

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103019\
 Data File : VD064110.D
 Acq On : 30 Oct 2019 12:56
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:39:16 PM

Quant Time: Oct 31 04:17:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	222416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	334662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	310170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	91354	51.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.92	113	103252	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.34	98	401919	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.64	95	131724	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	49014	21.581	ug/l	97
3) Chloromethane	2.21	50	79207	20.903	ug/l	97
4) Vinyl Chloride	2.35	62	86344	21.012	ug/l	99
5) Bromomethane	2.76	94	52756	19.700	ug/l	98
6) Chloroethane	2.91	64	52872	20.715	ug/l #	85
7) Trichlorofluoromethane	3.27	101	117134	20.707	ug/l	97
8) Diethyl Ether	3.70	74	19415	19.745	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	41150	20.186	ug/l	99
10) Methyl Iodide	4.30	142	47668	18.873	ug/l #	90
11) Tert butyl alcohol	5.25	59	7103	74.248	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	40303	20.889	ug/l	89
13) Acrolein	3.92	56	10719	95.037	ug/l	92
14) Allyl chloride	4.71	41	45844	20.301	ug/l	98
15) Acrylonitrile	5.42	53	34912	96.121	ug/l	97
16) Acetone	4.17	43	31520	93.652	ug/l #	76
17) Carbon Disulfide	4.40	76	120068	20.251	ug/l	98
18) Methyl Acetate	4.73	43	15840	17.693	ug/l #	79
19) Methyl tert-butyl Ether	5.48	73	76079	19.433	ug/l	93
20) Methylene Chloride	4.96	84	47700	19.716	ug/l #	83
21) trans-1,2-Dichloroethene	5.47	96	44050	20.339	ug/l	90
22) Diisopropyl ether	6.36	45	96369	19.269	ug/l	95
23) Vinyl Acetate	6.31	43	277192	101.115	ug/l	99
24) 1,1-Dichloroethane	6.26	63	69509	20.582	ug/l	94
25) 2-Butanone	7.23	43	42963	92.336	ug/l	93
26) 2,2-Dichloropropane	7.21	77	61462	19.175	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	49280	20.335	ug/l	97
28) Bromochloromethane	7.55	49	19785	16.603	ug/l	99
29) Tetrahydrofuran	7.57	42	27565	101.510	ug/l	96
30) Chloroform	7.71	83	77682	20.102	ug/l	97
31) Cyclohexane	7.98	56	64481	19.598	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	73829	20.524	ug/l	96
36) 1,1-Dichloropropene	8.12	75	60925	19.428	ug/l	99
37) Ethyl Acetate	7.30	43	19801	20.514	ug/l #	95
38) Carbon Tetrachloride	8.10	117	70027	20.467	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76247	19.807	ug/l	91
40) Benzene	8.35	78	166703	19.494	ug/l	95
41) Methacrylonitrile	7.52	41	9488	17.033	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	44098	19.522	ug/l	99
43) Isopropyl Acetate	8.46	43	36315	18.617	ug/l	98
44) Trichloroethene	9.11	130	54771	21.132	ug/l	99
45) 1,2-Dichloropropane	9.39	63	37875	19.111	ug/l	97
46) Dibromomethane	9.48	93	22623	18.954	ug/l	98
47) Bromodichloromethane	9.66	83	58754	19.512	ug/l	95
48) Methyl methacrylate	9.46	41	17604	19.515	ug/l	95
49) 1,4-Dioxane	9.46	88	6021	440.698	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	98598	92.846	ug/l	100
52) Toluene	10.41	92	115273	19.235	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	53132	18.903	ug/l	89
54) cis-1,3-Dichloropropene	10.09	75	64270	19.435	ug/l #	92
55) 1,1,2-Trichloroethane	10.81	97	32698	19.322	ug/l #	91
56) Ethyl methacrylate	10.67	69	35104	19.055	ug/l	94
57) 1,3-Dichloropropane	10.95	76	50770	18.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	72854	98.268	ug/l	100
59) 2-Hexanone	10.99	43	68859	88.750	ug/l	100
60) Dibromochloromethane	11.14	129	42773	18.622	ug/l	98
61) 1,2-Dibromoethane	11.25	107	33025	19.513	ug/l	99
64) Tetrachloroethene	10.88	164	47980	21.532	ug/l	96
65) Chlorobenzene	11.67	112	129605	20.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	47516	19.814	ug/l	98
67) Ethyl Benzene	11.75	91	230405	20.213	ug/l	94
68) m/p-Xylenes	11.86	106	186905	40.764	ug/l	99
69) o-Xylene	12.18	106	82106	19.622	ug/l	97
70) Styrene	12.20	104	142191	19.703	ug/l	98
71) Bromoform	12.37	173	25611	19.997	ug/l #	95
73) Isopropylbenzene	12.48	105	230286	20.139	ug/l	96
74) N-amyl acetate	12.29	43	35243	18.552	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	36184	20.076	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	24681m	22.322	ug/l	
77) Bromobenzene	12.77	156	58837	21.311	ug/l	94
78) n-propylbenzene	12.83	91	271739	20.279	ug/l	99
79) 2-Chlorotoluene	12.91	91	147015	20.466	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	198071	20.697	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10689	19.743	ug/l	95
82) 4-Chlorotoluene	13.01	91	155338	20.238	ug/l	99
83) tert-Butylbenzene	13.23	119	178474	20.763	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	195202	20.305	ug/l	99
85) sec-Butylbenzene	13.41	105	240562	20.380	ug/l	100
86) p-Isopropyltoluene	13.52	119	229142	20.660	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	114408	20.679	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	110514	20.263	ug/l	98
89) n-Butylbenzene	13.85	91	201734	19.720	ug/l	95
90) Hexachloroethane	14.11	117	42458	20.447	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	95519	20.061	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5407	20.541	ug/l	92

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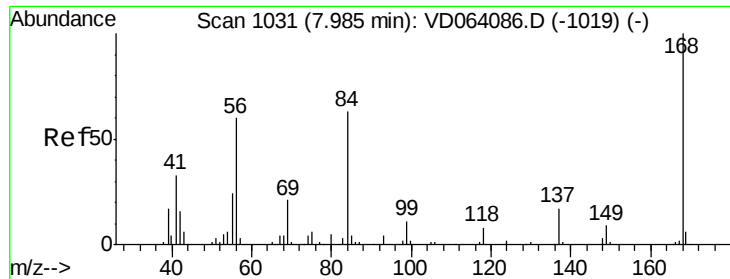
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	71712	20.952	ug/l	99
94) Hexachlorobutadiene	15.28	225	43888	21.940	ug/l	98
95) Naphthalene	15.41	128	111715	20.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	58404	19.700	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion:168 Resp: 222416

Ion Ratio Lower Upper

168 100

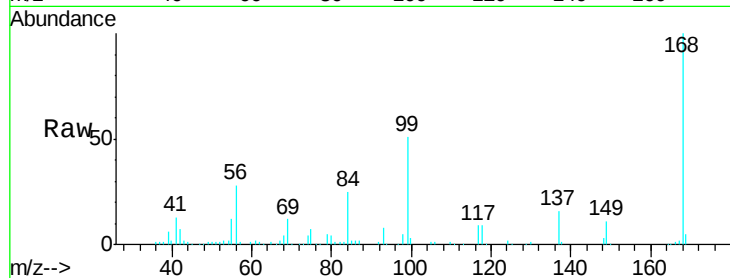
99 50.0 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

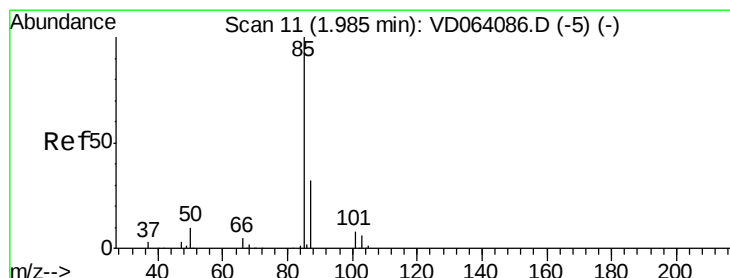
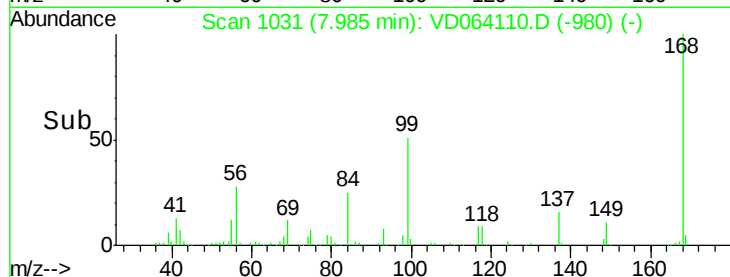
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.581 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064110.D

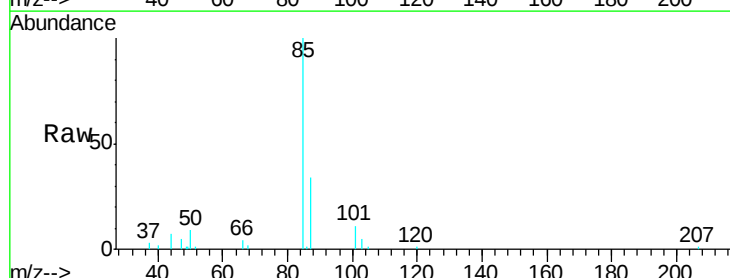
Acq: 30 Oct 2019 12:56

Tgt Ion: 85 Resp: 49014

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

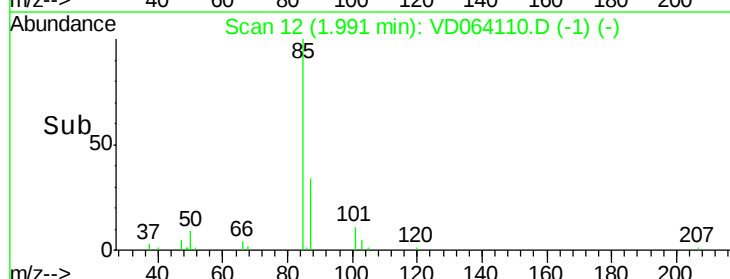
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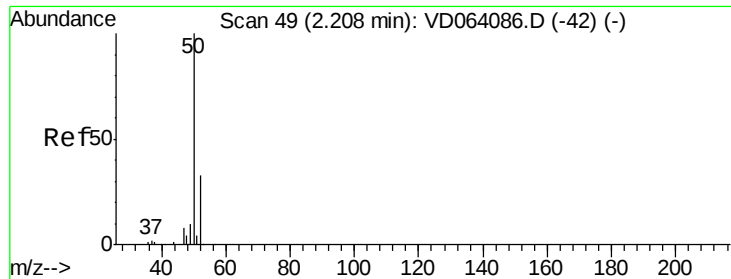
20000

10000

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Time-->





#3

Chloromethane

Concen: 20.903 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 50 Resp: 79207

Ion Ratio Lower Upper

50 100

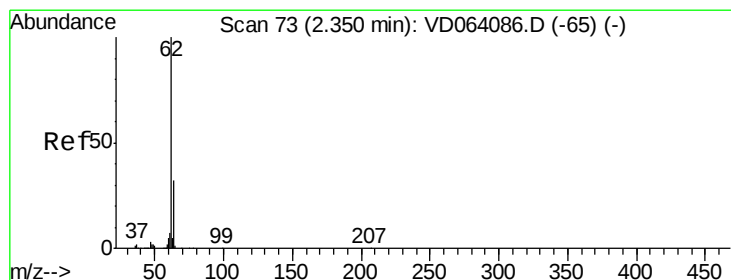
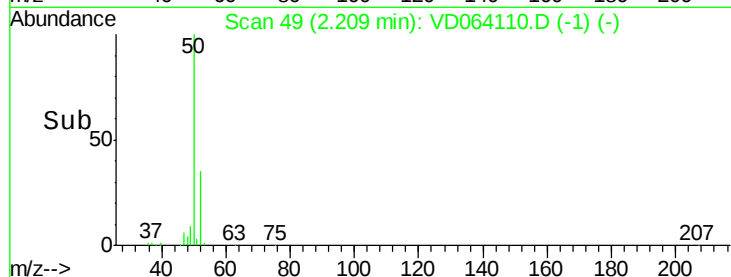
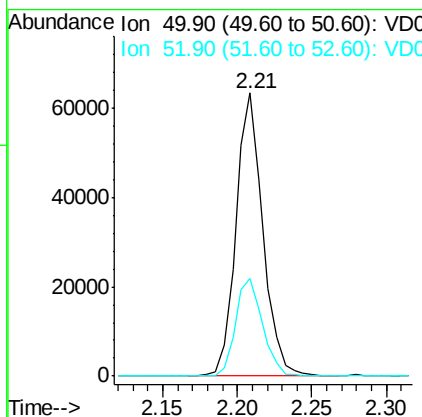
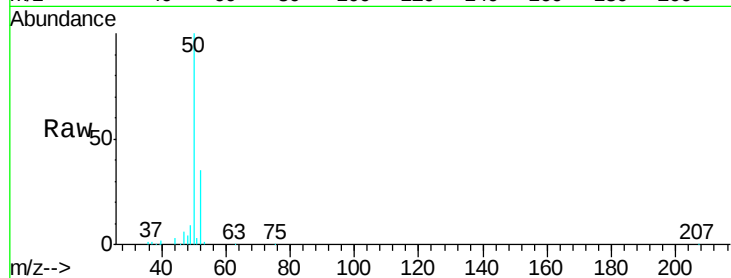
52 34.5 26.5 39.7

Manual Integrations

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10/31/2019 3:39:16 PM



#4

Vinyl Chloride

Concen: 21.012 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064110.D

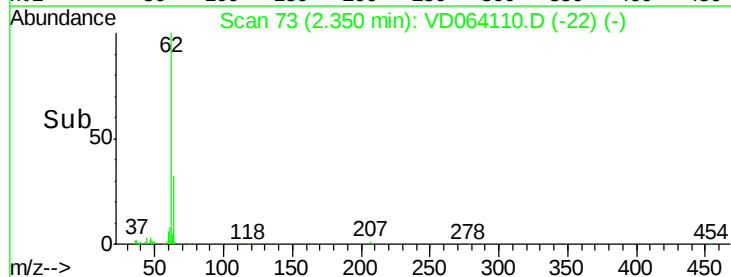
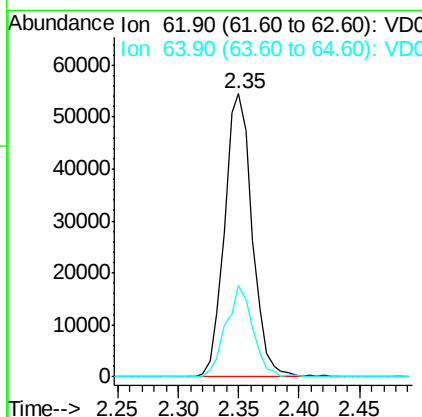
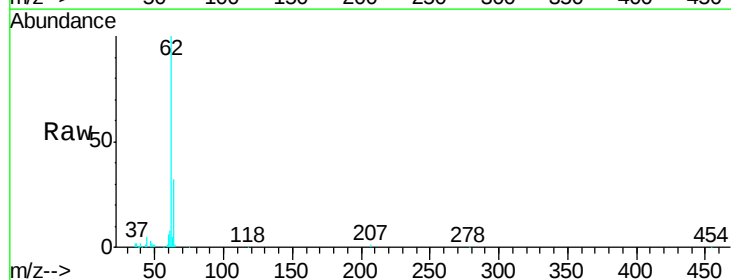
Acq: 30 Oct 2019 12:56

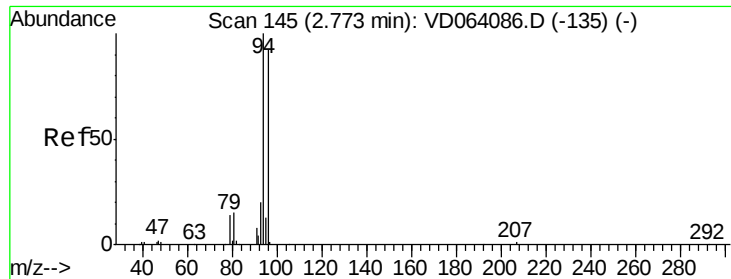
Tgt Ion: 62 Resp: 86344

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 19.700 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 94 Resp: 52756

Ion Ratio Lower Upper

94 100

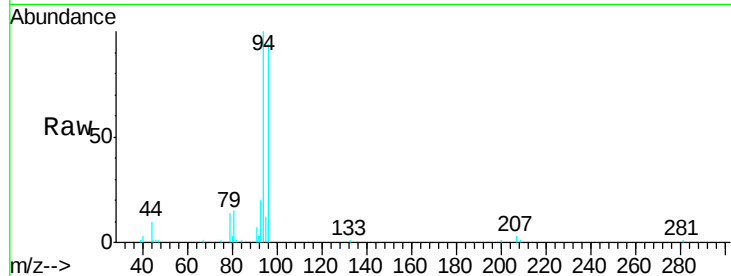
96 94.0 73.9 110.9

Manual Integrations

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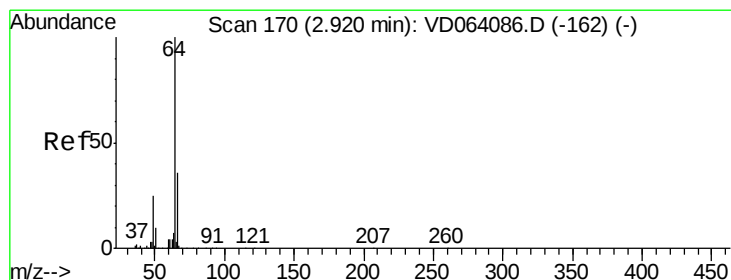
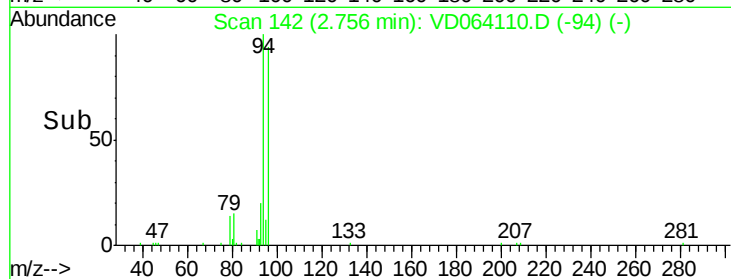
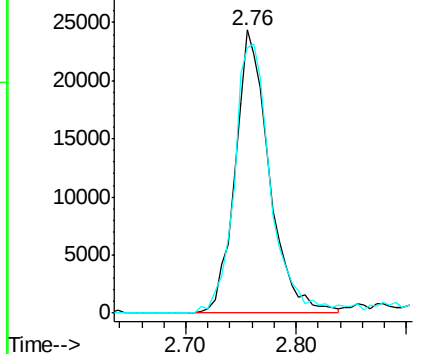
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.715 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064110.D

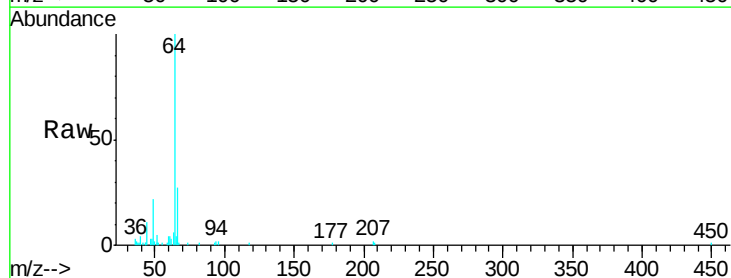
Acq: 30 Oct 2019 12:56

Tgt Ion: 64 Resp: 52872

Ion Ratio Lower Upper

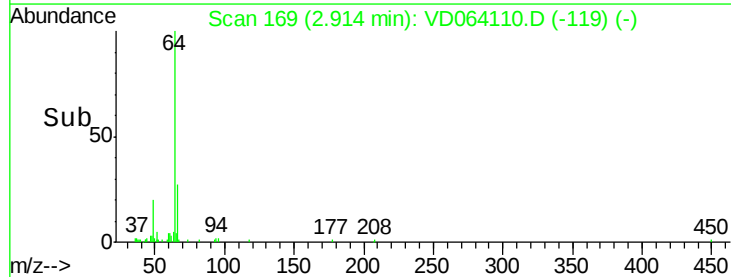
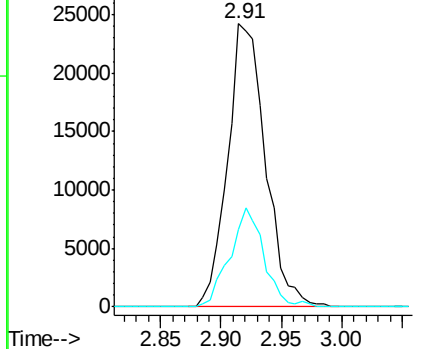
64 100

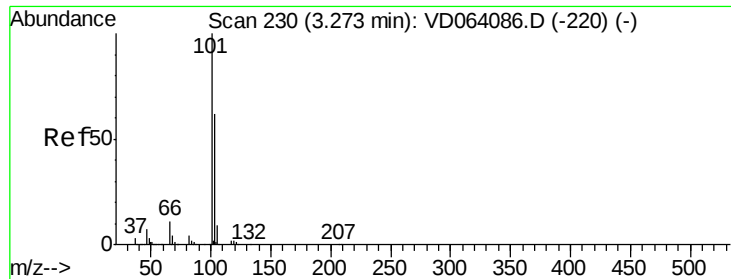
66 27.3 28.7 43.1#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

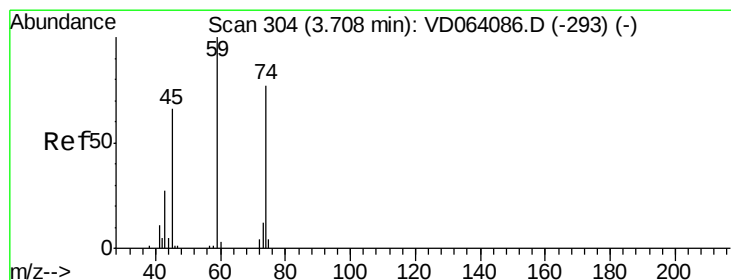
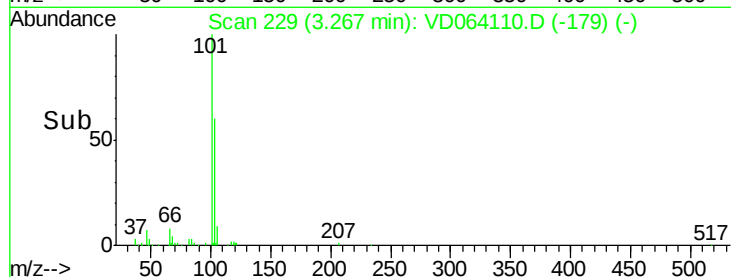
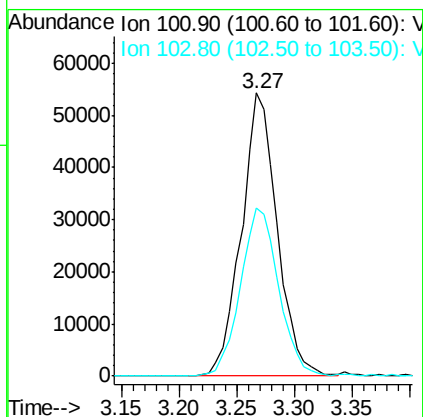
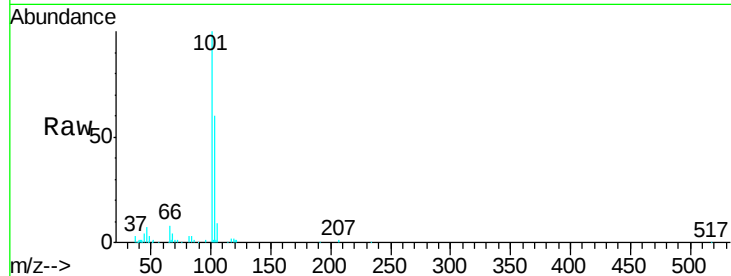
Trichlorofluoromethane
 Concen: 20.707 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	117134		
103	59.6	49.6	74.4	

Manual Integrations
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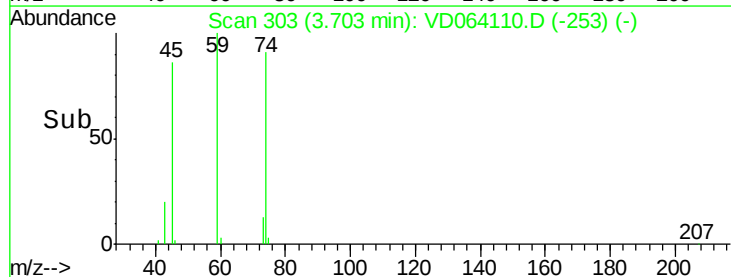
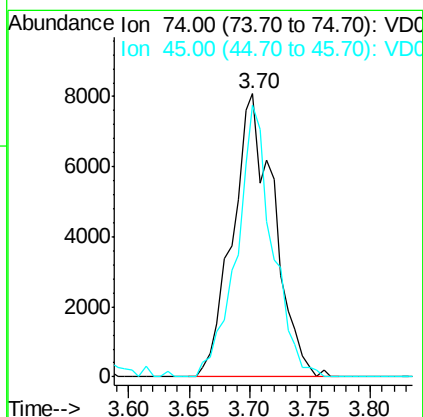
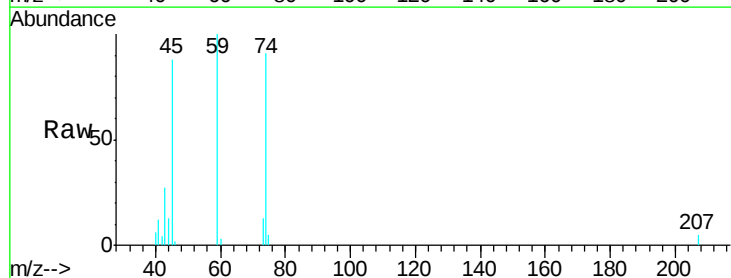
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 10/31/2019 3:39:16 PM

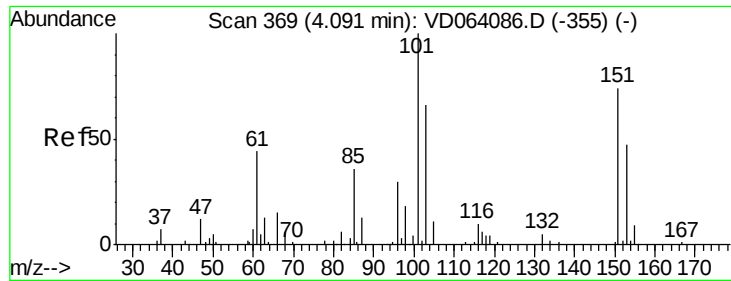


#8

Diethyl Ether
 Concen: 19.745 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	19415		
45	82.2	44.1	132.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.186 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064110.D

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Instrument :

MSVOA_D

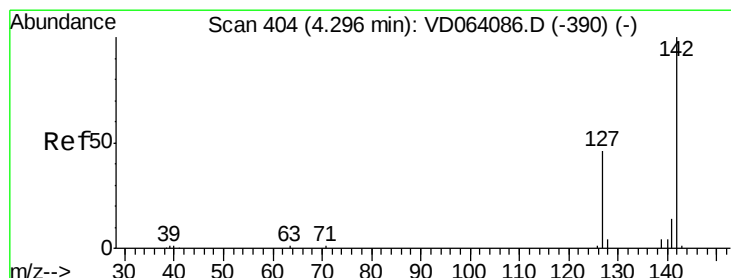
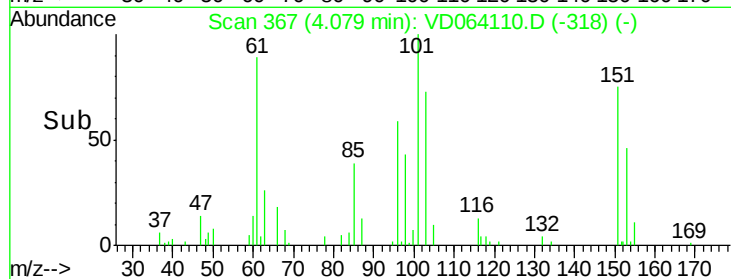
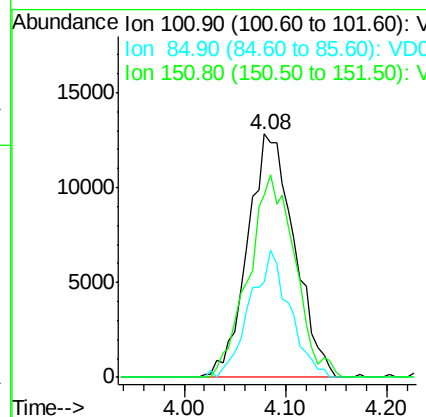
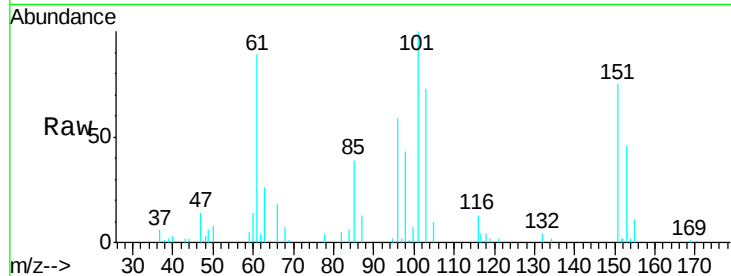
ClientSampleId :

VD1030SBS01

Tgt Ion:	101	Resp:	41150
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.3	52.9
151	82.6	67.0	100.6

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#10

Methyl Iodide

Concen: 18.873 ug/l

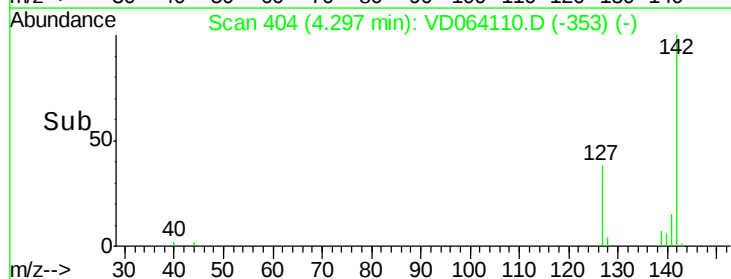
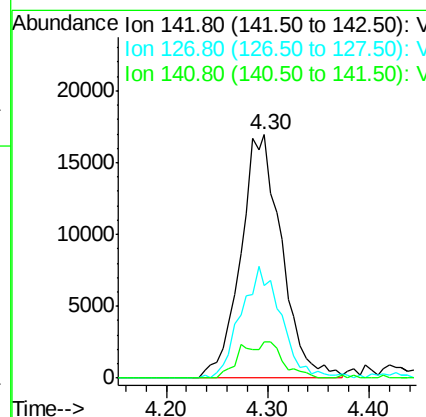
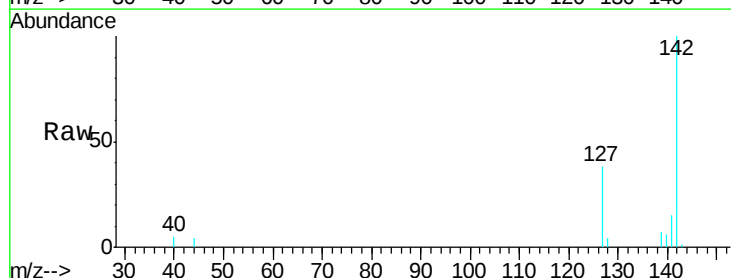
RT: 4.30 min Scan# 404

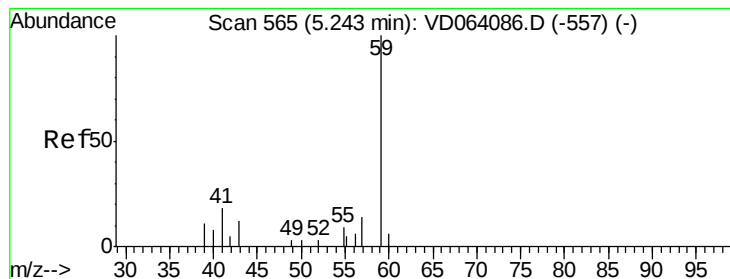
Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion:	142	Resp:	47668
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.1	52.7
141	0.0	11.6	17.4#





#11

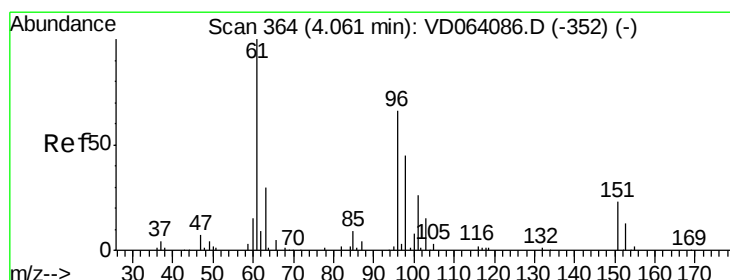
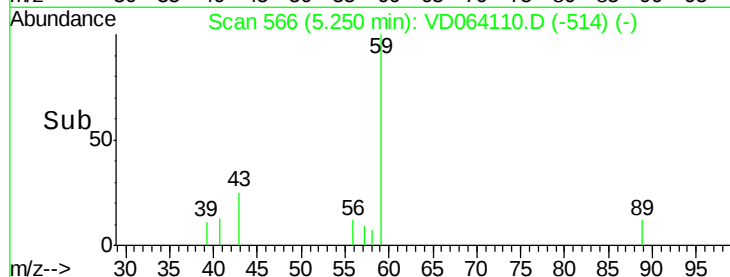
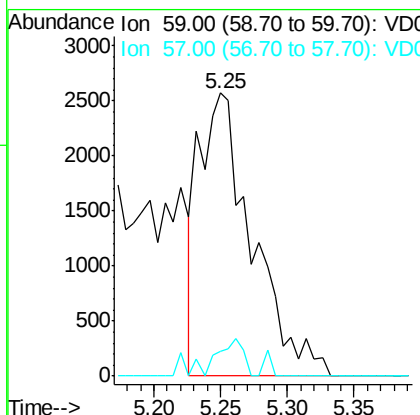
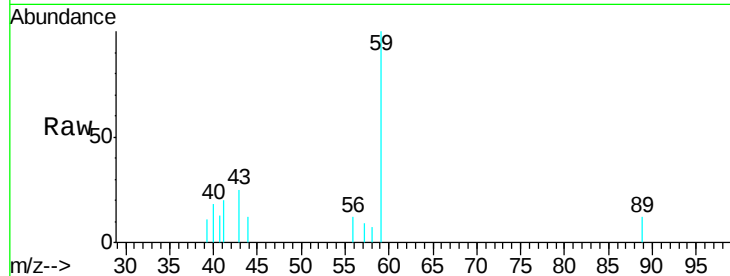
Tert butyl alcohol
Concen: 74.248 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 59 Resp: 7103
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

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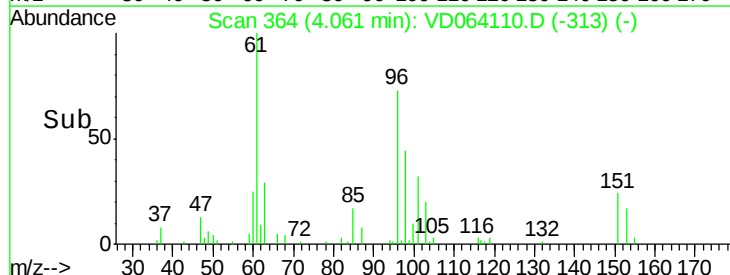
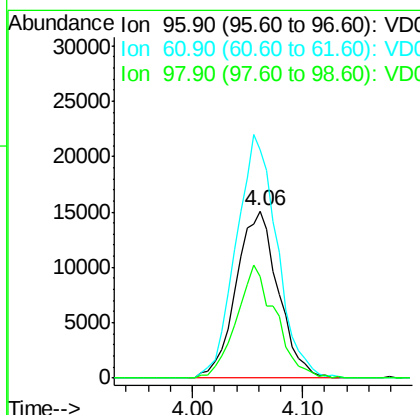
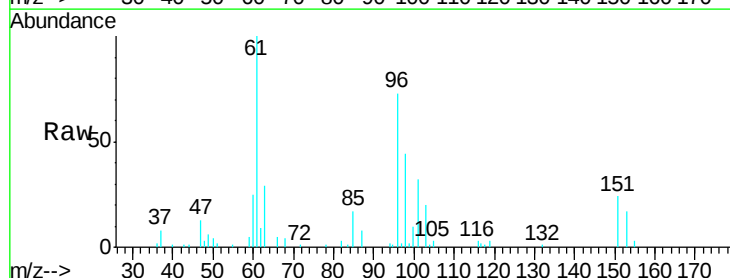
MMDadoda
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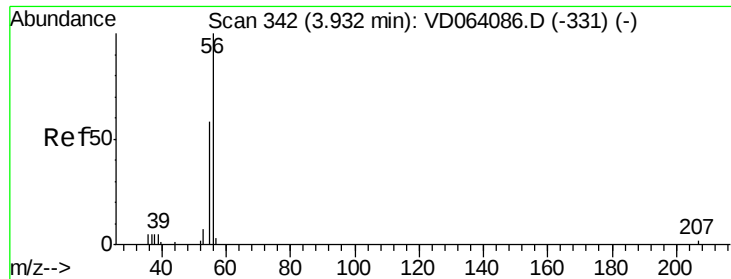


#12

1,1-Dichloroethene
Concen: 20.889 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 96 Resp: 40303
Ion Ratio Lower Upper
96 100
61 136.9 121.8 182.6
98 60.8 55.4 83.0





#13

Acrolein

Concen: 95.037 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 56 Resp: 10719

Ion Ratio Lower Upper

56 100

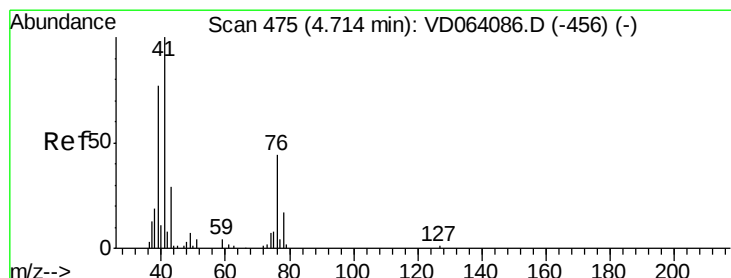
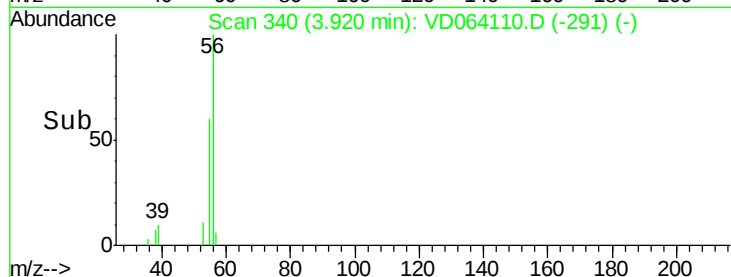
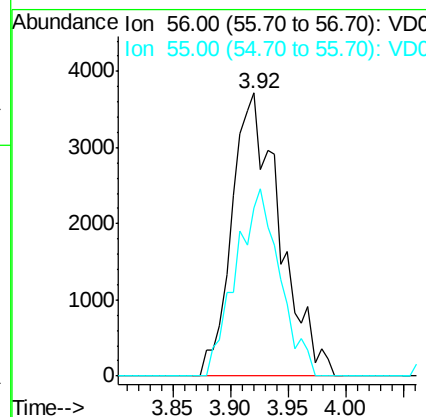
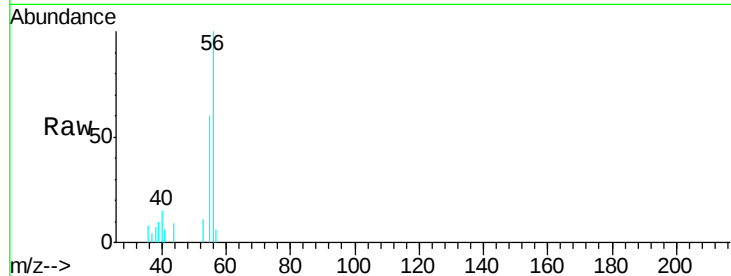
55 60.6 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.301 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

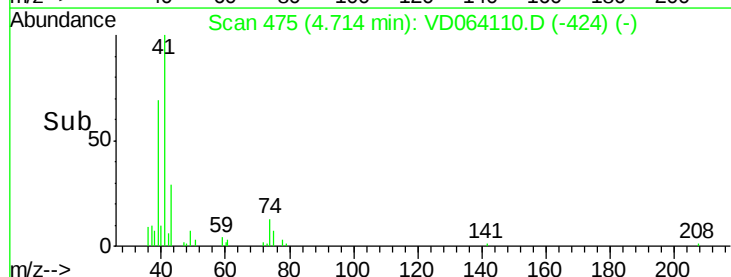
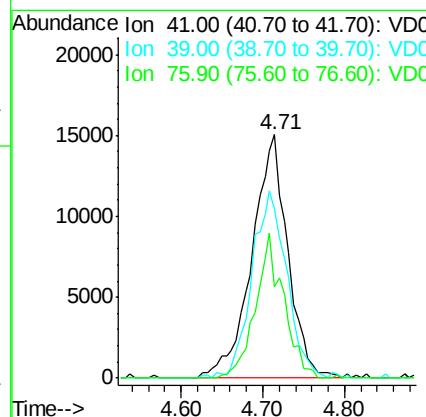
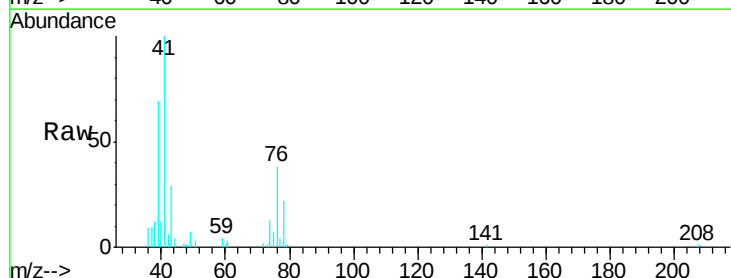
Tgt Ion: 41 Resp: 45844

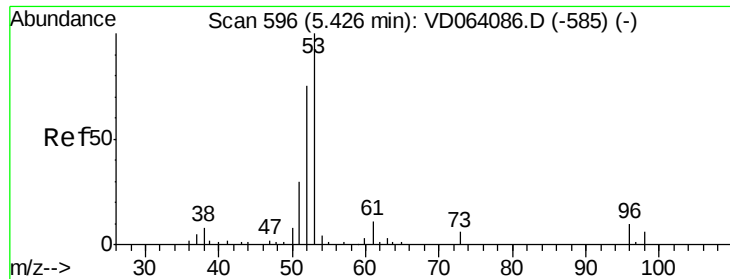
Ion Ratio Lower Upper

41 100

39 75.0 61.5 92.3

76 46.7 36.2 54.4





#15

Acrylonitrile

Concen: 96.121 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

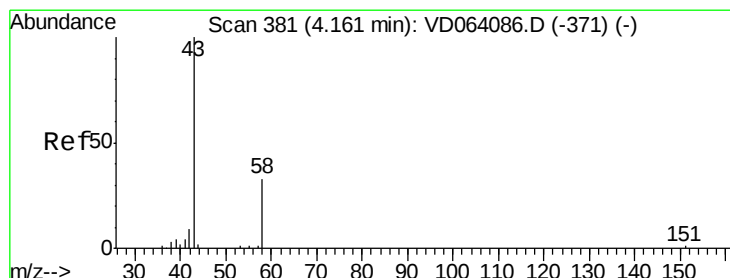
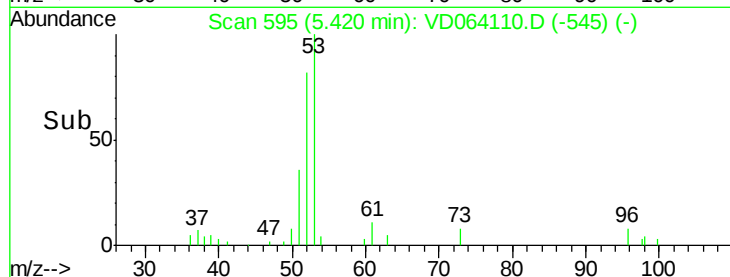
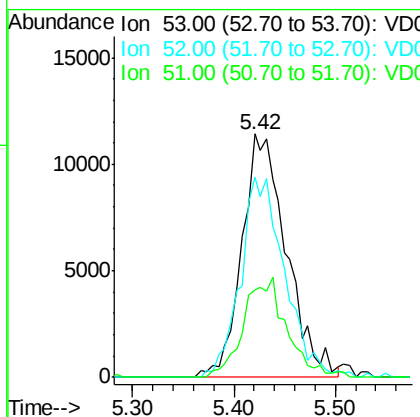
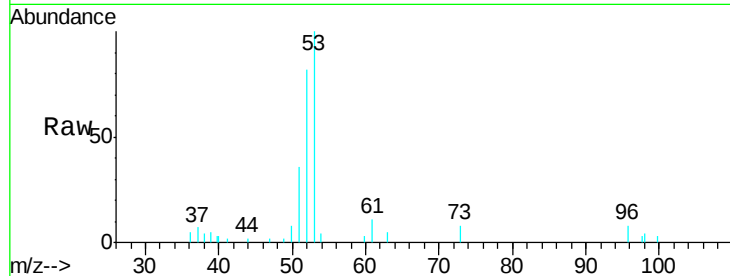
ClientSampleId :

VD1030SBS01

Tgt Ion:	53	Resp:	34912
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	39.7	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 93.652 ug/l

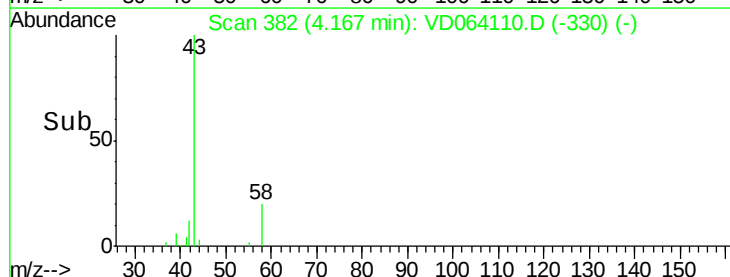
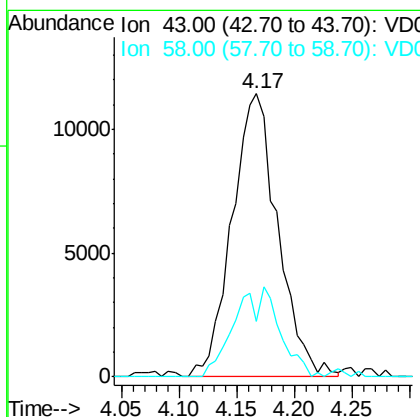
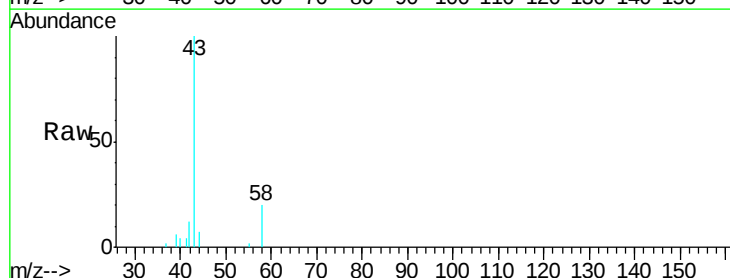
RT: 4.17 min Scan# 382

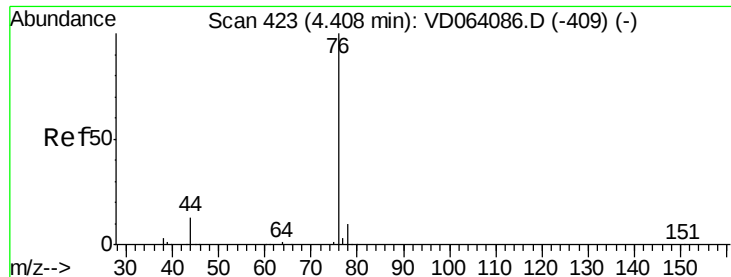
Delta R.T. 0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion:	43	Resp:	31520
Ion	Ratio	Lower	Upper
43	100		
58	19.6	26.3	39.5#





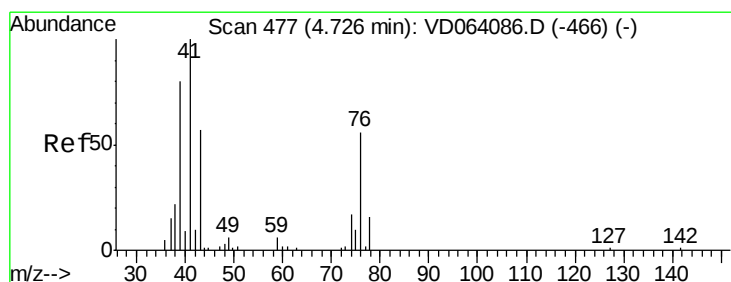
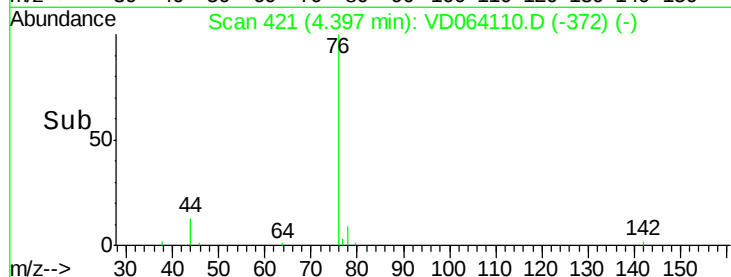
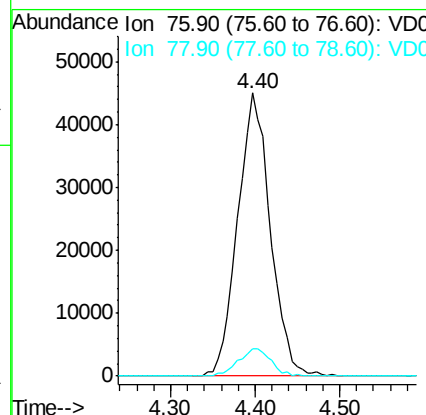
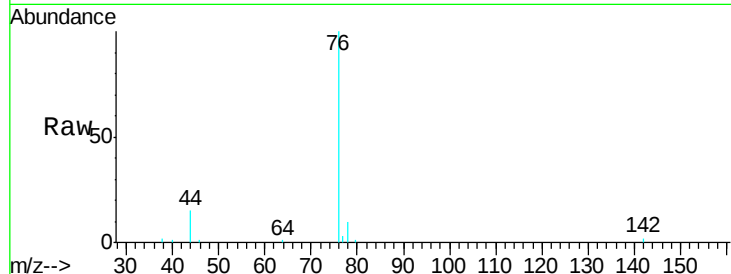
#17
Carbon Disulfide
Concen: 20.251 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 76 Resp: 120068
Ion Ratio Lower Upper
76 100
78 9.5 8.1 12.1

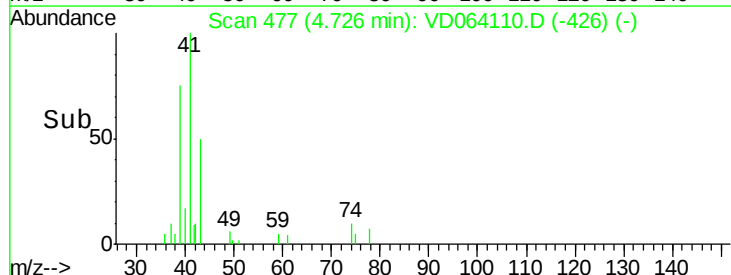
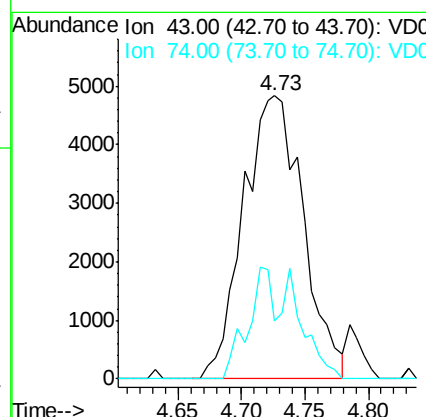
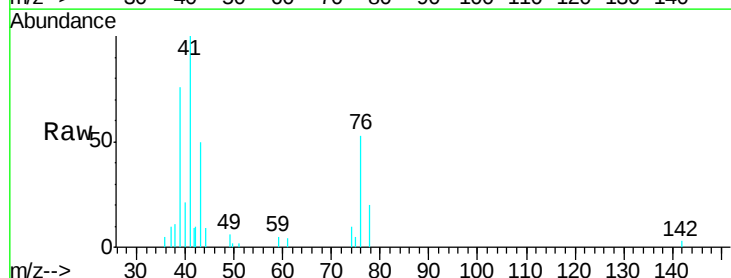
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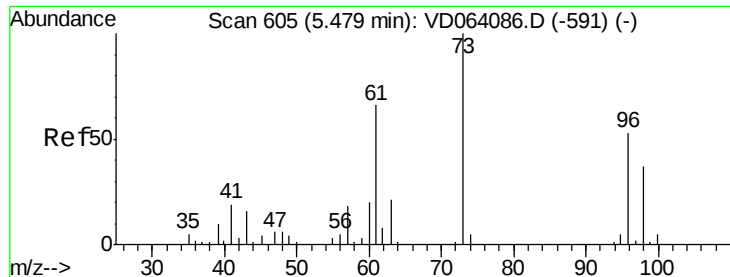
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#18
Methyl Acetate
Concen: 17.693 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 43 Resp: 15840
Ion Ratio Lower Upper
43 100
74 16.9 22.2 33.4#





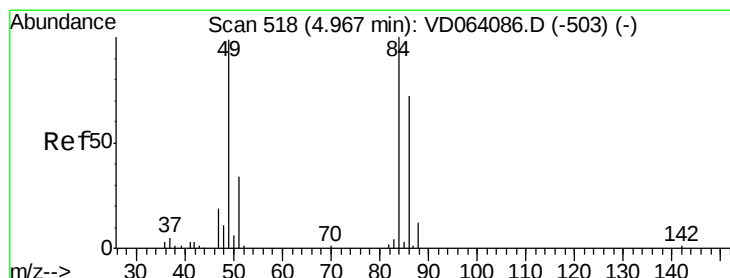
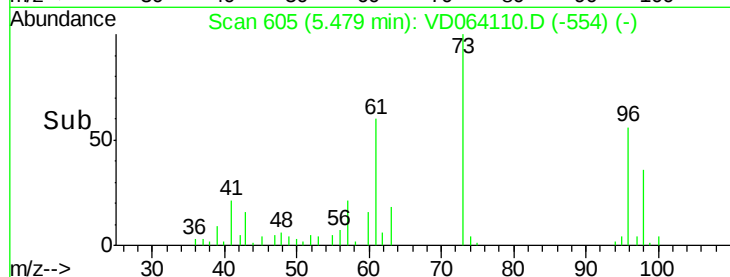
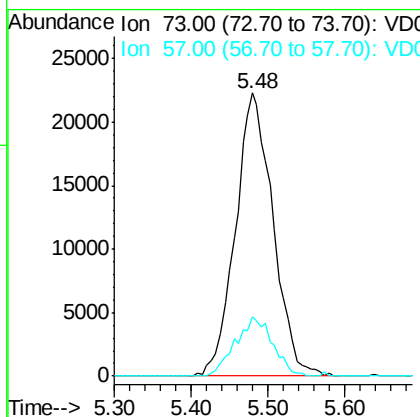
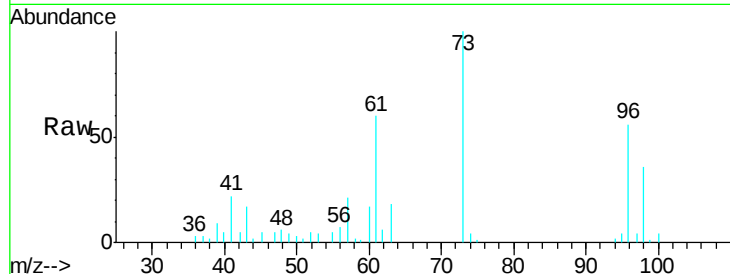
#19
Methyl tert-butyl Ether
Concen: 19.433 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 73 Resp: 76079
Ion Ratio Lower Upper
73 100
57 21.0 14.3 21.5

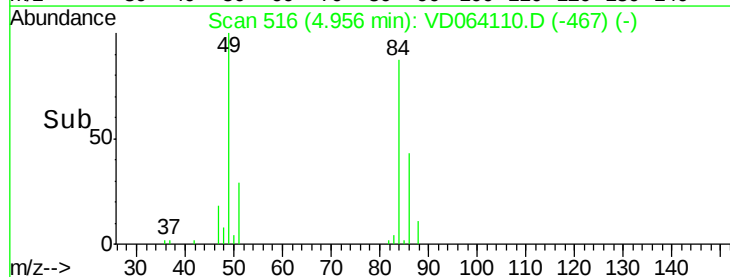
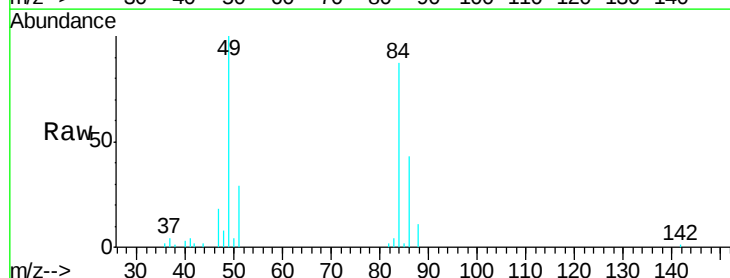
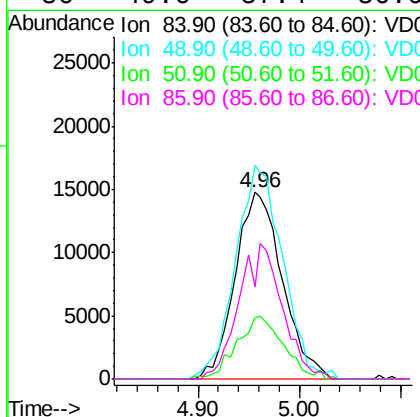
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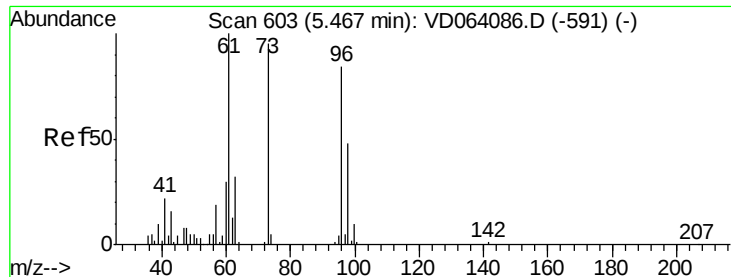
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#20
Methylene Chloride
Concen: 19.716 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 84 Resp: 47700
Ion Ratio Lower Upper
84 100
49 114.4 79.4 119.0
51 32.9 27.4 41.2
86 49.6 57.4 86.0#





#21

trans-1,2-Dichloroethene

Concen: 20.339 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

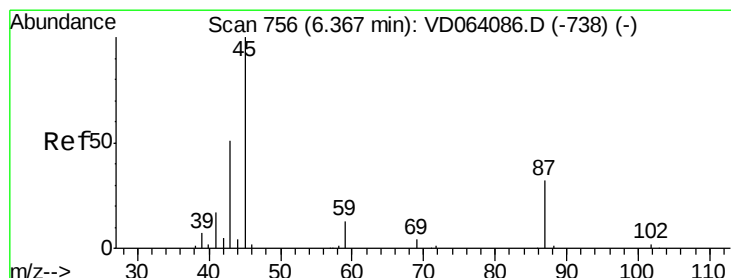
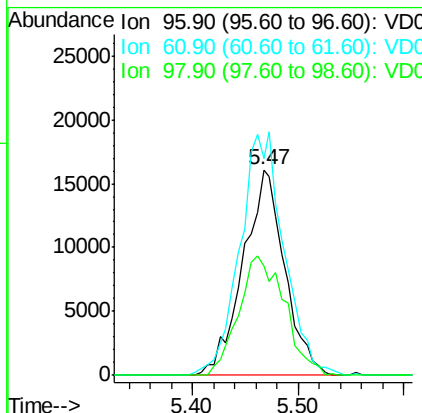
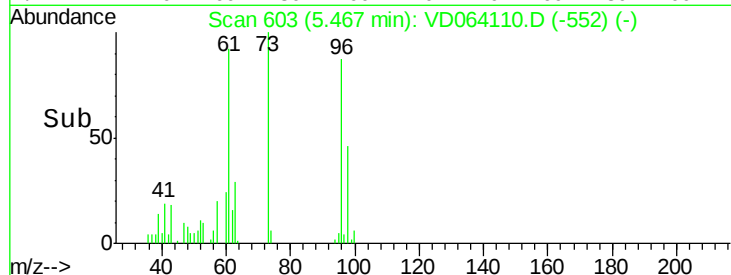
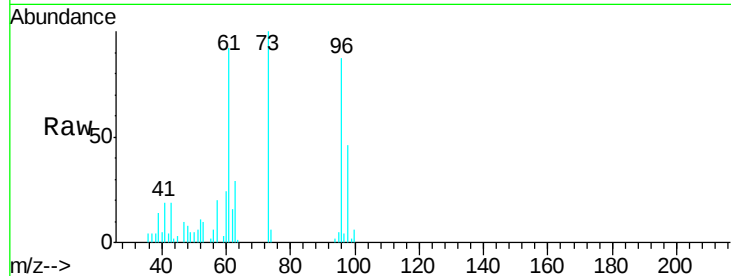
ClientSampleId :

VD1030SBS01

Tgt Ion:	96	Resp:	44050
Ion	Ratio	Lower	Upper
96	100		
61	105.5	95.0	142.6
98	53.4	45.8	68.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.269 ug/l

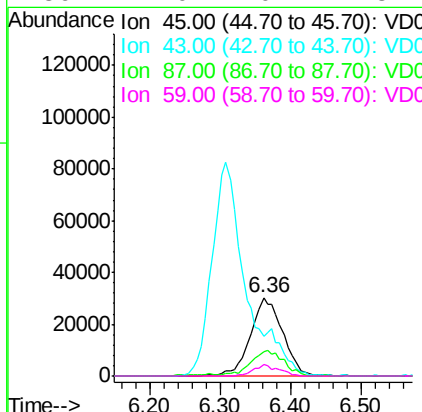
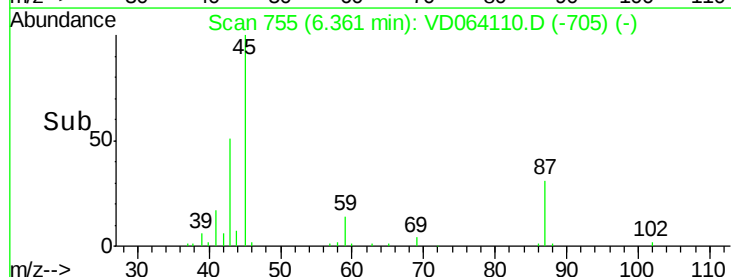
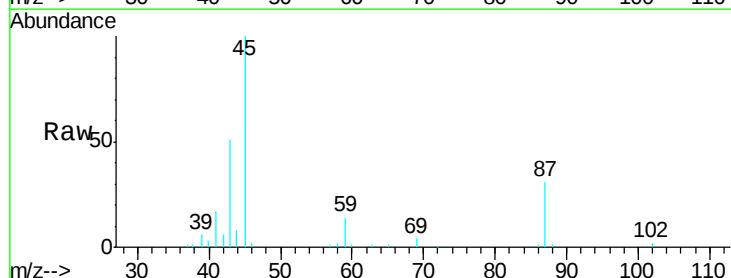
RT: 6.36 min Scan# 755

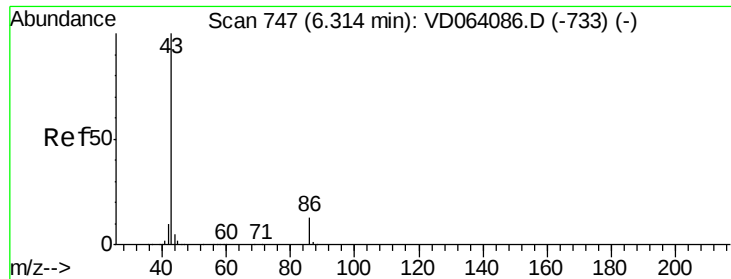
Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion:	45	Resp:	96369
Ion	Ratio	Lower	Upper
45	100		
43	50.7	44.3	66.5
87	30.9	26.6	39.8
59	14.0	10.2	15.2





#23

Vinyl Acetate

Concen: 101.115 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 43 Resp: 277192

Ion Ratio Lower Upper

43 100

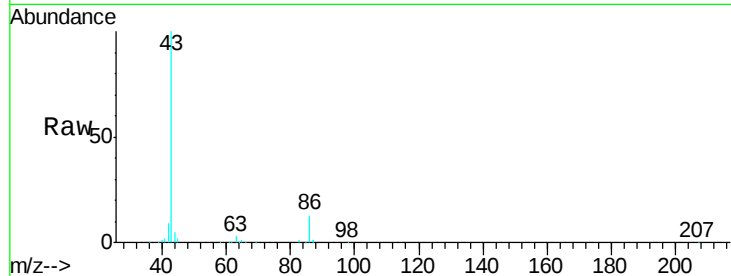
86 13.0 10.7 16.1

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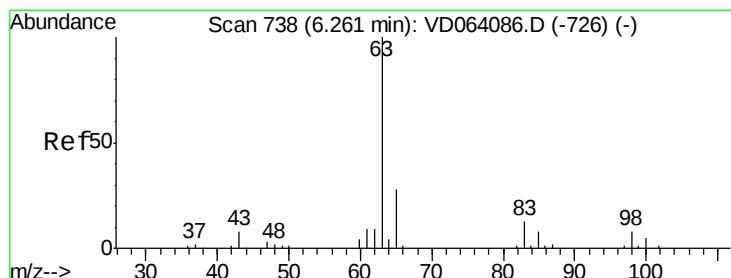
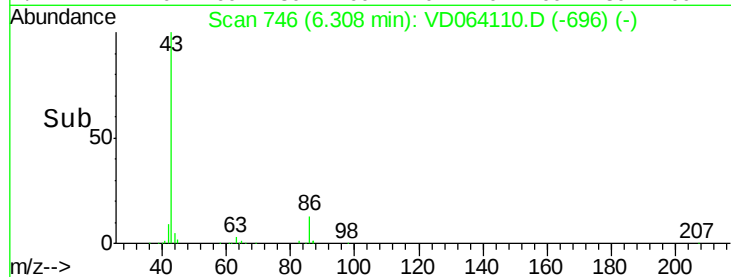
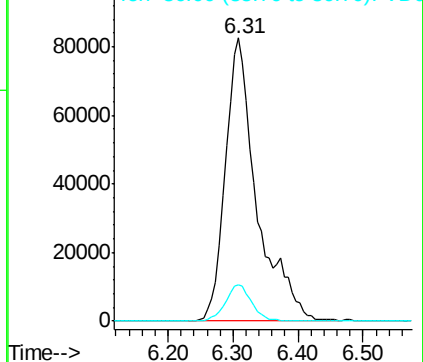
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.582 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

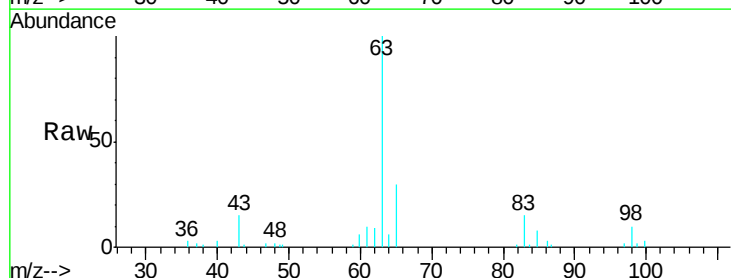
Tgt Ion: 63 Resp: 69509

Ion Ratio Lower Upper

63 100

98 10.3 4.0 11.9

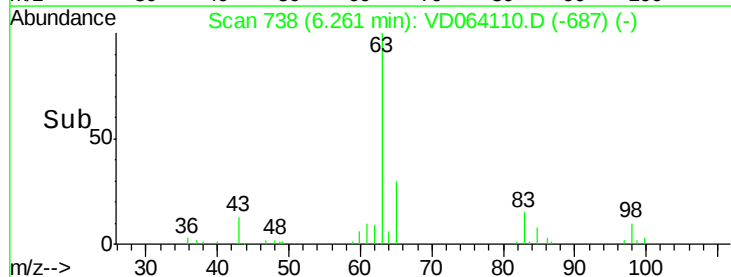
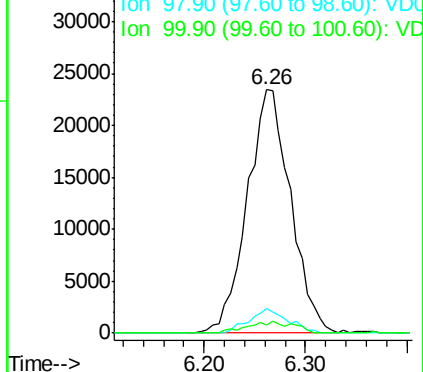
100 3.3 2.6 7.8

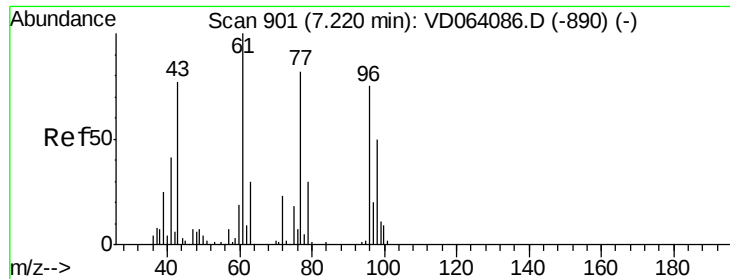


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 92.336 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 43 Resp: 42963

Ion Ratio Lower Upper

43 100

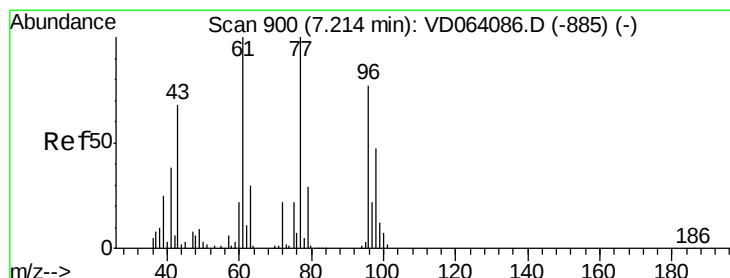
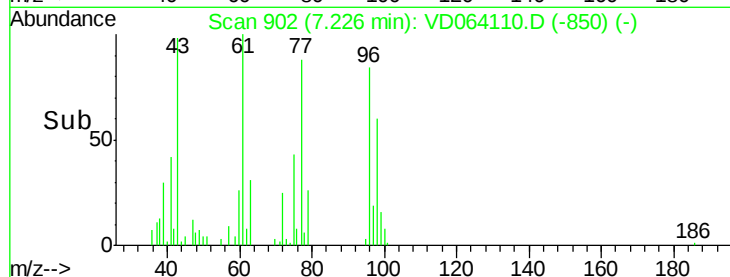
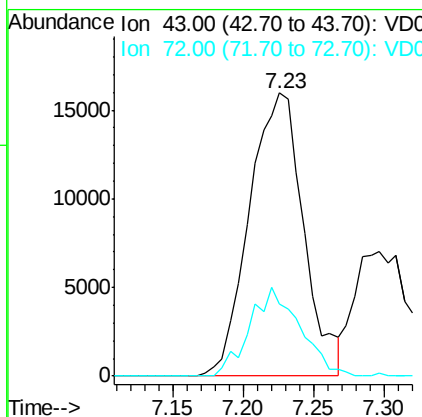
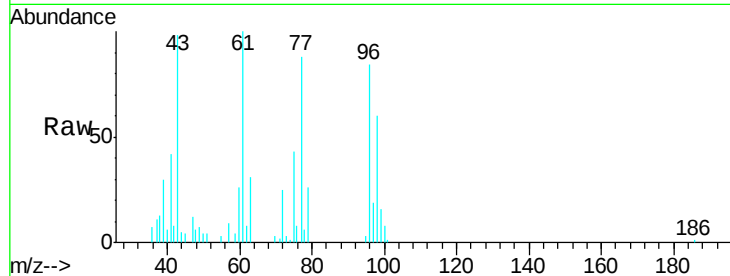
72 25.6 23.4 35.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.175 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064110.D

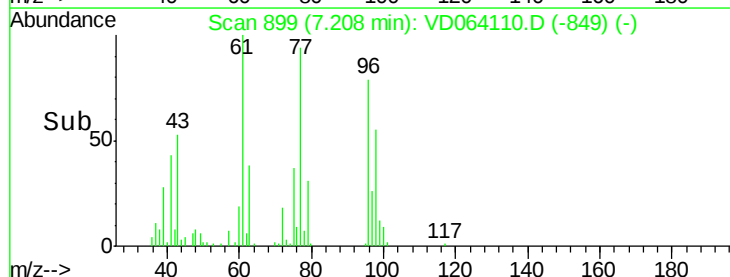
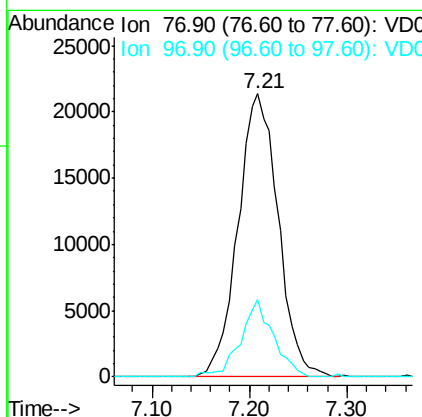
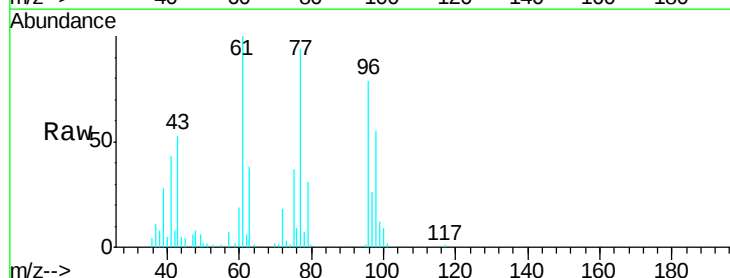
Acq: 30 Oct 2019 12:56

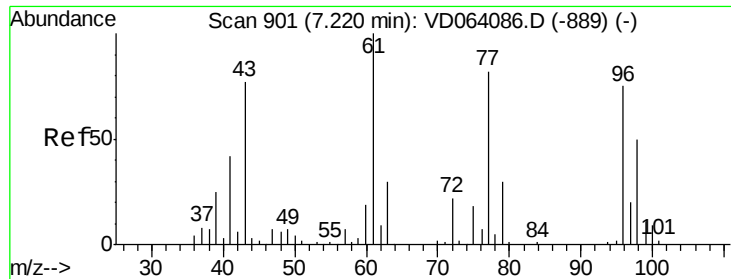
Tgt Ion: 77 Resp: 61462

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

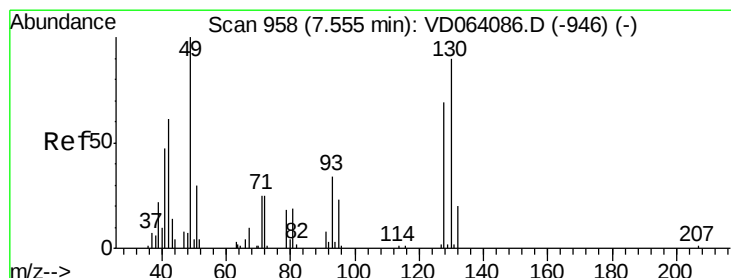
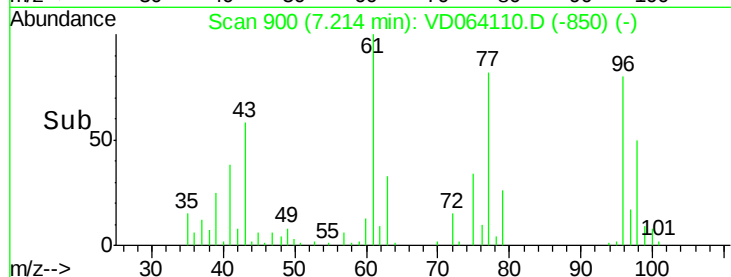
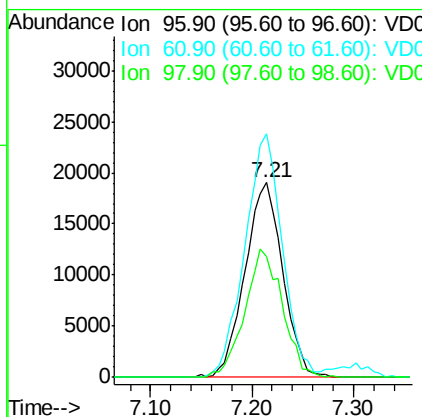
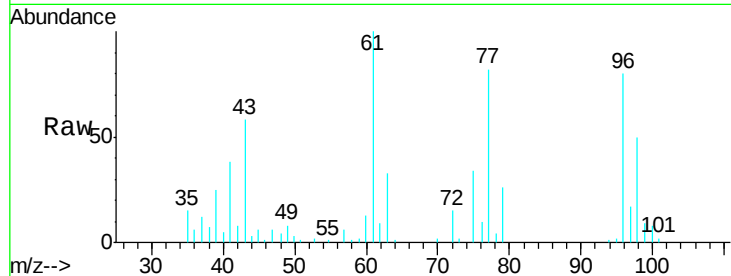
cis-1,2-Dichloroethene
Concen: 20.335 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	49280		
61	124.0	0.0	258.0	
98	65.4	0.0	130.8	

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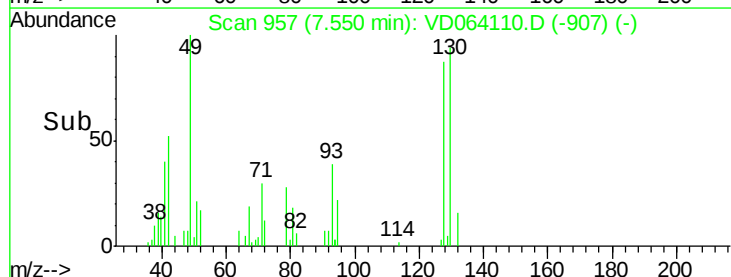
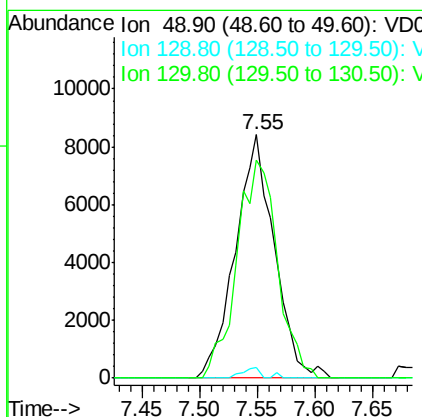
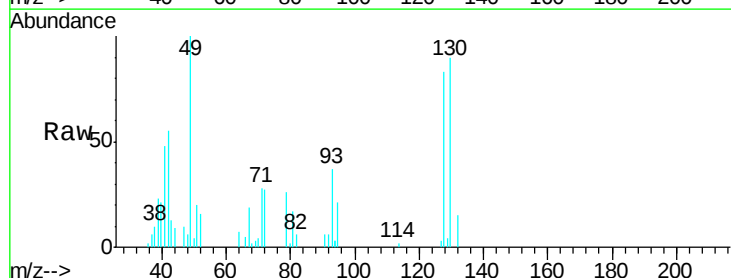
MMDadoda
10/31/2019 3:39:16 PM

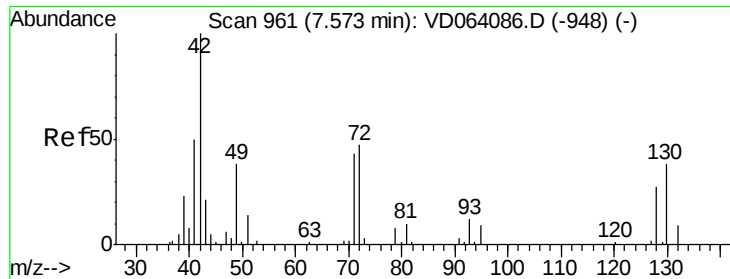


#28

Bromochloromethane
Concen: 16.603 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19785		
129	1.9	0.0	5.4	
130	92.7	75.3	112.9	





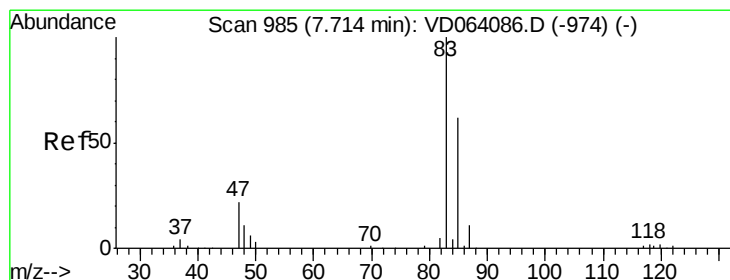
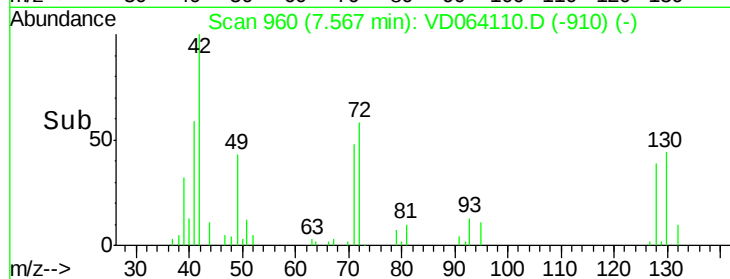
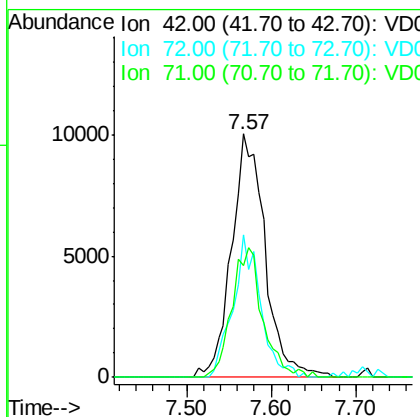
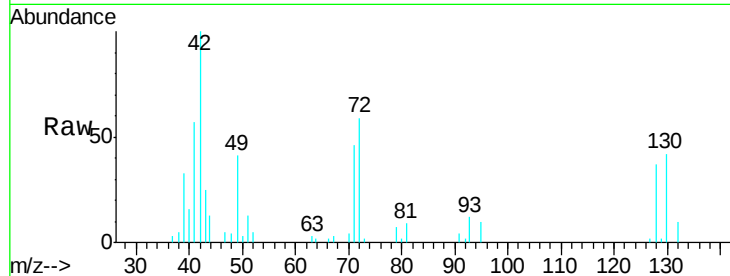
#29
Tetrahydrofuran
Concen: 101.510 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.0	38.9	58.3
71	48.7	35.4	53.2

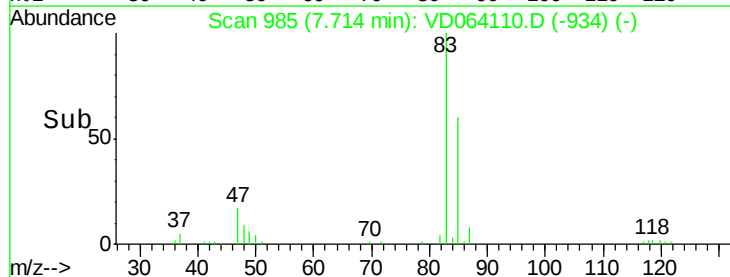
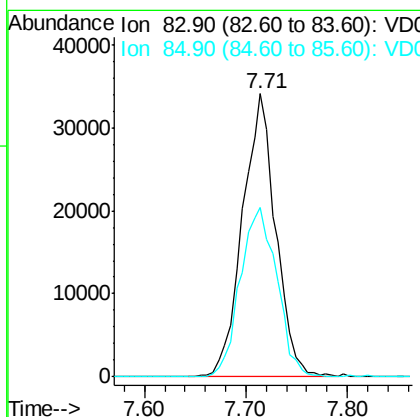
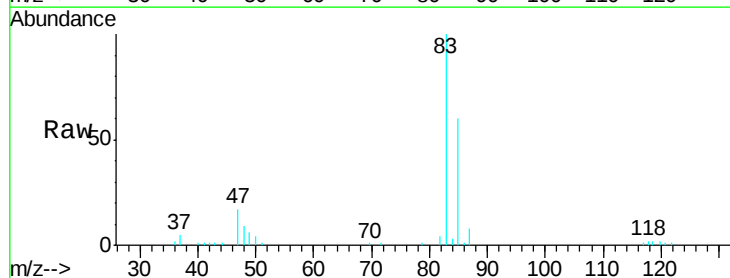
Manual Integrations
APPROVED

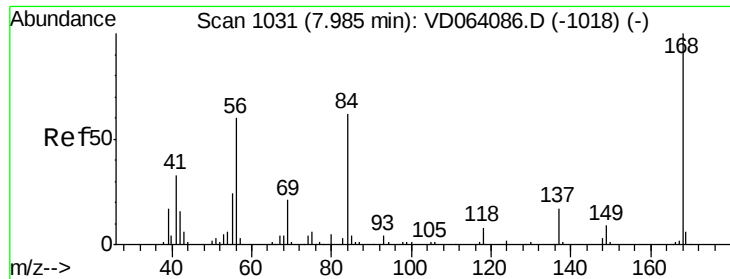
MMDadoda
10/31/2019 3:39:16 PM



#30
Chloroform
Concen: 20.102 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	49.8	74.6





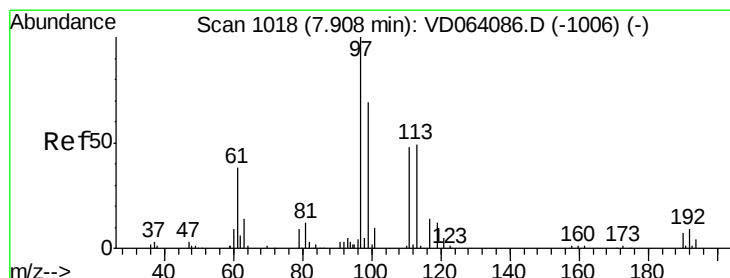
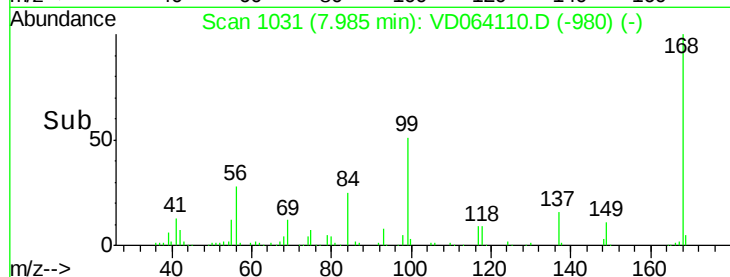
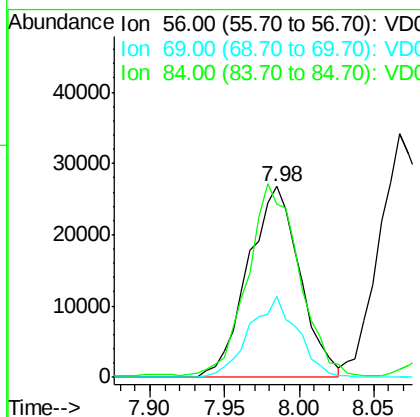
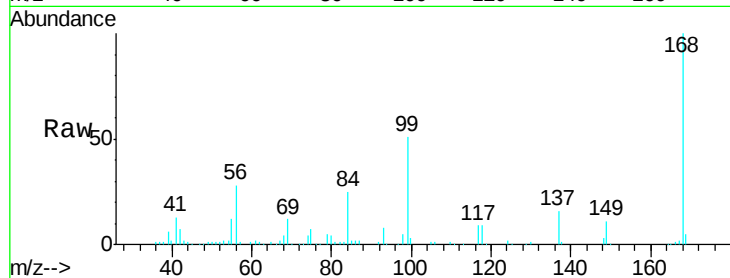
#31
Cyclohexane
Concen: 19.598 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	42.3	27.7	41.5#
84	89.0	83.1	124.7

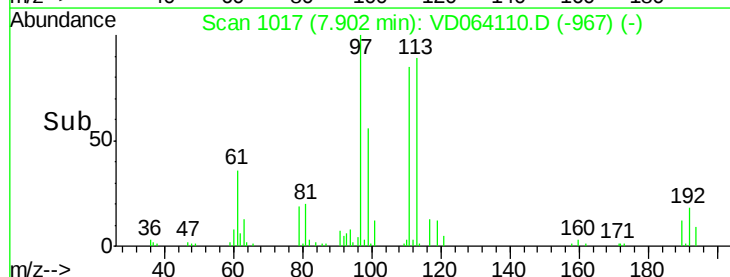
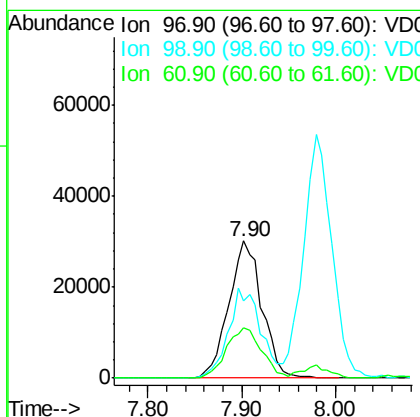
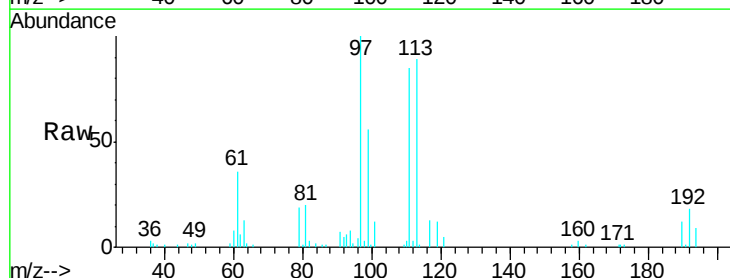
Manual Integrations
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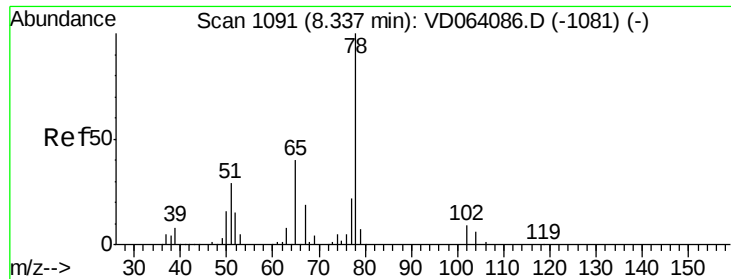
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#32
1,1,1-Trichloroethane
Concen: 20.524 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	53.7	80.5
61	38.8	31.8	47.6





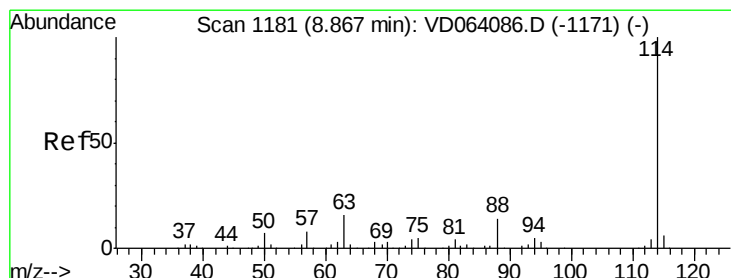
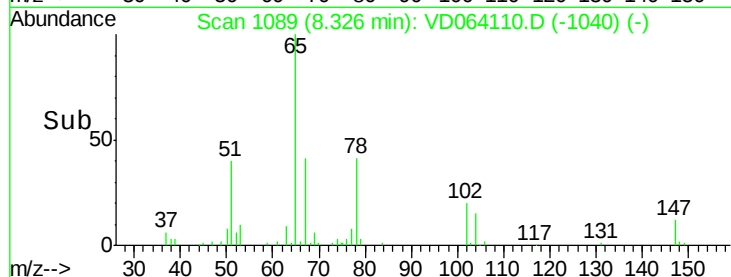
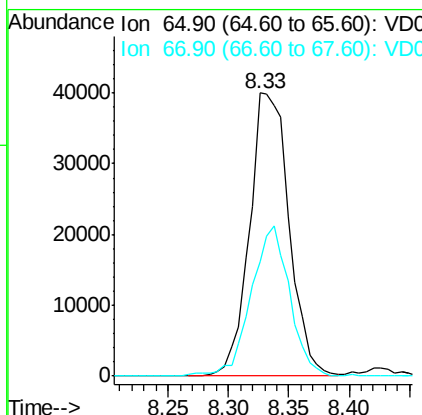
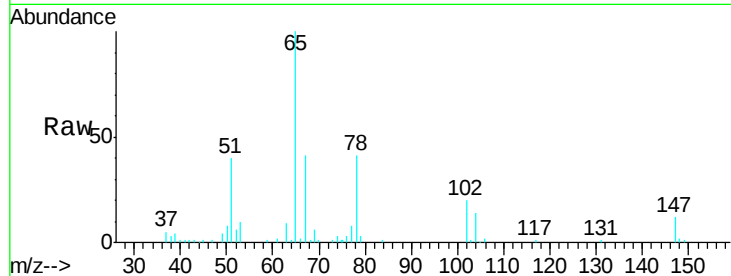
#33
 1,2-Dichloroethane-d4
 Concen: 51.645 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion: 65 Resp: 91354
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.6

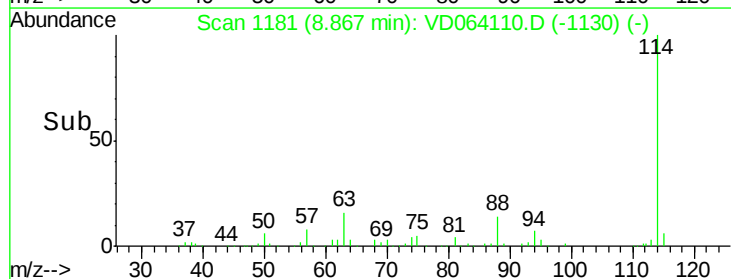
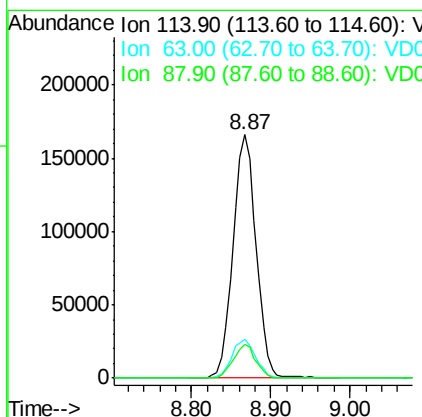
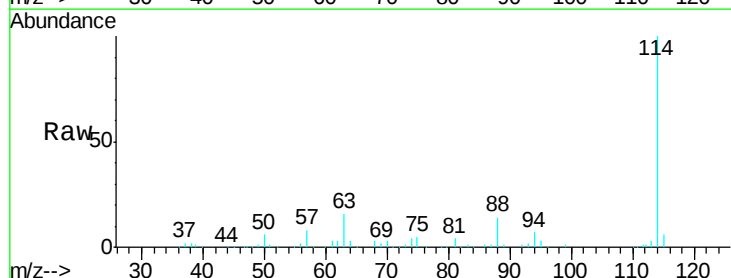
Manual Integrations
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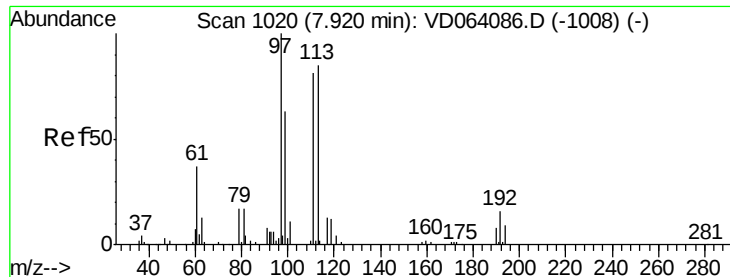
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion: 114 Resp: 334662
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.8
 88 13.7 0.0 27.6





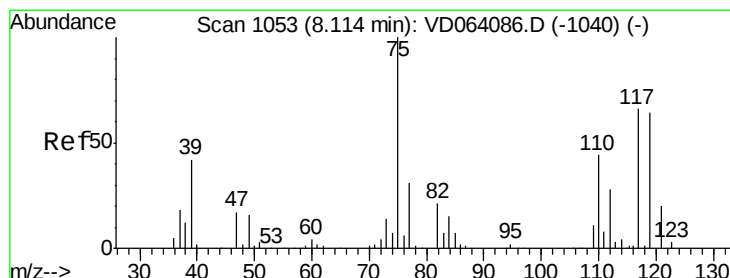
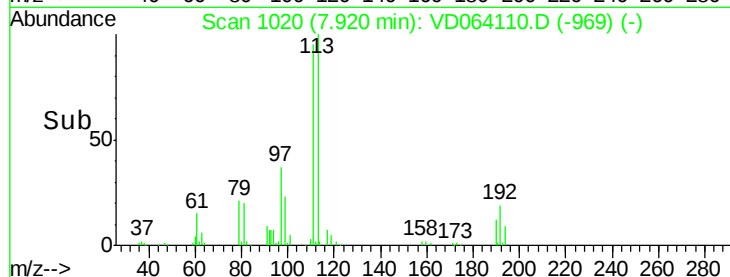
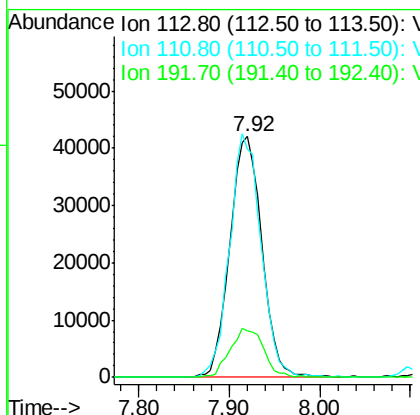
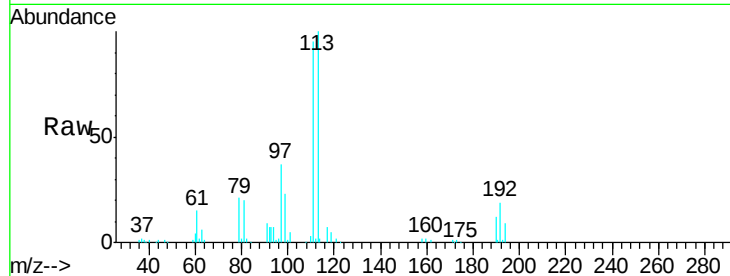
#35
Dibromofluoromethane
Concen: 50.148 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	103252		
111	99.6	79.3	118.9	
192	21.2	16.2	24.2	

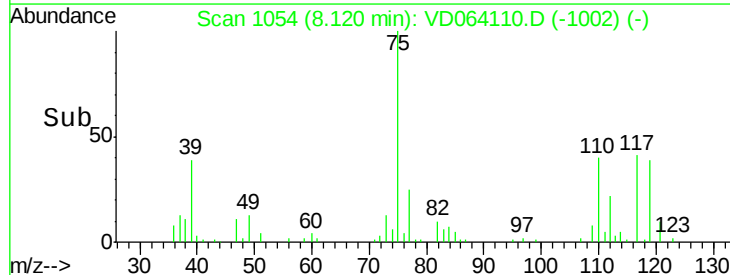
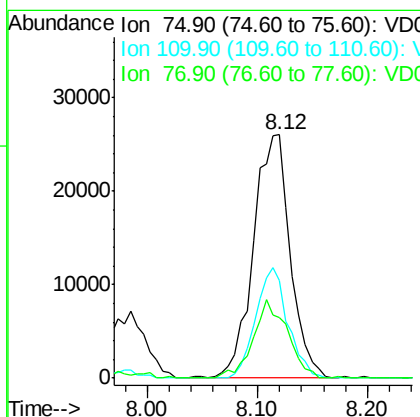
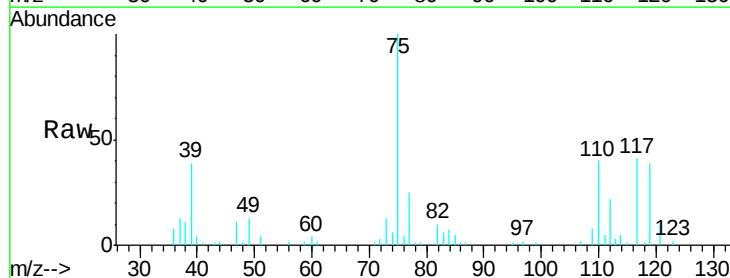
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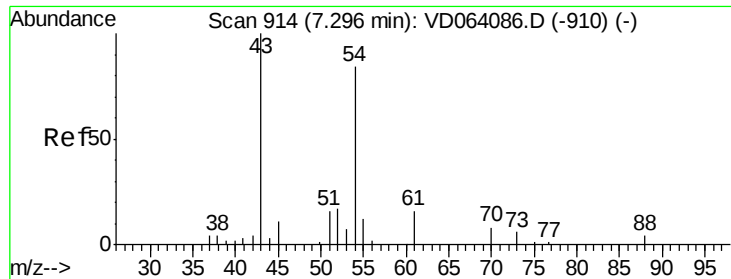
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#36
1,1-Dichloropropene
Concen: 19.428 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60925		
110	39.6	20.0	59.9	
77	29.9	24.7	37.1	





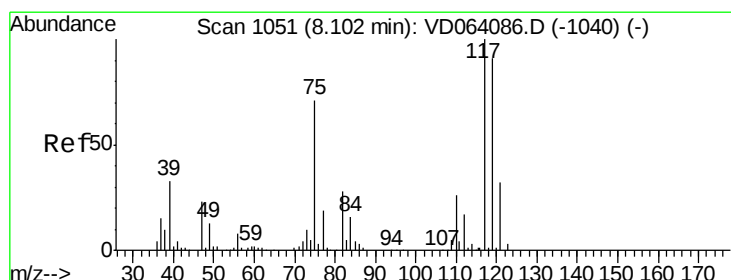
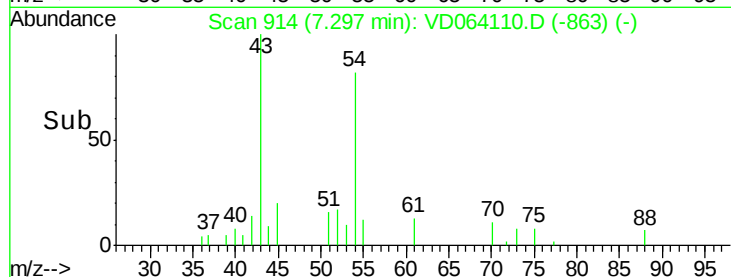
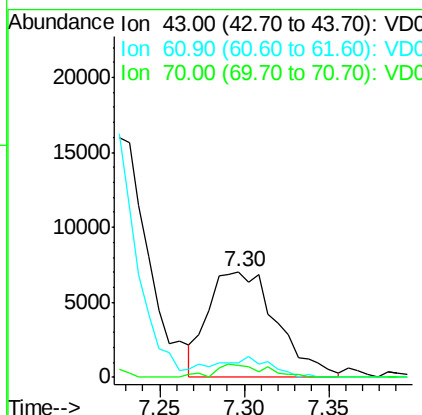
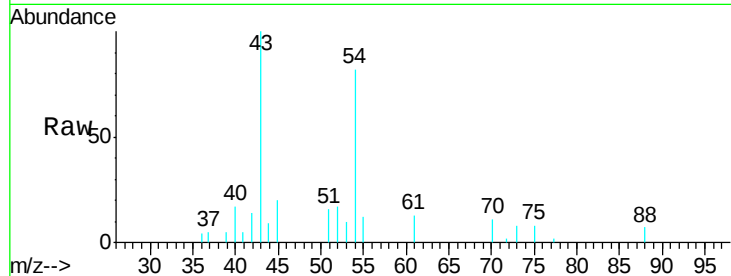
#37
Ethyl Acetate
Concen: 20.514 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 43 Resp: 19801
Ion Ratio Lower Upper
43 100
61 15.8 12.0 18.0
70 9.1 3.8 5.6#

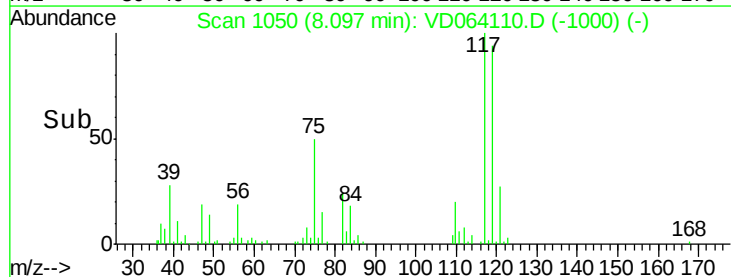
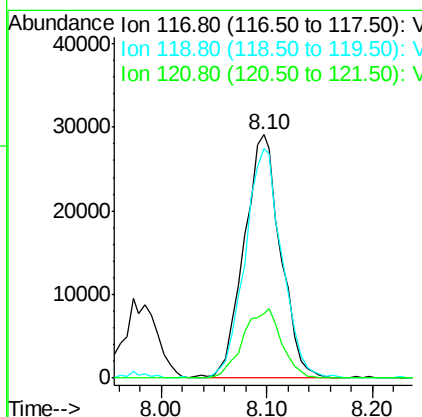
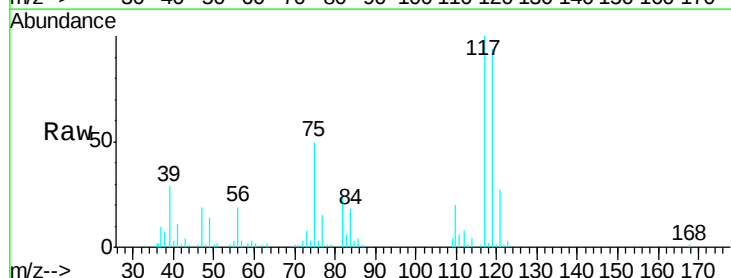
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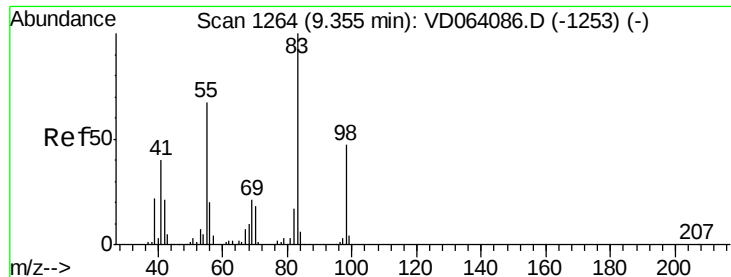
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#38
Carbon Tetrachloride
Concen: 20.467 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 117 Resp: 70027
Ion Ratio Lower Upper
117 100
119 94.1 72.6 108.8
121 26.6 25.8 38.6





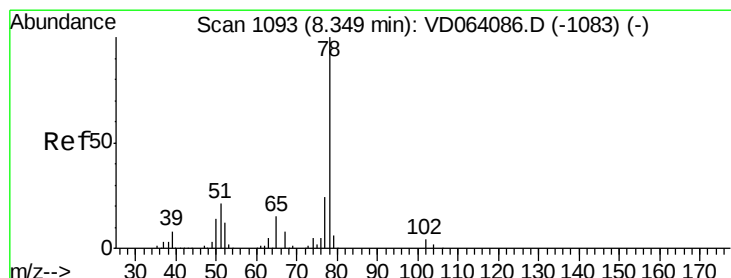
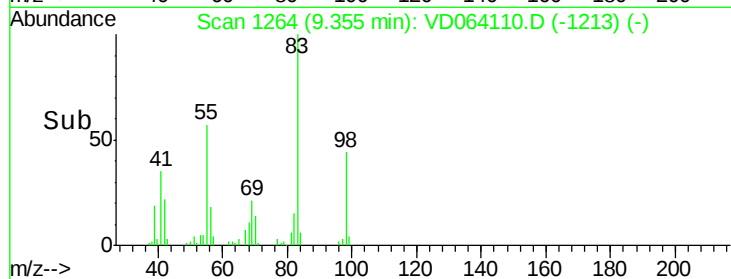
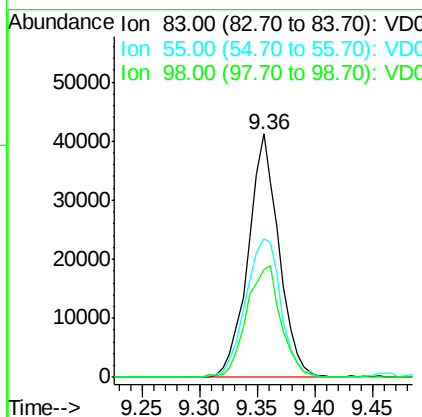
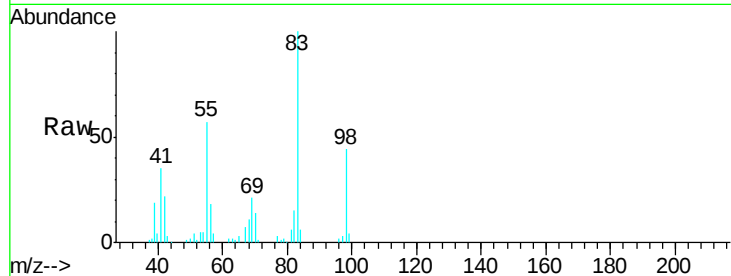
#39
Methylcyclohexane
Concen: 19.807 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	57.1	53.4	80.0
98	44.3	37.8	56.6

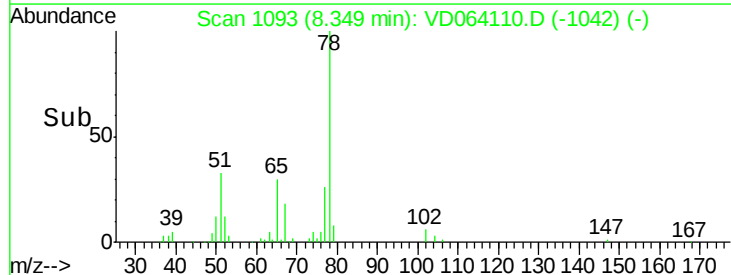
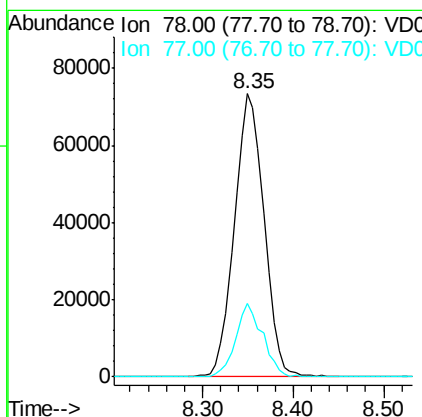
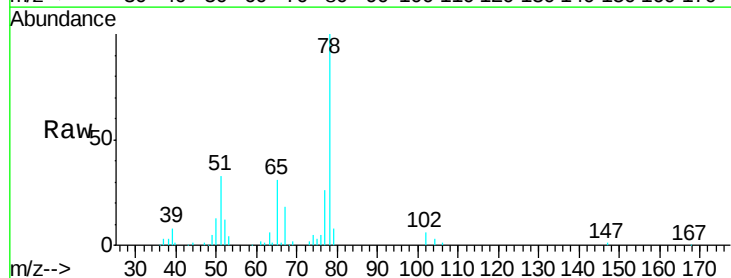
Manual Integrations
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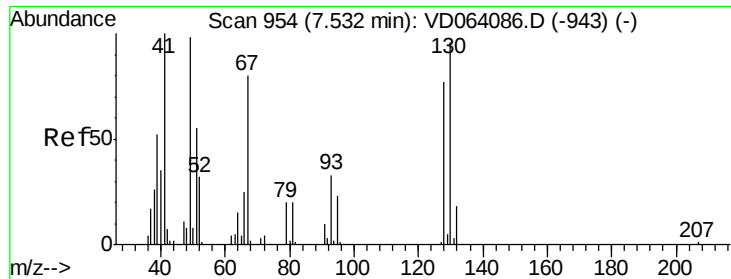
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#40
Benzene
Concen: 19.494 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.1	19.0	28.4





#41

Methacrylonitrile

Concen: 17.033 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 41 Resp: 9488

Ion Ratio Lower Upper

41 100

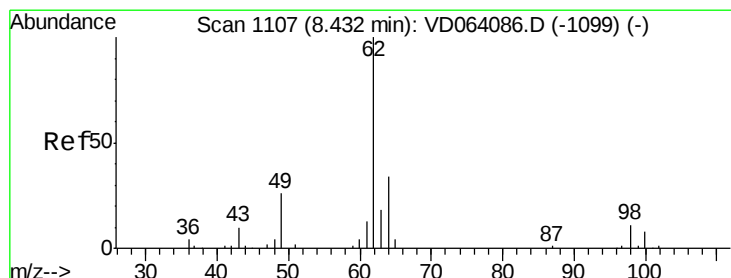
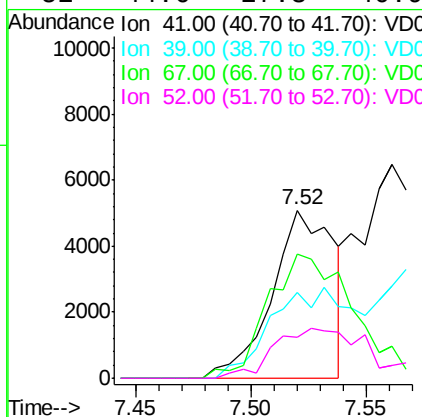
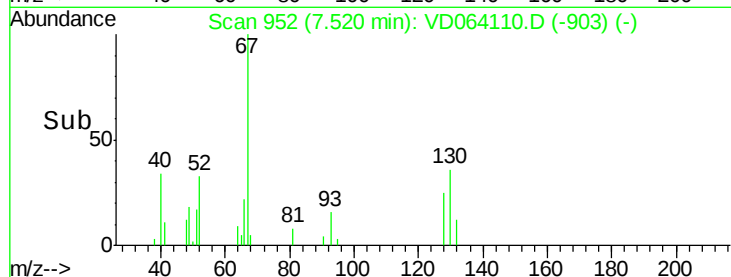
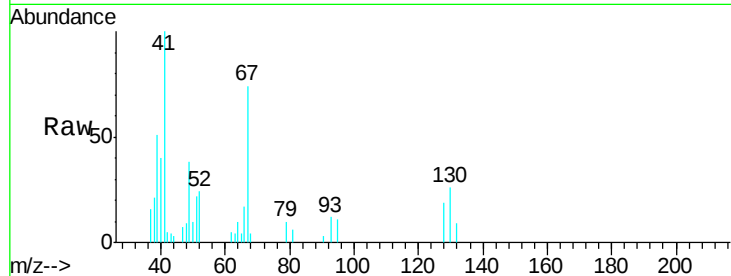
39 39.2 41.0 61.4#

67 102.7 73.4 110.0

52 44.6 27.3 40.9#

Manual Integrations
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10/31/2019 3:39:16 PM



#42

1,2-Dichloroethane

Concen: 19.522 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064110.D

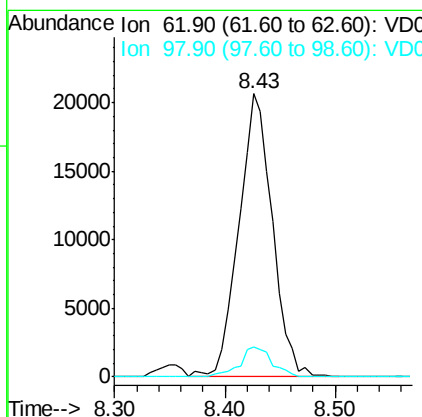
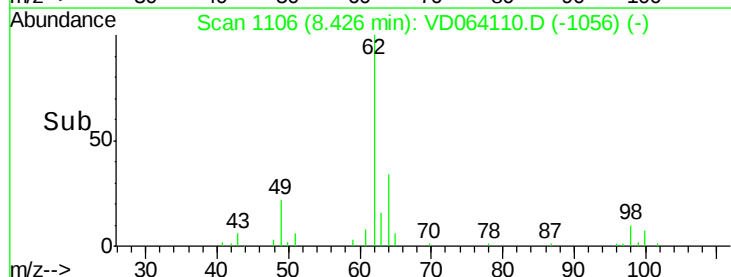
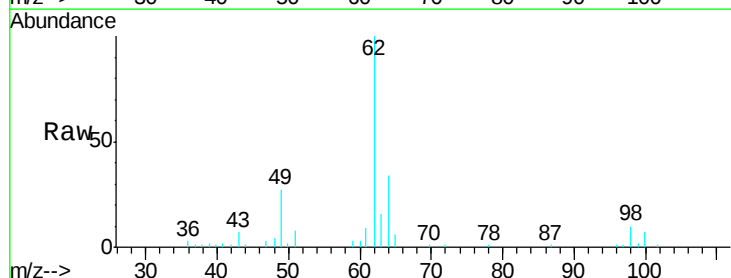
Acq: 30 Oct 2019 12:56

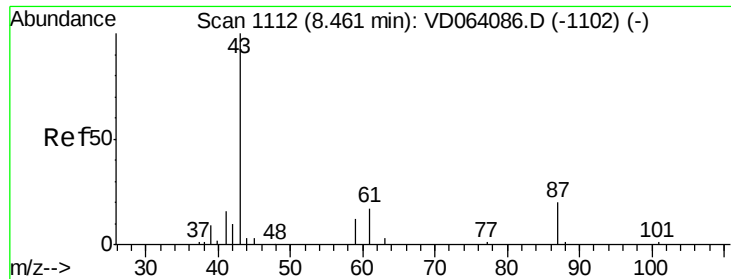
Tgt Ion: 62 Resp: 44098

Ion Ratio Lower Upper

62 100

98 10.0 0.0 21.0





#43

Isopropyl Acetate

Concen: 18.617 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

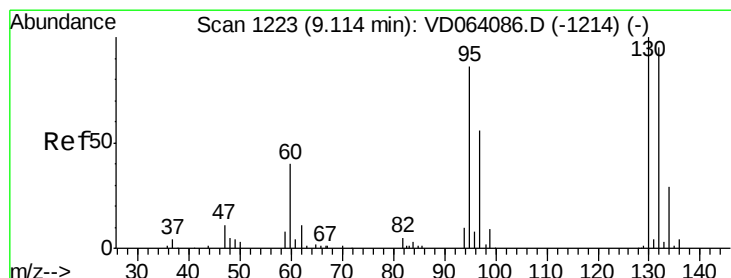
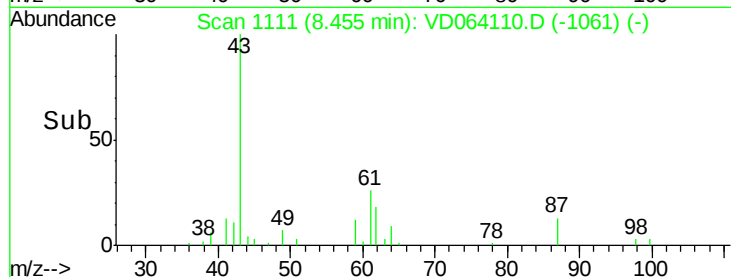
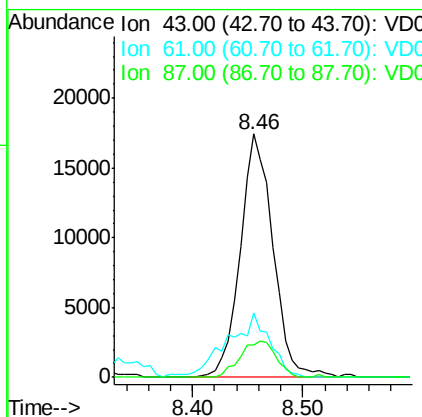
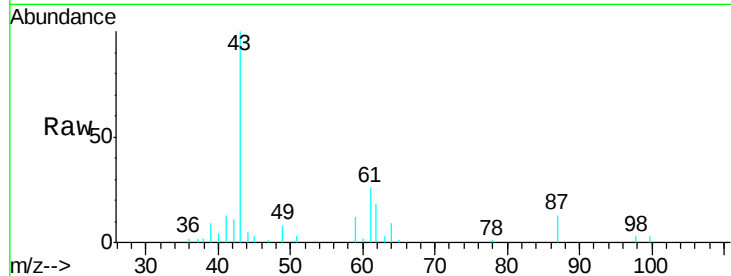
ClientSampleId :

VD1030SBS01

Tgt Ion:	43	Resp:	36315
Ion	Ratio	Lower	Upper
43	100		
61	34.1	25.8	38.8
87	16.4	13.0	19.4

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#44

Trichloroethene

Concen: 21.132 ug/l

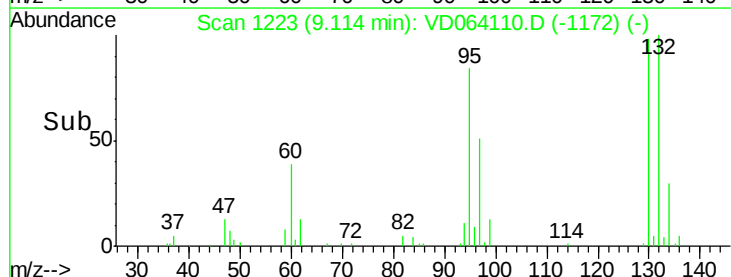
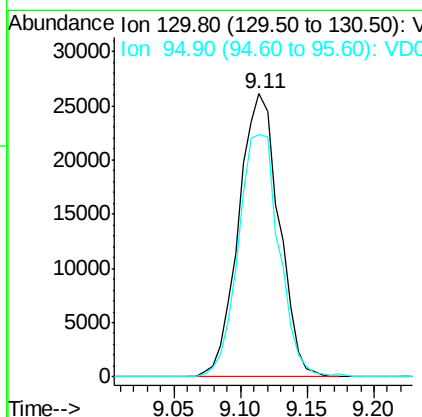
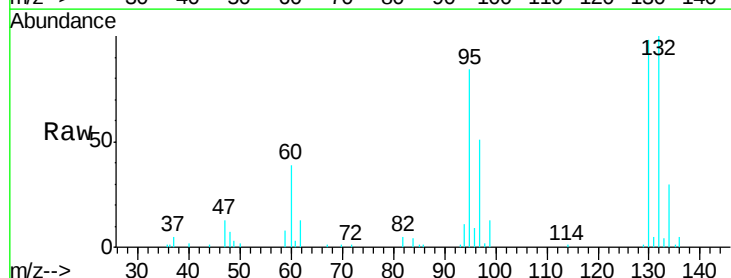
RT: 9.11 min Scan# 1223

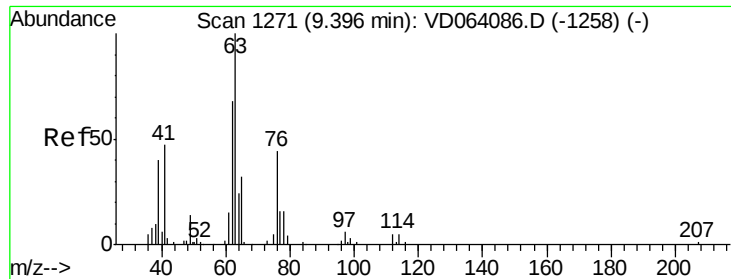
Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion:	130	Resp:	54771
Ion	Ratio	Lower	Upper
130	100		
95	85.6	0.0	173.0





#45

1,2-Dichloropropane

Concen: 19.111 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 63 Resp: 37875

Ion Ratio Lower Upper

63 100

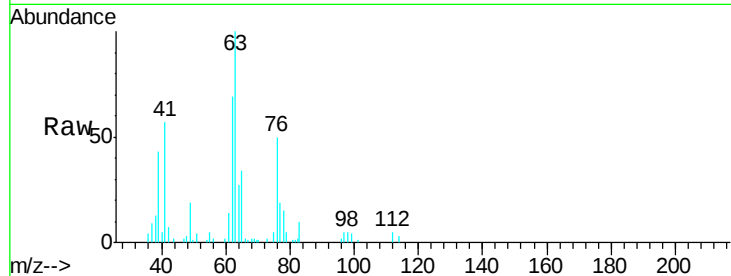
65 33.9 25.8 38.8

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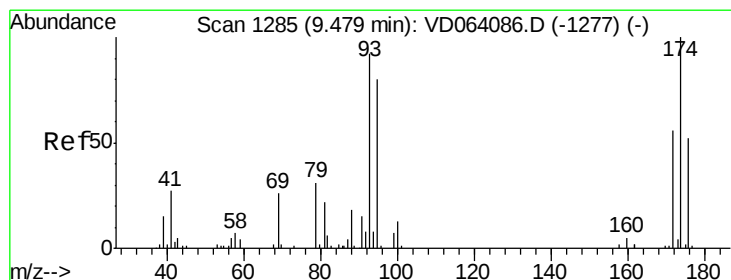
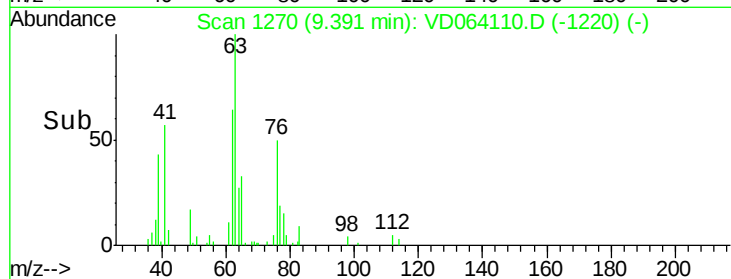
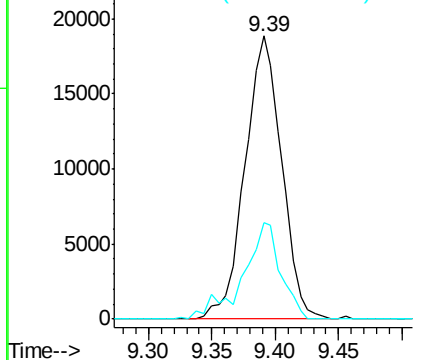
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 18.954 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

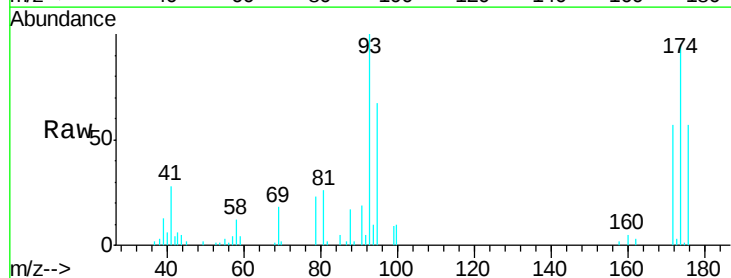
Tgt Ion: 93 Resp: 22623

Ion Ratio Lower Upper

93 100

95 85.4 67.4 101.2

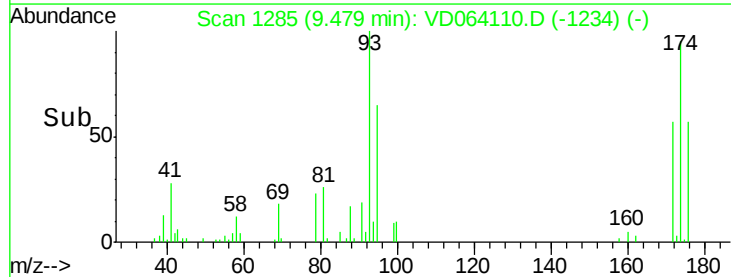
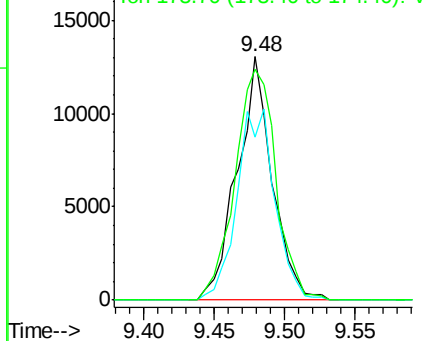
174 111.3 86.4 129.6

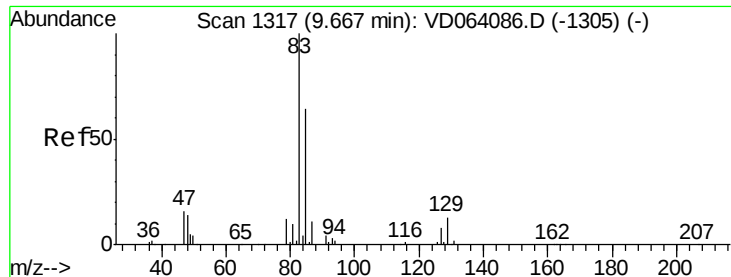


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 19.512 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

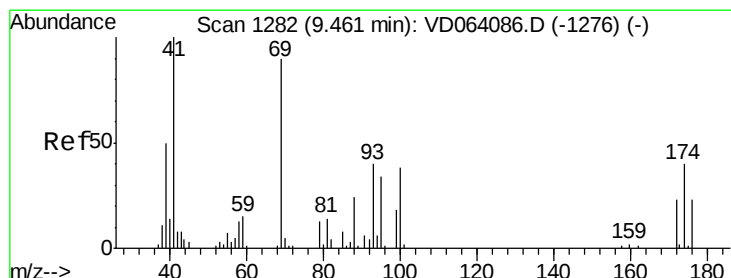
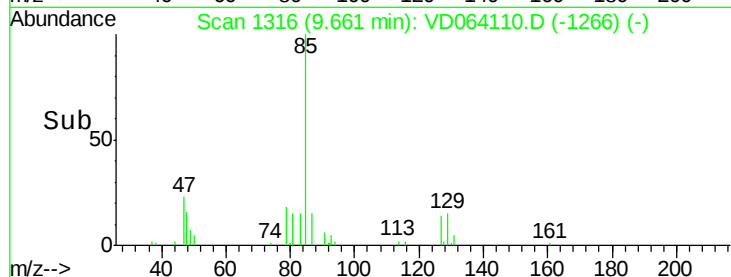
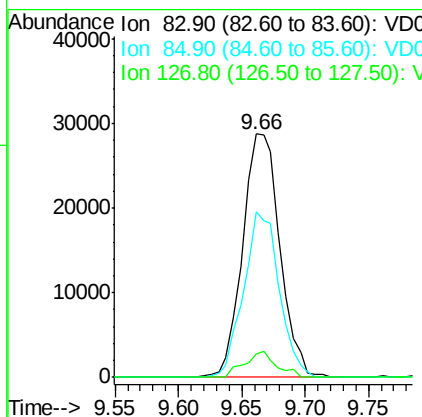
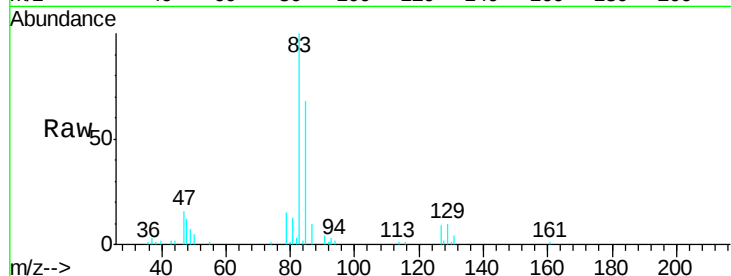
ClientSampleId :

VD1030SBS01

Tgt Ion:	83	Resp:	58754
Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.4	77.0
127	9.4	6.7	10.1

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#48

Methyl methacrylate

Concen: 19.515 ug/l

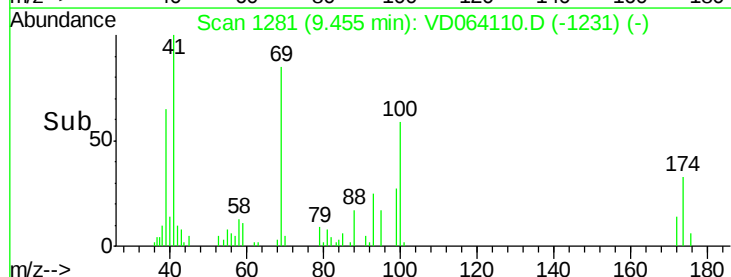
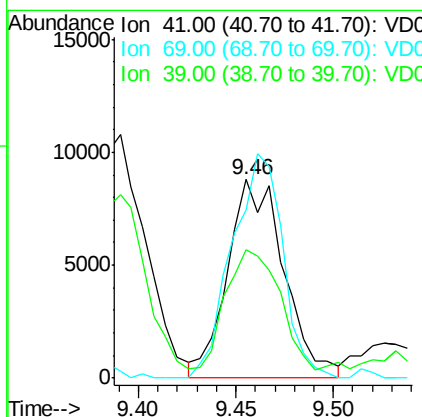
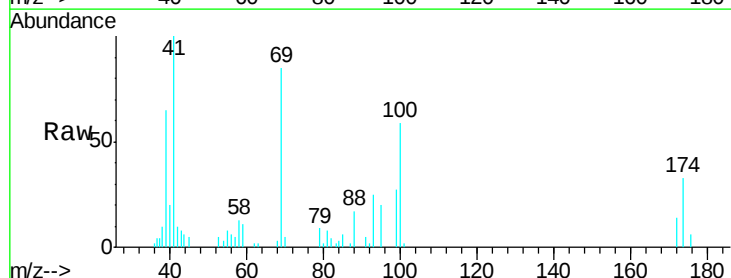
RT: 9.46 min Scan# 1281

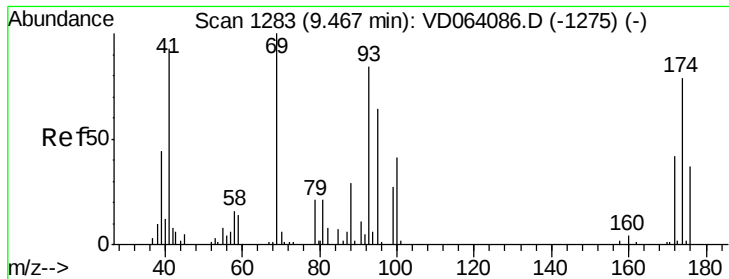
Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion:	41	Resp:	17604
Ion	Ratio	Lower	Upper
41	100		
69	101.9	82.6	124.0
39	66.5	47.0	70.4





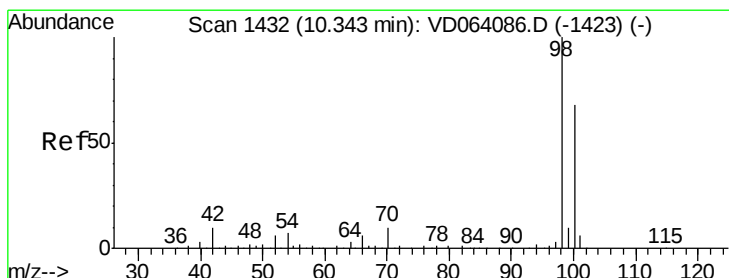
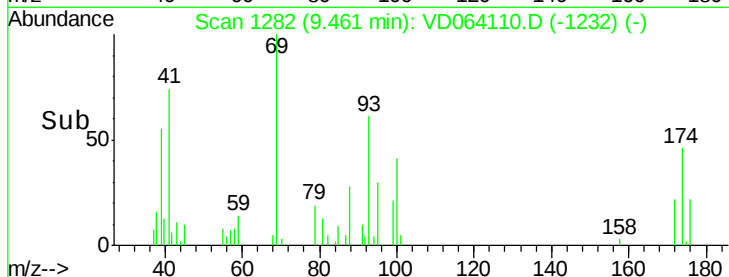
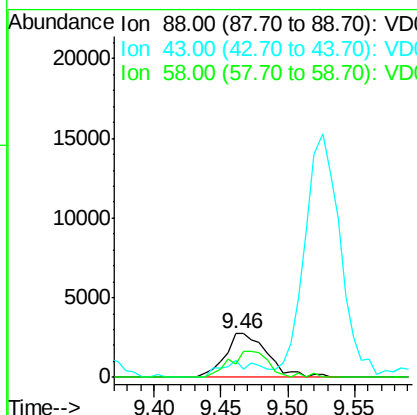
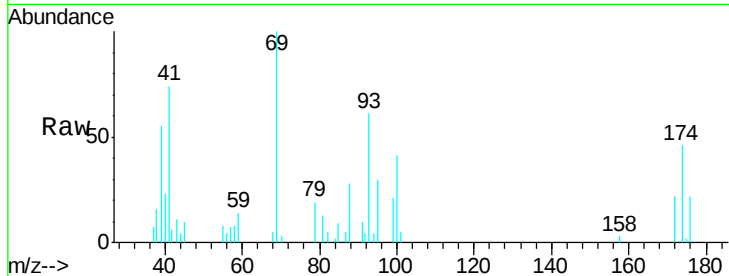
#49
 1,4-Dioxane
 Concen: 440.698 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion: 88 Resp: 6021
 Ion Ratio Lower Upper
 88 100
 43 32.9 13.4 20.0#
 58 54.1 46.7 70.1

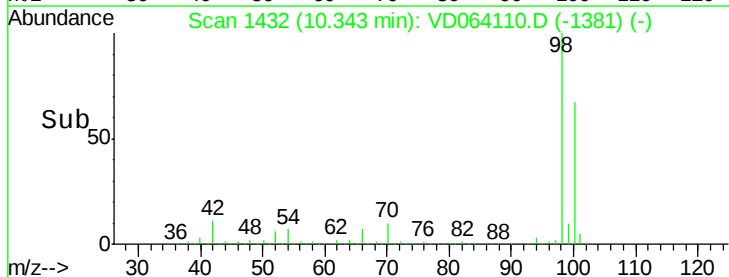
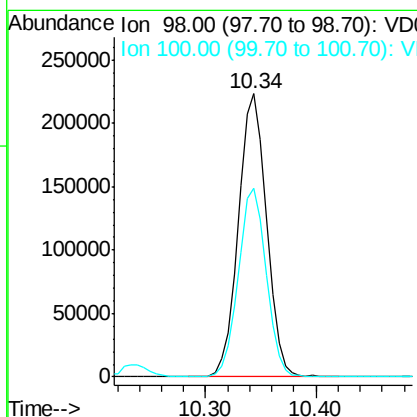
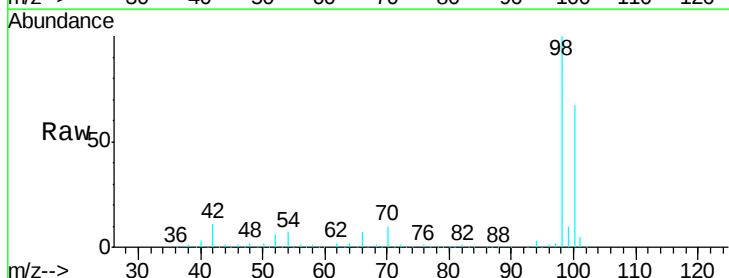
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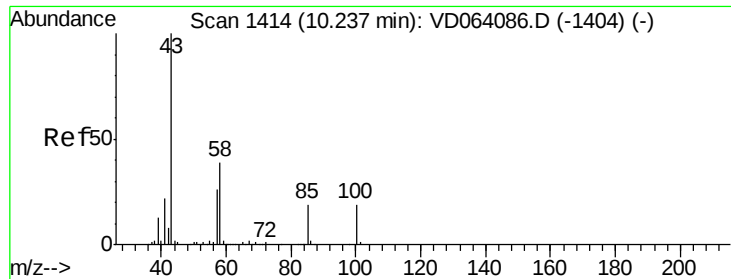
MMDadoda
 10/31/2019 3:39:16 PM



#50
 Toluene-d8
 Concen: 48.812 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion: 98 Resp: 401919
 Ion Ratio Lower Upper
 98 100
 100 65.9 53.4 80.0





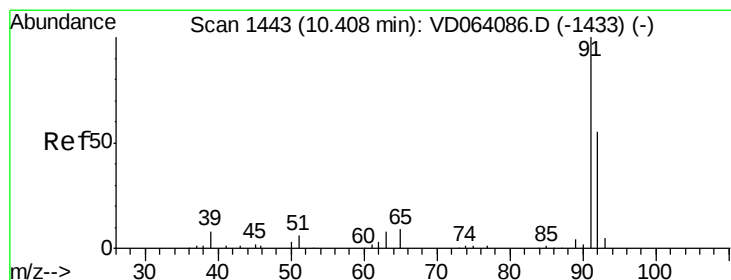
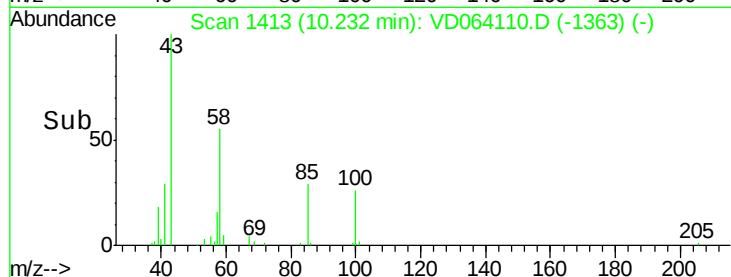
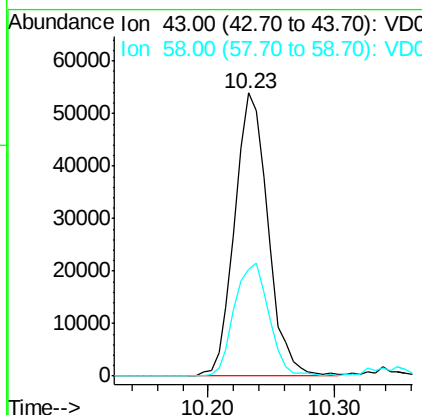
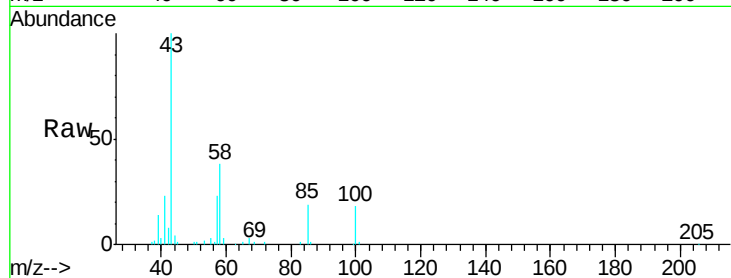
#51
4-Methyl-2-Pentanone
Concen: 92.846 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 43 Resp: 98598
Ion Ratio Lower Upper
43 100
58 41.1 33.0 49.4

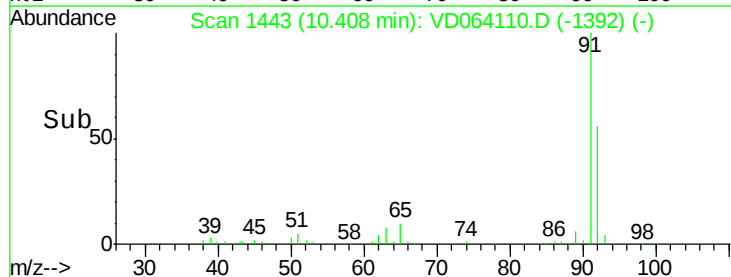
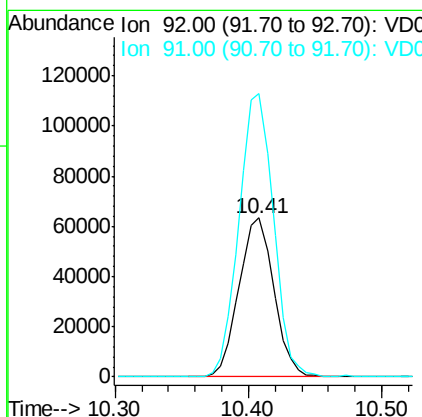
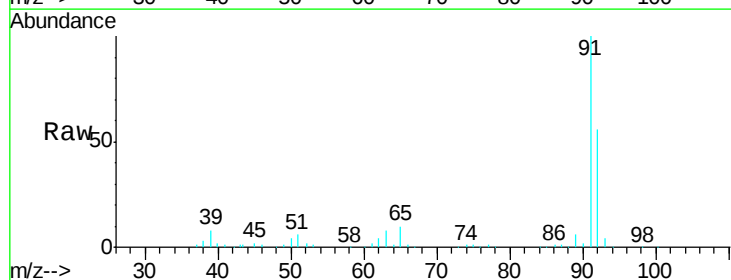
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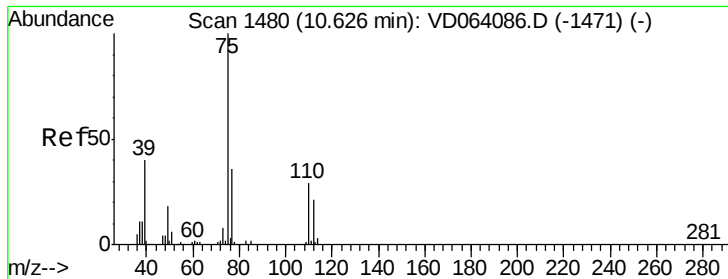
MMDadoda
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#52
Toluene
Concen: 19.235 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 92 Resp: 115273
Ion Ratio Lower Upper
92 100
91 175.9 140.7 211.1





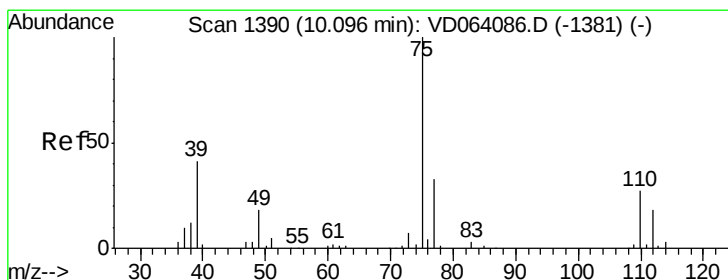
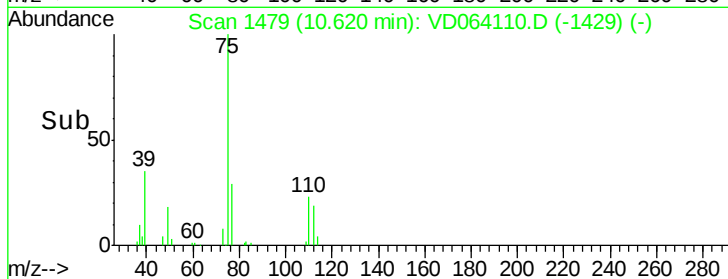
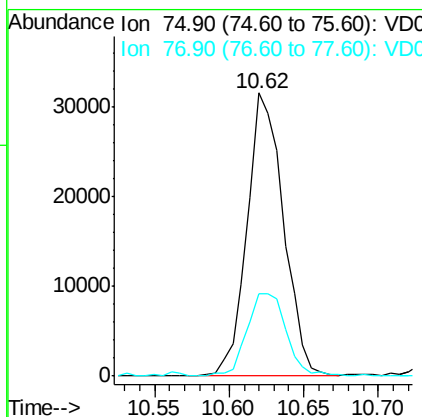
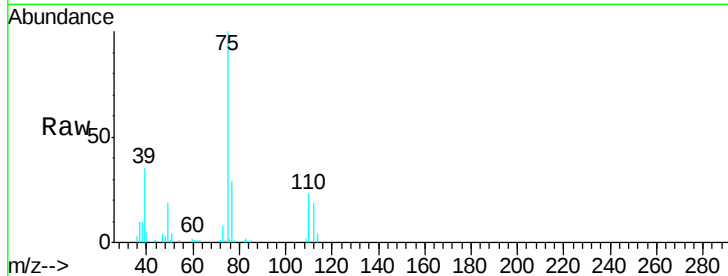
#53
 t-1,3-Dichloropropene
 Concen: 18.903 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion: 75 Resp: 53132
 Ion Ratio Lower Upper
 75 100
 77 29.2 28.7 43.1

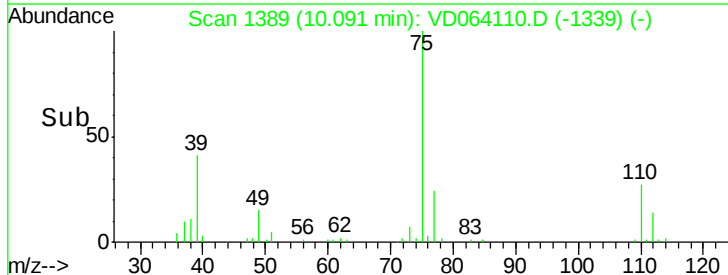
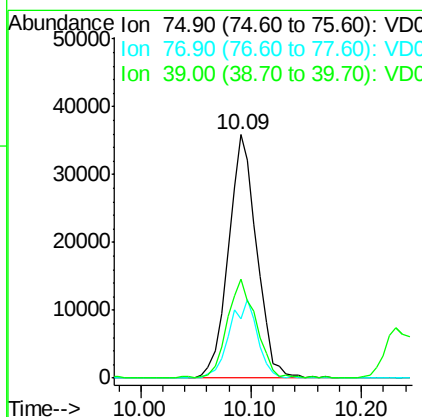
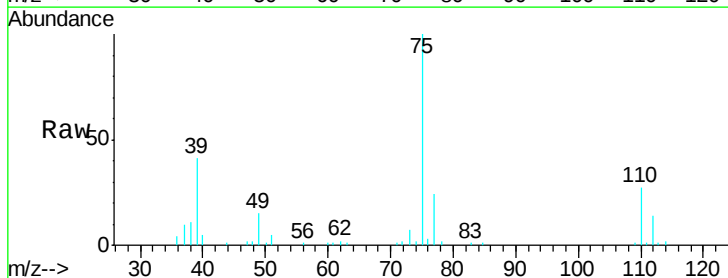
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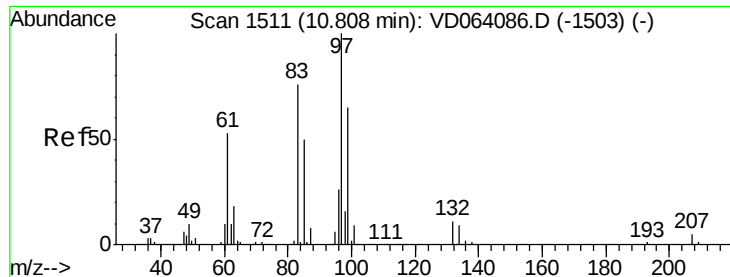
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.435 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion: 75 Resp: 64270
 Ion Ratio Lower Upper
 75 100
 77 24.3 26.8 40.2#
 39 40.6 32.7 49.1





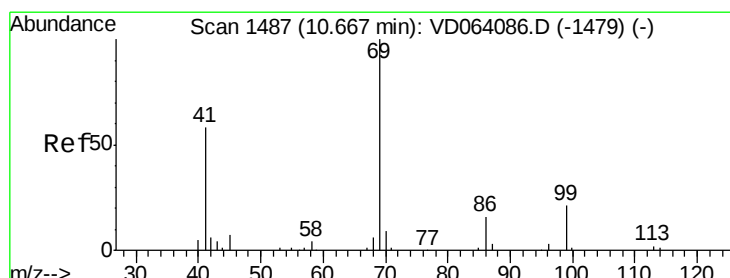
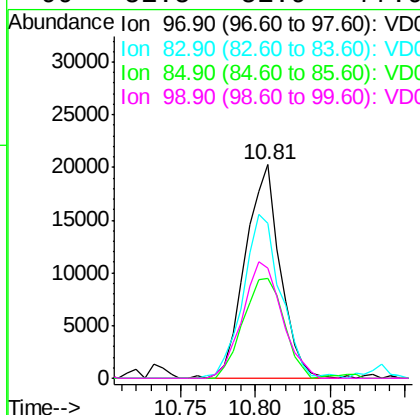
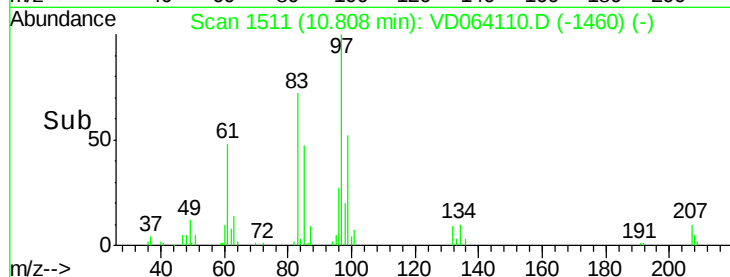
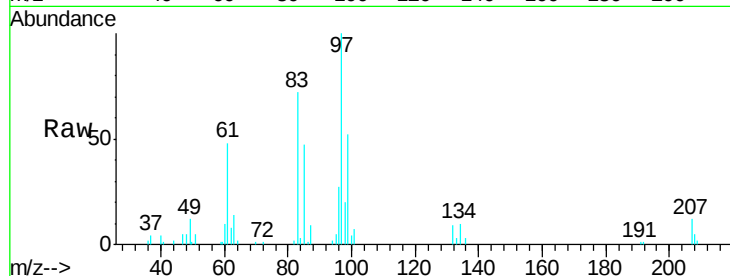
#55
 1,1,2-Trichloroethane
 Concen: 19.322 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
97	100		
83	72.3	60.9	91.3
85	47.0	40.2	60.2
99	51.5	51.9	77.9#

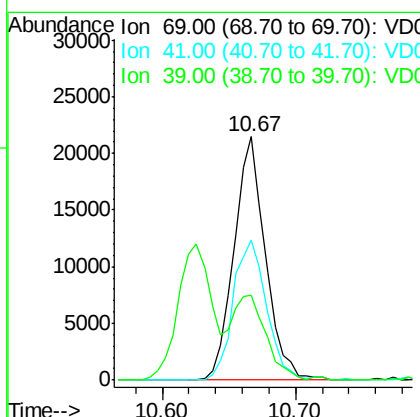
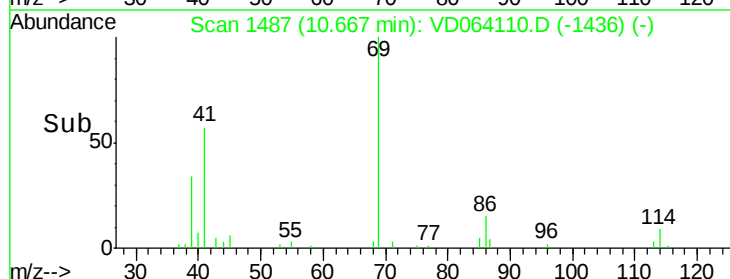
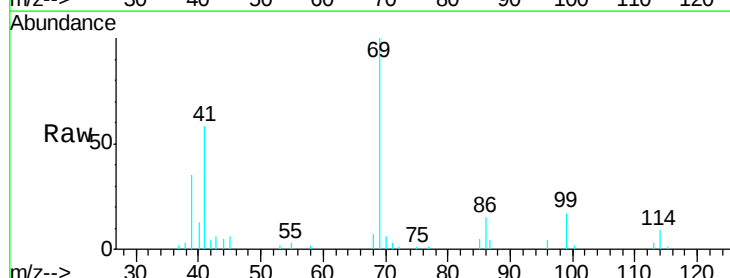
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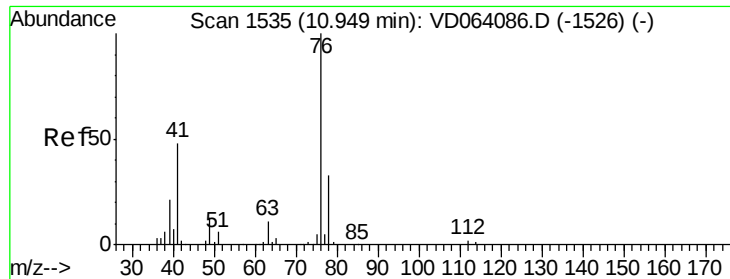
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#56
 Ethyl methacrylate
 Concen: 19.055 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
69	100		
41	61.5	46.9	70.3
39	38.9	27.3	40.9





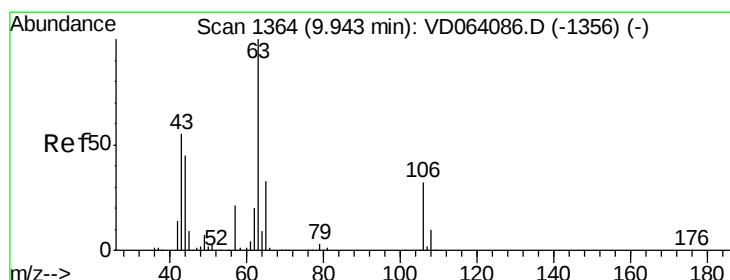
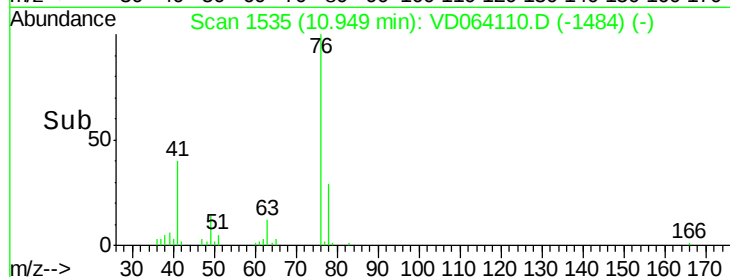
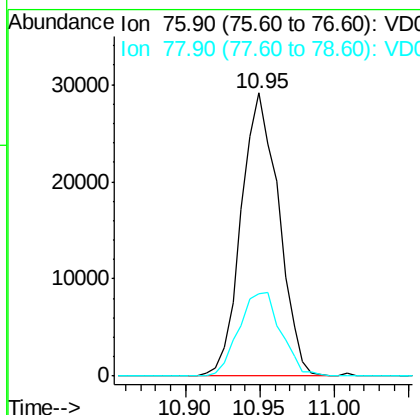
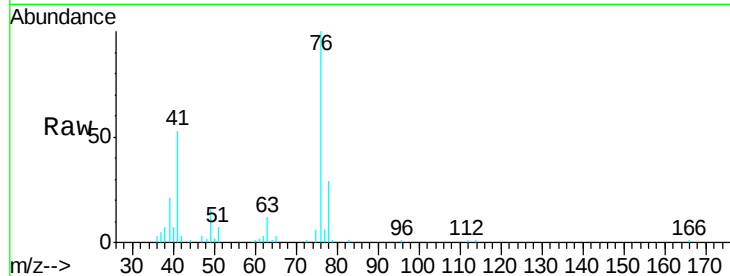
#57
 1,3-Dichloropropane
 Concen: 18.141 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion: 76 Resp: 50770
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.9 38.9

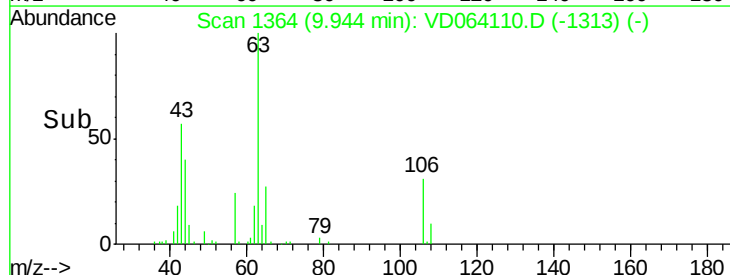
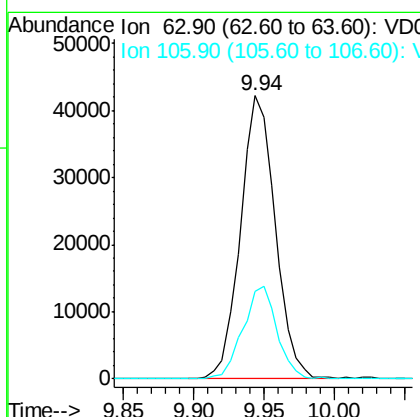
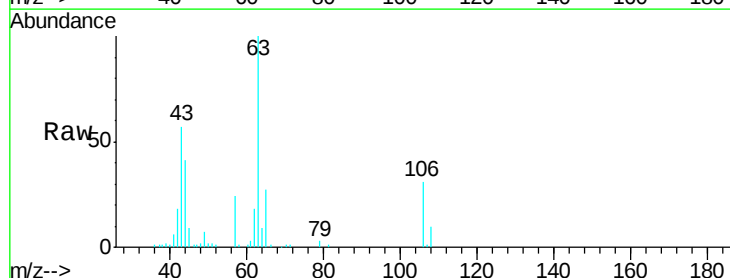
Manual Integrations
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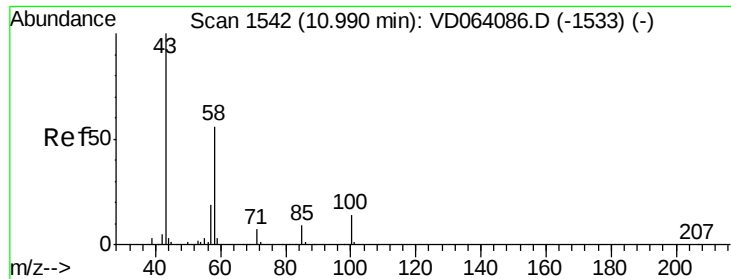
MMDadoda
 10/31/2019 3:39:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.268 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion: 63 Resp: 72854
 Ion Ratio Lower Upper
 63 100
 106 32.0 25.8 38.8





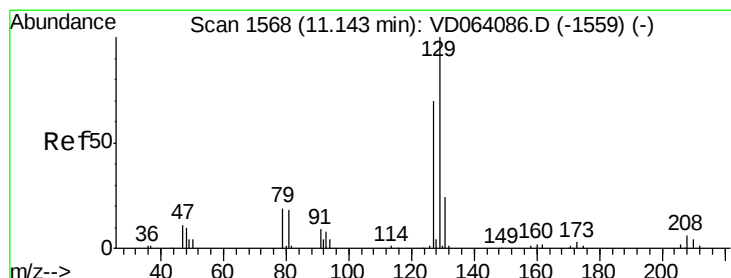
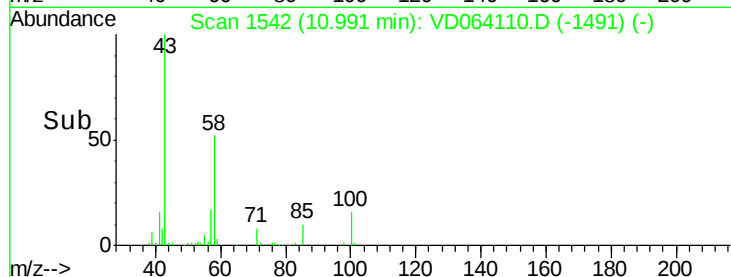
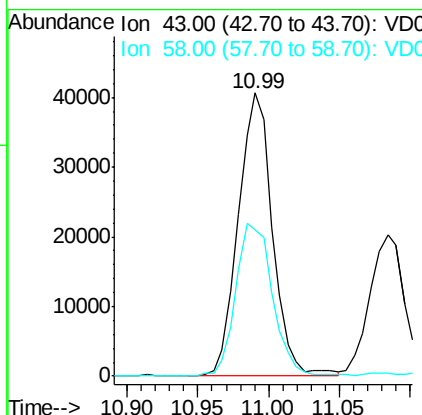
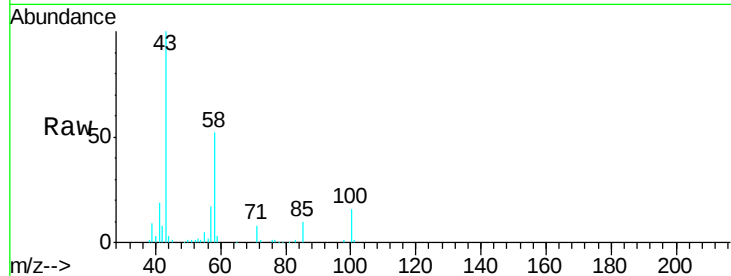
#59
2-Hexanone
Concen: 88.750 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 43 Resp: 68859
Ion Ratio Lower Upper
43 100
58 58.2 29.2 87.6

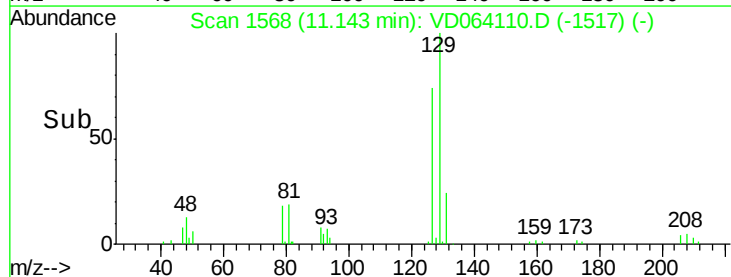
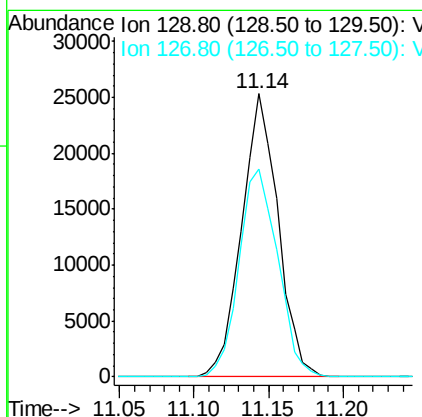
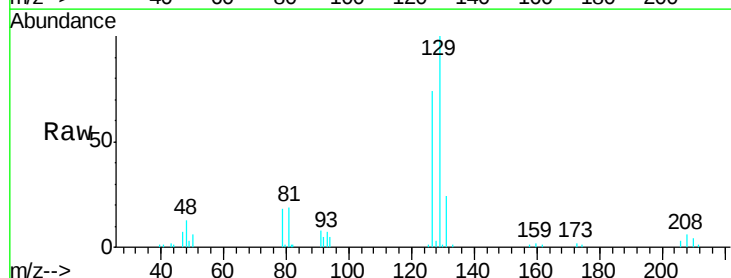
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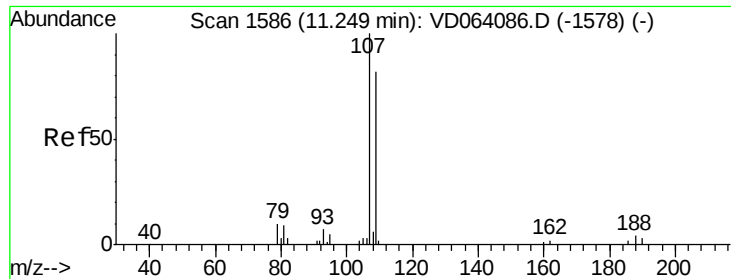
MMDadoda
10/31/2019 3:39:16 PM



#60
Dibromochloromethane
Concen: 18.622 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 129 Resp: 42773
Ion Ratio Lower Upper
129 100
127 78.3 38.3 114.8





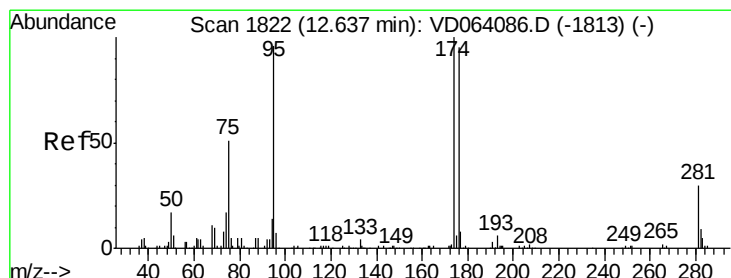
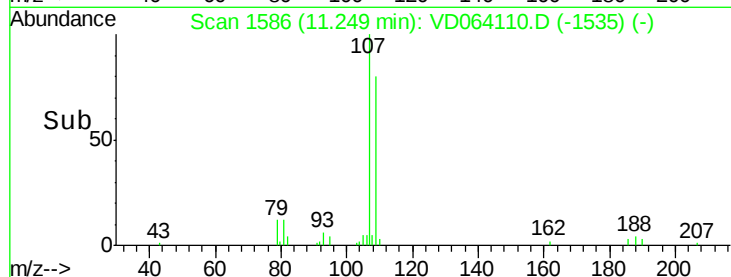
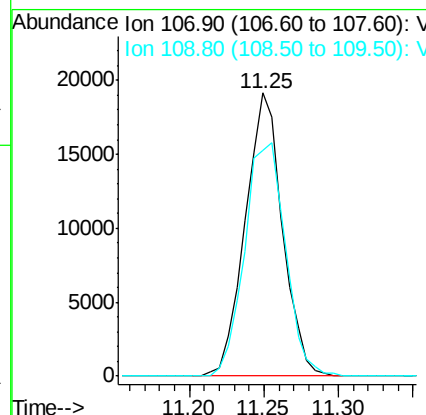
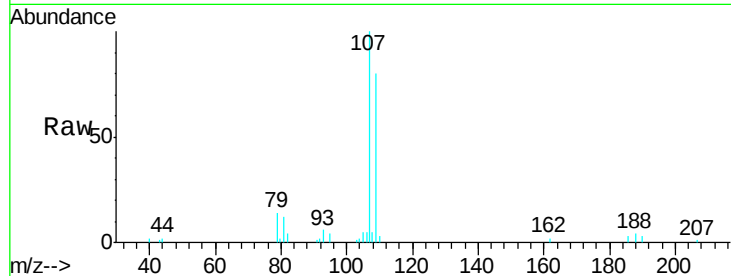
#61
 1,2-Dibromoethane
 Concen: 19.513 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion: 107 Resp: 33025
 Ion Ratio Lower Upper
 107 100
 109 90.5 73.0 109.4

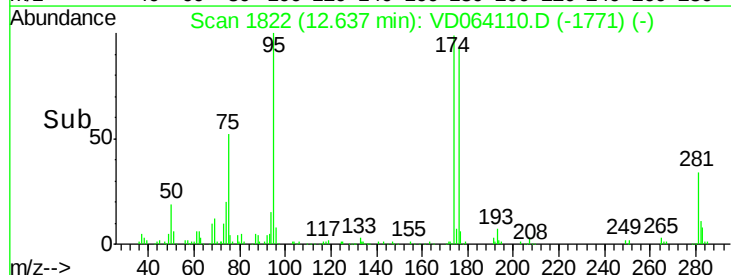
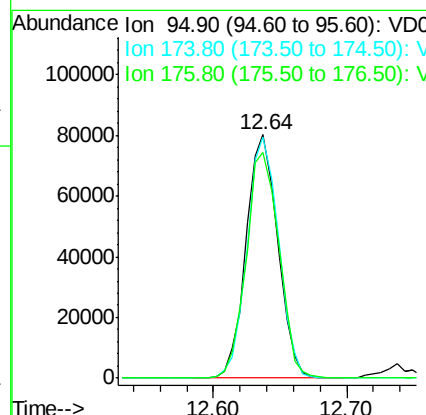
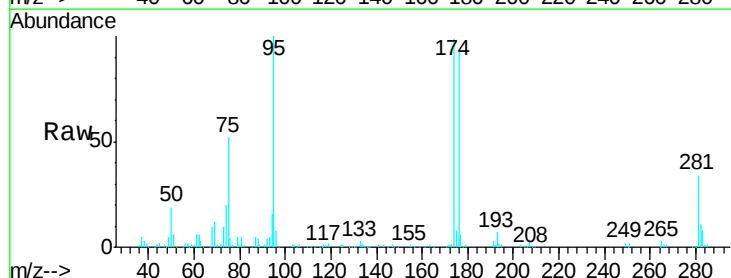
Manual Integrations
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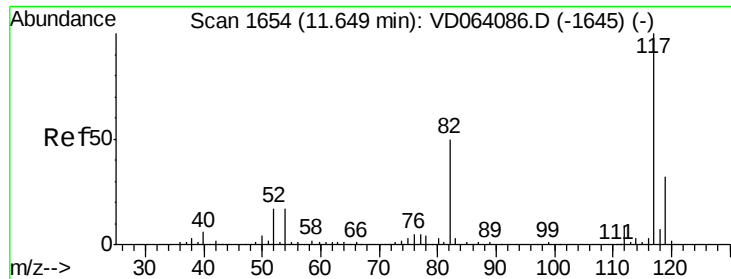
MMDadoda
 10/31/2019 3:39:16 PM



#62
 4-Bromofluorobenzene
 Concen: 48.254 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion: 95 Resp: 131724
 Ion Ratio Lower Upper
 95 100
 174 98.2 0.0 201.6
 176 95.7 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

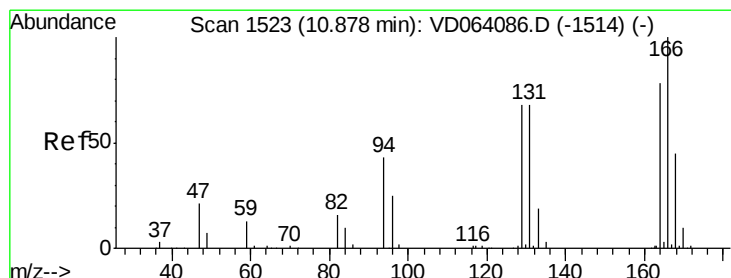
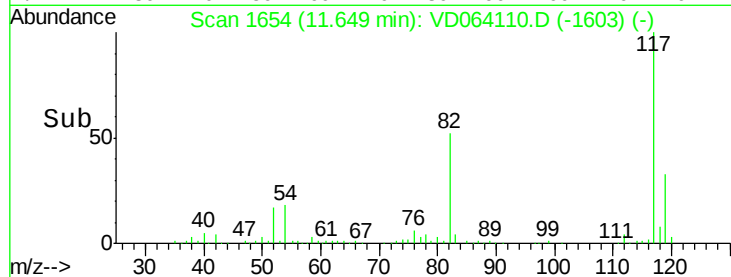
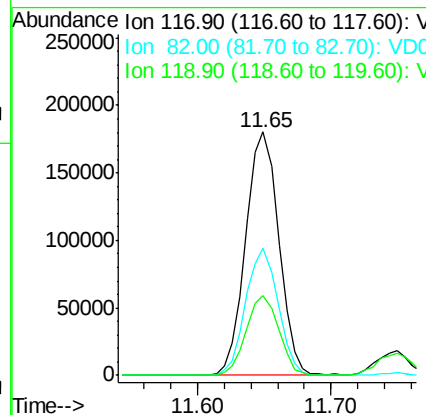
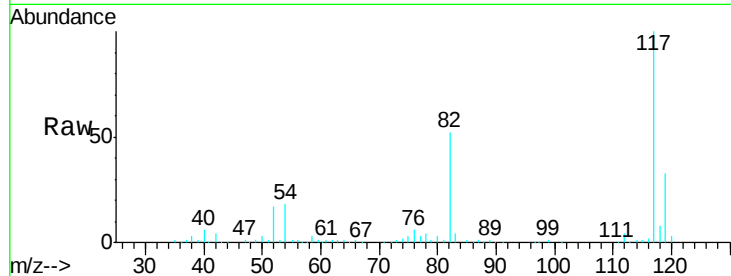
ClientSampleId :

VD1030SBS01

Tgt Ion:	117	Resp:	310170
Ion Ratio	Lower	Upper	
117	100		
82	52.3	40.2	60.4
119	32.7	26.0	39.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 21.532 ug/l

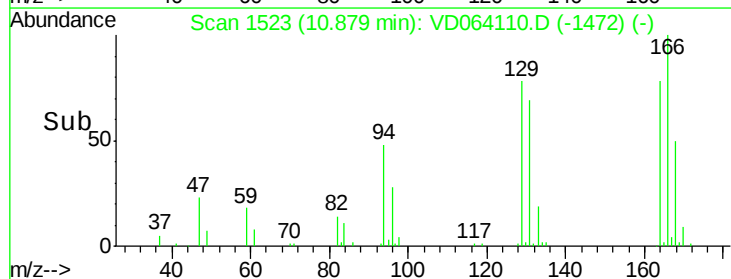
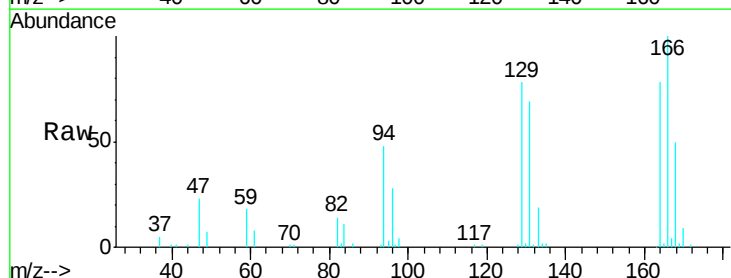
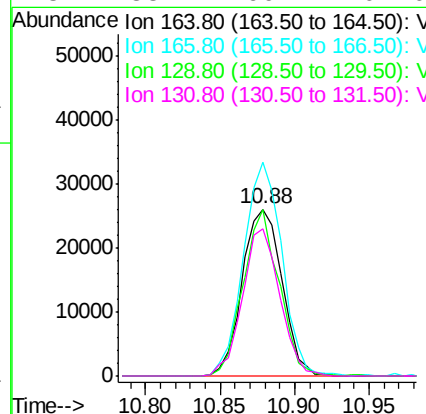
RT: 10.88 min Scan# 1523

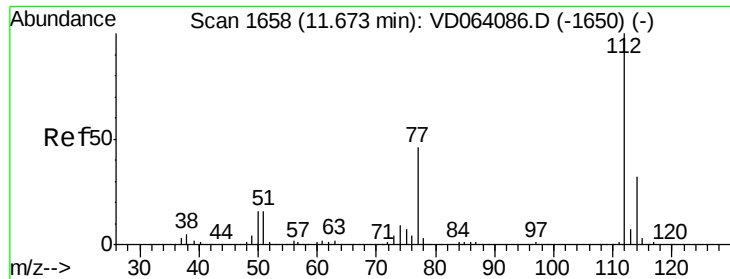
Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion:	164	Resp:	47980
Ion Ratio	Lower	Upper	
164	100		
166	128.3	102.7	154.1
129	100.0	69.8	104.6
131	88.1	69.4	104.0





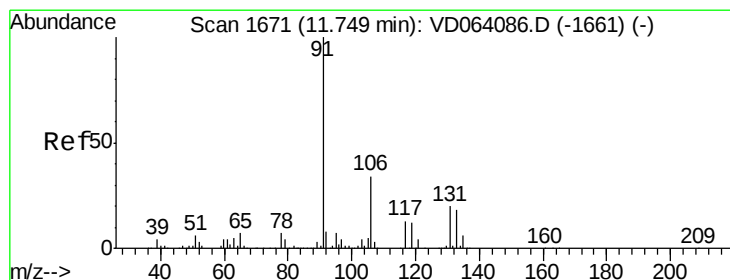
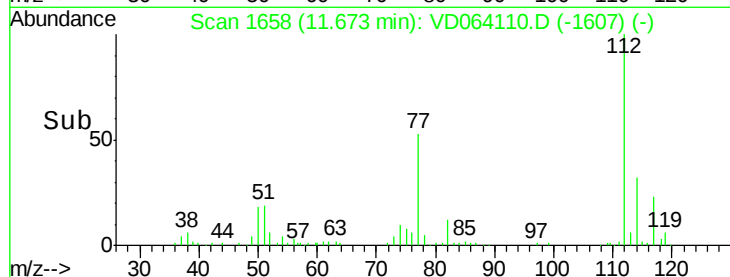
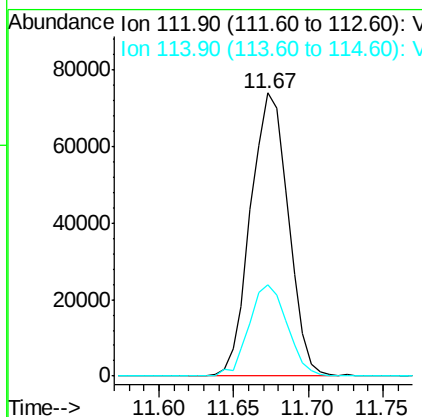
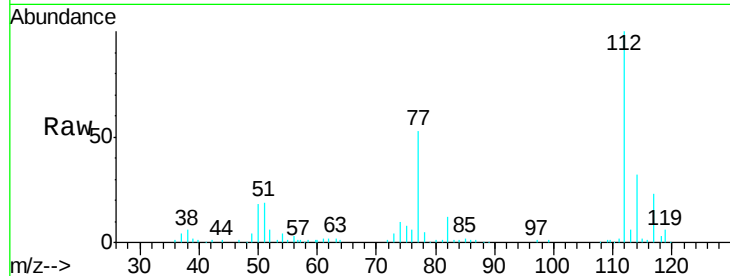
#65
Chlorobenzene
Concen: 20.223 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion:112 Resp: 129605
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

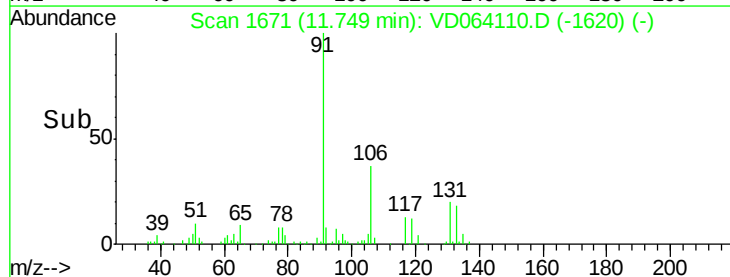
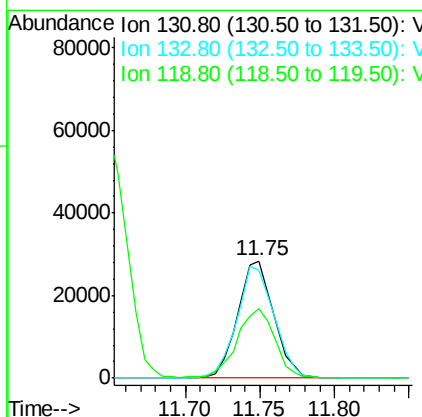
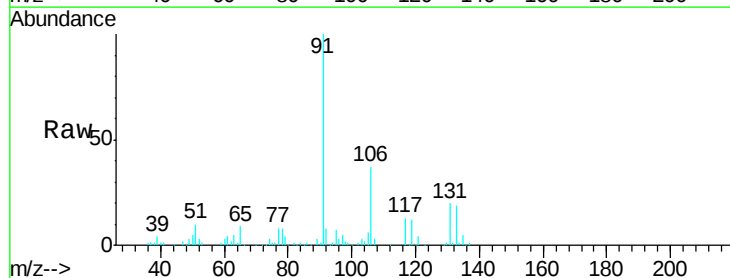
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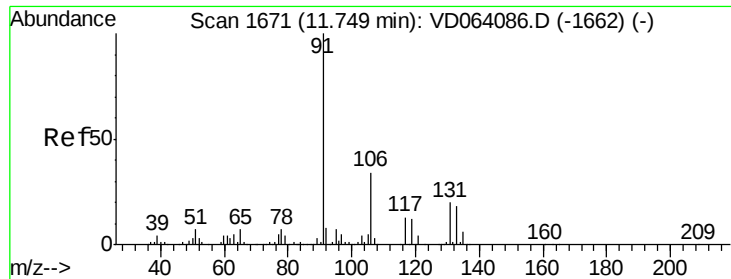
MMDadoda
10/31/2019 3:39:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.814 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion:131 Resp: 47516
Ion Ratio Lower Upper
131 100
133 98.8 47.6 142.9
119 62.5 31.4 94.3





#67

Ethyl Benzene

Concen: 20.213 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 91 Resp: 230405

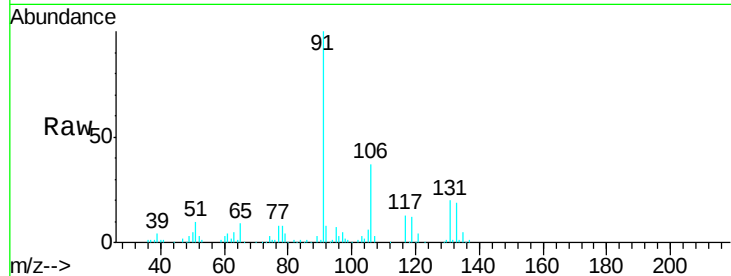
Ion Ratio Lower Upper

91 100

106 37.0 27.0 40.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

11.75

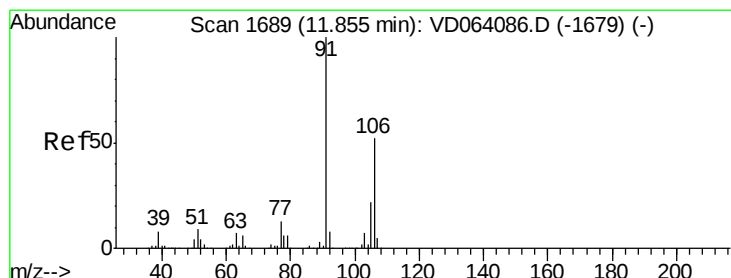
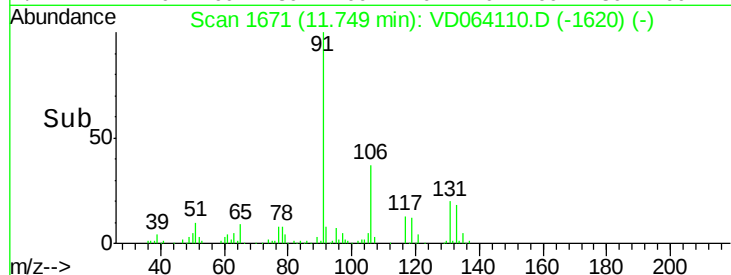
150000

100000

50000

0

Time--> 11.65 11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 40.764 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064110.D

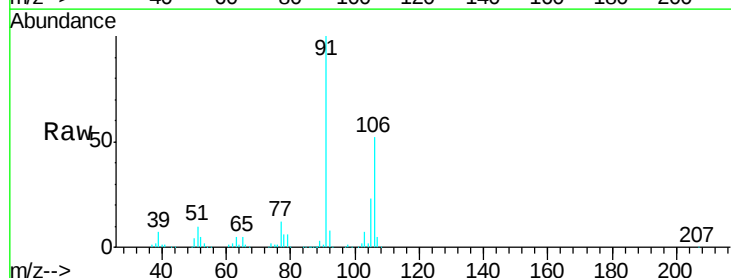
Acq: 30 Oct 2019 12:56

Tgt Ion: 106 Resp: 186905

Ion Ratio Lower Upper

106 100

91 190.3 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

11.86

200000

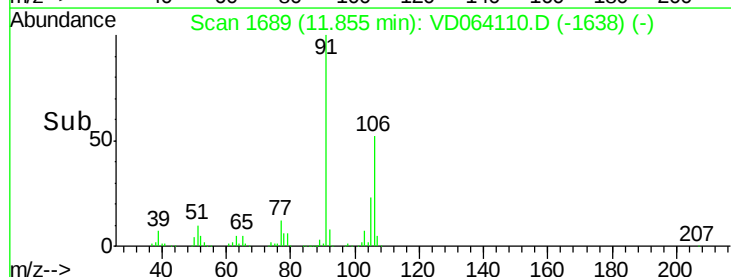
150000

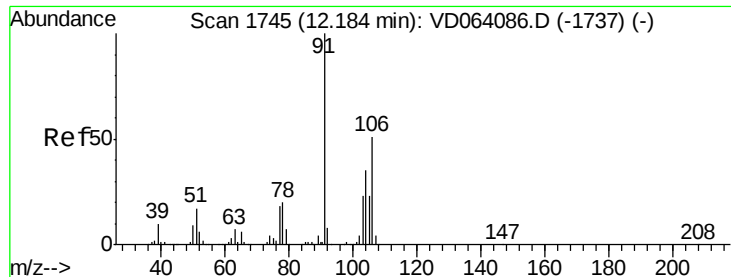
100000

50000

0

Time--> 11.80 11.85 11.90





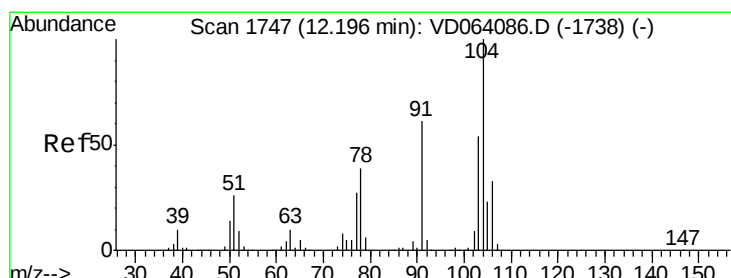
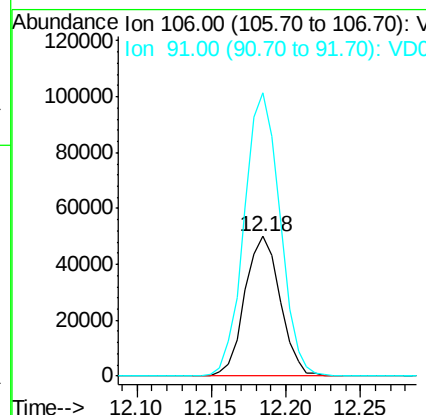
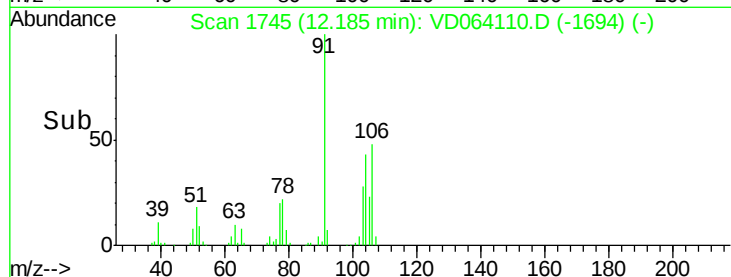
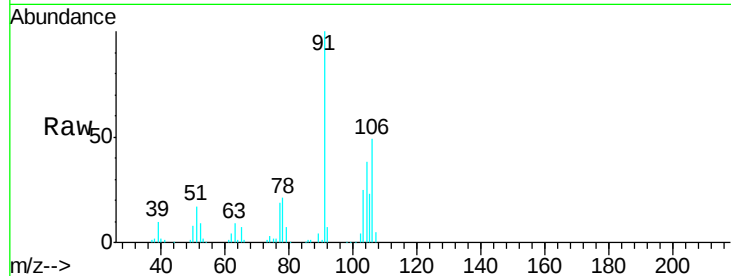
#69
o-Xylene
Concen: 19.622 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion:106 Resp: 82106
Ion Ratio Lower Upper
106 100
91 205.8 100.6 301.9

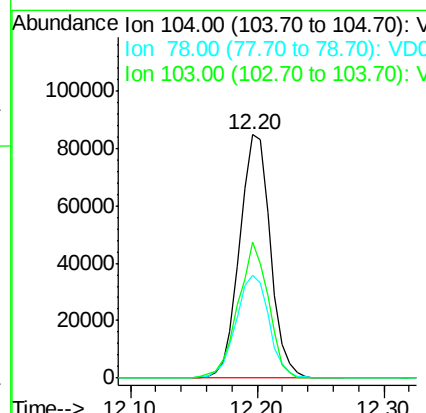
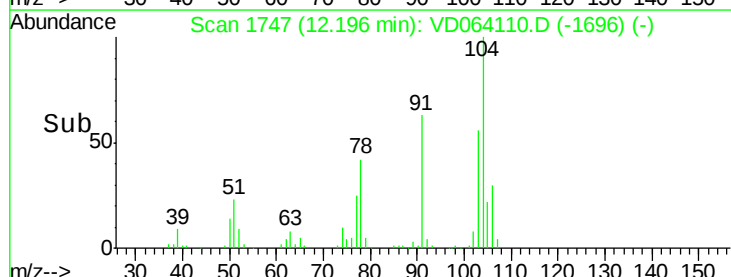
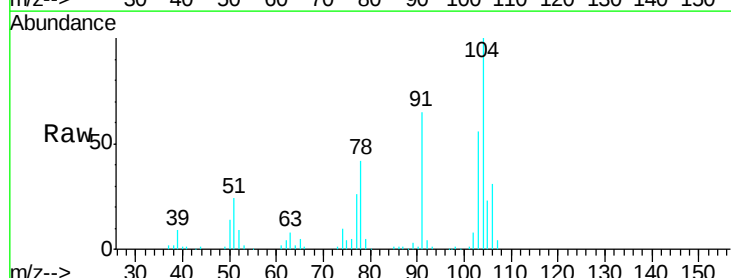
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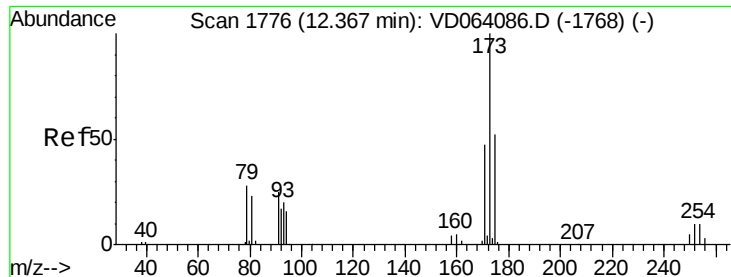
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#70
Styrene
Concen: 19.703 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion:104 Resp: 142191
Ion Ratio Lower Upper
104 100
78 45.4 34.6 51.8
103 54.9 44.2 66.2





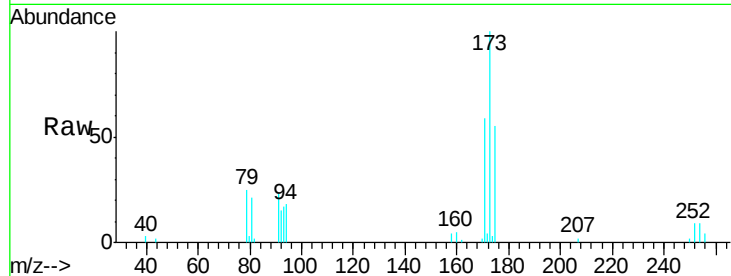
#71
Bromoform
Concen: 19.997 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	25611		
175	52.2	24.3	72.9	
254	0.0	0.0	0.0	

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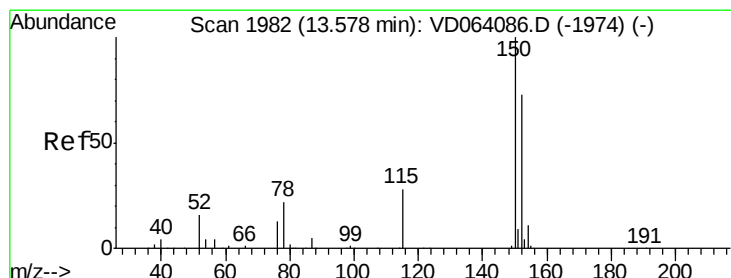
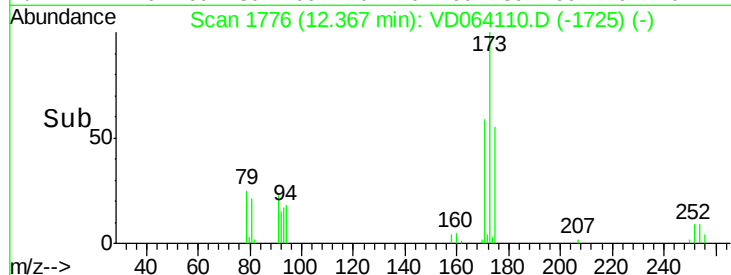
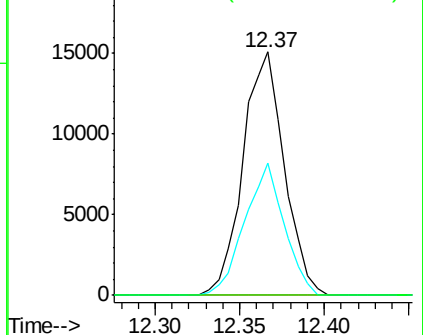


Abundance

Ion 172.70 (172.40 to 173.40): V

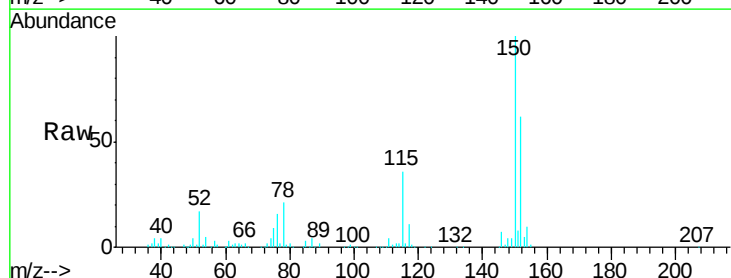
Ion 174.70 (174.40 to 175.40): V

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: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	164553		
115	54.8	26.2	78.6	
150	162.8	0.0	338.8	

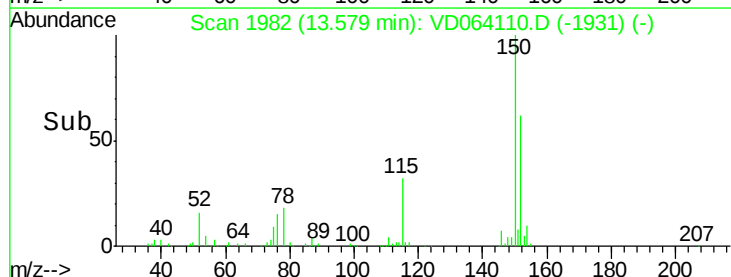
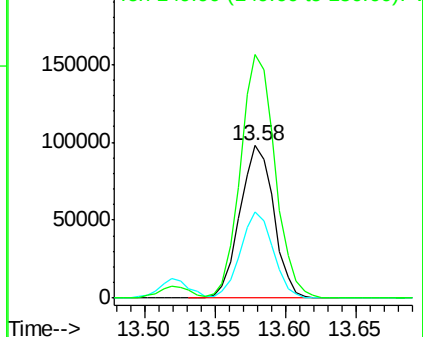


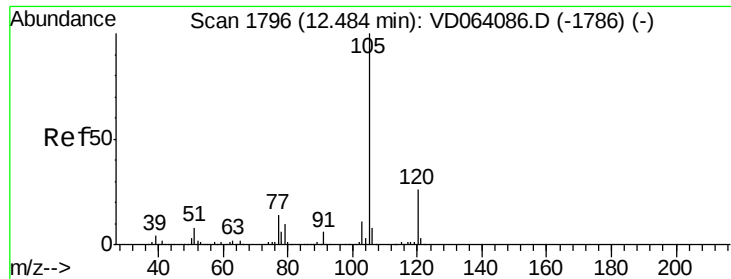
Abundance

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: 20.139 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 105 Resp: 230286

Ion Ratio Lower Upper

105 100

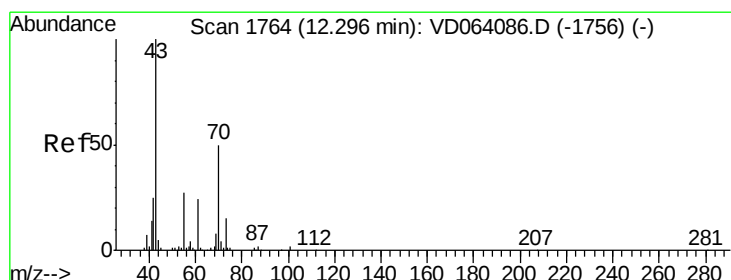
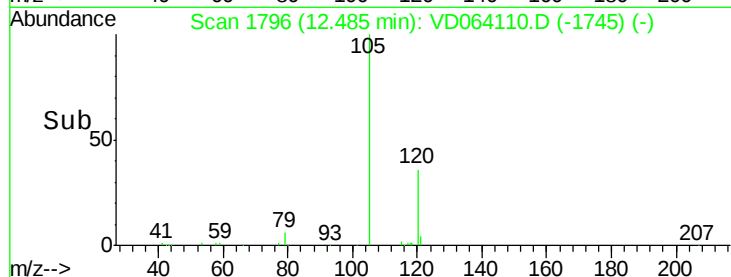
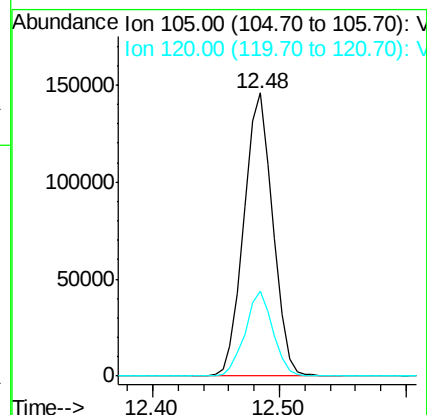
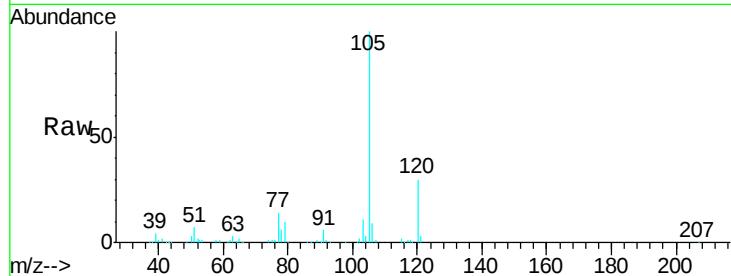
120 28.8 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.552 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion: 43 Resp: 35243

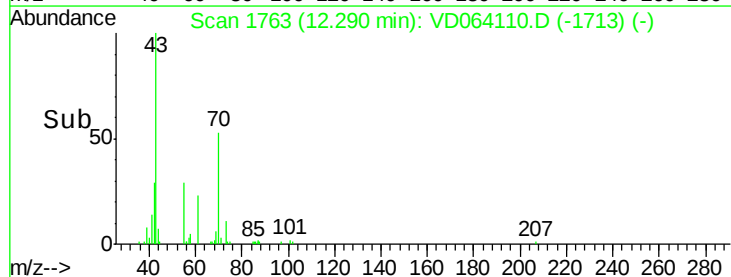
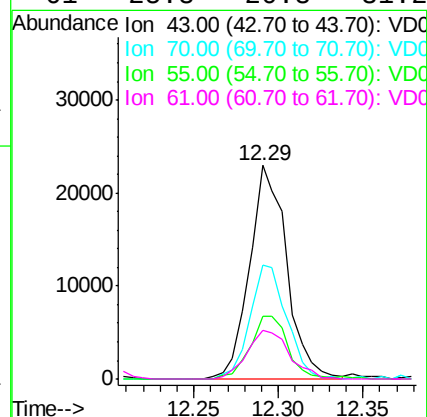
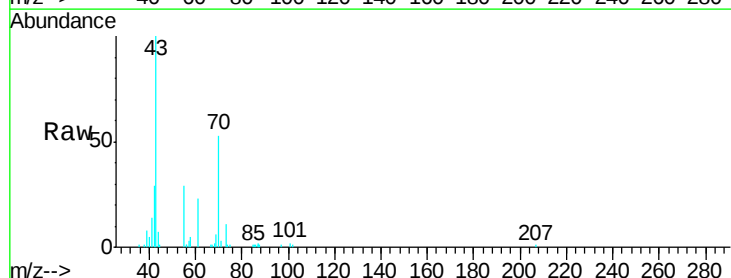
Ion Ratio Lower Upper

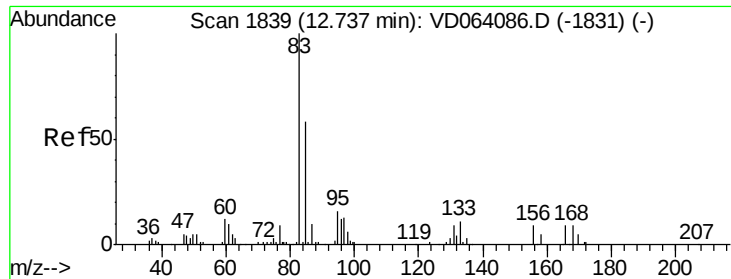
43 100

70 52.8 38.6 58.0

55 30.3 20.4 30.6

61 25.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.076 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

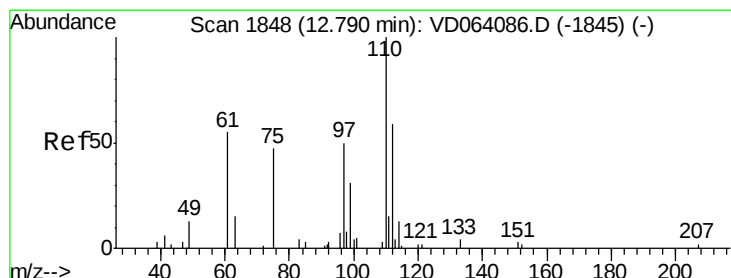
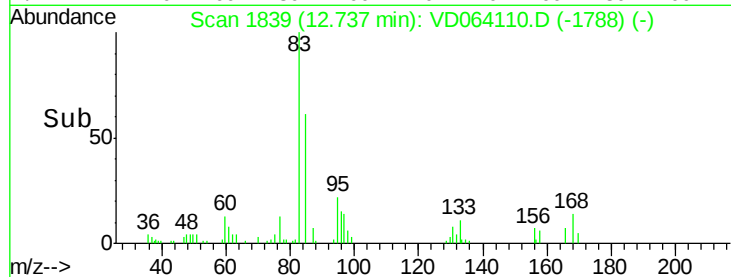
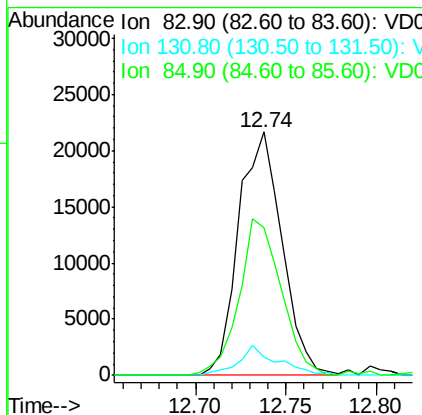
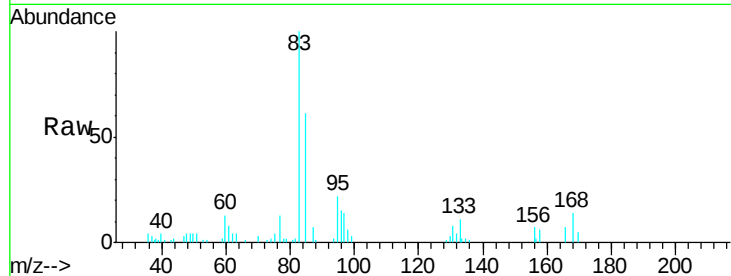
ClientSampleId :

VD1030SBS01

Tgt Ion:	83	Resp:	36184
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	62.0	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.322 ug/l m

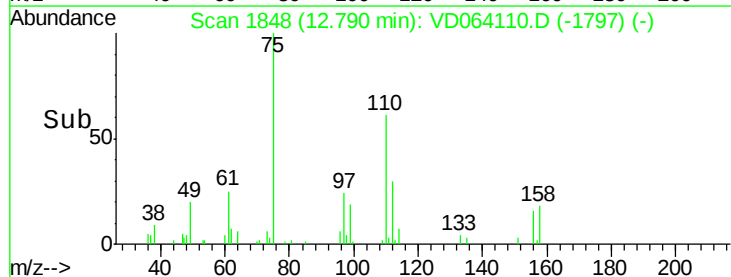
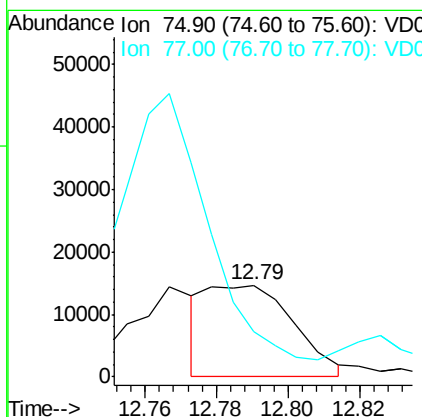
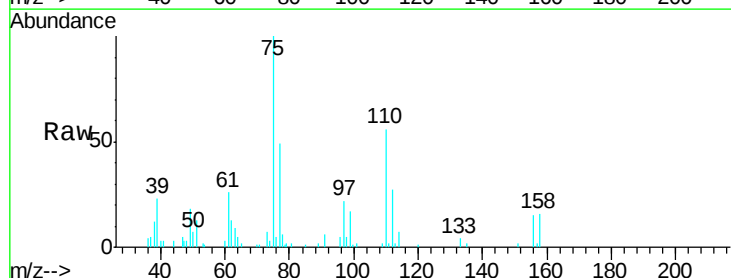
RT: 12.79 min Scan# 1848

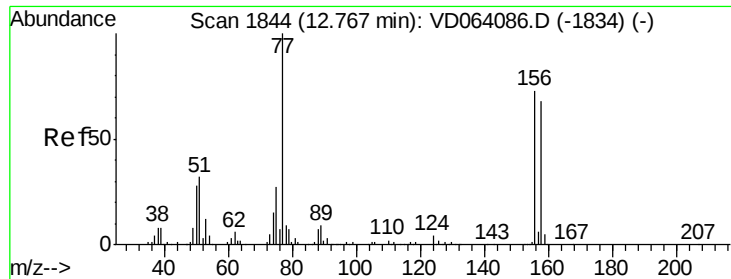
Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion:	75	Resp:	24681
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.311 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

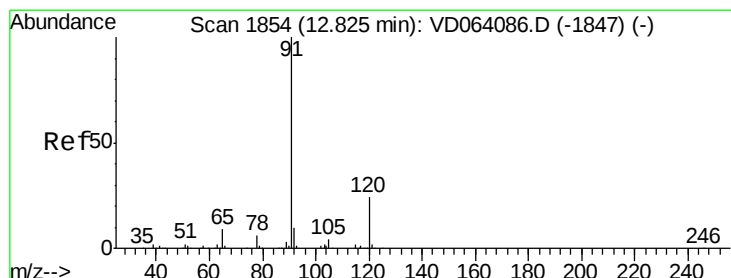
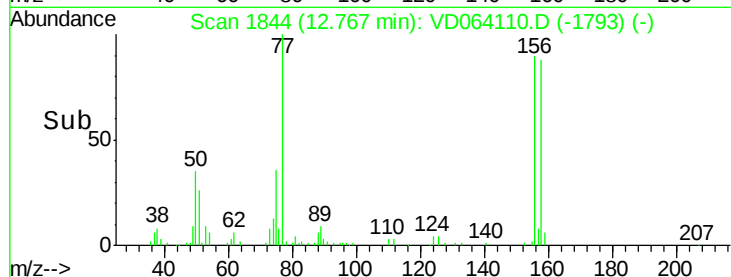
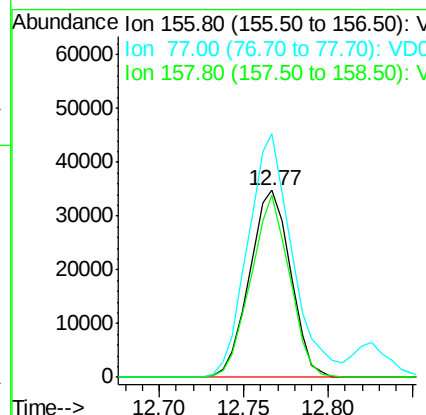
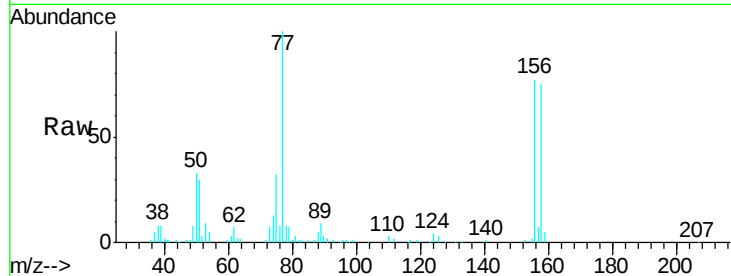
ClientSampleId :

VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	141.5	76.0	228.0
158	92.0	47.6	142.8

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#78

n-propylbenzene

Concen: 20.279 ug/l

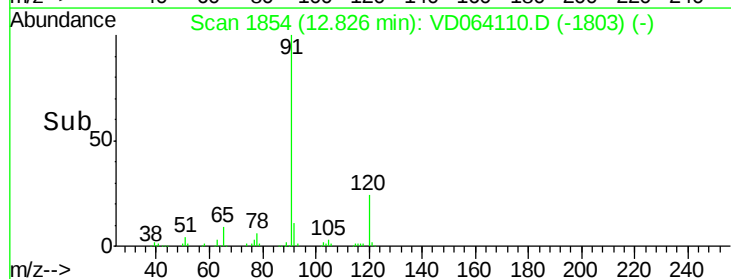
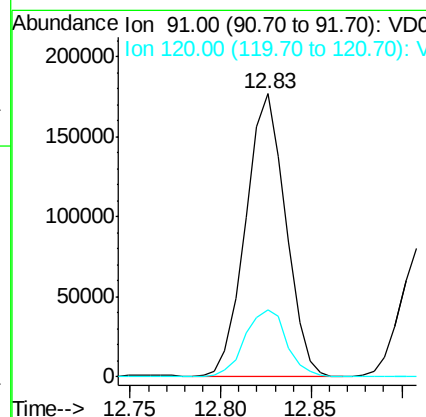
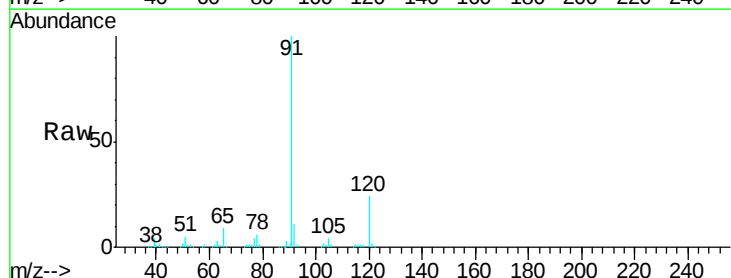
RT: 12.83 min Scan# 1854

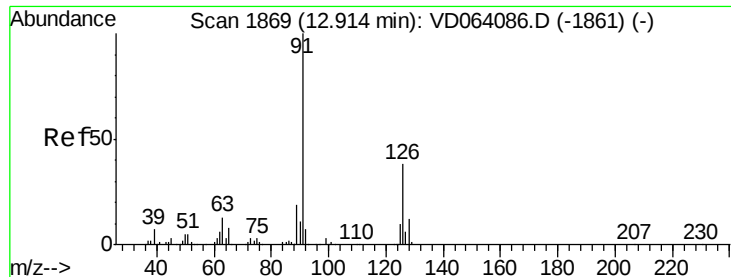
Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.1	36.3





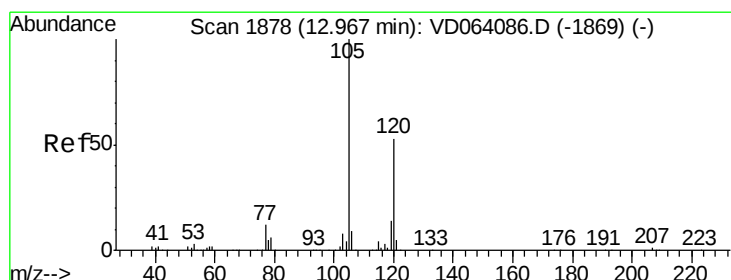
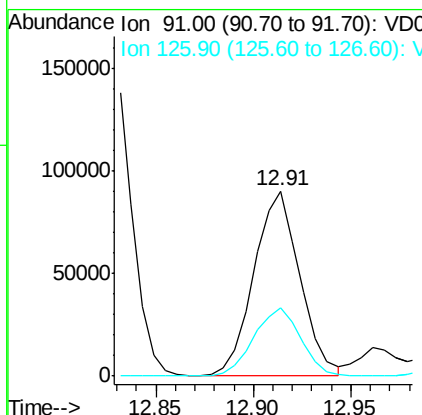
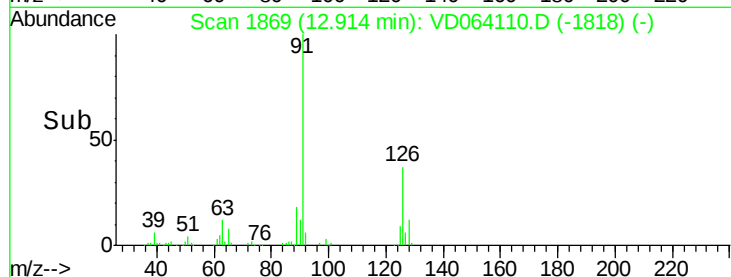
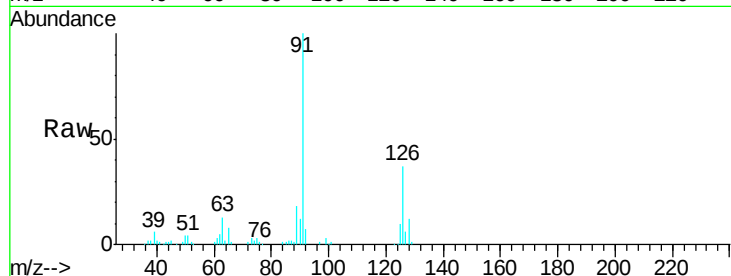
#79
2-Chlorotoluene
Concen: 20.466 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 91 Resp: 147015
Ion Ratio Lower Upper
91 100
126 37.5 19.1 57.1

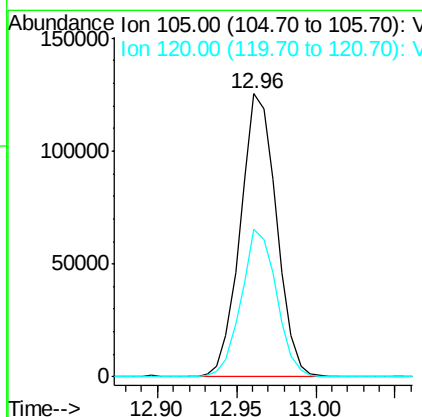
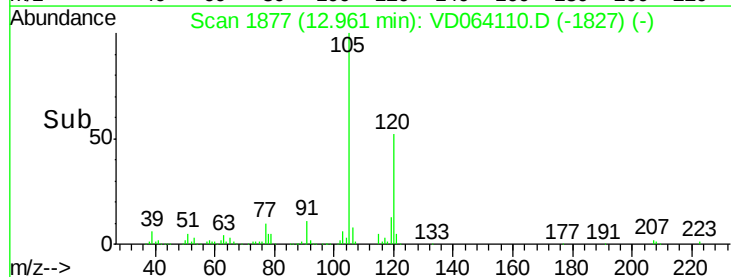
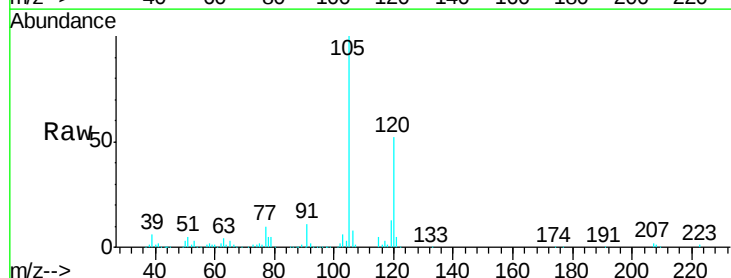
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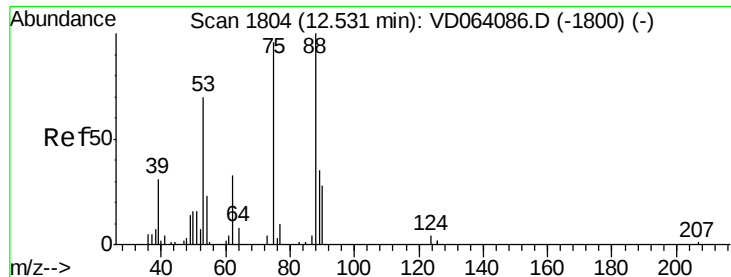
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#80
1,3,5-Trimethylbenzene
Concen: 20.697 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 105 Resp: 198071
Ion Ratio Lower Upper
105 100
120 51.2 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.743 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

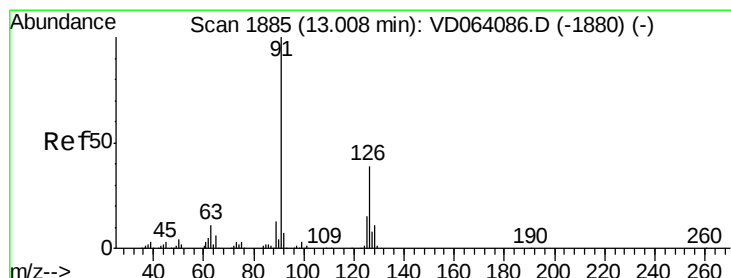
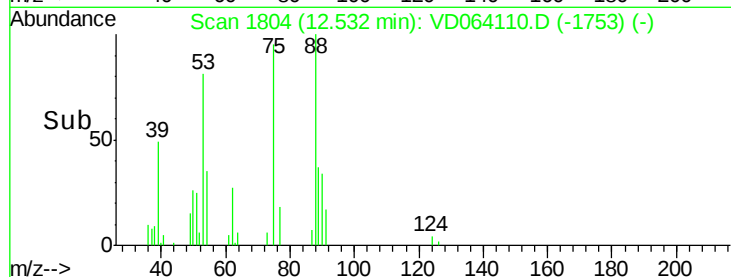
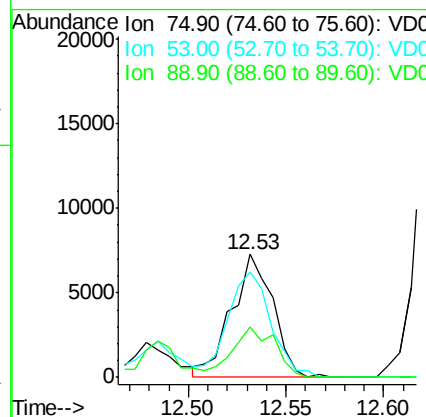
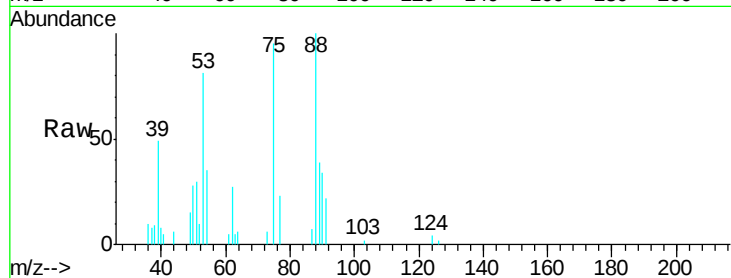
ClientSampleId :

VD1030SBS01

Tgt Ion:	75	Resp:	10689
Ion	Ratio	Lower	Upper
75	100		
53	89.7	68.6	103.0
89	42.1	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.238 ug/l

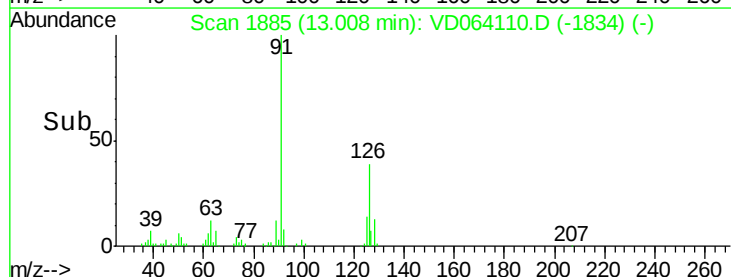
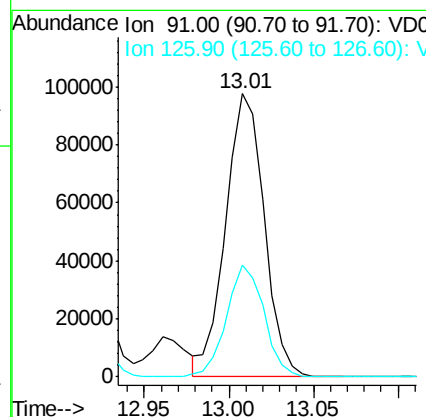
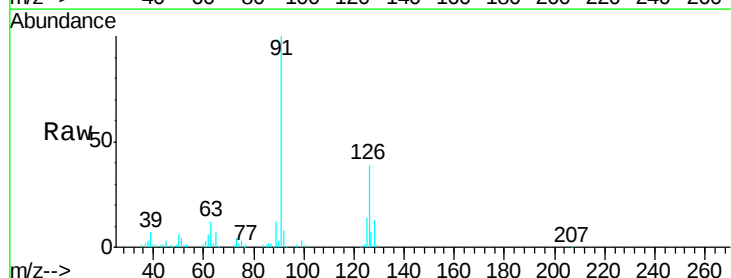
RT: 13.01 min Scan# 1885

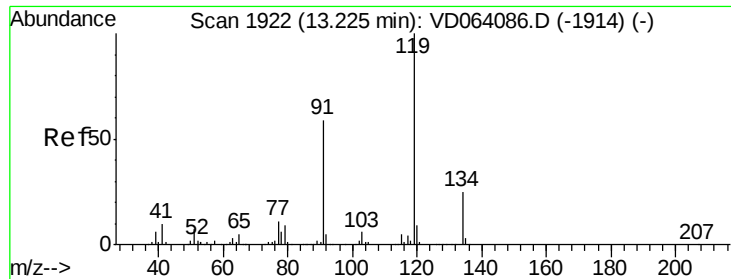
Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion:	91	Resp:	155338
Ion	Ratio	Lower	Upper
91	100		
126	38.2	18.9	56.5





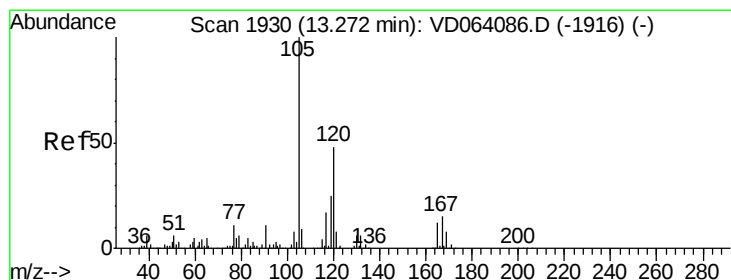
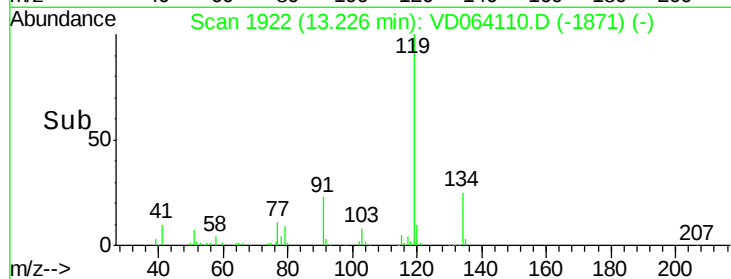
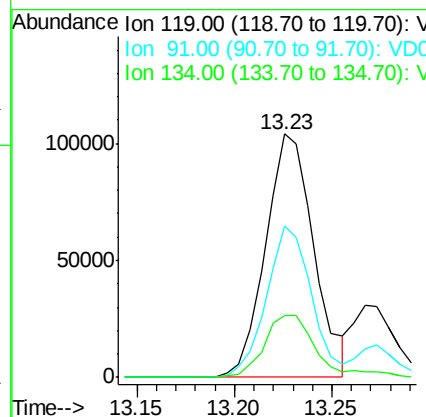
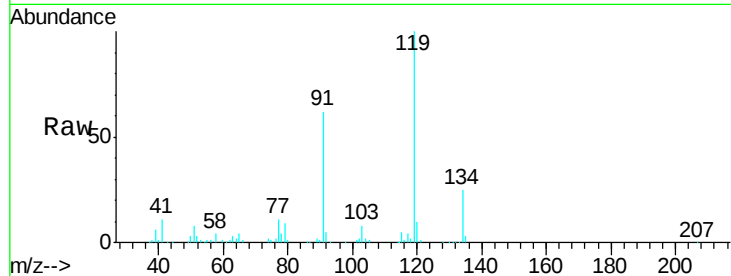
#83
 tert-Butylbenzene
 Concen: 20.763 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	178474		
91	57.6	28.3	85.0	
134	27.6	12.9	38.6	

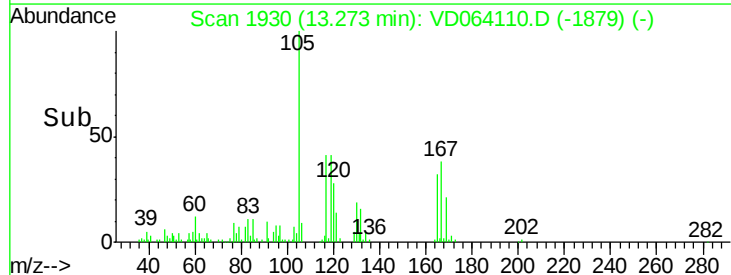
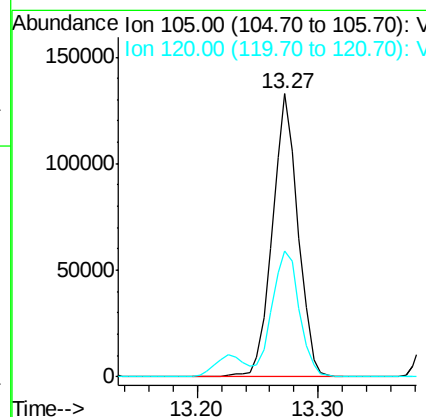
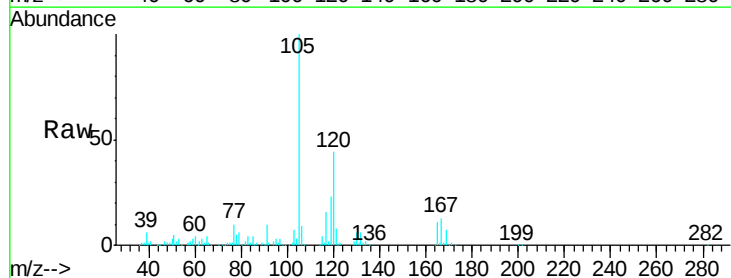
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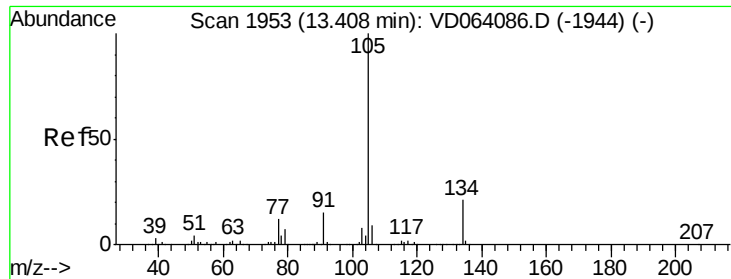
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.305 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	195202		
120	47.9	24.1	72.4	





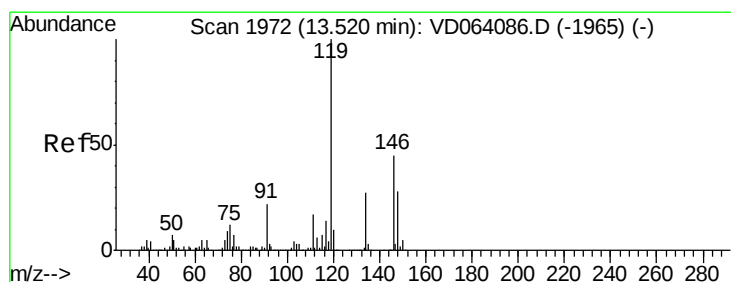
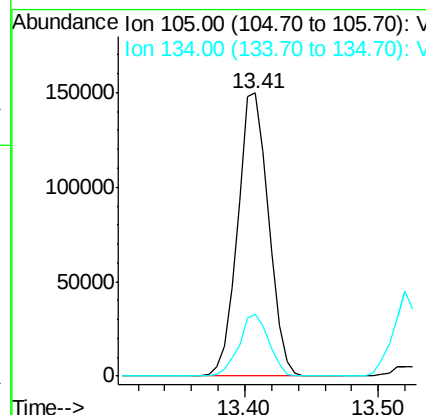
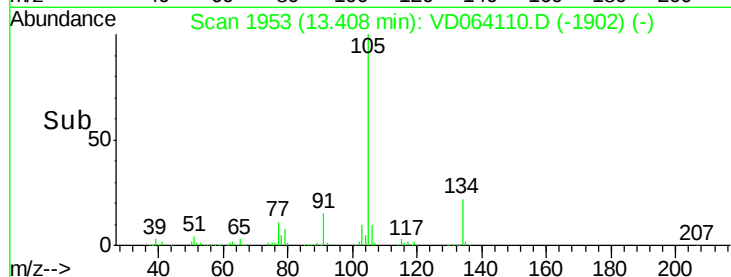
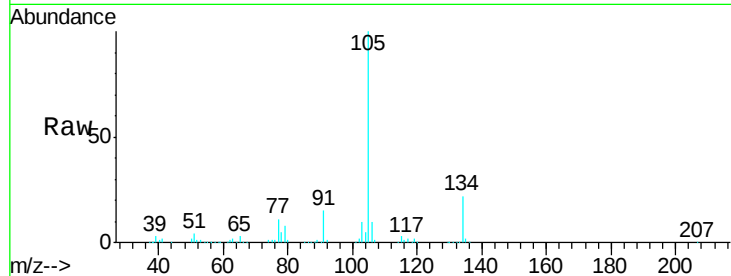
#85
 sec-Butylbenzene
 Concen: 20.380 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	240562		
134	21.0	10.4	31.2	

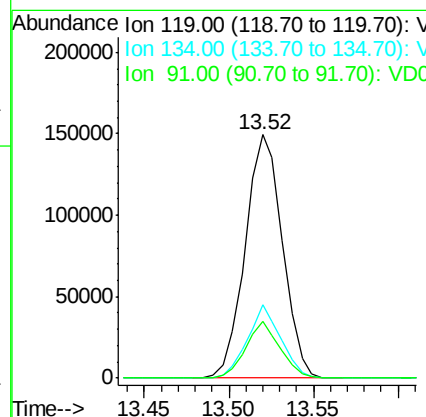
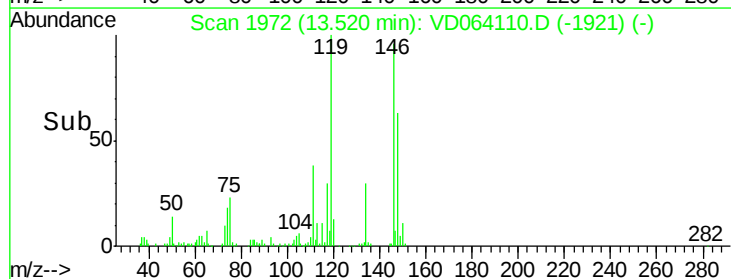
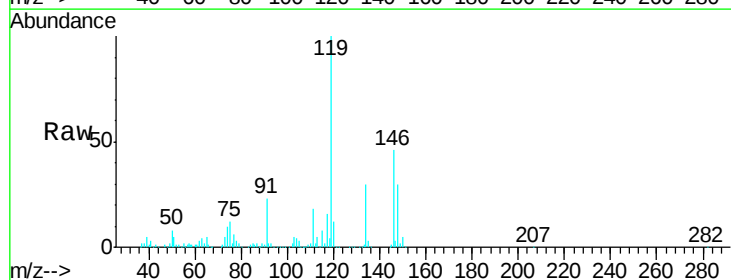
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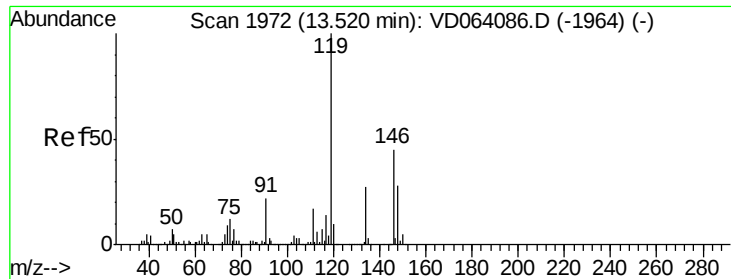
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#86
 p-Isopropyltoluene
 Concen: 20.660 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	229142		
134	27.2	13.6	40.8	
91	21.4	10.9	32.6	





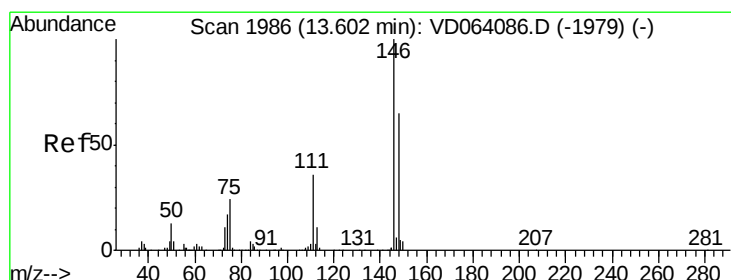
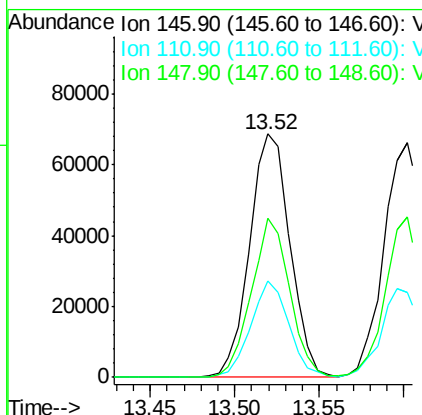
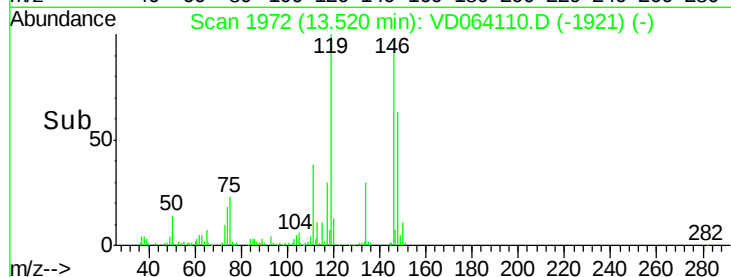
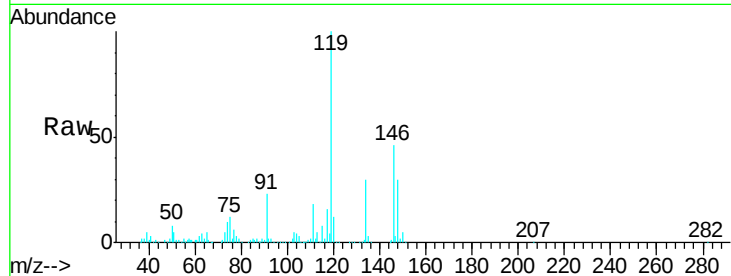
#87
 1,3-Dichlorobenzene
 Concen: 20.679 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	62.2	32.1	96.3

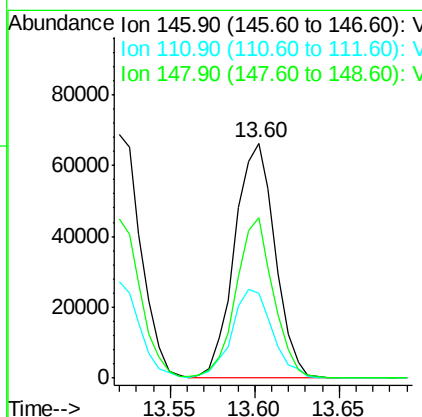
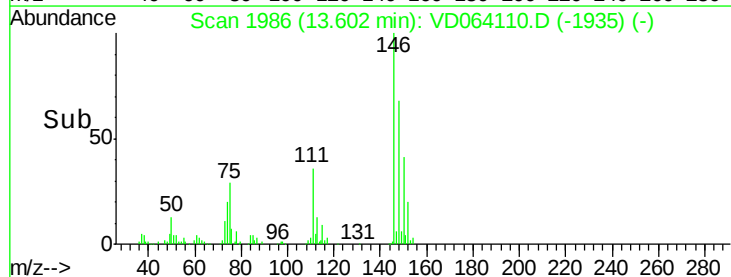
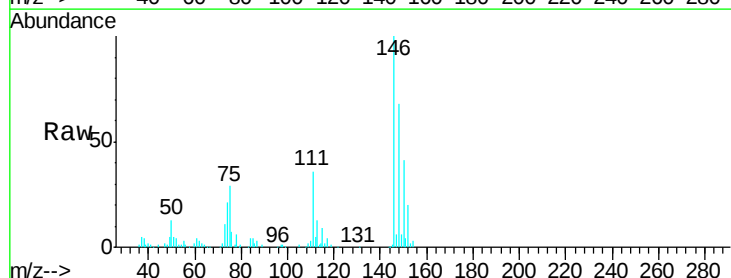
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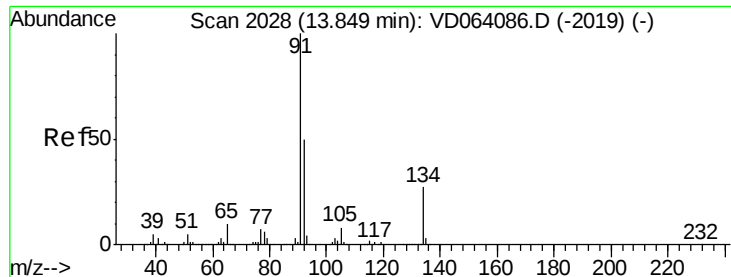
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#88
 1,4-Dichlorobenzene
 Concen: 20.263 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.4
148	63.3	32.4	97.0





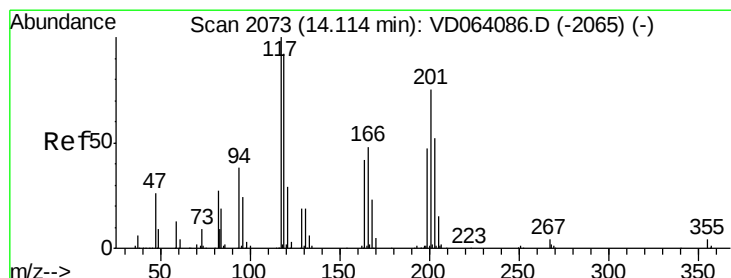
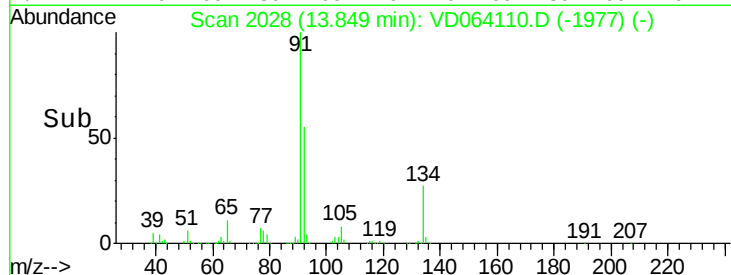
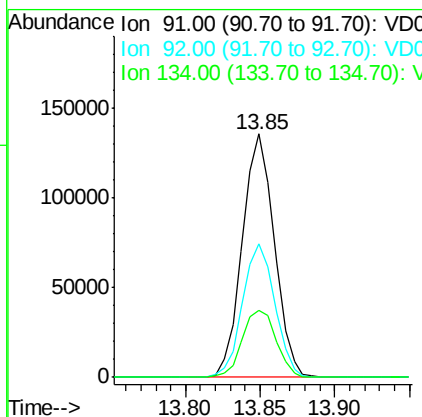
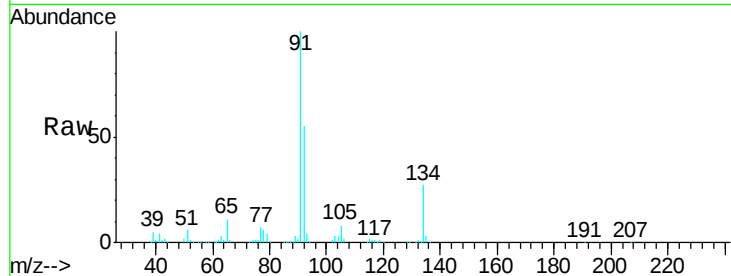
#89
n-Butylbenzene
Concen: 19.720 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	25.6	76.6
134	29.2	14.0	42.0

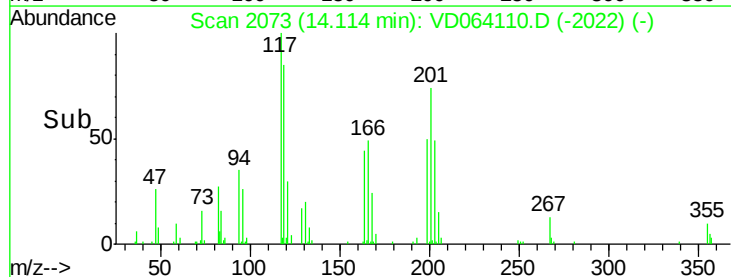
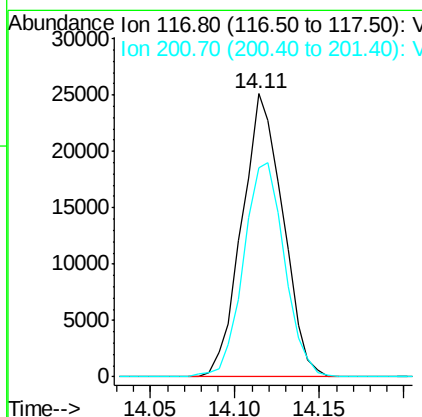
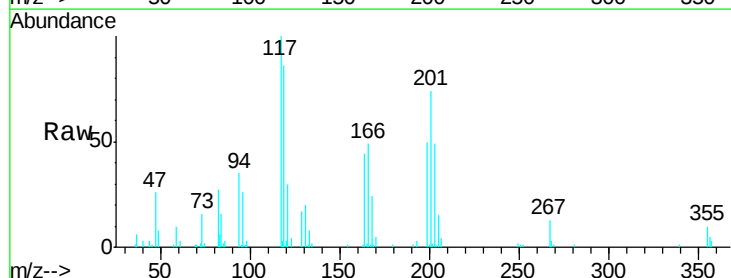
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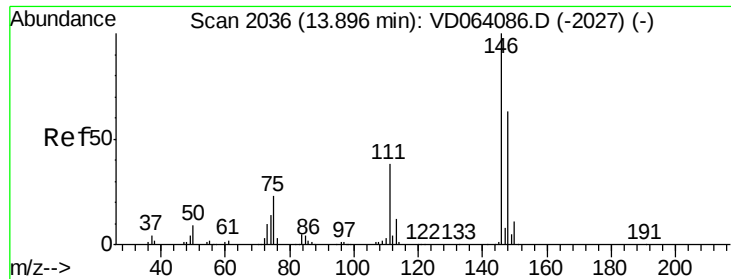
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#90
Hexachloroethane
Concen: 20.447 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	38.4	115.2





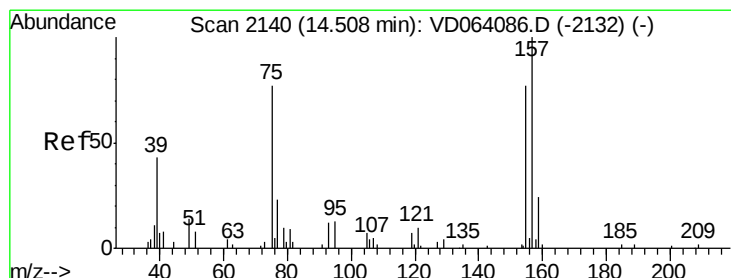
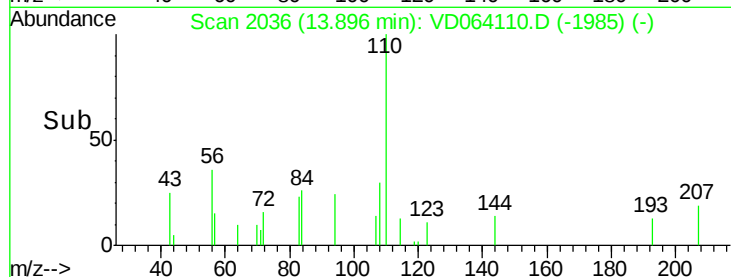
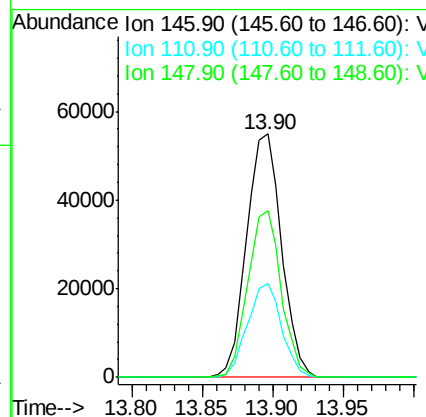
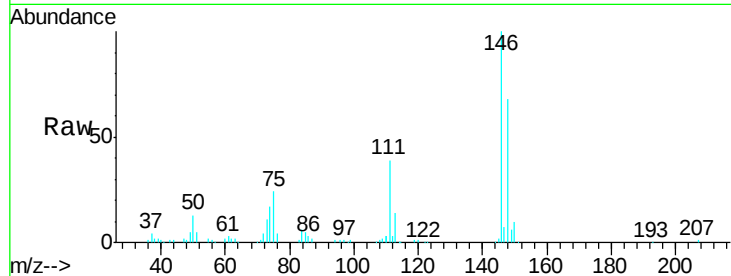
#91
1,2-Dichlorobenzene
Concen: 20.061 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	65.4	32.1	96.5

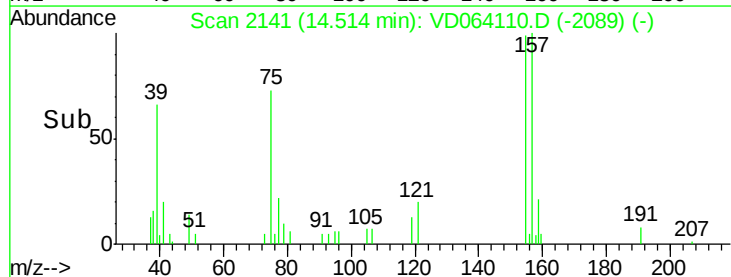
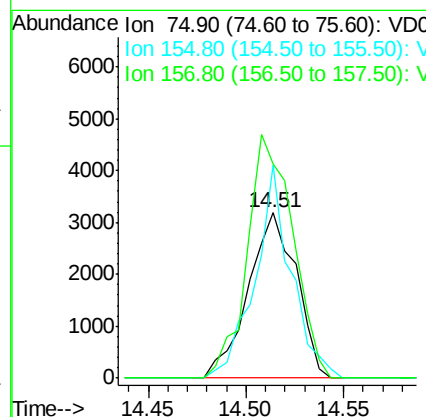
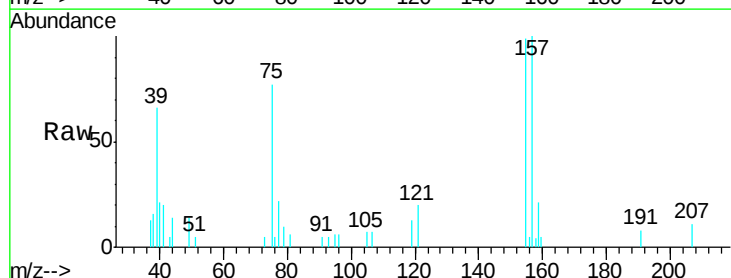
Manual Integrations
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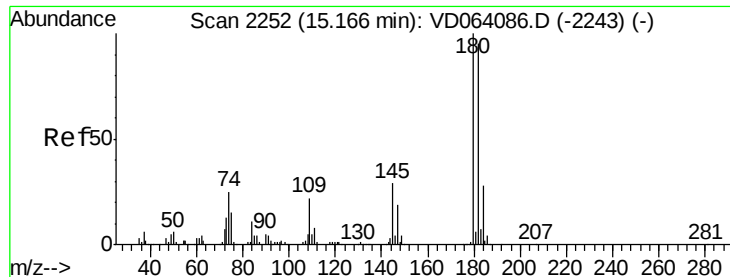
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#92
1,2-Dibromo-3-Chloropropane
Concen: 20.541 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. 0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	56.3	168.9
157	140.8	72.2	216.6





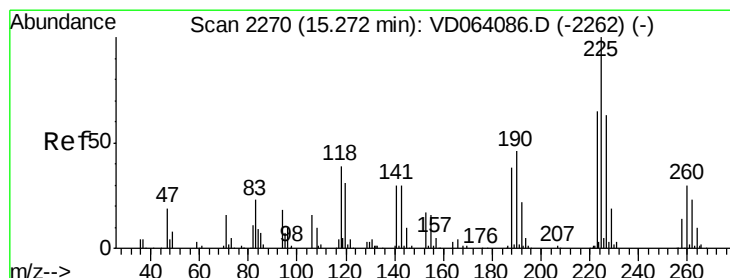
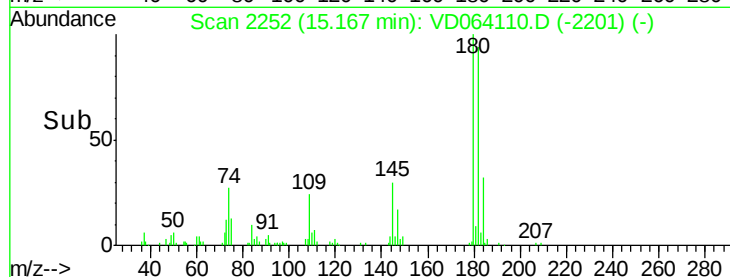
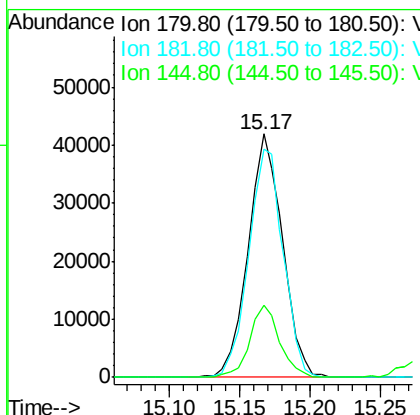
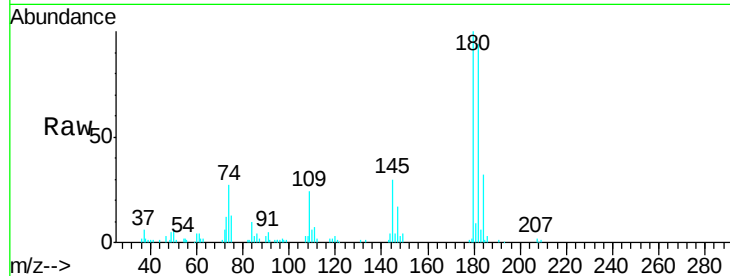
#93
 1,2,4-Trichlorobenzene
 Concen: 20.952 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	71712		
182	93.7	46.9	140.7	
145	26.0	14.2	42.6	

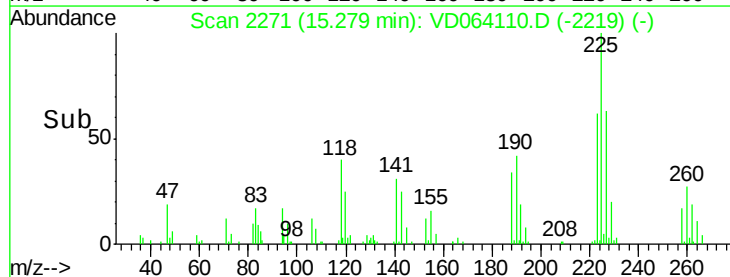
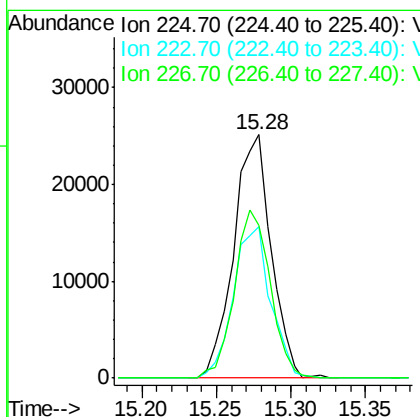
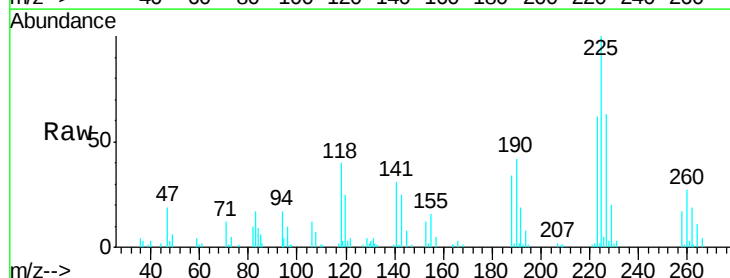
Manual Integrations
 APPROVED

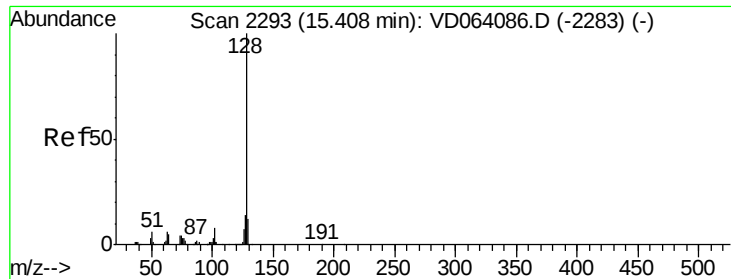
MMDadoda
 10/31/2019 3:39:16 PM



#94
 Hexachlorobutadiene
 Concen: 21.940 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43888		
223	62.2	30.8	92.3	
227	66.3	31.7	95.1	





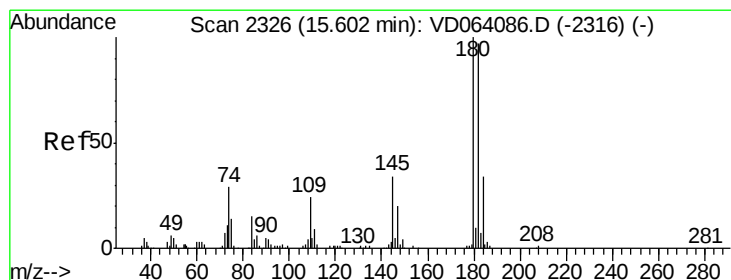
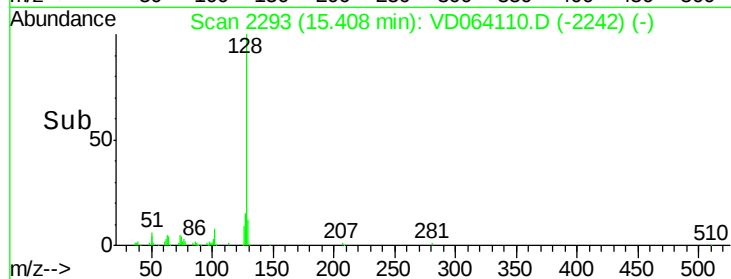
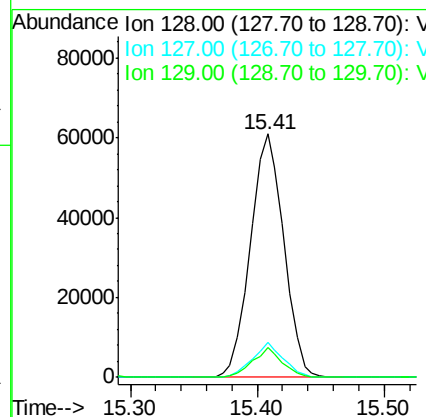
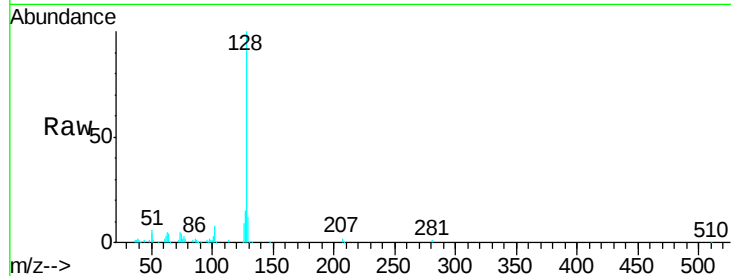
#95
Naphthalene
Concen: 20.014 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.3	10.9	16.3
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/31/2019 3:39:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.700 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	98.8	48.4	145.0
145	33.3	16.4	49.4

