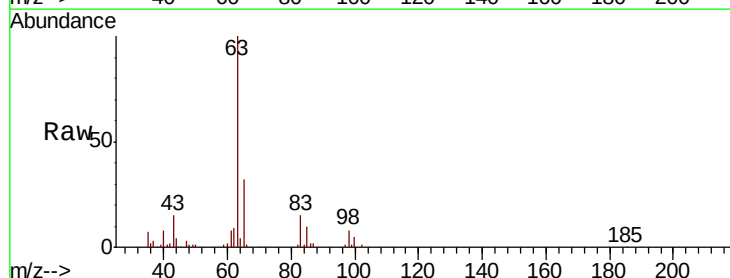
Tgt Ion: 63 Resp: 154656

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

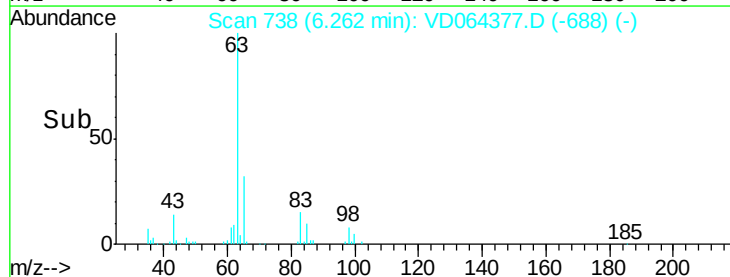
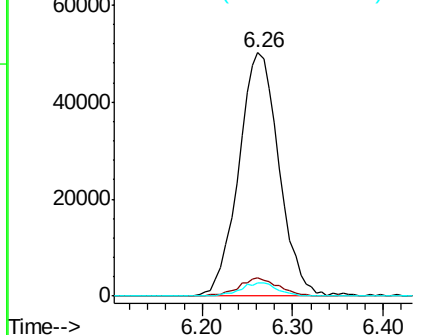
100 5.3 2.4 7.2

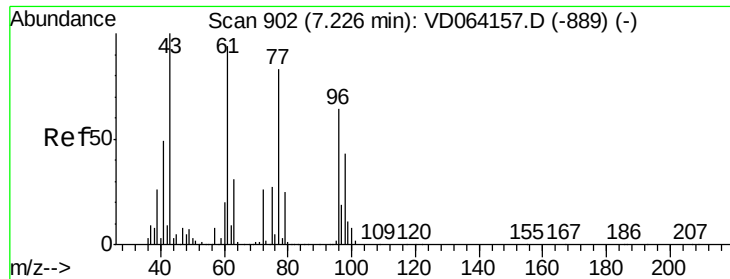


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 89.978 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 43 Resp: 110049

Ion Ratio Lower Upper

43 100

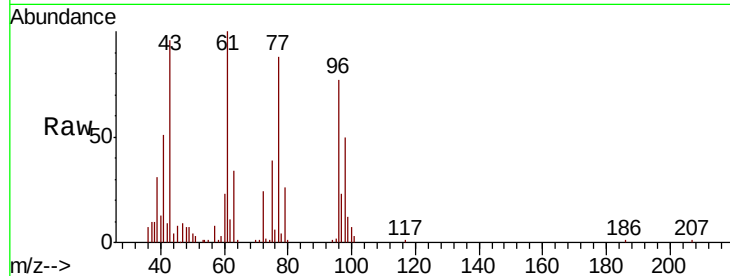
72 25.5 20.6 30.8

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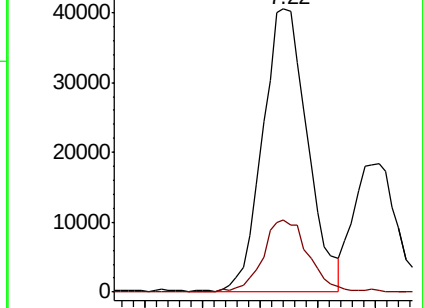
apatel

11/27/2019 5:14:01 PM

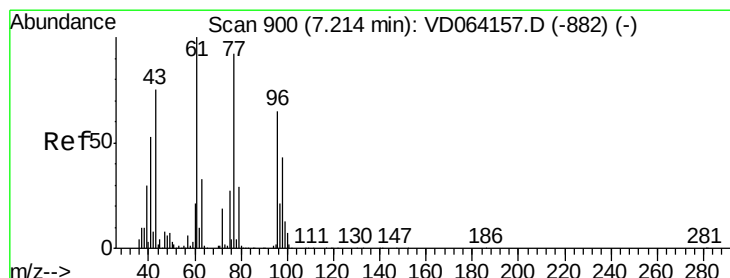
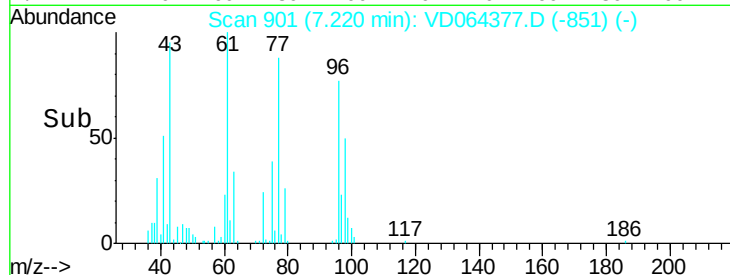


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 18.662 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064377.D

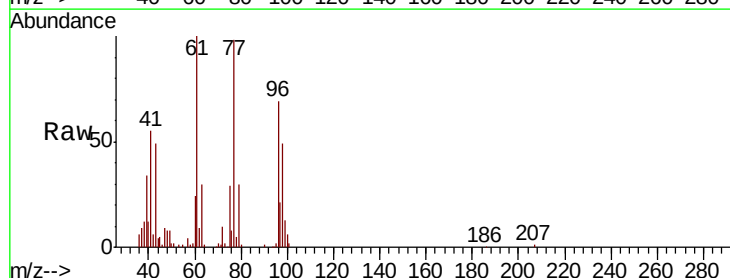
Acq: 26 Nov 2019 11:56

Tgt Ion: 77 Resp: 142331

Ion Ratio Lower Upper

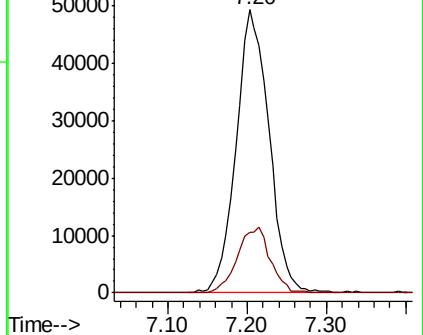
77 100

97 23.0 11.1 33.3

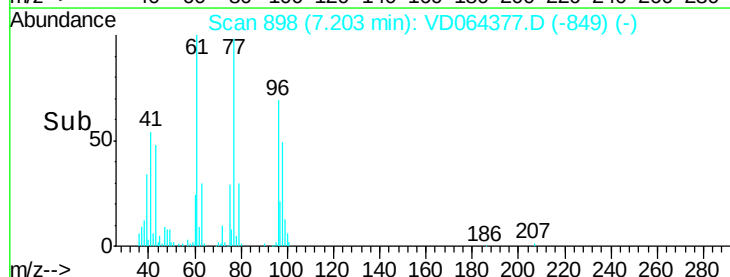


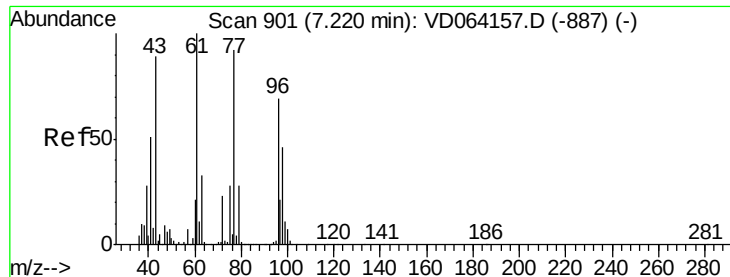
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





#27

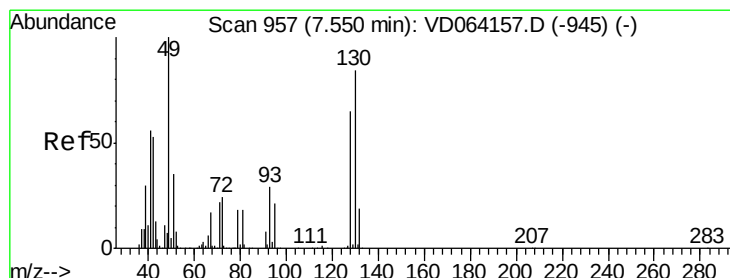
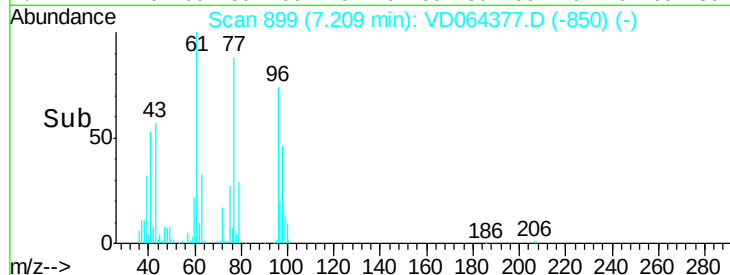
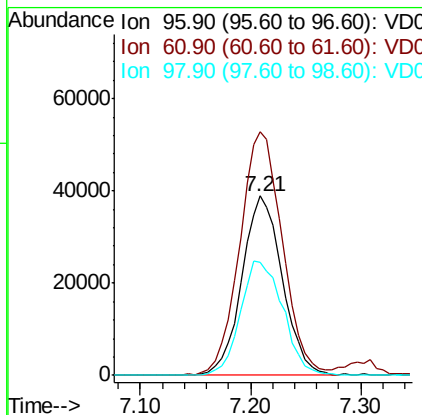
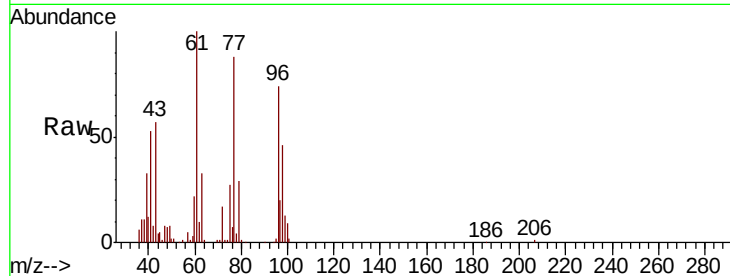
cis-1,2-Dichloroethene
Concen: 20.144 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	301.4
98	66.9	0.0	133.2

Manual Integrations
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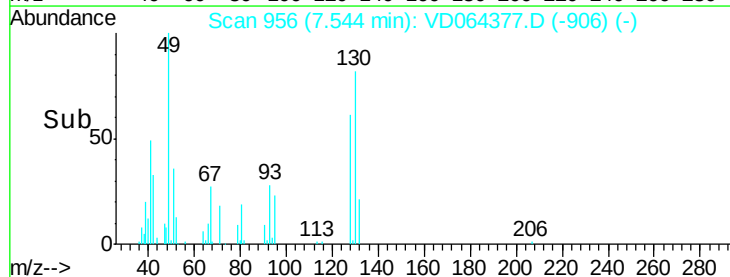
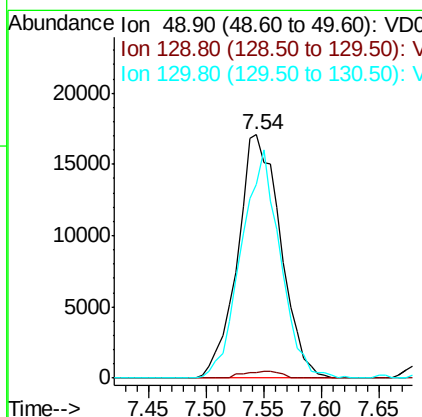
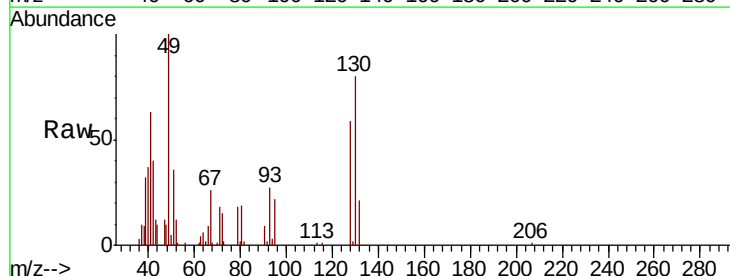
apatel
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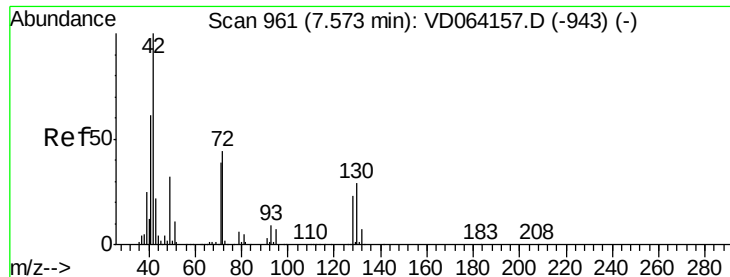


#28

Bromochloromethane
Concen: 16.344 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	84.9	66.8	100.2





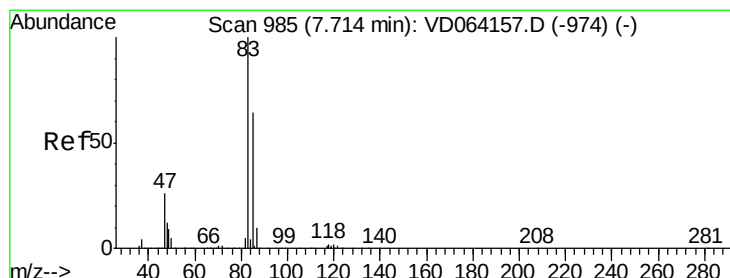
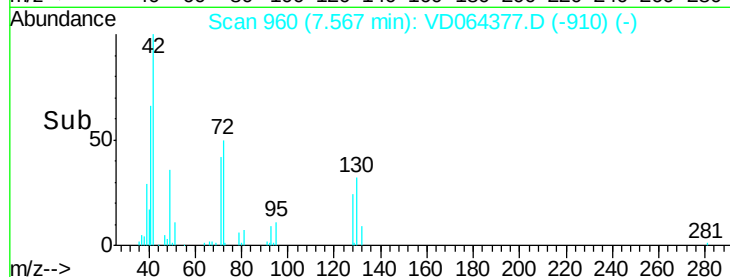
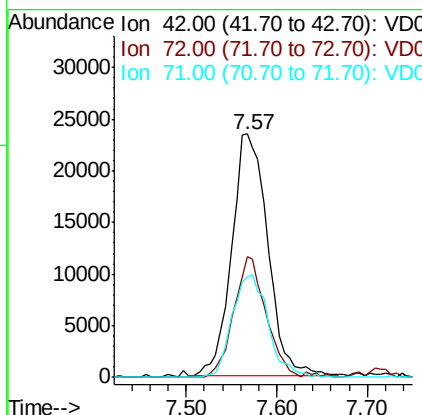
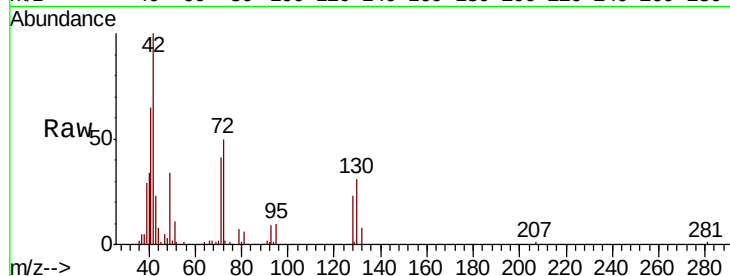
#29
Tetrahydrofuran
Concen: 87.707 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	33.4	50.2
71	42.4	31.0	46.4

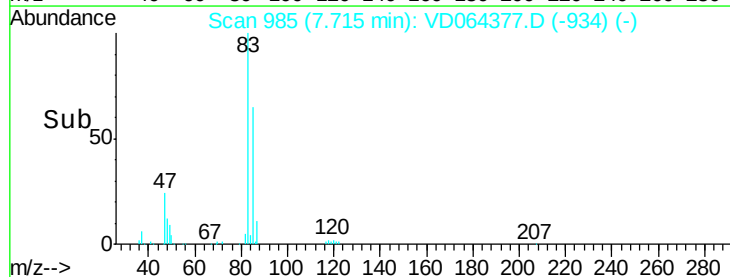
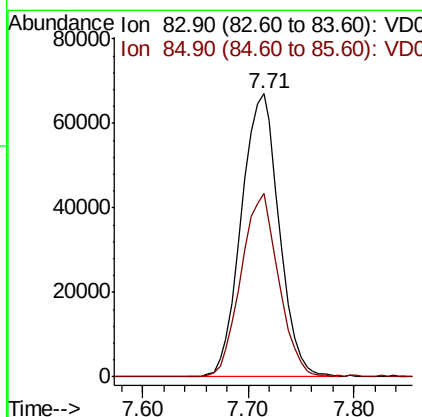
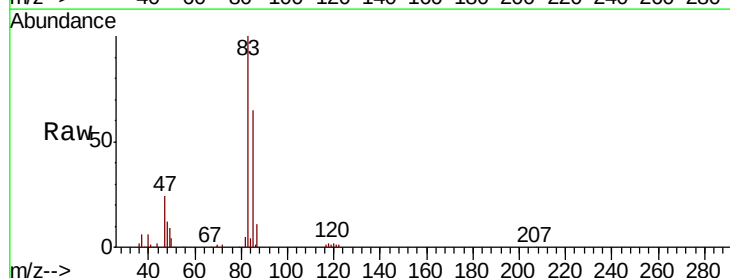
Manual Integrations
APPROVED

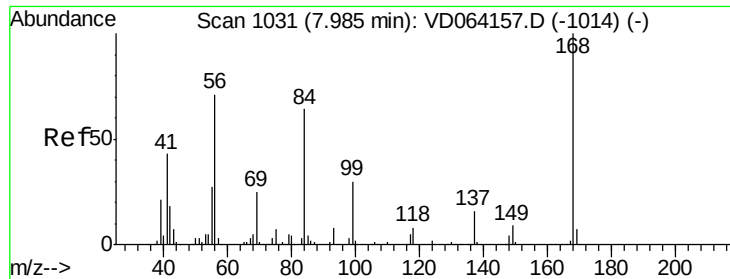
apatel
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#30
Chloroform
Concen: 20.952 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0





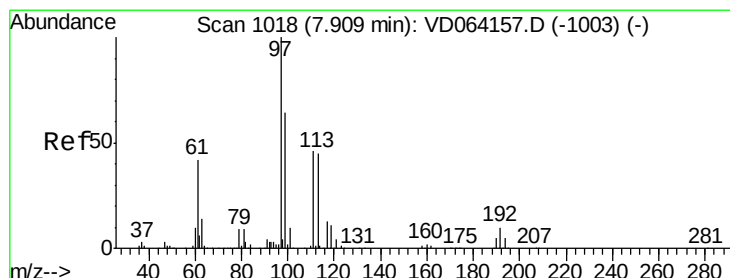
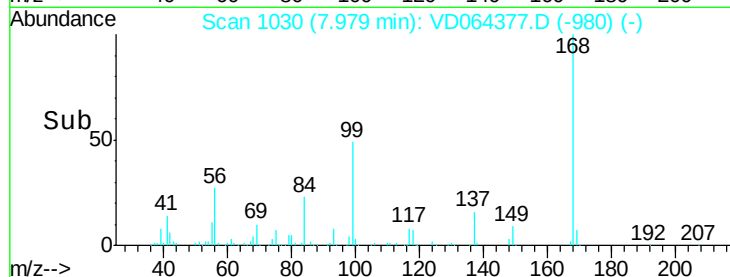
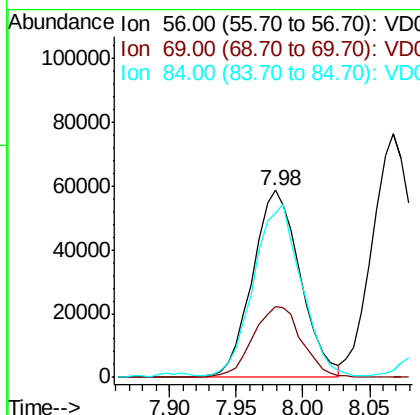
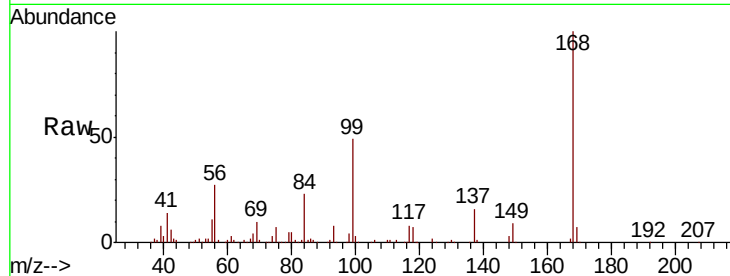
#31
Cyclohexane
Concen: 18.570 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	28.2	42.4
84	86.5	71.8	107.6

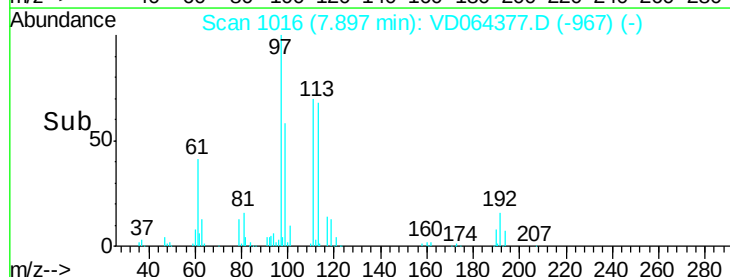
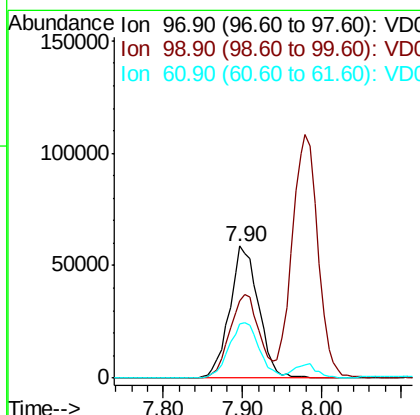
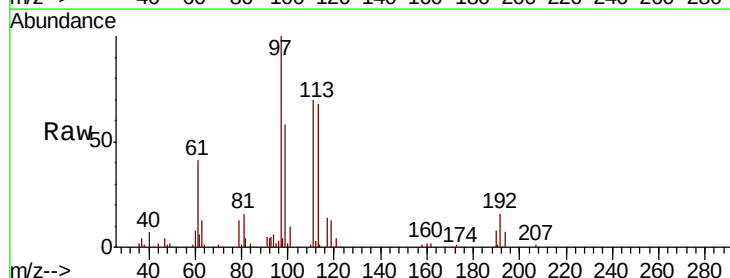
Manual Integrations
APPROVED

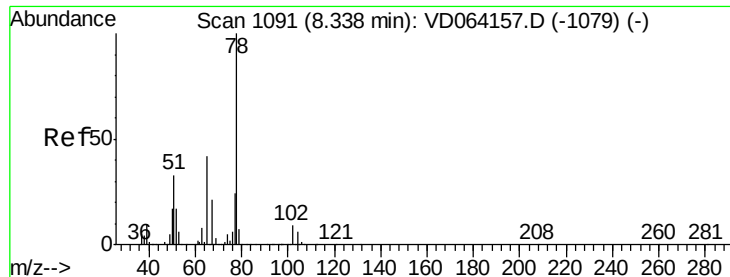
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11/27/2019 5:14:01 PM



#32
1,1,1-Trichloroethane
Concen: 19.484 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	43.9	34.2	51.2





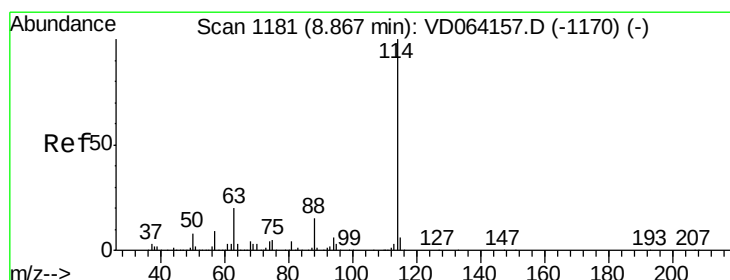
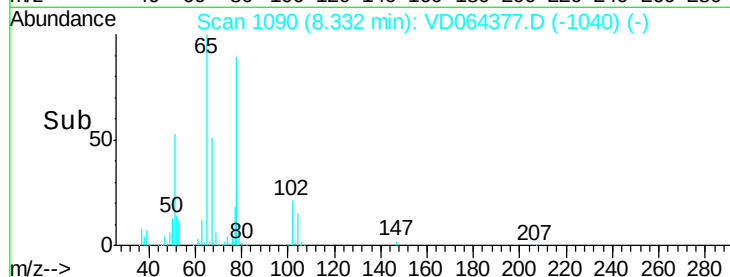
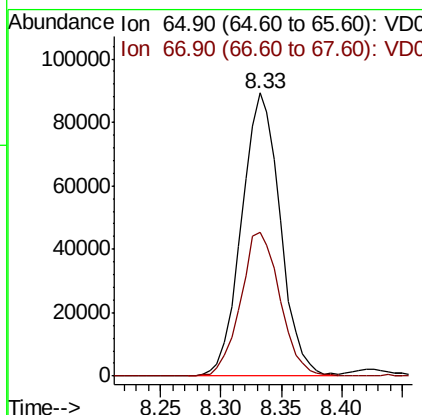
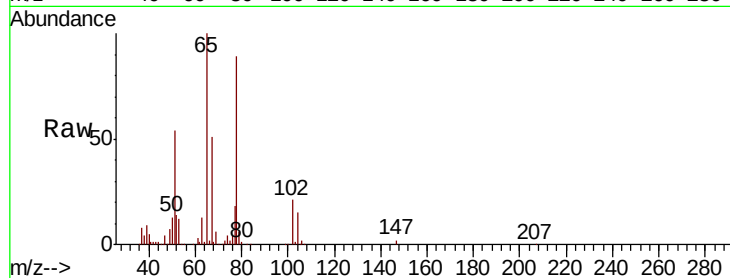
#33
 1,2-Dichloroethane-d4
 Concen: 49.617 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198276		
67	52.0	0.0	104.4	

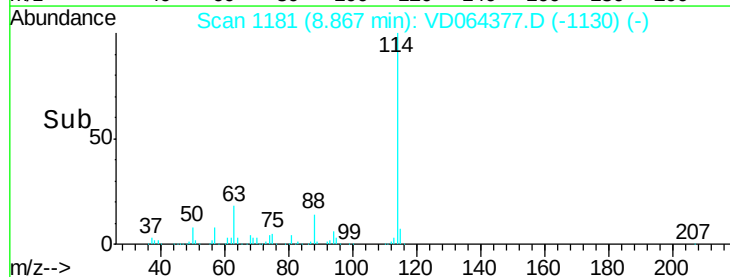
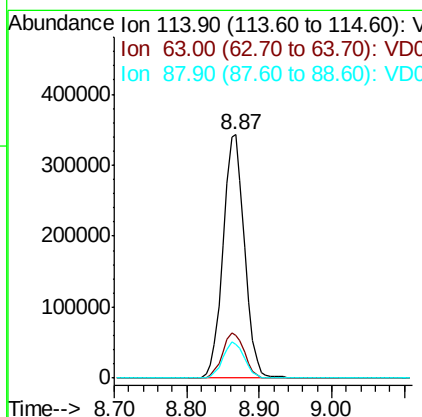
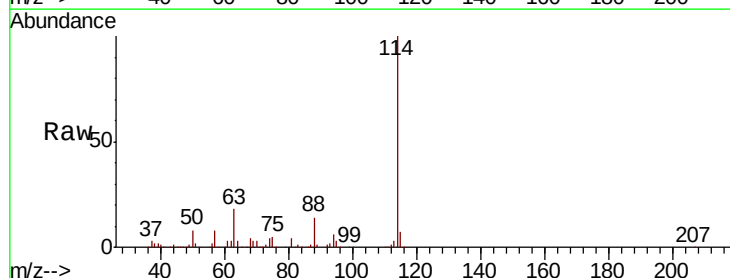
Manual Integrations
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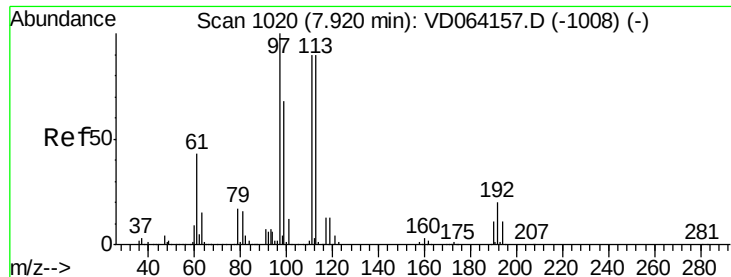
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	703215		
63	17.7	0.0	40.0	
88	13.8	0.0	30.2	





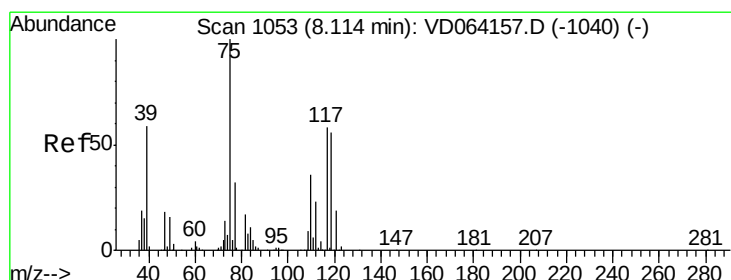
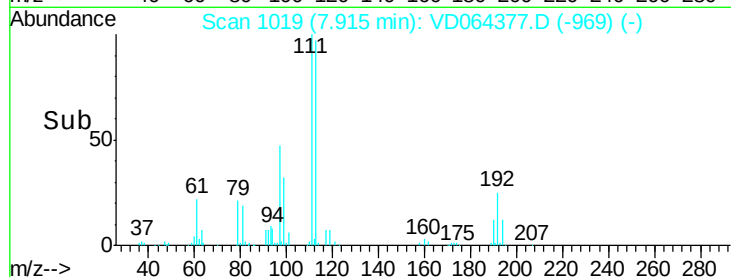
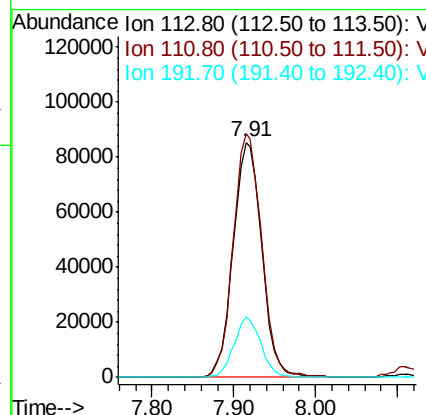
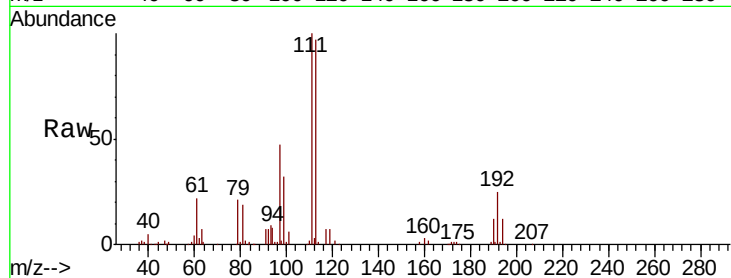
#35
 Dibromofluoromethane
 Concen: 51.404 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.5	122.3
192	24.1	18.8	28.2

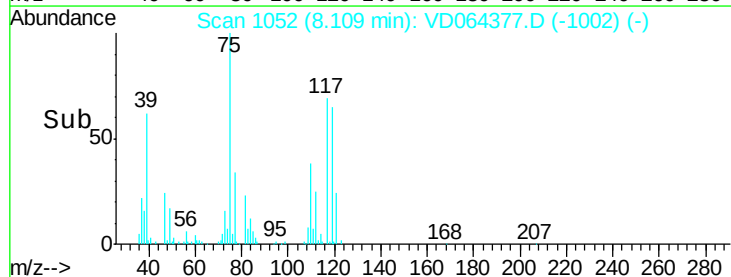
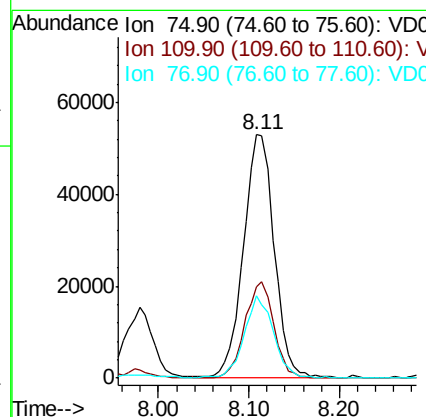
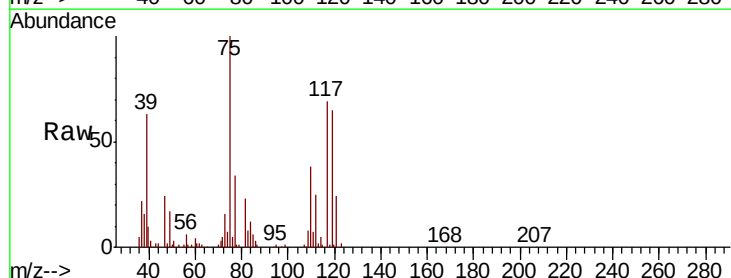
Manual Integrations
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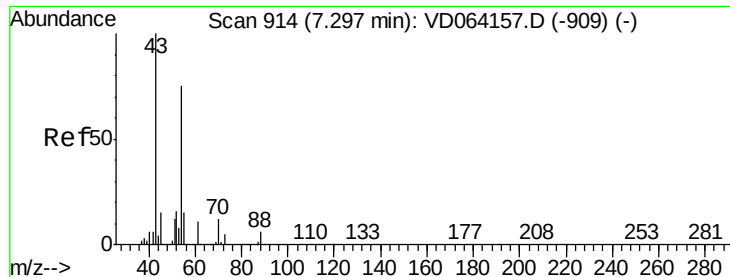
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#36
 1,1-Dichloropropene
 Concen: 19.119 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.3	54.9
77	32.6	25.0	37.6





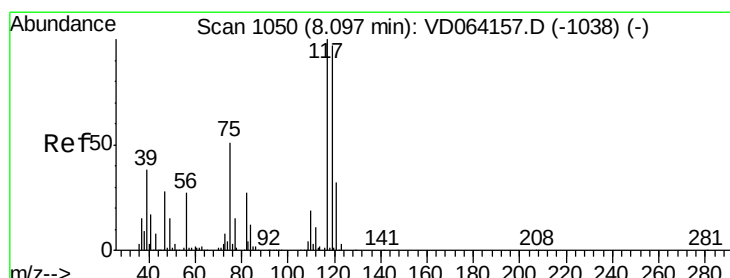
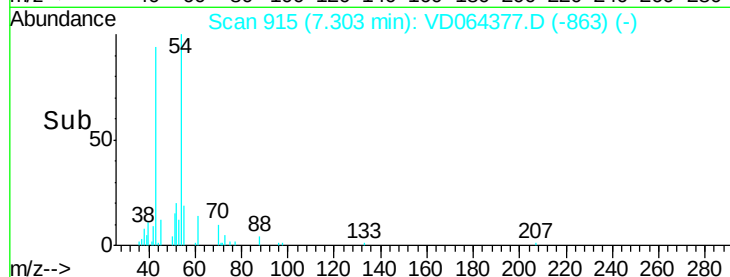
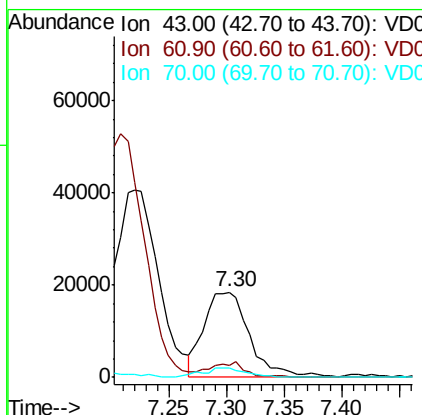
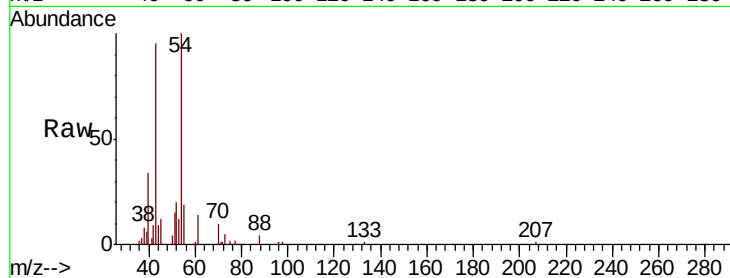
#37
Ethyl Acetate
Concen: 18.125 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.2	15.2
70	10.5	8.5	12.7

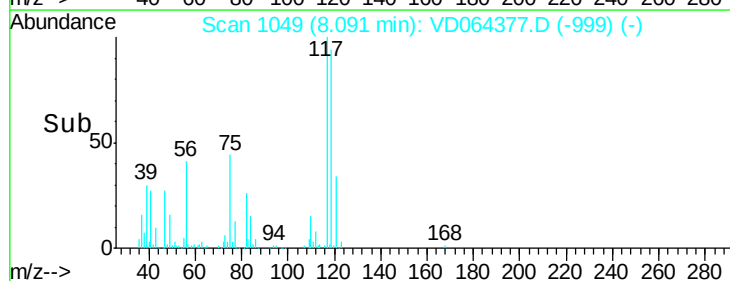
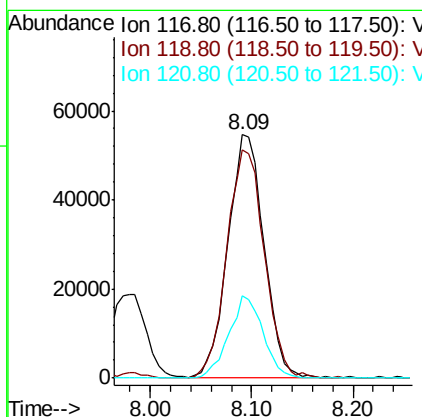
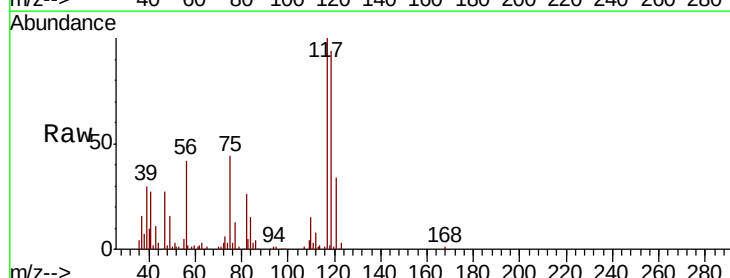
Manual Integrations
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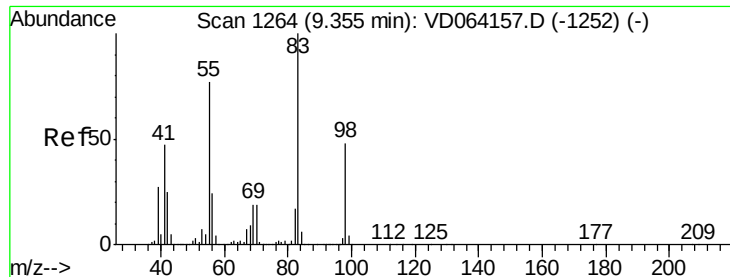
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#38
Carbon Tetrachloride
Concen: 19.486 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.2	115.8
121	33.9	25.5	38.3





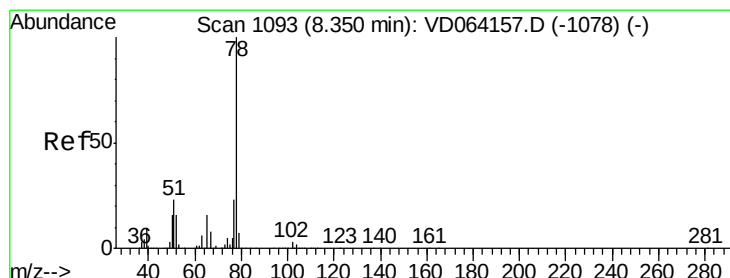
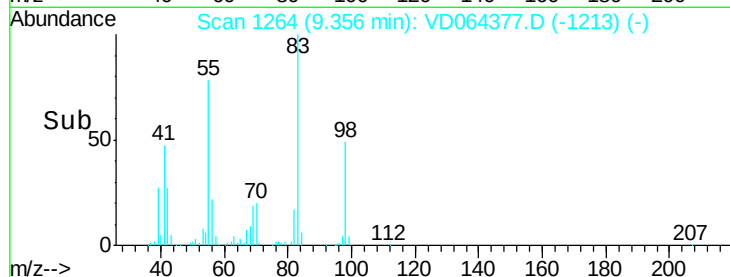
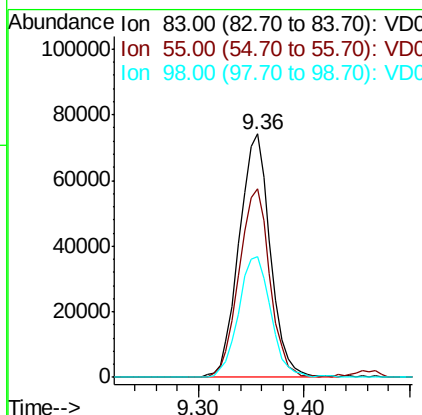
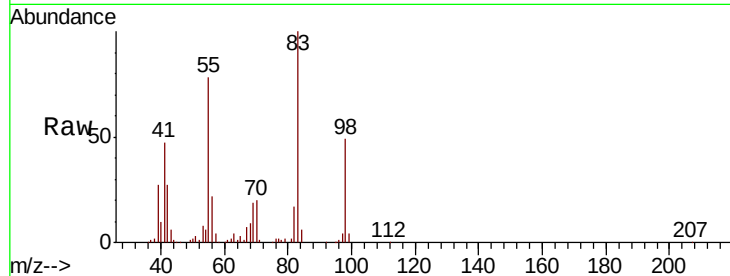
#39
Methylvlcyclohexane
Concen: 18.526 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.7	92.5
98	49.5	38.6	58.0

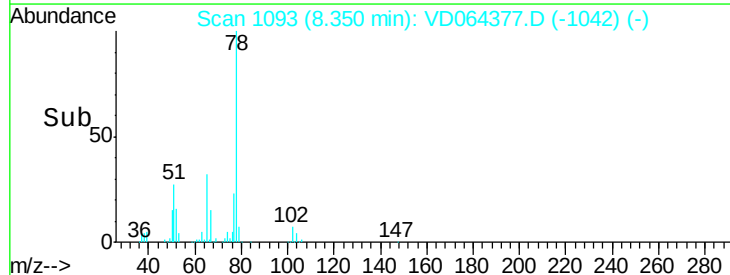
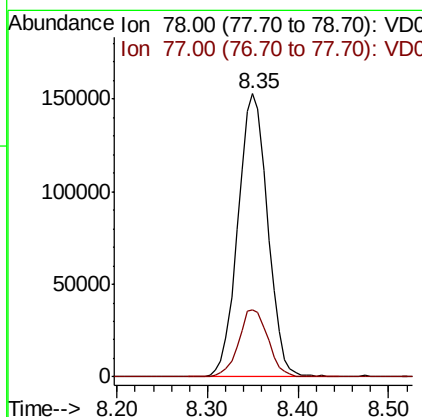
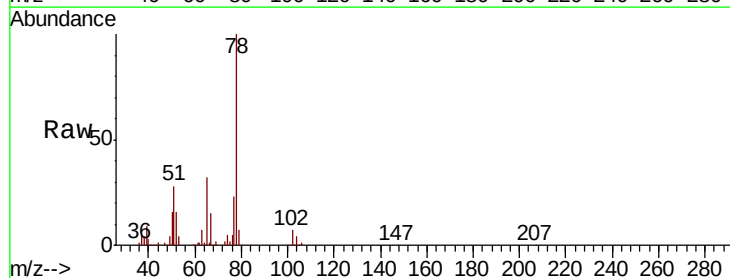
Manual Integrations
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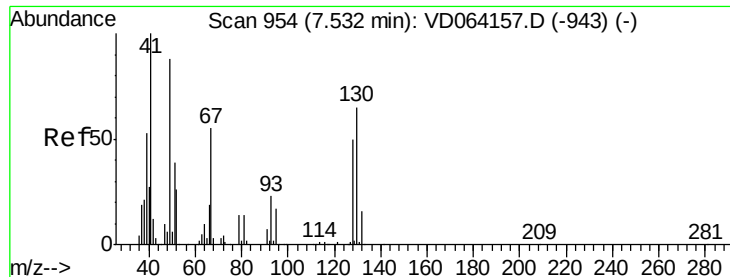
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#40
Benzene
Concen: 19.645 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





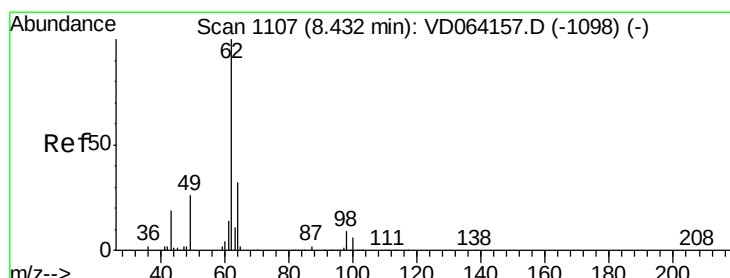
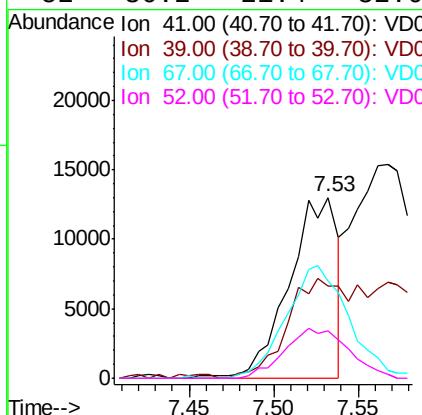
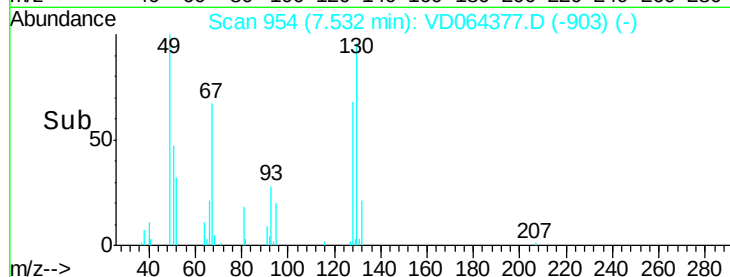
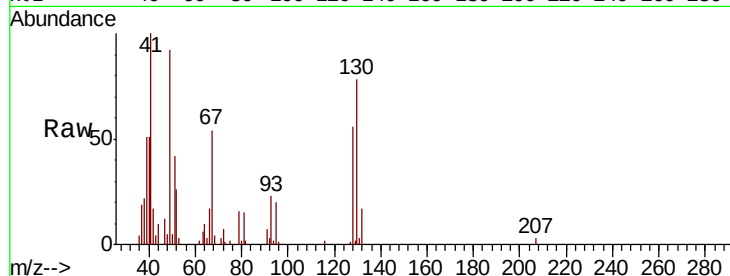
#41
Methacrylonitrile
Concen: 15.131 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.0	49.4	74.2	
67	80.0	49.6	74.4#	
52	36.2	21.4	32.0#	

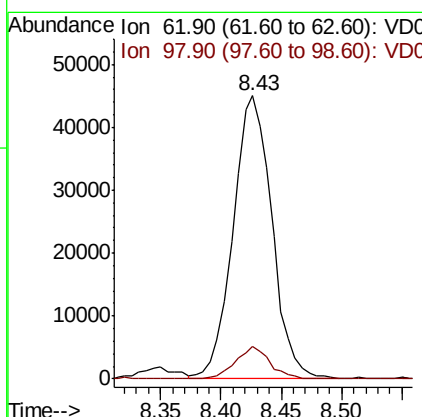
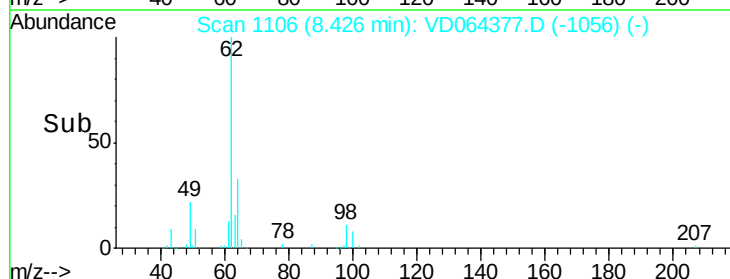
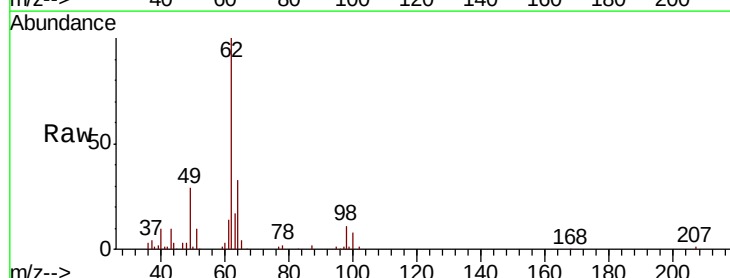
Manual Integrations
APPROVED

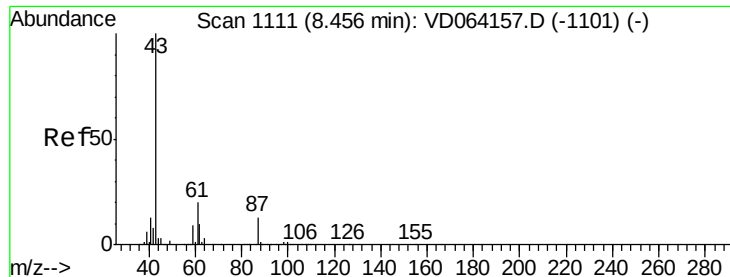
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#42
1,2-Dichloroethane
Concen: 18.978 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.0	





#43

Isopropyl Acetate

Concen: 17.476 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

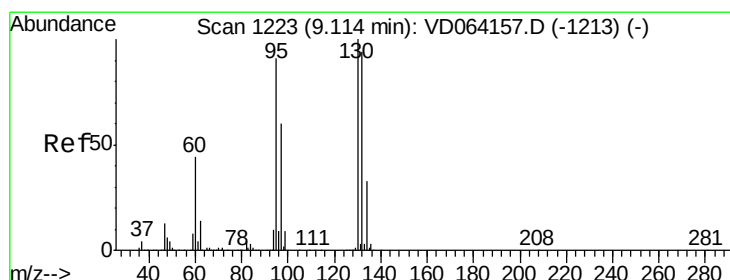
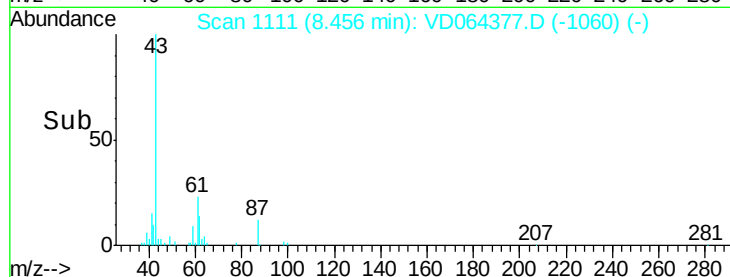
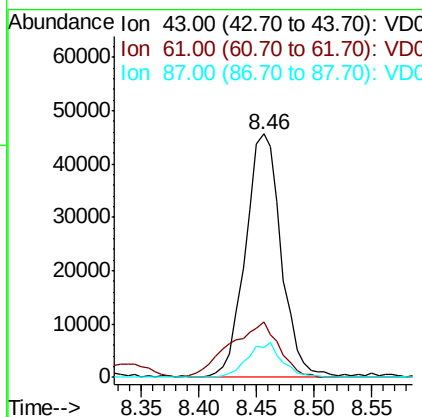
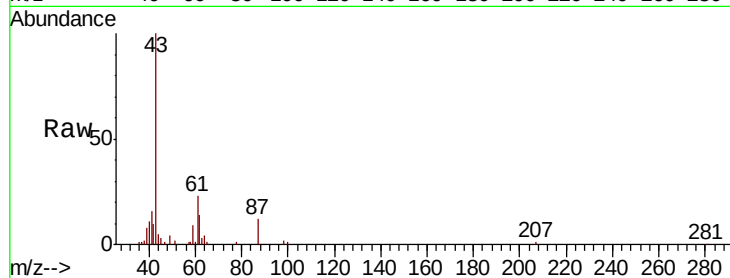
ClientSampleId :

VD1126SBS01

Tot Ion:	43	Resp:	98517
Ion	Ratio	Lower	Upper
43	100		
61	31.1	22.9	34.3
87	13.5	10.2	15.2

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#44

Trichloroethene

Concen: 19.672 ug/l

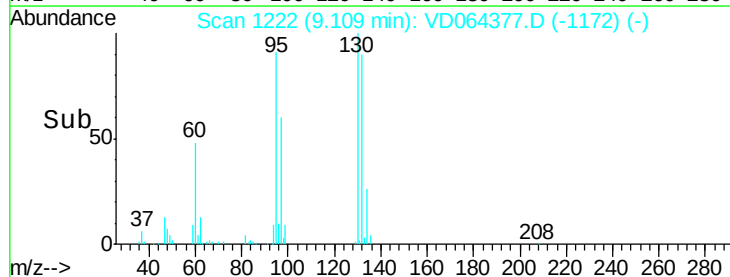
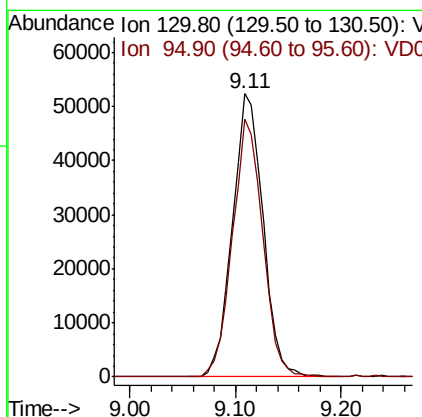
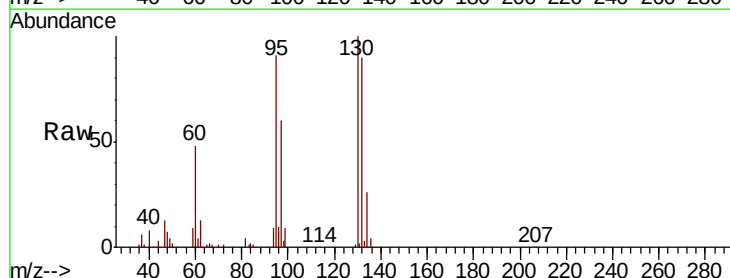
RT: 9.11 min Scan# 1222

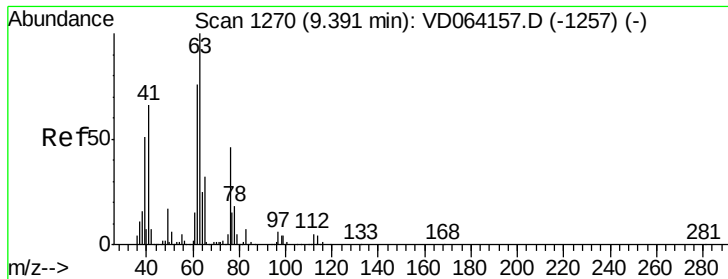
Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Tgt Ion:	130	Resp:	104726
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	181.6





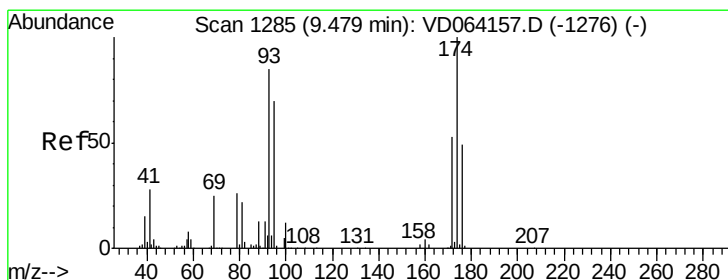
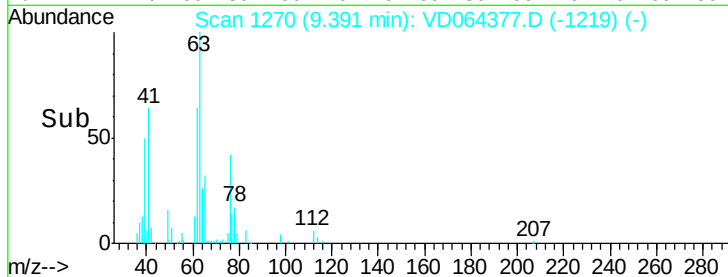
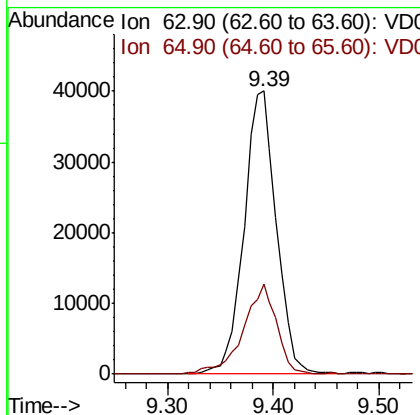
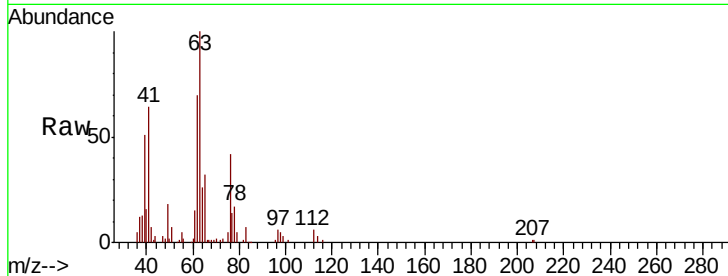
#45
 1,2-Dichloropropane
 Concen: 19.689 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	63	Resp	85002
Ion Ratio	Lower	Upper	
63	100		
65	31.6	25.7	38.5

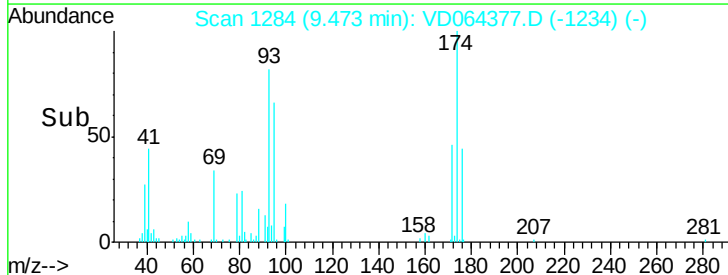
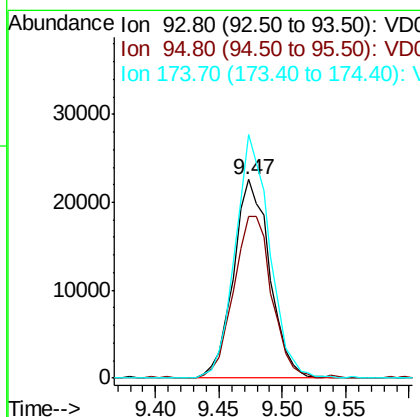
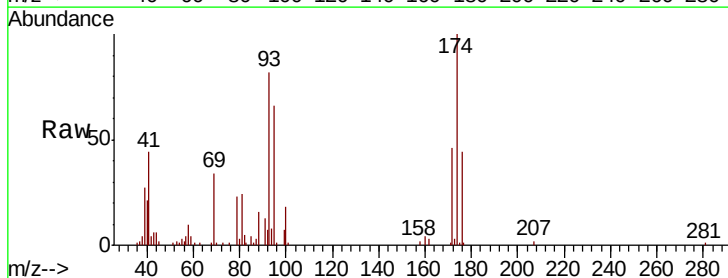
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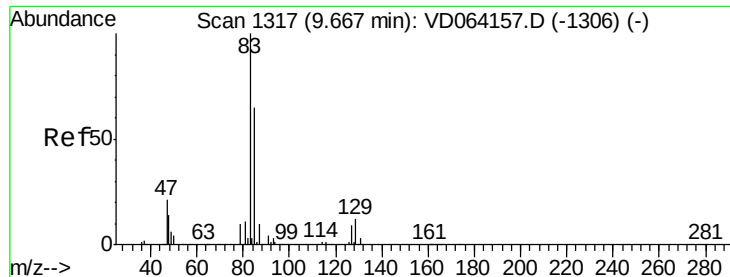
apatel
 11/27/2019 5:14:01 PM



#46
 Dibromomethane
 Concen: 19.354 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Tgt Ion	93	Resp	44733
Ion Ratio	Lower	Upper	
93	100		
95	85.5	65.5	98.3
174	116.6	93.9	140.9





#47

Bromodichloromethane

Concen: 19.468 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

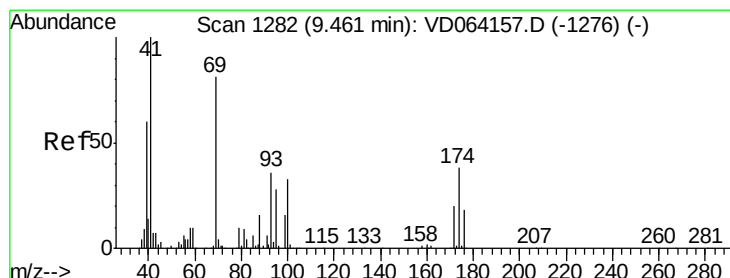
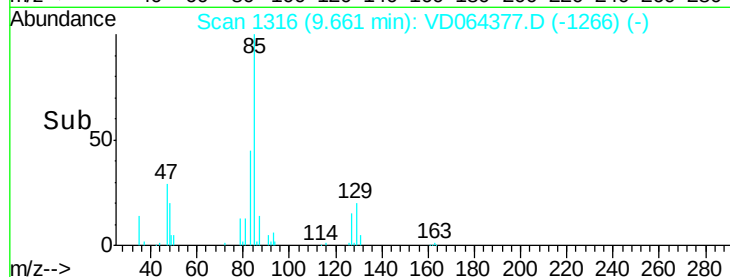
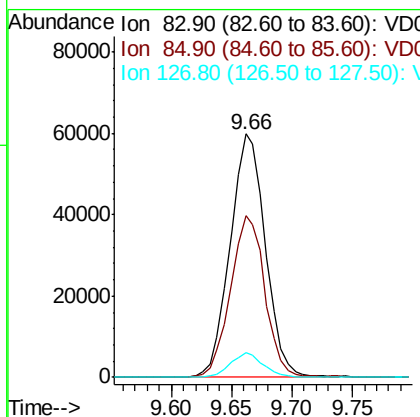
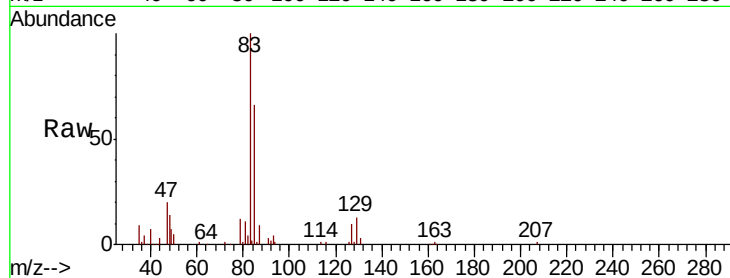
ClientSampleId :

VD1126SBS01

Tot Ion:	83	Resp:	121203
Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4
127	10.0	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.145 ug/l

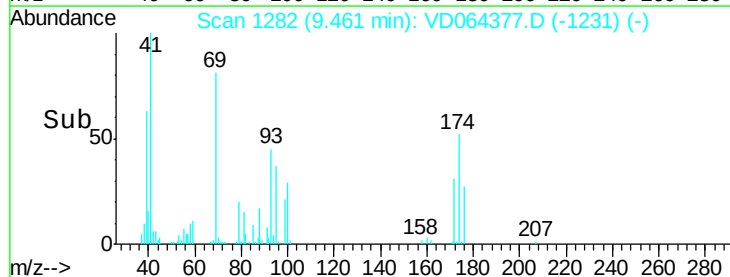
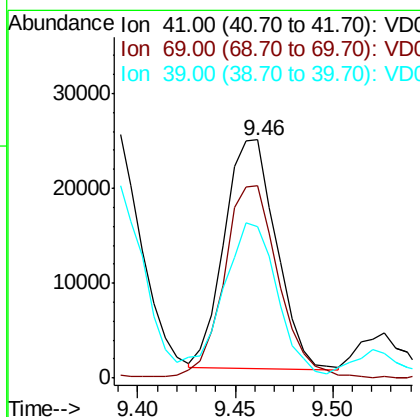
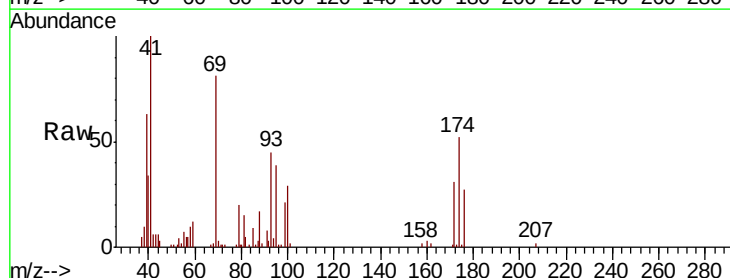
RT: 9.46 min Scan# 1282

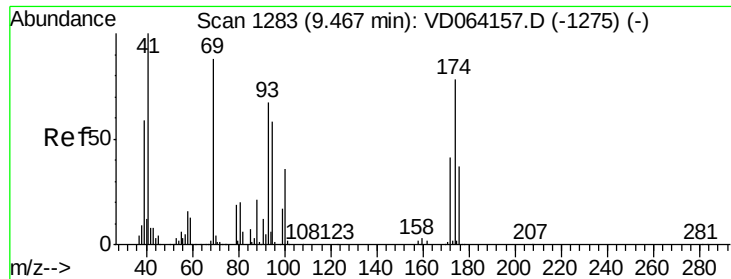
Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Tgt Ion:	41	Resp:	44505
Ion	Ratio	Lower	Upper
41	100		
69	88.7	64.6	97.0
39	67.2	48.2	72.2





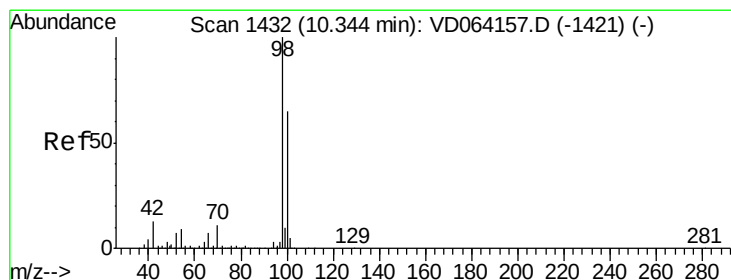
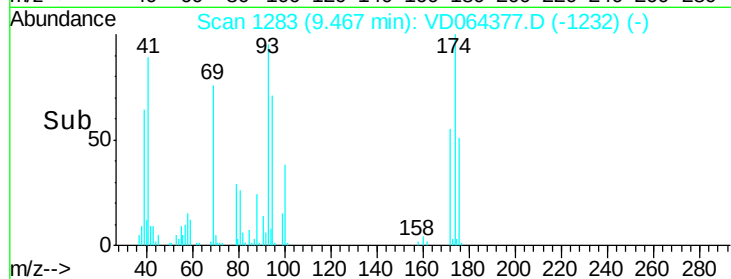
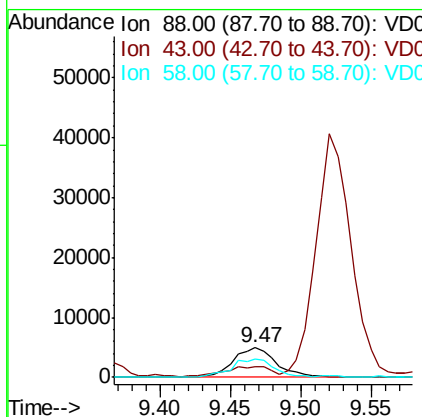
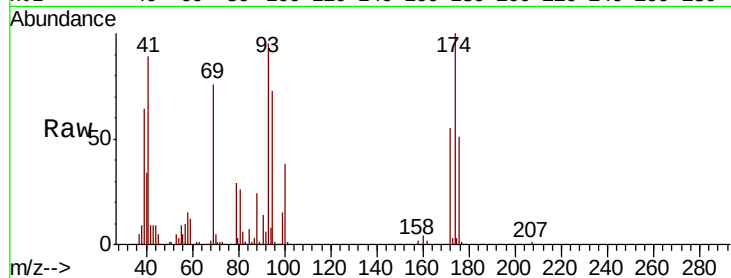
#49
1,4-Dioxane
Concen: 368.538 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	88	Resp	10230
Ion Ratio	Lower	Upper	
88	100		
43	42.3	29.8	44.8
58	64.7	58.1	87.1

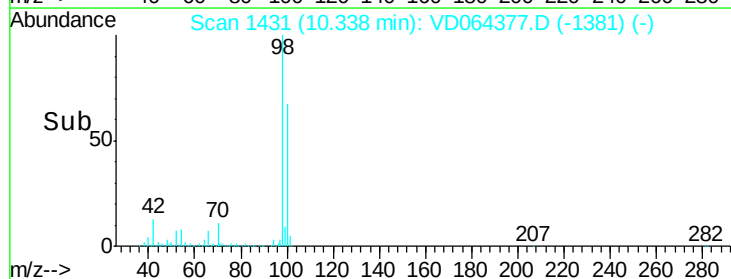
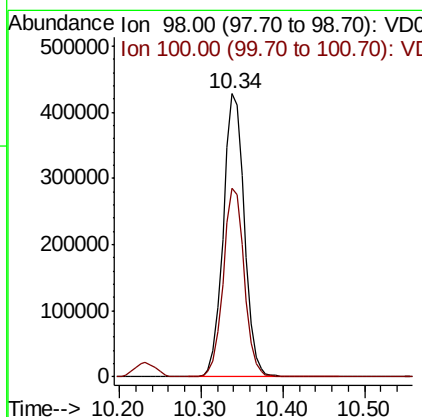
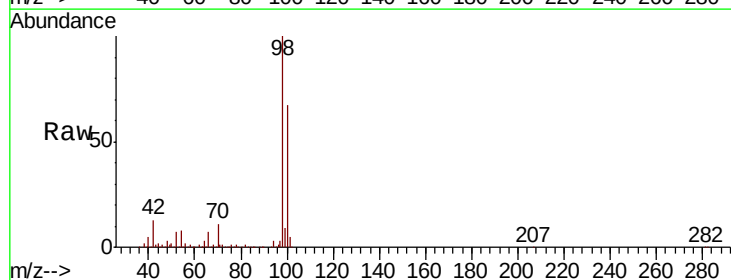
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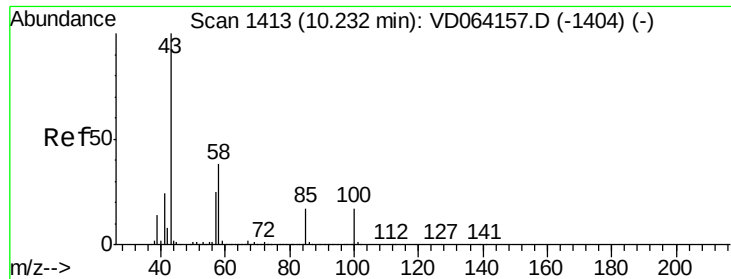
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#50
Toluene-d8
Concen: 50.546 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	98	Resp	769700
Ion Ratio	Lower	Upper	
98	100		
100	66.3	52.6	78.8





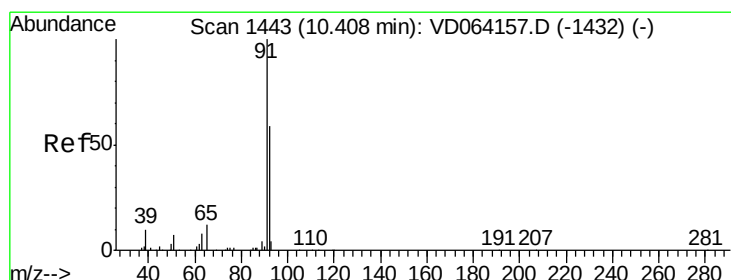
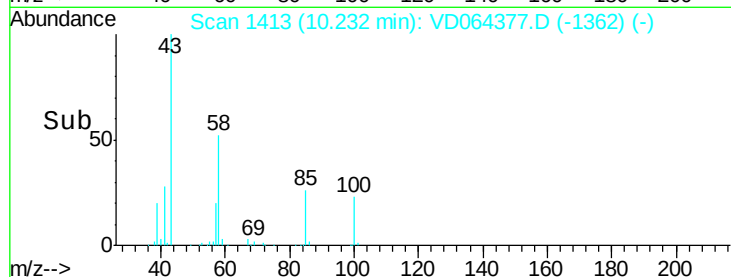
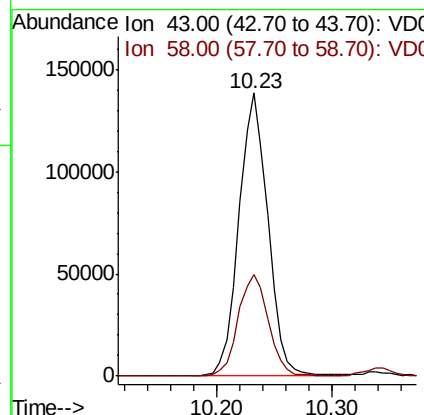
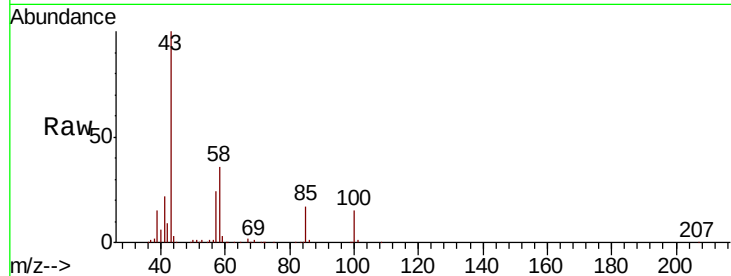
#51
4-Methyl-2-Pentanone
Concen: 89.363 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion: 43 Resp: 241582
Ion Ratio Lower Upper
43 100
58 37.3 30.2 45.4

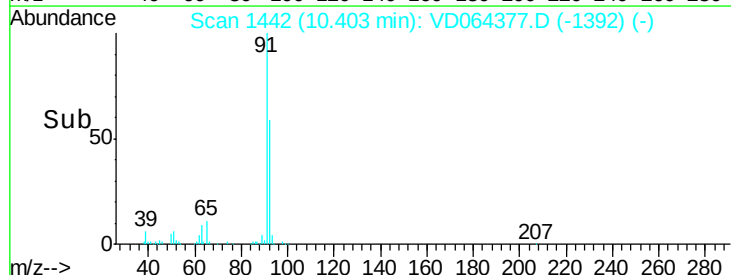
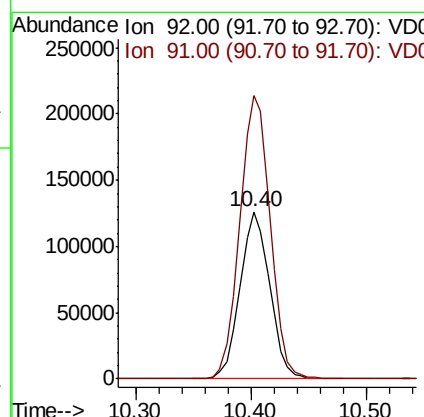
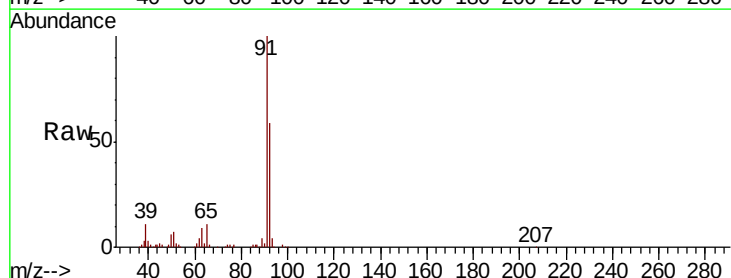
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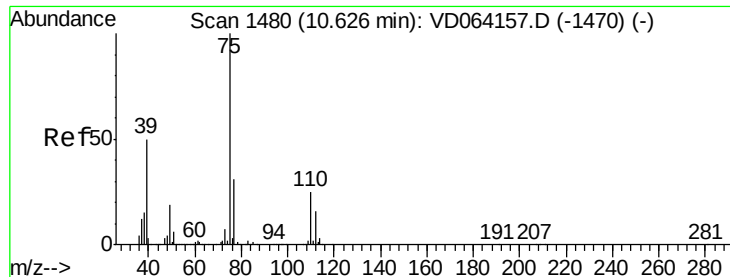
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#52
Toluene
Concen: 19.243 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion: 92 Resp: 224438
Ion Ratio Lower Upper
92 100
91 173.7 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 17.919 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 75 Resp: 111761

Ion Ratio Lower Upper

75 100

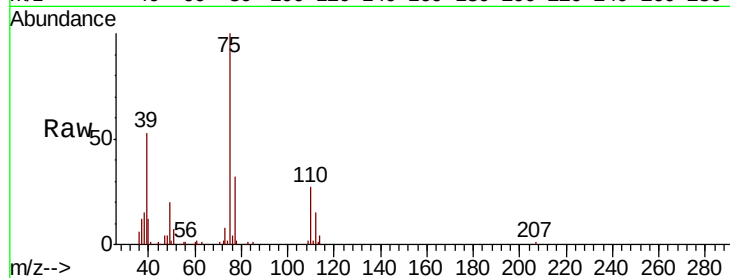
77 32.4 24.7 37.1

Manual Integrations

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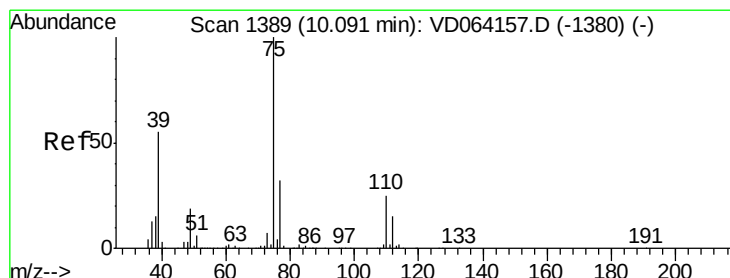
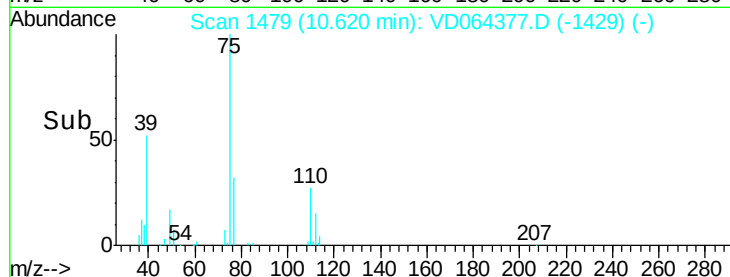
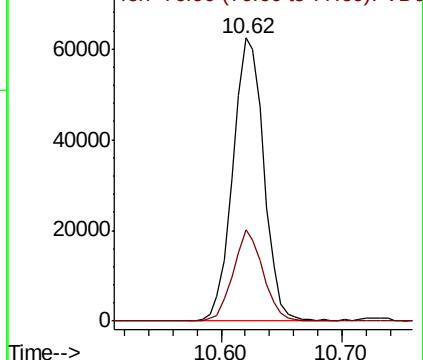
apatel

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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 18.584 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

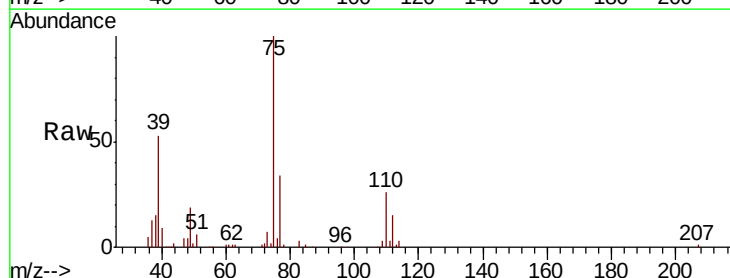
Tgt Ion: 75 Resp: 135262

Ion Ratio Lower Upper

75 100

77 34.3 25.2 37.8

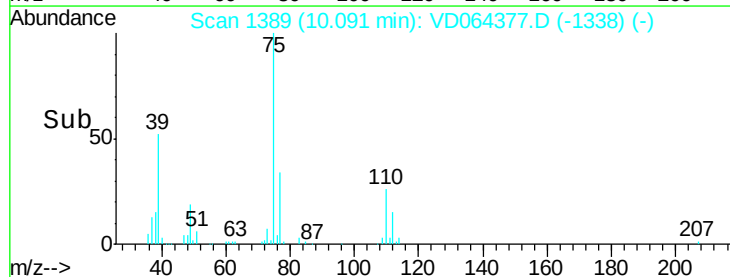
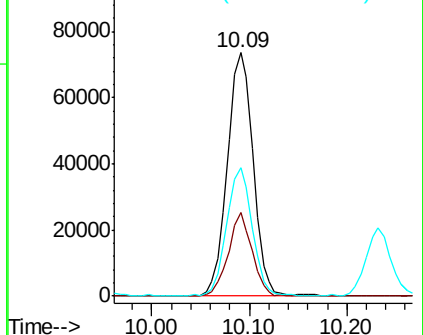
39 52.6 44.2 66.2

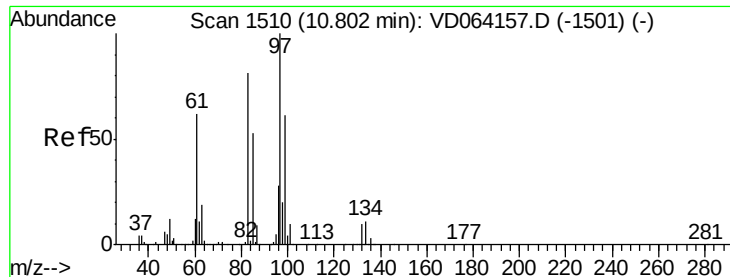


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





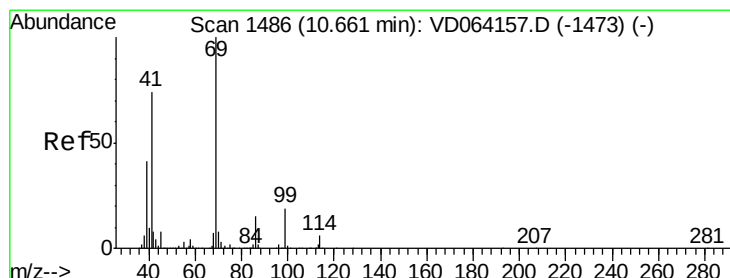
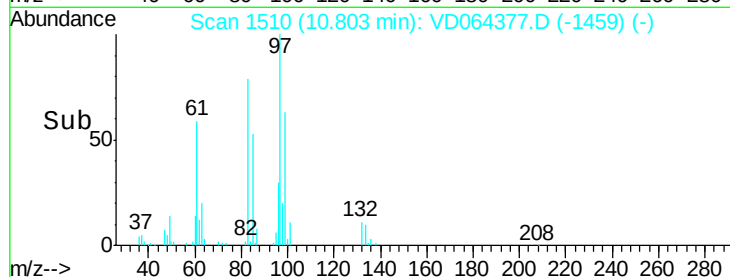
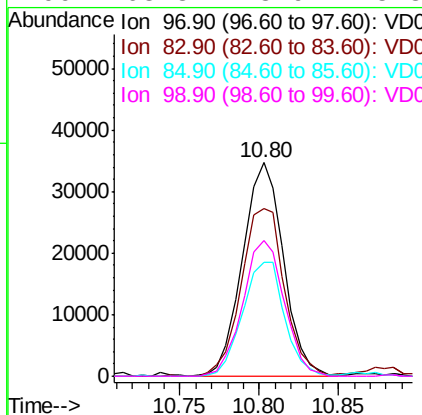
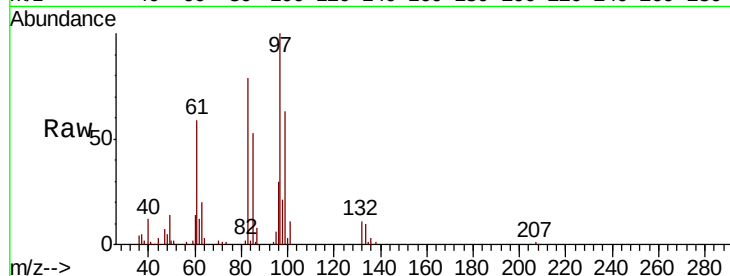
#55
 1,1,2-Trichloroethane
 Concen: 19.935 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion:	97	Resp:	62504
Ion	Ratio	Lower	Upper
97	100		
83	78.7	65.1	97.7
85	53.4	42.0	63.0
99	63.3	48.9	73.3

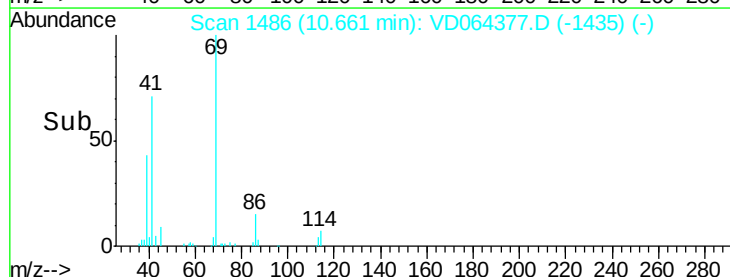
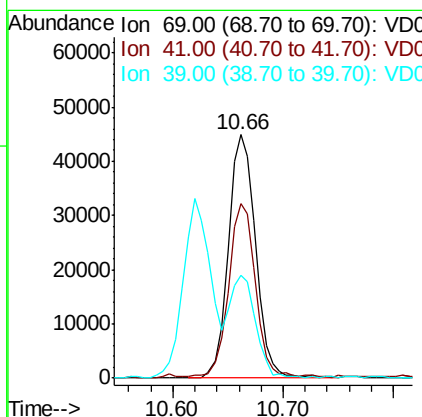
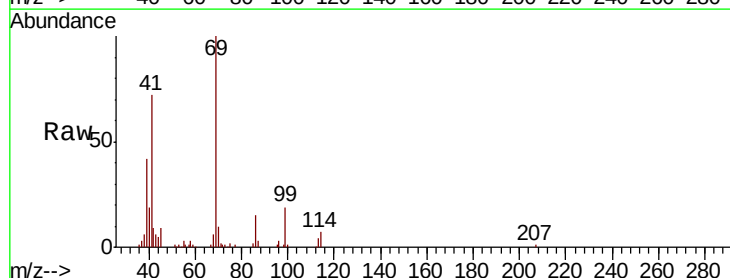
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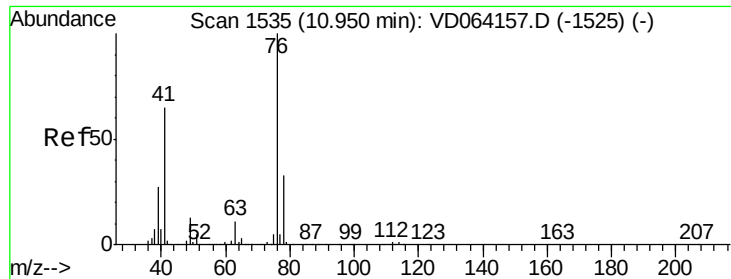
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#56
 Ethyl methacrylate
 Concen: 17.700 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Tgt Ion:	69	Resp:	77633
Ion	Ratio	Lower	Upper
69	100		
41	70.3	57.9	86.9
39	40.3	29.0	43.4





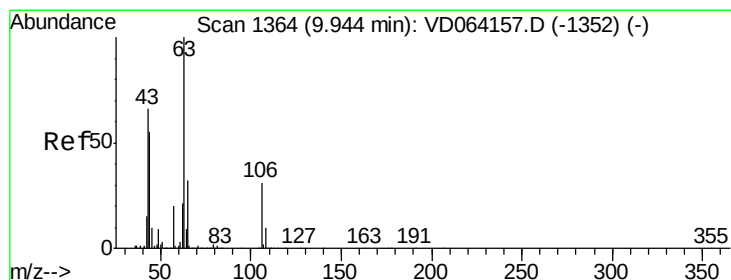
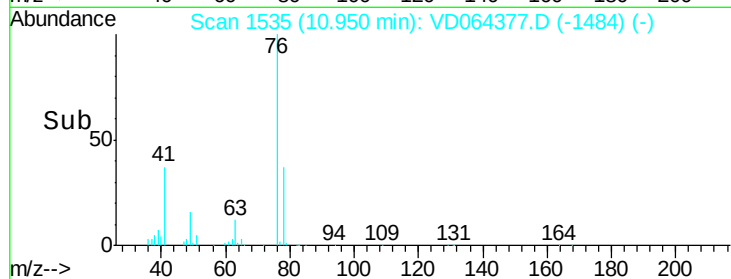
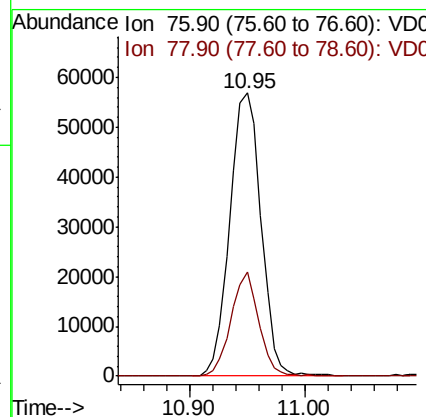
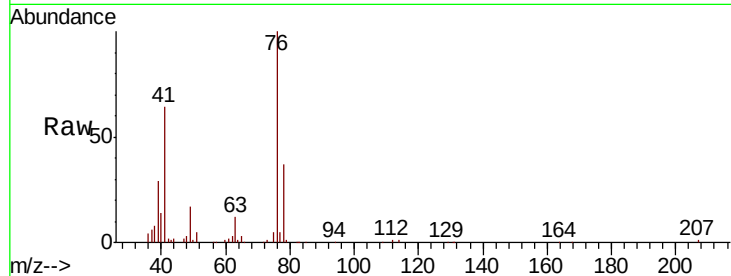
#57
 1,3-Dichloropropane
 Concen: 19.538 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion: 76 Resp: 106835
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4

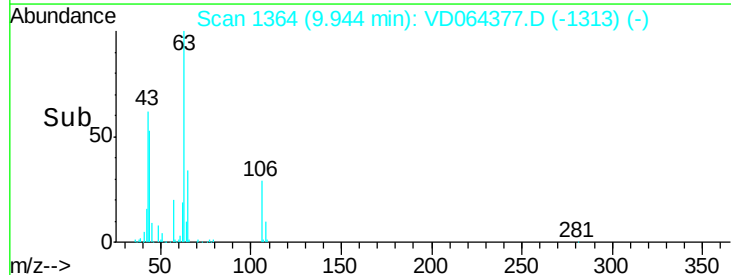
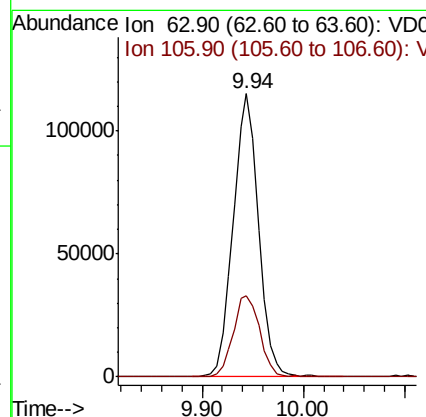
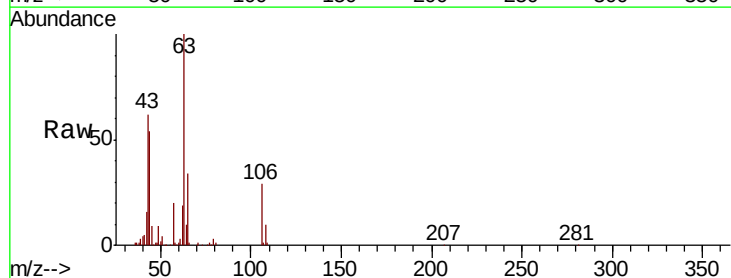
Manual Integrations
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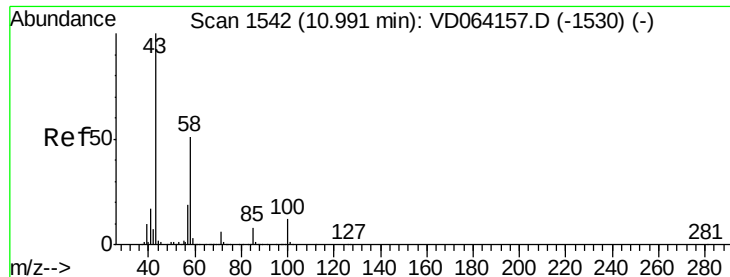
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.137 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Tgt Ion: 63 Resp: 199230
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.1 36.1





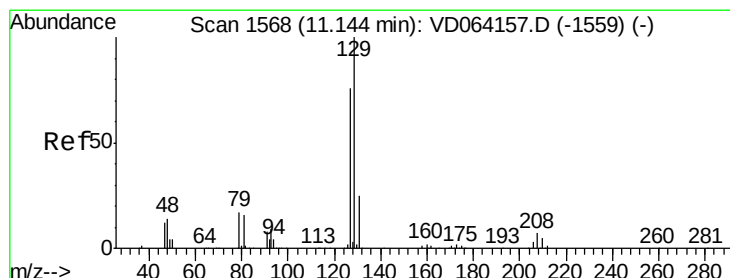
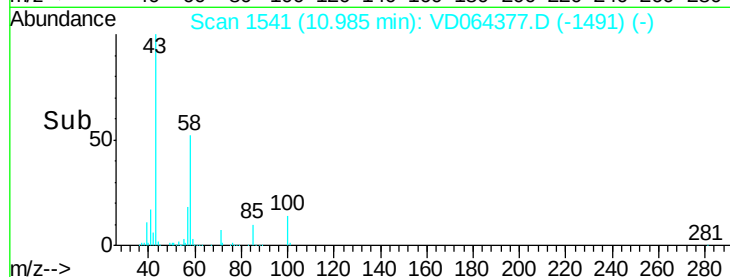
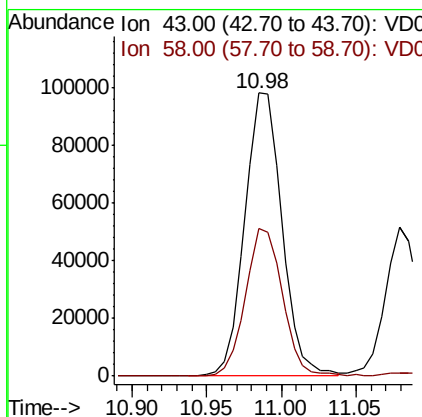
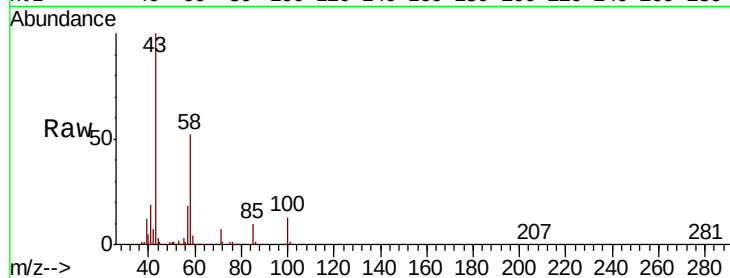
#59
2-Hexanone
Concen: 87.973 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion: 43 Resp: 169199
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.7

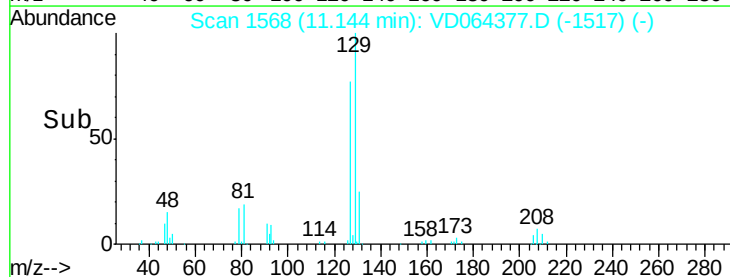
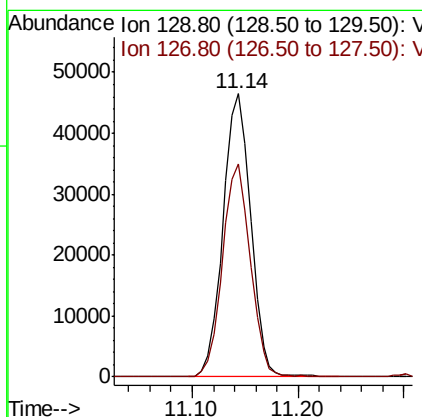
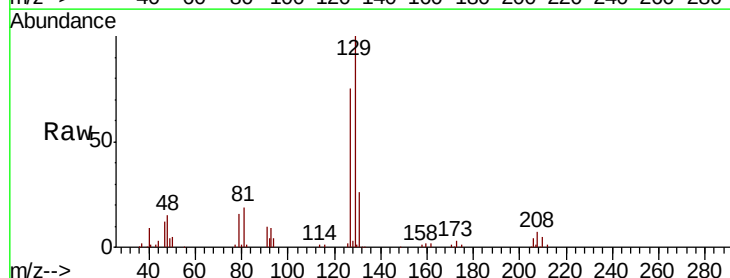
Manual Integrations
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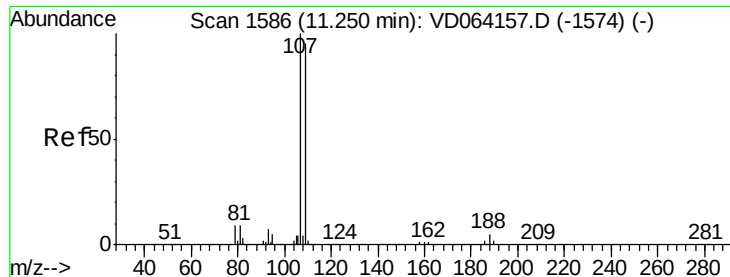
apatel
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#60
Dibromochloromethane
Concen: 19.367 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion: 129 Resp: 84730
Ion Ratio Lower Upper
129 100
127 75.2 38.6 115.8





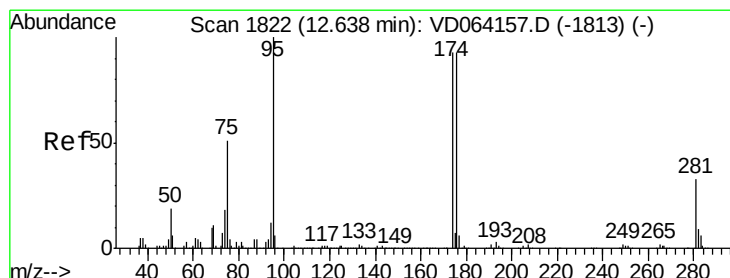
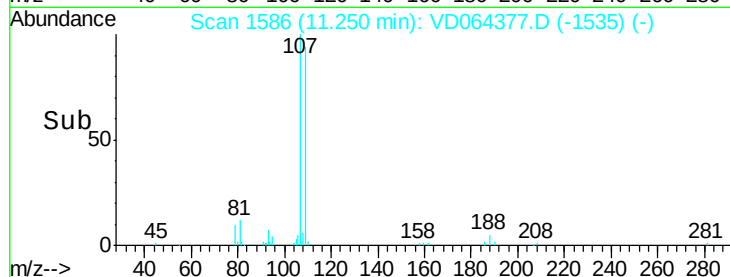
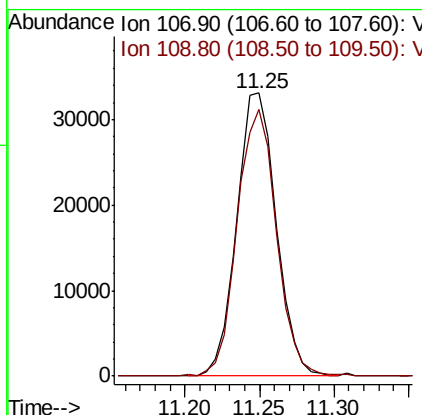
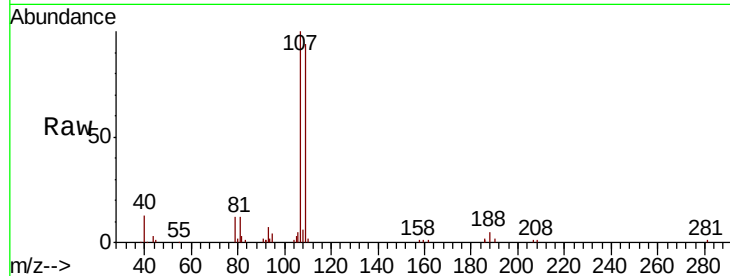
#61
 1,2-Dibromoethane
 Concen: 19.362 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion: 107 Resp: 60804
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.1 112.7

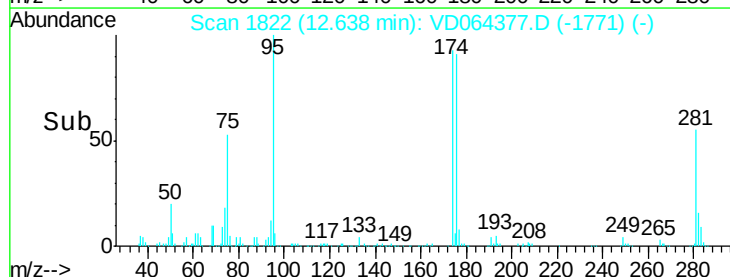
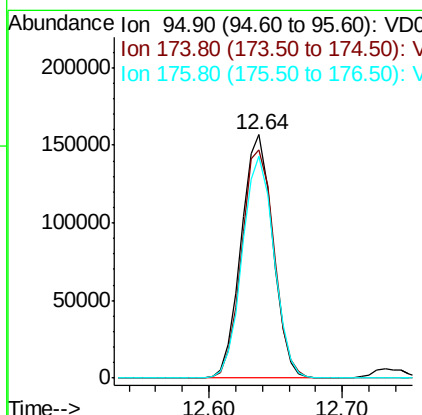
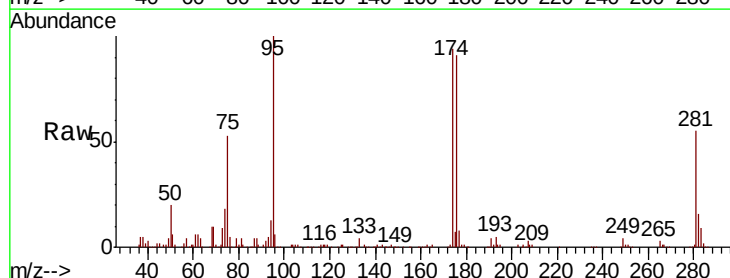
Manual Integrations
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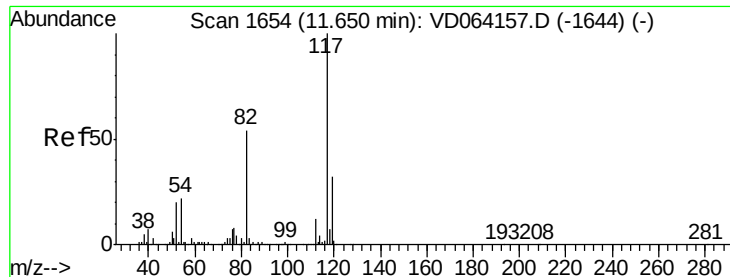
apatel
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#62
 4-Bromofluorobenzene
 Concen: 48.685 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Tgt Ion: 95 Resp: 256738
 Ion Ratio Lower Upper
 95 100
 174 96.0 0.0 183.6
 176 91.4 0.0 180.2





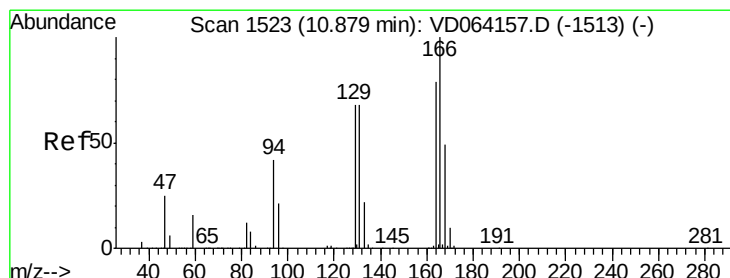
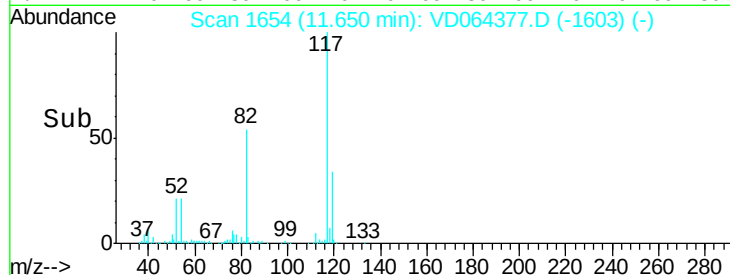
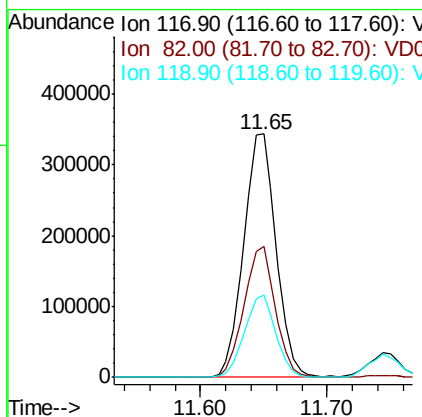
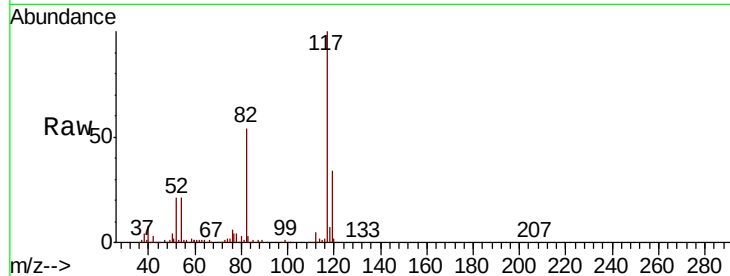
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	611980		
82	53.8		42.8	64.2
119	33.7		25.6	38.4

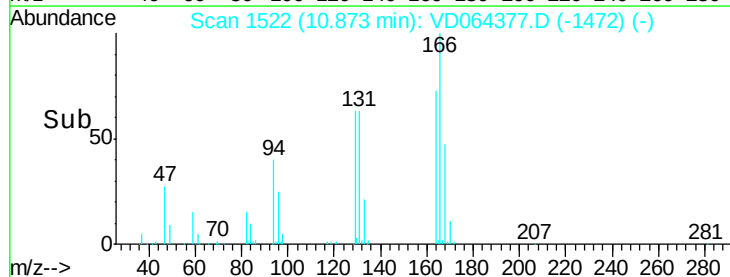
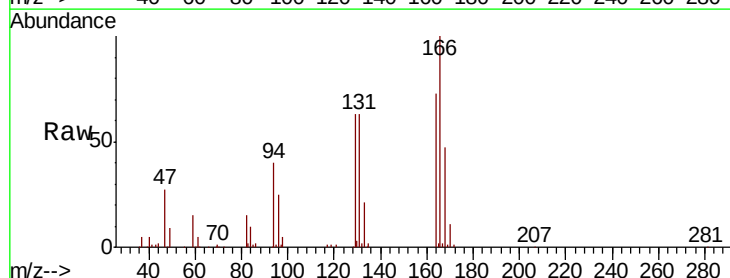
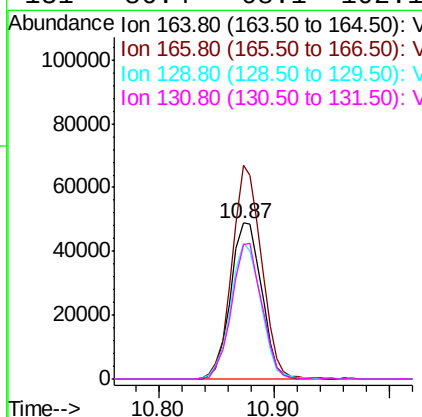
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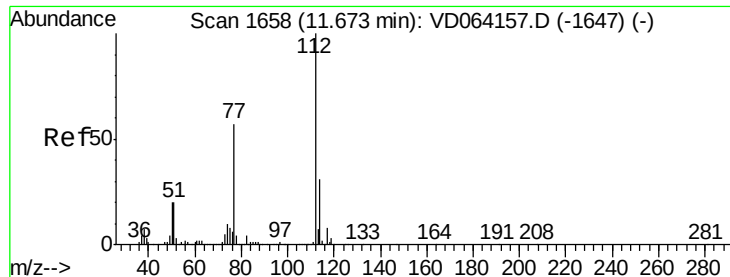
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#64
Tetrachloroethene
Concen: 19.427 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91437		
166	137.1		100.8	151.2
129	87.0		68.7	103.1
131	86.4		68.1	102.1





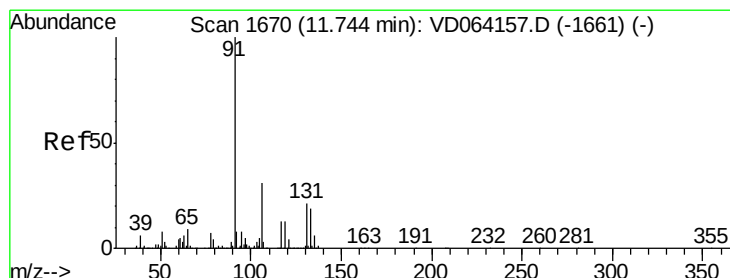
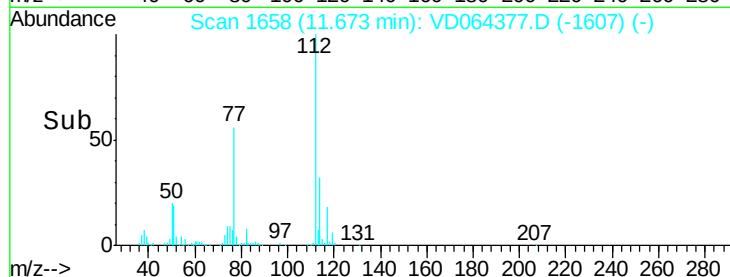
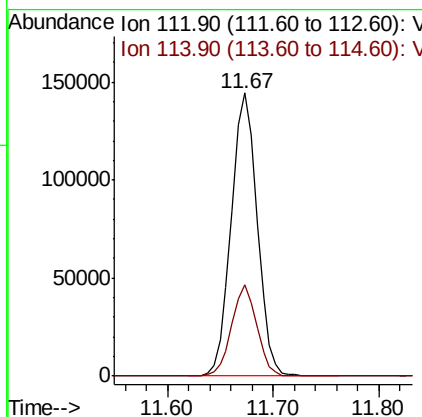
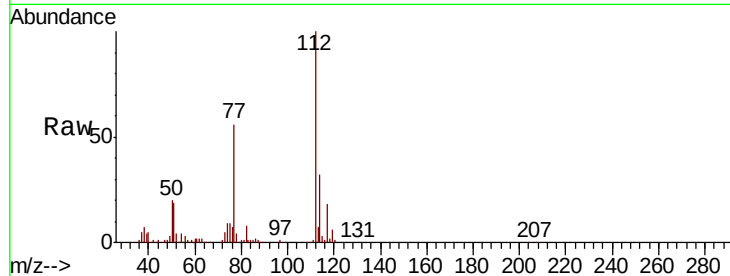
#65
Chlorobenzene
Concen: 19.647 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.2	37.8

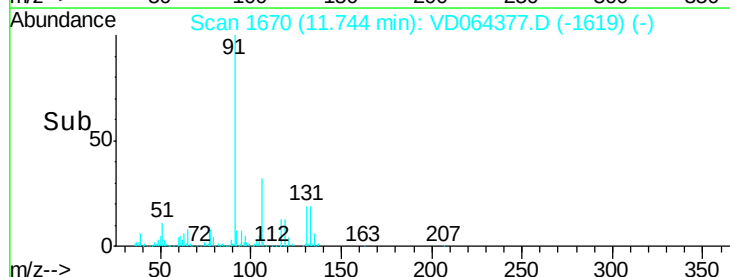
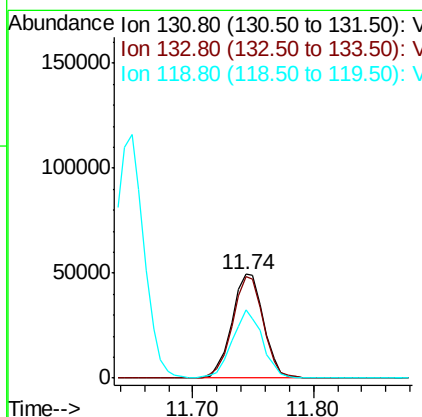
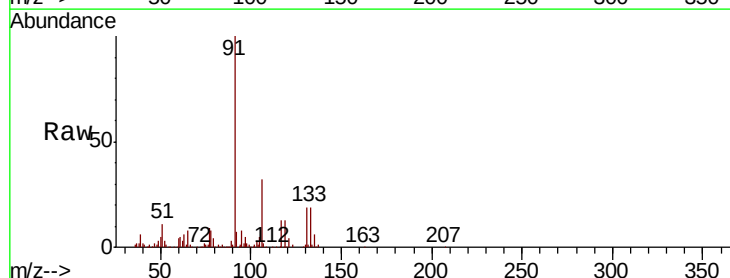
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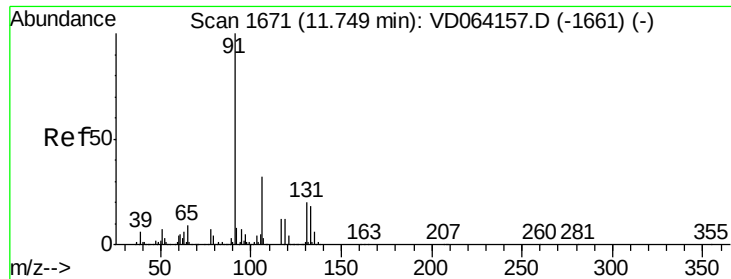
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.154 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	62.6	31.1	93.3





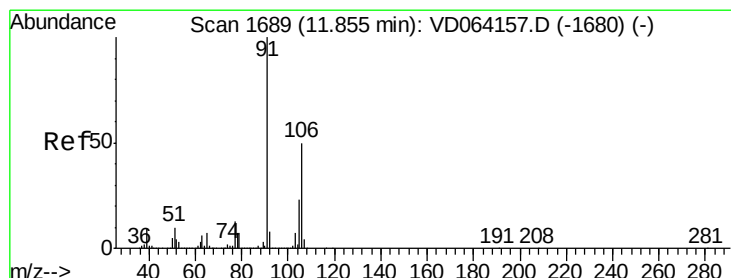
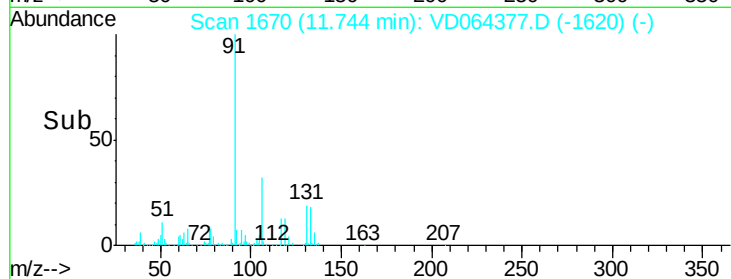
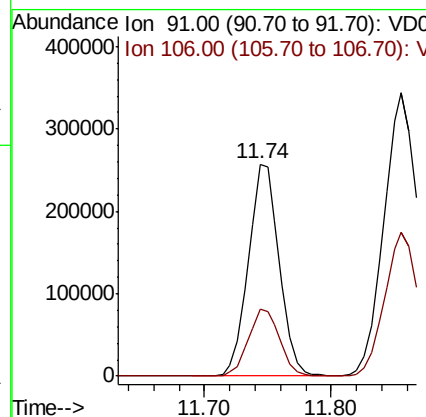
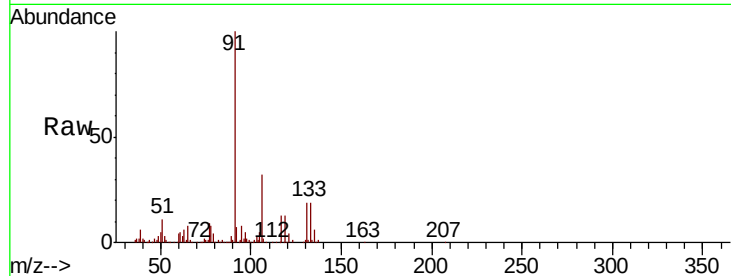
#67
Ethyl Benzene
Concen: 19.281 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.5	38.3

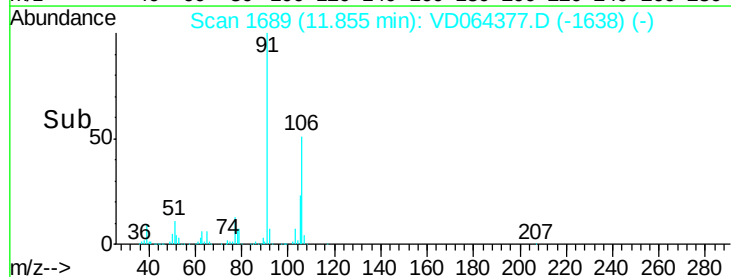
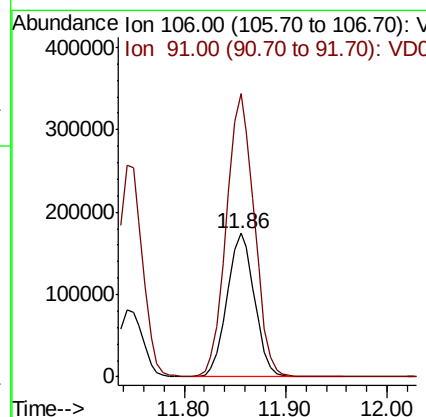
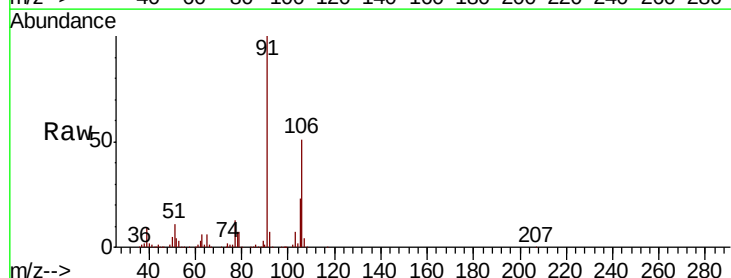
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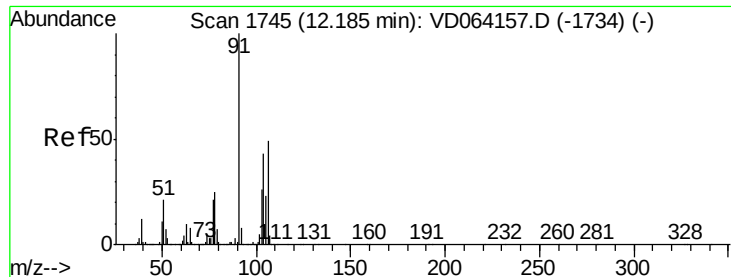
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#68
m/p-Xylenes
Concen: 37.838 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.4	160.3	240.5





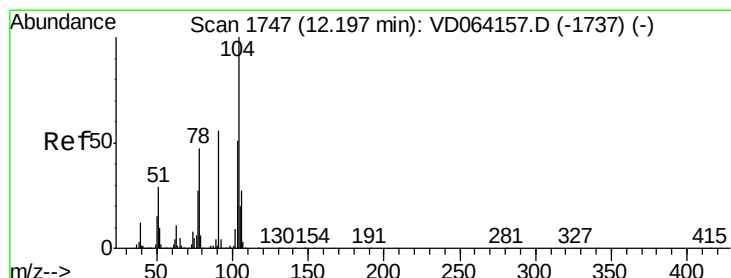
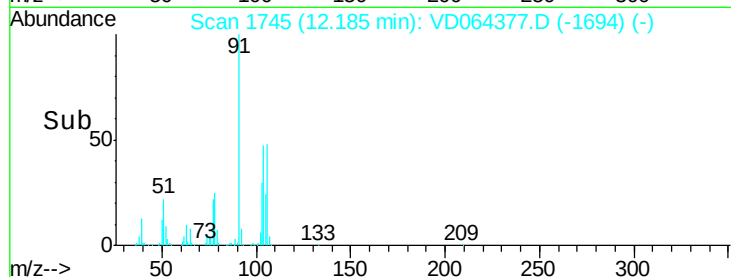
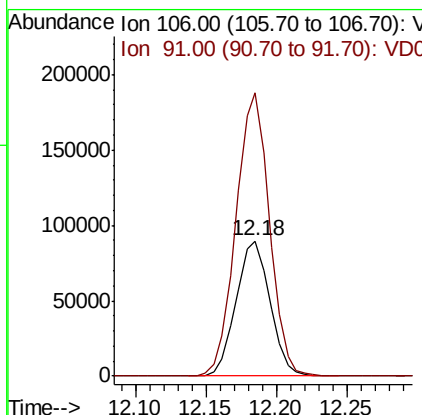
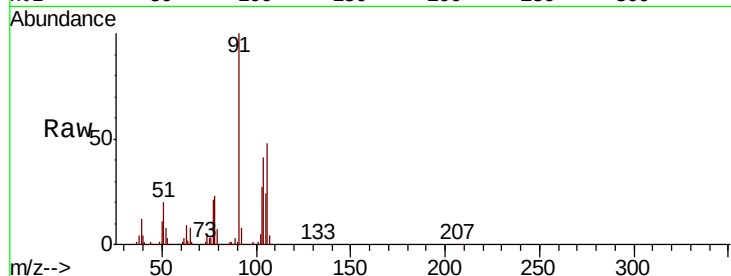
#69
o-Xylene
Concen: 18.863 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.6	105.1	315.3

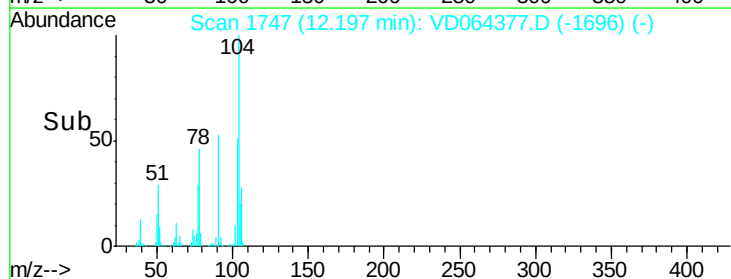
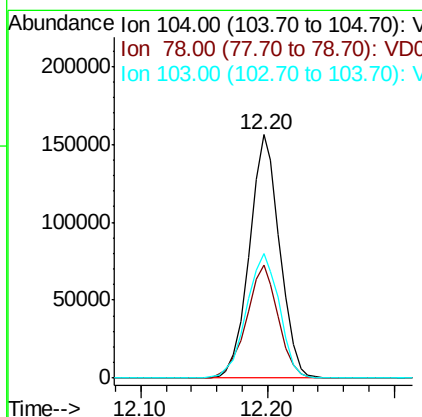
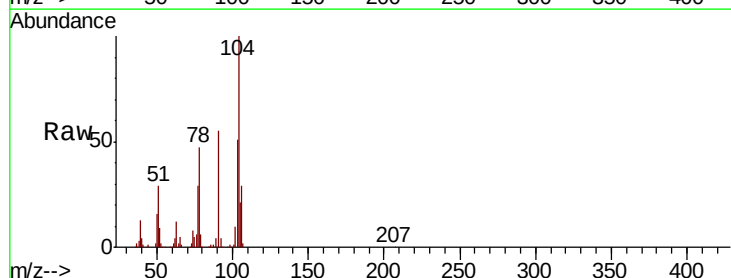
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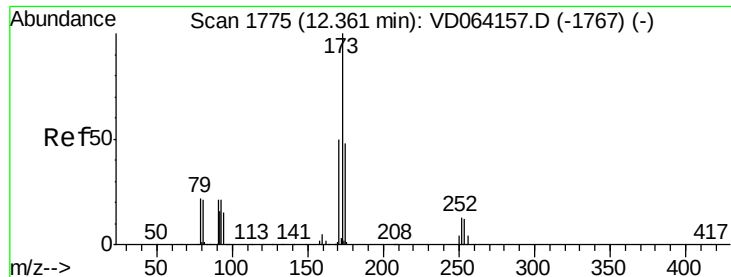
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#70
Styrene
Concen: 18.573 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	39.9	59.9
103	55.8	43.4	65.0





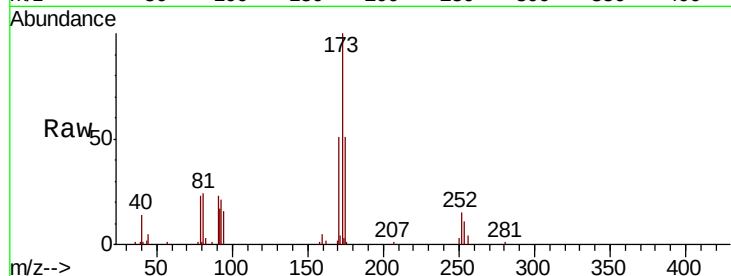
#71
Bromoform
Concen: 18.475 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

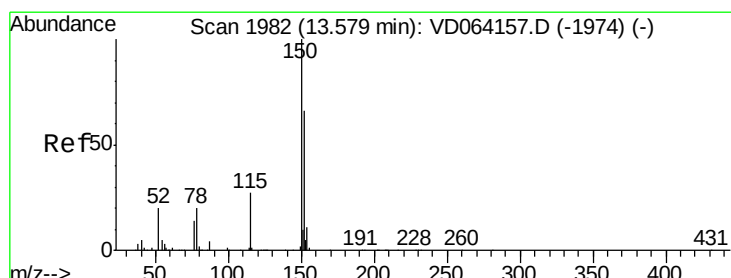
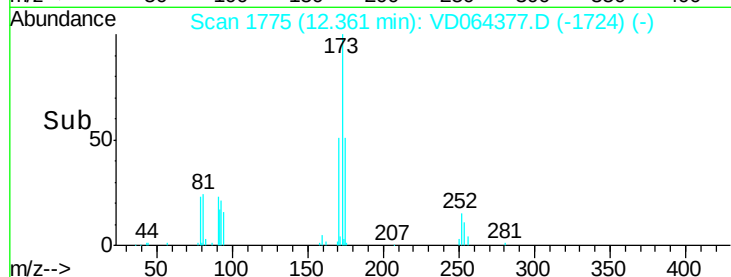
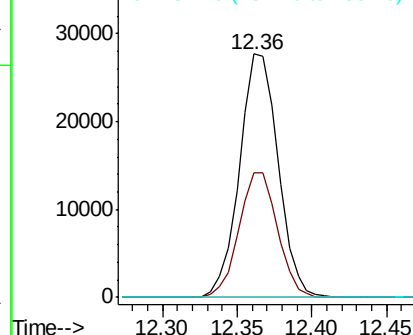
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.1	72.3
254	0.0	0.2	0.2

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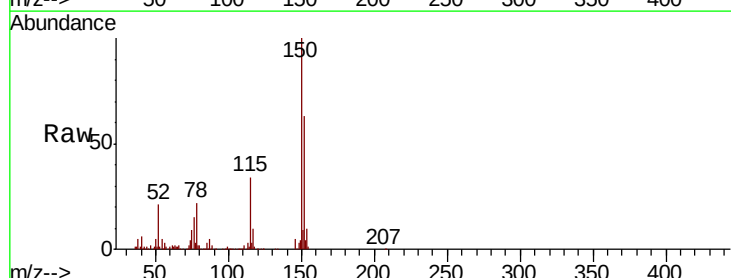


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

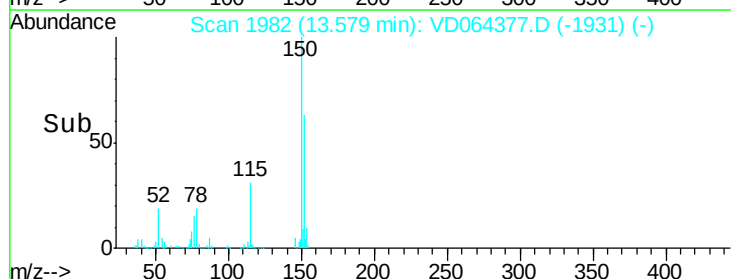
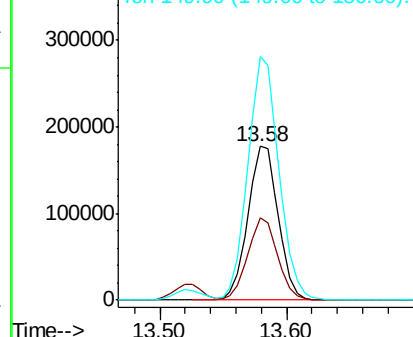


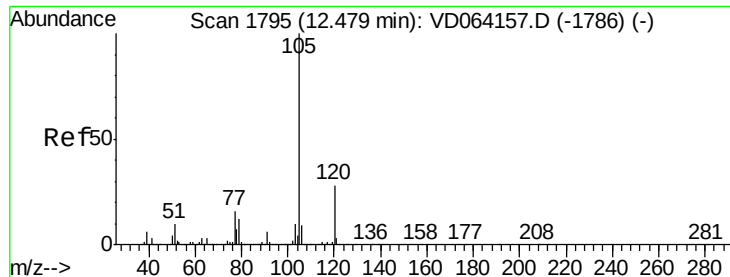
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.8	27.4	82.2
150	162.4	0.0	351.6



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: 19.541 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 105 Resp: 423081

Ion Ratio Lower Upper

105 100

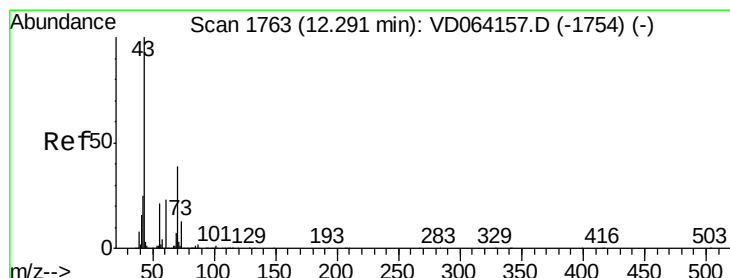
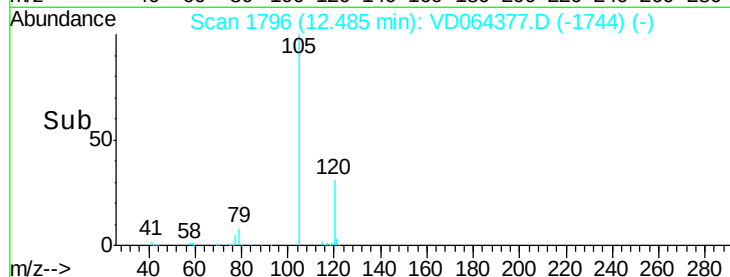
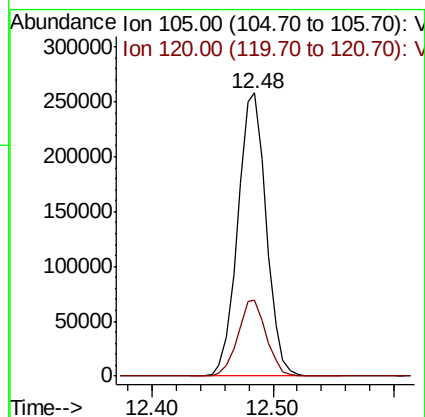
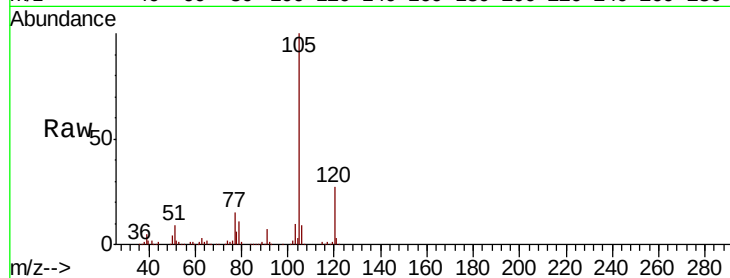
120 26.6 13.6 40.8

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#74

N-ethyl acetate

Concen: 17.121 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Tgt Ion: 43 Resp: 87538

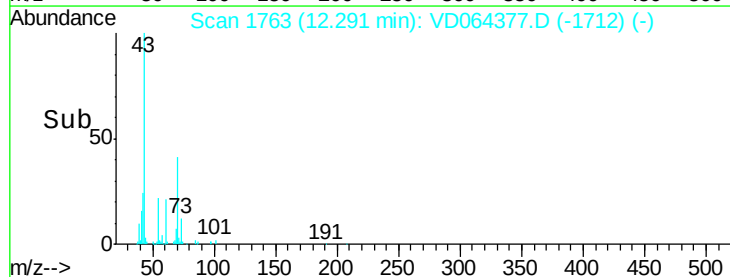
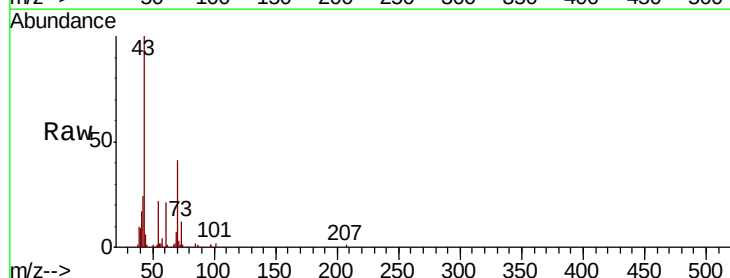
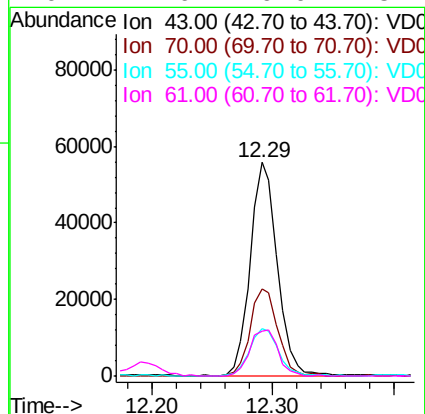
Ion Ratio Lower Upper

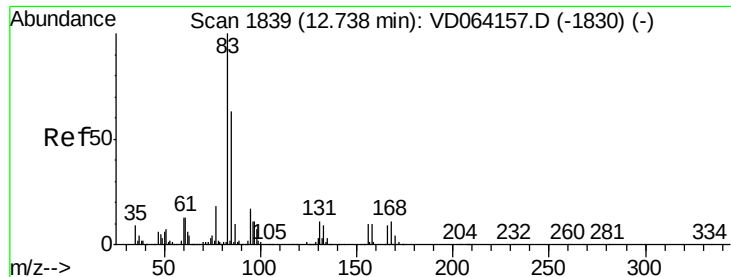
43 100

70 42.1 32.4 48.6

55 23.6 17.9 26.9

61 22.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.642 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

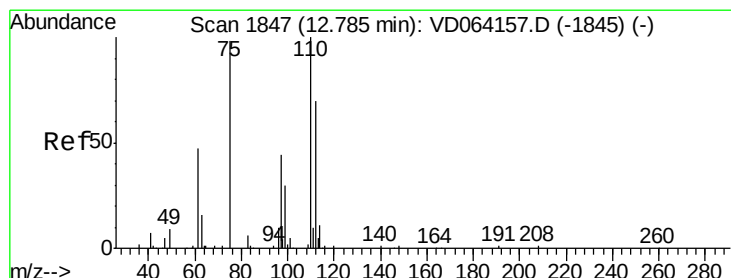
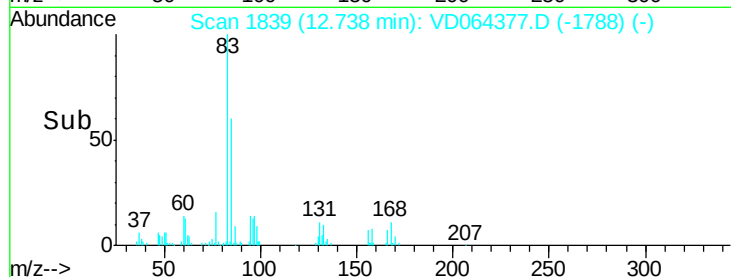
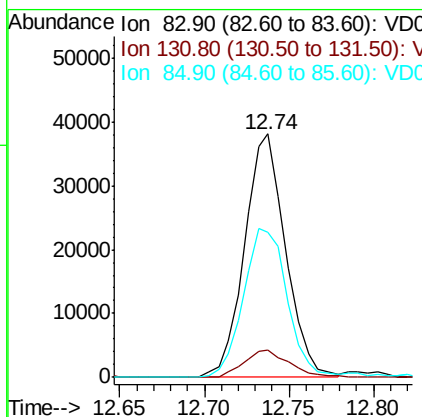
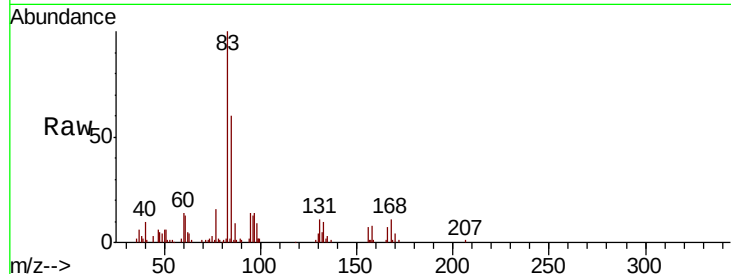
ClientSampleId :

VD1126SBS01

Tot Ion:	83	Resp:	64080
Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.9	17.7
85	66.4	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 16.333 ug/l m

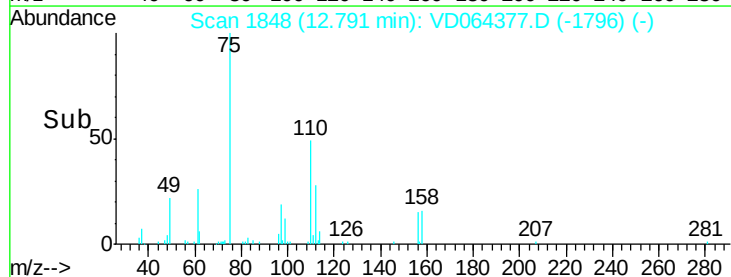
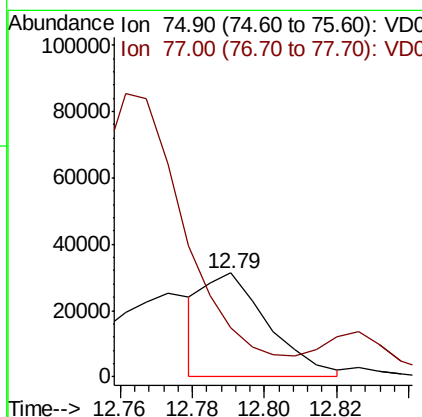
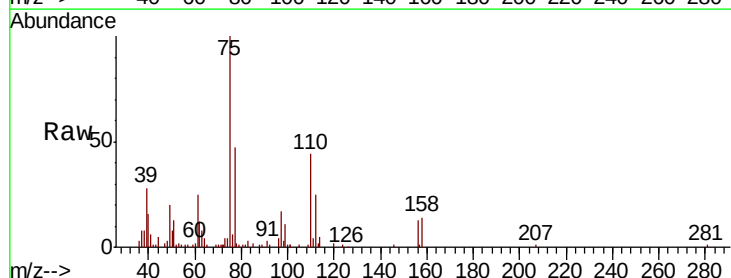
RT: 12.79 min Scan# 1848

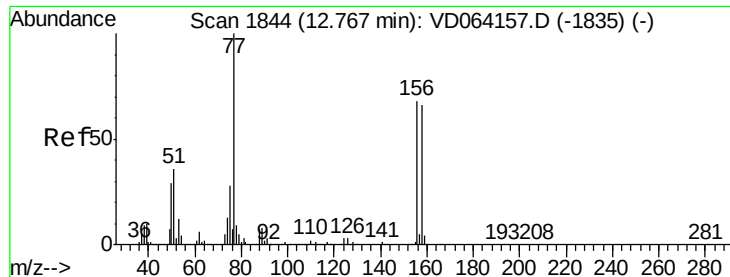
Delta R.T. 0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Tgt Ion:	75	Resp:	38806
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.537 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

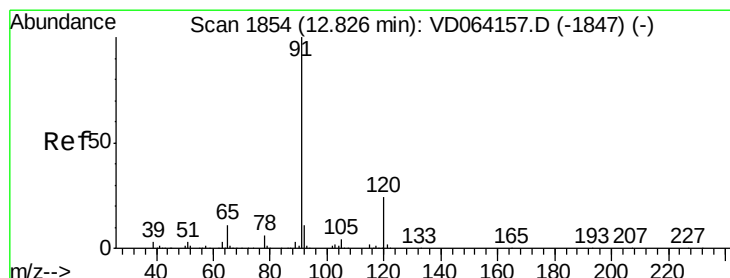
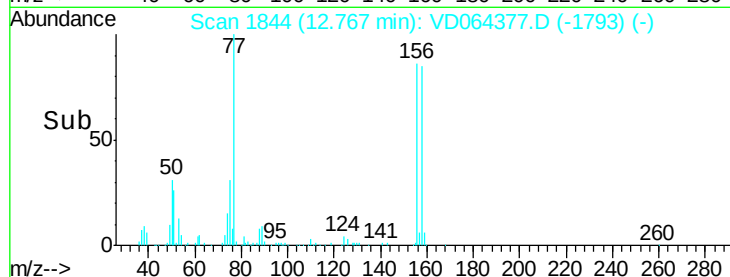
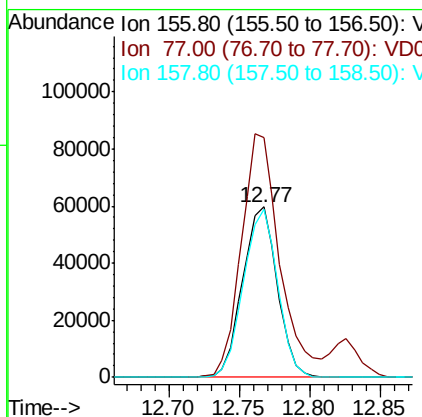
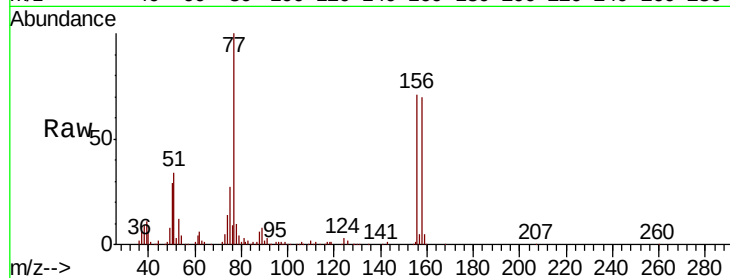
ClientSampleId :

VD1126SBS01

Tot Ion:	156	Resp:	102763
Ion Ratio	Lower	Upper	
156	100		
77	158.5	81.2	243.4
158	97.8	48.4	145.2

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#78

n-propylbenzene

Concen: 19.832 ug/l

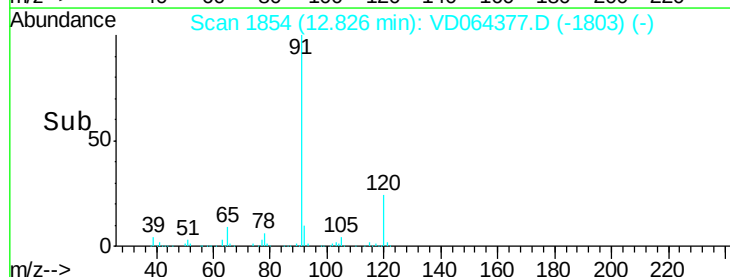
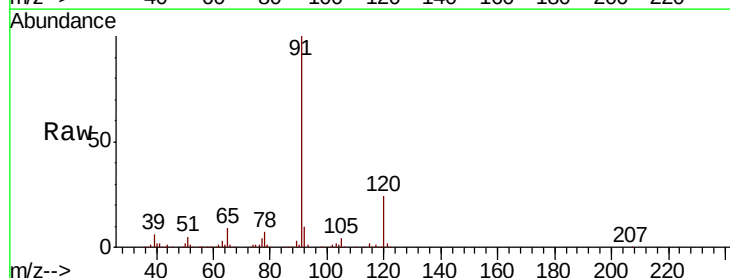
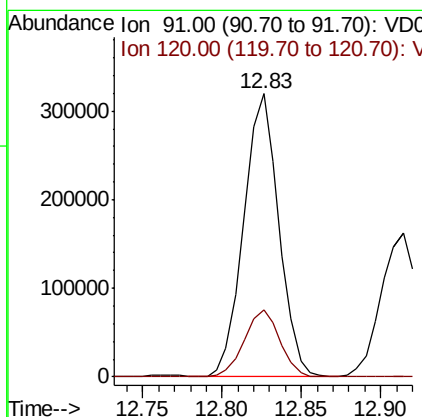
RT: 12.83 min Scan# 1854

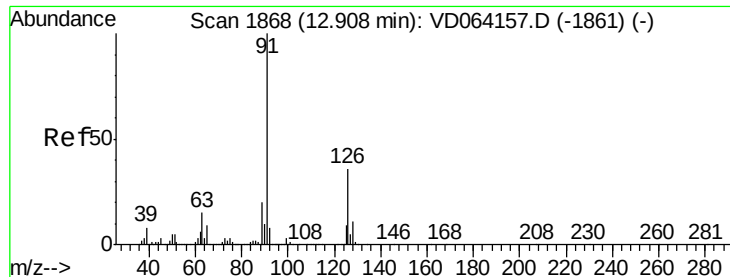
Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Tgt Ion:	91	Resp:	490574
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.4





#79

2-Chlorotoluene

Concen: 19.226 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 91 Resp: 268504

Ion Ratio Lower Upper

91 100

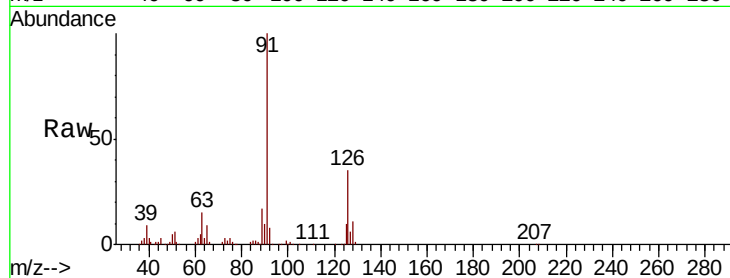
126 35.2 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD064377.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD064377.D (-1861) (-)

12.91

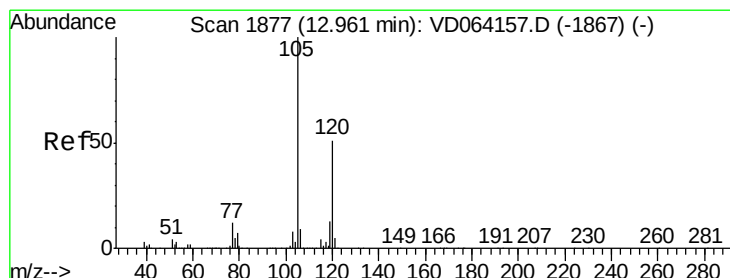
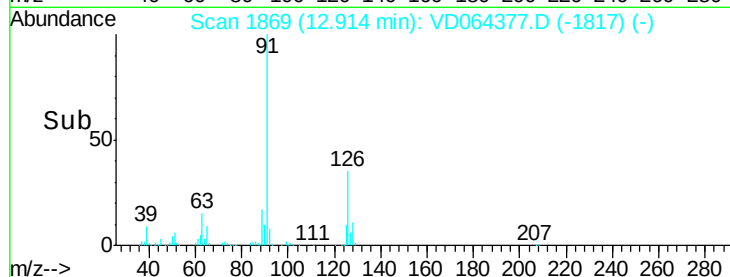
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.198 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064377.D

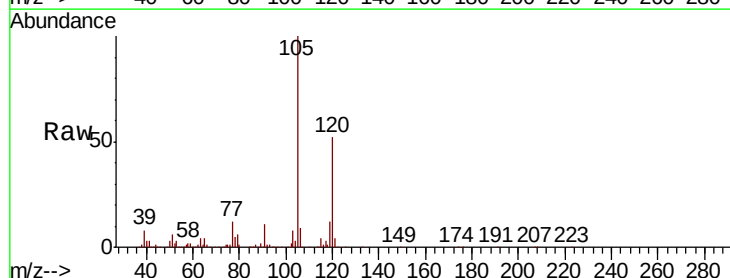
Acq: 26 Nov 2019 11:56

Tgt Ion: 105 Resp: 341545

Ion Ratio Lower Upper

105 100

120 49.7 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD064377.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD064377.D (-1826) (-)

12.97

250000

200000

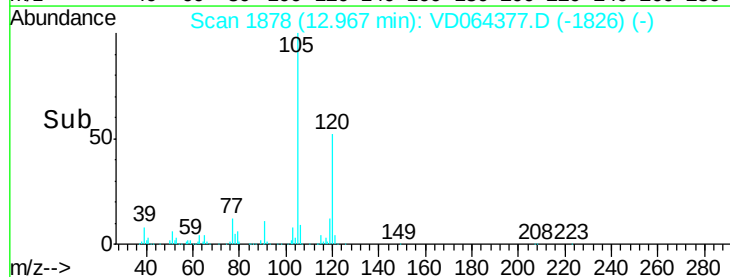
150000

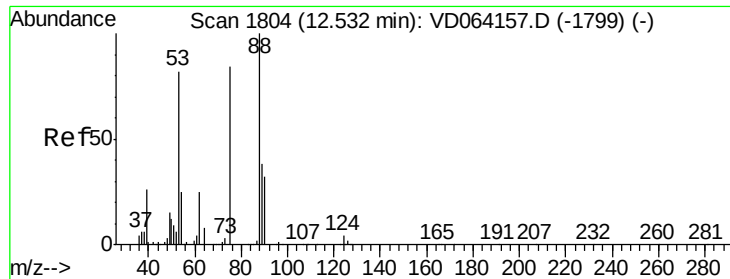
100000

50000

0

Time-->





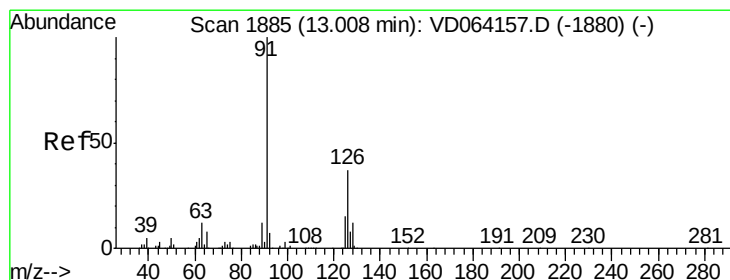
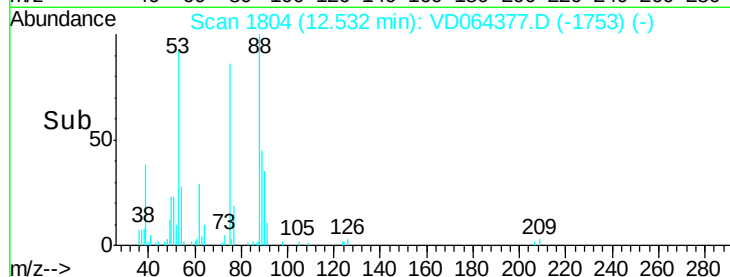
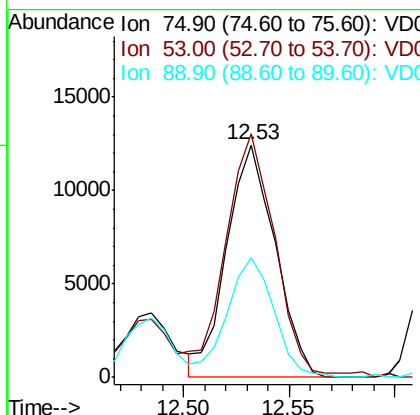
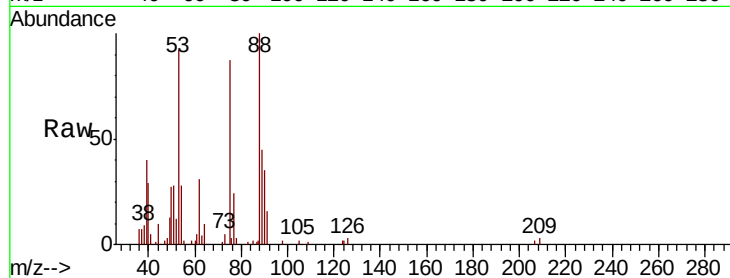
#81
trans-1,4-Dichloro-2-butene
Concen: 16.476 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.5	79.4	119.0
89	50.2	36.6	55.0

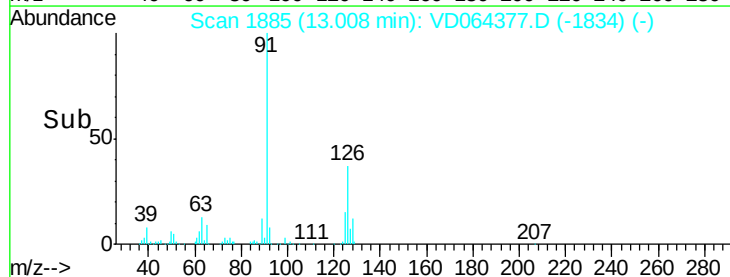
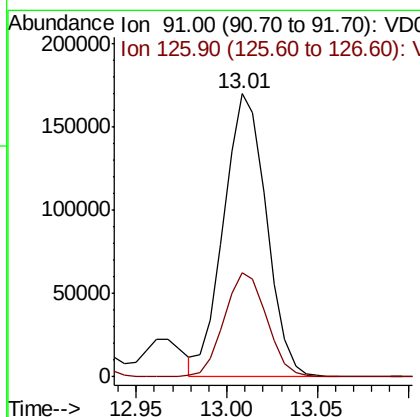
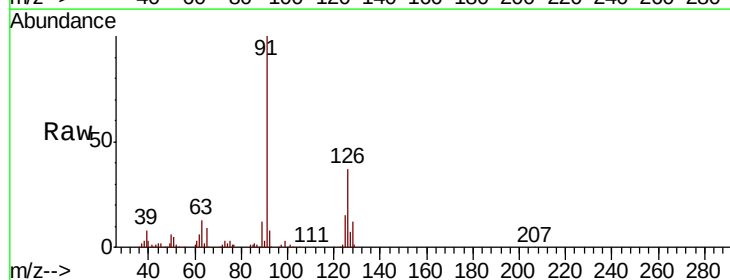
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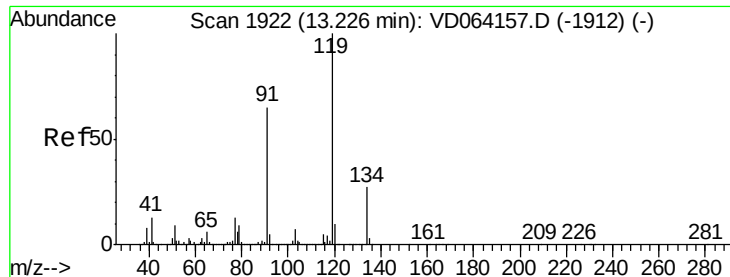
apatel
11/27/2019 5:14:01 PM



#82
4-Chlorotoluene
Concen: 19.165 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.8	53.4





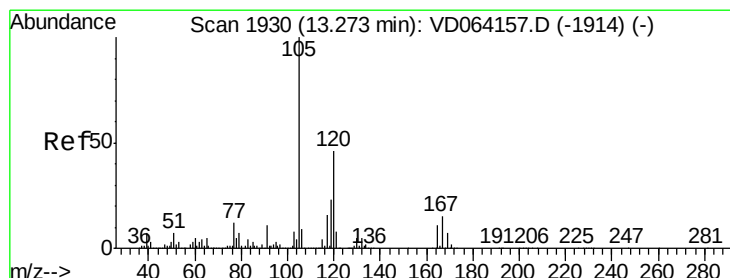
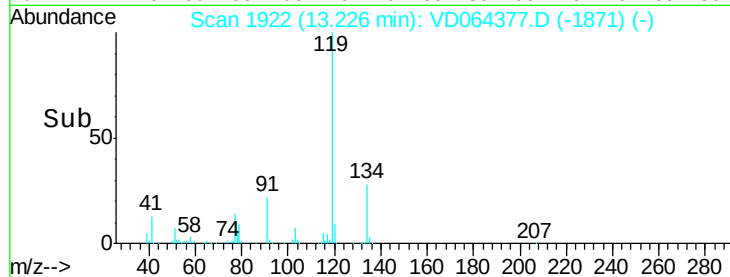
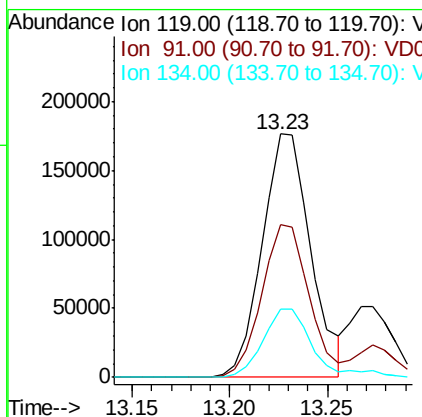
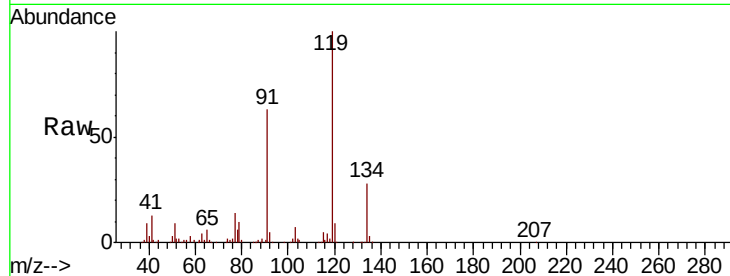
#83
 tert-Butylbenzene
 Concen: 19.371 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	31.8	95.4
134	29.1	13.7	41.0

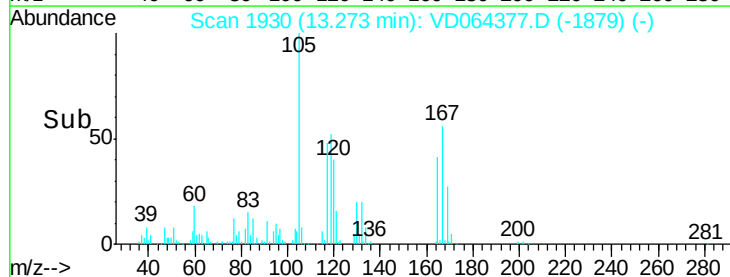
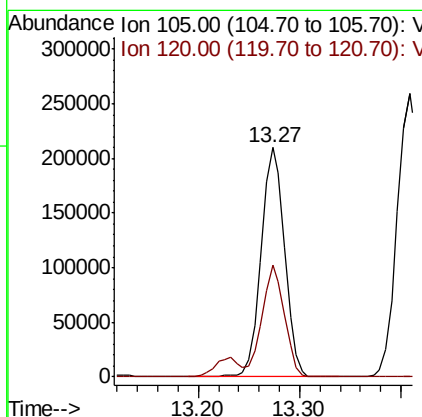
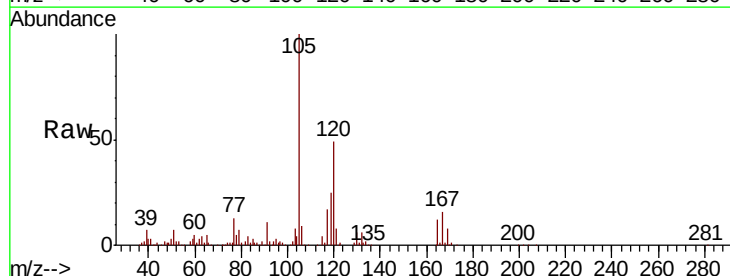
Manual Integrations
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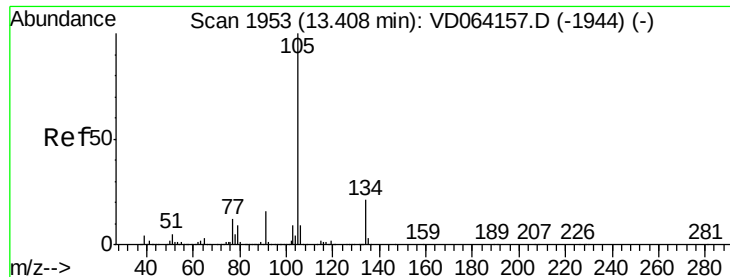
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.179 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.8





#85

sec-Butylbenzene

Concen: 19.696 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion:105 Resp: 414991

Ion Ratio Lower Upper

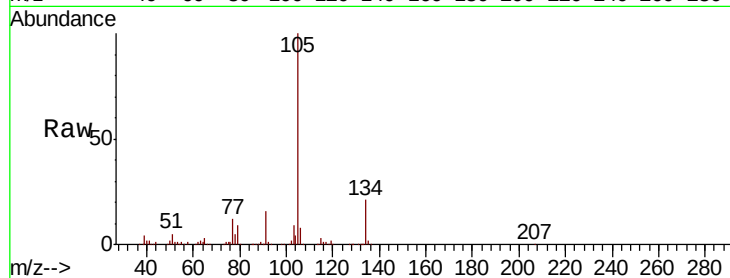
105 100

134 20.8 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

150000

100000

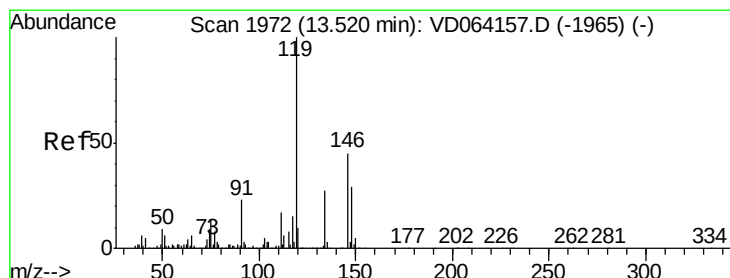
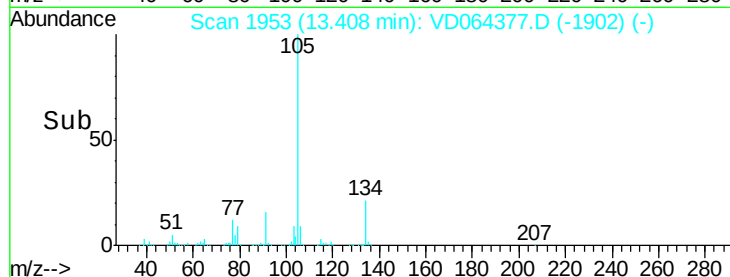
50000

0

13.40

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 19.236 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

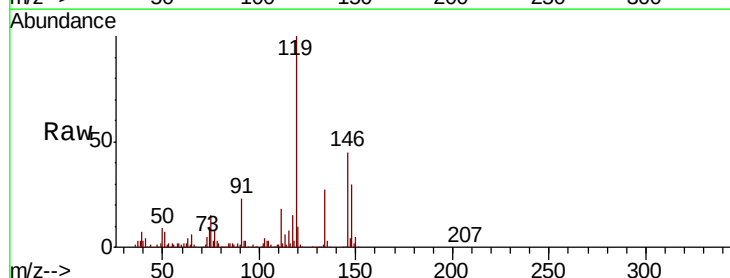
Tgt Ion:119 Resp: 385302

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.4 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

200000

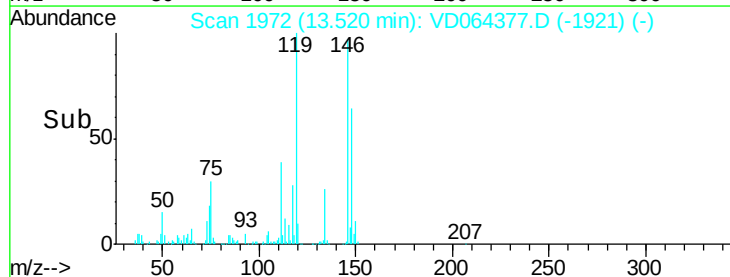
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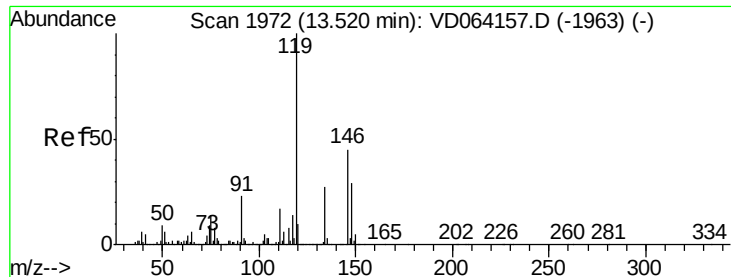
0

13.50

13.60

Time-->





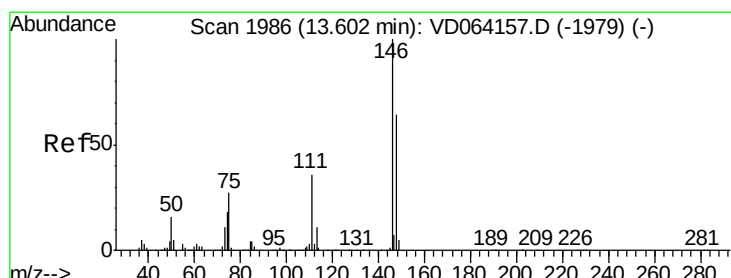
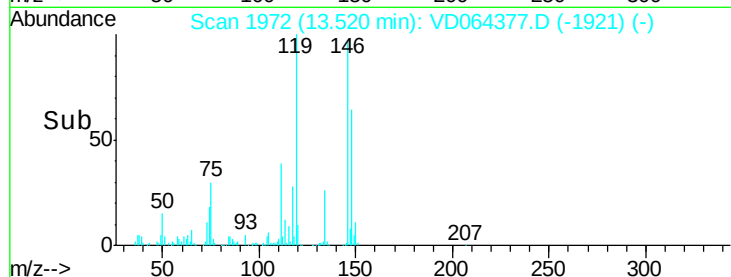
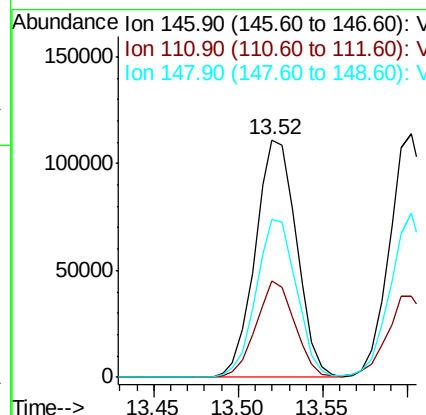
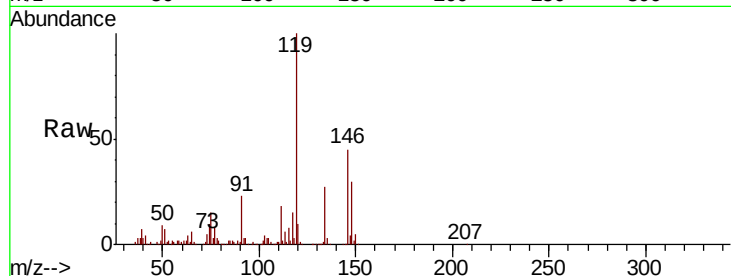
#87
 1,3-Dichlorobenzene
 Concen: 19.345 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	65.2	32.1	96.5

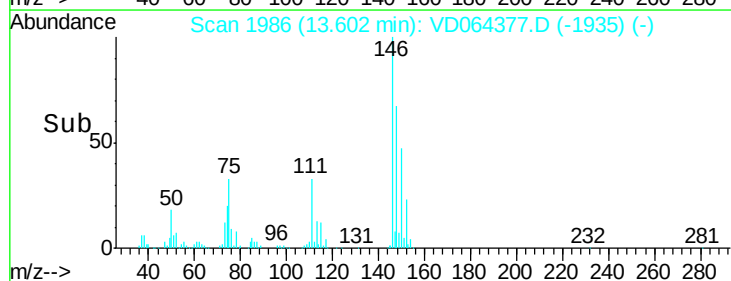
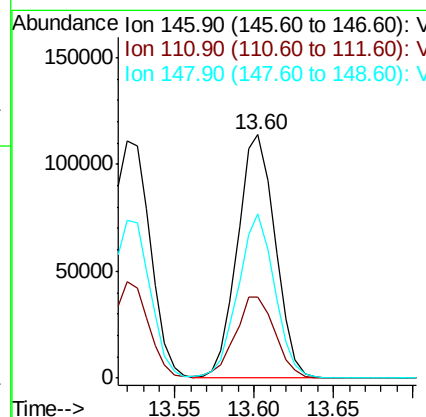
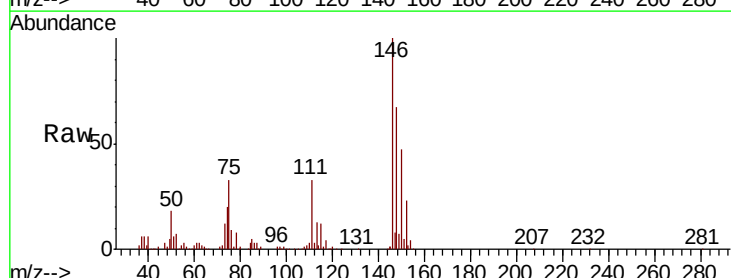
Manual Integrations
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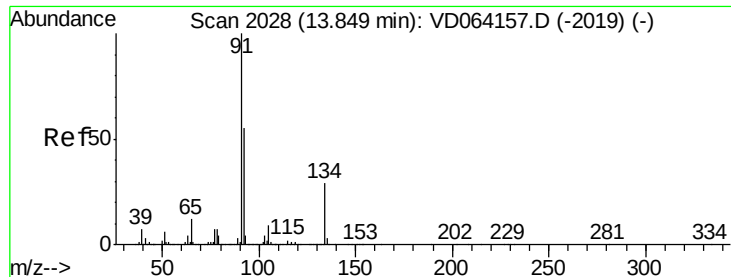
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 11/27/2019 5:14:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.808 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.4
148	65.4	31.9	95.7





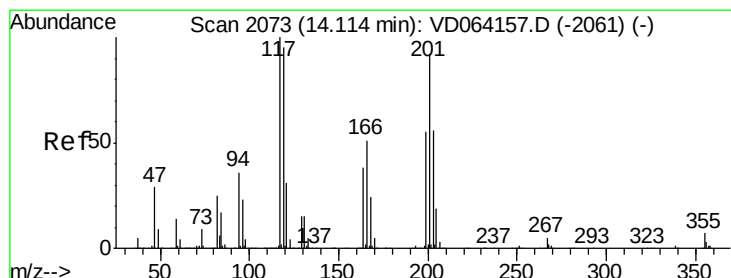
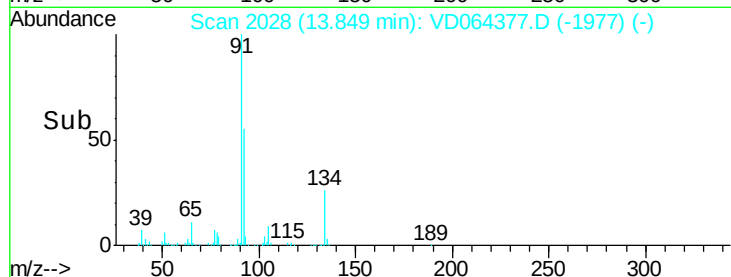
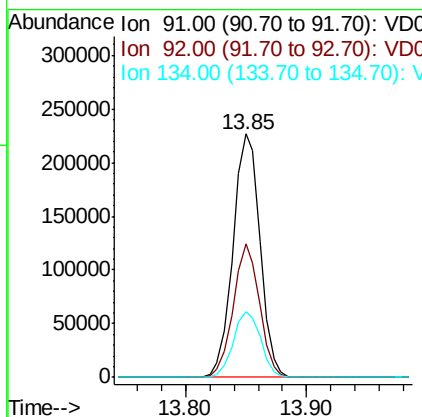
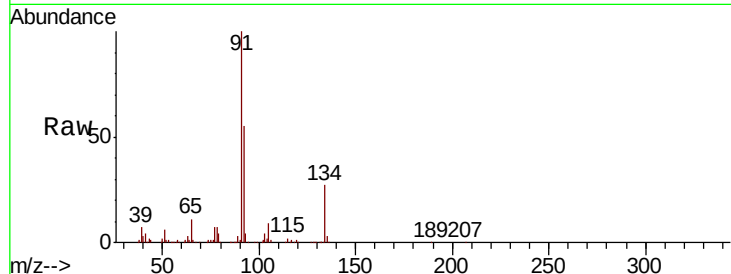
#89
n-Butylbenzene
Concen: 19.478 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		352495		
92	53.4	27.3		81.8	
134	27.5	14.1		42.4	

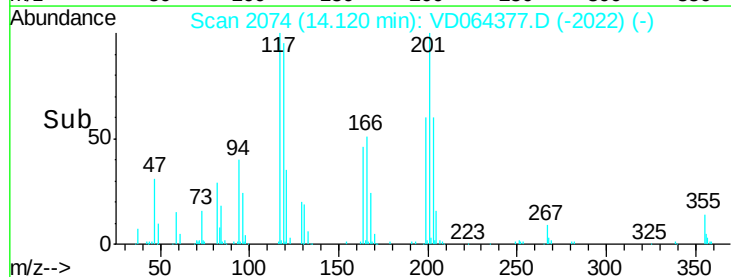
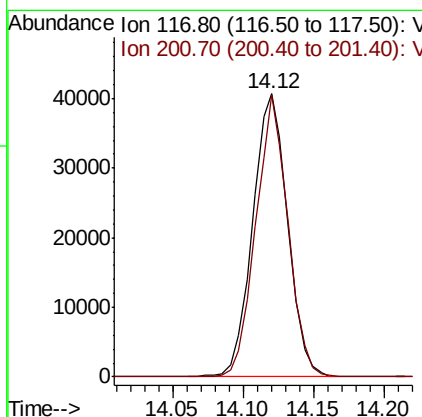
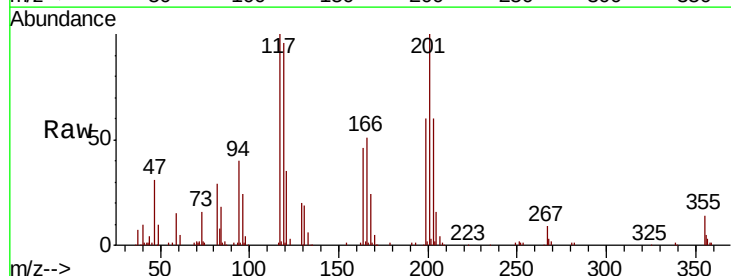
Manual Integrations
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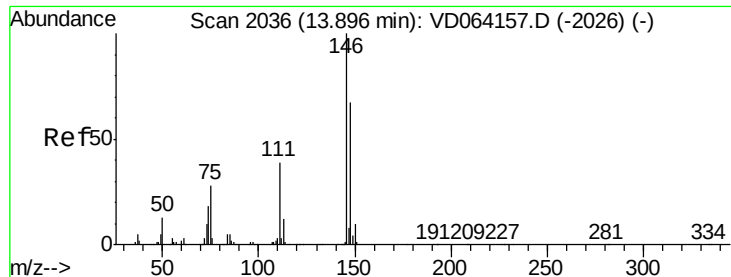
apatel
11/27/2019 5:14:01 PM



#90
Hexachloroethane
Concen: 19.026 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064377.D
Acq: 26 Nov 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		70431		
201	91.6	45.8		137.4	





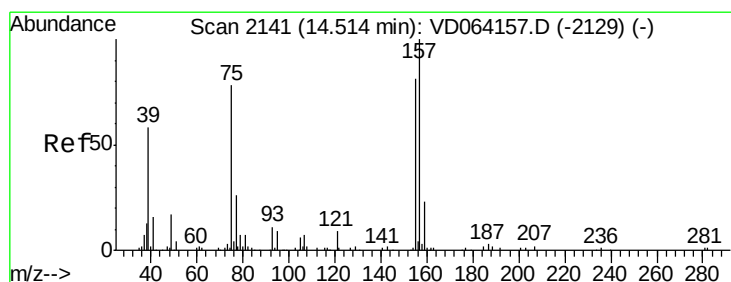
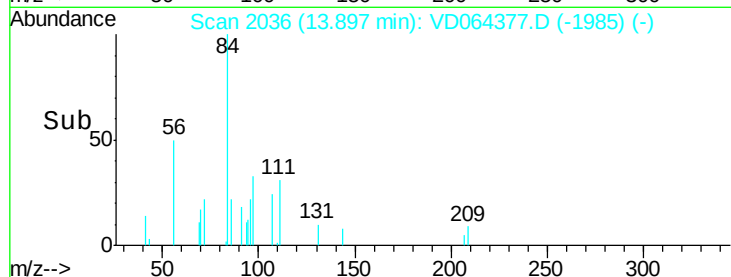
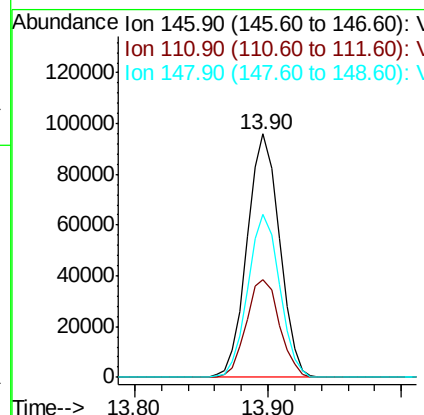
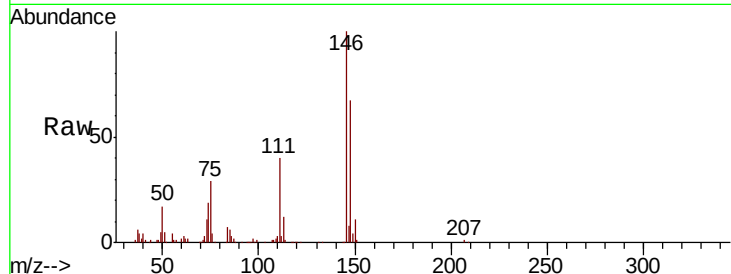
#91
 1,2-Dichlorobenzene
 Concen: 19.466 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.7	59.0
148	65.4	32.3	96.8

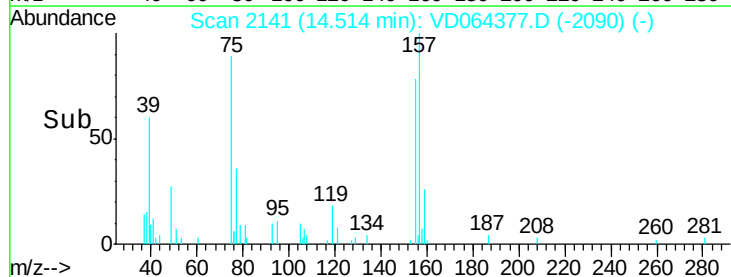
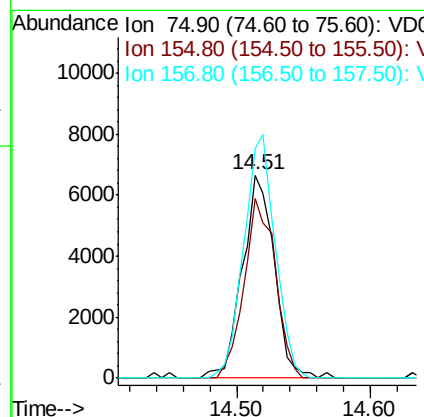
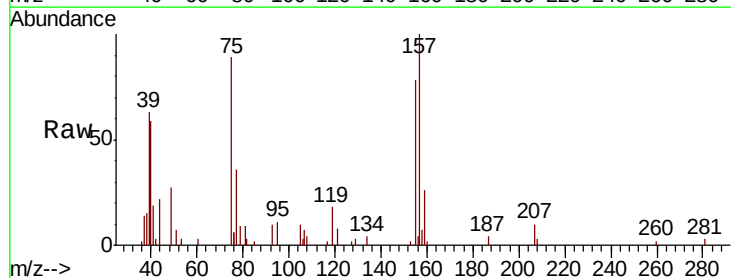
Manual Integrations
 APPROVED

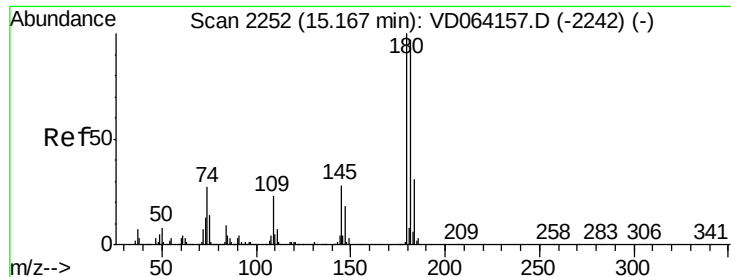
apatel
 11/27/2019 5:14:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.855 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	48.0	144.0
157	117.8	61.5	184.4





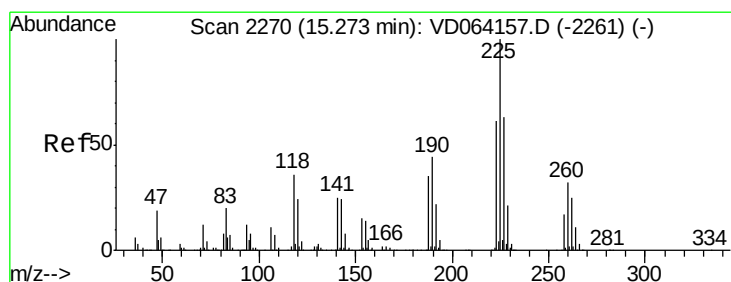
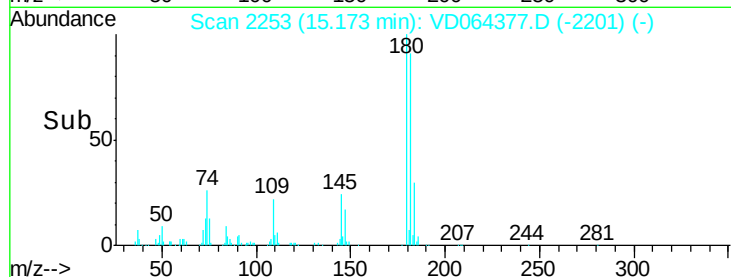
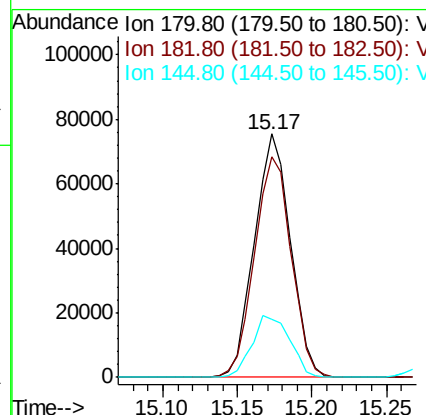
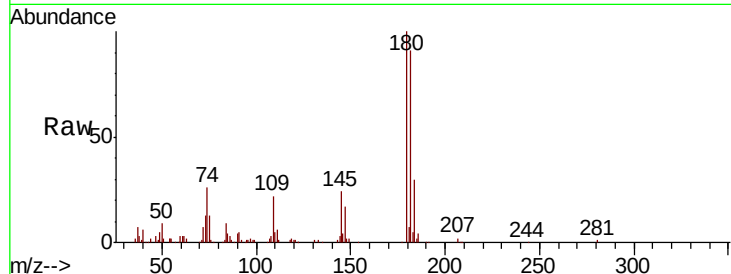
#93
 1,2,4-Trichlorobenzene
 Concen: 19.745 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125878		
182	92.7	47.5	142.5	
145	26.5	14.2	42.6	

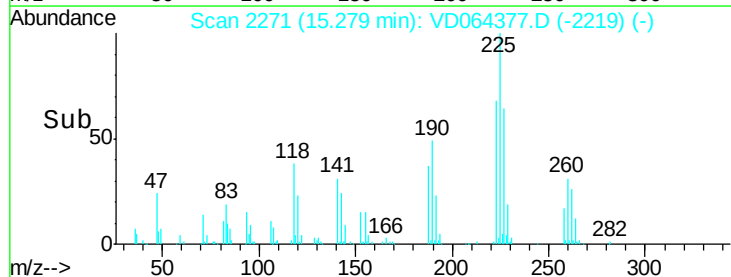
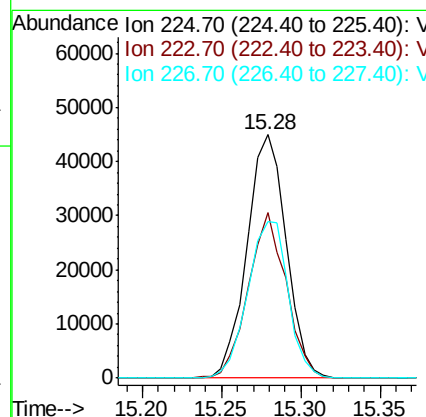
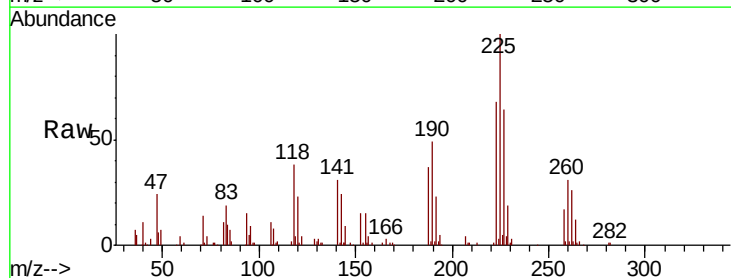
Manual Integrations
 APPROVED

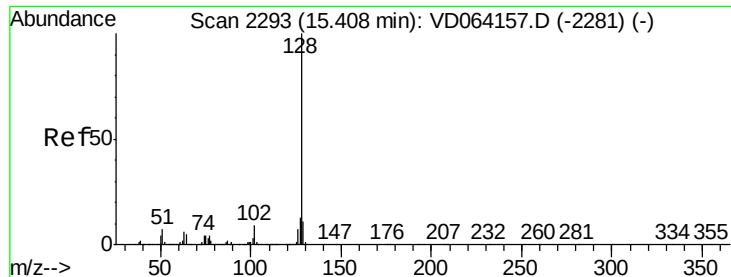
apatel
 11/27/2019 5:14:01 PM



#94
 Hexachlorobutadiene
 Concen: 18.793 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064377.D
 Acq: 26 Nov 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77384		
223	65.5	31.1	93.3	
227	66.5	31.5	94.5	





#95

Naphthalene

Concen: 18.769 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Instrument :

MSVOA_D

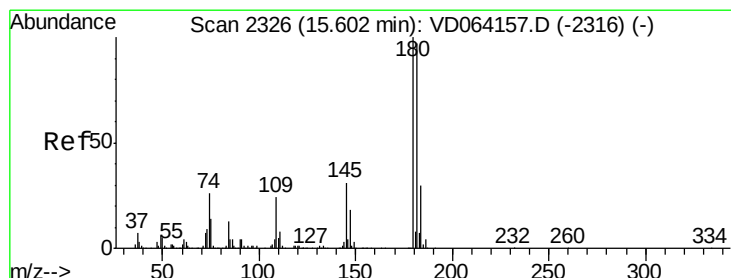
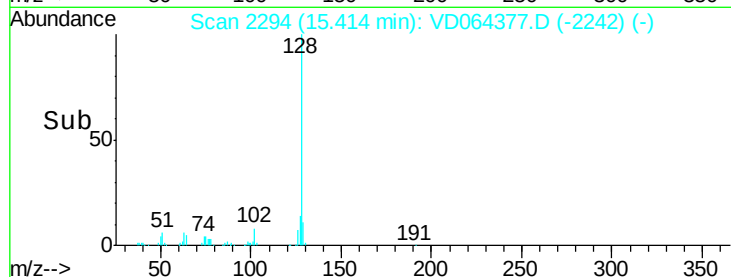
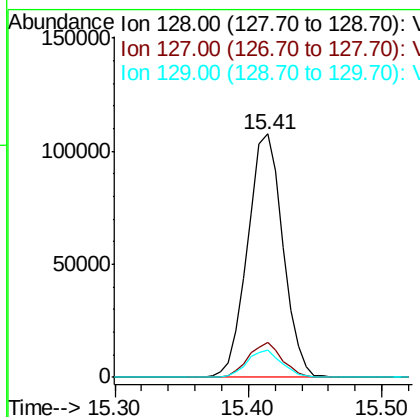
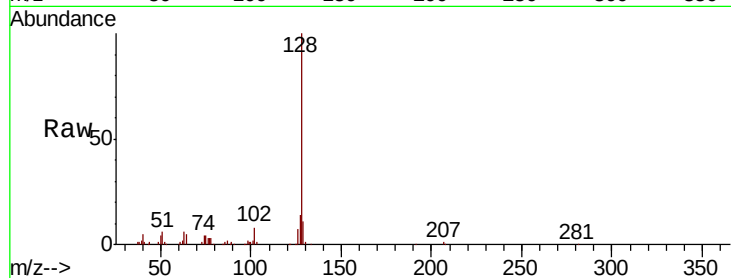
ClientSampleId :

VD1126SBS01

Tot Ion:	128	Resp:	196145
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.037 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064377.D

Acq: 26 Nov 2019 11:56

Tgt Ion:	180	Resp:	103164
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.3	144.9
145	30.6	15.3	45.8

