

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067718.D
 Acq On : 20 Nov 2020 12:14
 Operator : VA/SY
 Sample : VD1120SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 1:41:28 PM

Quant Time: Nov 21 00:53:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	262999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	379056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	345294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	175216	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	106830	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	7.91	113	107342	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
50) Toluene-d8	10.34	98	366058	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
62) 4-Bromofluorobenzene	12.64	95	137761	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	53550	22.668	ug/l	98
3) Chloromethane	2.21	50	30279	18.488	ug/l	98
4) Vinyl Chloride	2.35	62	34899	19.113	ug/l	97
5) Bromomethane	2.76	94	29724	20.084	ug/l	93
6) Chloroethane	2.92	64	23263	20.665	ug/l	96
7) Trichlorofluoromethane	3.27	101	105295	22.271	ug/l	95
8) Diethyl Ether	3.71	74	19991	20.985	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	52324	21.925	ug/l	99
10) Methyl Iodide	4.30	142	47319	18.500	ug/l	97
11) Tert butyl alcohol	5.21	59	22745m	227.714	ug/l	
12) 1,1-Dichloroethene	4.07	96	44785	20.402	ug/l	87
13) Acrolein	3.93	56	3785	61.230	ug/l	89
14) Allyl chloride	4.71	41	46155	19.646	ug/l	97
15) Acrylonitrile	5.41	53	36550	103.791	ug/l	98
16) Acetone	4.16	43	35857	104.197	ug/l	93
17) Carbon Disulfide	4.41	76	126083	18.744	ug/l	99
18) Methyl Acetate	4.71	43	15462	21.743	ug/l #	81
19) Methyl tert-butyl Ether	5.48	73	95588	22.076	ug/l	97
20) Methylene Chloride	4.96	84	59994	24.680	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	54358	21.261	ug/l	95
22) Diisopropyl ether	6.36	45	95005	20.752	ug/l	97
23) Vinyl Acetate	6.30	43	247766	103.388	ug/l	99
24) 1,1-Dichloroethane	6.27	63	76675	20.472	ug/l	95
25) 2-Butanone	7.21	43	39922	108.569	ug/l #	88
26) 2,2-Dichloropropane	7.20	77	92691	23.449	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	56008	21.105	ug/l	97
28) Bromochloromethane	7.54	49	25036	18.792	ug/l	88
29) Tetrahydrofuran	7.57	42	21899	99.424	ug/l	94
30) Chloroform	7.71	83	100658	22.527	ug/l	99
31) Cyclohexane	7.99	56	62191	18.646	ug/l #	74
32) 1,1,1-Trichloroethane	7.91	97	103942	22.546	ug/l	99
36) 1,1-Dichloropropene	8.11	75	72111	22.225	ug/l	97
37) Ethyl Acetate	7.29	43	17904	21.254	ug/l	98
38) Carbon Tetrachloride	8.10	117	95642	22.687	ug/l	100

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

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Manual Integrations
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MMDadoda
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Quant Time: Nov 21 00:53:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	79850	20.909	ug/l	93
40) Benzene	8.35	78	191598	21.800	ug/l	92
41) Methacrylonitrile	7.53	41	12075	23.981	ug/l	94
42) 1,2-Dichloroethane	8.43	62	62985	23.194	ug/l	98
43) Isopropyl Acetate	8.45	43	35780	21.477	ug/l	99
44) Trichloroethene	9.12	130	63335	21.916	ug/l	85
45) 1,2-Dichloropropane	9.39	63	41149	21.655	ug/l	93
46) Dibromomethane	9.47	93	27198	22.511	ug/l	99
47) Bromodichloromethane	9.67	83	75334	22.940	ug/l	98
48) Methyl methacrylate	9.46	41	17618	20.482	ug/l	89
49) 1,4-Dioxane	9.46	88	5690	463.900	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	88863	111.532	ug/l	99
52) Toluene	10.41	92	134113	22.782	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	64108	22.793	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	73734	22.065	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	37052	23.177	ug/l	95
56) Ethyl methacrylate	10.66	69	35930	21.765	ug/l	98
57) 1,3-Dichloropropane	10.95	76	56872	22.108	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	84195	109.366	ug/l	96
59) 2-Hexanone	10.98	43	61809	110.950	ug/l	97
60) Dibromochloromethane	11.14	129	54031	22.848	ug/l	99
61) 1,2-Dibromoethane	11.25	107	35980	22.425	ug/l	97
64) Tetrachloroethene	10.88	164	57175	22.358	ug/l	97
65) Chlorobenzene	11.67	112	148605	22.342	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	59599	22.735	ug/l	98
67) Ethyl Benzene	11.75	91	257311	22.607	ug/l	96
68) m/p-Xylenes	11.86	106	198511	44.831	ug/l	98
69) o-Xylene	12.18	106	91087	23.040	ug/l	96
70) Styrene	12.20	104	157756	22.900	ug/l	99
71) Bromoform	12.36	173	32090	24.002	ug/l #	95
73) Isopropylbenzene	12.48	105	257302	22.722	ug/l	99
74) N-amyl acetate	12.29	43	32248	21.642	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	33873	21.936	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	20310m	19.215	ug/l	
77) Bromobenzene	12.77	156	62702	22.546	ug/l	97
78) n-propylbenzene	12.83	91	289383	22.342	ug/l	98
79) 2-Chlorotoluene	12.91	91	166886	22.682	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	221696	22.918	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	11409	21.914	ug/l	98
82) 4-Chlorotoluene	13.01	91	182163	23.084	ug/l	99
83) tert-Butylbenzene	13.23	119	191509	23.360	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	224935	23.360	ug/l	98
85) sec-Butylbenzene	13.41	105	255022	23.043	ug/l	100
86) p-Isopropyltoluene	13.52	119	253769	23.745	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	124525	23.466	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	121272	22.570	ug/l	98
89) n-Butylbenzene	13.84	91	209547	22.699	ug/l	100
90) Hexachloroethane	14.11	117	46072	22.892	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	108263	23.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6309	23.076	ug/l	99

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ClientSampleId :
VD1120SBS01

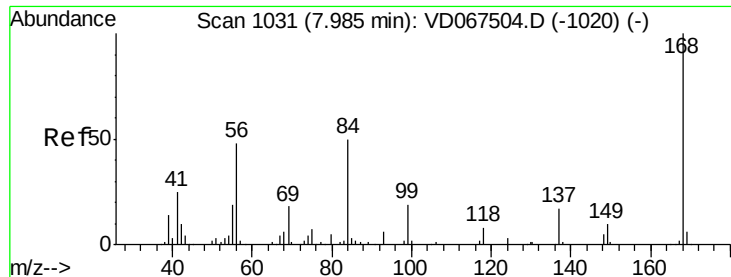
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72037	23.110	ug/l	100
94) Hexachlorobutadiene	15.27	225	47852	22.938	ug/l	97
95) Naphthalene	15.40	128	112851	23.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	61144	22.906	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion:168 Resp: 262999

Ion Ratio Lower Upper

168 100

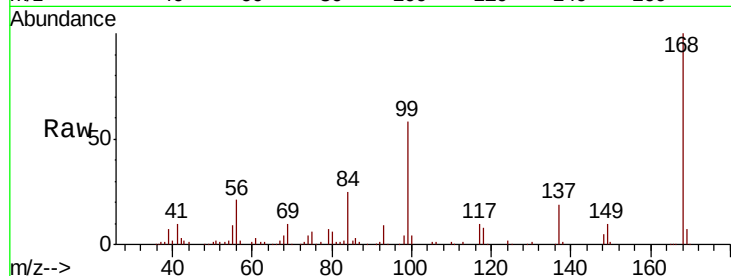
99 57.8 45.0 67.6

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

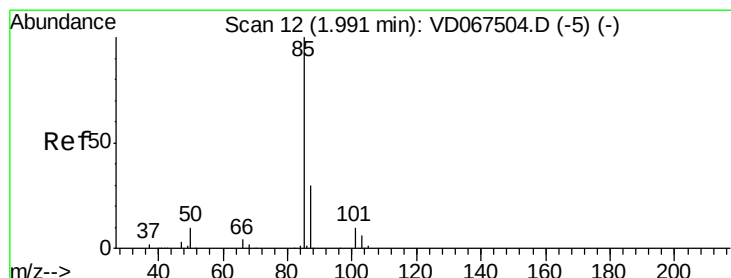
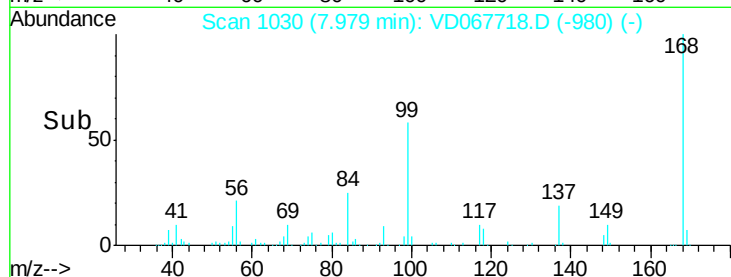
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.668 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067718.D

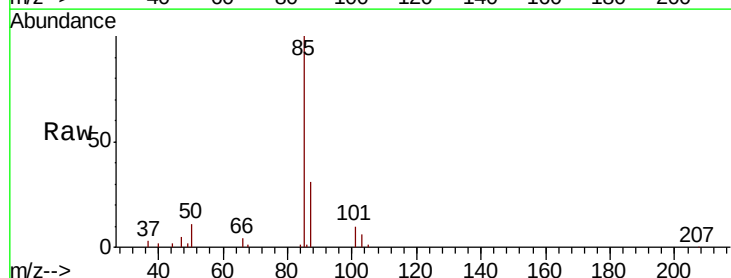
Acq: 20 Nov 2020 12:14

Tgt Ion: 85 Resp: 53550

Ion Ratio Lower Upper

85 100

87 31.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

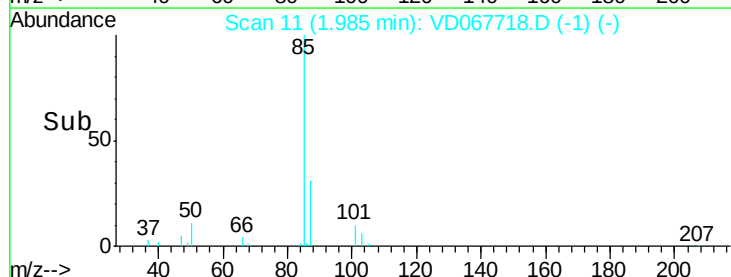
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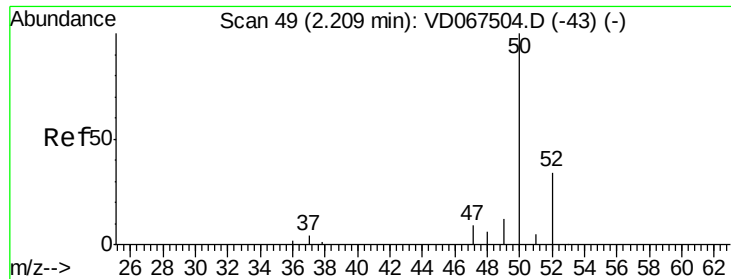
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.488 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 50 Resp: 30279

Ion Ratio Lower Upper

50 100

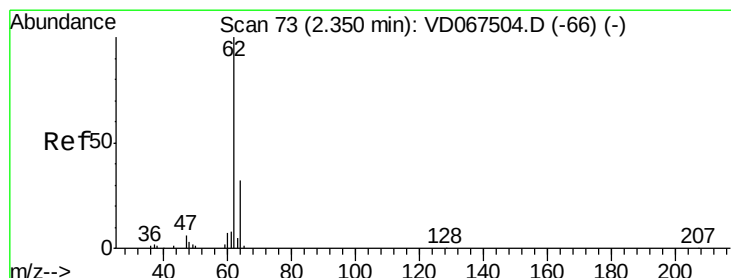
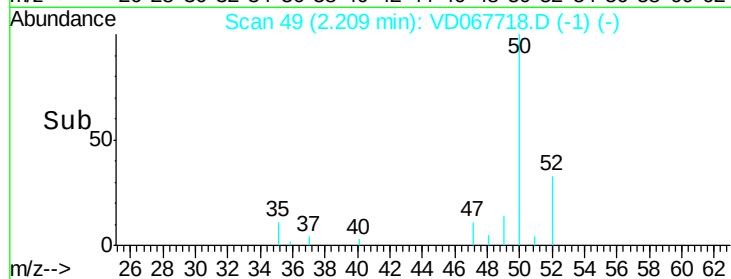
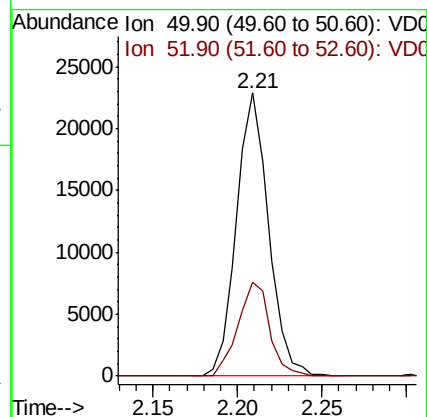
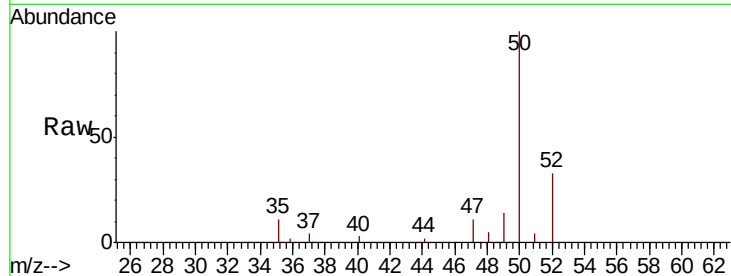
52 33.0 27.3 40.9

Manual Integrations

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11/23/2020 1:41:28 PM



#4

Vinyl Chloride

Concen: 19.113 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067718.D

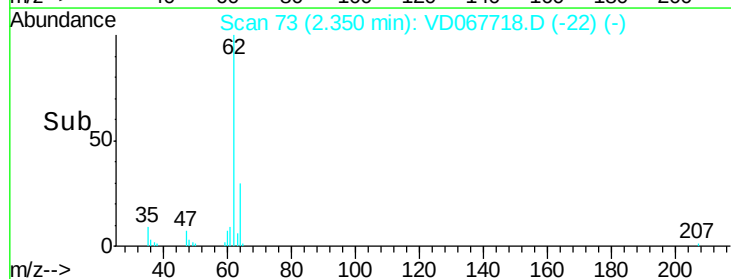
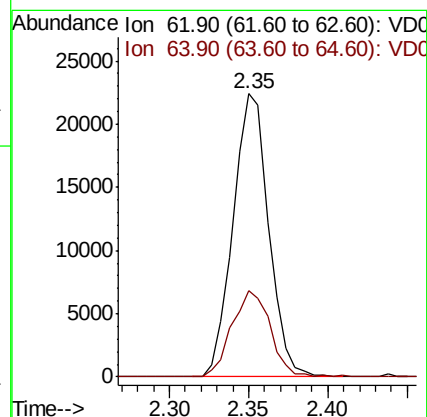
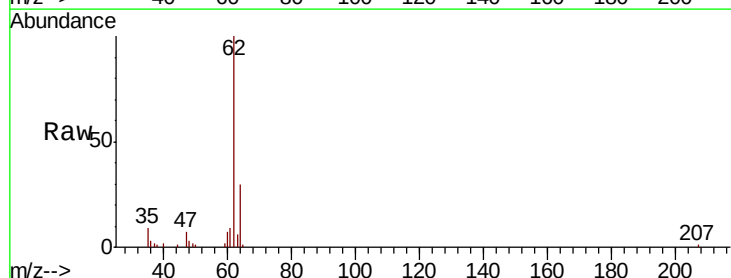
Acq: 20 Nov 2020 12:14

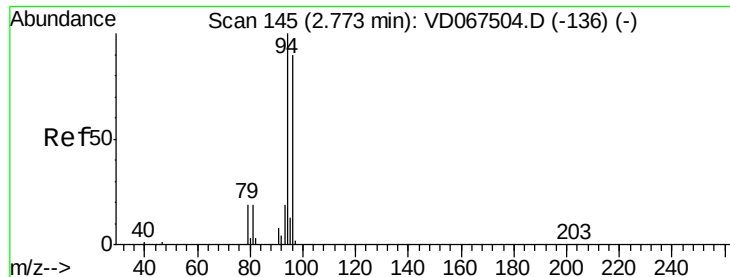
Tgt Ion: 62 Resp: 34899

Ion Ratio Lower Upper

62 100

64 30.4 25.6 38.4





#5

Bromomethane

Concen: 20.084 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 94 Resp: 29724

Ion Ratio Lower Upper

94 100

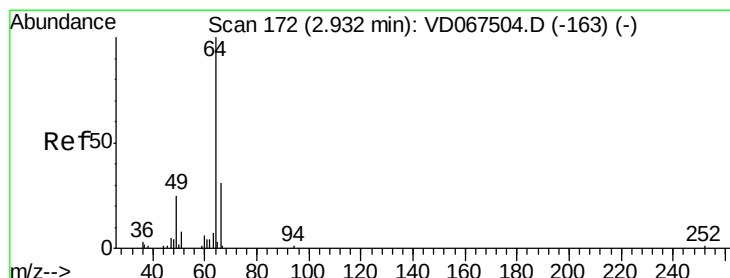
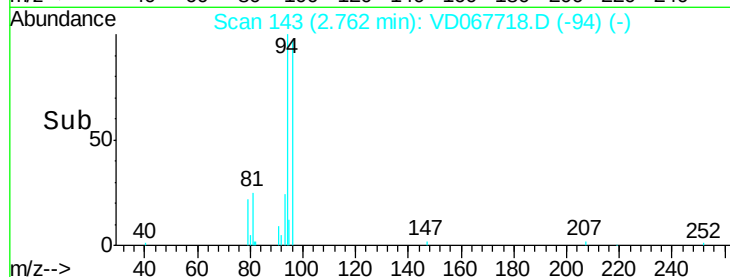
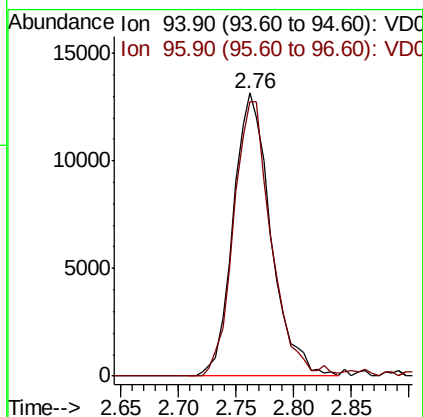
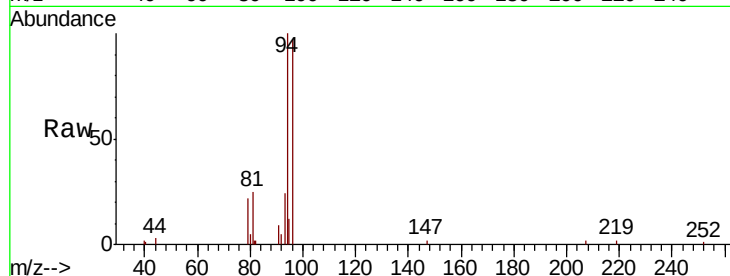
96 96.8 72.2 108.2

Manual Integrations

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11/23/2020 1:41:28 PM



#6

Chloroethane

Concen: 20.665 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067718.D

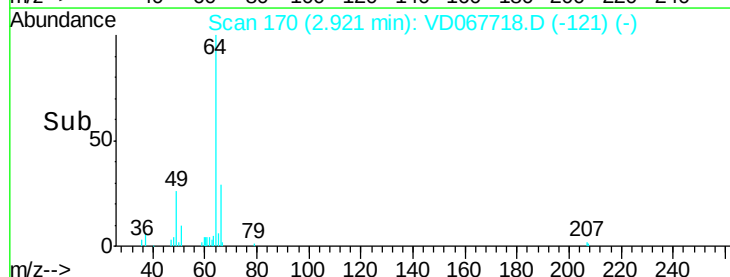
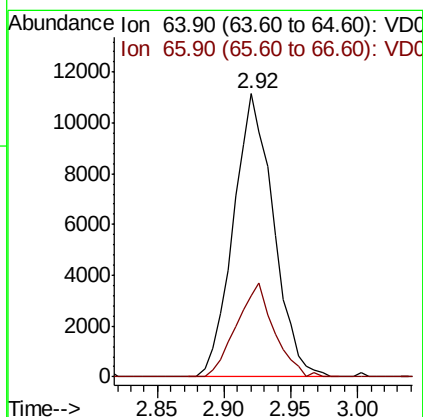
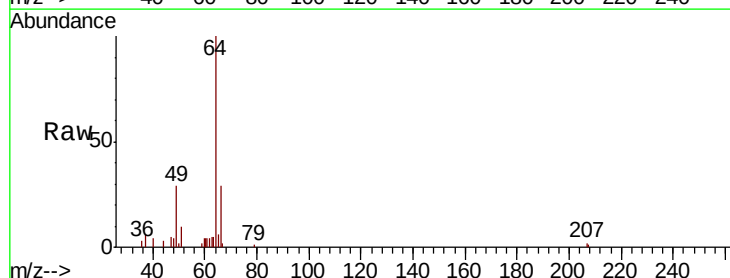
Acq: 20 Nov 2020 12:14

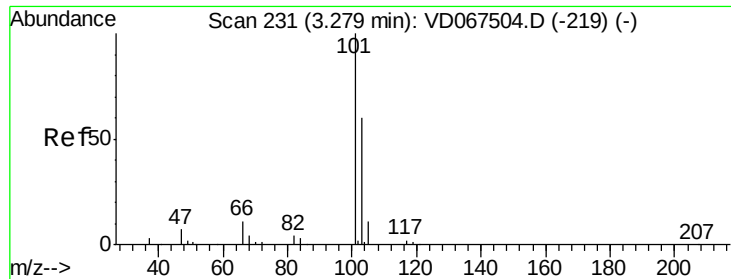
Tgt Ion: 64 Resp: 23263

Ion Ratio Lower Upper

64 100

66 28.6 24.6 36.8





#7

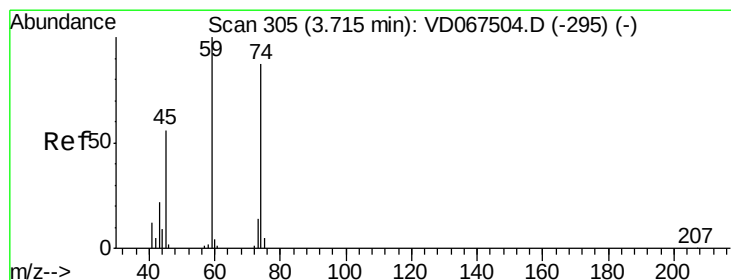
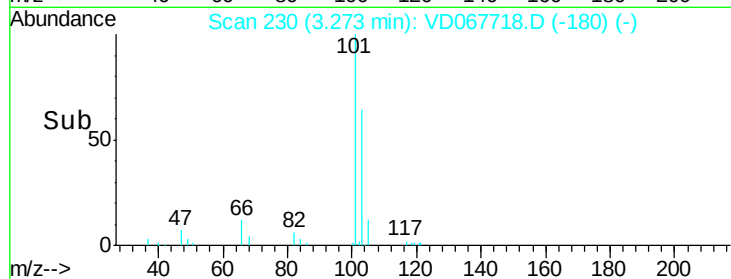
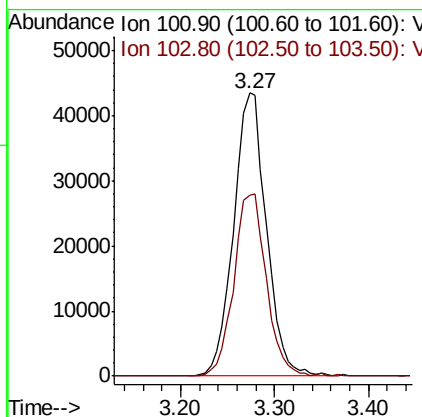
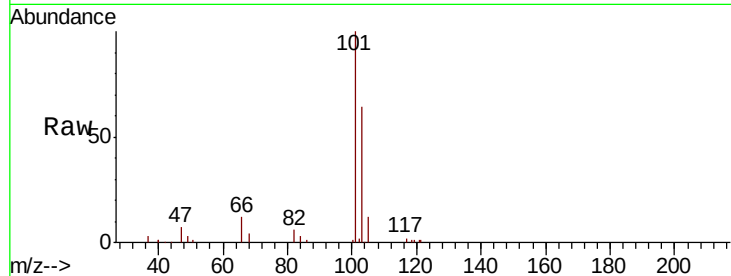
Trichlorofluoromethane
Concen: 22.271 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

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VD1120SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		105295		
103	63.8	48.1	72.1		

Manual Integrations
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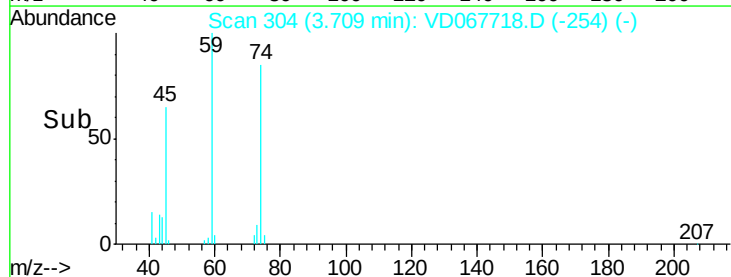
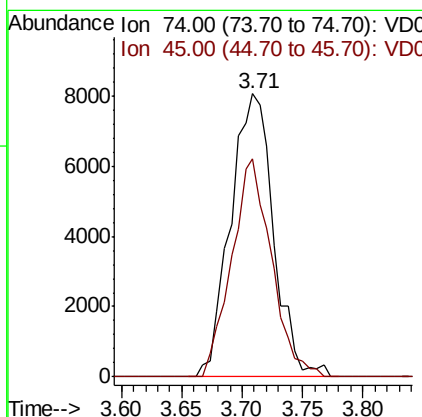
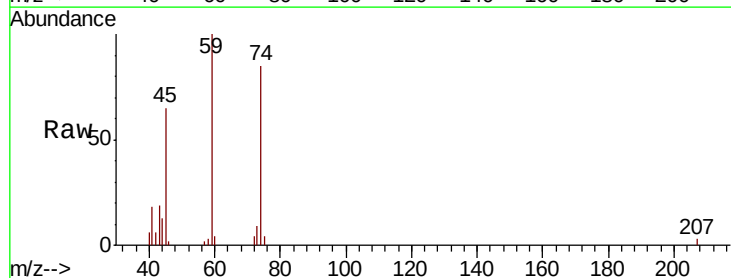
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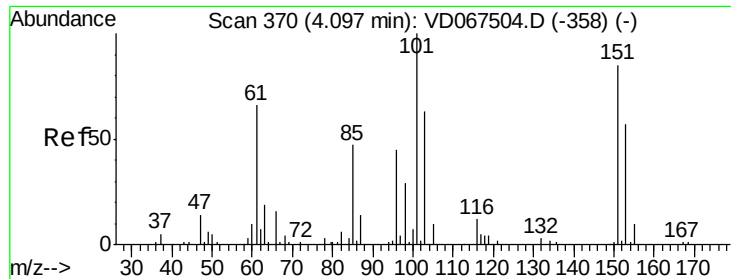


#8

Diethyl Ether
Concen: 20.985 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		19991		
45	71.5	38.2	114.6		





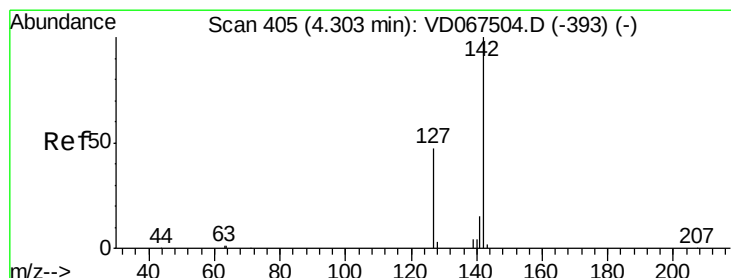
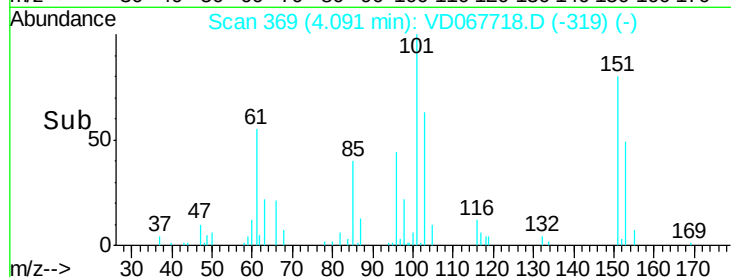
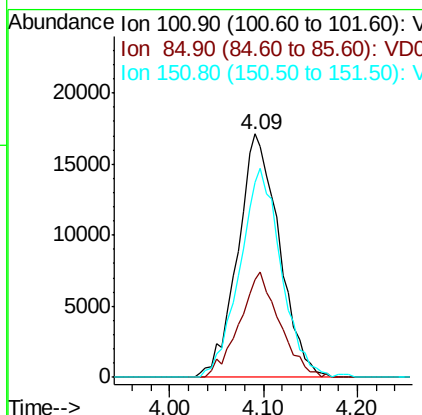
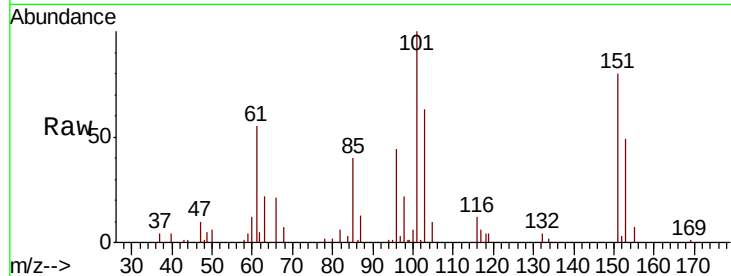
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.925 ug/l
 RT: 4.09 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VD067718.D
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 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.8	34.4	51.6
151	85.5	68.1	102.1

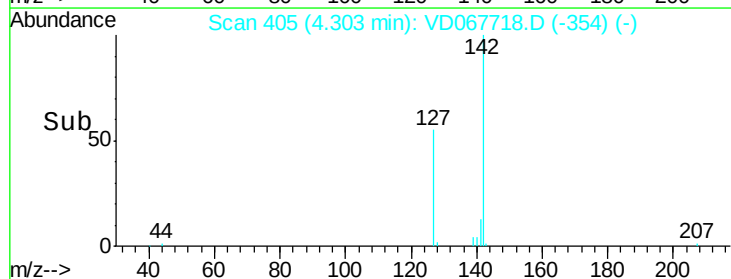
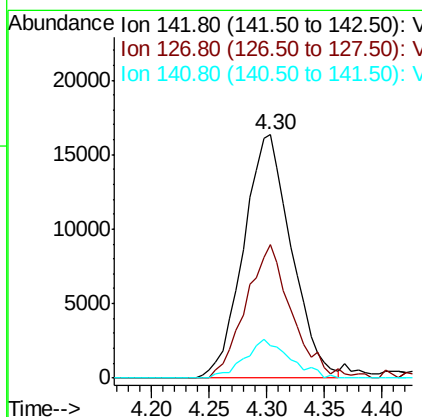
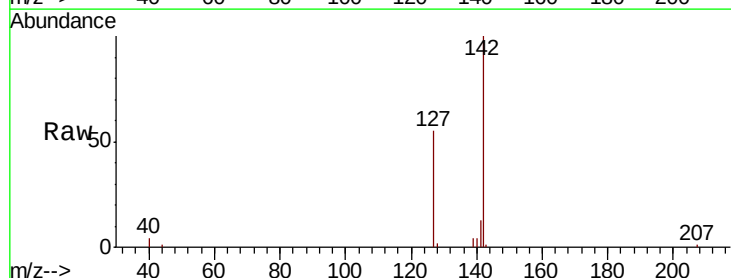
Manual Integrations
 APPROVED

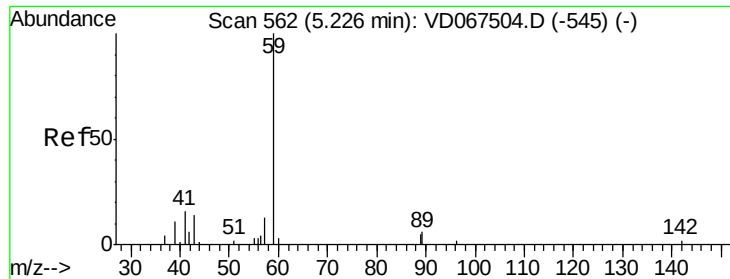
MMDadoda
 11/23/2020 1:41:28 PM



#10
 Methyl Iodide
 Concen: 18.500 ug/l
 RT: 4.30 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
142	100		
127	52.7	40.0	60.0
141	14.8	11.7	17.5





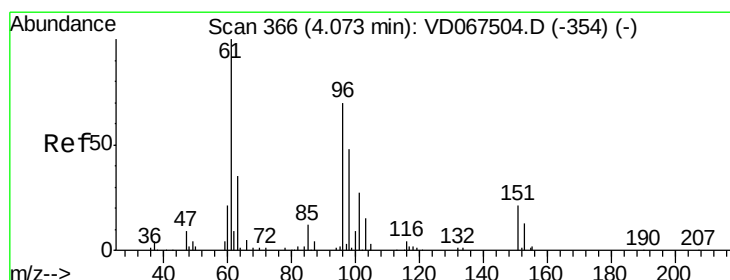
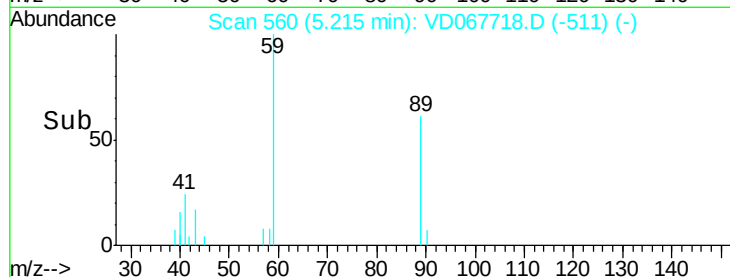
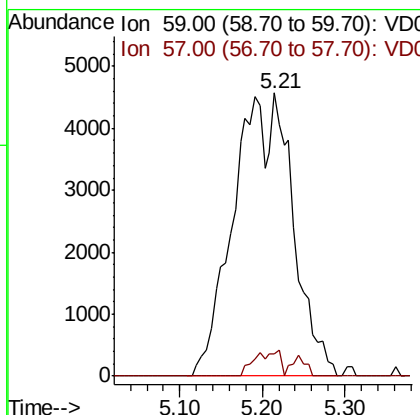
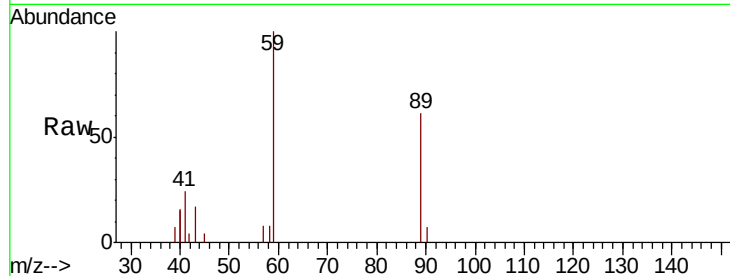
#11
Tert butyl alcohol
Concen: 227.714 ug/l m
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 59 Resp: 22745
Ion Ratio Lower Upper
59 100
57 2.0 5.9 8.9#

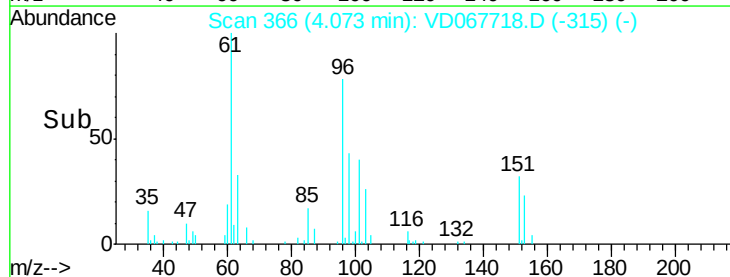
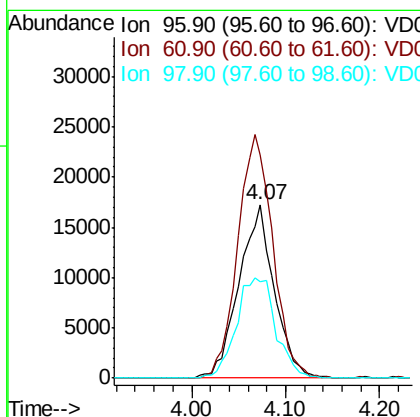
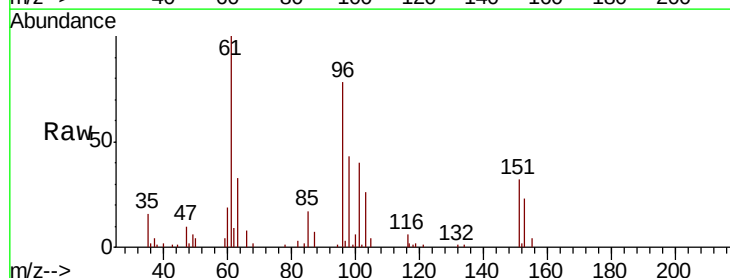
Manual Integrations
APPROVED

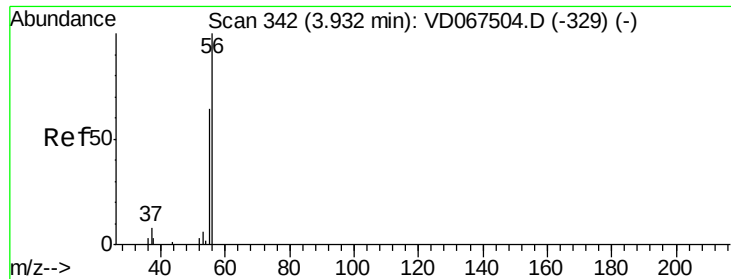
MMDadoda
11/23/2020 1:41:28 PM



#12
1,1-Dichloroethene
Concen: 20.402 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion: 96 Resp: 44785
Ion Ratio Lower Upper
96 100
61 128.8 114.5 171.7
98 55.9 54.5 81.7





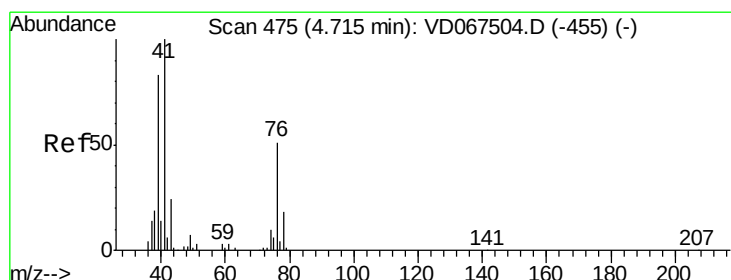
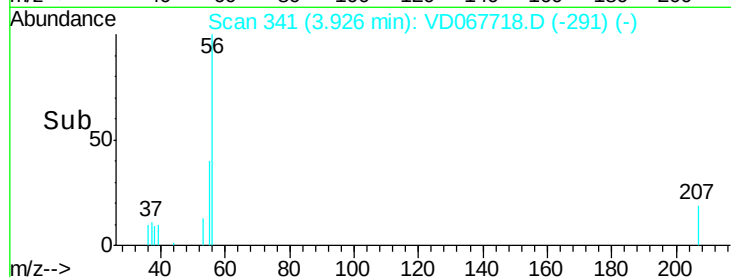
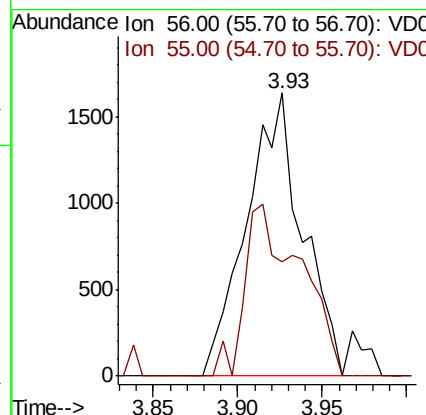
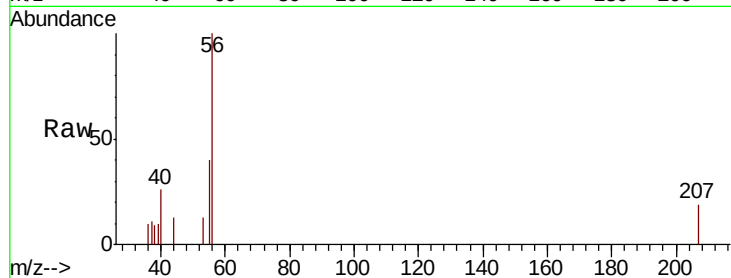
#13
Acrolein
Concen: 61.230 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	60.4	55.8	83.8

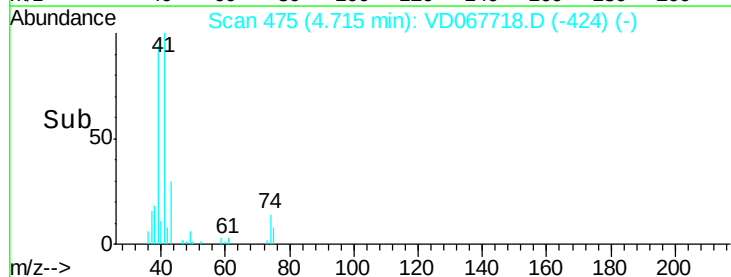
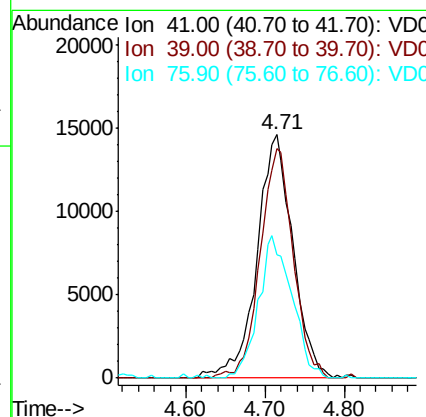
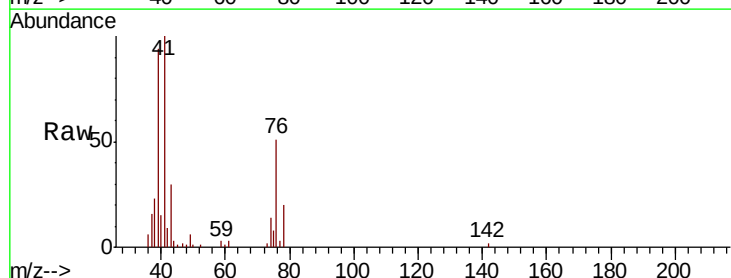
Manual Integrations
APPROVED

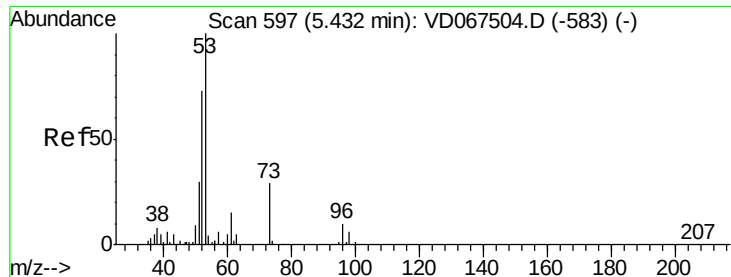
MMDadoda
11/23/2020 1:41:28 PM



#14
Allyl chloride
Concen: 19.646 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	86.6	67.4	101.0
76	54.6	42.2	63.2





#15

Acrylonitrile

Concen: 103.791 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

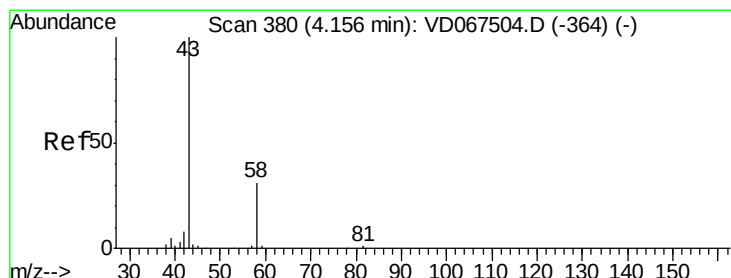
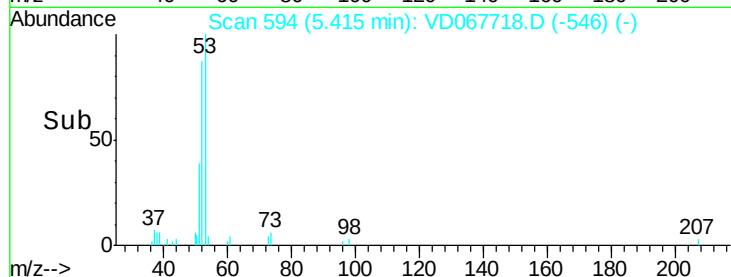
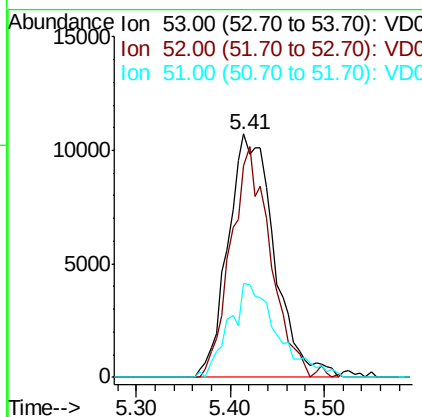
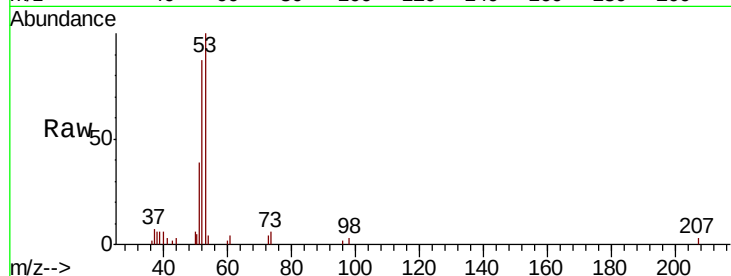
ClientSampleId :

VD1120SBS01

Tot Ion:	53	Resp:	36550
Ion Ratio		Lower	Upper
53	100		
52	80.5	64.8	97.2
51	40.2	29.5	44.3

Manual Integrations
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11/23/2020 1:41:28 PM



#16

Acetone

Concen: 104.197 ug/l

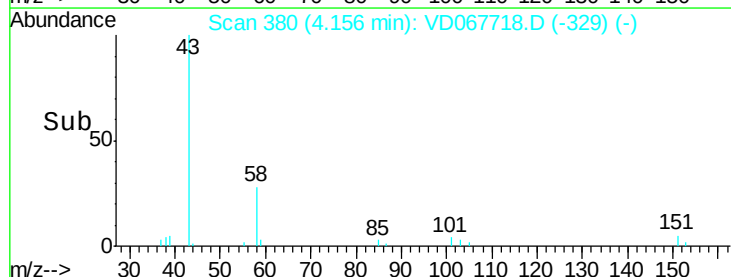
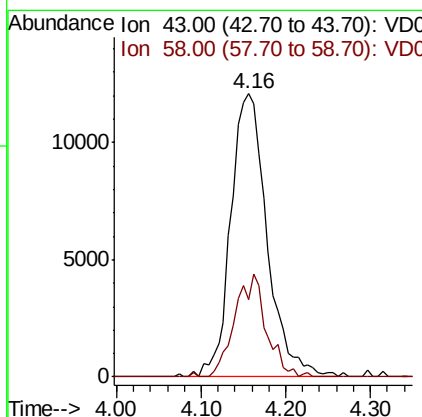
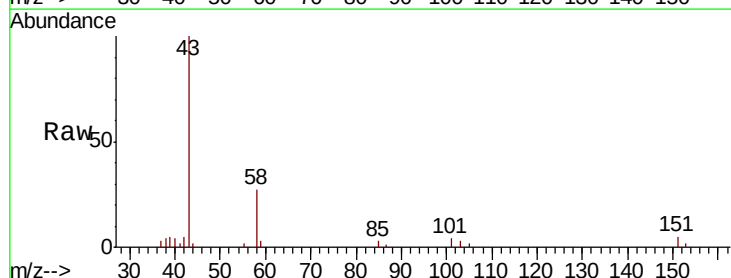
RT: 4.16 min Scan# 380

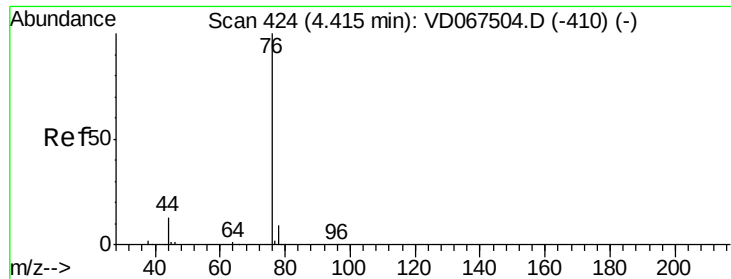
Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Tgt Ion:	43	Resp:	35857
Ion Ratio		Lower	Upper
43	100		
58	27.4	25.2	37.8





#17

Carbon Disulfide

Concen: 18.744 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 76 Resp: 126083

Ion Ratio Lower Upper

76 100

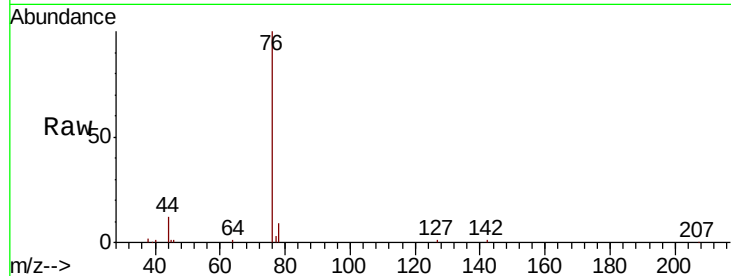
78 8.8 7.2 10.8

Manual Integrations

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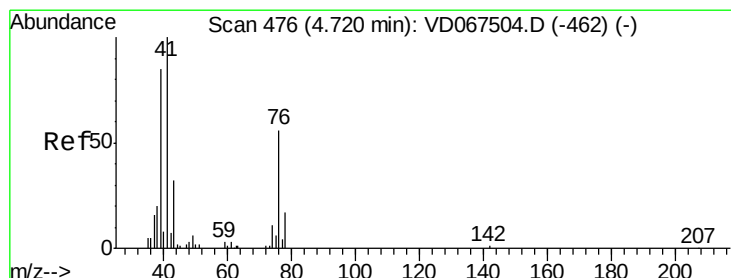
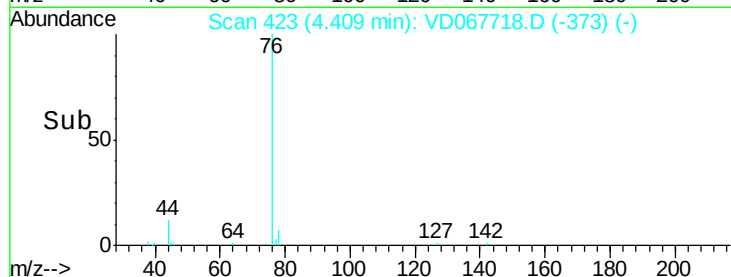
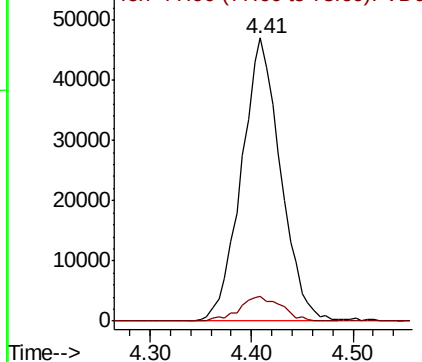
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.743 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067718.D

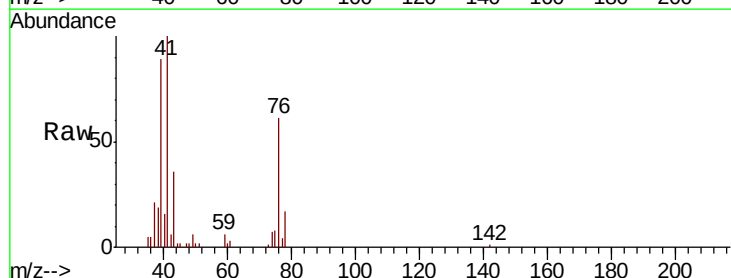
Acq: 20 Nov 2020 12:14

Tgt Ion: 43 Resp: 15462

Ion Ratio Lower Upper

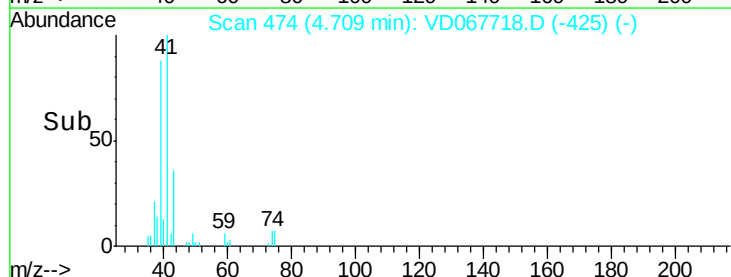
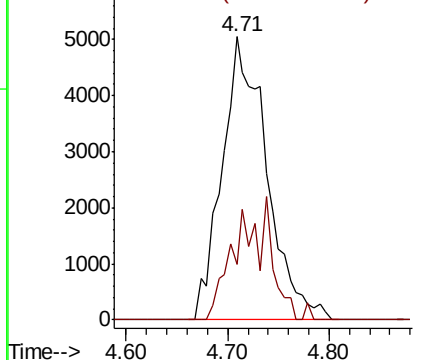
43 100

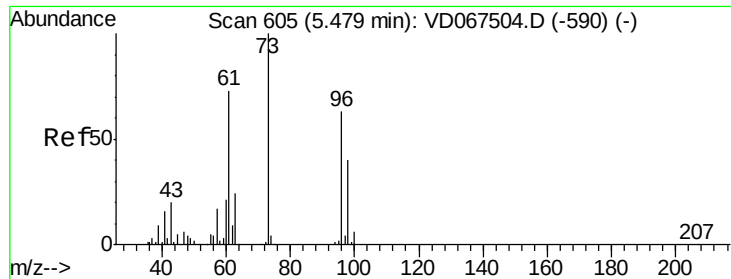
74 22.9 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





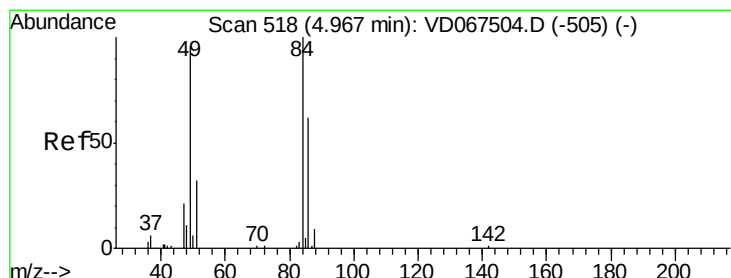
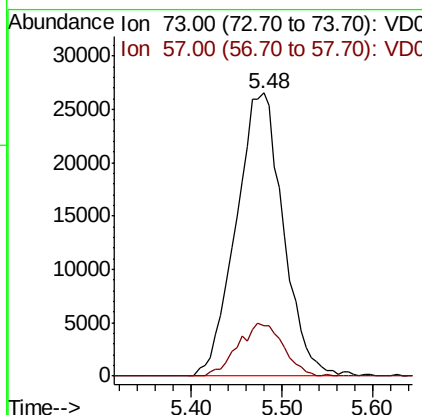
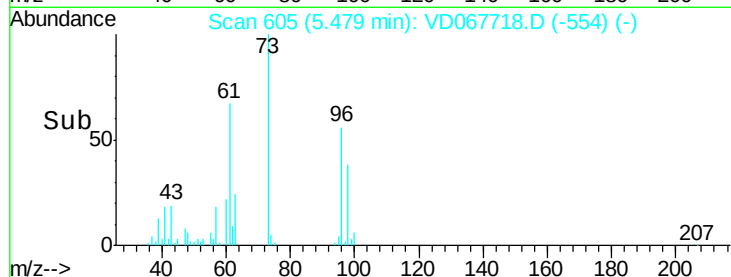
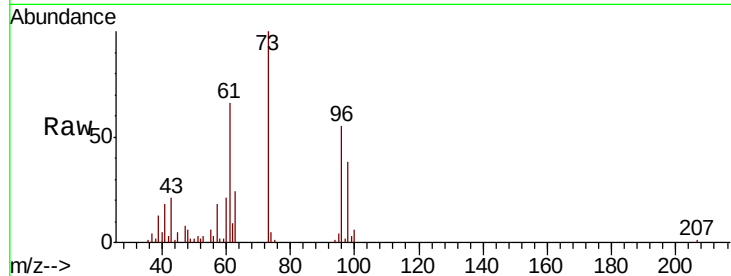
#19
Methyl tert-butyl Ether
Concen: 22.076 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 73 Resp: 95588
Ion Ratio Lower Upper
73 100
57 18.0 13.4 20.0

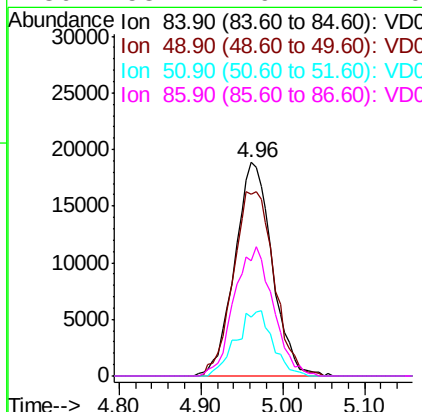
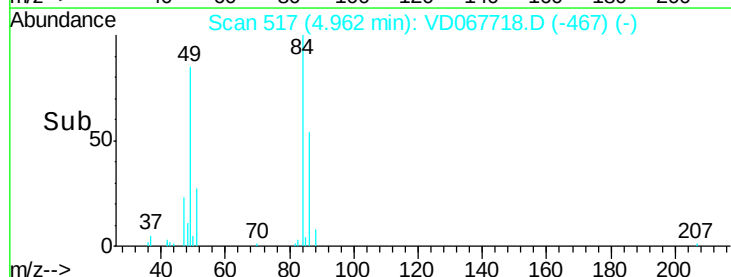
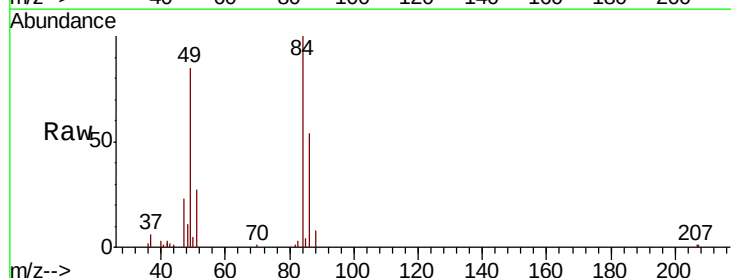
Manual Integrations
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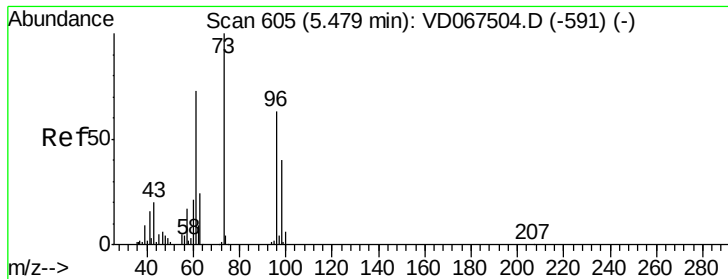
MMDadoda
11/23/2020 1:41:28 PM



#20
Methylene Chloride
Concen: 24.680 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion: 84 Resp: 59994
Ion Ratio Lower Upper
84 100
49 85.0 77.0 115.4
51 27.5 25.4 38.2
86 53.7 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 21.261 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

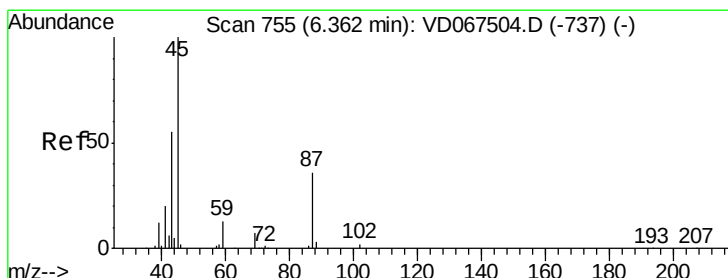
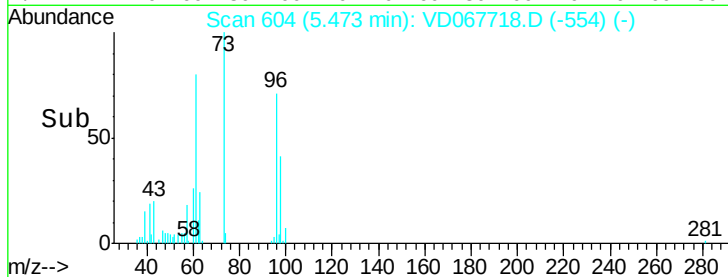
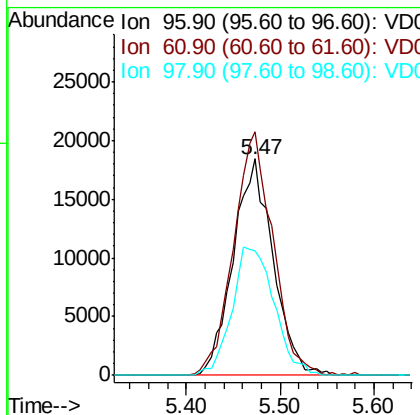
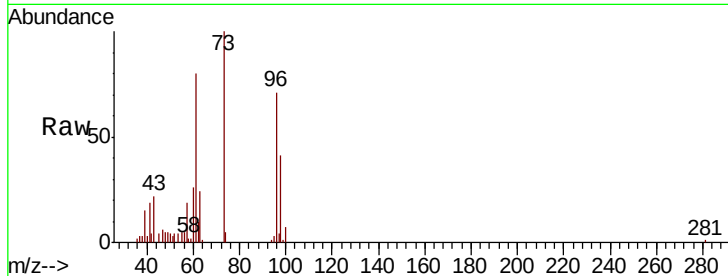
ClientSampleId :

VD1120SBS01

Tot Ion:	96	Resp:	54358
Ion	Ratio	Lower	Upper
96	100		
61	112.6	93.0	139.6
98	57.4	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.752 ug/l

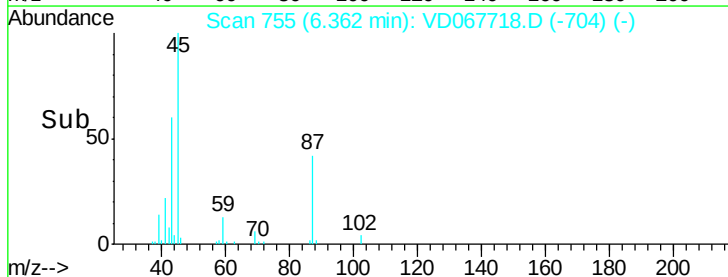
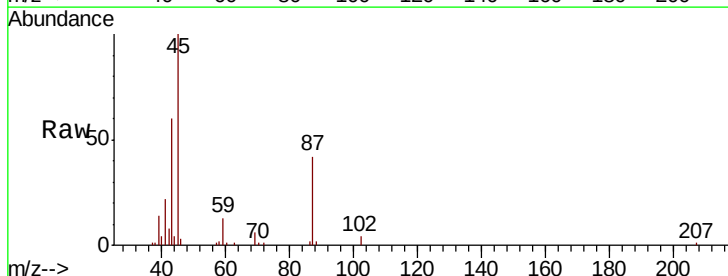
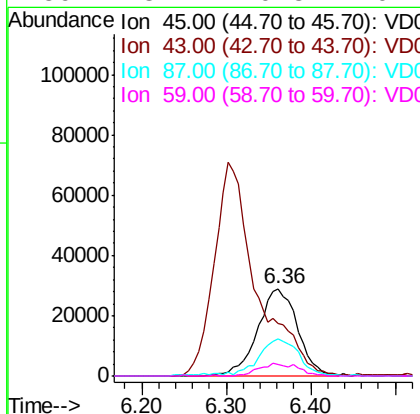
RT: 6.36 min Scan# 755

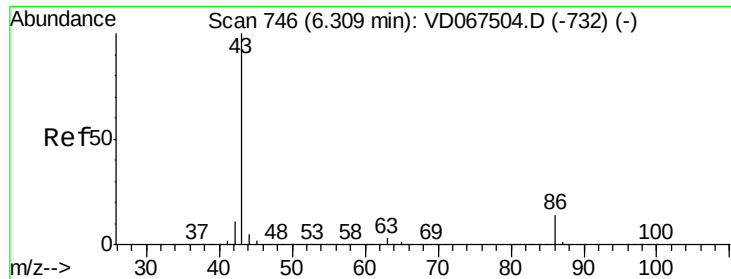
Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Tgt Ion:	45	Resp:	95005
Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.2	69.4
87	41.4	29.4	44.2
59	13.2	10.8	16.2





#23

Vinyl Acetate

Concen: 103.388 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 43 Resp: 247766

Ion Ratio Lower Upper

43 100

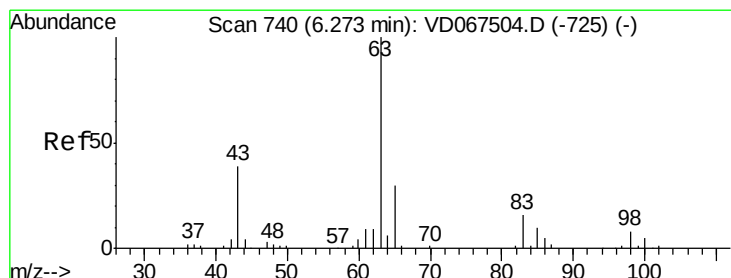
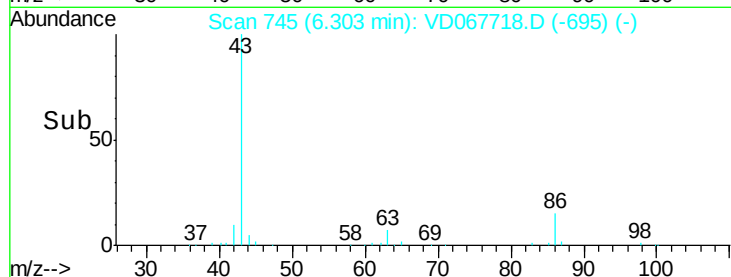
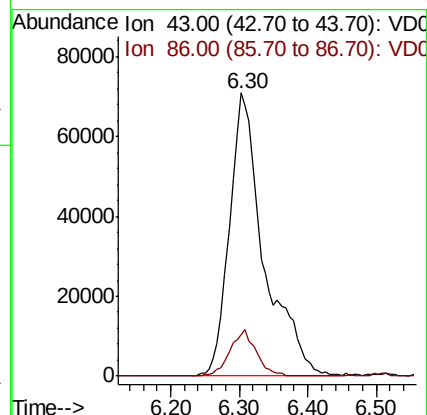
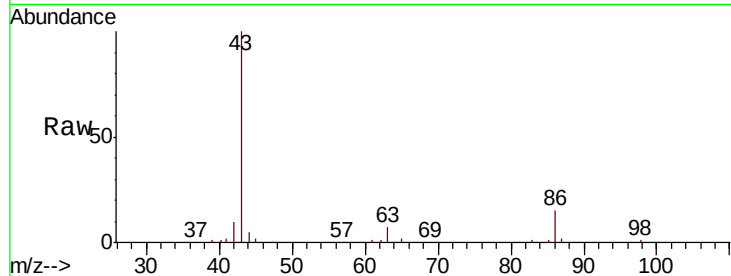
86 14.8 11.6 17.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.472 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

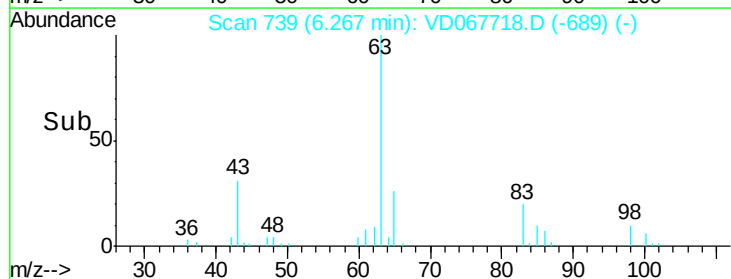
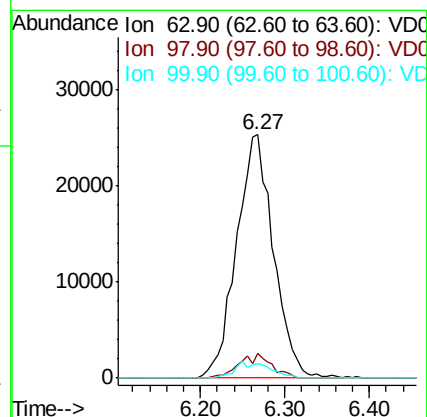
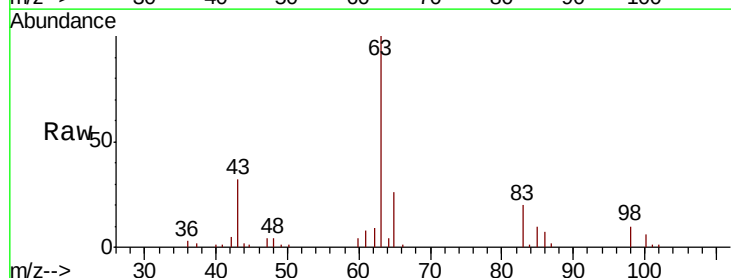
Tgt Ion: 63 Resp: 76675

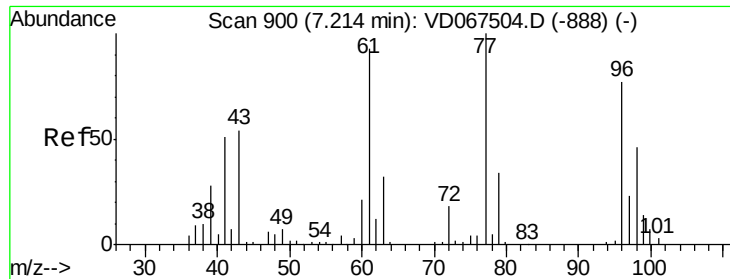
Ion Ratio Lower Upper

63 100

98 10.0 3.9 11.5

100 6.0 2.6 7.8





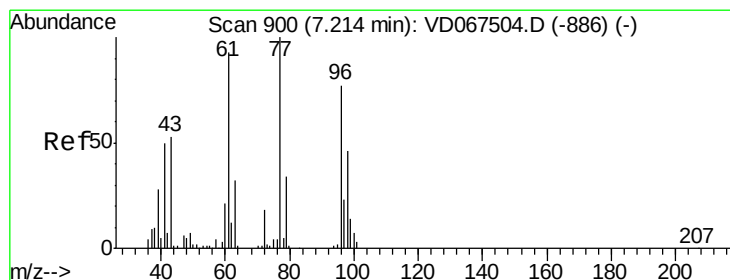
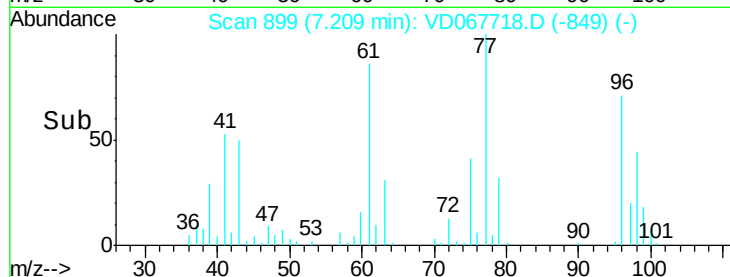
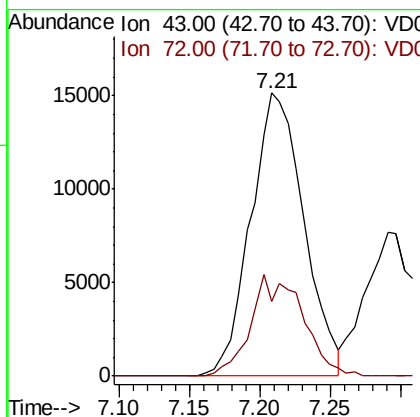
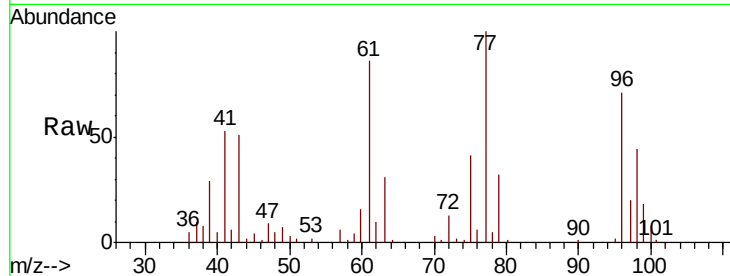
#25
2-Butanone
Concen: 108.569 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 43 Resp: 39922
Ion Ratio Lower Upper
43 100
72 26.3 26.4 39.6#

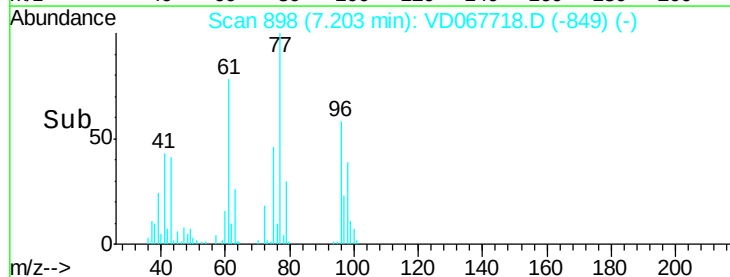
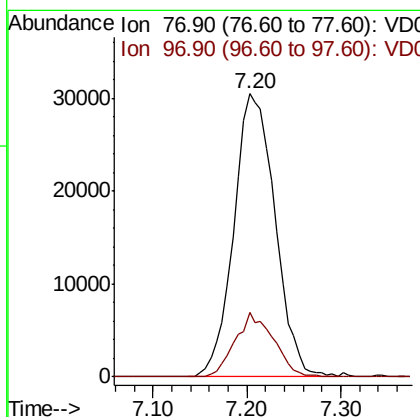
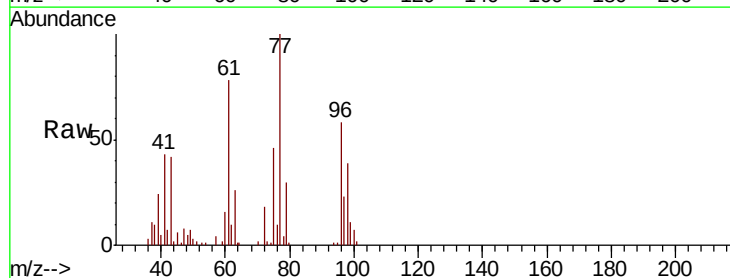
Manual Integrations
APPROVED

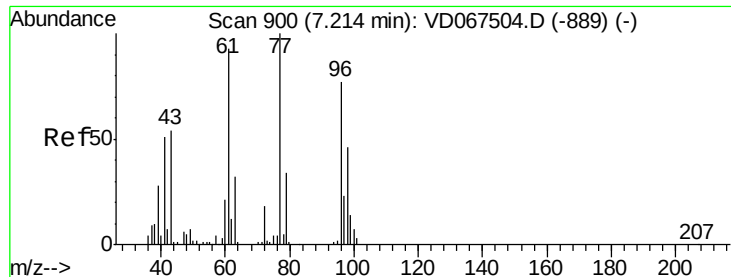
MMDadoda
11/23/2020 1:41:28 PM



#26
2,2-Dichloropropane
Concen: 23.449 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion: 77 Resp: 92691
Ion Ratio Lower Upper
77 100
97 21.2 11.1 33.3





#27

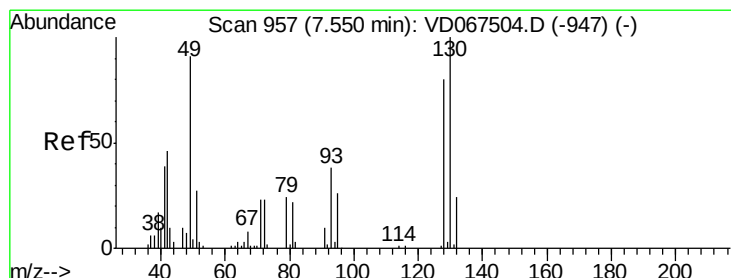
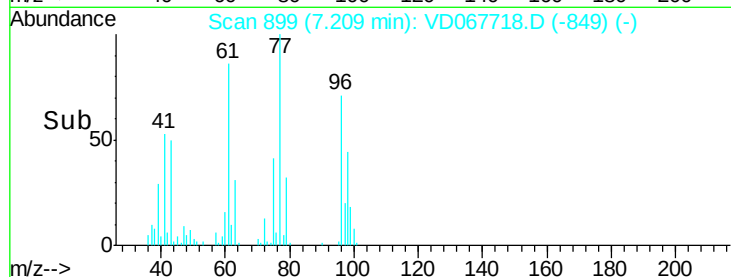
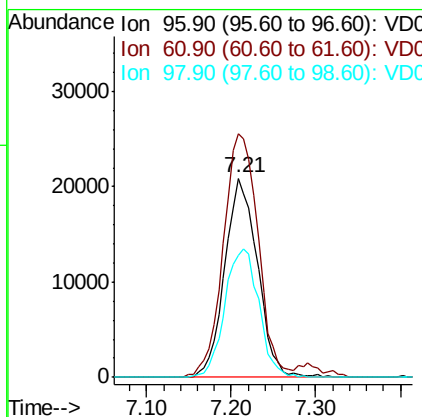
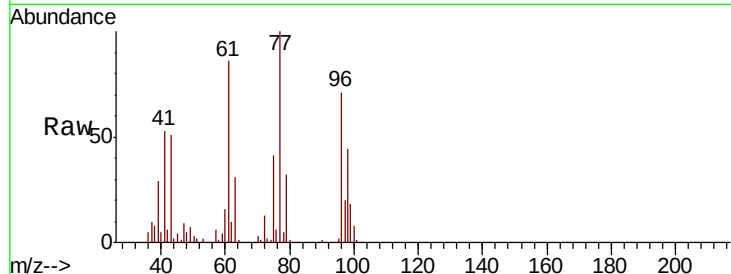
cis-1,2-Dichloroethene
Concen: 21.105 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.5	0.0	251.6	
98	66.5	0.0	128.0	

Manual Integrations
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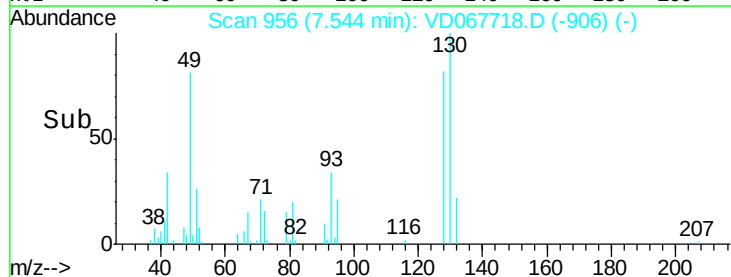
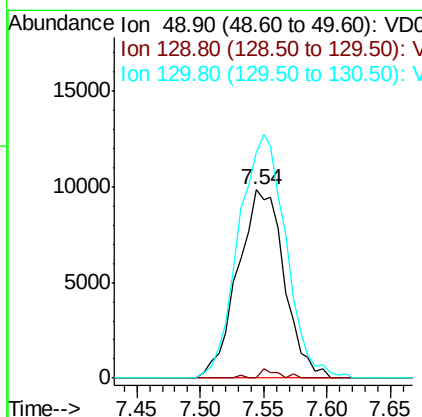
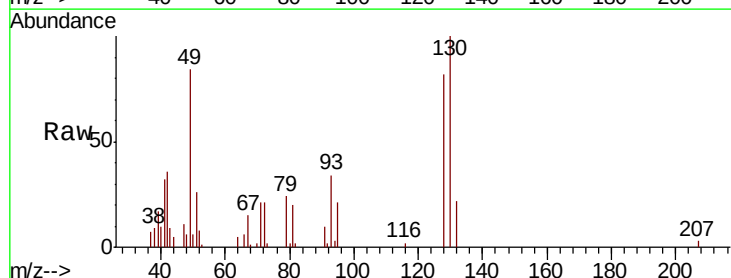
MMDadoda
11/23/2020 1:41:28 PM

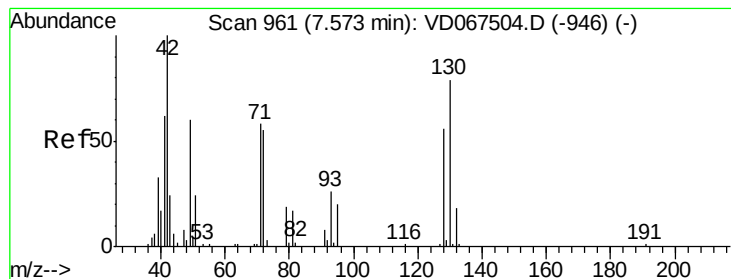


#28

Bromochloromethane
Concen: 18.792 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	6.4	
130	131.9	94.6	142.0	





#29

Tetrahydrofuran

Concen: 99.424 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

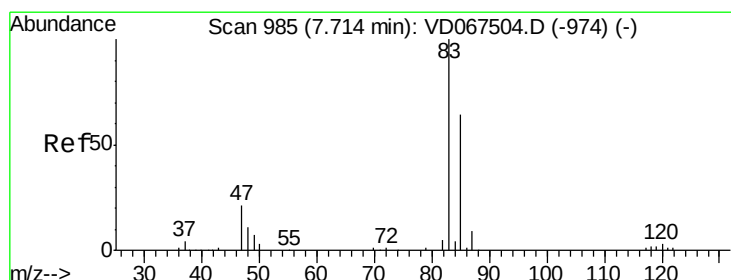
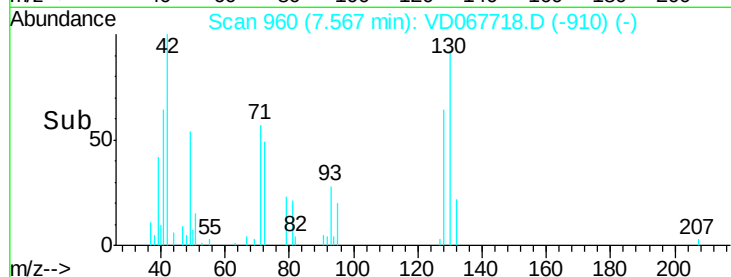
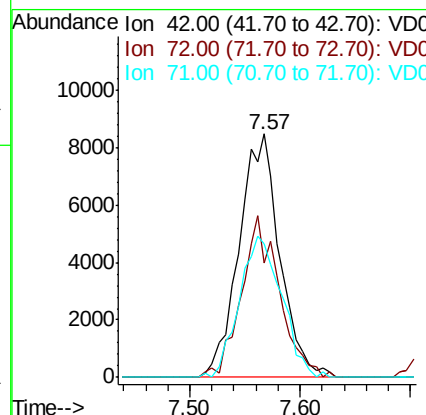
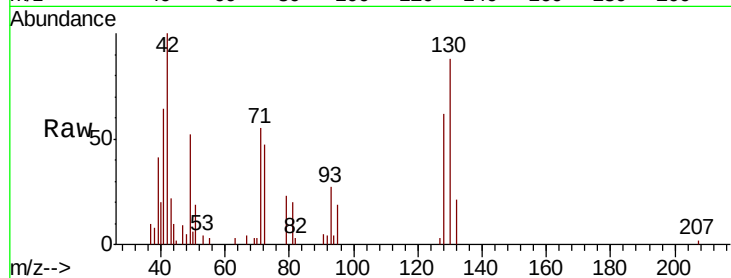
ClientSampleId :

VD1120SBS01

Tot Ion:	42	Resp:	21899
Ion	Ratio	Lower	Upper
42	100		
72	61.8	46.3	69.5
71	60.3	44.0	66.0

Manual Integrations
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#30

Chloroform

Concen: 22.527 ug/l

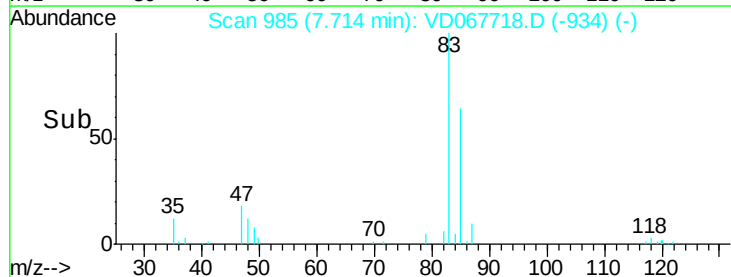
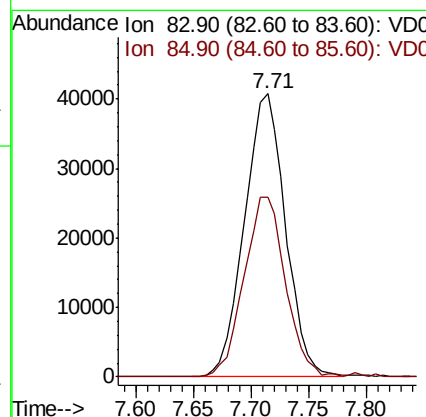
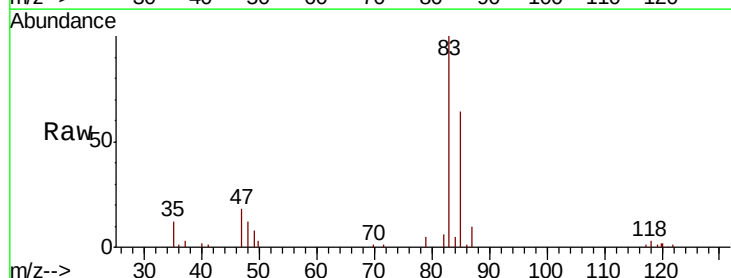
RT: 7.71 min Scan# 985

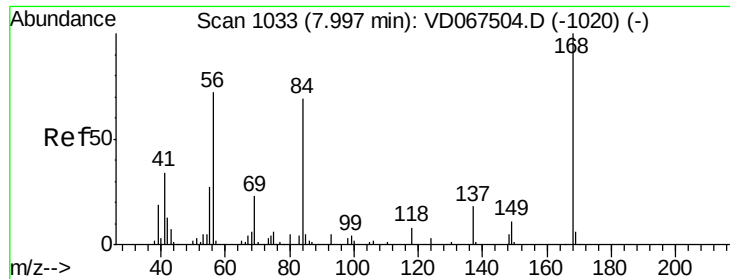
Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Tgt Ion:	83	Resp:	100658
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3





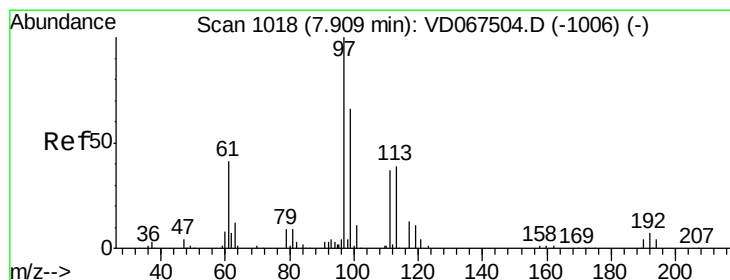
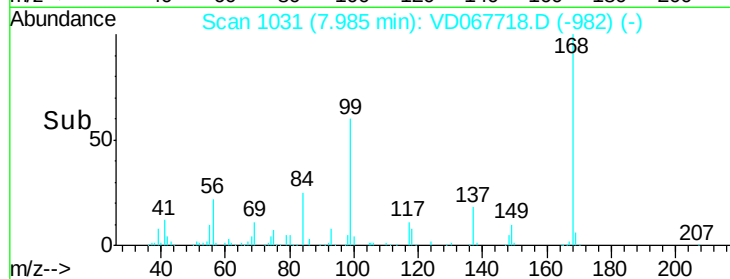
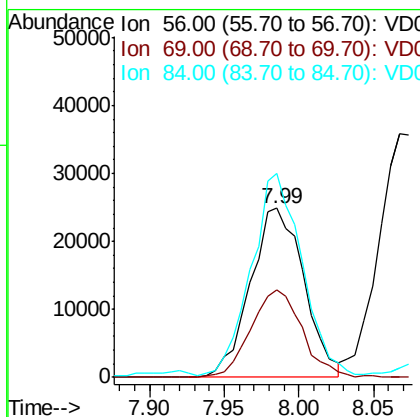
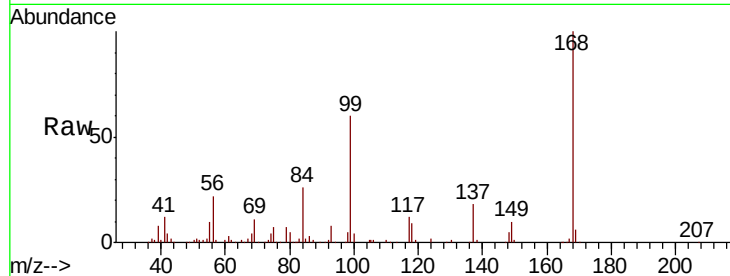
#31
Cyclohexane
Concen: 18.646 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	56	69	84
Resp	62191		
Ion Ratio	100	51.5	118.1
Lower		25.9	76.2
Upper		38.9#	114.4#

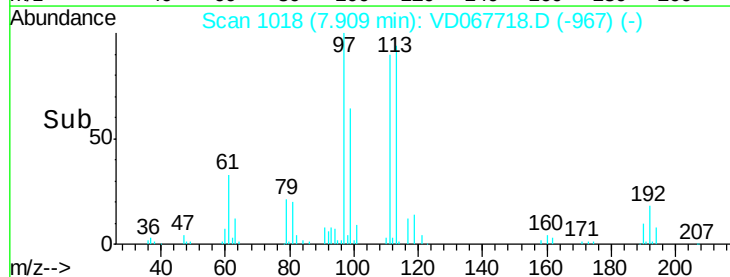
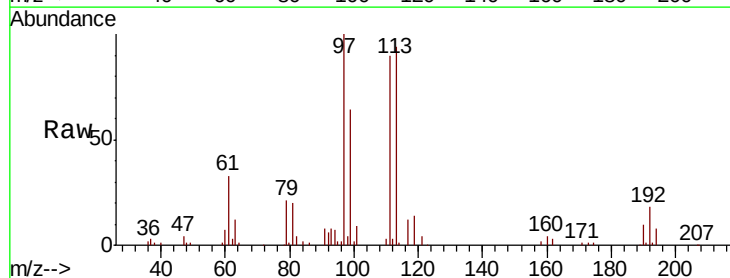
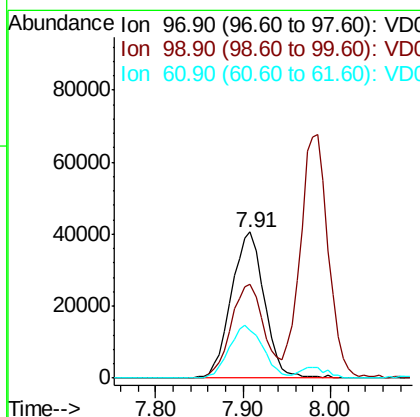
Manual Integrations
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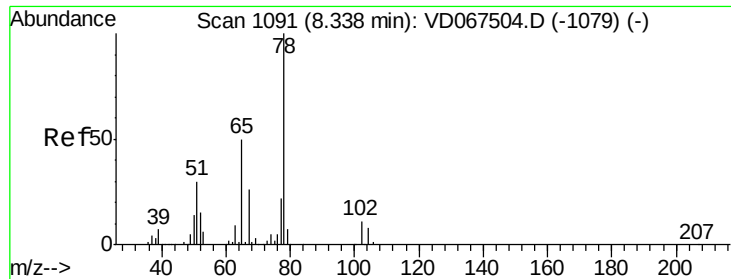
MMDadoda
11/23/2020 1:41:28 PM



#32
1,1,1-Trichloroethane
Concen: 22.546 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	97	99	61
Resp	103942		
Ion Ratio	100	64.8	37.1
Lower		51.8	30.5
Upper		77.6	45.7





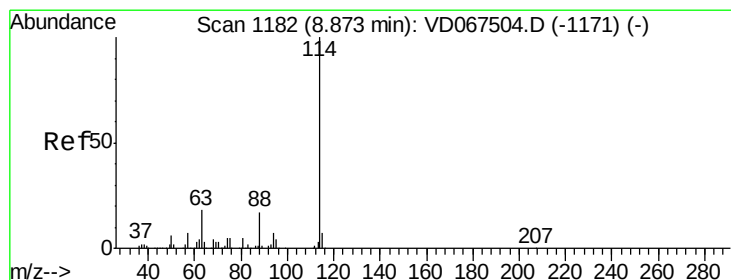
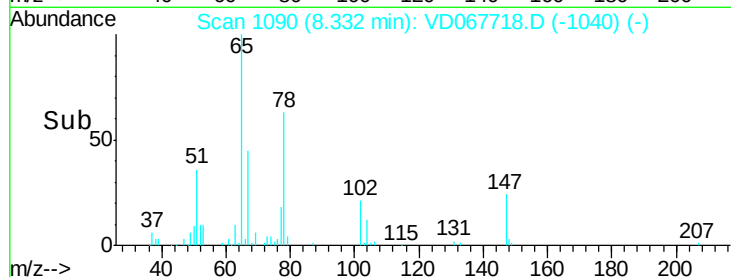
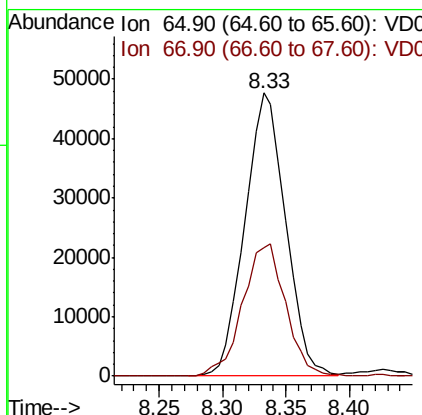
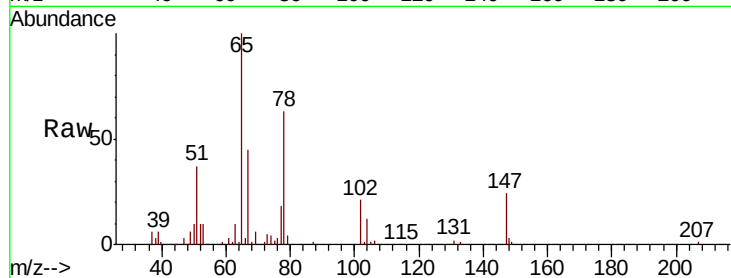
#33
 1,2-Dichloroethane-d4
 Concen: 46.455 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106830		
67	49.1	0.0	99.4	

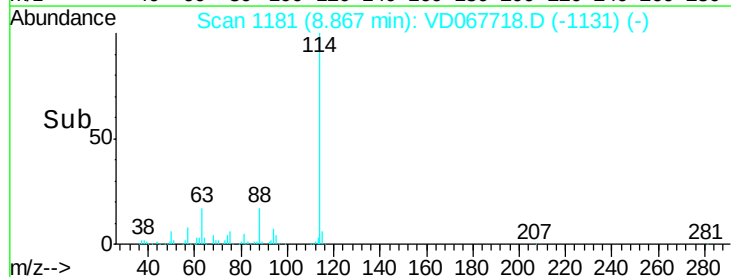
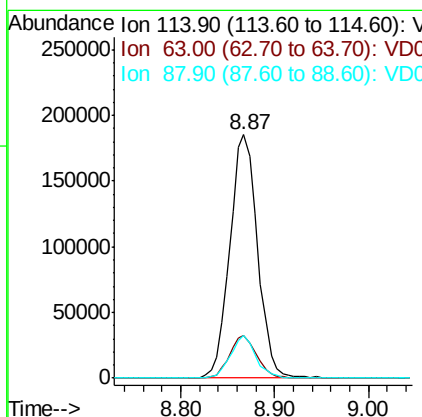
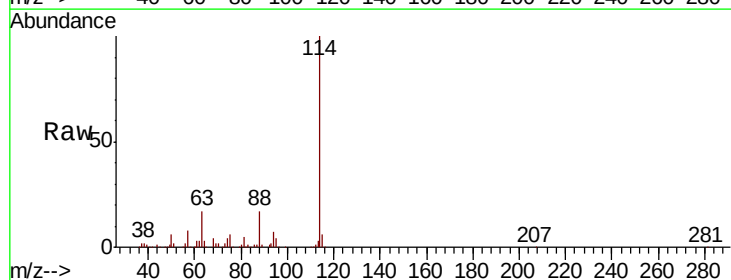
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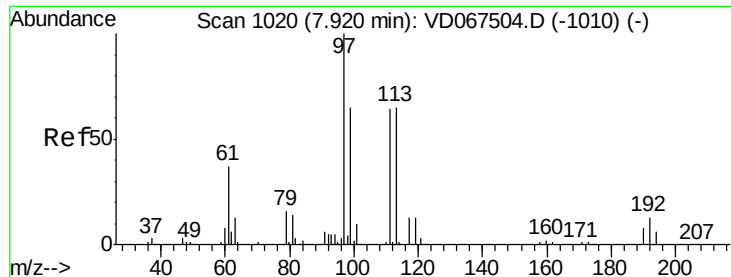
MMDadoda
 11/23/2020 1:41:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	379056		
63	17.3	0.0	35.0	
88	17.4	0.0	33.0	





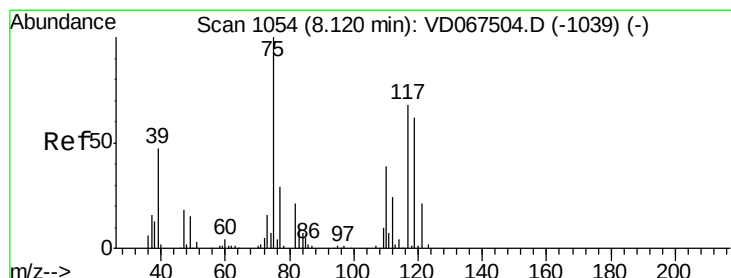
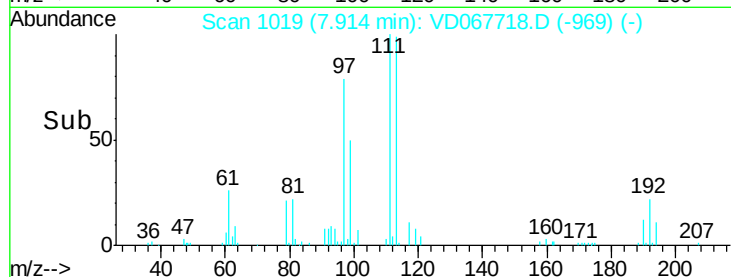
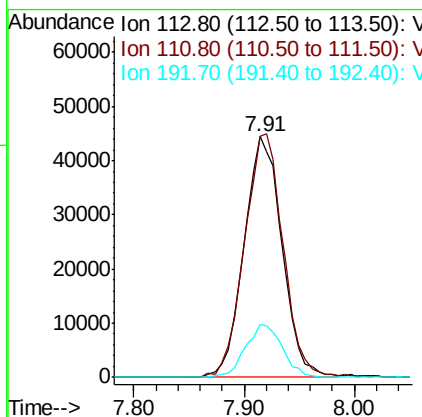
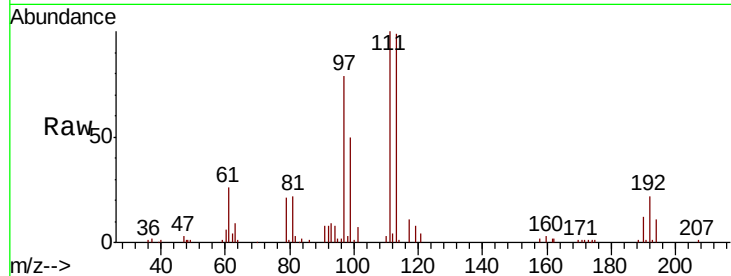
#35
 Dibromofluoromethane
 Concen: 47.001 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107342		
111	103.1	80.0	120.0	
192	21.2	16.3	24.5	

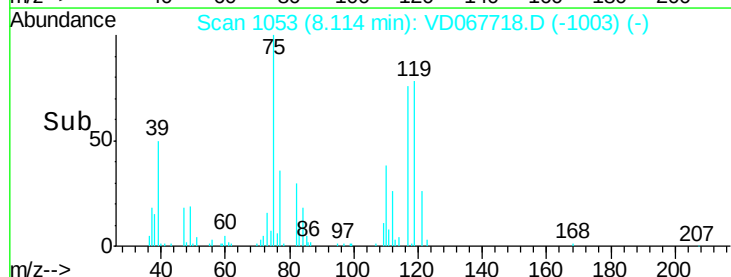
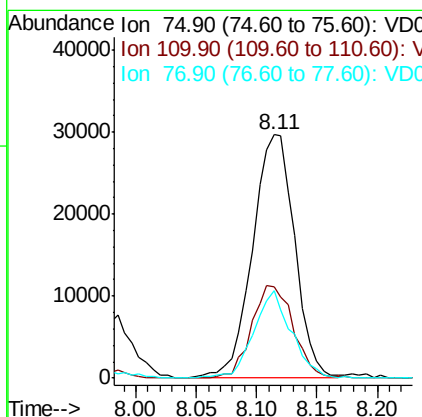
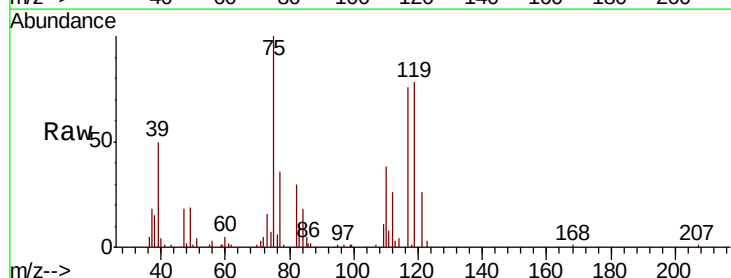
Manual Integrations
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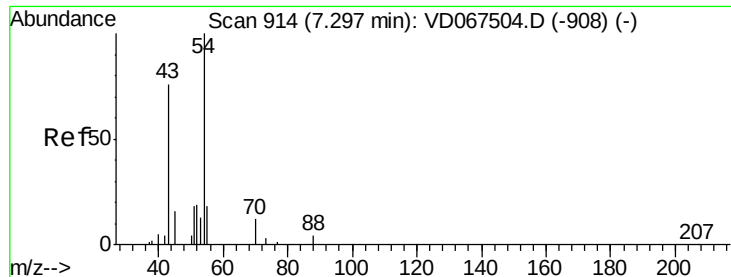
MMDadoda
 11/23/2020 1:41:28 PM



#36
 1,1-Dichloropropene
 Concen: 22.225 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72111		
110	37.6	19.9	59.7	
77	32.4	24.8	37.2	





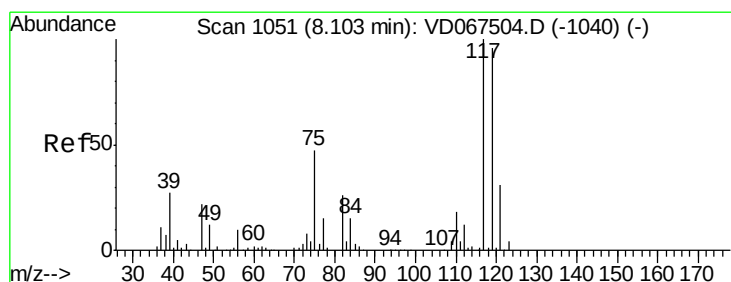
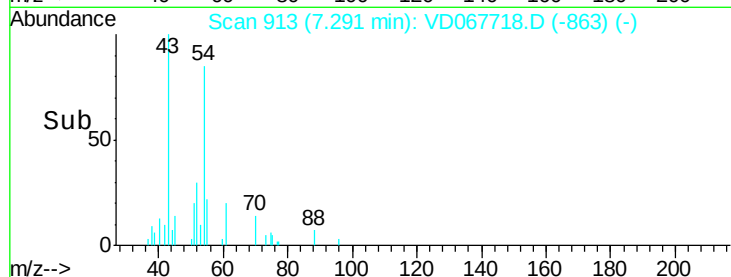
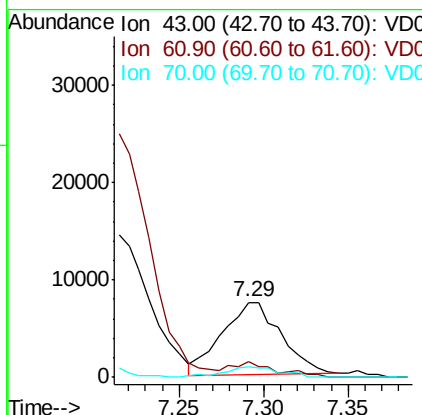
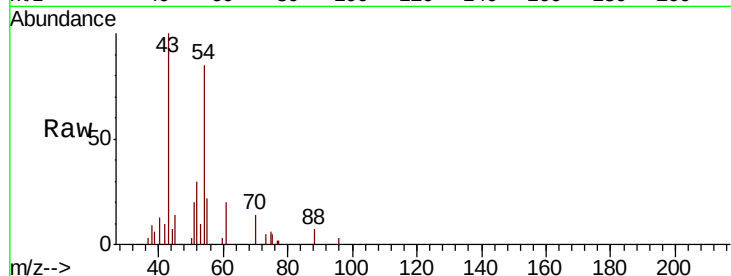
#37
Ethyl Acetate
Concen: 21.254 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.8	19.2
70	13.8	11.7	17.5

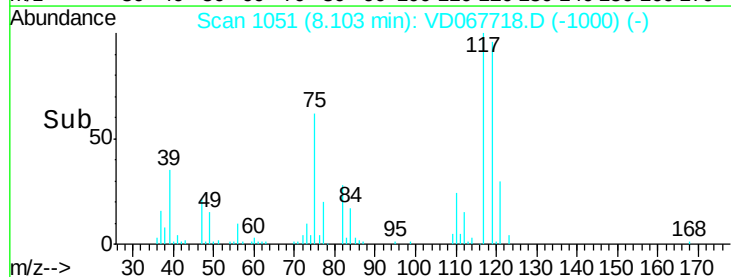
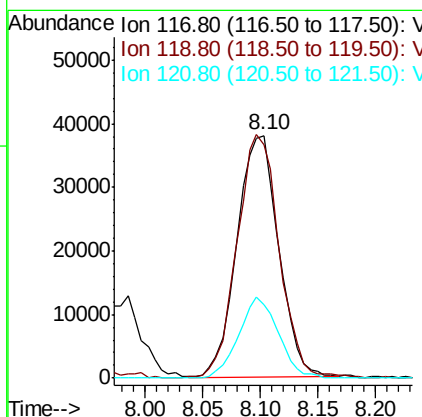
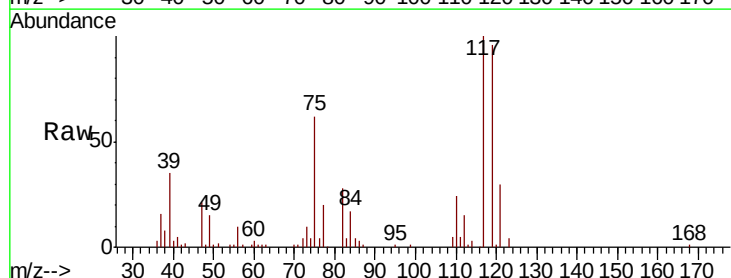
Manual Integrations
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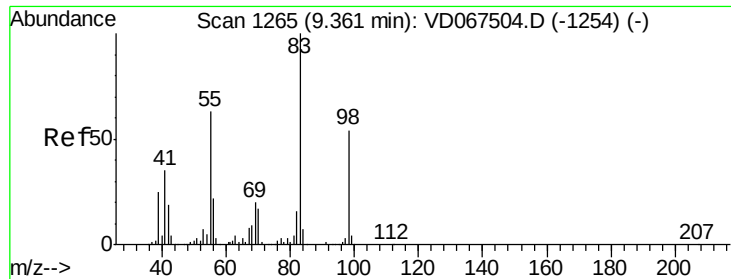
MMDadoda
11/23/2020 1:41:28 PM



#38
Carbon Tetrachloride
Concen: 22.687 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	30.2	24.5	36.7





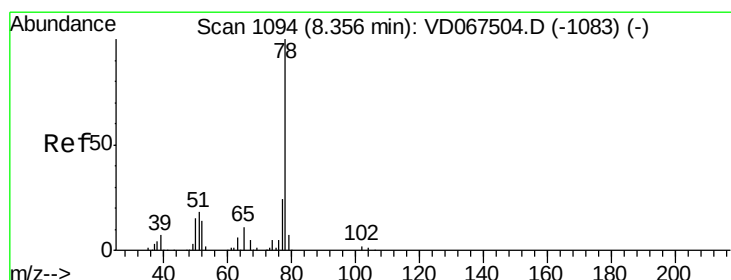
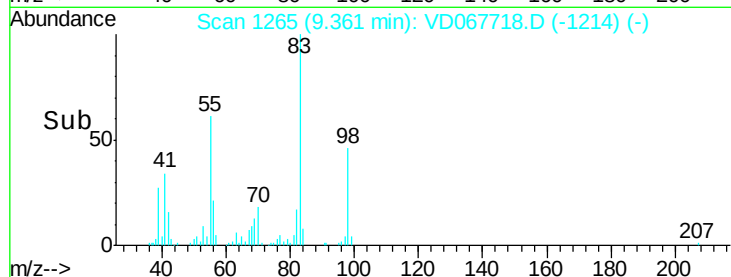
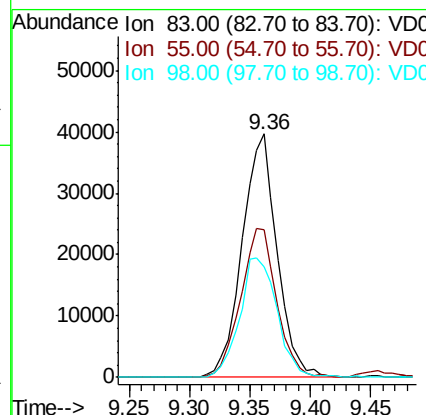
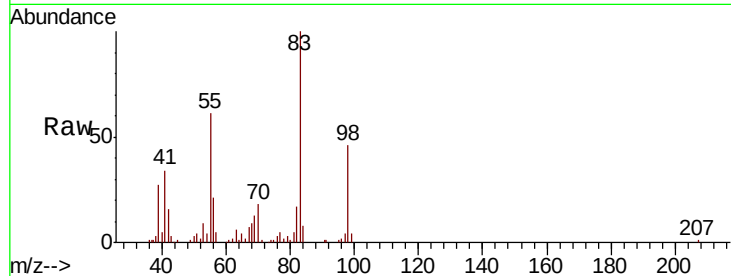
#39
Methylvlcyclohexane
Concen: 20.909 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.6	50.5	75.7
98	45.6	43.4	65.0

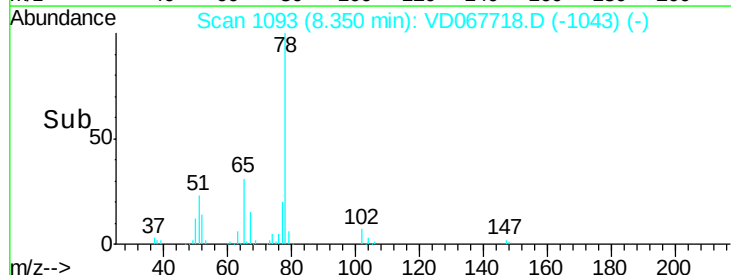
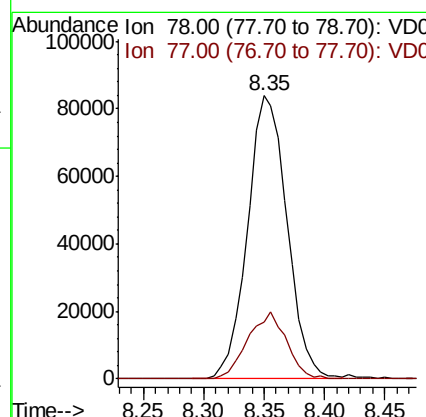
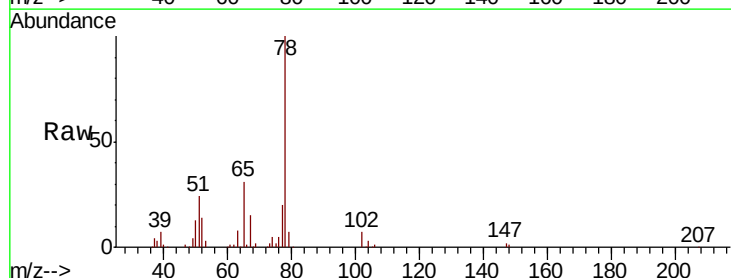
Manual Integrations
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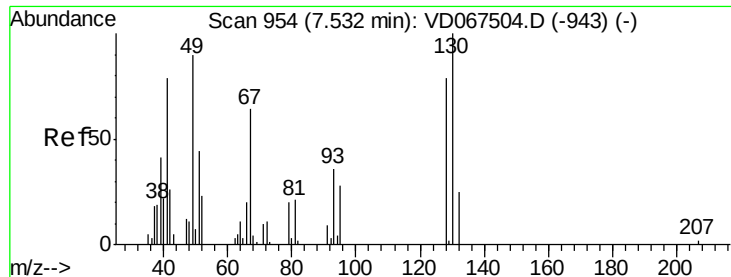
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11/23/2020 1:41:28 PM



#40
Benzene
Concen: 21.800 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.9	19.1	28.7





#41

Methacrylonitrile

Concen: 23.981 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 41 Resp: 12075

Ion Ratio Lower Upper

41 100

39 61.9 51.3 76.9

67 90.5 78.9 118.3

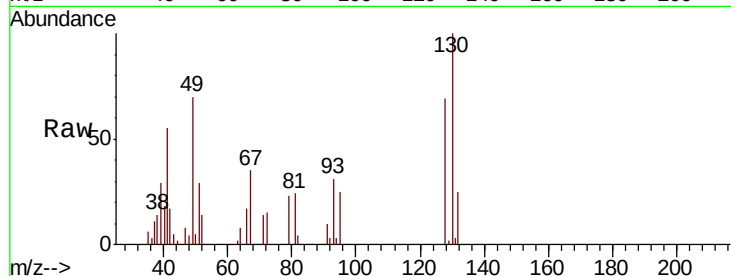
52 34.4 31.4 47.2

Manual Integrations

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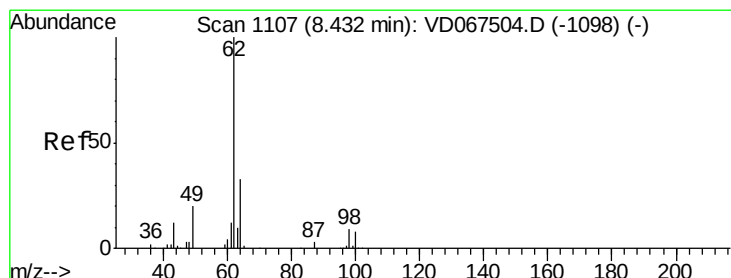
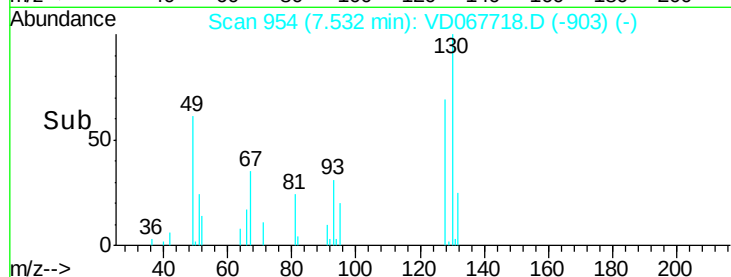
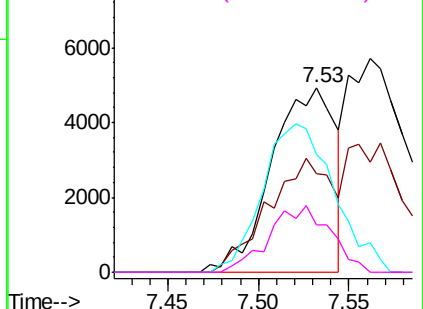


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.194 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD067718.D

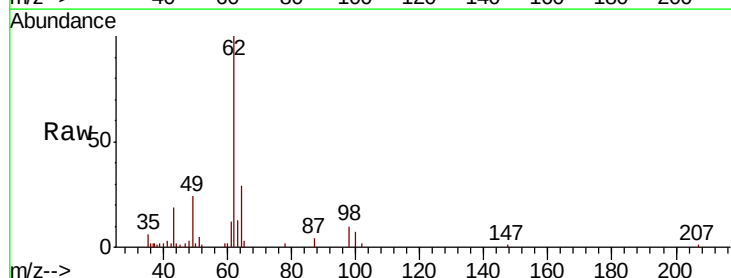
Acq: 20 Nov 2020 12:14

Tgt Ion: 62 Resp: 62985

Ion Ratio Lower Upper

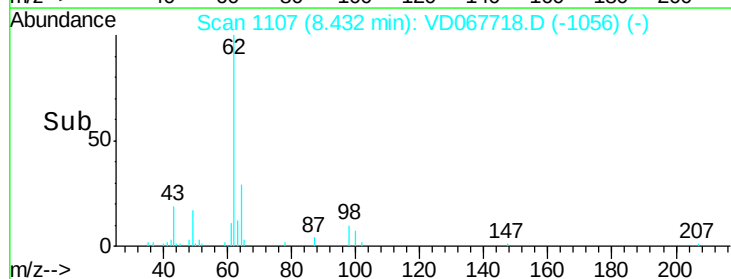
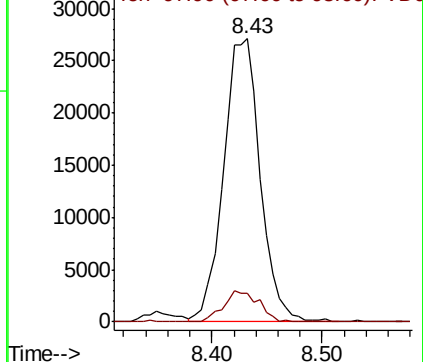
62 100

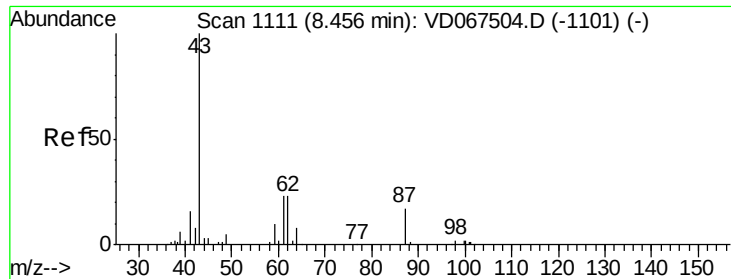
98 10.6 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.477 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

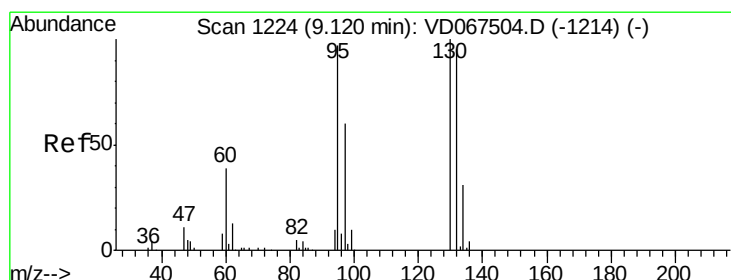
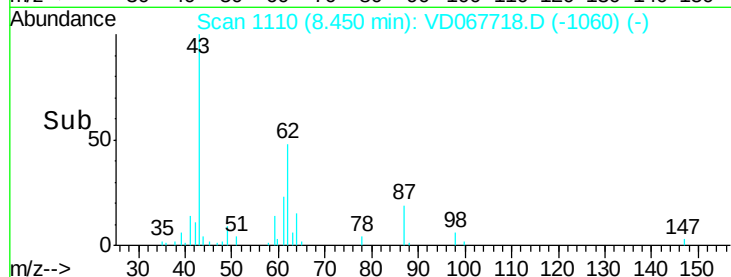
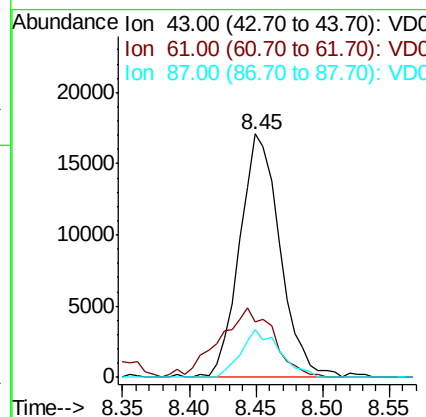
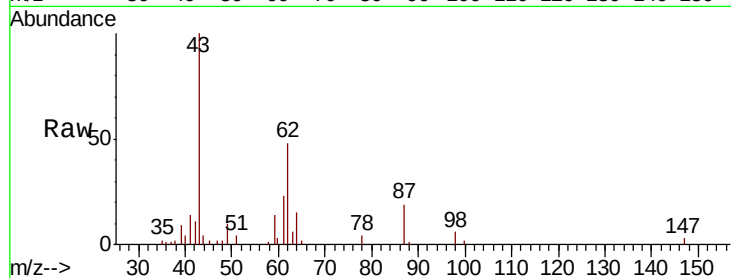
ClientSampleId :

VD1120SBS01

Tot Ion:	43	Resp:	35780
Ion Ratio	Lower	Upper	
43	100		
61	38.7	30.5	45.7
87	18.8	14.7	22.1

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#44

Trichloroethene

Concen: 21.916 ug/l

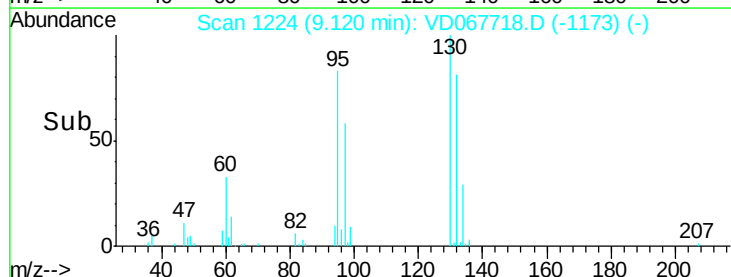
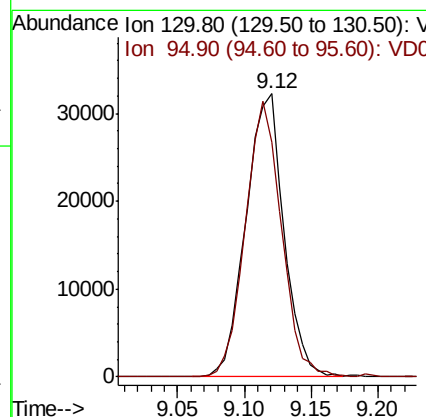
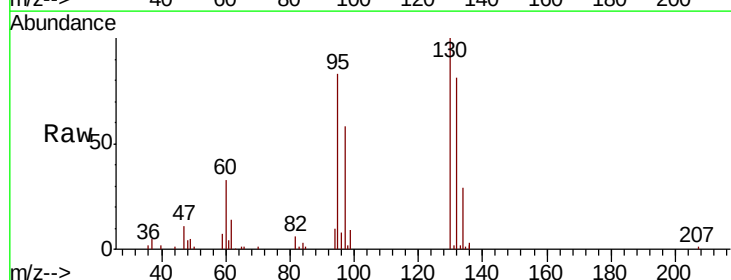
RT: 9.12 min Scan# 1224

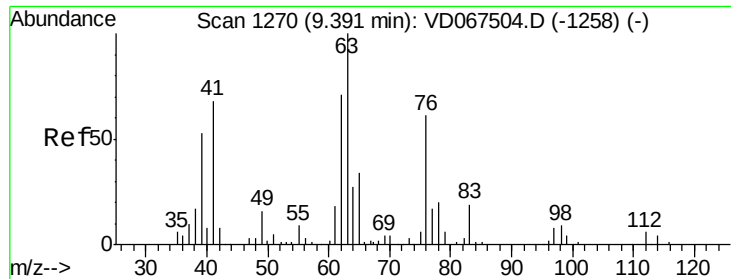
Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Tgt Ion:	130	Resp:	63335
Ion Ratio	Lower	Upper	
130	100		
95	82.8	0.0	194.4





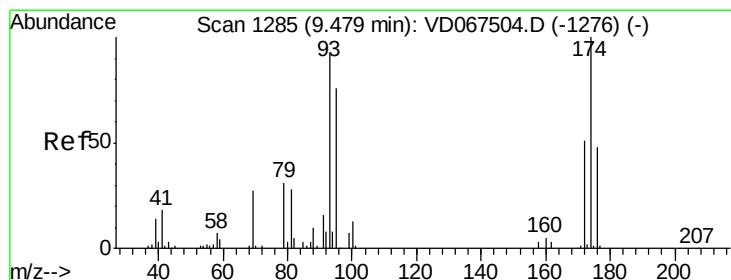
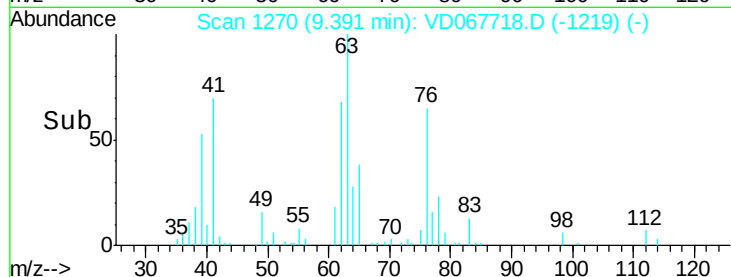
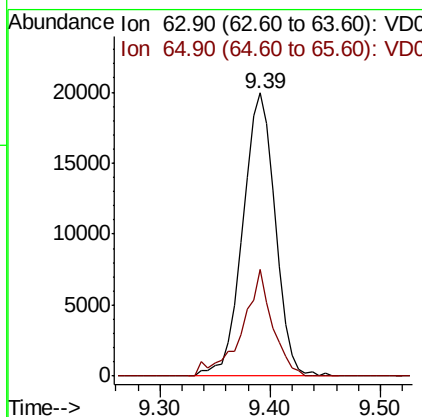
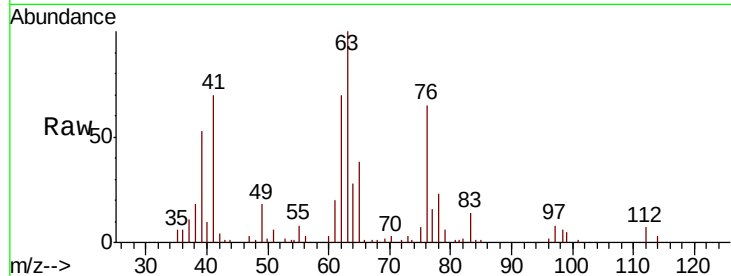
#45
 1,2-Dichloropropane
 Concen: 21.655 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion: 63 Resp: 41149
 Ion Ratio Lower Upper
 63 100
 65 37.8 26.9 40.3

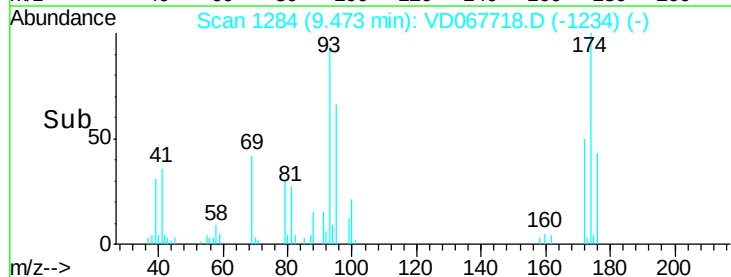
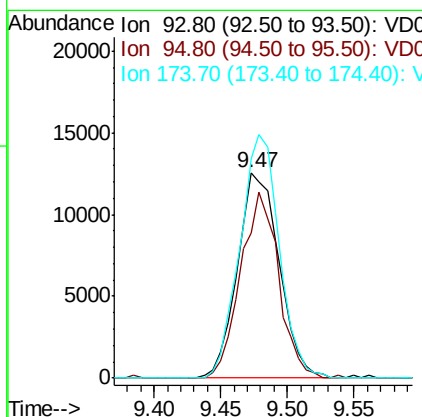
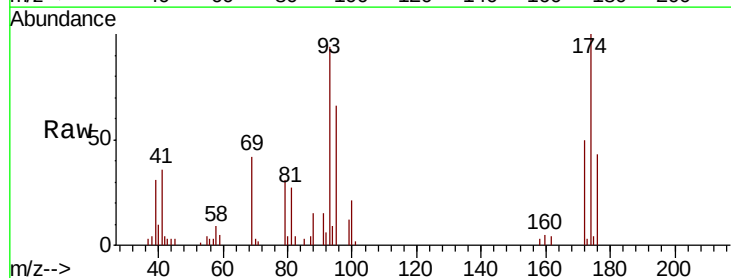
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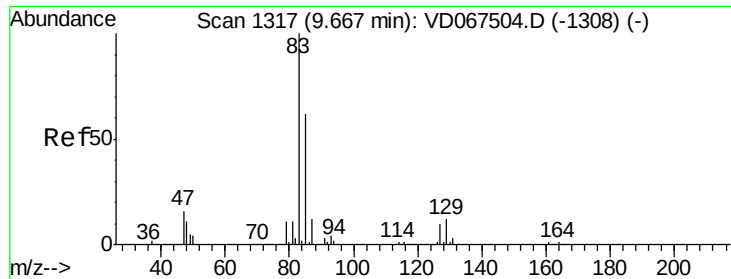
MMDadoda
 11/23/2020 1:41:28 PM



#46
 Dibromomethane
 Concen: 22.511 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion: 93 Resp: 27198
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.4 99.6
 174 111.4 88.2 132.4





#47

Bromodichloromethane

Concen: 22.940 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

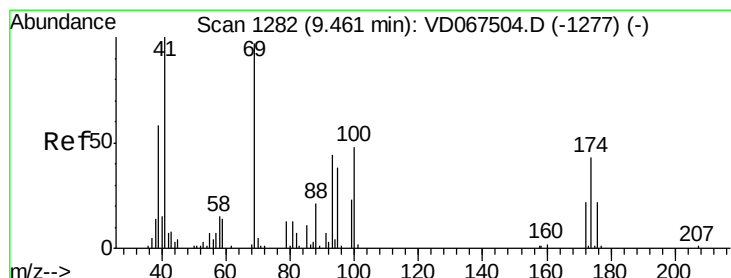
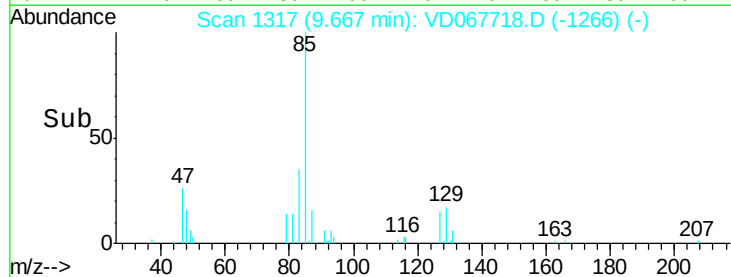
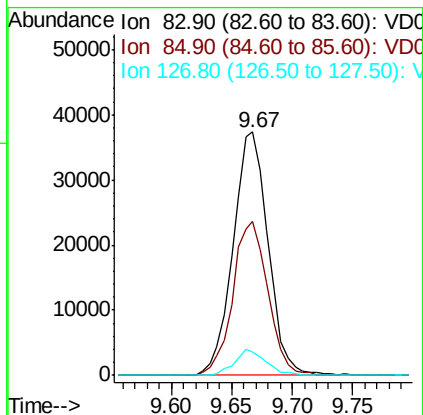
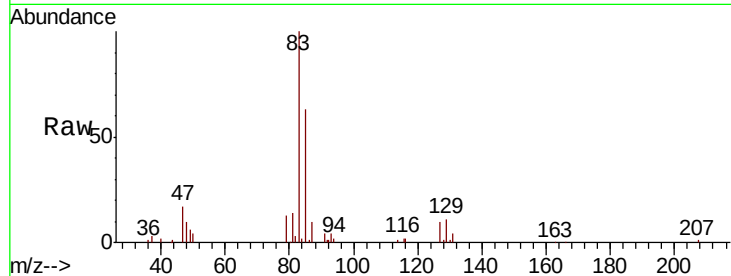
ClientSampleId :

VD1120SBS01

Tot Ion:	83	Resp:	75334
Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.4	74.2
127	9.6	7.7	11.5

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11/23/2020 1:41:28 PM



#48

Methyl methacrylate

Concen: 20.482 ug/l

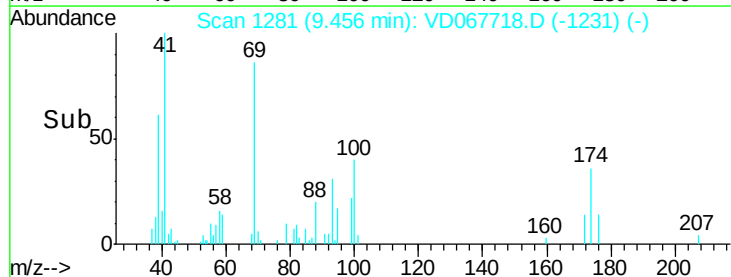
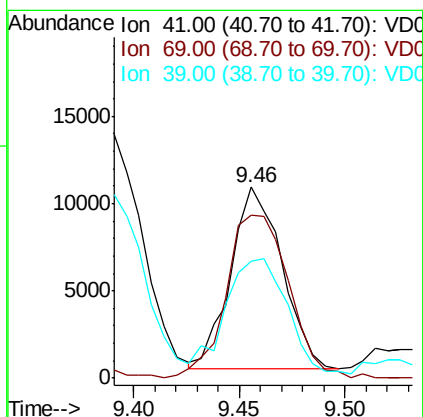
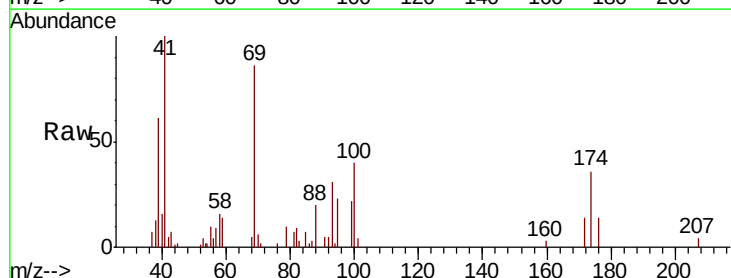
RT: 9.46 min Scan# 1281

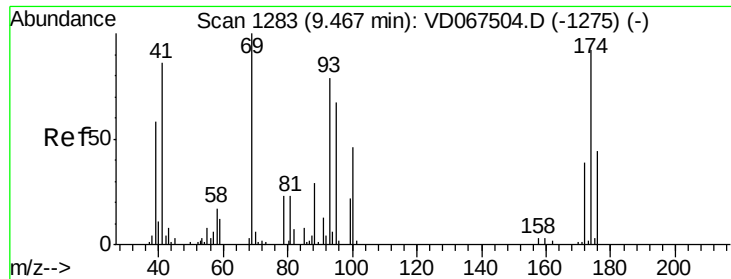
Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Tgt Ion:	41	Resp:	17618
Ion	Ratio	Lower	Upper
41	100		
69	109.7	80.6	121.0
39	74.4	50.2	75.4





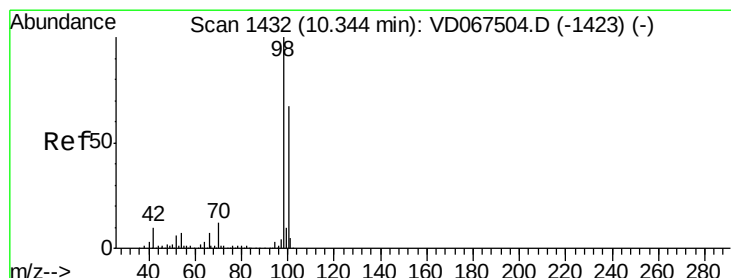
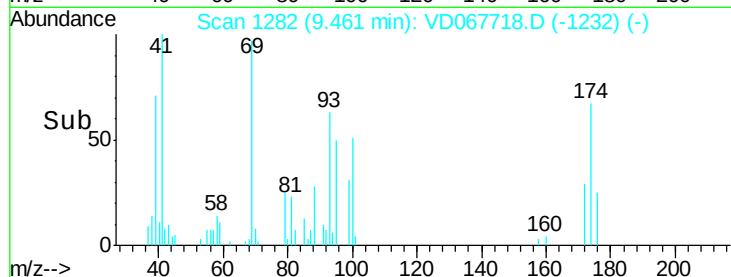
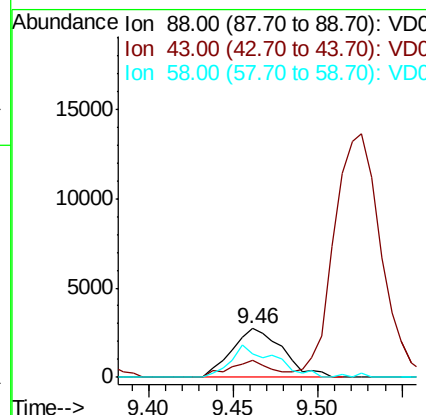
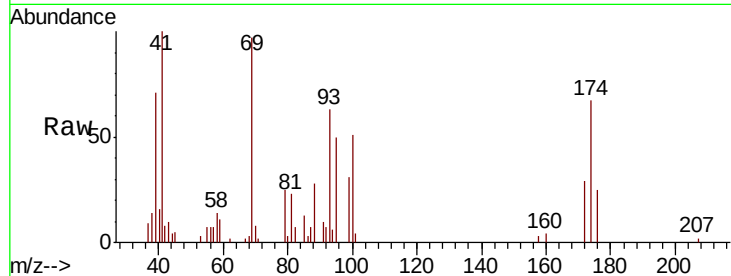
#49
1,4-Dioxane
Concen: 463.900 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	88	Resp	5690
Ion	Ratio	Lower	Upper
88	100		
43	27.3	23.6	35.4
58	57.2	44.7	67.1

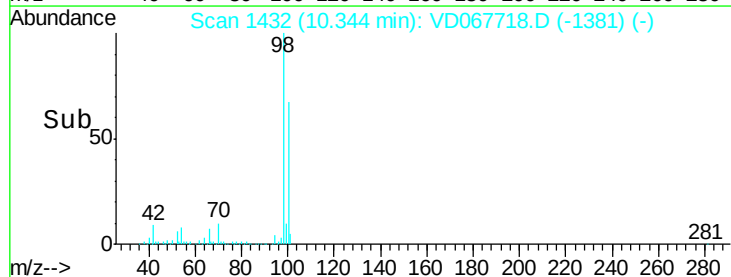
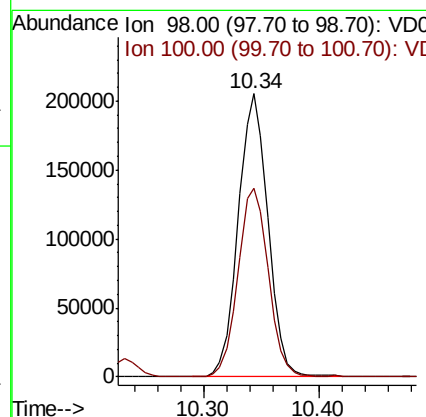
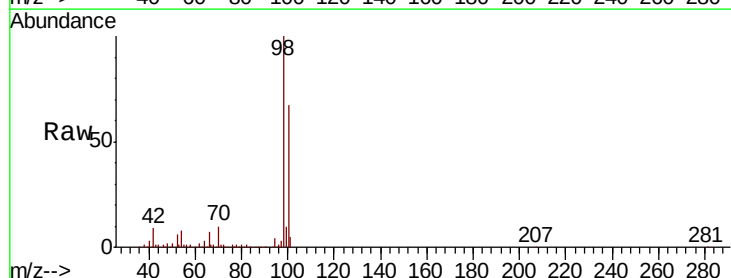
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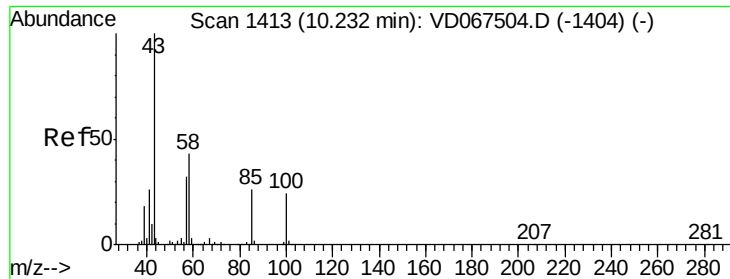
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11/23/2020 1:41:28 PM



#50
Toluene-d8
Concen: 45.610 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	98	Resp	366058
Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 111.532 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 43 Resp: 88863

Ion Ratio Lower Upper

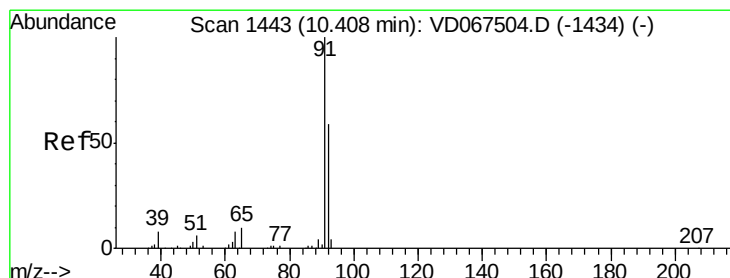
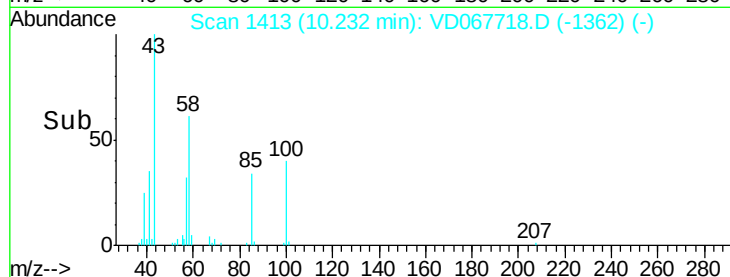
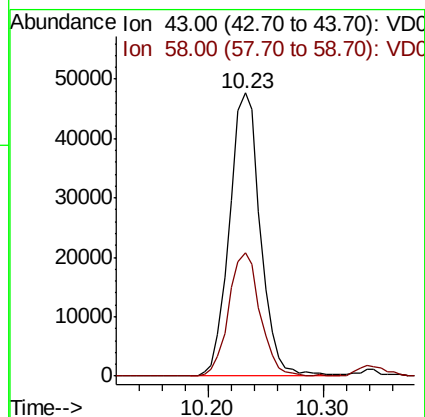
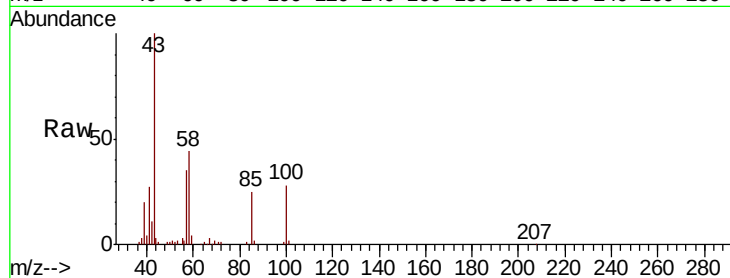
43 100

58 44.0 35.6 53.4

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11/23/2020 1:41:28 PM



#52

Toluene

Concen: 22.782 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067718.D

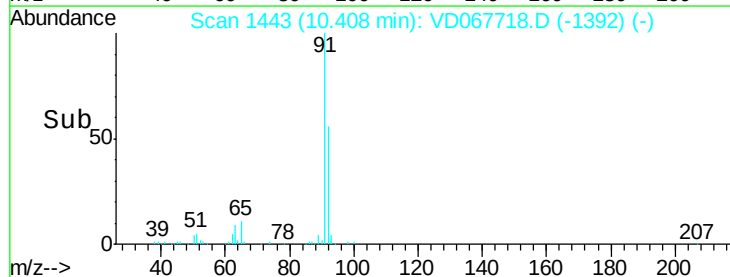
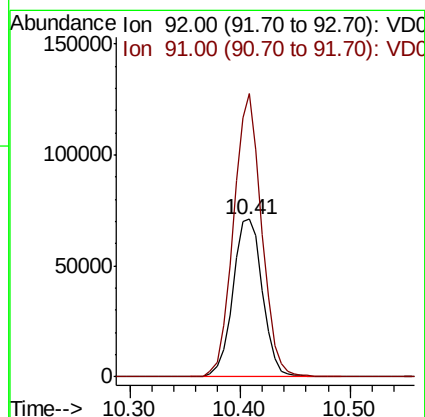
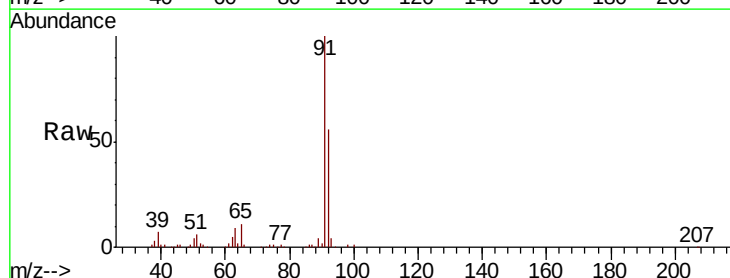
Acq: 20 Nov 2020 12:14

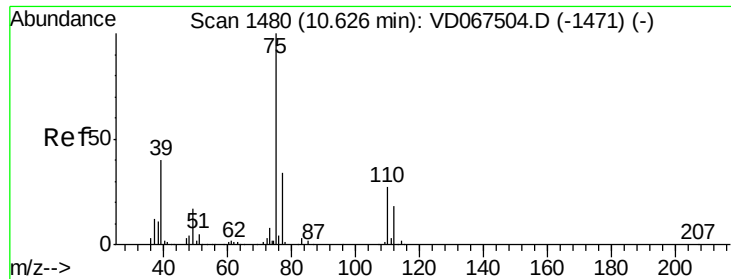
Tgt Ion: 92 Resp: 134113

Ion Ratio Lower Upper

92 100

91 170.0 137.0 205.6





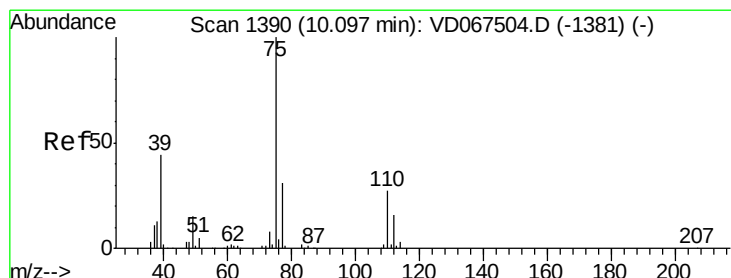
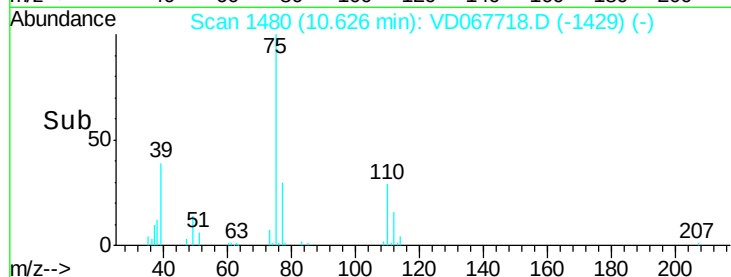
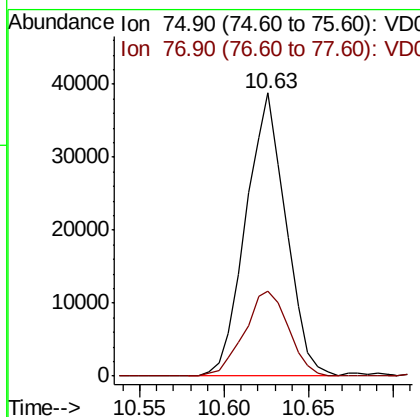
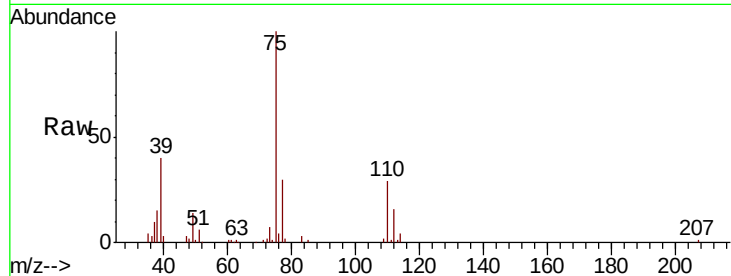
#53
t-1,3-Dichloropropene
Concen: 22.793 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 75 Resp: 64108
Ion Ratio Lower Upper
75 100
77 30.0 27.0 40.6

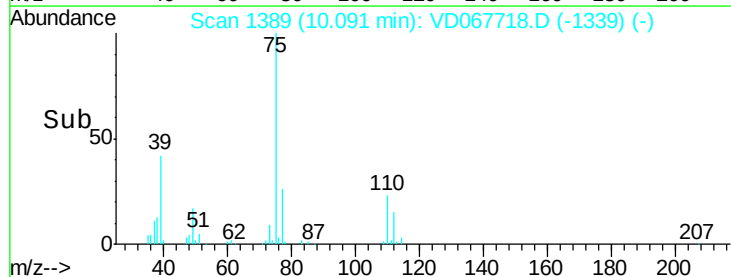
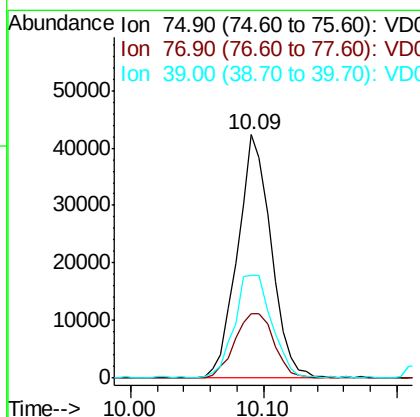
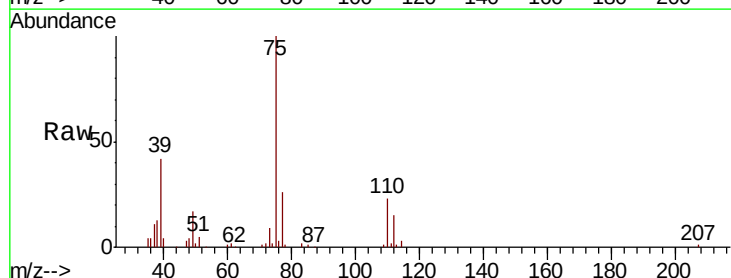
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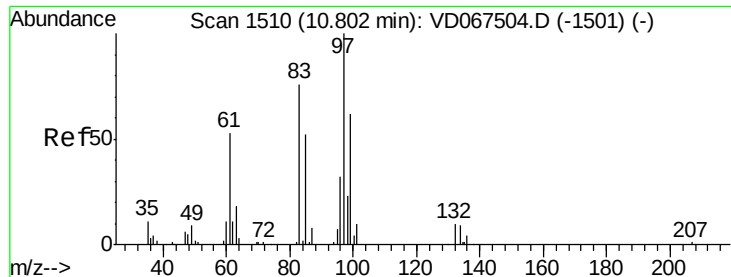
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#54
cis-1,3-Dichloropropene
Concen: 22.065 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion: 75 Resp: 73734
Ion Ratio Lower Upper
75 100
77 26.4 24.4 36.6
39 42.1 35.6 53.4





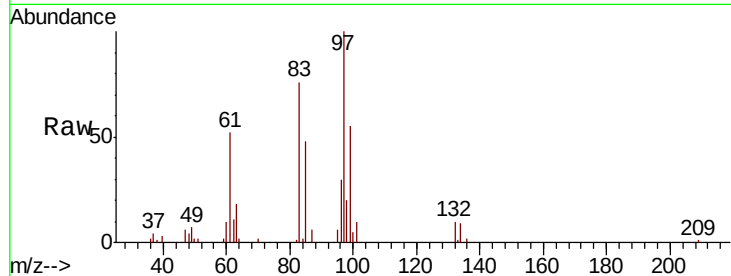
#55
 1,1,2-Trichloroethane
 Concen: 23.177 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

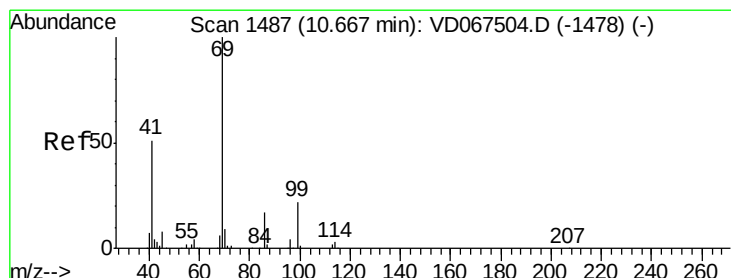
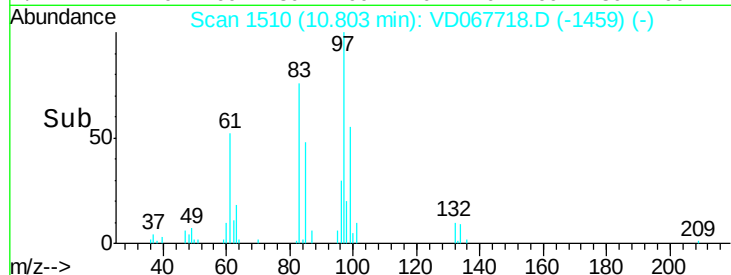
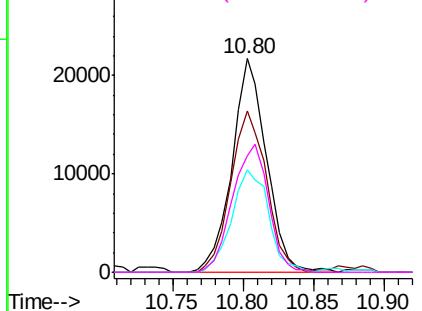
Tot Ion	97	Resp	37052
Ion	Ratio	Lower	Upper
97	100		
83	75.8	61.0	91.6
85	47.9	41.5	62.3
99	54.7	49.4	74.2

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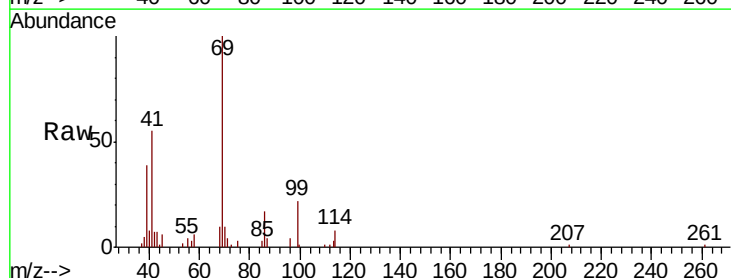


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

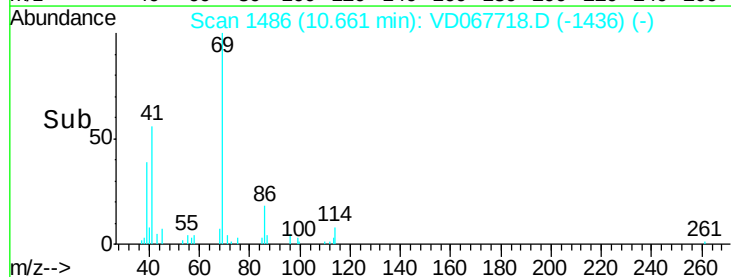
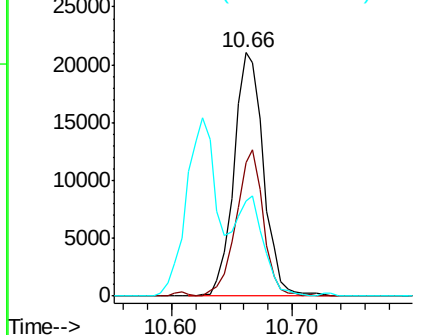


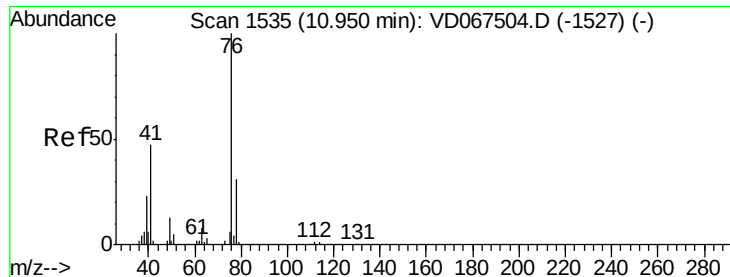
#56
 Ethyl methacrylate
 Concen: 21.765 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion	69	Resp	35930
Ion	Ratio	Lower	Upper
69	100		
41	55.3	45.4	68.0
39	35.8	27.4	41.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





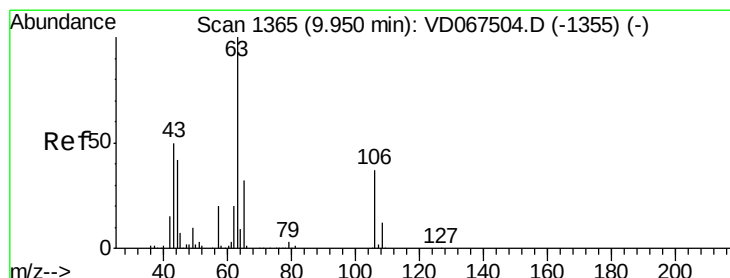
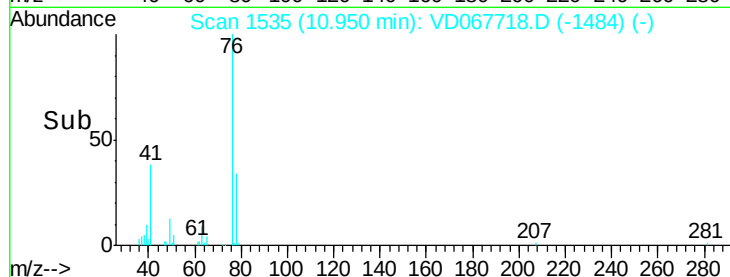
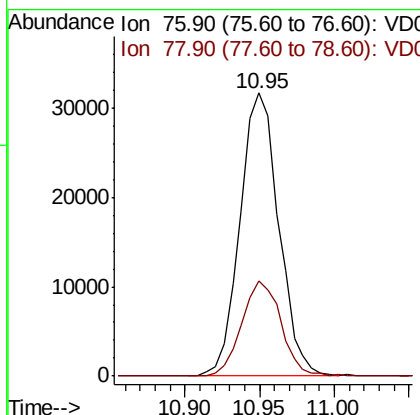
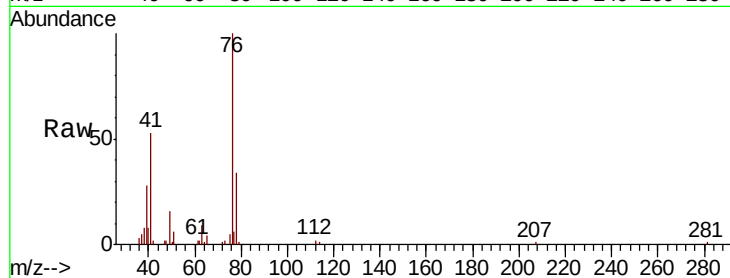
#57
 1,3-Dichloropropane
 Concen: 22.108 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion: 76 Resp: 56872
 Ion Ratio Lower Upper
 76 100
 78 34.0 26.1 39.1

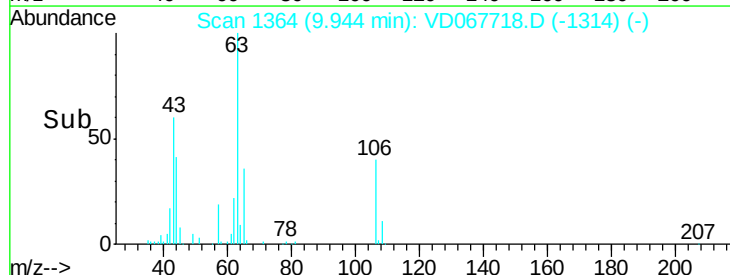
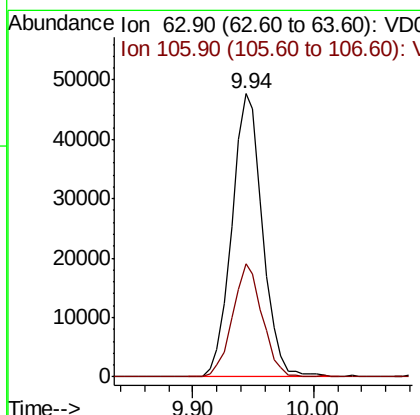
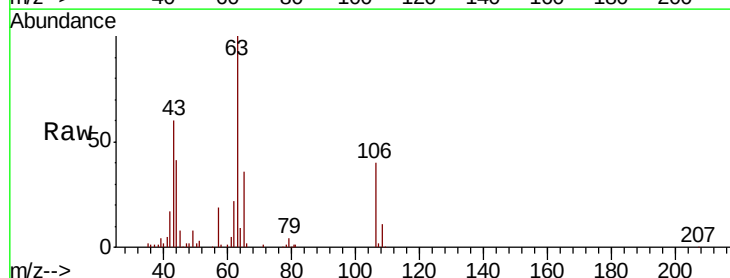
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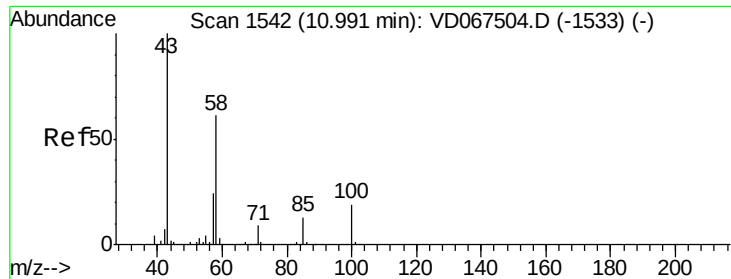
MMDadoda
 11/23/2020 1:41:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.366 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion: 63 Resp: 84195
 Ion Ratio Lower Upper
 63 100
 106 38.7 29.2 43.8





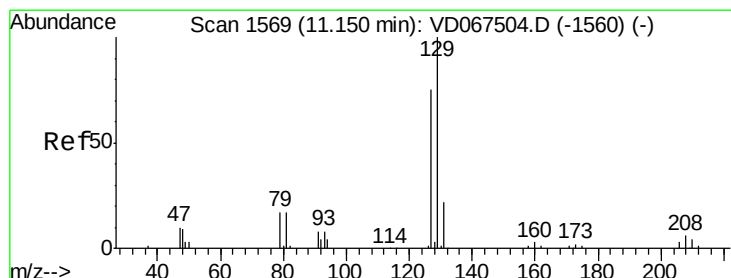
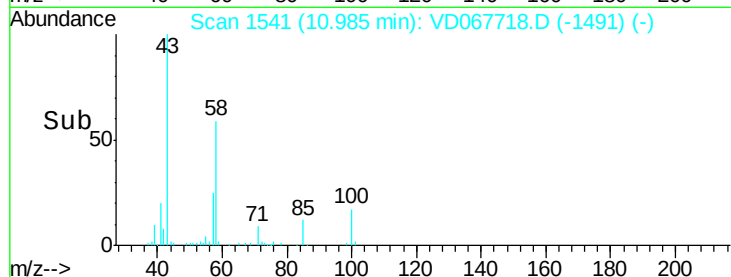
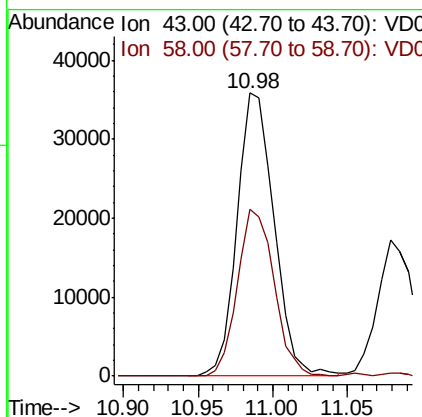
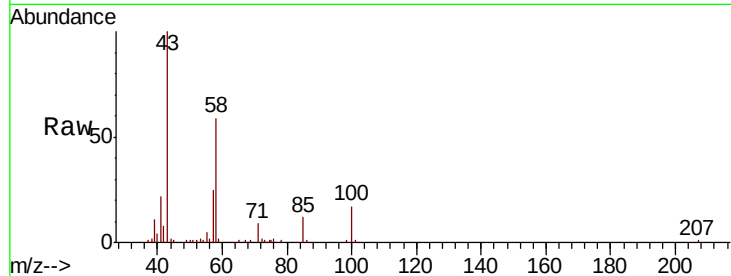
#59
2-Hexanone
Concen: 110.950 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 43 Resp: 61809
Ion Ratio Lower Upper
43 100
58 58.3 30.3 90.9

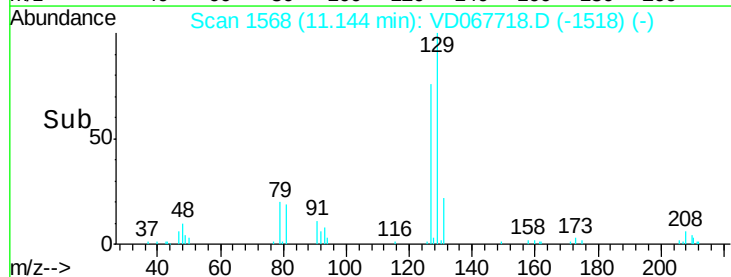
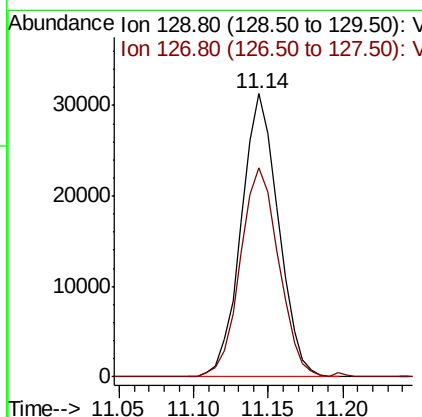
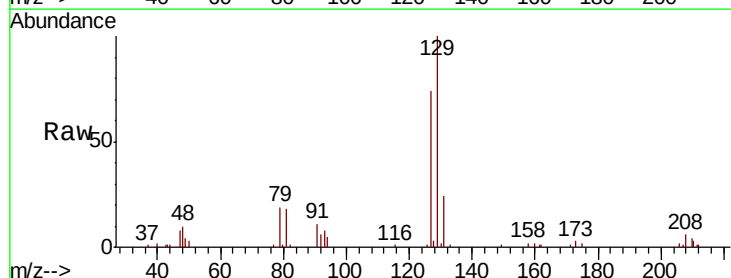
Manual Integrations
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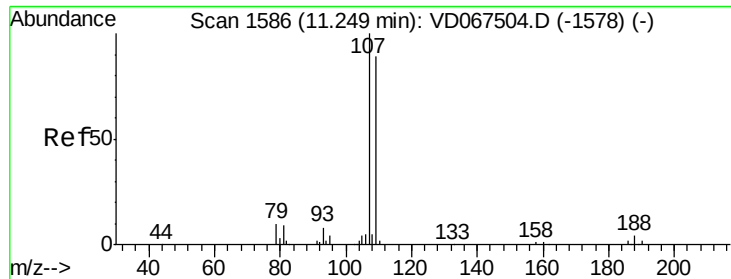
MMDadoda
11/23/2020 1:41:28 PM



#60
Dibromochloromethane
Concen: 22.848 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion:129 Resp: 54031
Ion Ratio Lower Upper
129 100
127 76.6 38.0 114.1





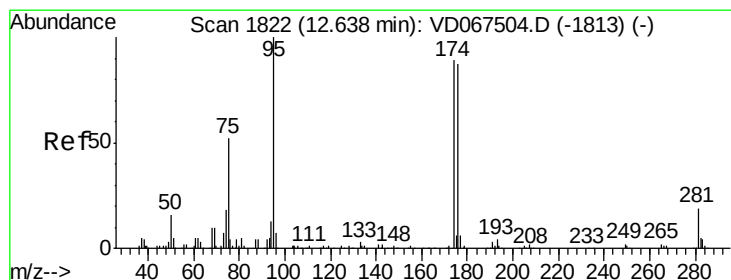
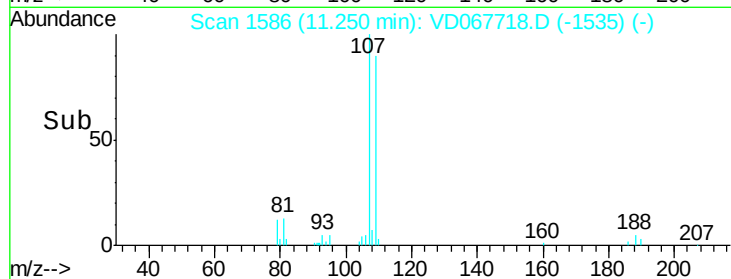
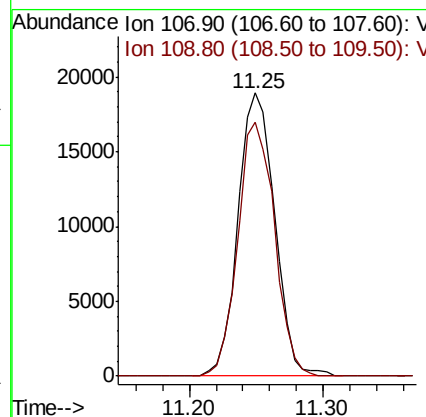
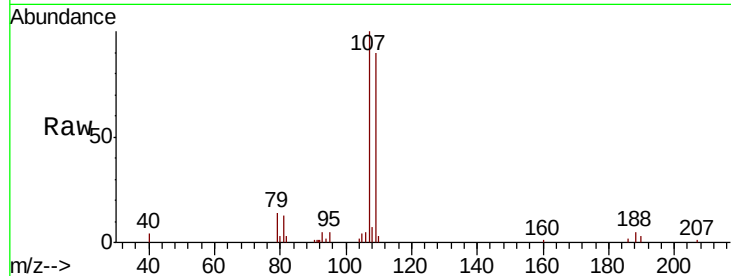
#61
 1,2-Dibromoethane
 Concen: 22.425 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.9	74.6	111.8

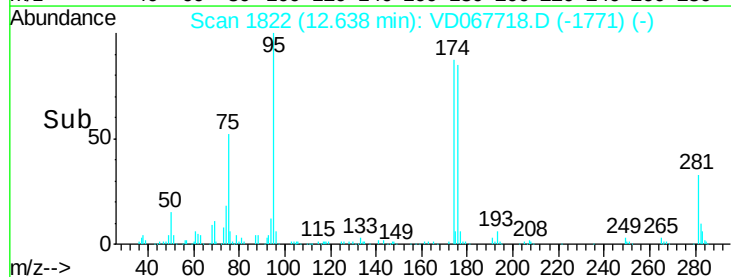
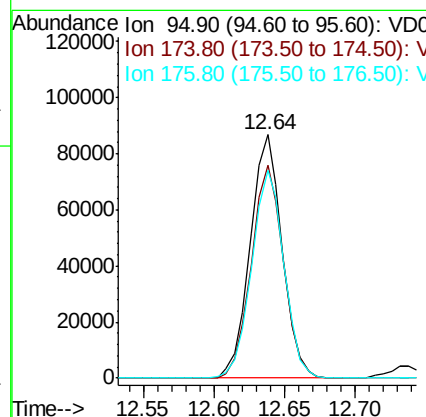
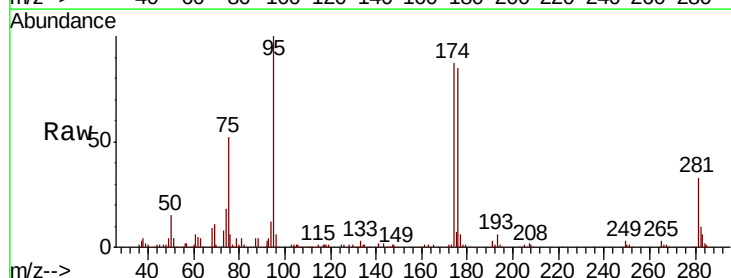
Manual Integrations
 APPROVED

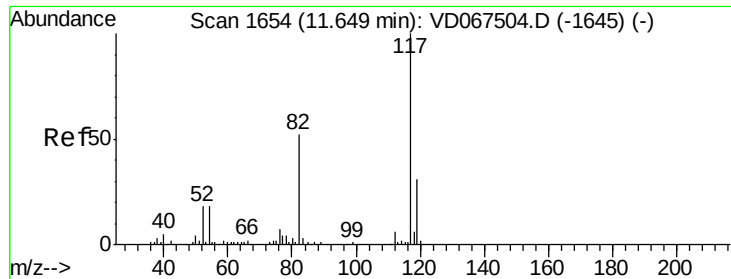
MMDadoda
 11/23/2020 1:41:28 PM



#62
 4-Bromofluorobenzene
 Concen: 49.717 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	177.8
176	86.2	0.0	172.0





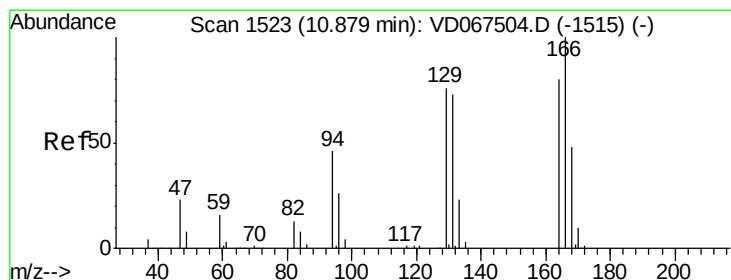
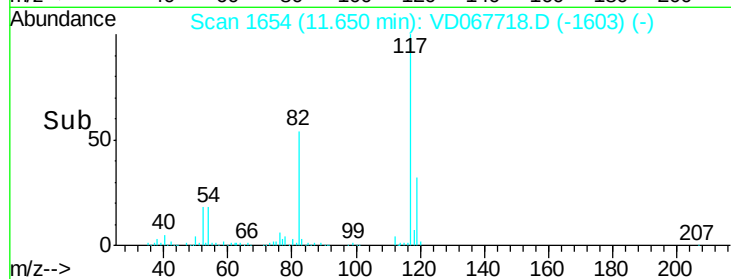
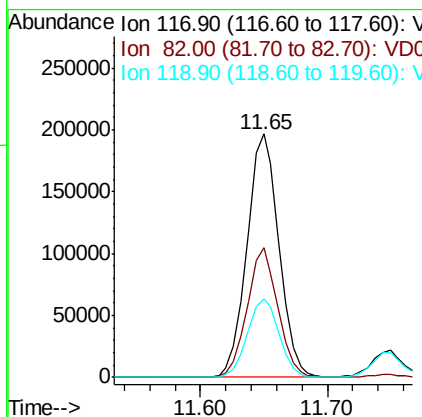
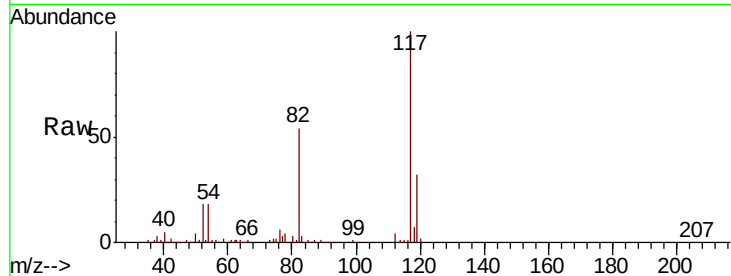
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.6	62.4
119	32.0	25.1	37.7

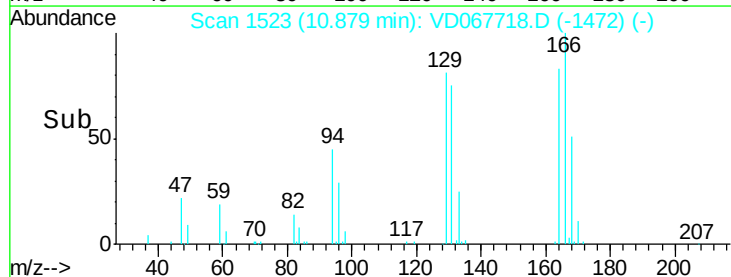
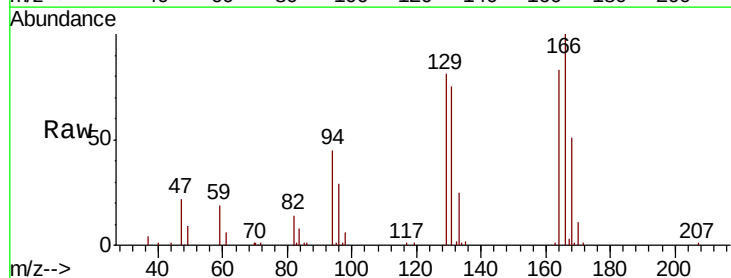
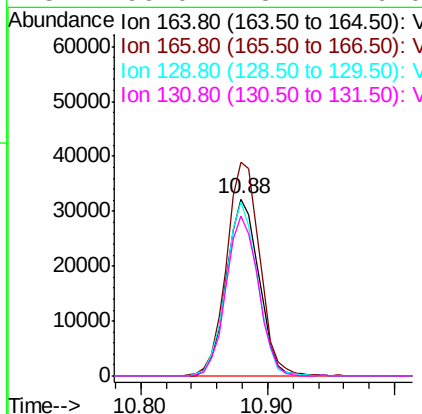
Manual Integrations
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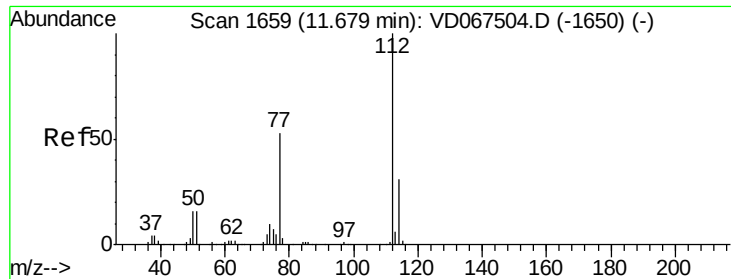
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11/23/2020 1:41:28 PM



#64
Tetrachloroethene
Concen: 22.358 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.0	99.9	149.9
129	98.2	75.5	113.3
131	90.0	73.4	110.0





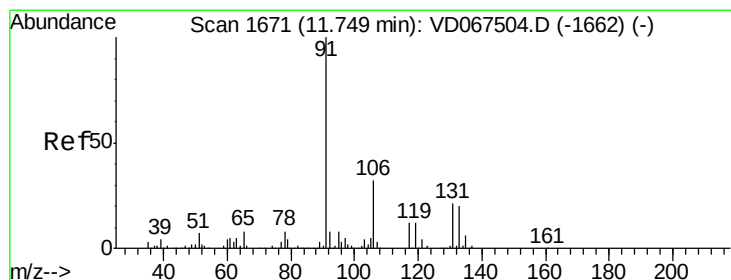
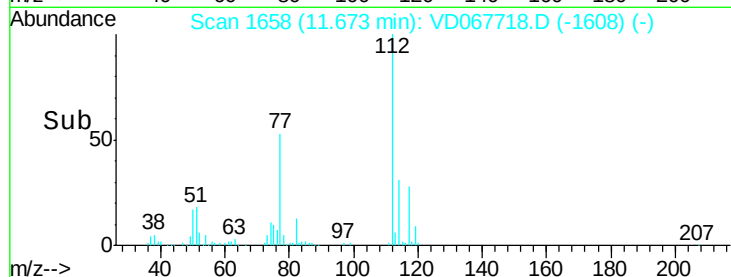
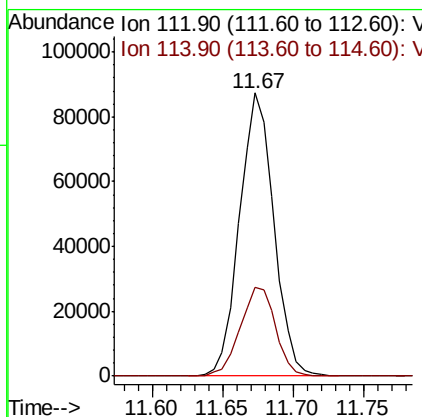
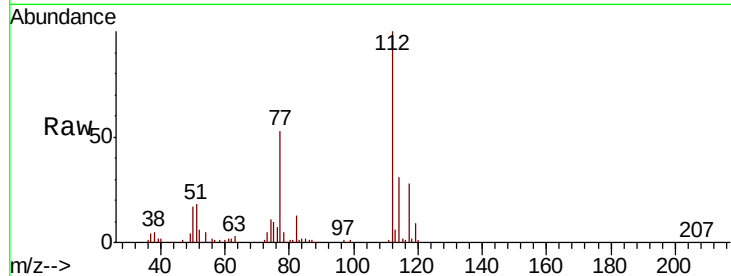
#65
Chlorobenzene
Concen: 22.342 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	24.9	37.3

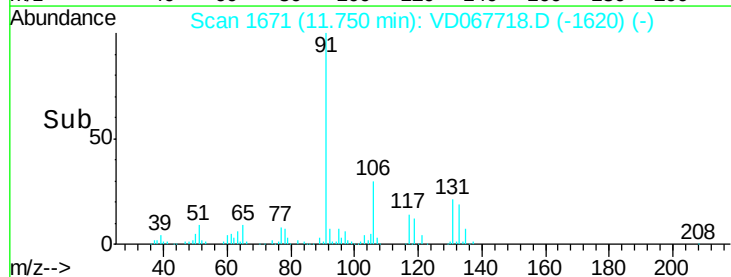
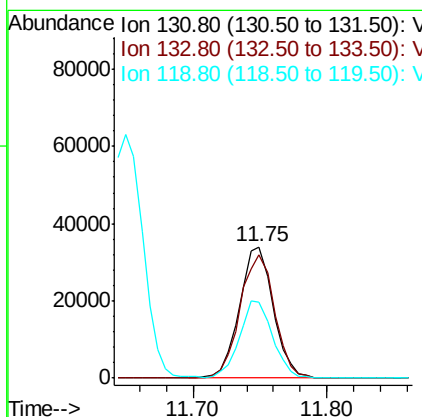
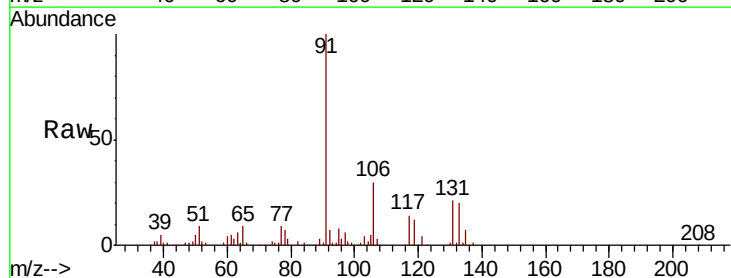
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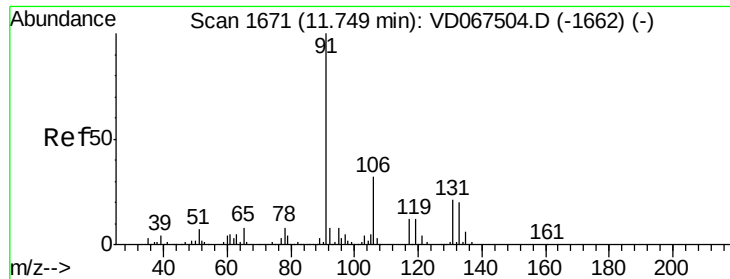
MMDadoda
11/23/2020 1:41:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.735 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.0	144.0
119	57.6	30.1	90.5





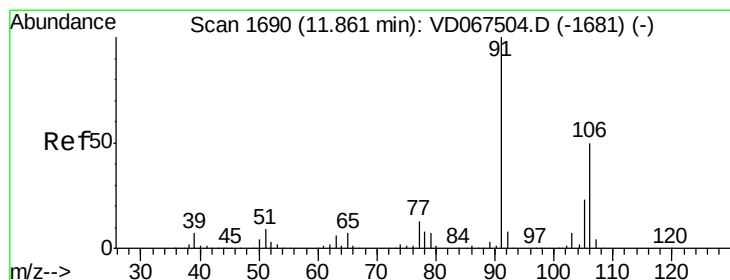
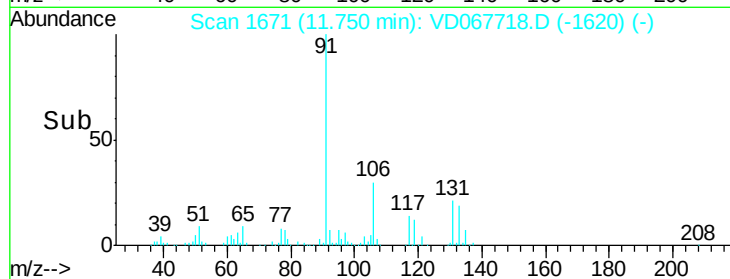
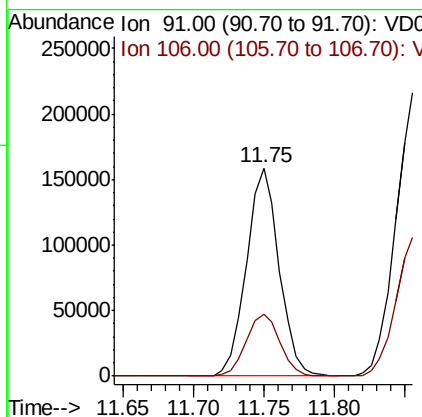
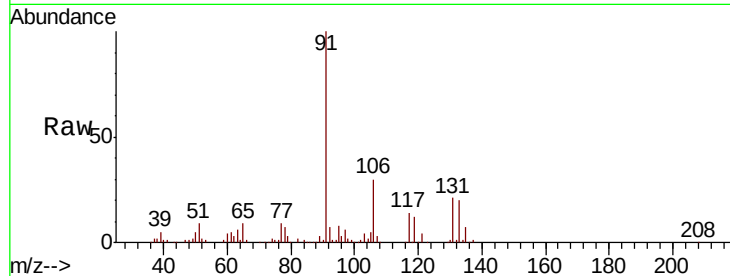
#67
Ethyl Benzene
Concen: 22.607 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	91	Resp	257311
Ion Ratio	100	Lower	Upper
106	29.7	25.7	38.5

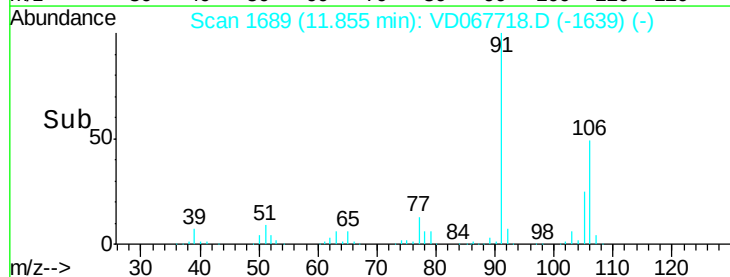
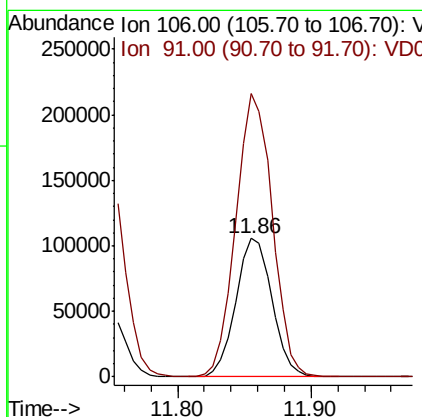
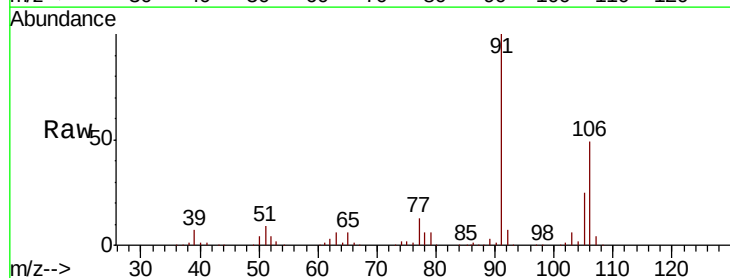
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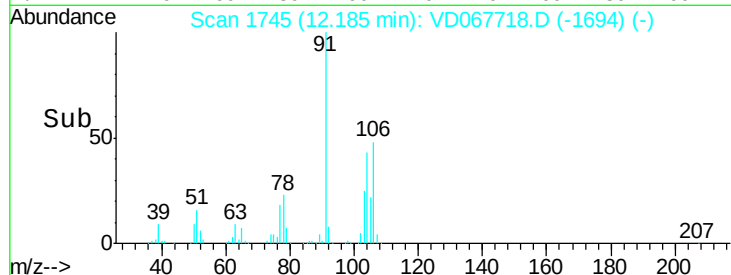
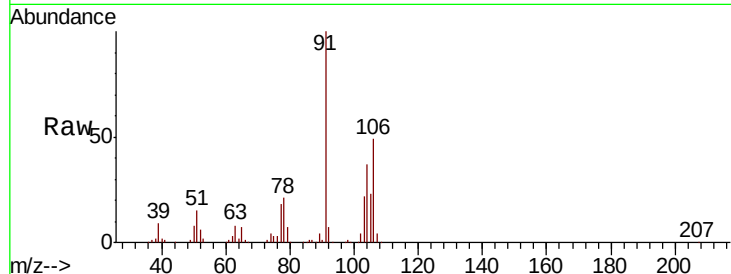
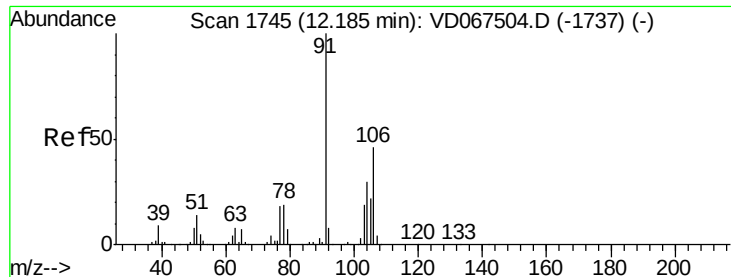
MMDadoda
11/23/2020 1:41:28 PM



#68
m/p-Xylenes
Concen: 44.831 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	106	Resp	198511
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	206.2	162.6	244.0





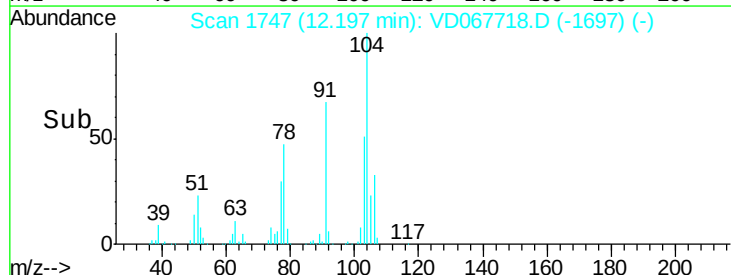
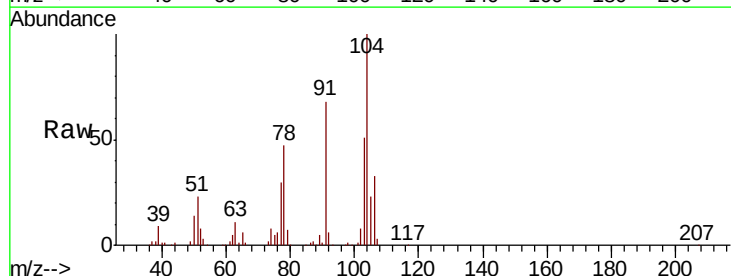
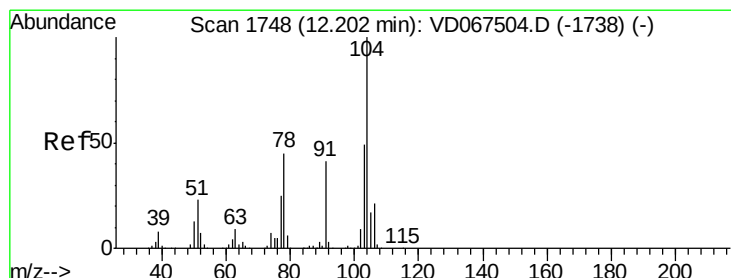
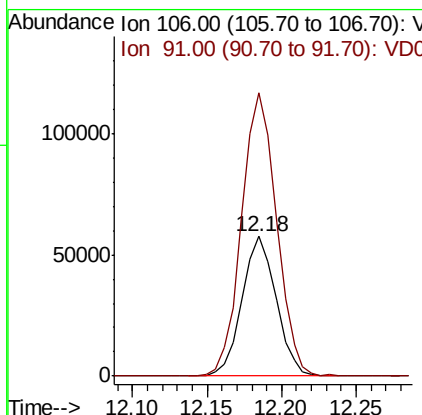
#69
o-Xylene
Concen: 23.040 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tot Ion:106 Resp: 91087
Ion Ratio Lower Upper
106 100
91 208.2 107.1 321.1

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

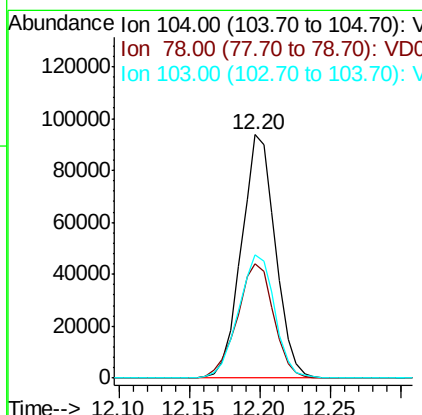
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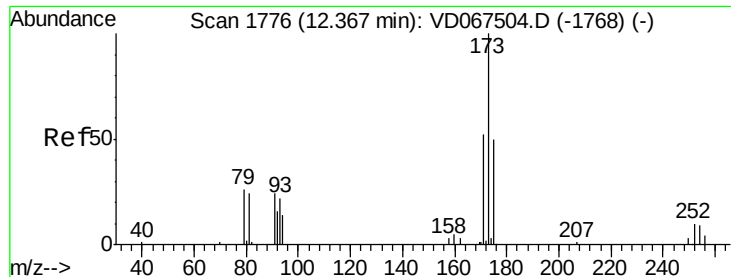
MMDadoda
11/23/2020 1:41:28 PM



#70
Styrene
Concen: 22.900 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion:104 Resp: 157756
Ion Ratio Lower Upper
104 100
78 50.5 39.8 59.8
103 54.2 43.9 65.9





#71

Bromoform

Concen: 24.002 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion:173 Resp: 32090

Ion Ratio Lower Upper

173 100

175 51.4 24.1 72.2

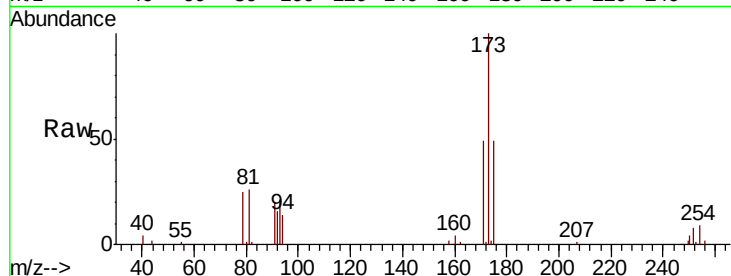
254 1.9 0.0 0.0#

Manual Integrations

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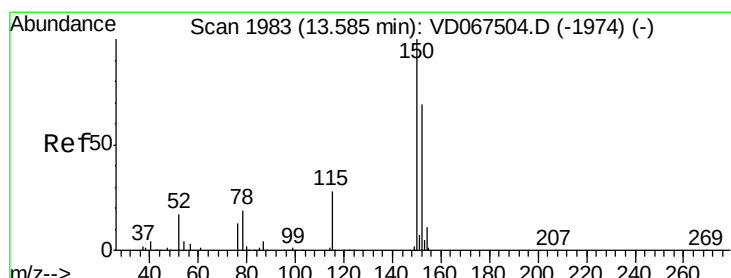
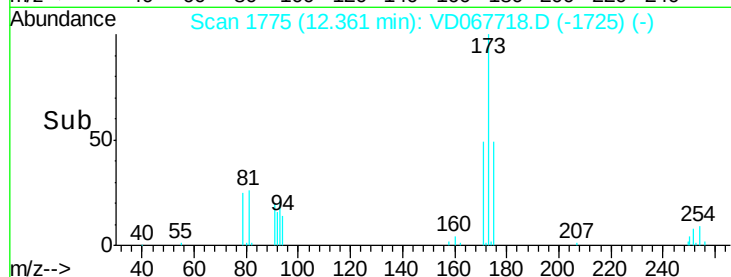
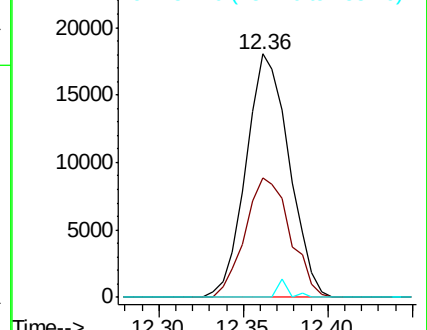
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Abundance Ion 172.70 (172.40 to 173.40): V

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. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

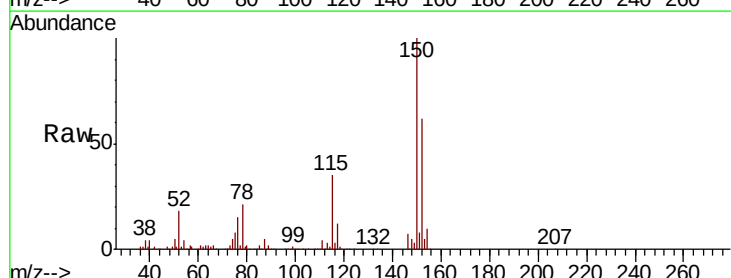
Tgt Ion:152 Resp: 175216

Ion Ratio Lower Upper

152 100

115 59.8 29.3 88.0

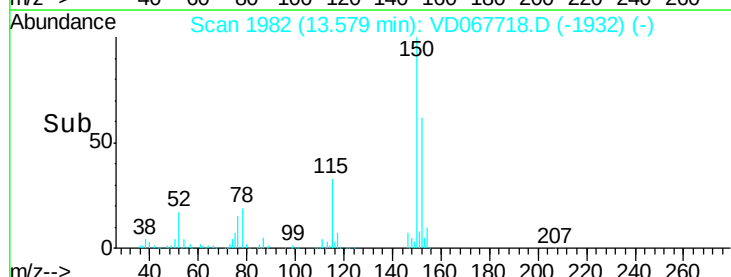
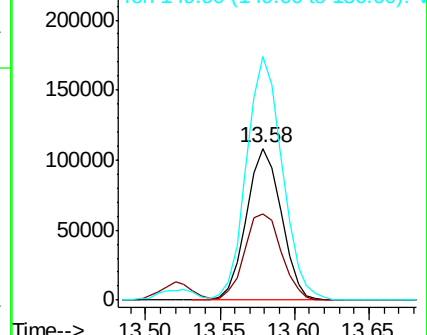
150 165.0 0.0 338.2

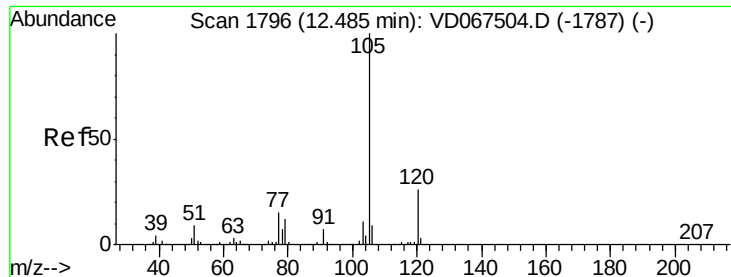


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.722 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 105 Resp: 257302

Ion Ratio Lower Upper

105 100

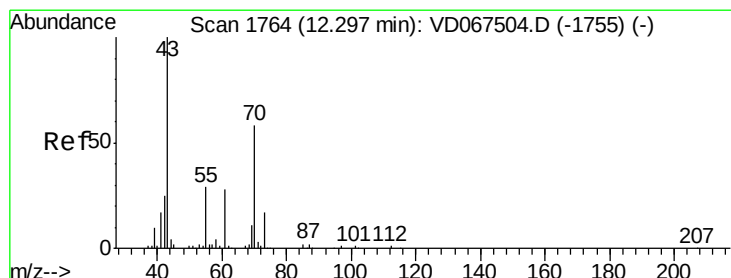
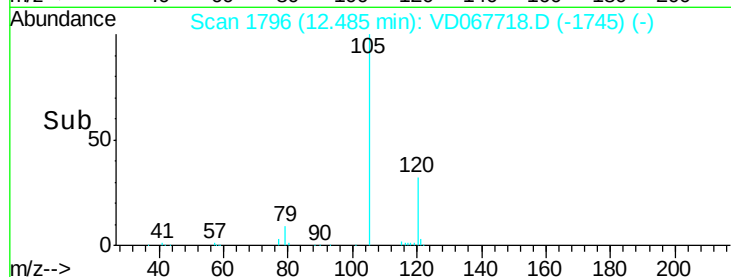
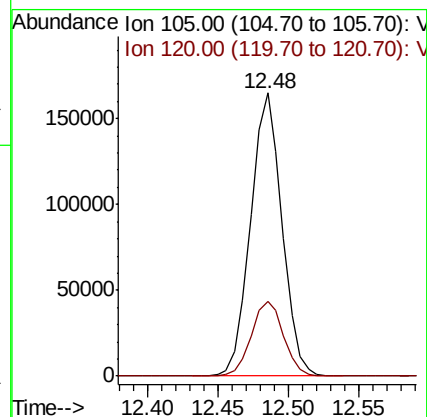
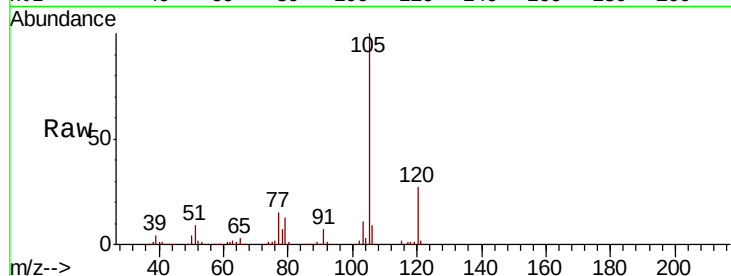
120 27.1 13.2 39.6

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#74

N-ethyl acetate

Concen: 21.642 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Tgt Ion: 43 Resp: 32248

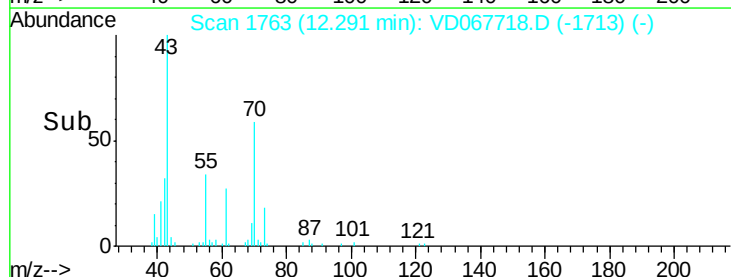
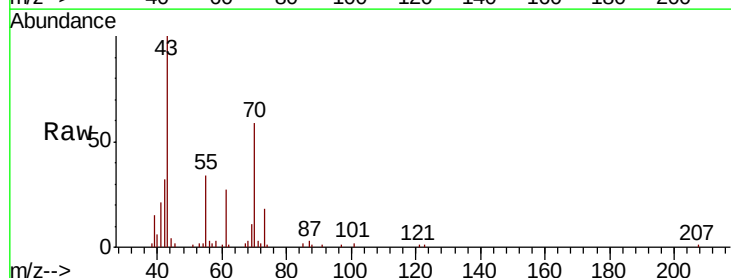
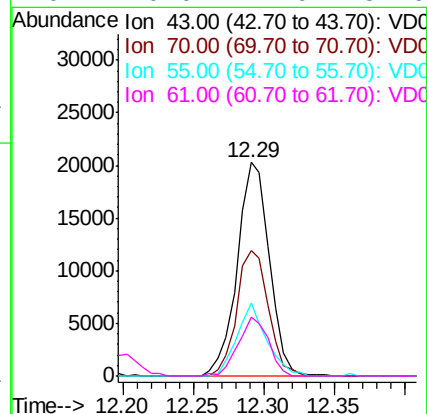
Ion Ratio Lower Upper

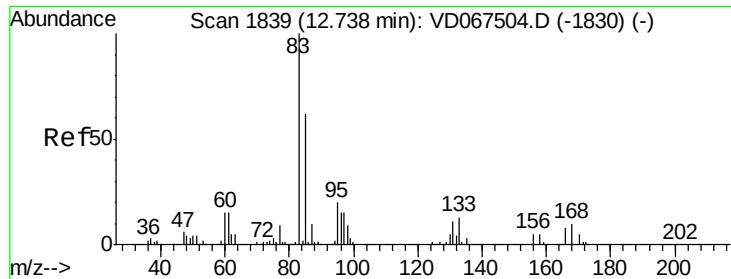
43 100

70 57.7 42.6 64.0

55 31.6 23.7 35.5

61 26.0 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.936 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

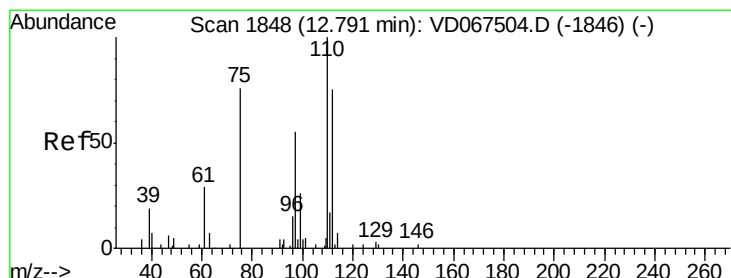
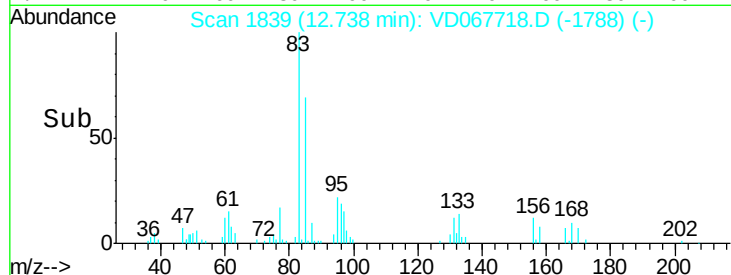
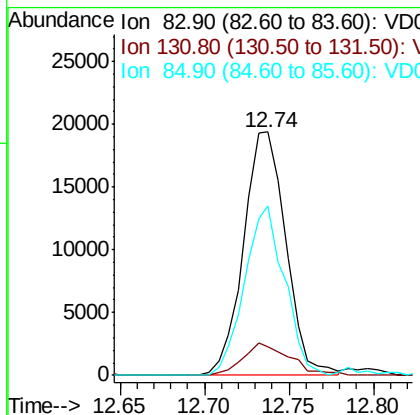
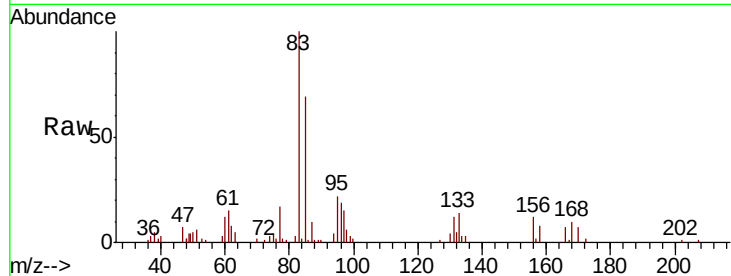
ClientSampleId :

VD1120SBS01

Tot Ion:	83	Resp:	33873
Ion	Ratio	Lower	Upper
83	100		
131	14.7	7.1	21.3
85	65.7	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.215 ug/l m

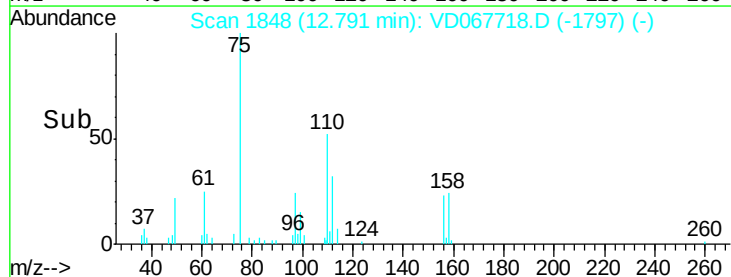
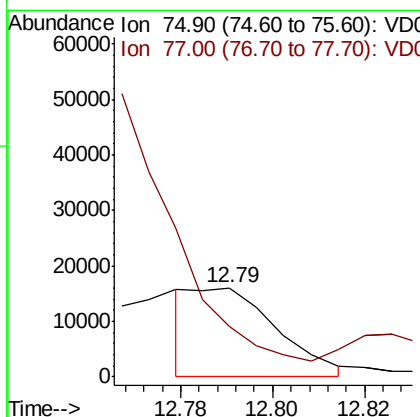
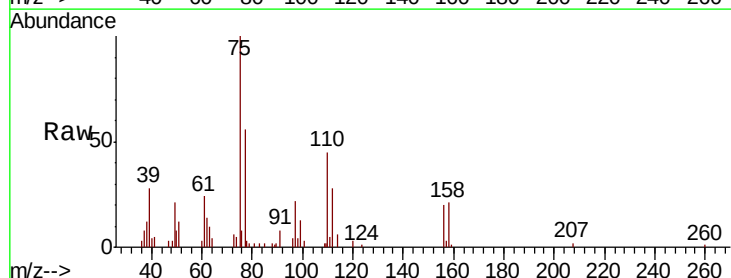
RT: 12.79 min Scan# 1848

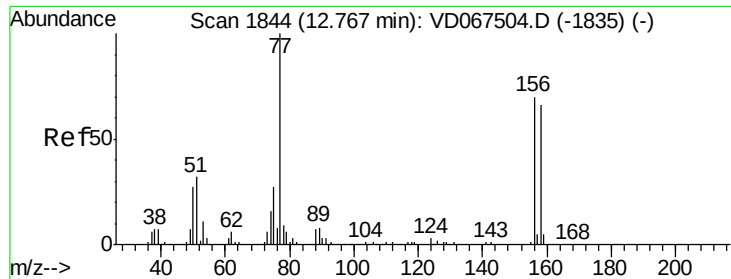
Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Tgt Ion:	75	Resp:	20310
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.546 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion:156 Resp: 62702

Ion Ratio Lower Upper

156 100

77 150.5 77.8 233.5

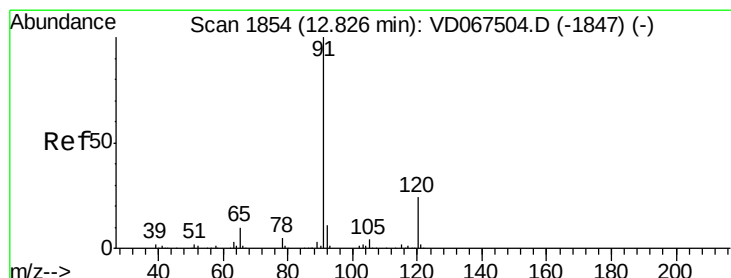
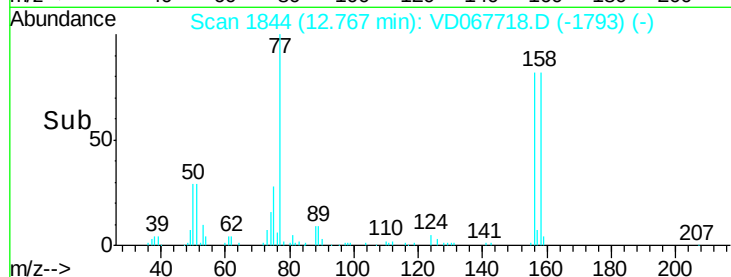
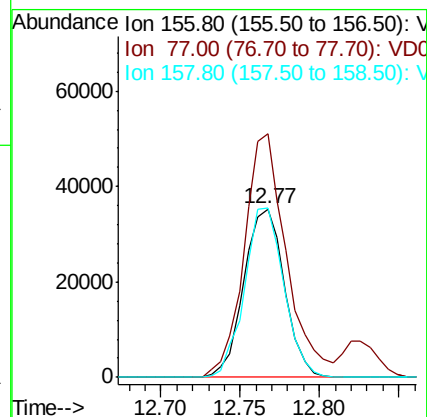
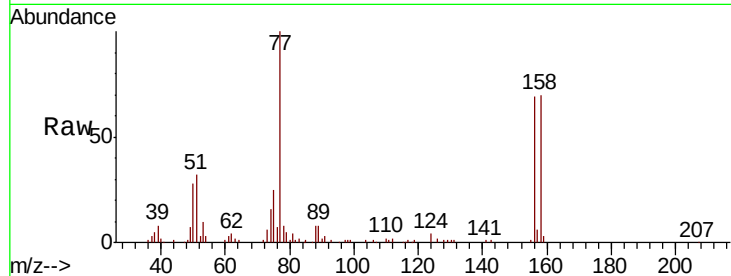
158 97.8 47.9 143.7

Manual Integrations

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#78

n-propylbenzene

Concen: 22.342 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067718.D

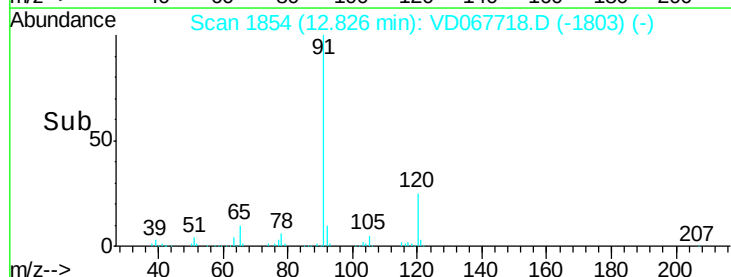
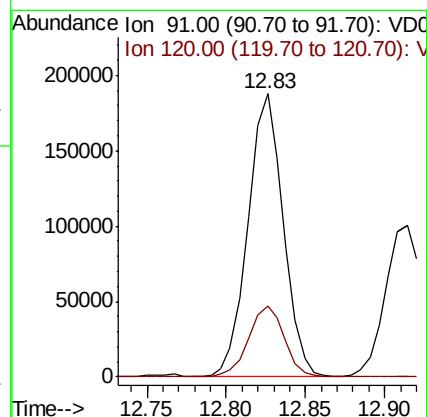
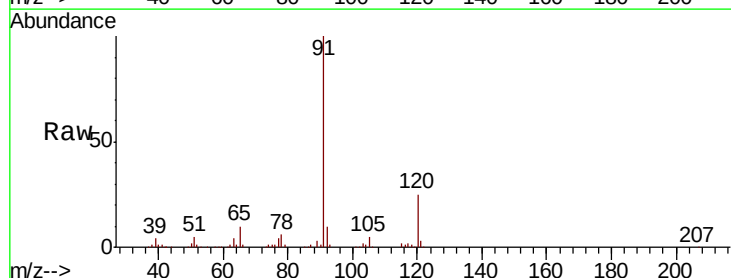
Acq: 20 Nov 2020 12:14

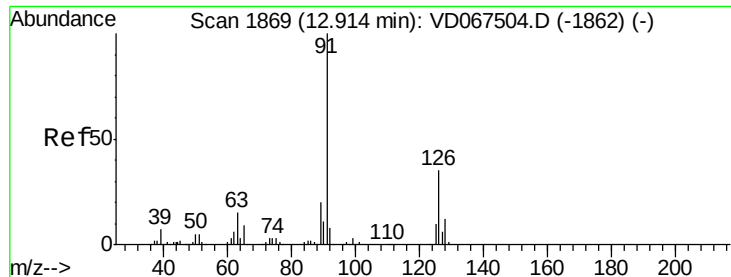
Tgt Ion: 91 Resp: 289383

Ion Ratio Lower Upper

91 100

120 25.5 12.2 36.4





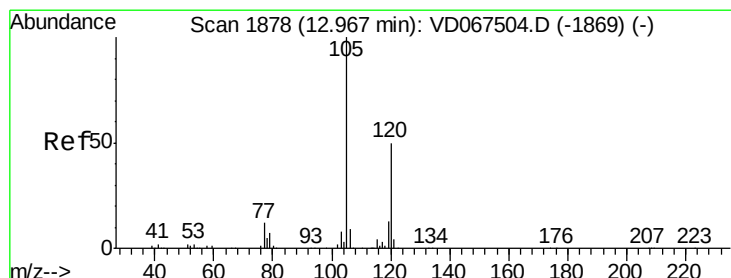
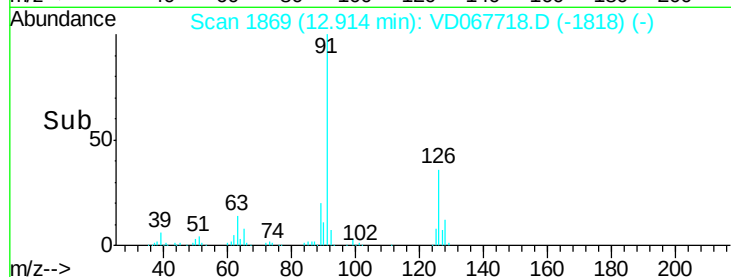
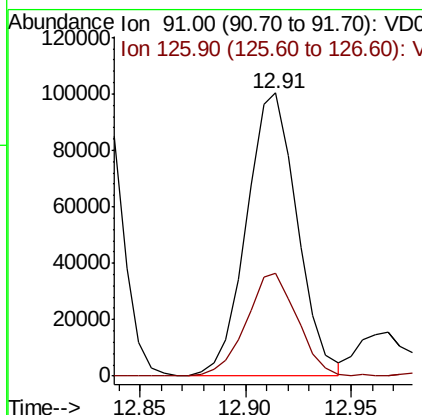
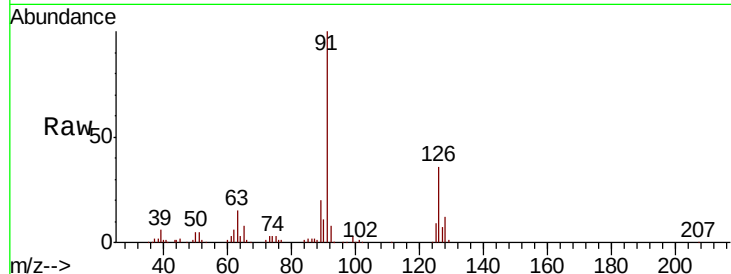
#79
2-Chlorotoluene
Concen: 22.682 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 91 Resp: 166886
Ion Ratio Lower Upper
91 100
126 36.8 17.8 53.4

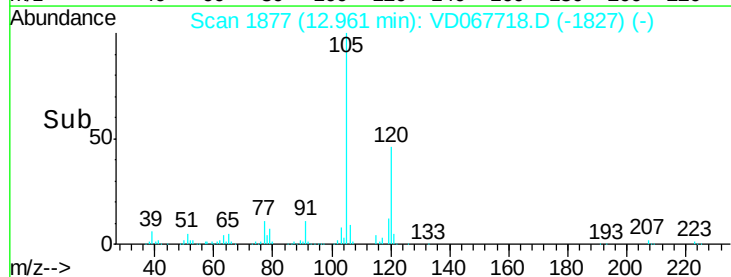
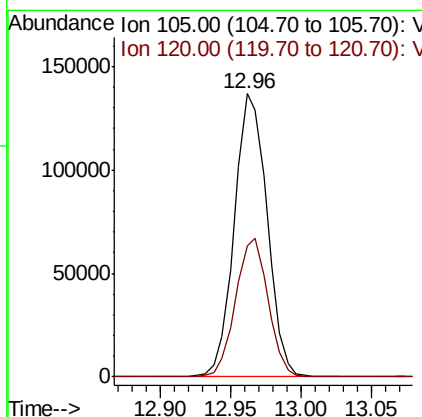
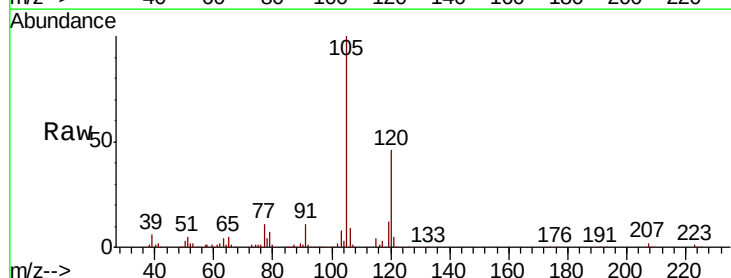
Manual Integrations
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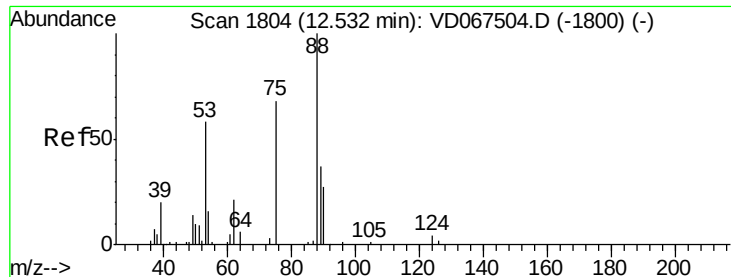
MMDadoda
11/23/2020 1:41:28 PM



#80
1,3,5-Trimethylbenzene
Concen: 22.918 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion: 105 Resp: 221696
Ion Ratio Lower Upper
105 100
120 48.7 24.3 72.8





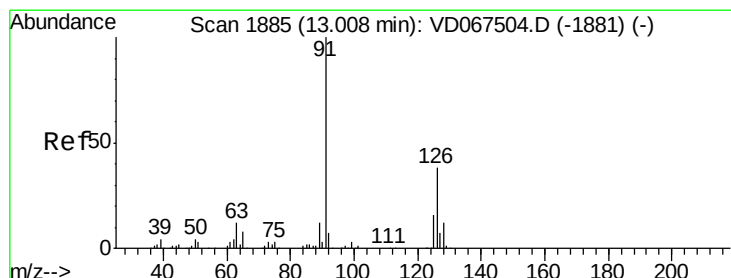
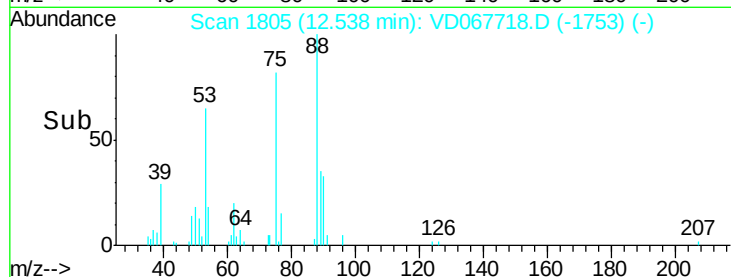
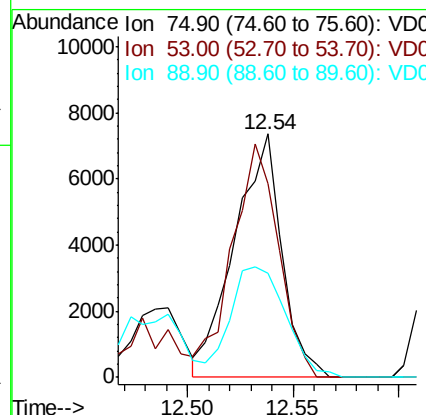
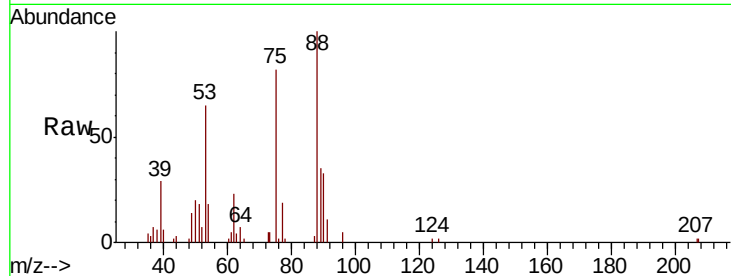
#81
trans-1,4-Dichloro-2-butene
Concen: 21.914 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 75 Resp: 11409
Ion Ratio Lower Upper
75 100
53 94.1 75.9 113.9
89 53.1 44.6 67.0

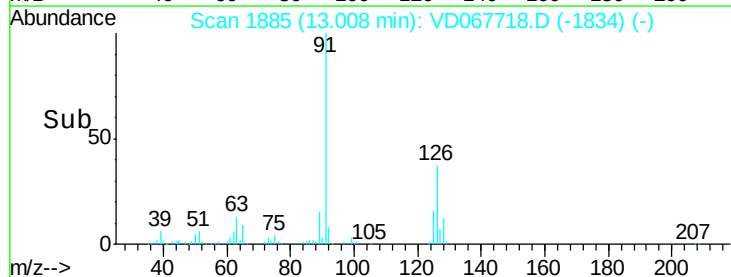
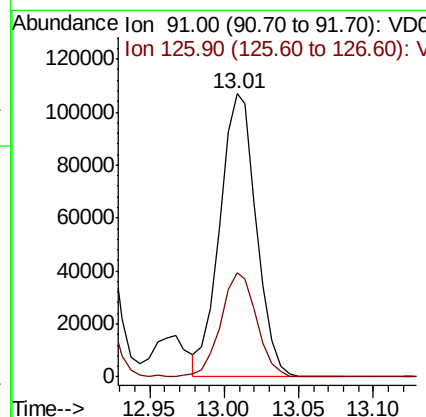
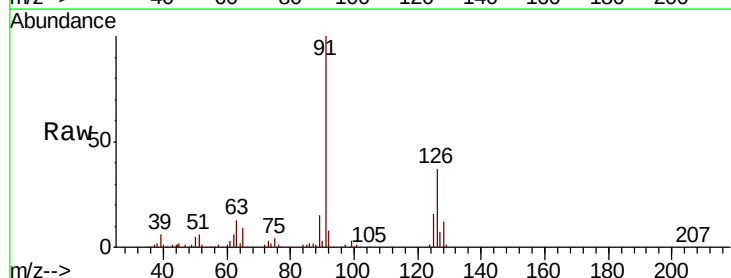
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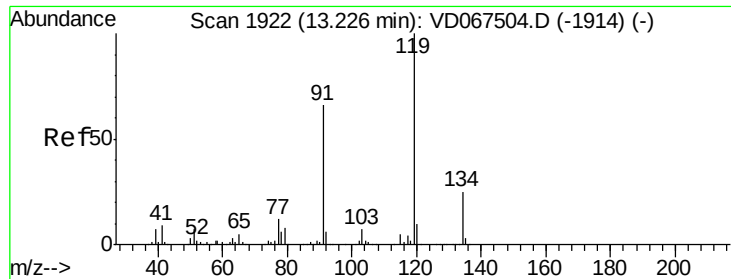
MMDadoda
11/23/2020 1:41:28 PM



#82
4-Chlorotoluene
Concen: 23.084 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion: 91 Resp: 182163
Ion Ratio Lower Upper
91 100
126 36.2 17.9 53.7





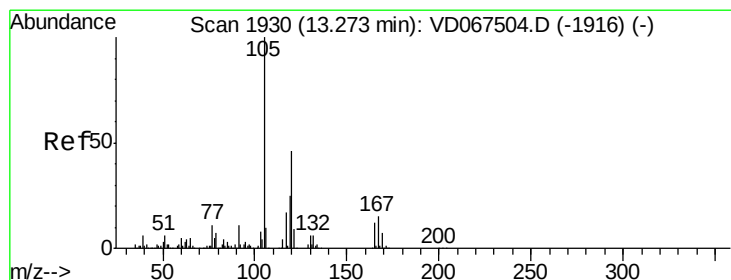
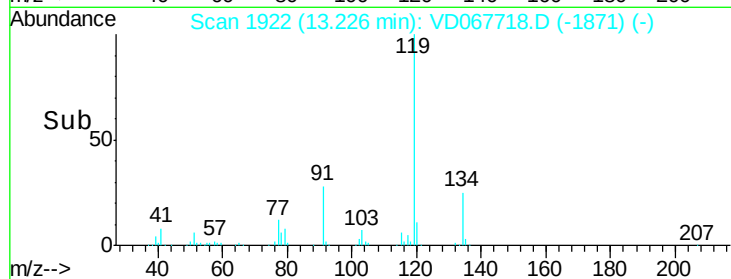
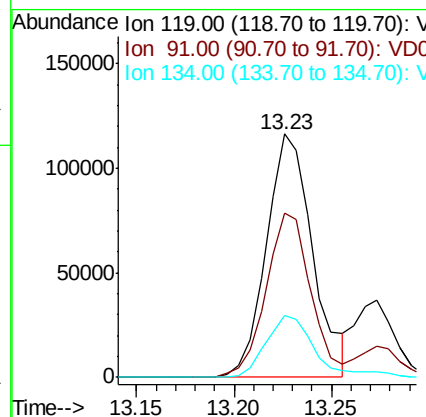
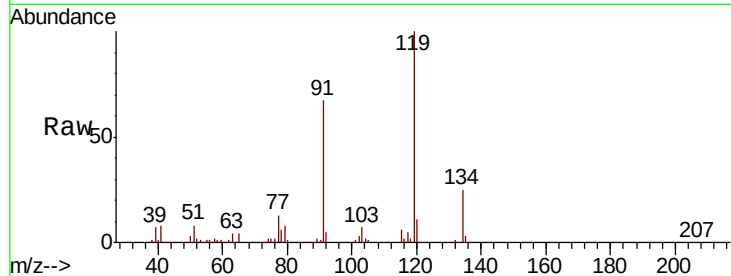
#83
 tert-Butylbenzene
 Concen: 23.360 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191509		
91	65.0	32.7	98.1	
134	27.2	13.4	40.2	

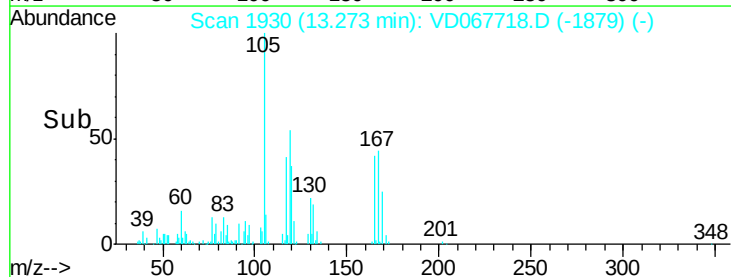
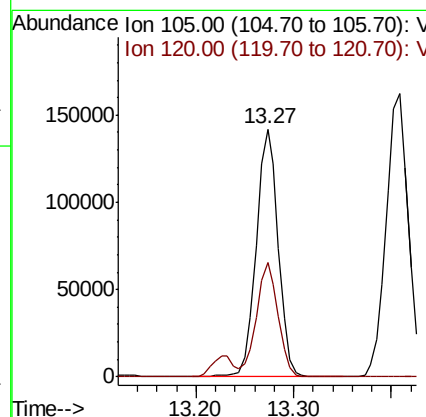
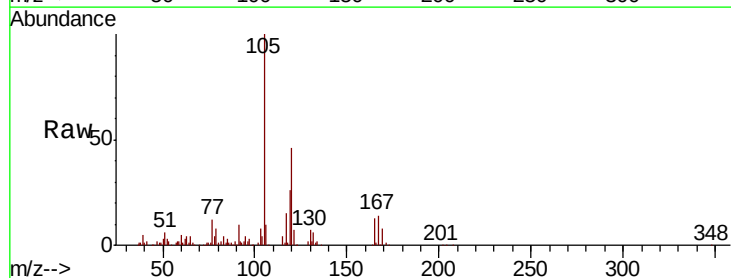
Manual Integrations
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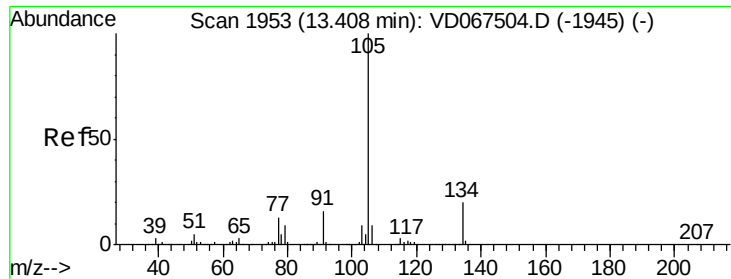
MMDadoda
 11/23/2020 1:41:28 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 23.360 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	224935		
120	45.3	22.1	66.1	





#85

sec-Butylbenzene

Concen: 23.043 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion:105 Resp: 255022

Ion Ratio Lower Upper

105 100

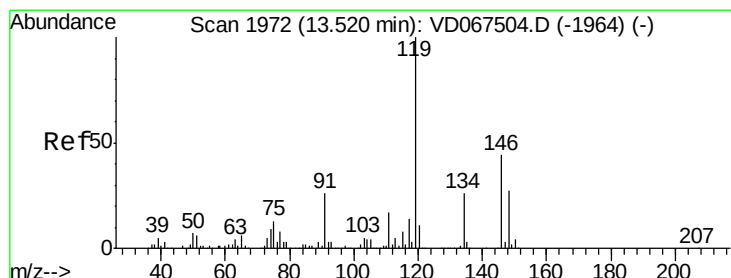
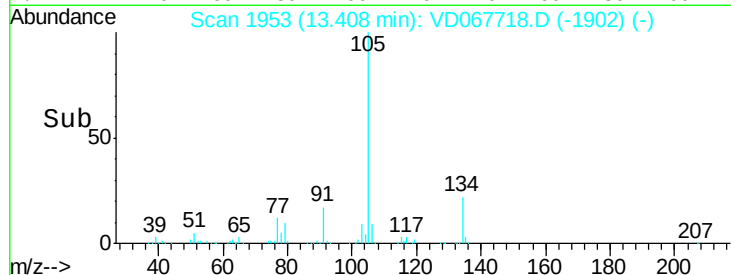
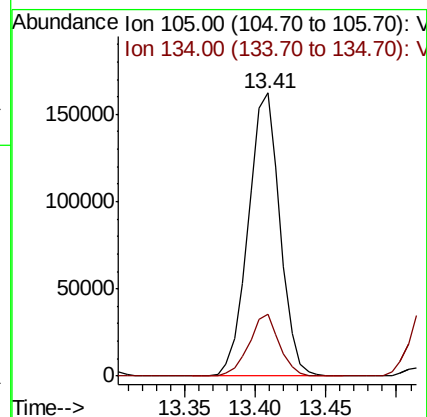
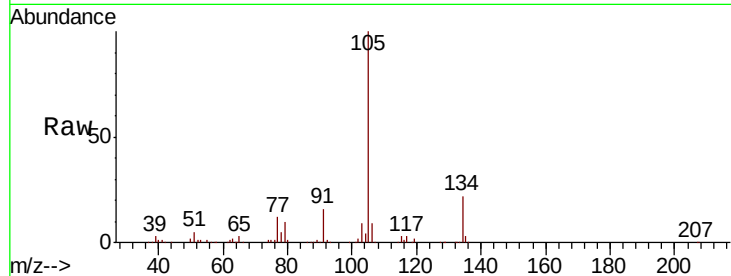
134 21.0 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 23.745 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

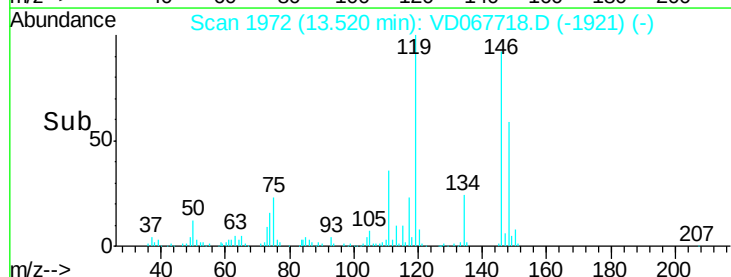
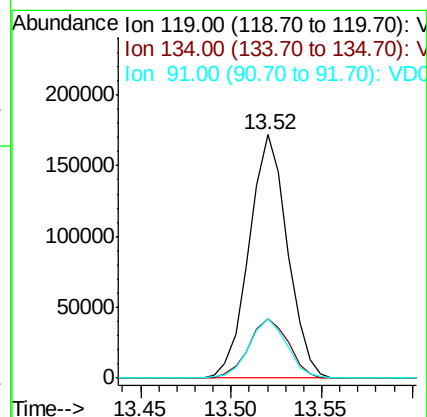
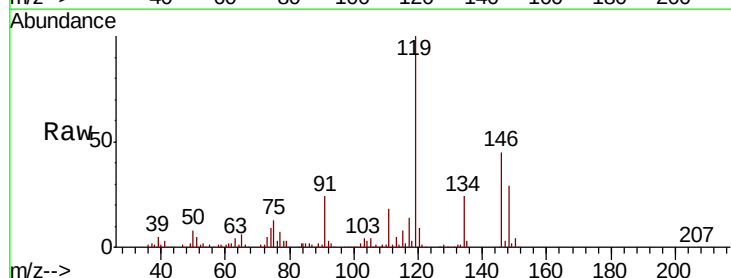
Tgt Ion:119 Resp: 253769

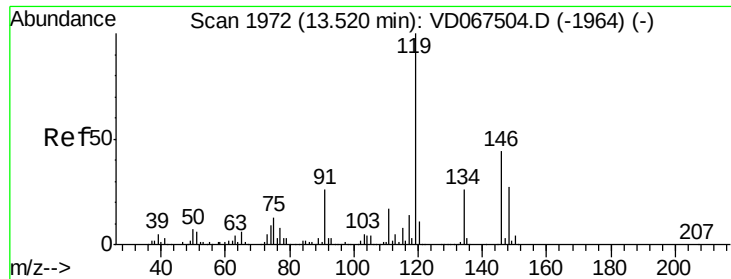
Ion Ratio Lower Upper

119 100

134 25.2 13.1 39.3

91 24.1 12.2 36.4





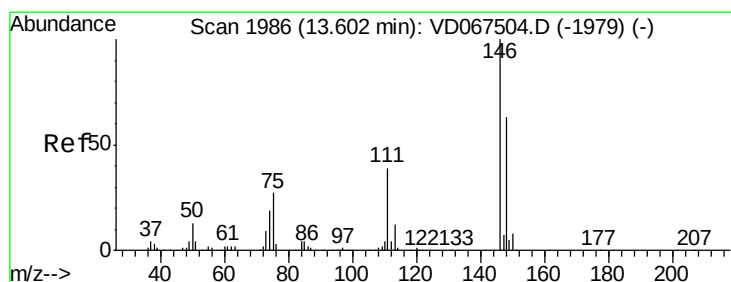
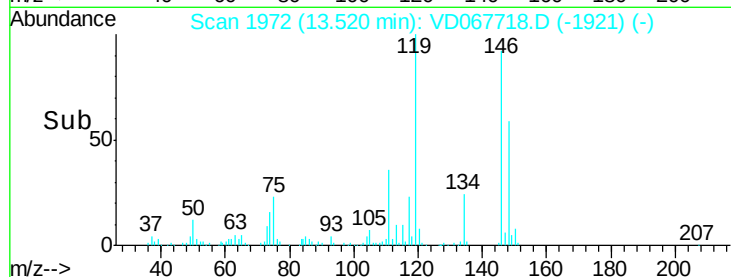
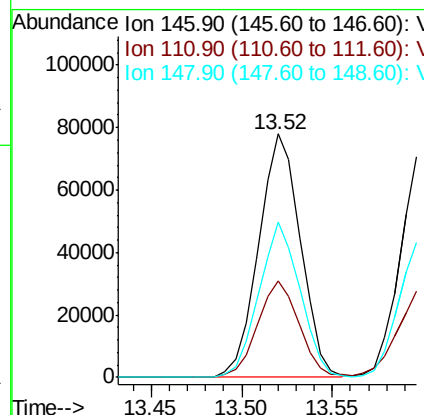
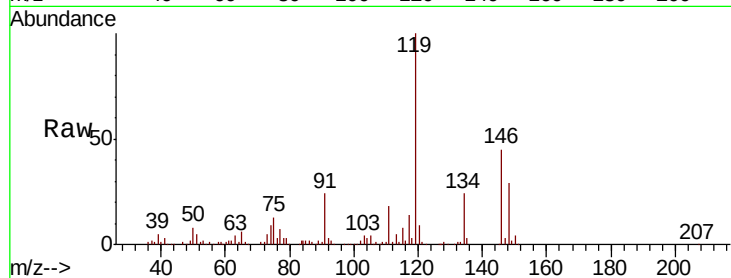
#87
 1,3-Dichlorobenzene
 Concen: 23.466 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	63.2	31.9	95.9

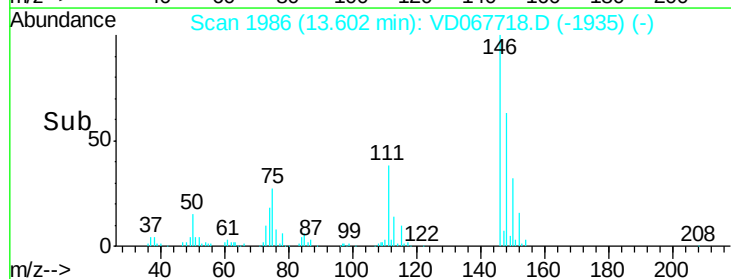
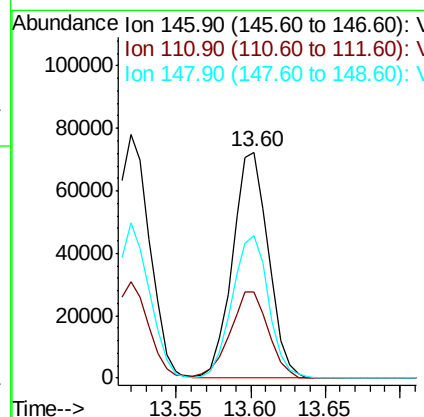
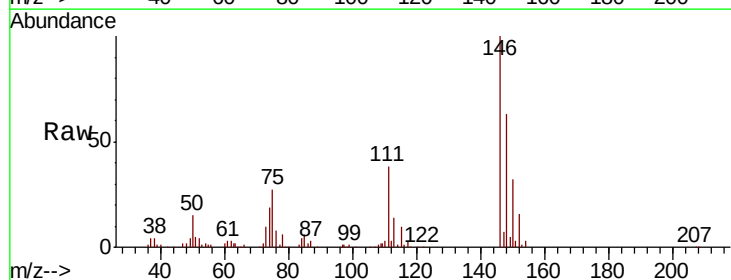
Manual Integrations
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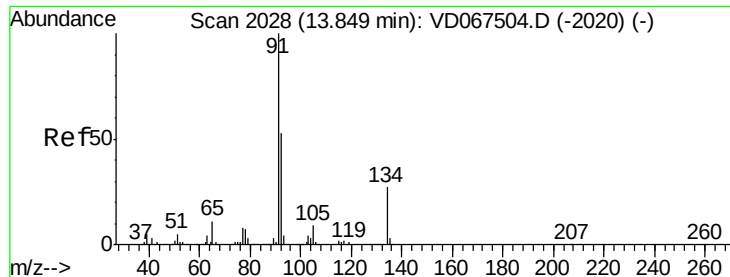
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#88
 1,4-Dichlorobenzene
 Concen: 22.570 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.6	58.7
148	64.4	31.8	95.4





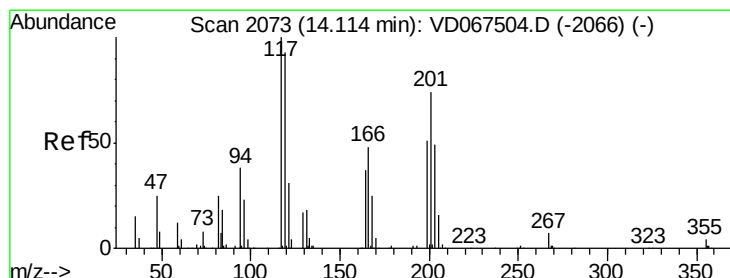
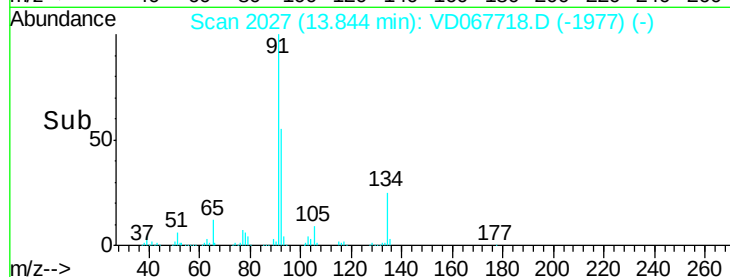
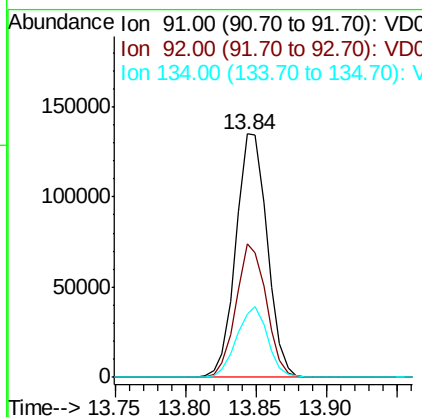
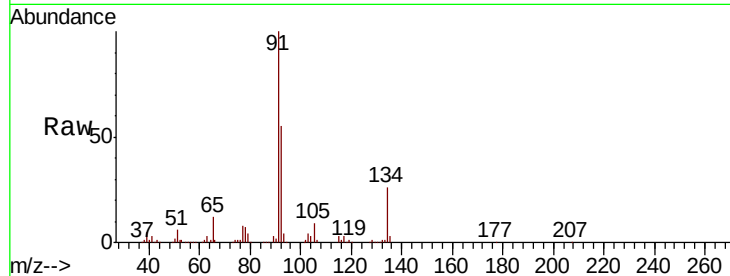
#89
n-Butylbenzene
Concen: 22.699 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	28.5	14.1	42.2

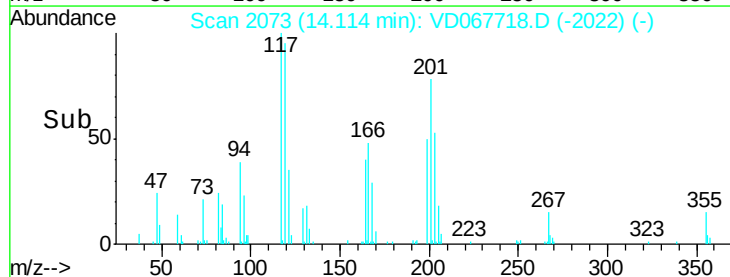
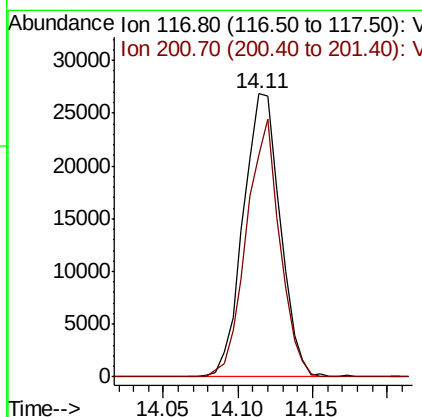
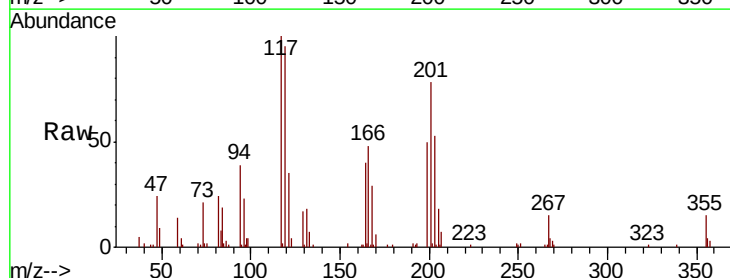
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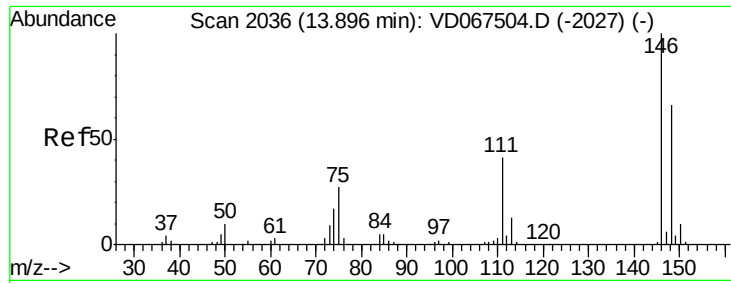
MMDadoda
11/23/2020 1:41:28 PM



#90
Hexachloroethane
Concen: 22.892 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067718.D
Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	40.7	122.1





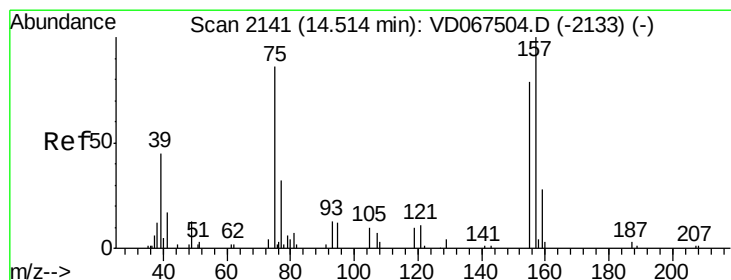
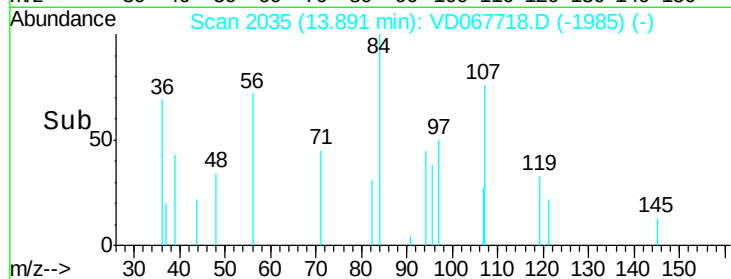
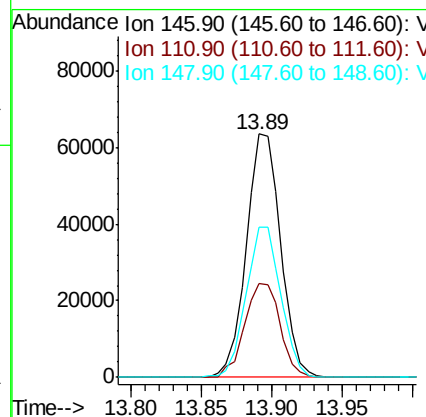
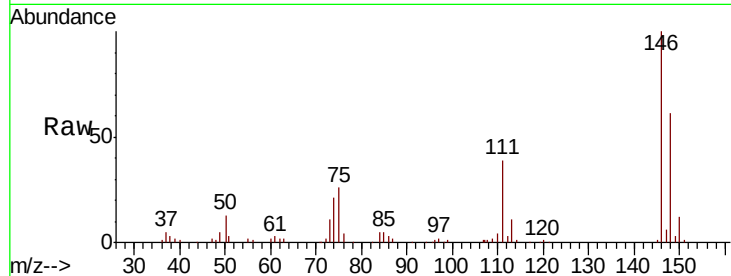
#91
 1,2-Dichlorobenzene
 Concen: 23.573 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.7	62.1
148	62.5	31.5	94.5

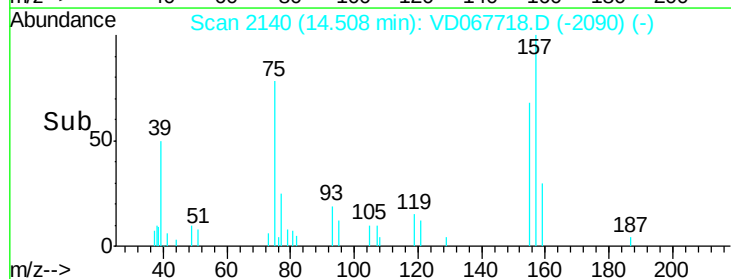
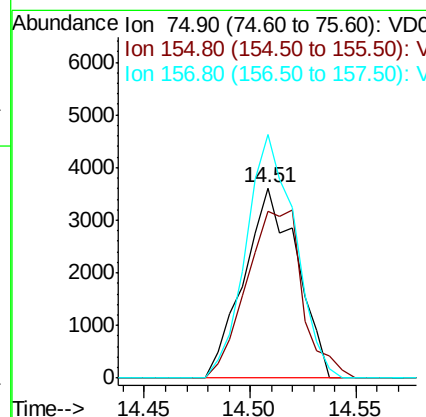
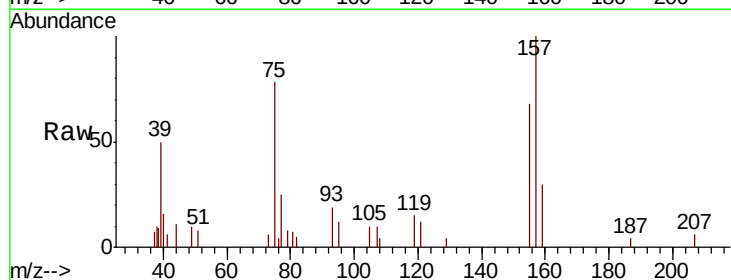
Manual Integrations
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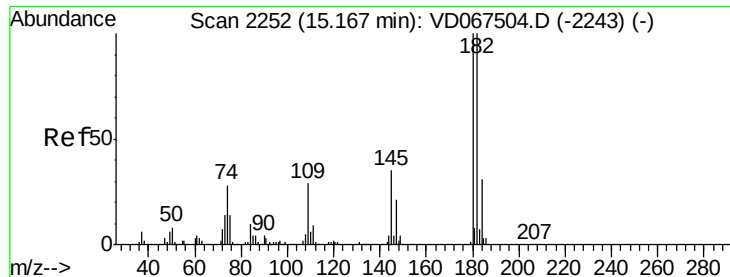
MMDadoda
 11/23/2020 1:41:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.076 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	46.6	139.8
157	118.1	58.1	174.2





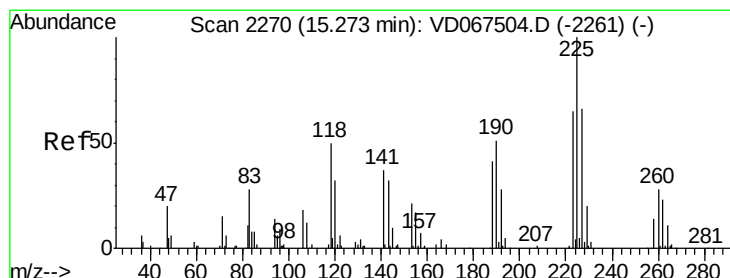
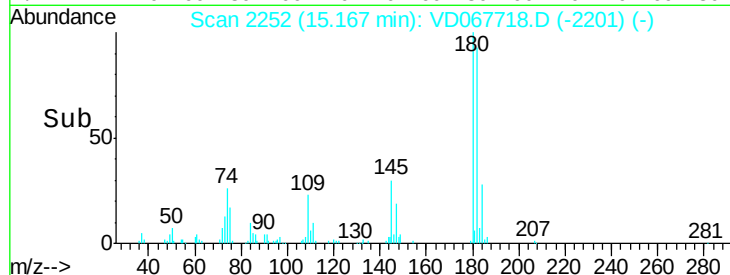
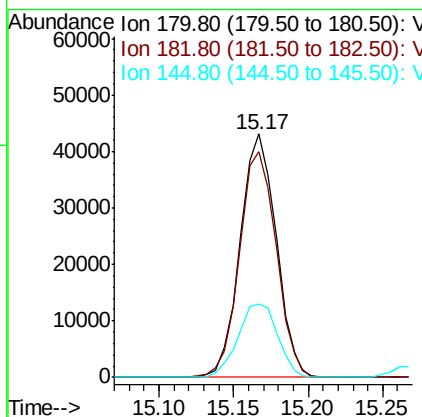
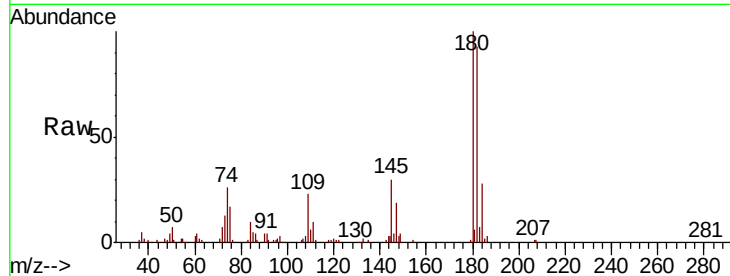
#93
 1,2,4-Trichlorobenzene
 Concen: 23.110 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72037		
182	94.8		47.4	142.3
145	33.1		16.2	48.6

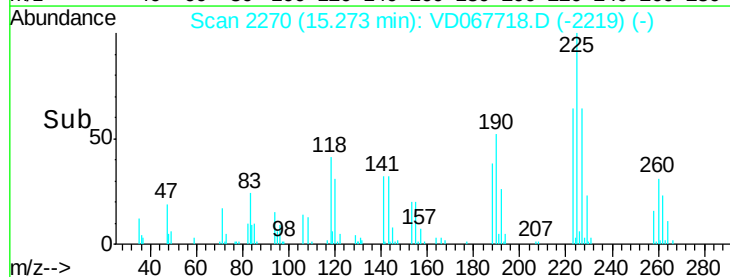
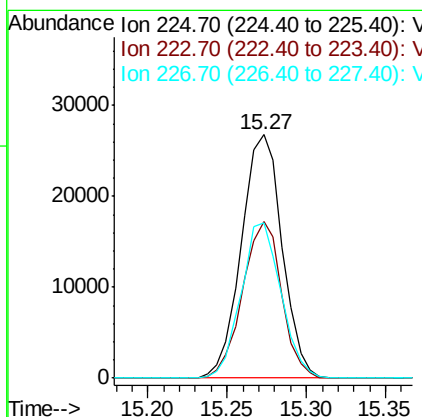
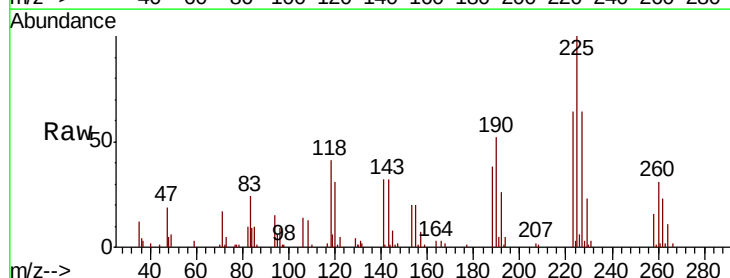
Manual Integrations
 APPROVED

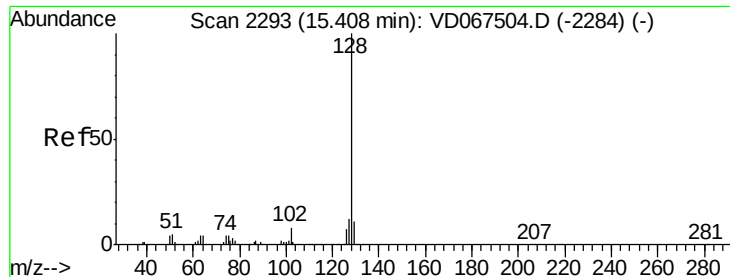
MMDadoda
 11/23/2020 1:41:28 PM



#94
 Hexachlorobutadiene
 Concen: 22.938 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067718.D
 Acq: 20 Nov 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47852		
223	61.5		31.9	95.5
227	62.6		32.5	97.4





#95

Naphthalene

Concen: 23.459 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Instrument :

MSVOA_D

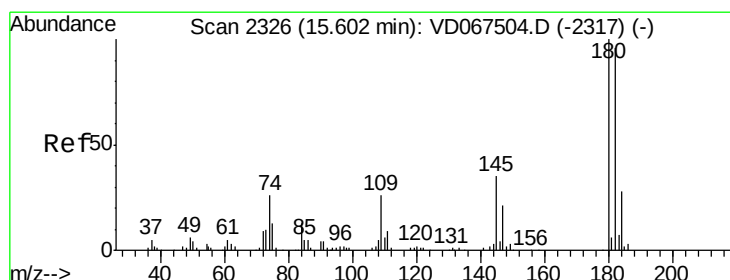
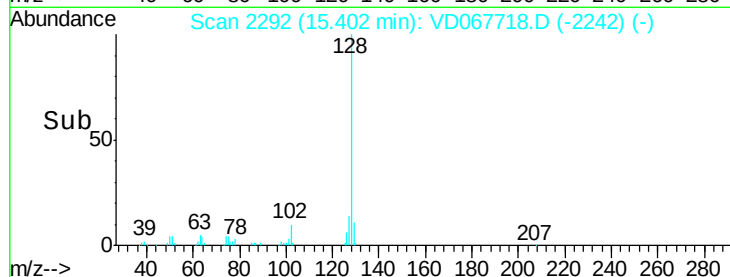
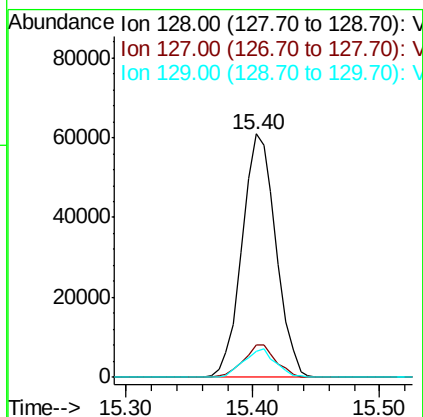
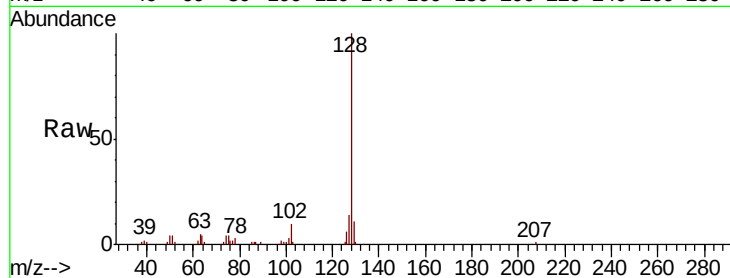
ClientSampleId :

VD1120SBS01

Tot Ion:	128	Resp:	112851
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/23/2020 1:41:28 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.906 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067718.D

Acq: 20 Nov 2020 12:14

Tgt Ion:	180	Resp:	61144
Ion Ratio		Lower	Upper
180	100		
182	98.7	46.9	140.8
145	35.5	17.1	51.2

