

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067745.D
 Acq On : 23 Nov 2020 14:59
 Operator : VA/SY
 Sample : VD1123SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Manual Integrations
 APPROVED

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 11/24/2020 2:56:39 PM

Quant Time: Nov 24 01:05:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	277885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	403475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	369769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	190174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	141939	52.53	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.06%
35) Dibromofluoromethane	7.91	113	130854	50.96	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.92%
50) Toluene-d8	10.34	98	485317	51.70	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.40%
62) 4-Bromofluorobenzene	12.64	95	168134	52.40	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	46553	19.251	ug/l 100
3) Chloromethane	2.21	50	30205	22.436	ug/l 94
4) Vinyl Chloride	2.35	62	33816	20.045	ug/l 100
5) Bromomethane	2.76	94	30341	21.110	ug/l 98
6) Chloroethane	2.92	64	22329	19.860	ug/l 97
7) Trichlorofluoromethane	3.27	101	106781	20.742	ug/l 91
8) Diethyl Ether	3.70	74	22414	21.565	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	50871	20.636	ug/l 97
10) Methyl Iodide	4.30	142	45243	17.931	ug/l 99
11) Tert butyl alcohol	5.21	59	20507m	123.211	ug/l
12) 1,1-Dichloroethene	4.07	96	46434	20.357	ug/l 93
13) Acrolein	3.93	56	11384	101.650	ug/l 91
14) Allyl chloride	4.71	41	44584	20.220	ug/l 95
15) Acrylonitrile	5.42	53	36586	101.065	ug/l 97
16) Acetone	4.16	43	34927	100.062	ug/l 96
17) Carbon Disulfide	4.41	76	137082	20.778	ug/l 97
18) Methyl Acetate	4.72	43	13853	19.727	ug/l 99
19) Methyl tert-butyl Ether	5.48	73	100908	20.699	ug/l 99
20) Methylene Chloride	4.96	84	60267	18.210	ug/l 95
21) trans-1,2-Dichloroethene	5.47	96	55596	21.438	ug/l 93
22) Diisopropyl ether	6.37	45	97604	22.425	ug/l 93
23) Vinyl Acetate	6.31	43	260783	106.216	ug/l 94
24) 1,1-Dichloroethane	6.26	63	80181	21.728	ug/l 97
25) 2-Butanone	7.21	43	41995	107.215	ug/l 90
26) 2,2-Dichloropropane	7.21	77	90362	20.757	ug/l 97
27) cis-1,2-Dichloroethene	7.21	96	57054	20.640	ug/l 97
28) Bromochloromethane	7.55	49	24629	20.836	ug/l 97
29) Tetrahydrofuran	7.56	42	23220	104.266	ug/l 95
30) Chloroform	7.71	83	101186	20.969	ug/l 94
31) Cyclohexane	7.99	56	67608	20.680	ug/l 90
32) 1,1,1-Trichloroethane	7.91	97	104293	20.408	ug/l 98
36) 1,1-Dichloropropene	8.12	75	71877	20.760	ug/l 100
37) Ethyl Acetate	7.29	43	19592	21.045	ug/l 97
38) Carbon Tetrachloride	8.10	117	100573	20.040	ug/l 94

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Manual Integrations
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MMDadoda
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Quant Time: Nov 24 01:05:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	84228	20.557	ug/l	97
40) Benzene	8.36	78	195693	20.580	ug/l	97
41) Methacrylonitrile	7.53	41	8862	18.641	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	64815	20.089	ug/l	100
43) Isopropyl Acetate	8.46	43	38797	20.868	ug/l	97
44) Trichloroethene	9.11	130	64646	20.512	ug/l	96
45) 1,2-Dichloropropane	9.38	63	41748	21.397	ug/l	93
46) Dibromomethane	9.48	93	26765	20.149	ug/l	97
47) Bromodichloromethane	9.67	83	77353	20.912	ug/l	94
48) Methyl methacrylate	9.46	41	17566	18.899	ug/l	96
49) 1,4-Dioxane	9.46	88	5987	415.884	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	89067	101.809	ug/l	99
52) Toluene	10.41	92	137449	21.307	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	67747	20.963	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	76142	20.819	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	35784	20.077	ug/l	95
56) Ethyl methacrylate	10.66	69	38246	20.726	ug/l	96
57) 1,3-Dichloropropane	10.95	76	57958	20.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	83135	96.421	ug/l	96
59) 2-Hexanone	10.99	43	60500	97.949	ug/l	99
60) Dibromochloromethane	11.14	129	55835	20.558	ug/l	99
61) 1,2-Dibromoethane	11.25	107	36196	20.611	ug/l	98
64) Tetrachloroethene	10.88	164	57738	20.118	ug/l	88
65) Chlorobenzene	11.67	112	149944	20.632	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	62056	21.109	ug/l	98
67) Ethyl Benzene	11.75	91	261468	20.840	ug/l	99
68) m/p-Xylenes	11.86	106	206717	42.339	ug/l	100
69) o-Xylene	12.18	106	93601	21.056	ug/l	96
70) Styrene	12.20	104	161386	21.314	ug/l	99
71) Bromoform	12.36	173	32719	20.502	ug/l #	99
73) Isopropylbenzene	12.48	105	263031	21.021	ug/l	100
74) N-amyl acetate	12.29	43	34165	20.705	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	34967	20.823	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	29745m	22.442	ug/l	
77) Bromobenzene	12.77	156	65255	20.833	ug/l	97
78) n-propylbenzene	12.83	91	297301	21.356	ug/l	99
79) 2-Chlorotoluene	12.91	91	168386	20.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	229660	21.102	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	11654	20.565	ug/l	98
82) 4-Chlorotoluene	13.01	91	183485	20.893	ug/l	100
83) tert-Butylbenzene	13.23	119	188901	20.199	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	229652	21.124	ug/l	99
85) sec-Butylbenzene	13.40	105	257777	20.982	ug/l	100
86) p-Isopropyltoluene	13.52	119	251000	21.093	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	127911	21.101	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	123866	20.627	ug/l	98
89) n-Butylbenzene	13.84	91	210675	20.660	ug/l	100
90) Hexachloroethane	14.11	117	46790	20.655	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	108599	20.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6412	17.711	ug/l	83

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ClientSampleId :
VD1123SBS01

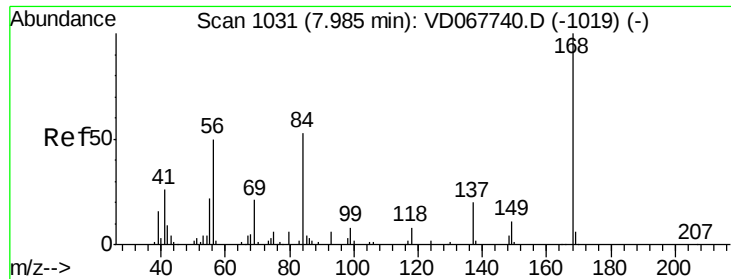
Manual Integrations
APPROVED

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11/24/2020 2:56:39 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	75337	20.375	ug/l	99
94) Hexachlorobutadiene	15.27	225	47537	20.122	ug/l	98
95) Naphthalene	15.40	128	119605	19.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	64901	20.607	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion:168 Resp: 277885

Ion Ratio Lower Upper

168 100

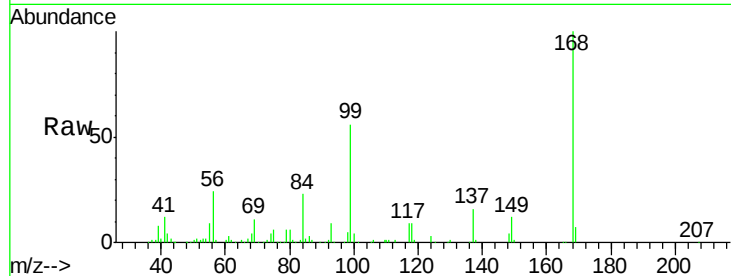
99 55.9 43.8 65.8

Manual Integrations

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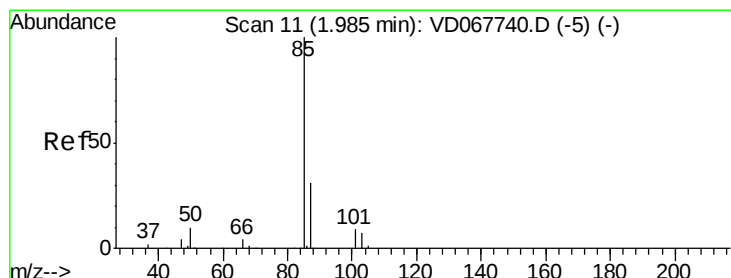
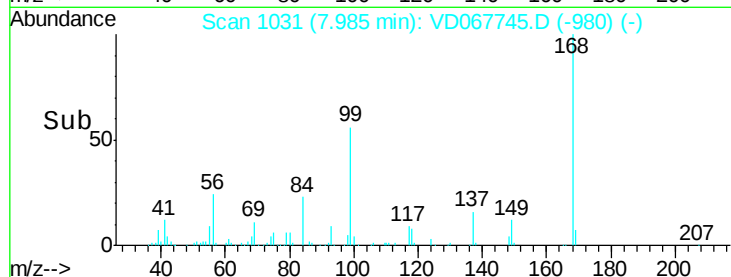
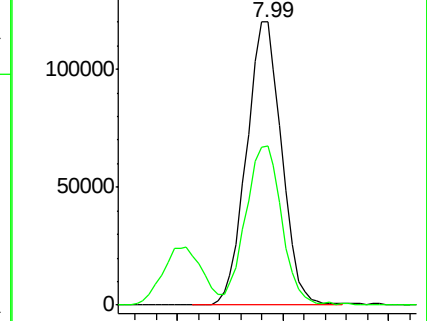
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.251 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067745.D

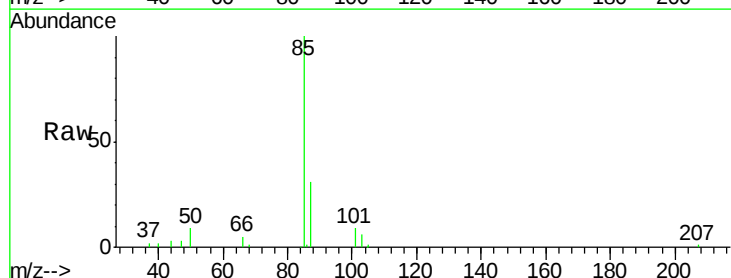
Acq: 23 Nov 2020 14:59

Tgt Ion: 85 Resp: 46553

Ion Ratio Lower Upper

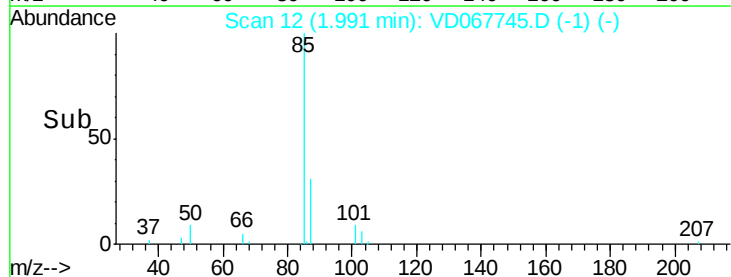
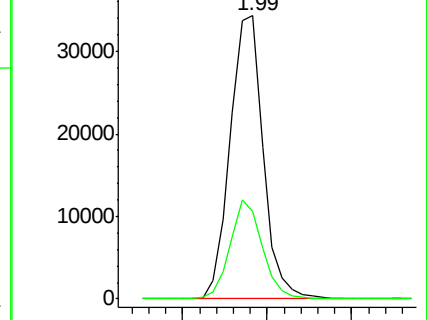
85 100

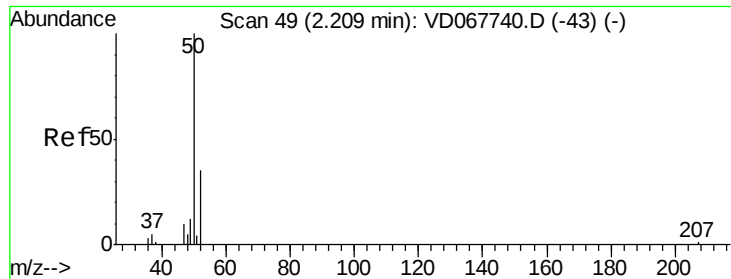
87 31.1 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.436 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 50 Resp: 30205

Ion Ratio Lower Upper

50 100

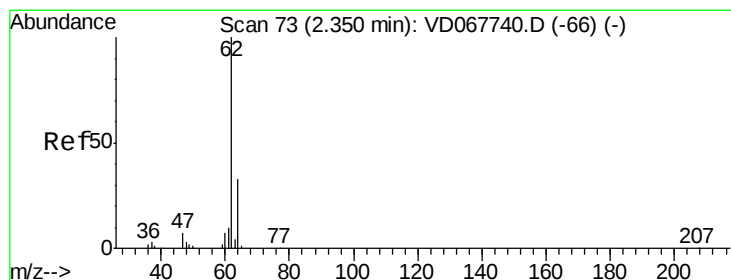
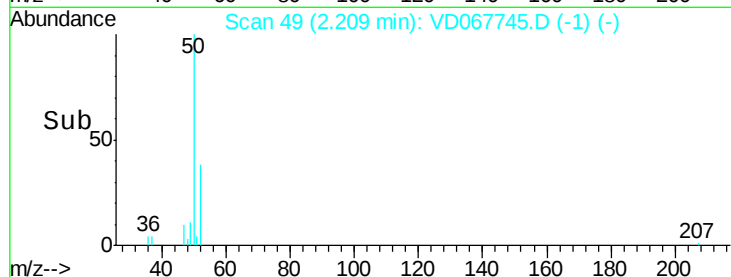
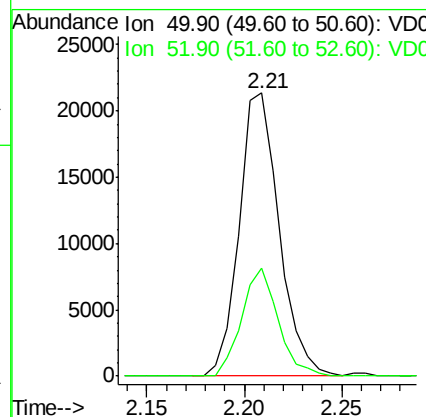
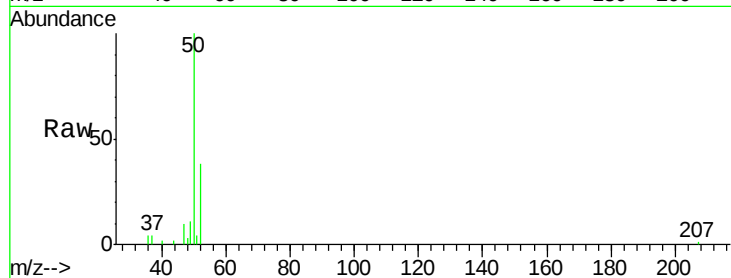
52 38.3 27.8 41.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.045 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067745.D

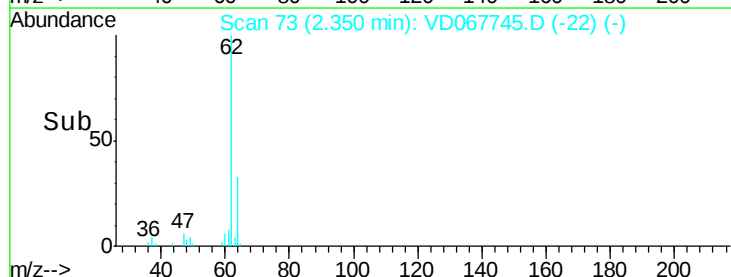
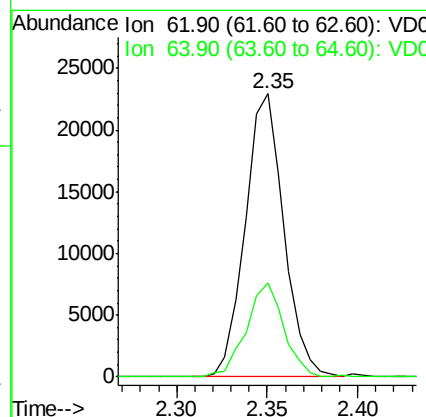
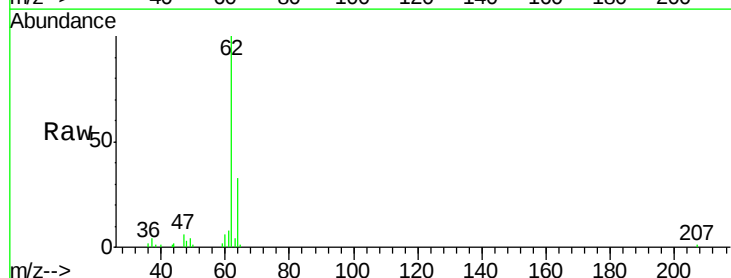
Acq: 23 Nov 2020 14:59

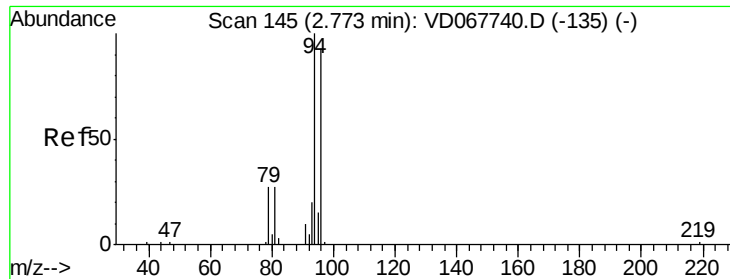
Tgt Ion: 62 Resp: 33816

Ion Ratio Lower Upper

62 100

64 33.1 26.6 40.0





#5

Bromomethane

Concen: 21.110 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 94 Resp: 30341

Ion Ratio Lower Upper

94 100

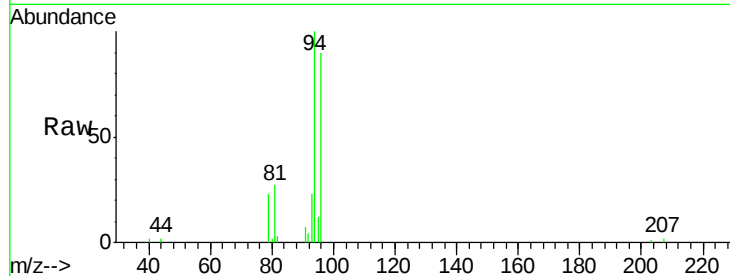
96 90.2 74.0 111.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

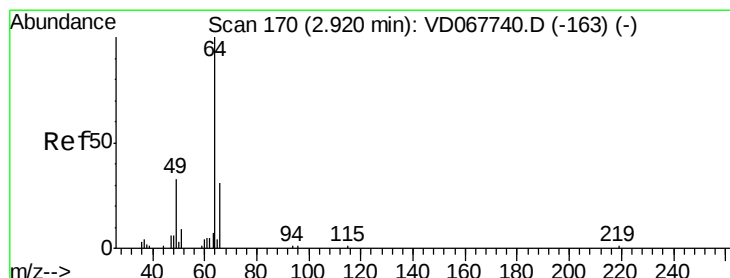
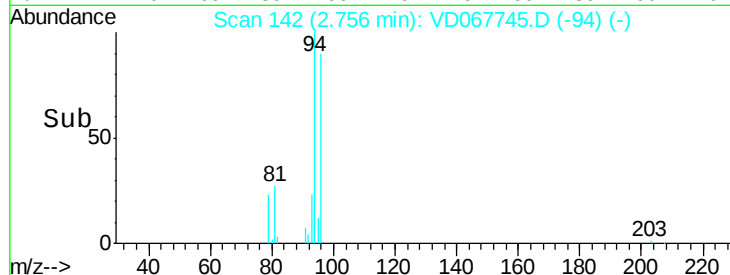
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.860 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067745.D

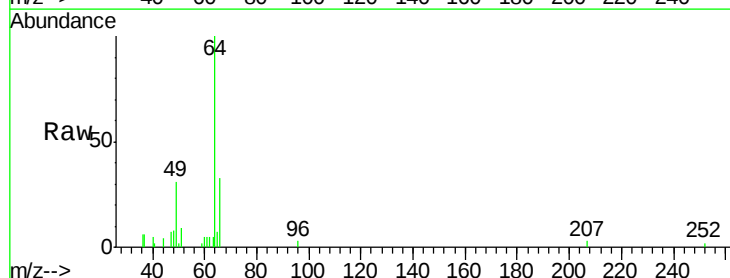
Acq: 23 Nov 2020 14:59

Tgt Ion: 64 Resp: 22329

Ion Ratio Lower Upper

64 100

66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

12000

10000

8000

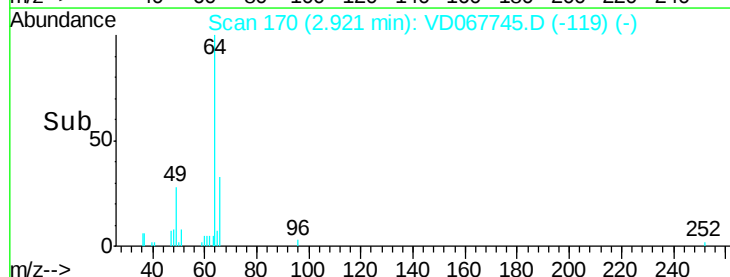
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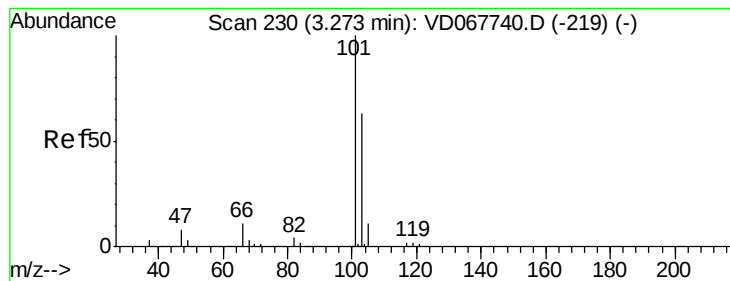
4000

2000

0

Time-->





#7

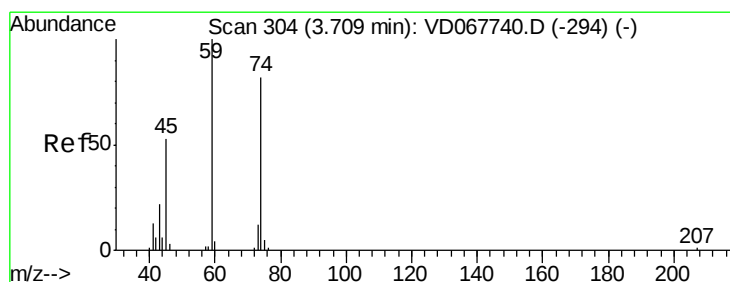
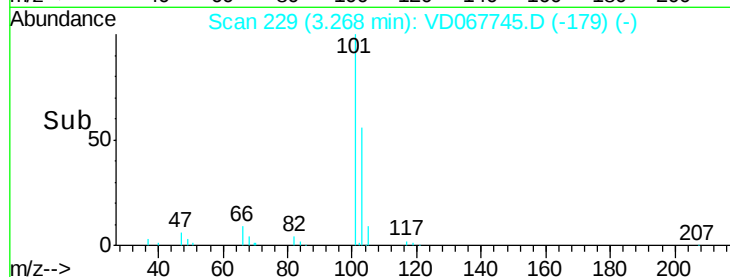
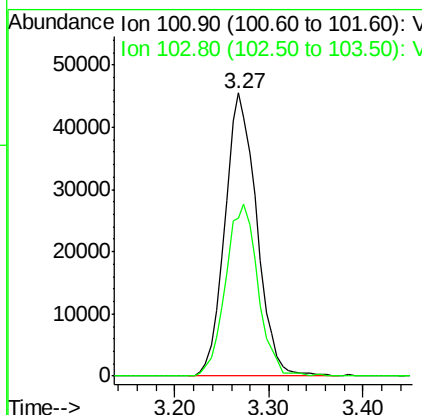
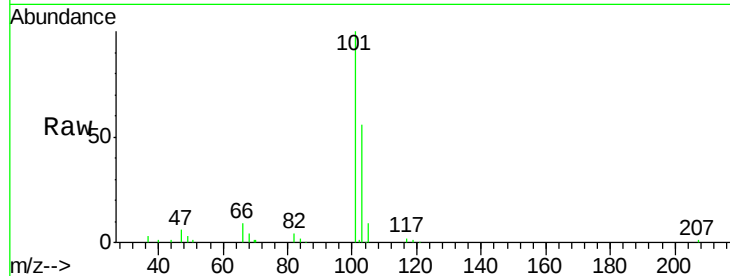
Trichlorofluoromethane
 Concen: 20.742 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
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 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	55.9	50.3	75.5

Manual Integrations
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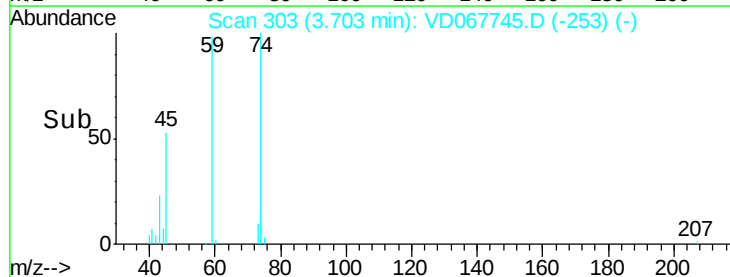
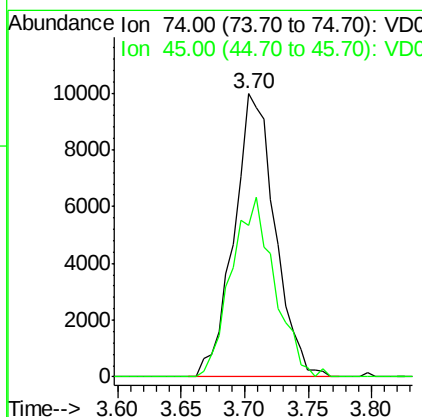
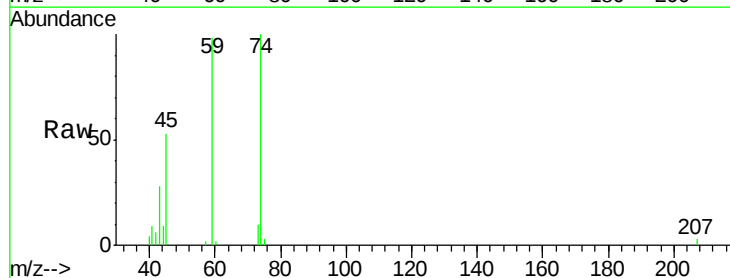
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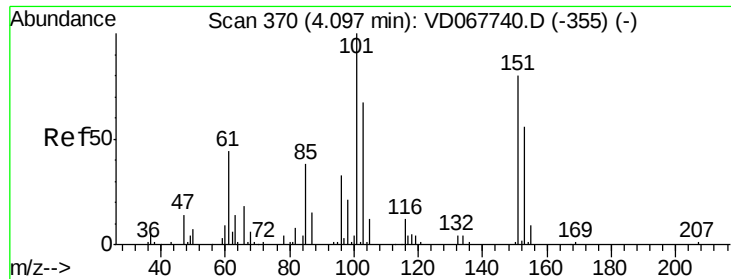


#8

Diethyl Ether
 Concen: 21.565 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	67.0	35.9	107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.636 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

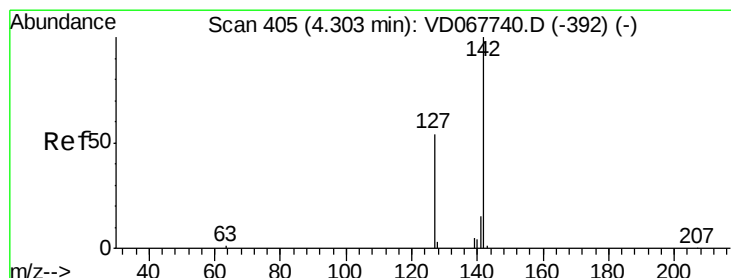
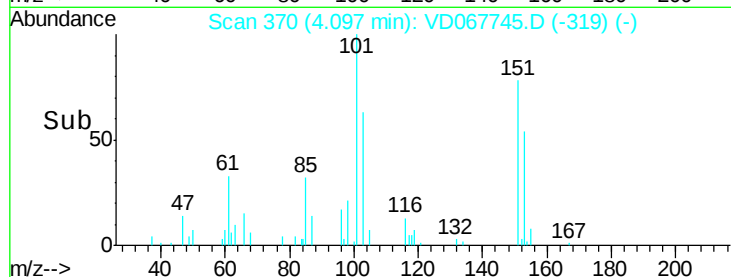
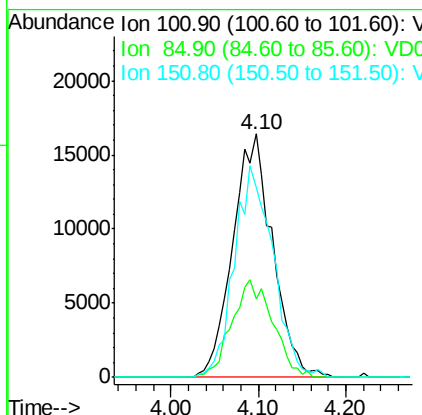
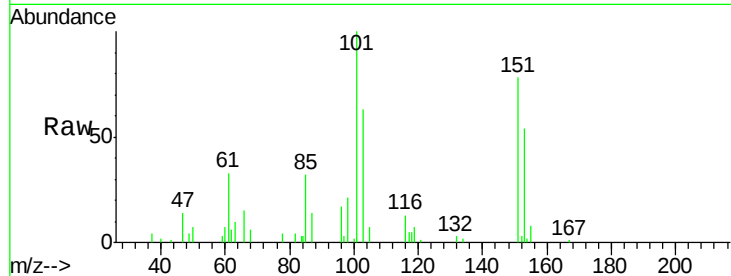
ClientSampleId :

VD1123SBS01

Tot Ion:	101	Resp:	50871
Ion Ratio	Lower	Upper	
101	100		
85	41.1	35.5	53.3
151	84.5	69.4	104.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.931 ug/l

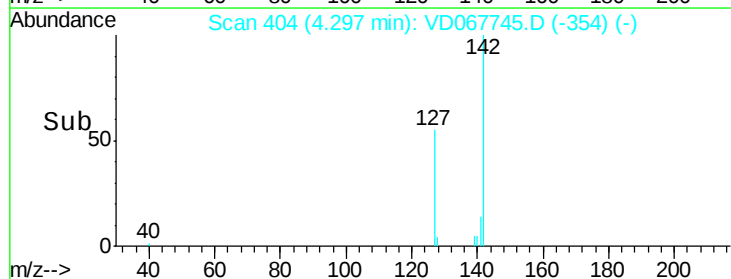
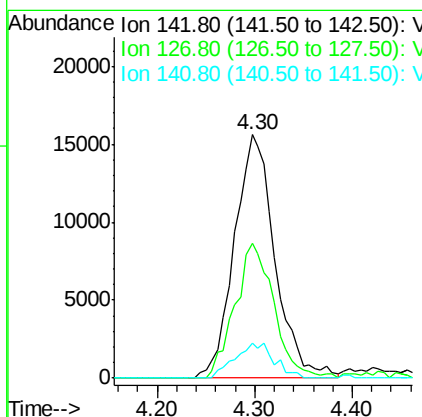
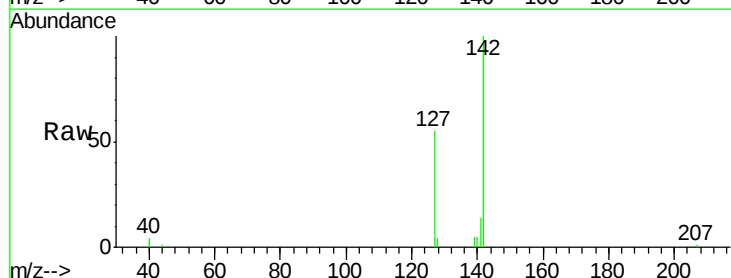
RT: 4.30 min Scan# 404

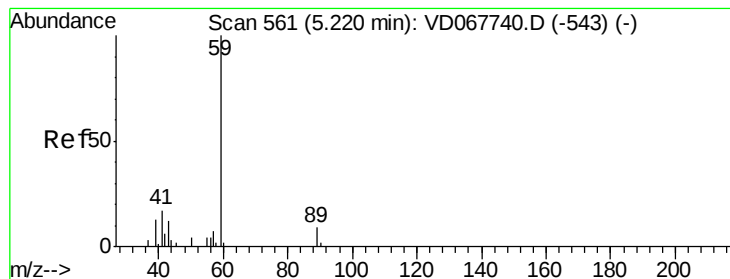
Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Tgt Ion:	142	Resp:	45243
Ion Ratio	Lower	Upper	
142	100		
127	53.3	42.2	63.2
141	13.8	11.8	17.6





#11

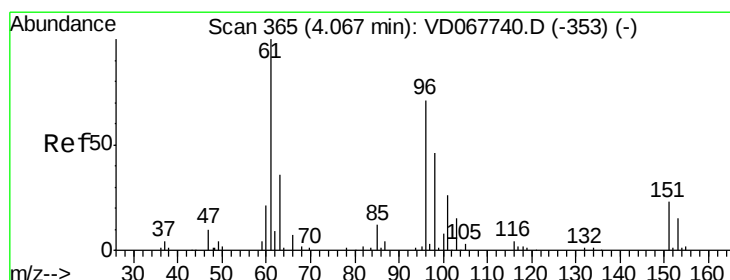
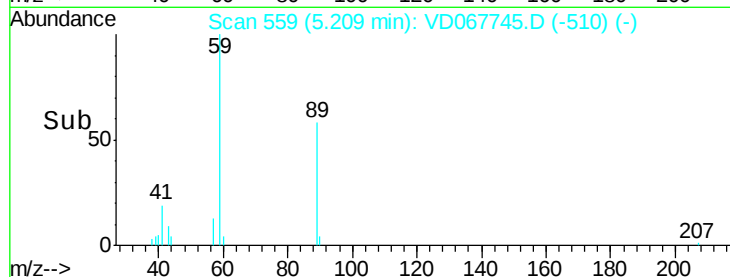
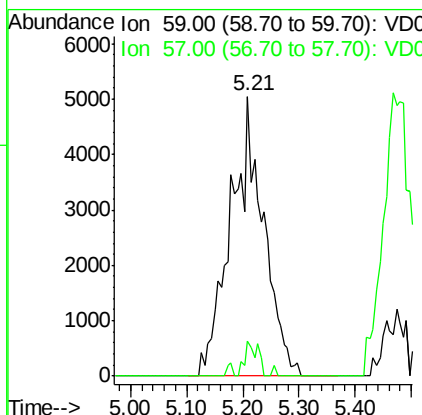
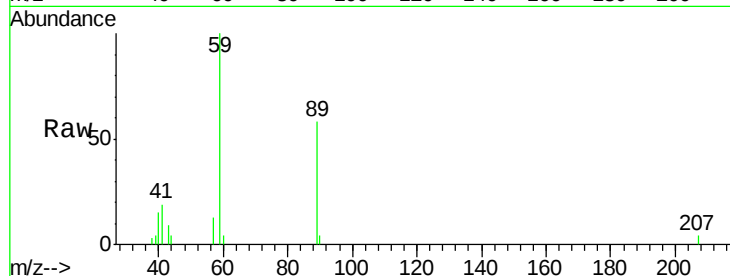
Tert butyl alcohol
 Concen: 123.211 ug/l m
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	3.4	5.0

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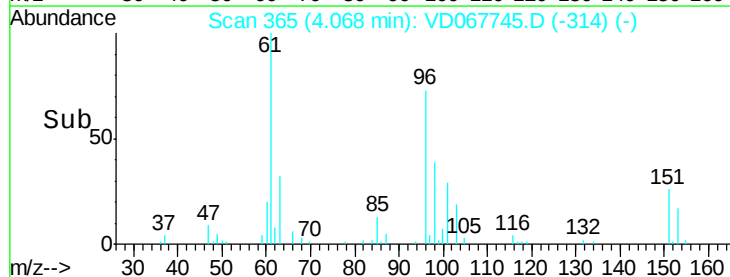
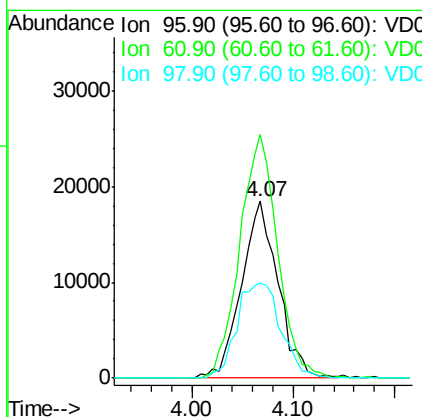
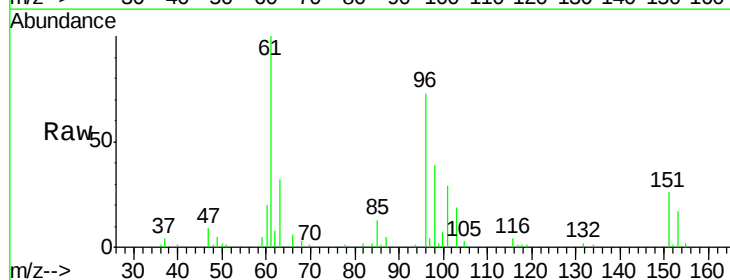
MMDadoda
 11/24/2020 2:56:39 PM

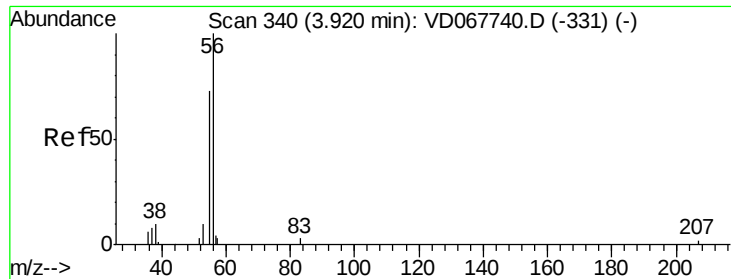


#12

1,1-Dichloroethene
 Concen: 20.357 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.6	112.9	169.3
98	53.5	52.4	78.6





#13

Acrolein

Concen: 101.650 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 56 Resp: 11384

Ion Ratio Lower Upper

56 100

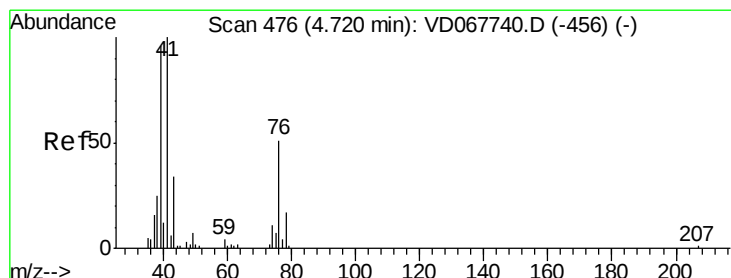
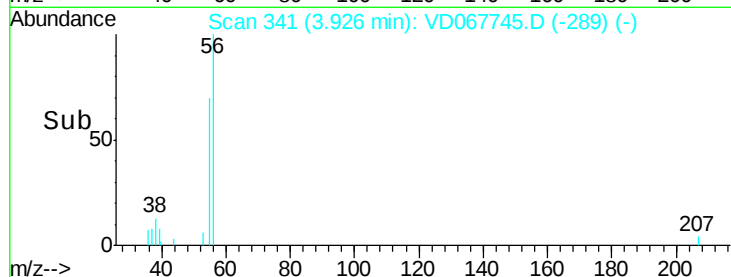
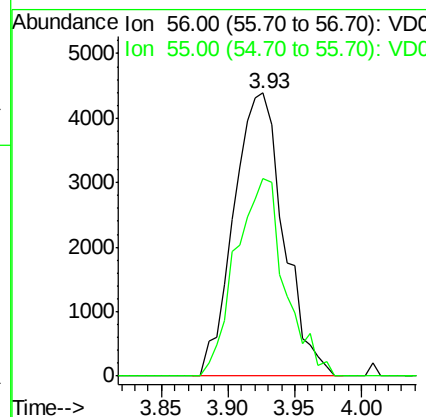
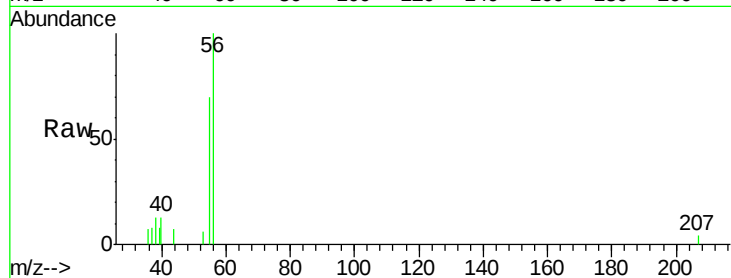
55 68.6 61.2 91.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.220 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

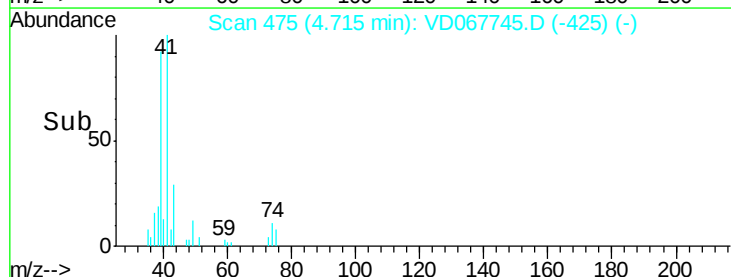
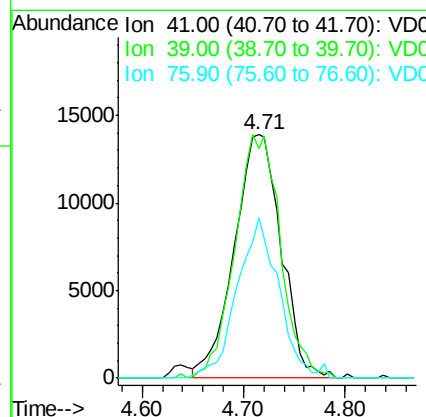
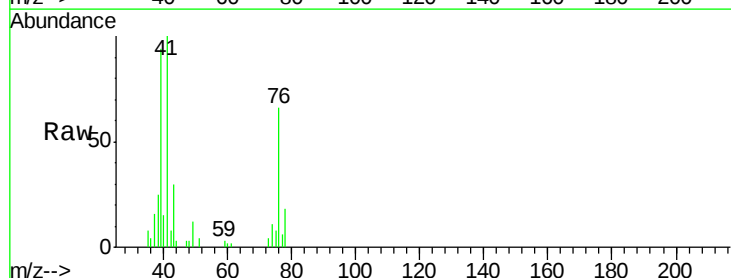
Tgt Ion: 41 Resp: 44584

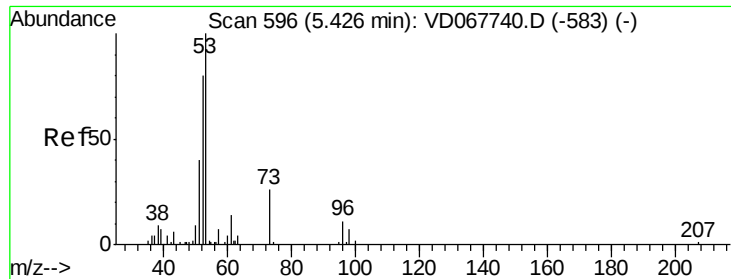
Ion Ratio Lower Upper

41 100

39 97.1 74.6 111.8

76 58.2 43.3 64.9





#15

Acrylonitrile

Concen: 101.065 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

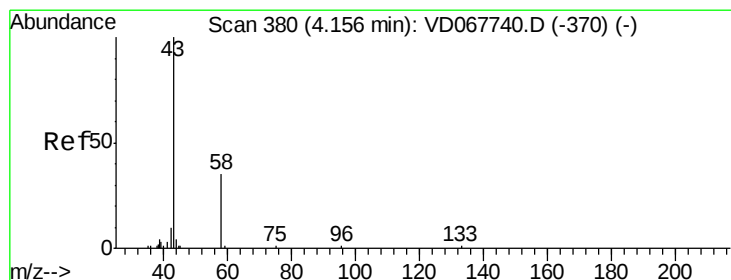
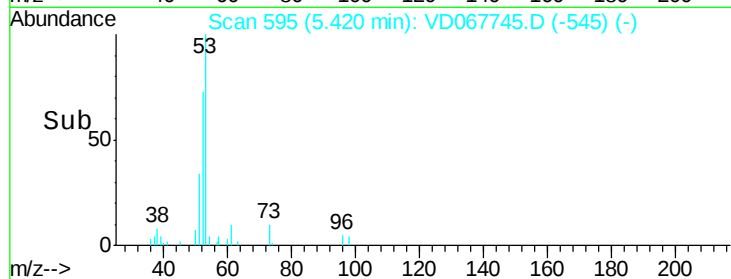
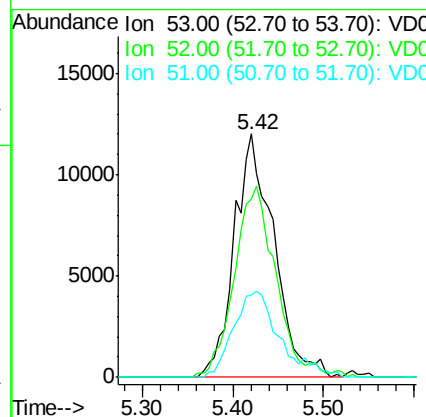
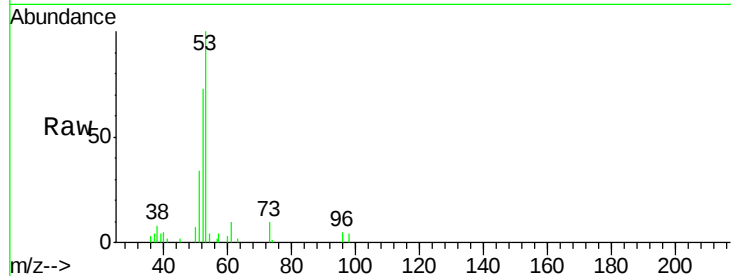
ClientSampleId :

VD1123SBS01

Tot Ion:	53	Resp:	36586
Ion	Ratio	Lower	Upper
53	100		
52	82.0	63.4	95.2
51	40.8	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 100.062 ug/l

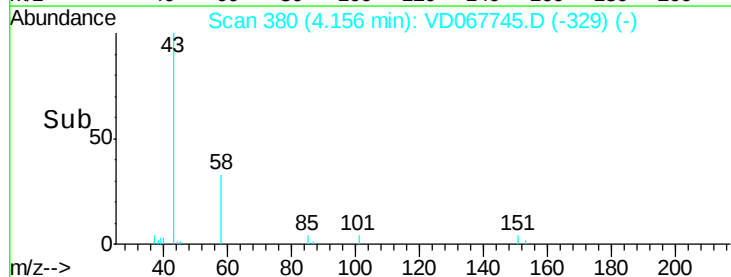
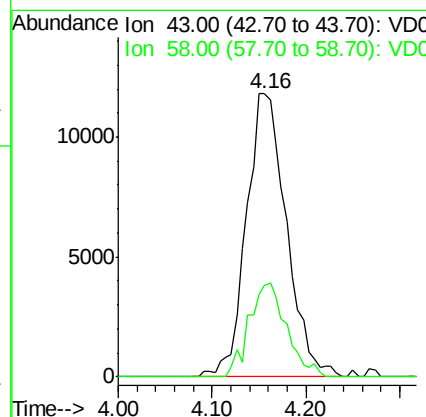
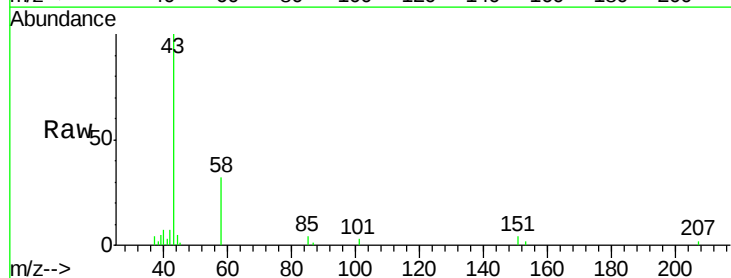
RT: 4.16 min Scan# 380

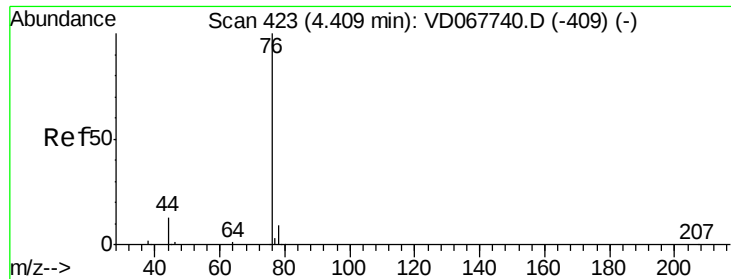
Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Tgt Ion:	43	Resp:	34927
Ion	Ratio	Lower	Upper
43	100		
58	32.2	27.6	41.4





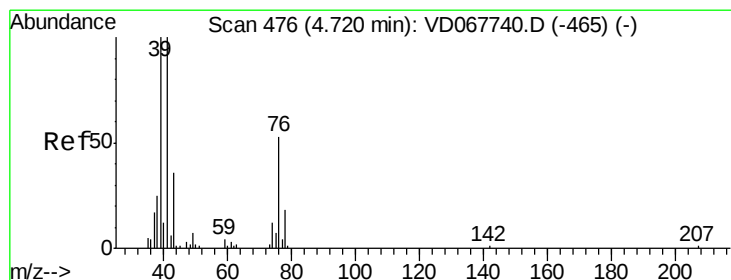
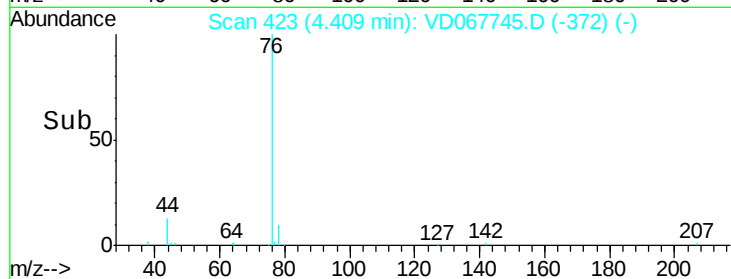
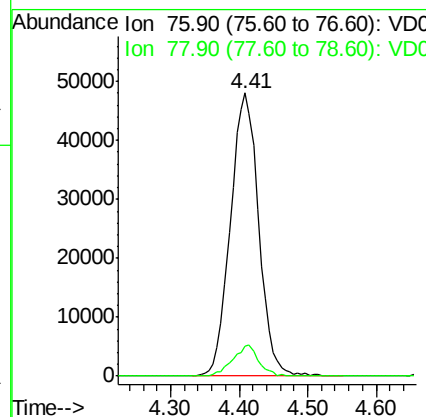
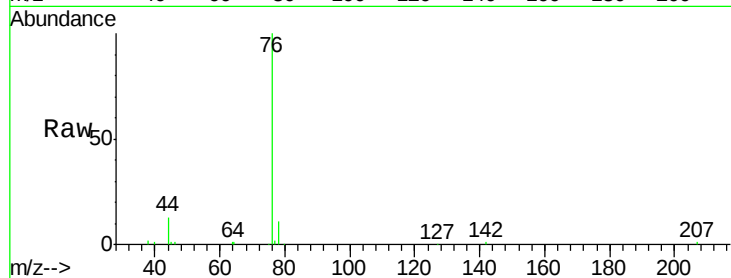
#17
Carbon Disulfide
Concen: 20.778 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.5	11.3

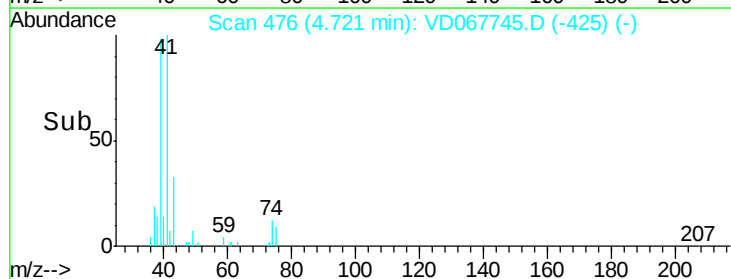
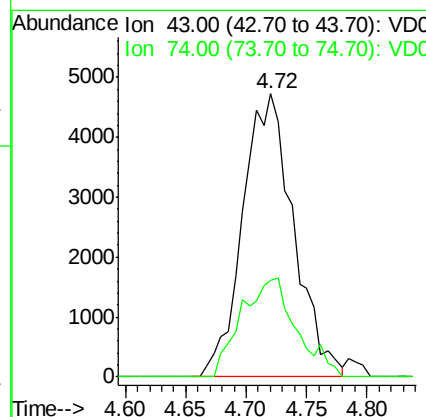
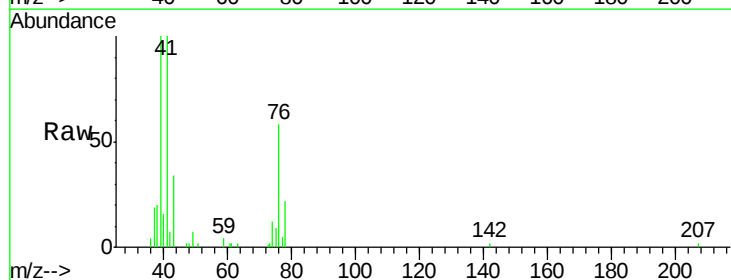
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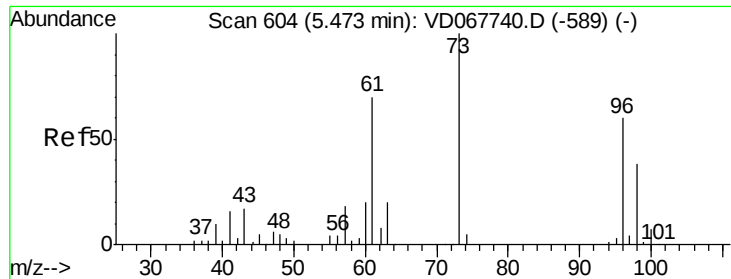
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#18
Methyl Acetate
Concen: 19.727 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	37.6	29.7	44.5





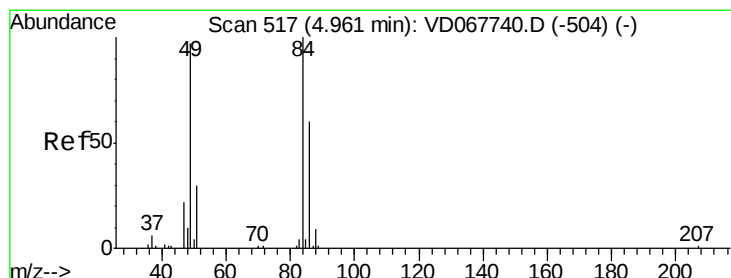
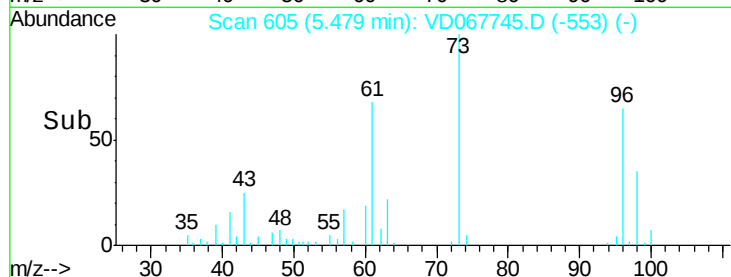
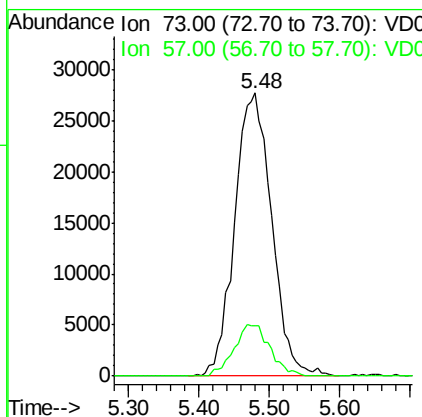
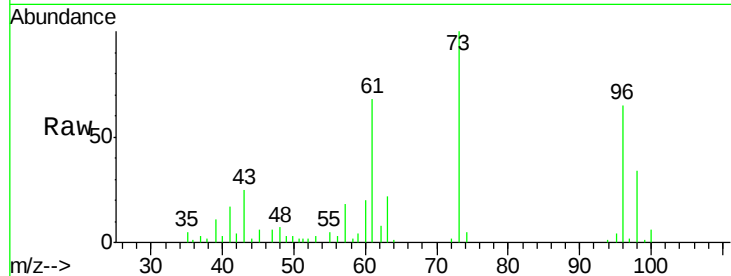
#19
Methvl tert-butvl Ether
Concen: 20.699 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion: 73 Resp: 100908
Ion Ratio Lower Upper
73 100
57 17.9 14.8 22.2

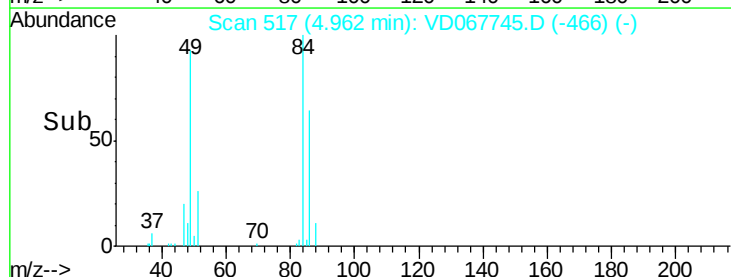
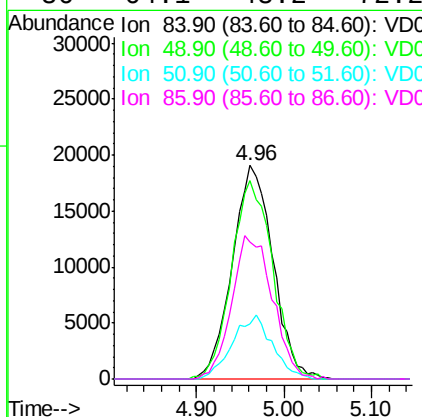
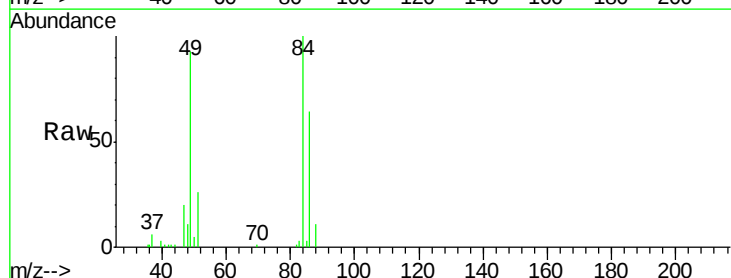
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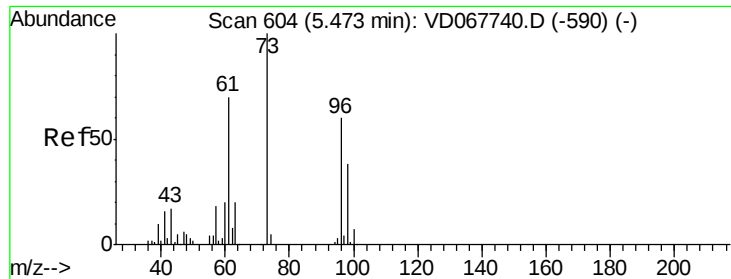
MMDadoda
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#20
Methylene Chloride
Concen: 18.210 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 84 Resp: 60267
Ion Ratio Lower Upper
84 100
49 93.1 77.4 116.2
51 25.6 24.1 36.1
86 64.1 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 21.438 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

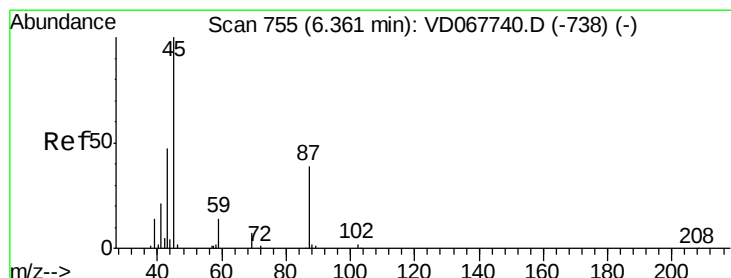
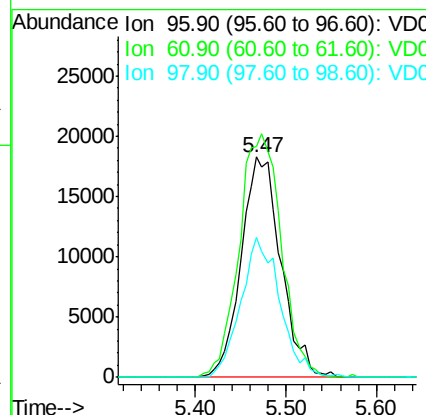
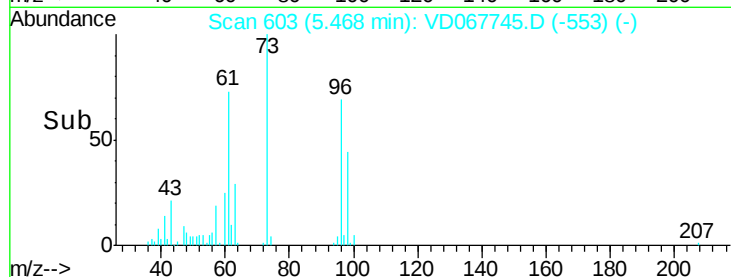
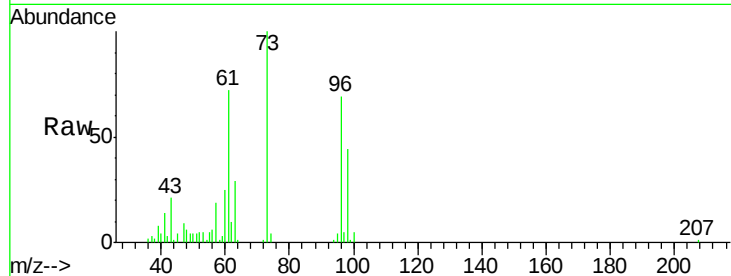
ClientSampleId :

VD1123SBS01

Tot Ion:	96	Resp:	55596
Ion	Ratio	Lower	Upper
96	100		
61	105.0	94.0	141.0
98	63.8	51.3	76.9

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#22

Diisopropyl ether

Concen: 22.425 ug/l

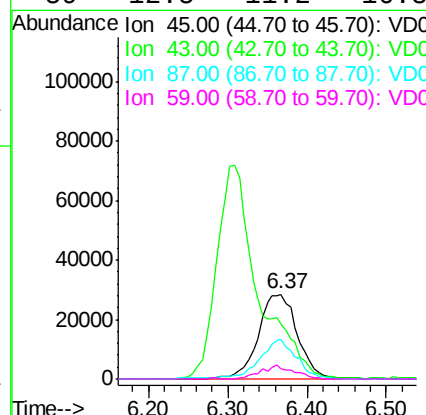
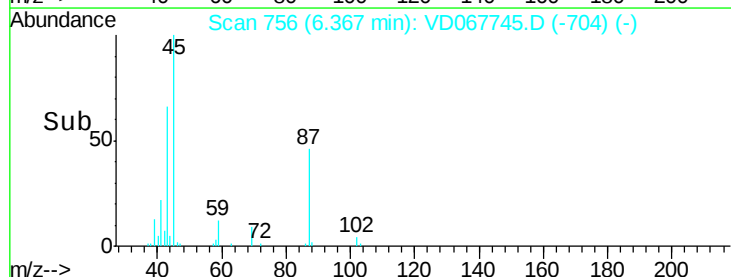
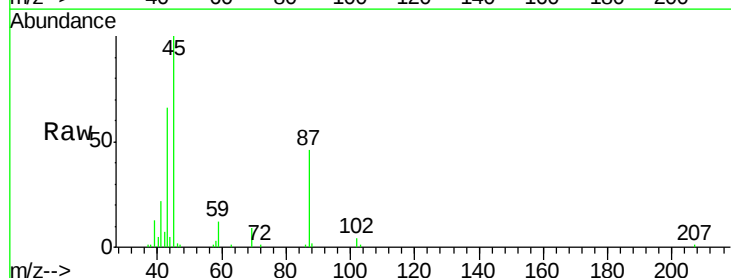
RT: 6.37 min Scan# 756

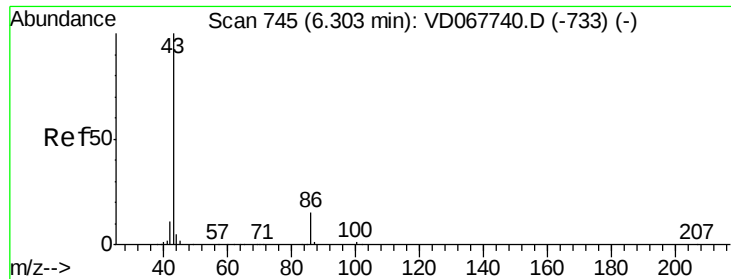
Delta R.T. 0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Tgt Ion:	45	Resp:	97604
Ion	Ratio	Lower	Upper
45	100		
43	63.8	46.8	70.2
87	45.8	32.9	49.3
59	12.5	11.2	16.8





#23

Vinyl Acetate

Concen: 106.216 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 43 Resp: 260783

Ion Ratio Lower Upper

43 100

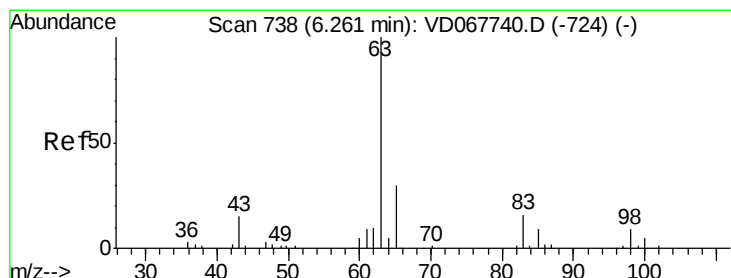
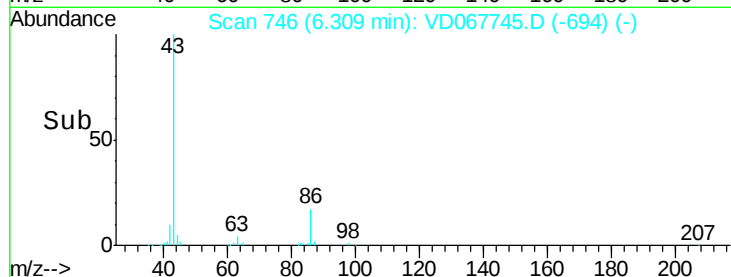
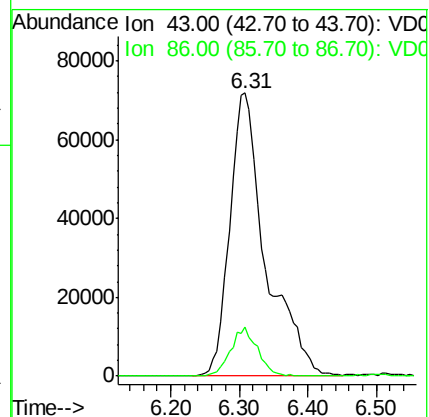
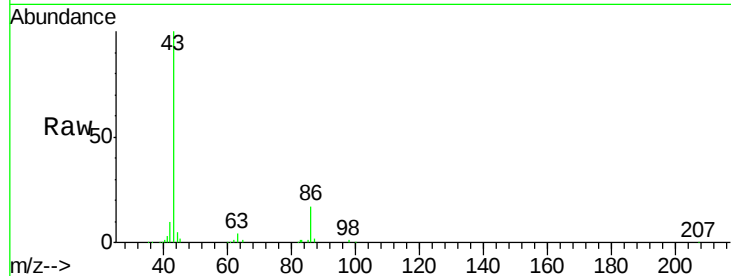
86 17.2 11.7 17.5

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#24

1,1-Dichloroethane

Concen: 21.728 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

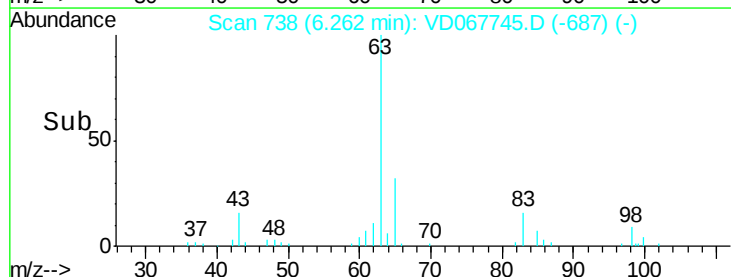
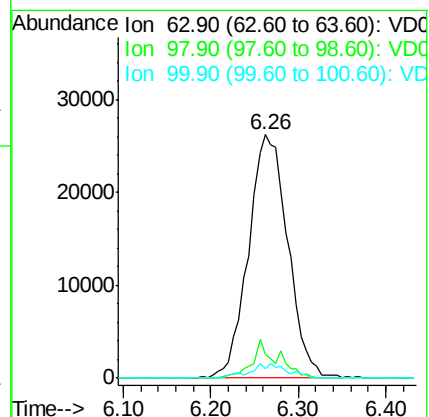
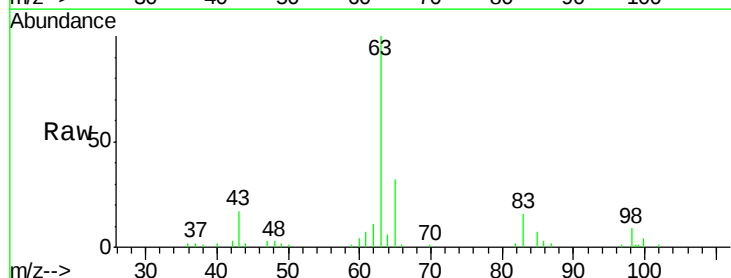
Tgt Ion: 63 Resp: 80181

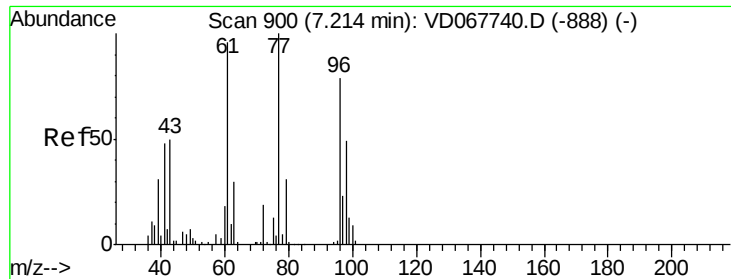
Ion Ratio Lower Upper

63 100

98 9.4 4.4 13.2

100 3.9 2.6 8.0





#25

2-Butanone

Concen: 107.215 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 43 Resp: 41995

Ion Ratio Lower Upper

43 100

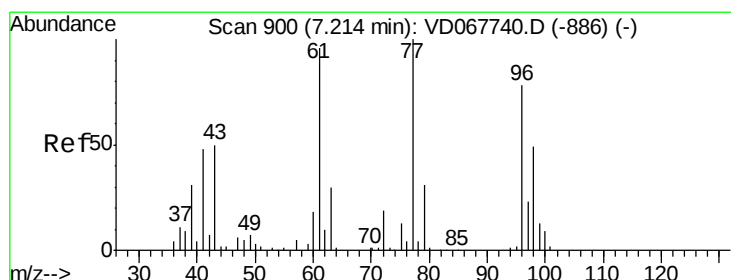
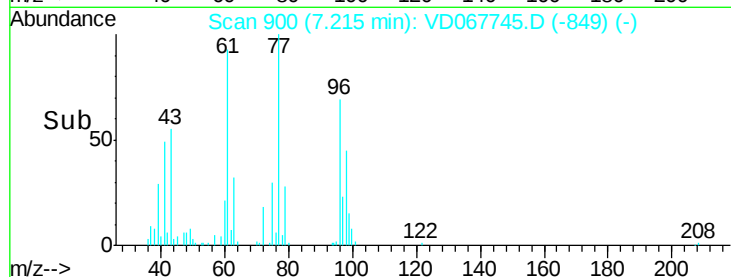
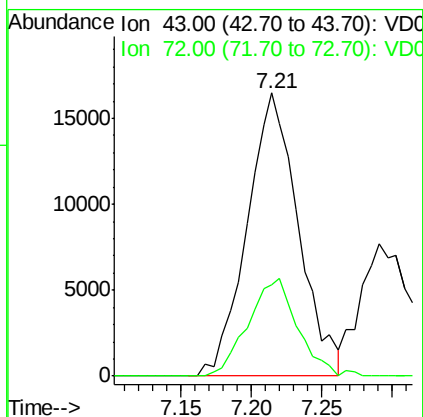
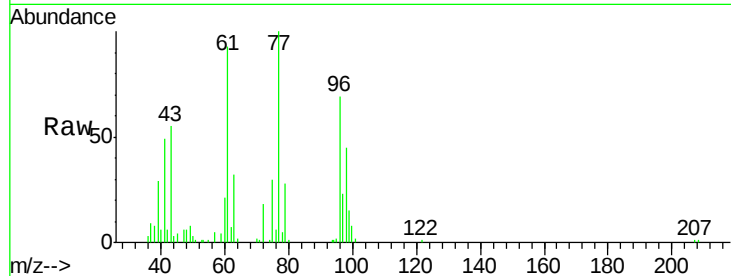
72 32.2 30.8 46.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.757 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067745.D

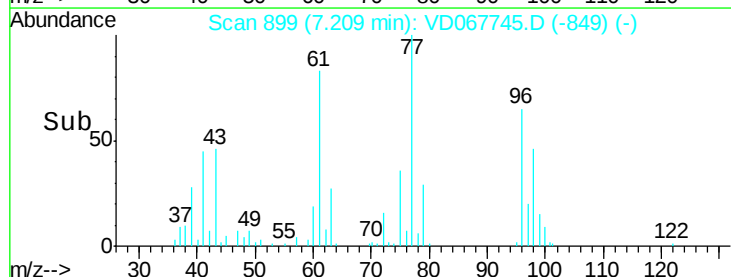
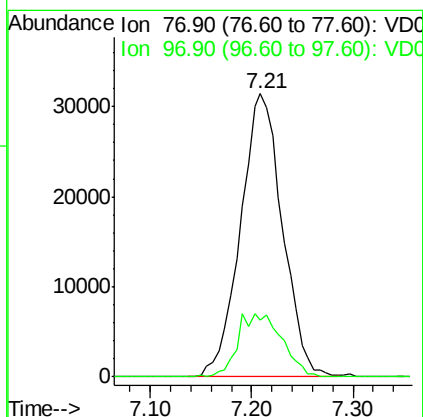
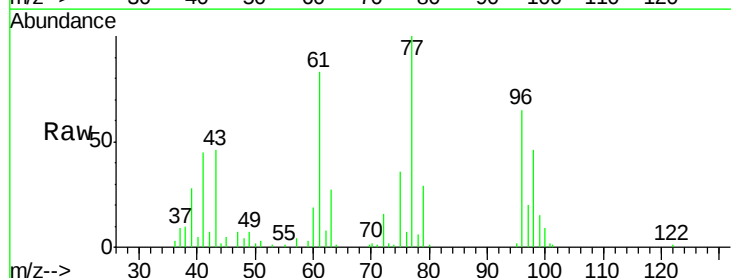
Acq: 23 Nov 2020 14:59

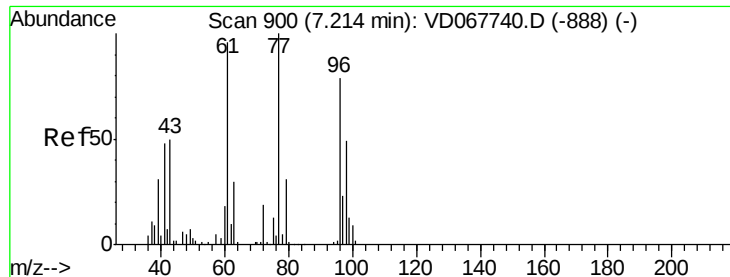
Tgt Ion: 77 Resp: 90362

Ion Ratio Lower Upper

77 100

97 23.4 11.1 33.3





#27

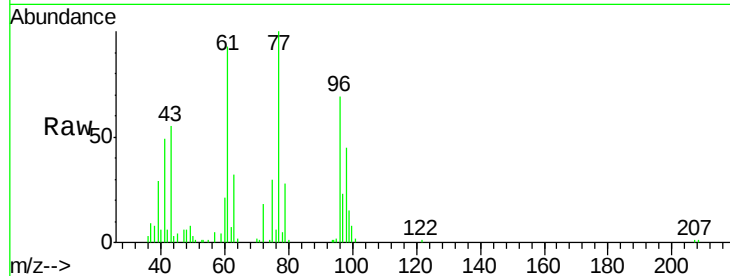
cis-1,2-Dichloroethene
Concen: 20.640 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

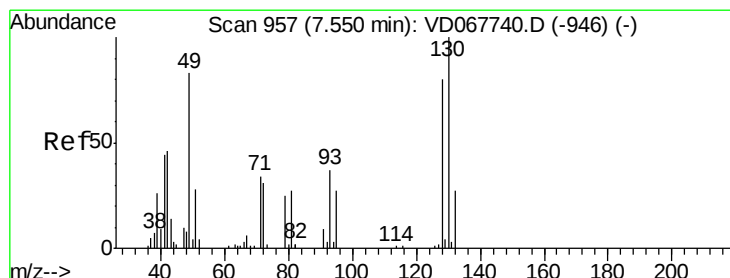
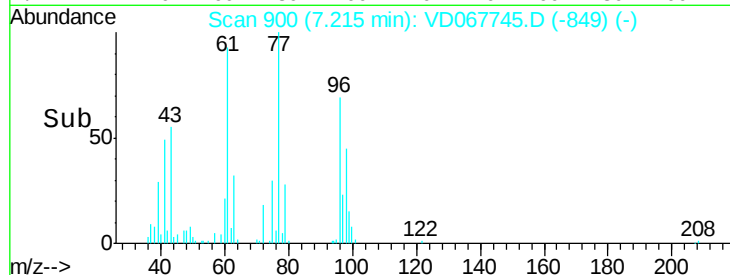
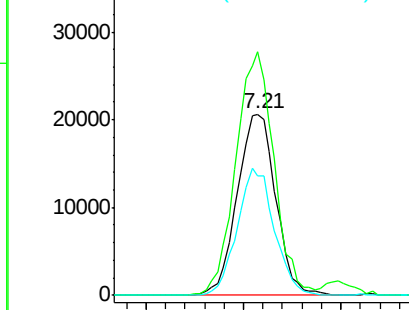
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	258.0
98	67.1	0.0	131.8

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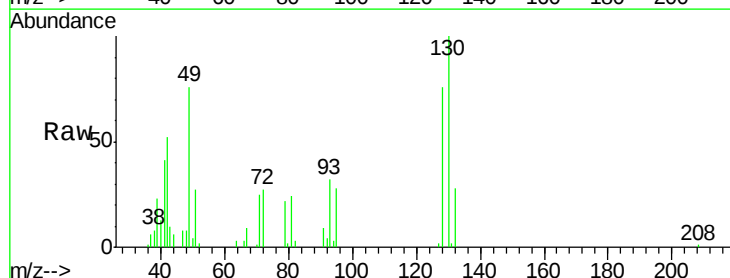
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



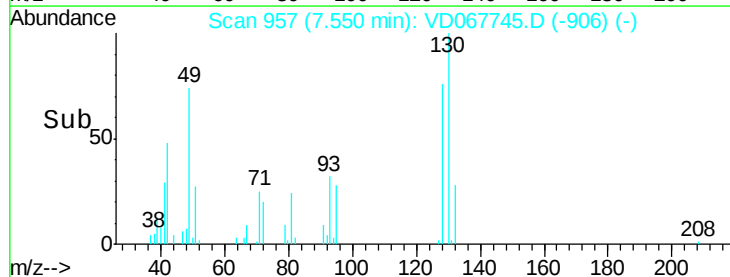
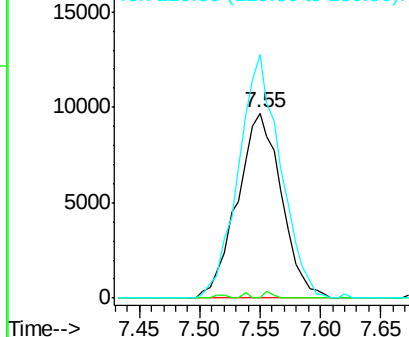
#28

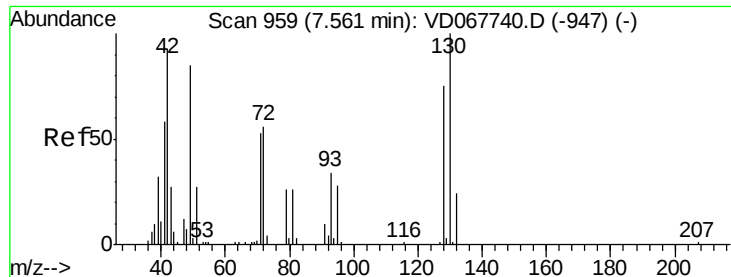
Bromochloromethane
Concen: 20.836 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	7.0
130	125.1	102.2	153.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





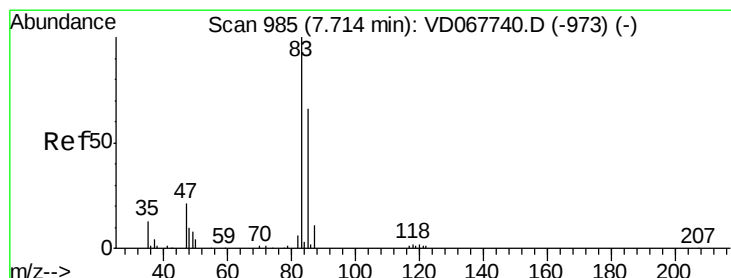
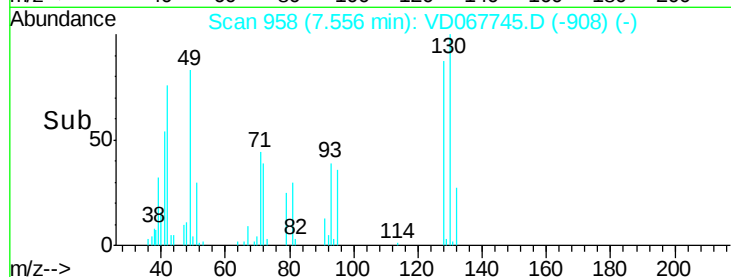
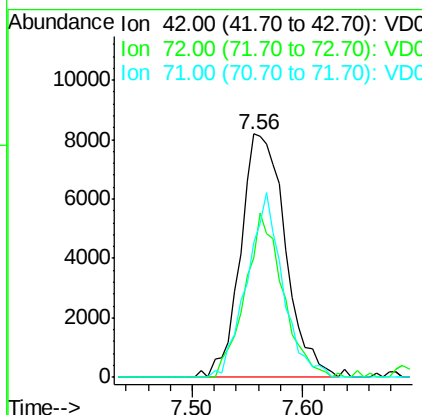
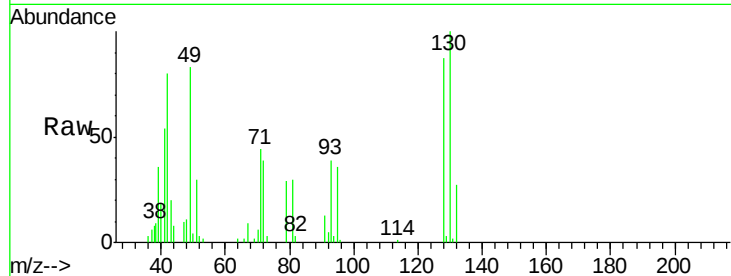
#29
Tetrahydrofuran
Concen: 104.266 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.4	49.3	73.9
71	61.0	45.9	68.9

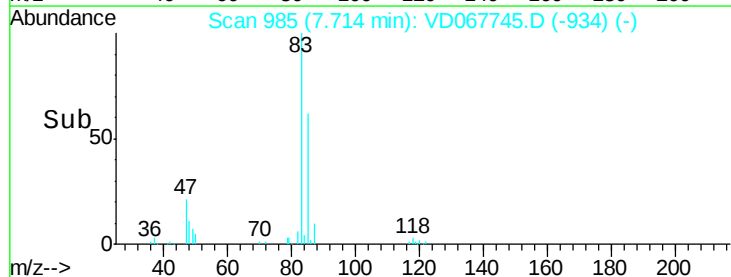
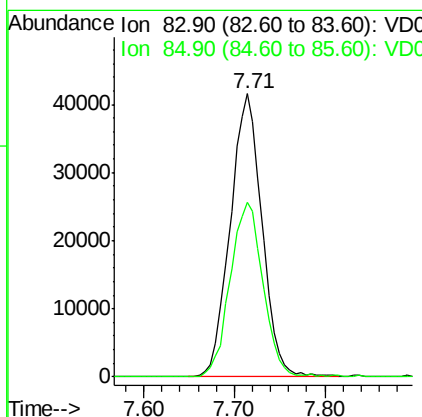
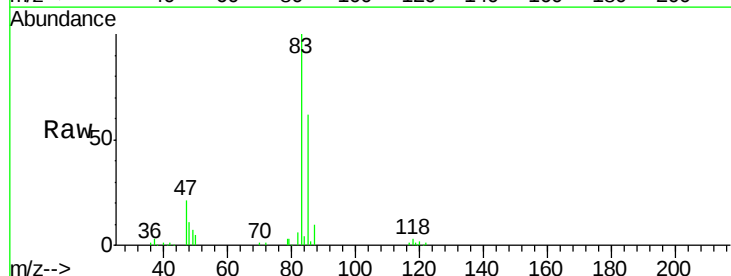
Manual Integrations
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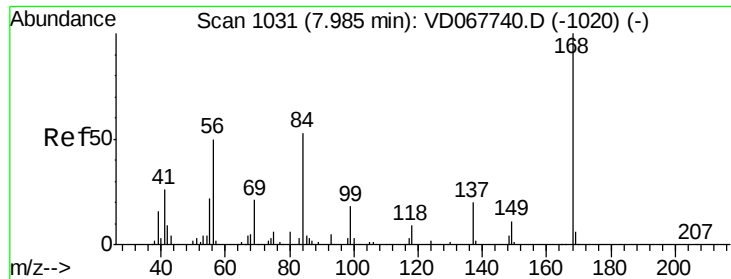
MMDadoda
11/24/2020 2:56:39 PM



#30
Chloroform
Concen: 20.969 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	53.1	79.7





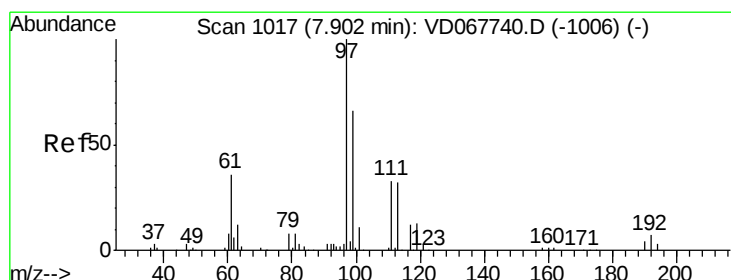
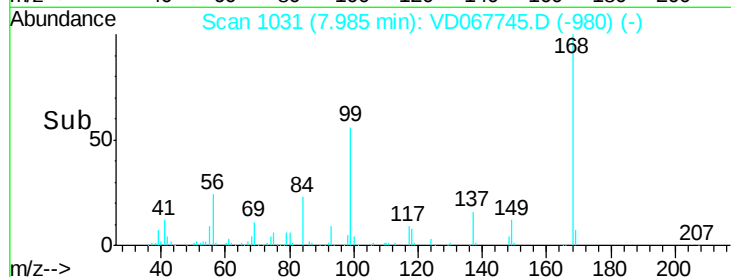
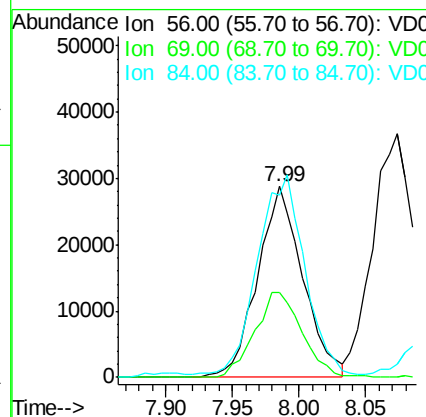
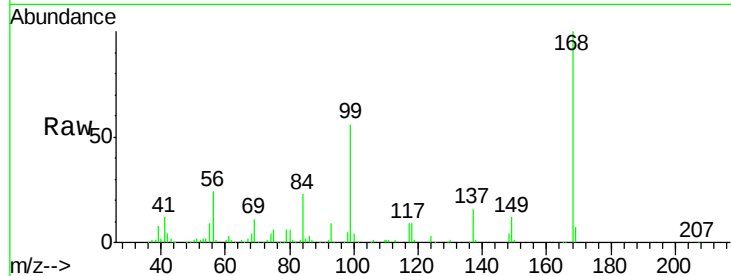
#31
Cyclohexane
Concen: 20.680 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.5	33.2	49.8
84	93.9	84.8	127.2

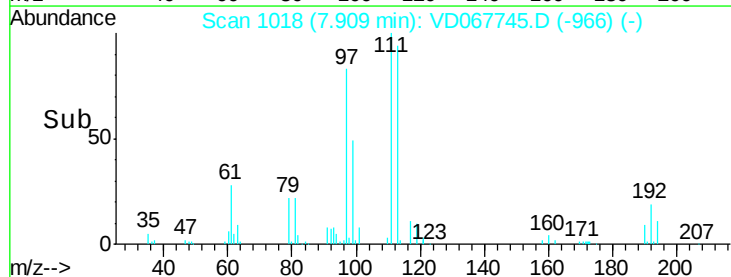
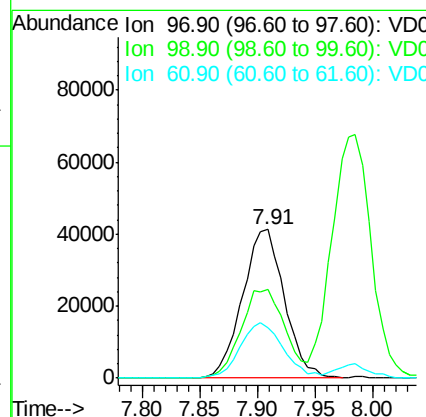
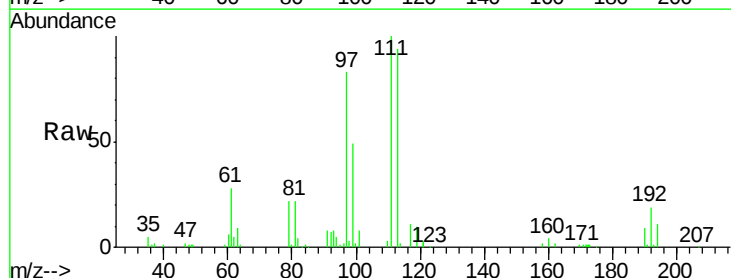
Manual Integrations
APPROVED

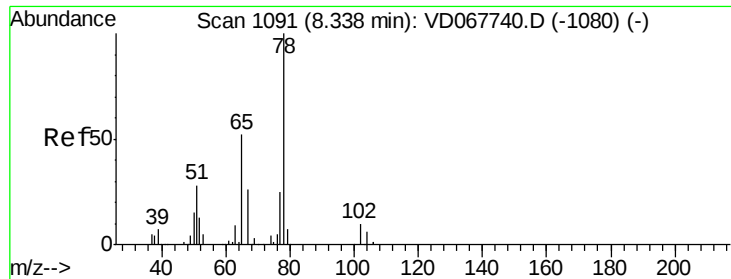
MMDadoda
11/24/2020 2:56:39 PM



#32
1,1,1-Trichloroethane
Concen: 20.408 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.1	76.7
61	38.5	29.4	44.2





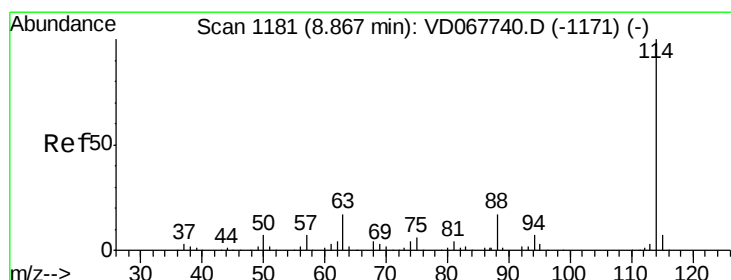
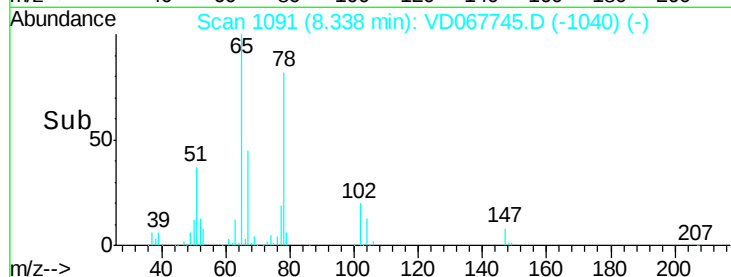
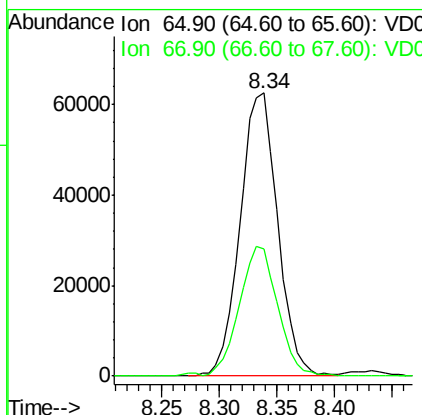
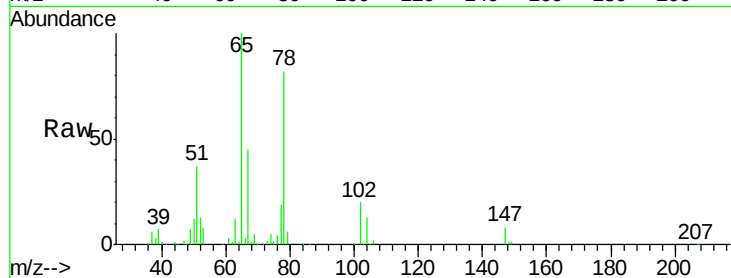
#33
 1,2-Dichloroethane-d4
 Concen: 52.533 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	46.7	0.0	101.0

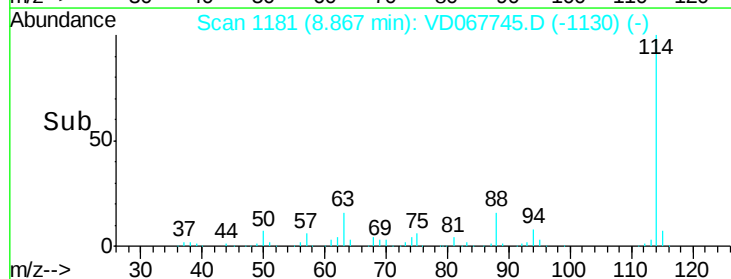
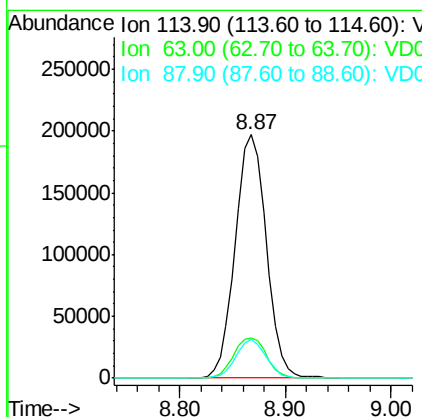
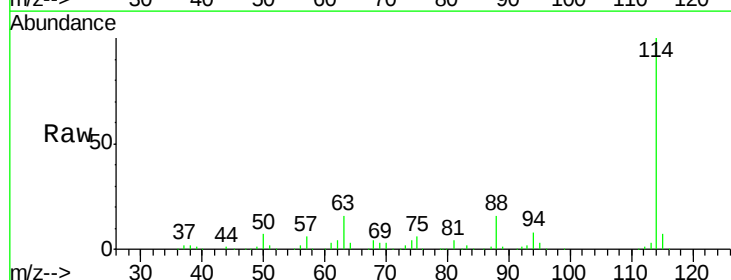
Manual Integrations
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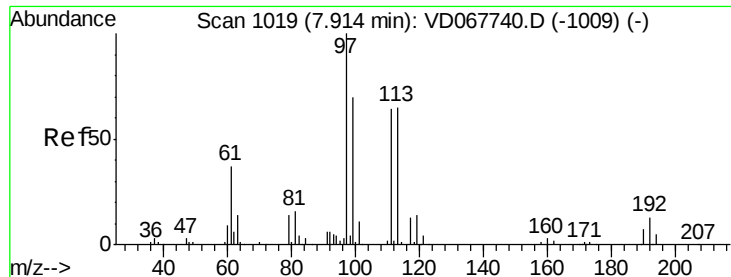
MMDadoda
 11/24/2020 2:56:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	34.8
88	15.8	0.0	34.4





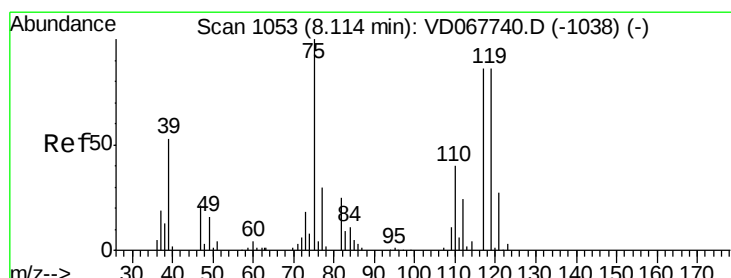
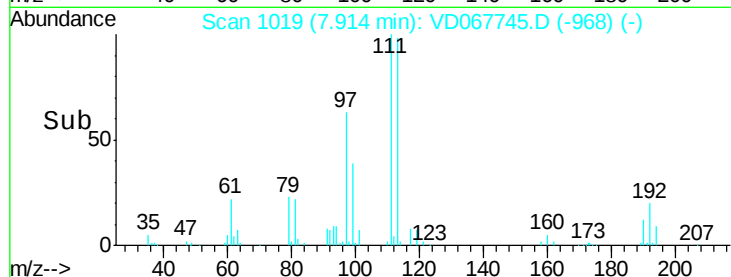
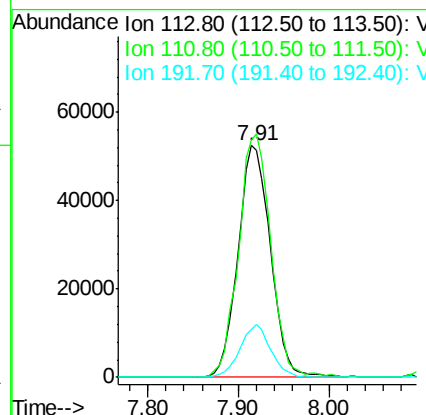
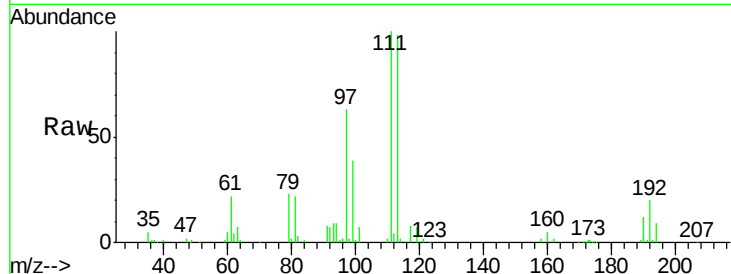
#35
 Dibromofluoromethane
 Concen: 50.961 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.5	81.4	122.0	
192	21.5	17.0	25.4	

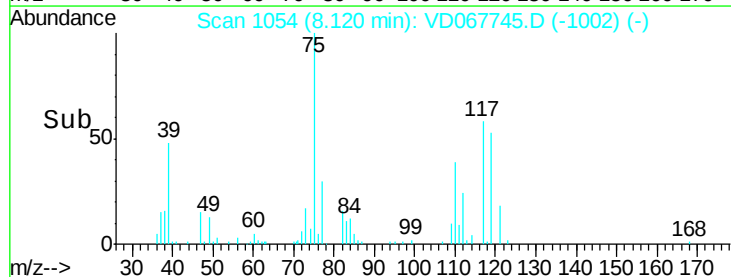
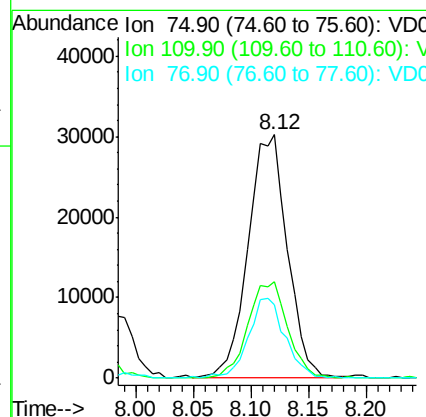
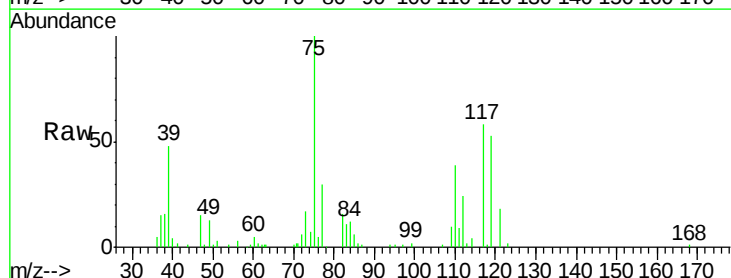
Manual Integrations
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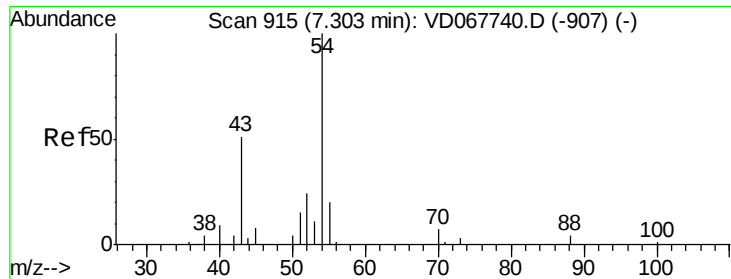
MMDadoda
 11/24/2020 2:56:39 PM



#36
 1,1-Dichloropropene
 Concen: 20.760 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.9	20.1	60.2	
77	30.7	24.8	37.2	





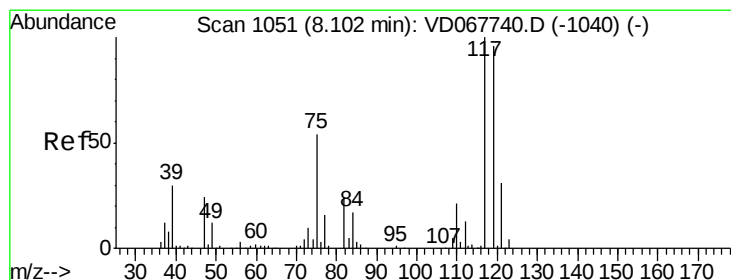
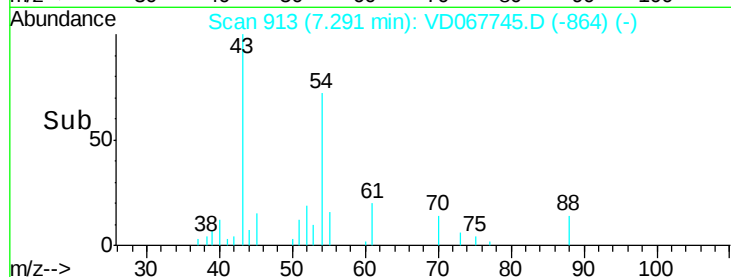
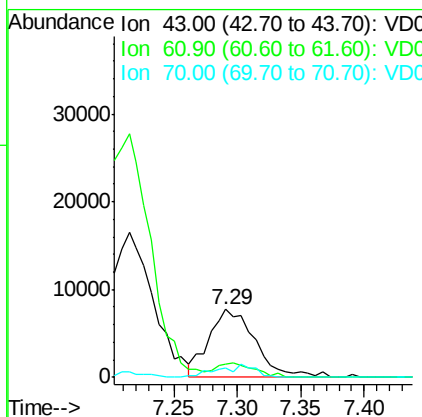
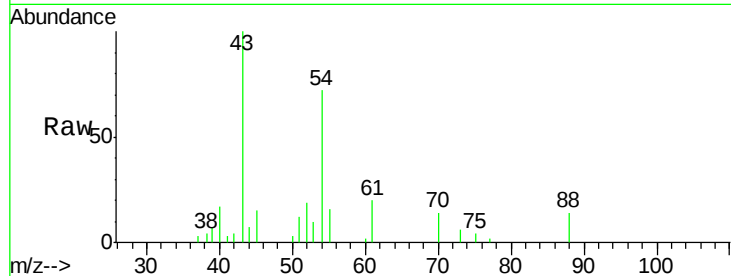
#37
Ethyl Acetate
Concen: 21.045 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	12.9	19.3
70	15.5	12.2	18.2

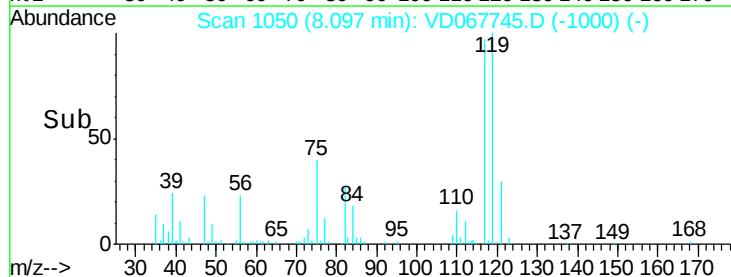
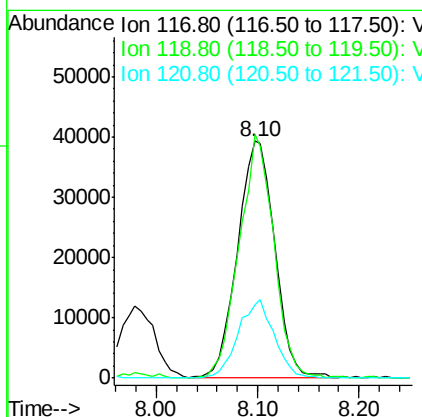
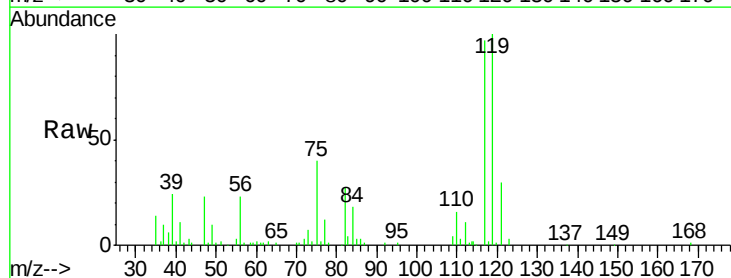
Manual Integrations
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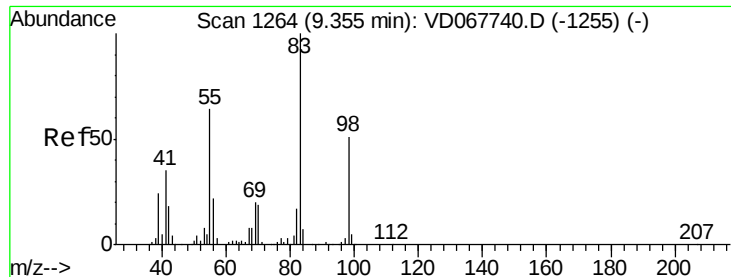
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.040 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.8	76.6	115.0
121	30.9	24.5	36.7





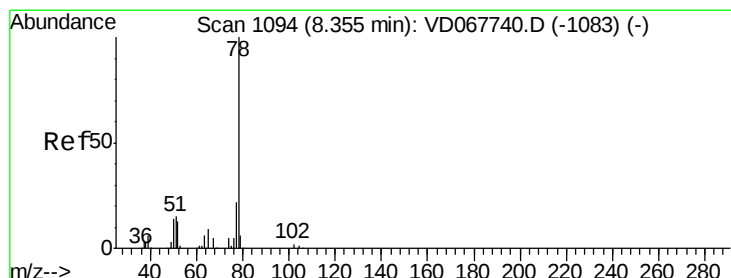
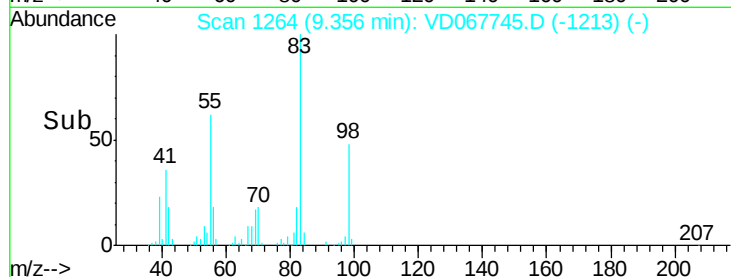
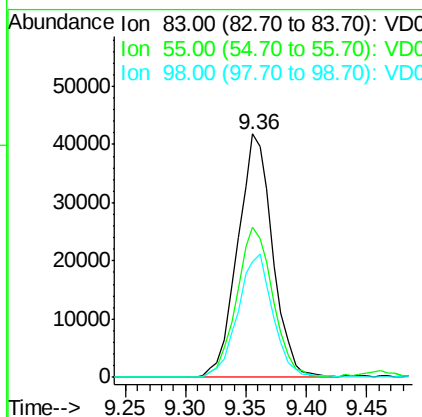
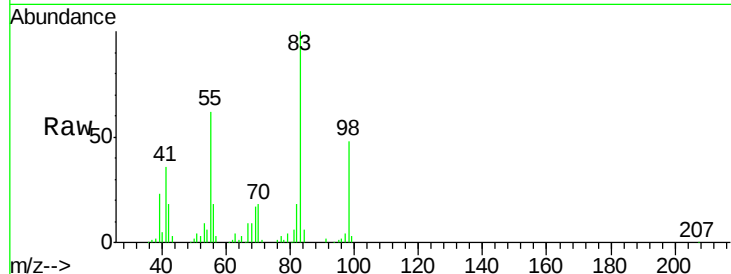
#39
Methvlcvclohexane
Concen: 20.557 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	83	Resp	84228
Ion Ratio	Lower	Upper	
83	100		
55	61.7	51.0	76.4
98	47.7	40.4	60.6

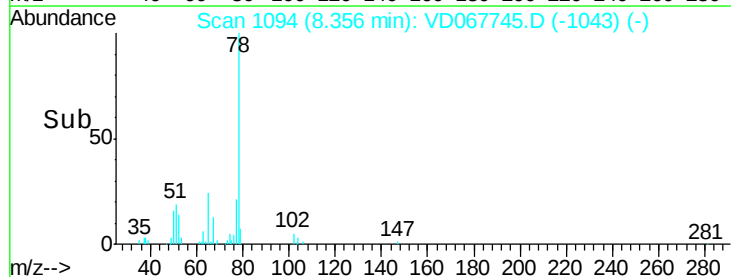
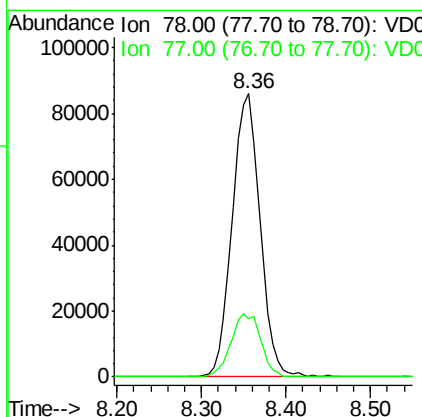
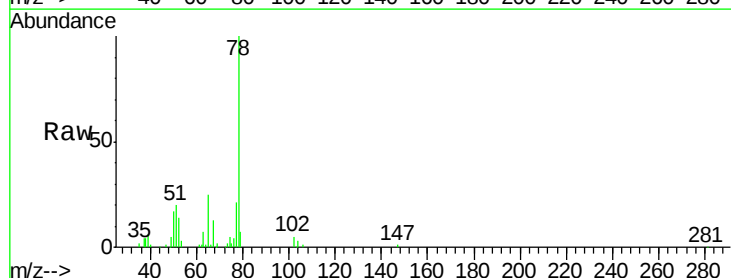
Manual Integrations
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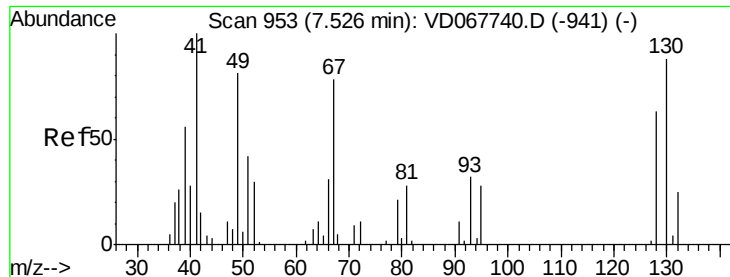
MMDadoda
11/24/2020 2:56:39 PM



#40
Benzene
Concen: 20.580 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	78	Resp	195693
Ion Ratio	Lower	Upper	
78	100		
77	20.7	17.8	26.6





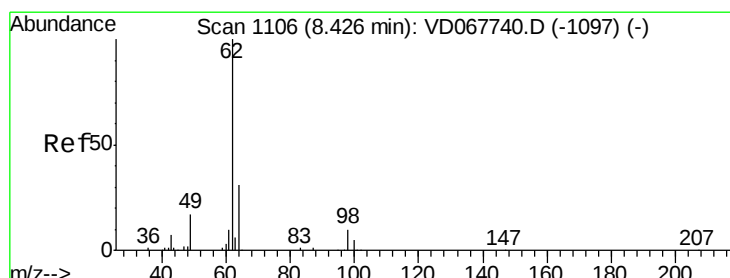
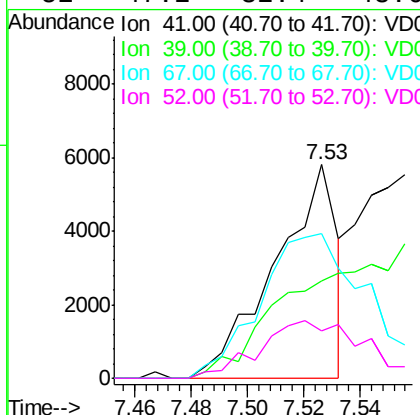
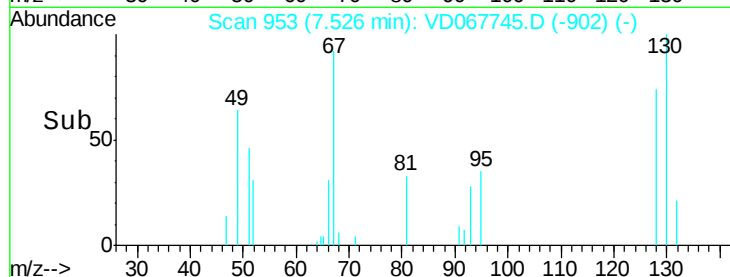
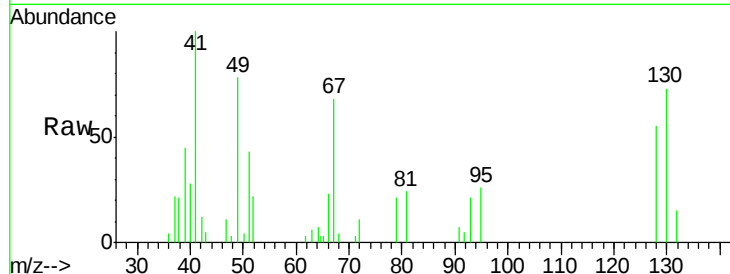
#41
Methacrylonitrile
Concen: 18.641 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	115.7	79.0	118.6
52	47.2	32.4	48.6

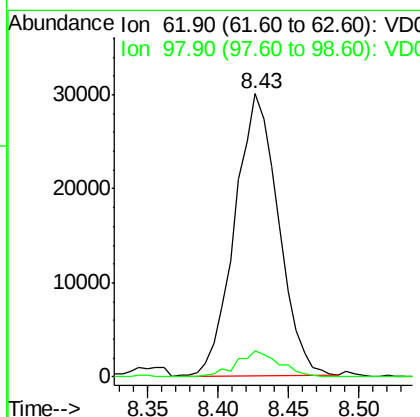
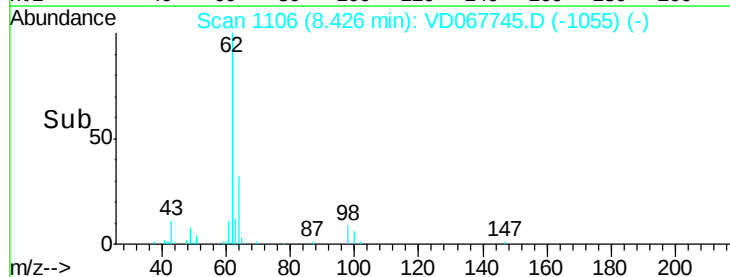
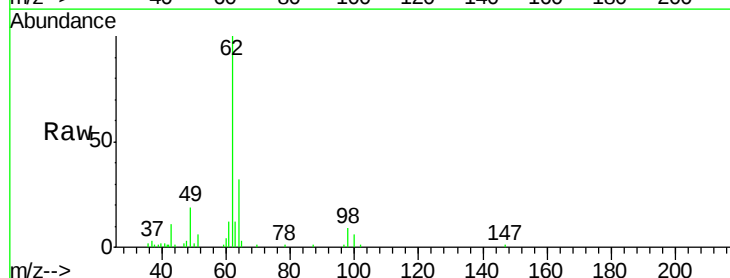
Manual Integrations
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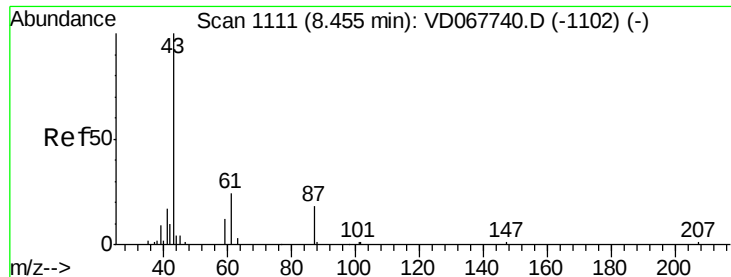
MMDadoda
11/24/2020 2:56:39 PM



#42
1,2-Dichloroethane
Concen: 20.089 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 20.868 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

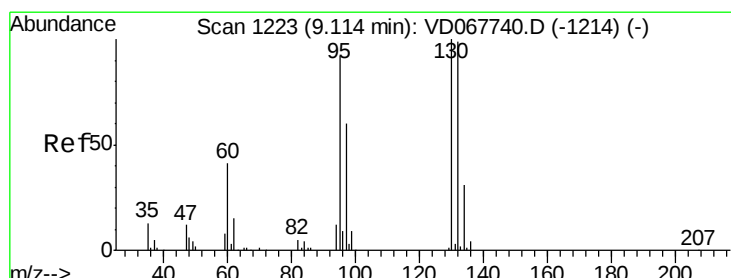
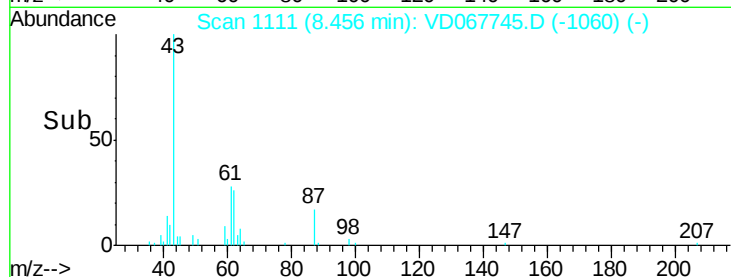
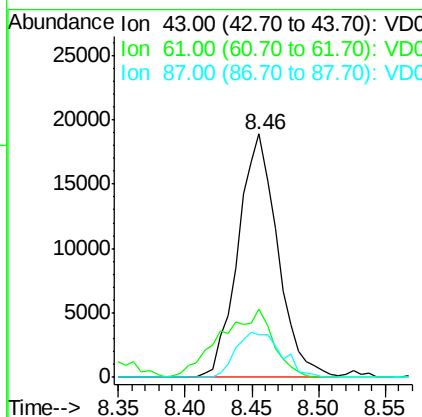
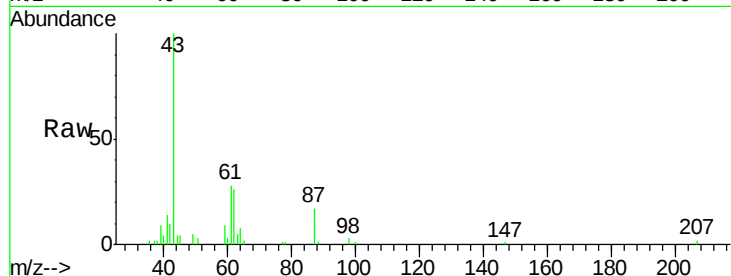
ClientSampleId :

VD1123SBS01

Tot Ion:	43	Resp:	38797
Ion	Ratio	Lower	Upper
43	100		
61	37.4	30.2	45.4
87	21.3	14.2	21.4

Manual Integrations
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#44

Trichloroethene

Concen: 20.512 ug/l

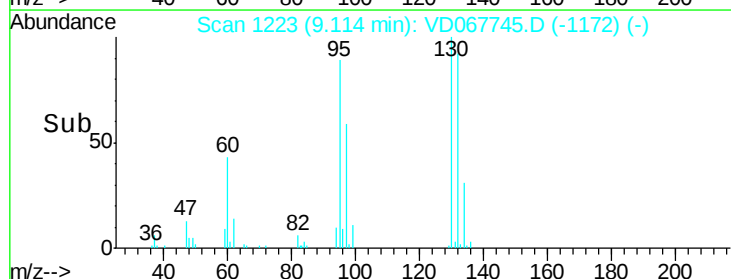
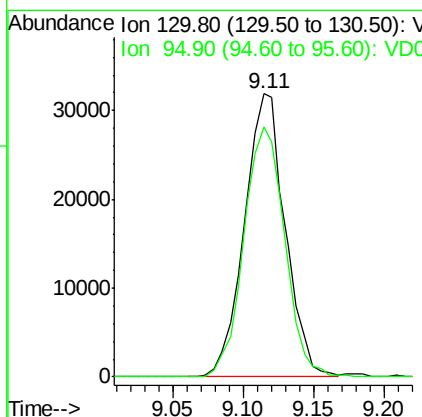
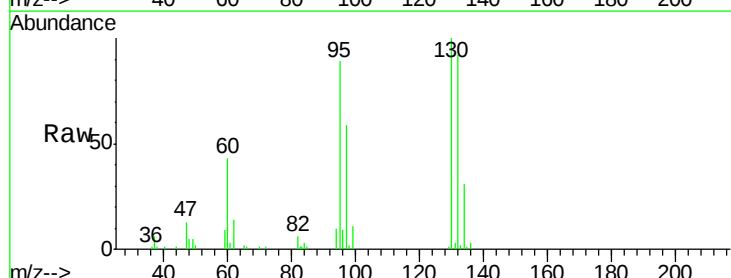
RT: 9.11 min Scan# 1223

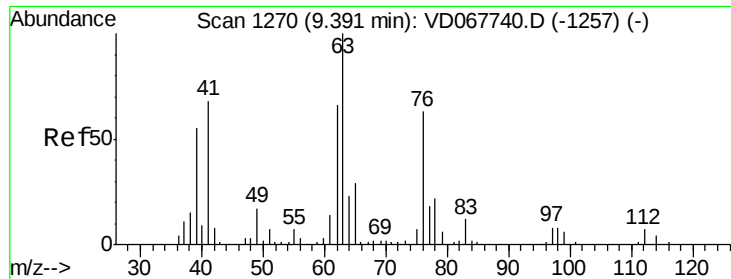
Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Tgt Ion:	130	Resp:	64646
Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	184.2





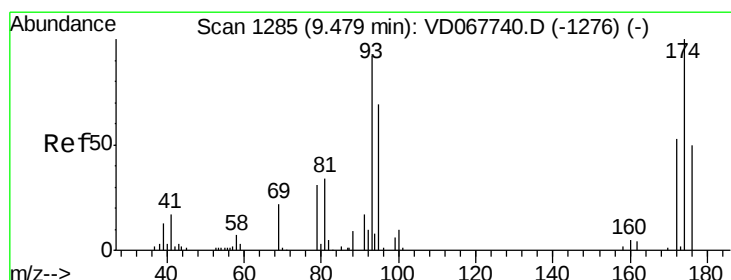
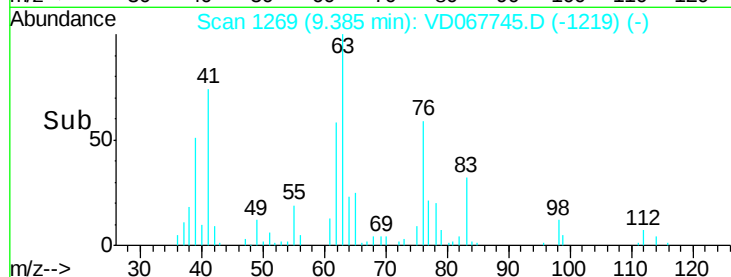
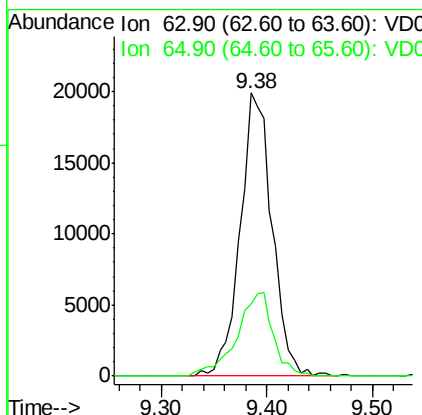
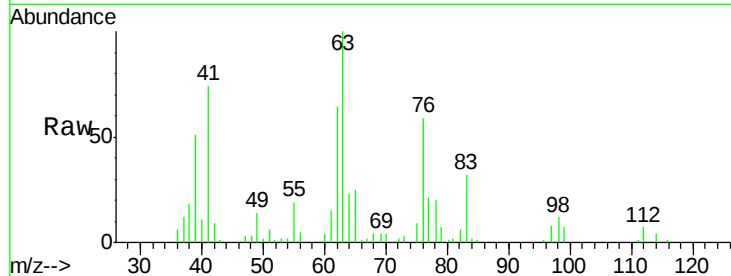
#45
 1,2-Dichloropropane
 Concen: 21.397 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion: 63 Resp: 41748
 Ion Ratio Lower Upper
 63 100
 65 25.4 23.1 34.7

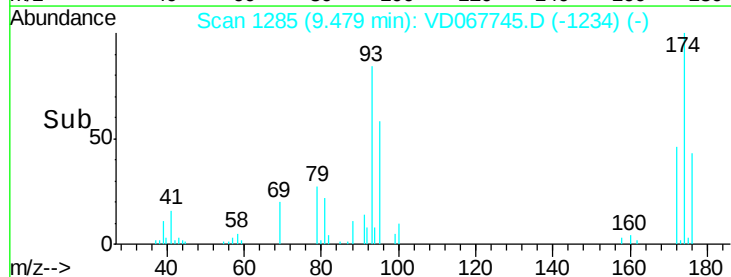
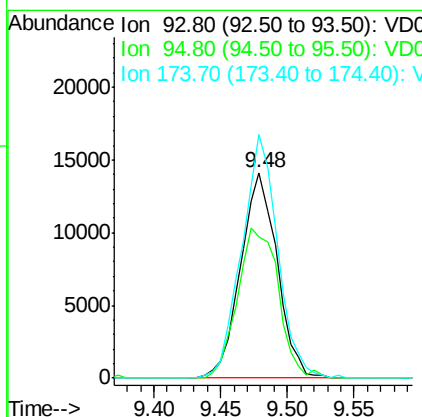
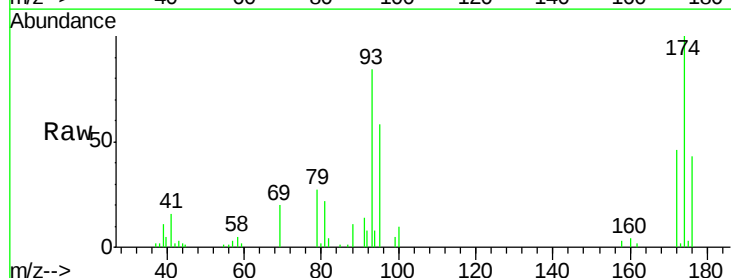
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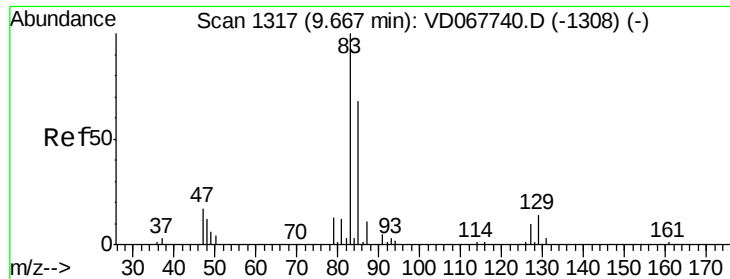
MMDadoda
 11/24/2020 2:56:39 PM



#46
 Dibromomethane
 Concen: 20.149 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion: 93 Resp: 26765
 Ion Ratio Lower Upper
 93 100
 95 81.5 63.4 95.2
 174 116.2 89.6 134.4





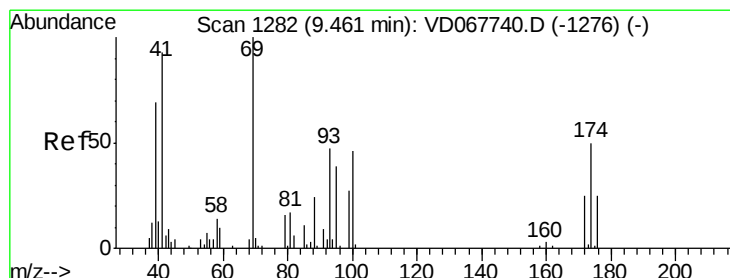
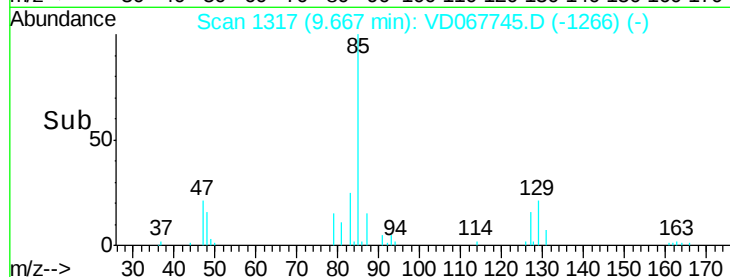
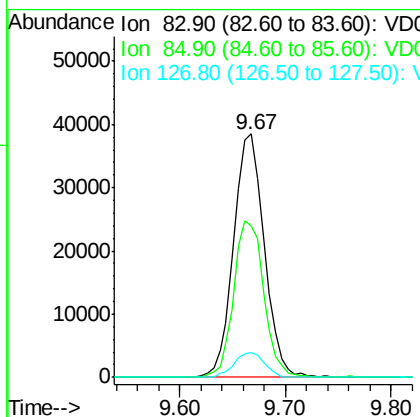
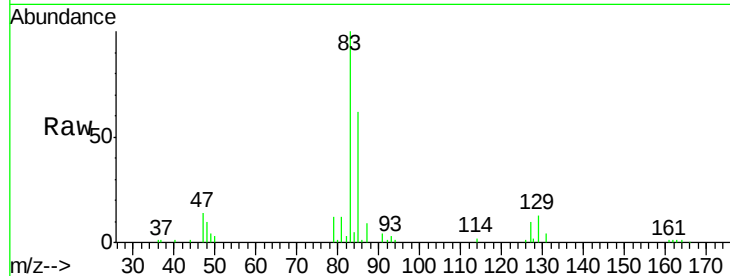
#47
Bromodichloromethane
Concen: 20.912 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	83	Resp	77353
Ion Ratio	100	Lower	Upper
83	100		
85	62.0	54.2	81.2
127	9.9	7.6	11.4

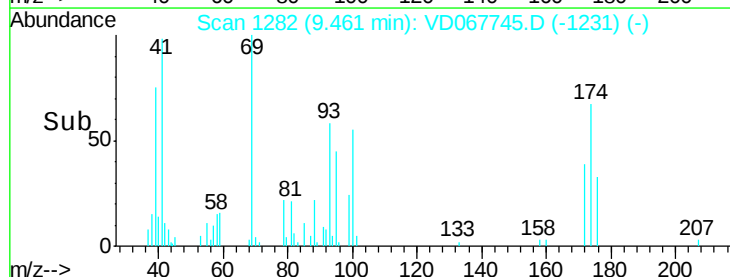
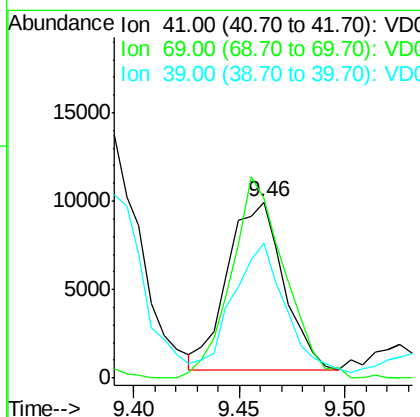
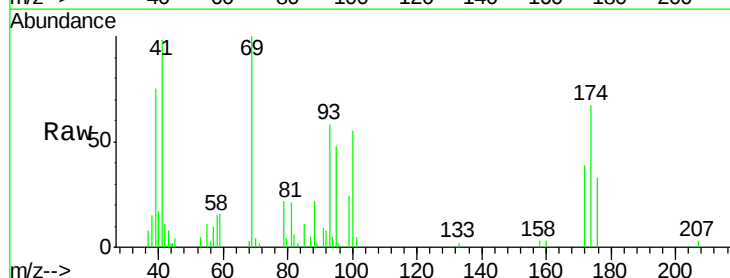
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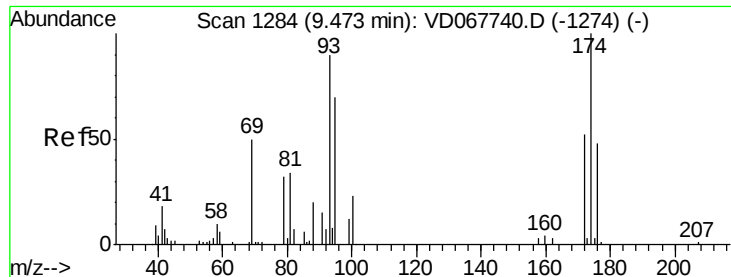
MMDadoda
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#48
Methyl methacrylate
Concen: 18.899 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	41	Resp	17566
Ion Ratio	100	Lower	Upper
41	100		
69	113.2	87.8	131.6
39	71.9	60.5	90.7





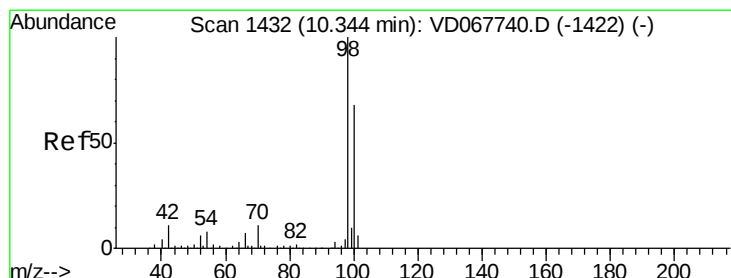
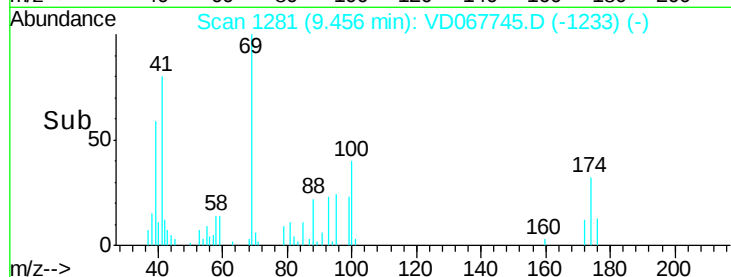
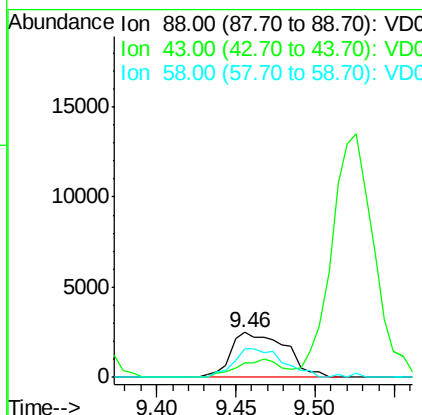
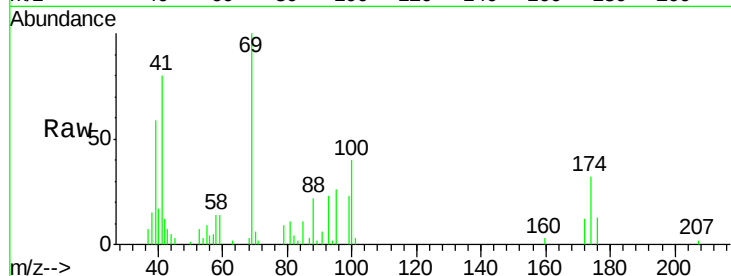
#49
1,4-Dioxane
Concen: 415.884 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.02 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	88	Resp	5987
Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.2	37.8
58	58.0	48.2	72.2

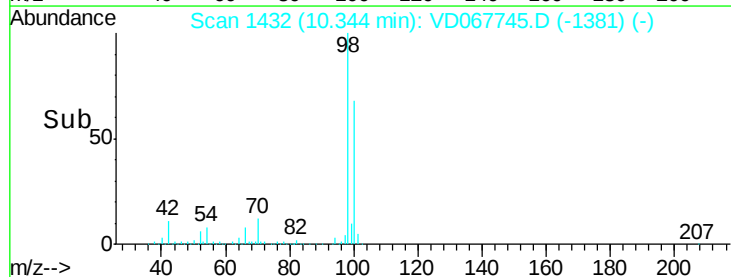
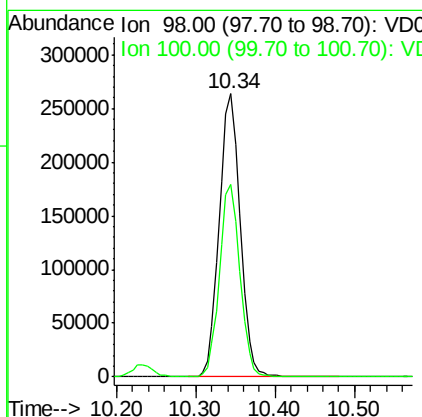
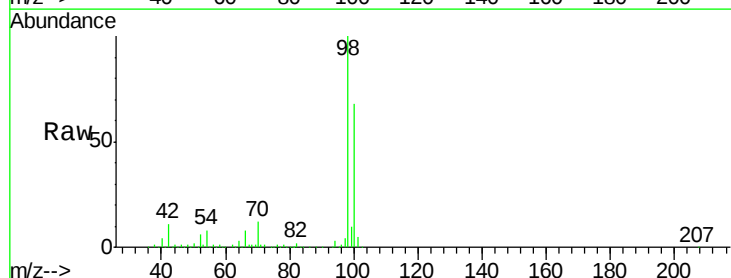
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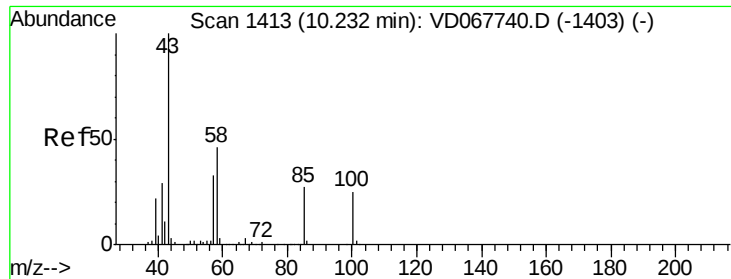
MMDadoda
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#50
Toluene-d8
Concen: 51.697 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	98	Resp	485317
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 101.809 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 43 Resp: 89067

Ion Ratio Lower Upper

43 100

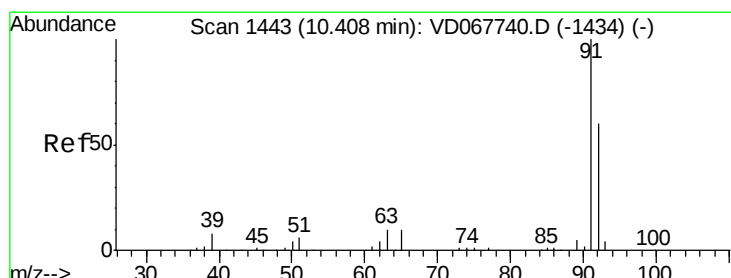
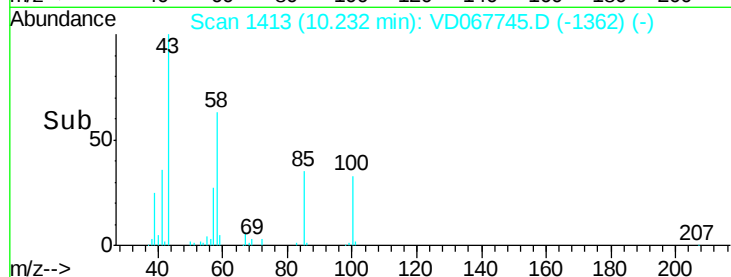
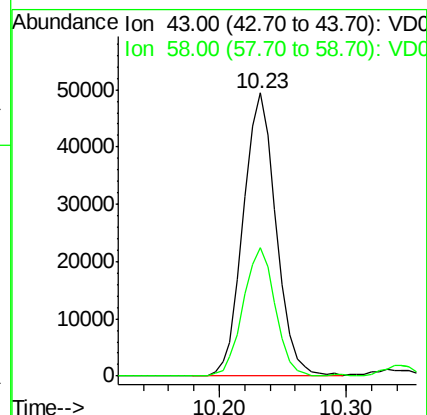
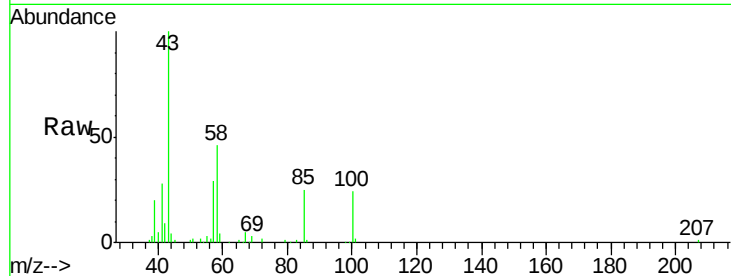
58 44.1 34.7 52.1

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#52

Toluene

Concen: 21.307 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067745.D

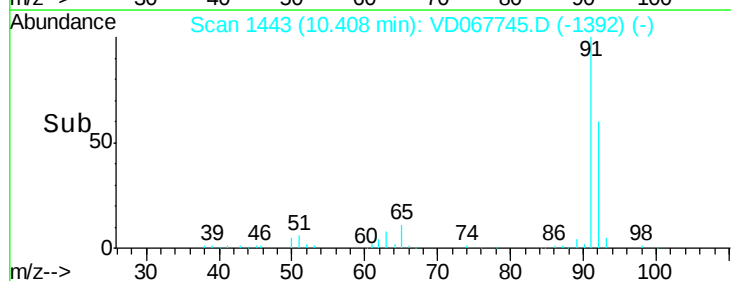
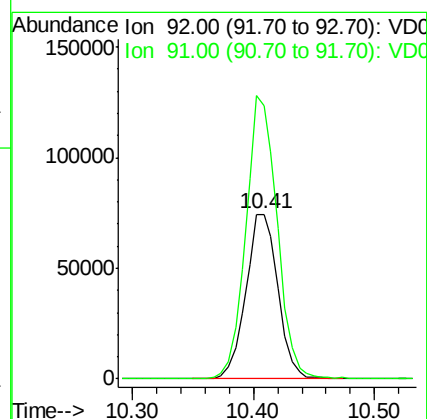
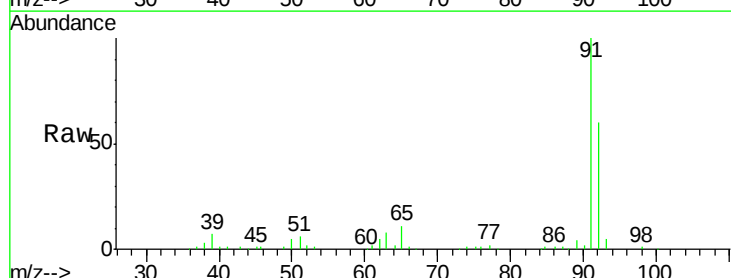
Acq: 23 Nov 2020 14:59

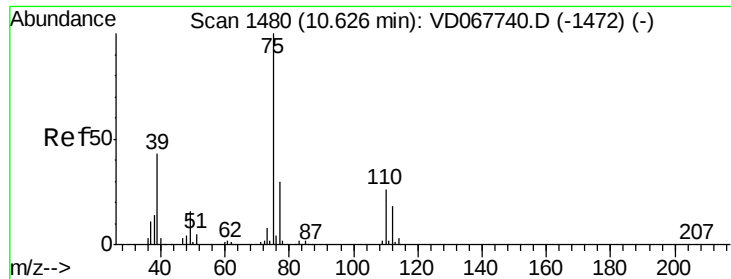
Tgt Ion: 92 Resp: 137449

Ion Ratio Lower Upper

92 100

91 167.6 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 20.963 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 75 Resp: 67747

Ion Ratio Lower Upper

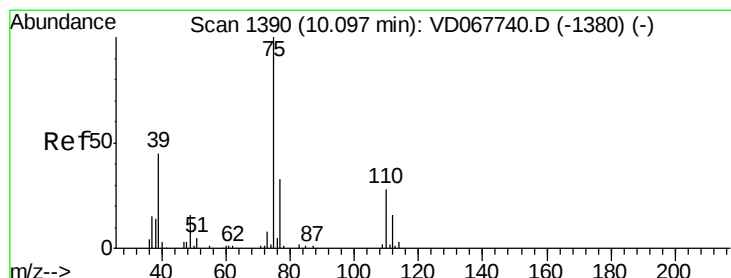
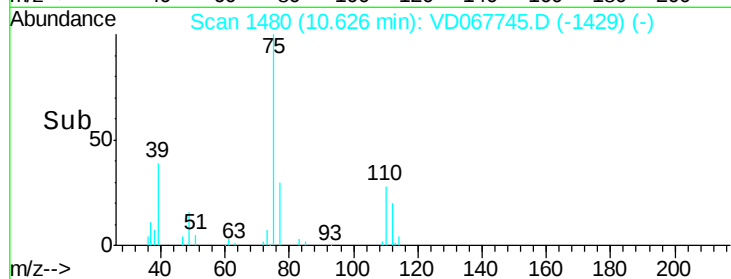
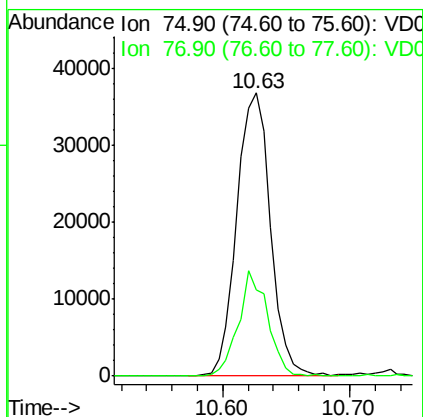
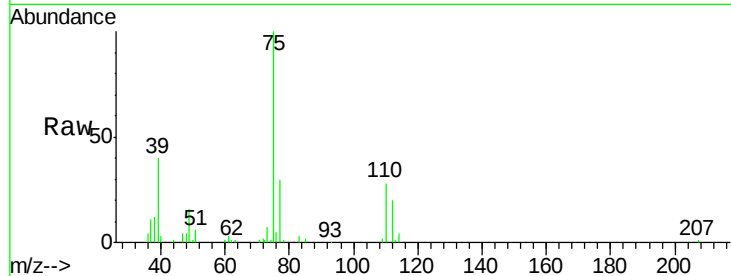
75 100

77 30.4 24.2 36.4

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.819 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

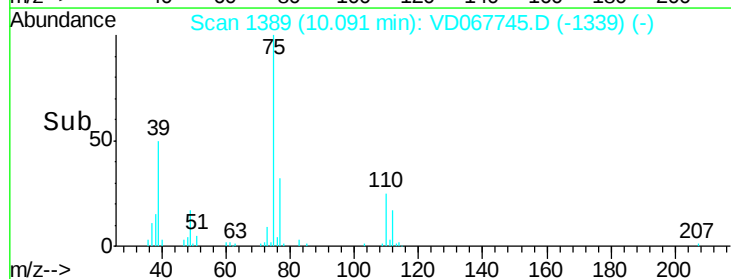
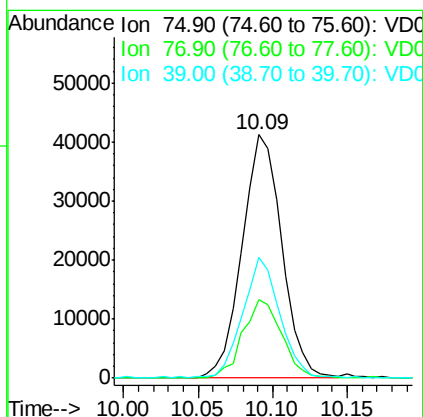
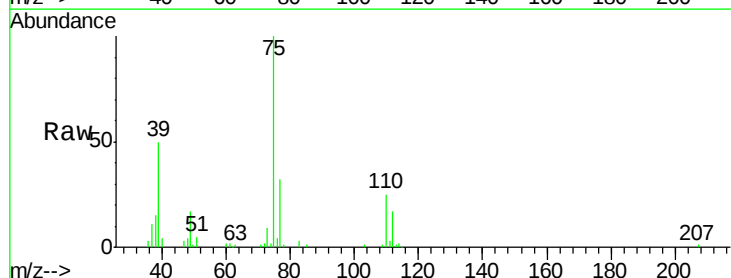
Tgt Ion: 75 Resp: 76142

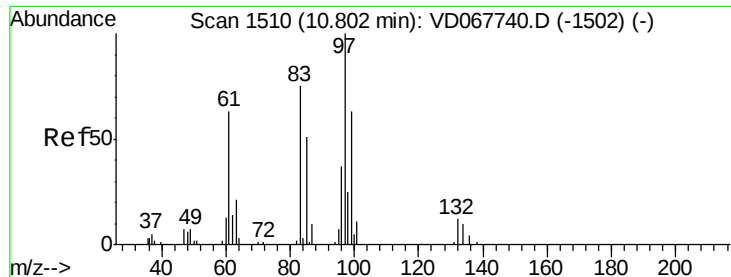
Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1

39 49.8 35.8 53.6





#55

1,1,2-Trichloroethane

Concen: 20.077 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 97 Resp: 35784

Ion Ratio Lower Upper

97 100

83 82.8 60.2 90.4

85 55.3 40.5 60.7

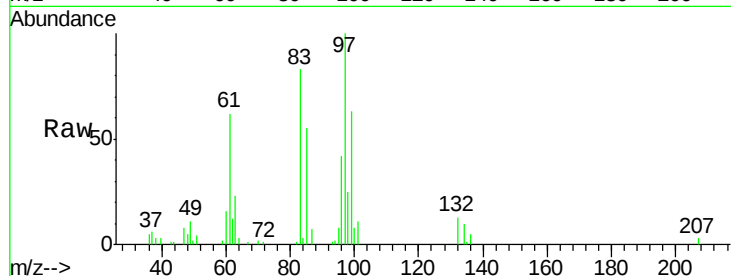
99 63.0 50.6 76.0

Manual Integrations

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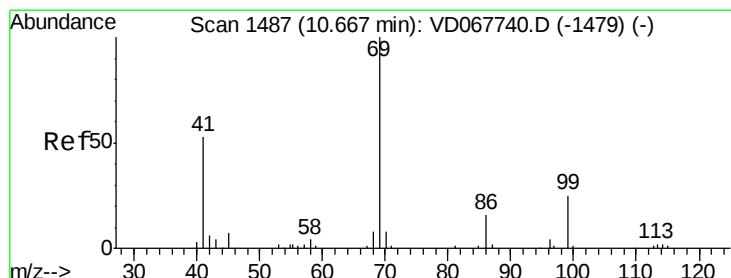
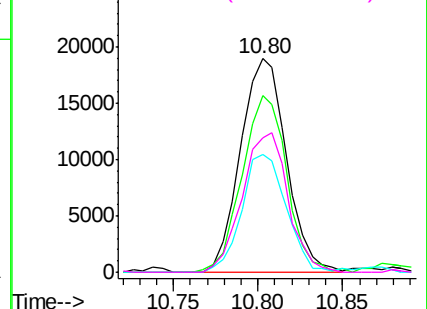
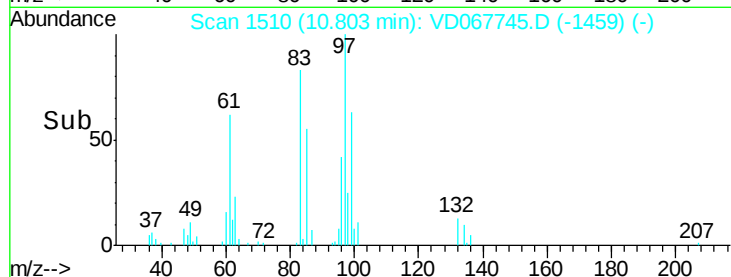


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.726 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

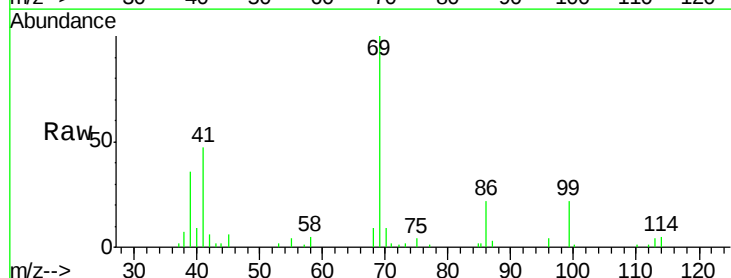
Tgt Ion: 69 Resp: 38246

Ion Ratio Lower Upper

69 100

41 51.7 43.4 65.0

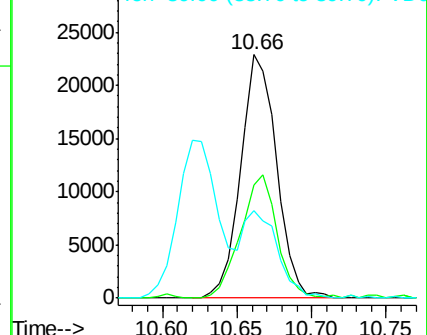
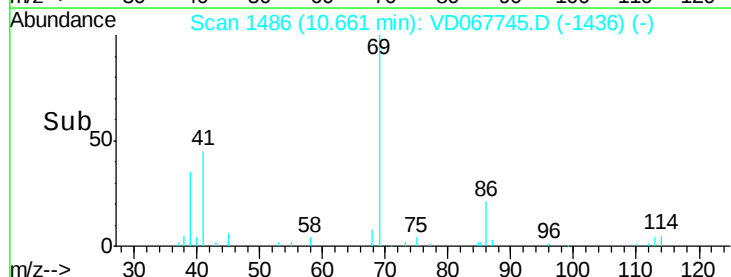
39 33.8 29.6 44.4

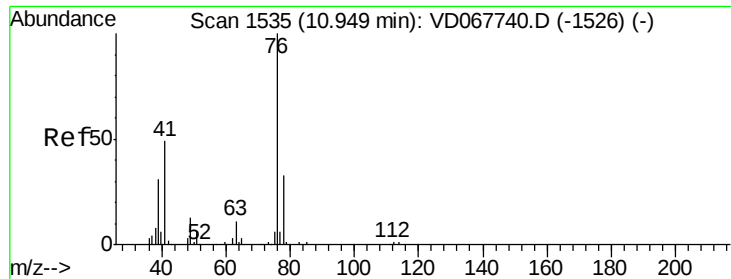


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 20.624 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 76 Resp: 57958

Ion Ratio Lower Upper

76 100

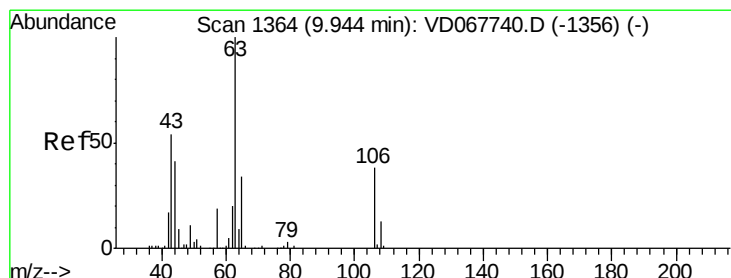
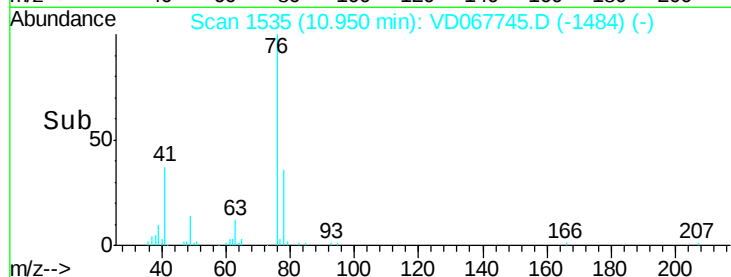
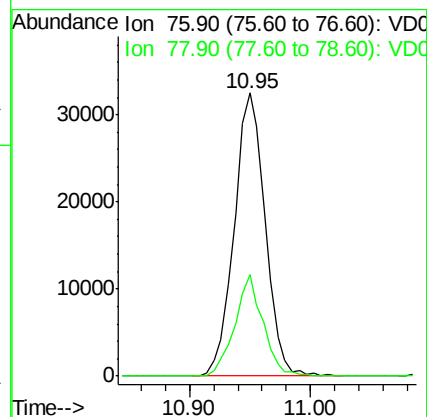
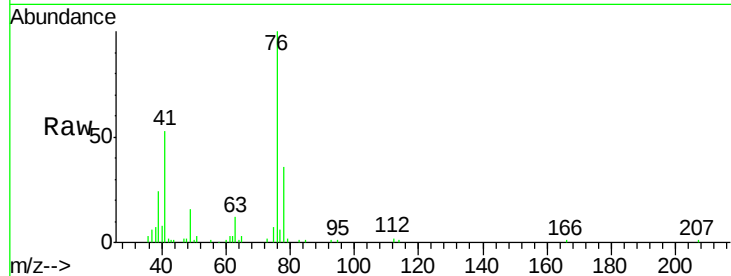
78 32.5 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.421 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067745.D

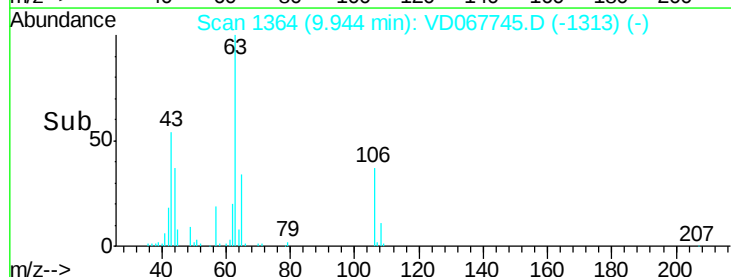
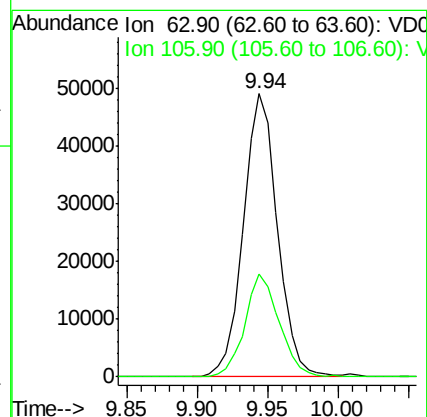
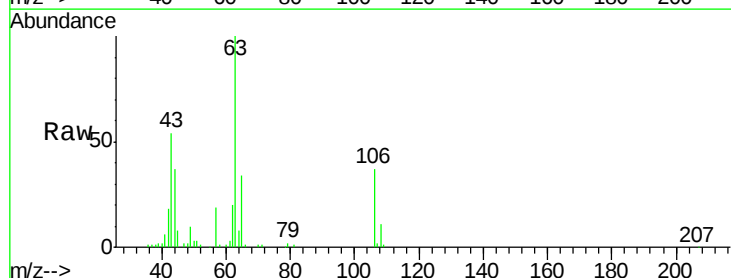
Acq: 23 Nov 2020 14:59

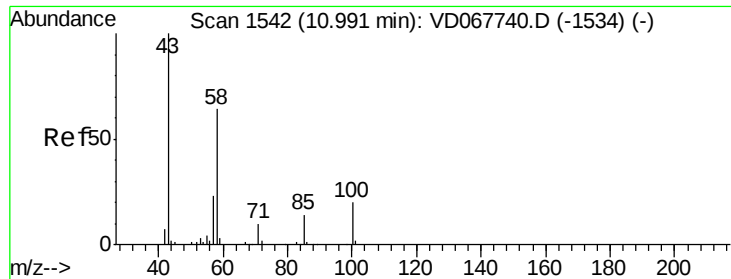
Tgt Ion: 63 Resp: 83135

Ion Ratio Lower Upper

63 100

106 36.6 31.0 46.6





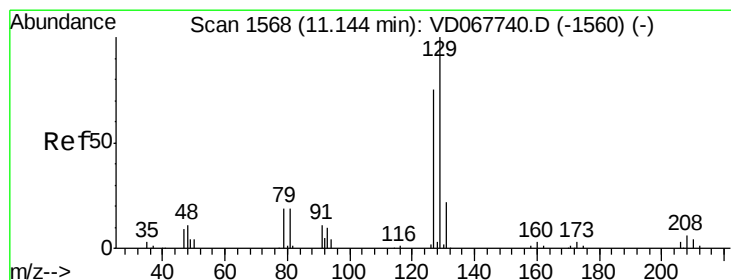
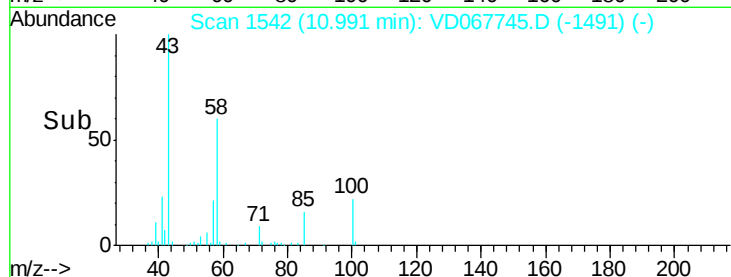
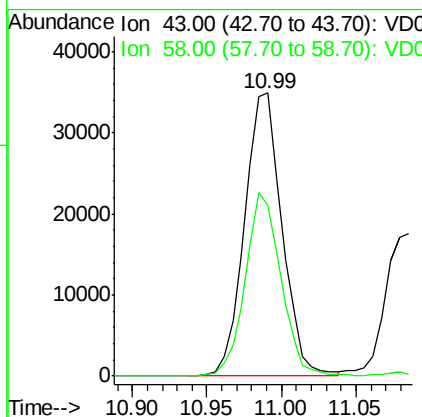
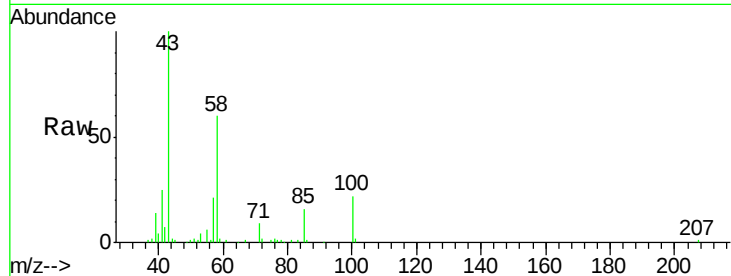
#59
2-Hexanone
Concen: 97.949 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion: 43 Resp: 60500
Ion Ratio Lower Upper
43 100
58 61.6 30.5 91.5

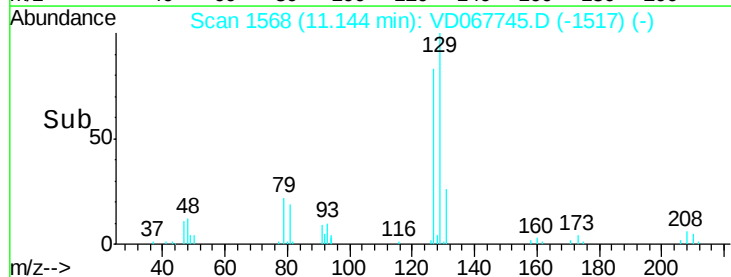
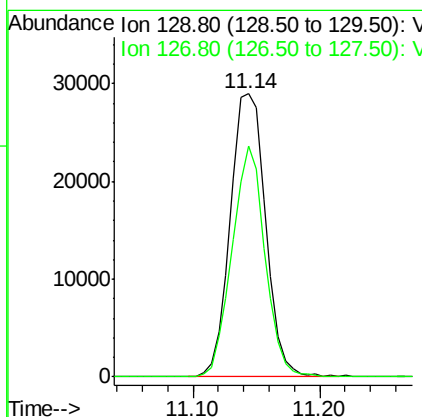
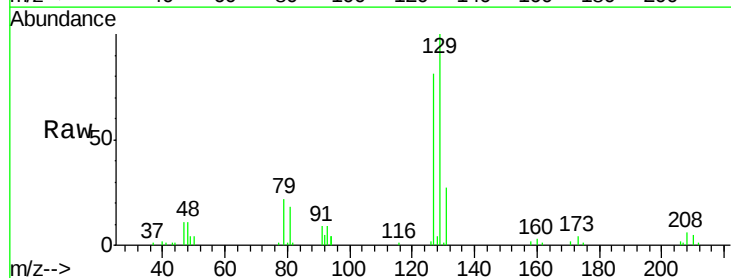
Manual Integrations
APPROVED

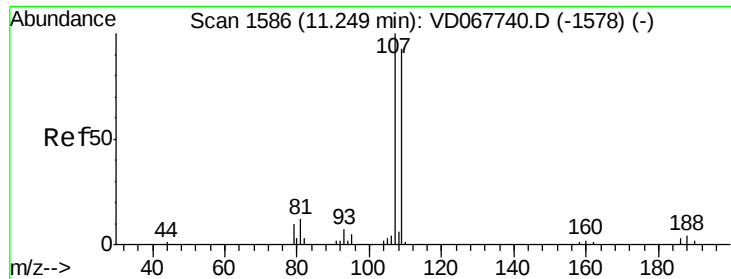
MMDadoda
11/24/2020 2:56:39 PM



#60
Dibromochloromethane
Concen: 20.558 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion: 129 Resp: 55835
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.7





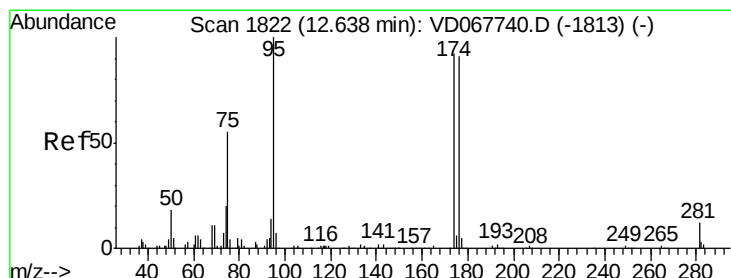
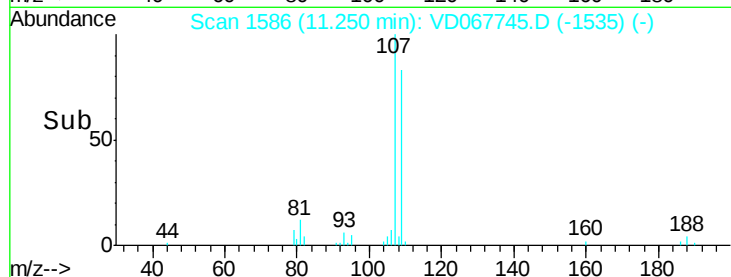
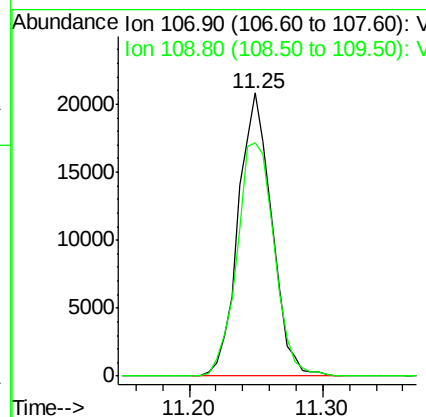
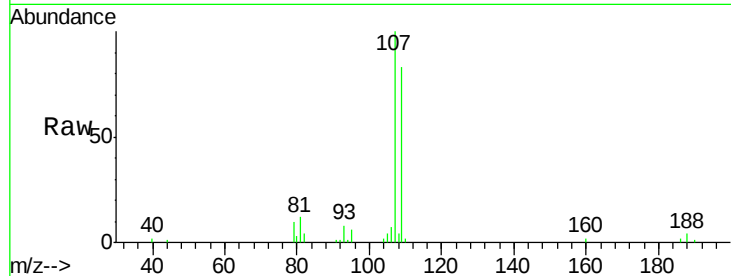
#61
 1,2-Dibromoethane
 Concen: 20.611 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.1	112.7

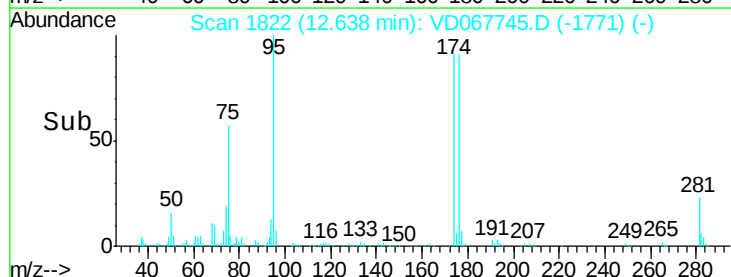
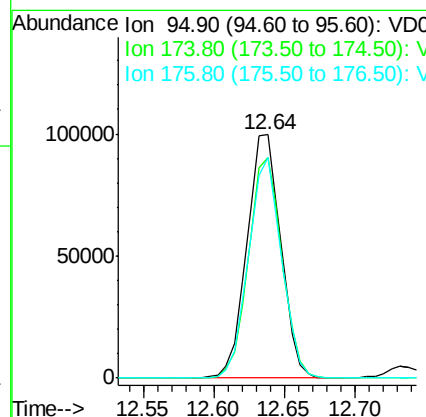
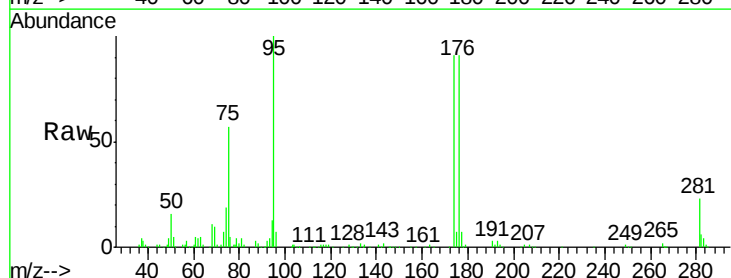
Manual Integrations
 APPROVED

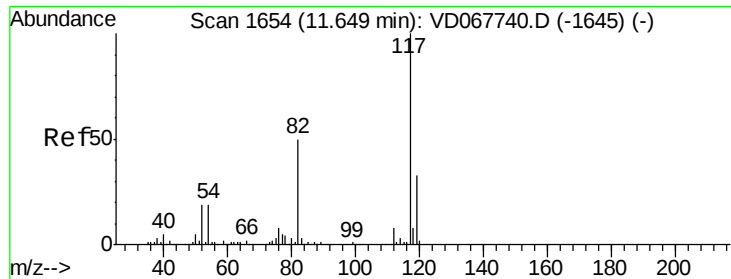
MMDadoda
 11/24/2020 2:56:39 PM



#62
 4-Bromofluorobenzene
 Concen: 52.398 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	182.4
176	88.2	0.0	178.2





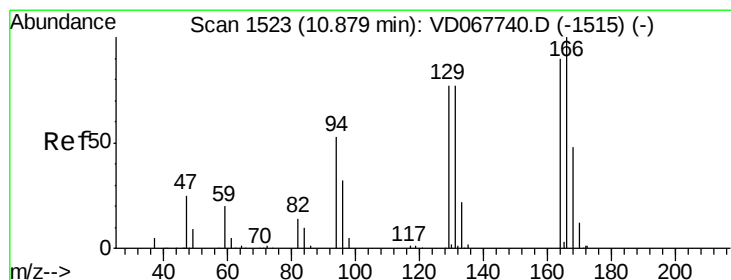
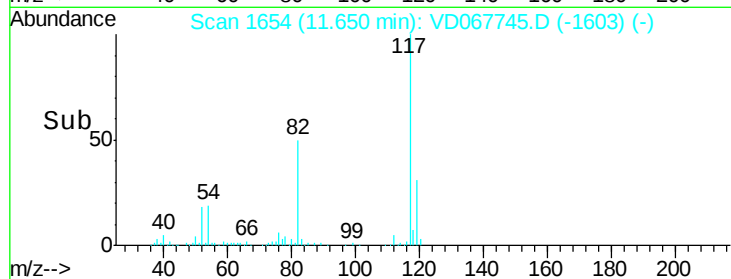
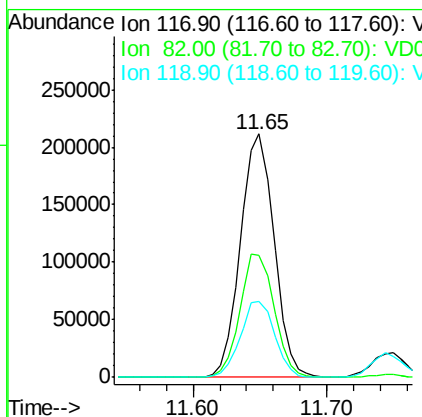
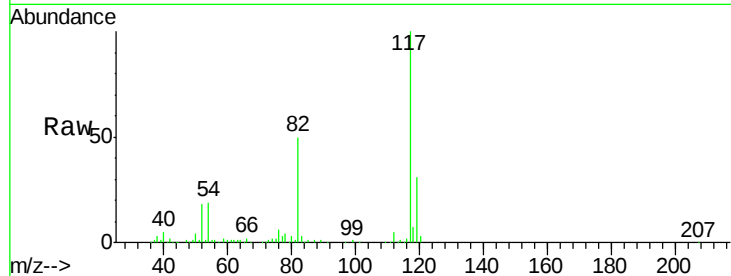
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	369769		
82	50.0		40.2	60.4
119	31.4		26.5	39.7

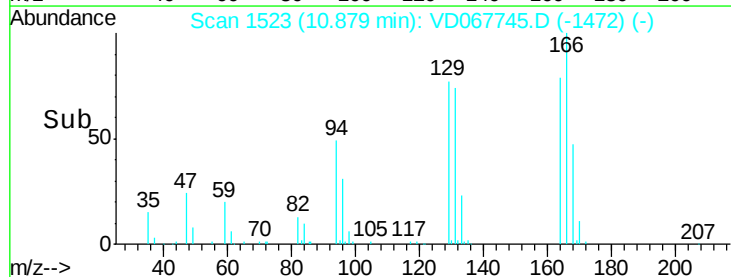
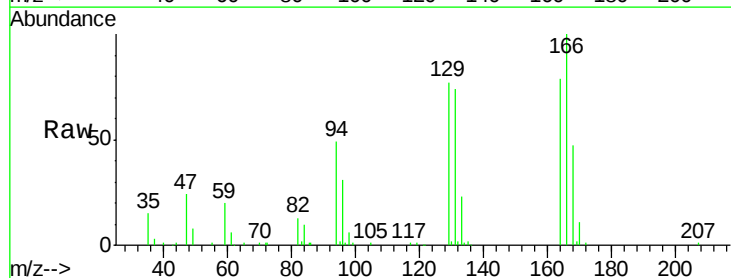
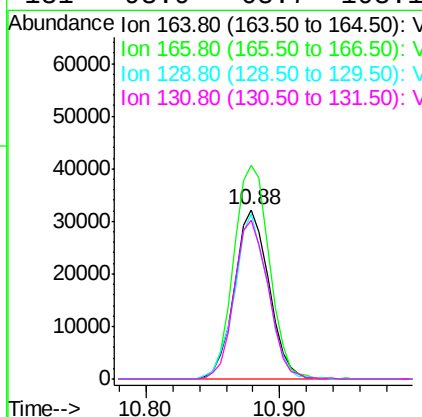
Manual Integrations
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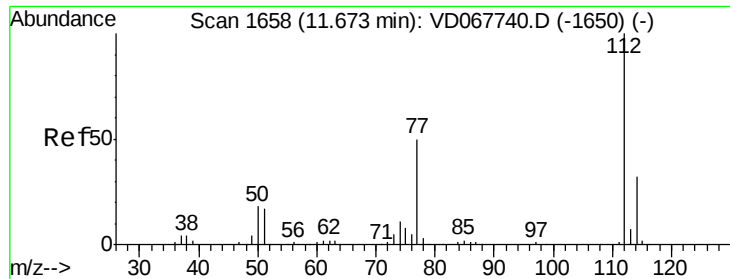
MMDadoda
11/24/2020 2:56:39 PM



#64
Tetrachloroethene
Concen: 20.118 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57738		
166	126.4		89.2	133.8
129	97.4		68.4	102.6
131	93.9		68.7	103.1





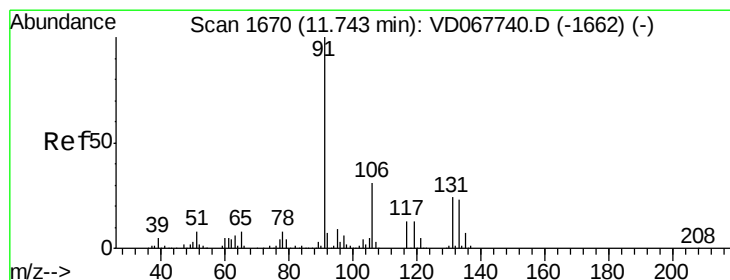
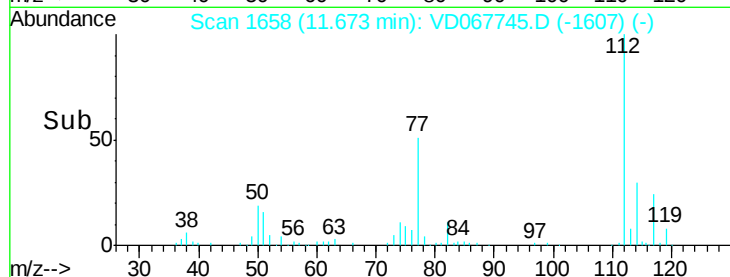
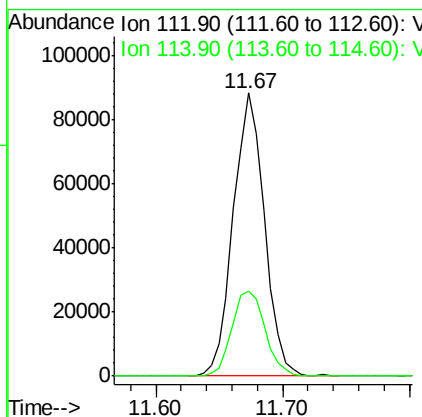
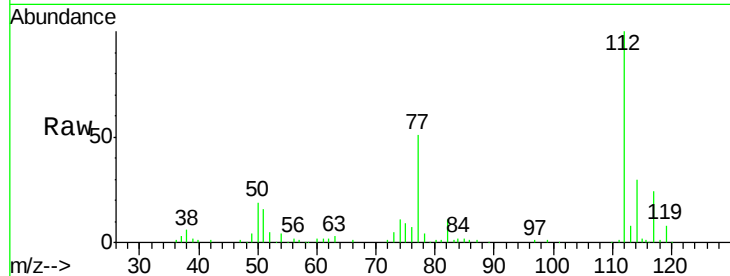
#65
Chlorobenzene
Concen: 20.632 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion:112 Resp: 149944
Ion Ratio Lower Upper
112 100
114 30.2 25.8 38.8

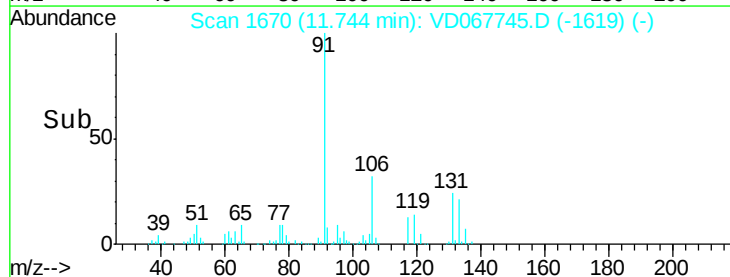
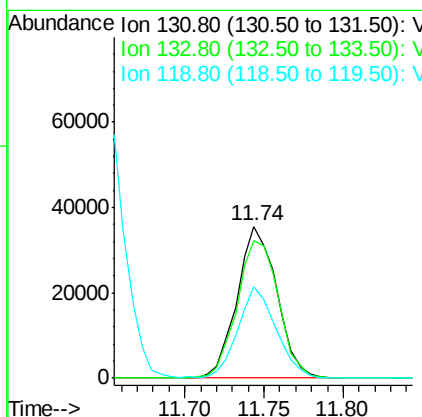
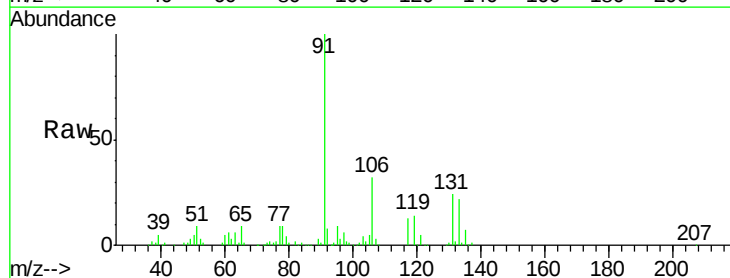
Manual Integrations
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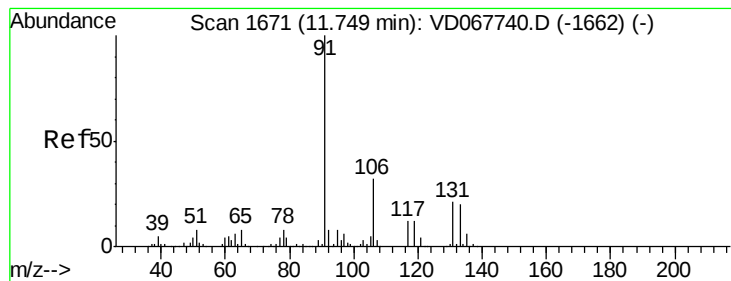
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.109 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion:131 Resp: 62056
Ion Ratio Lower Upper
131 100
133 94.7 49.0 147.0
119 57.8 28.8 86.5





#67

Ethyl Benzene

Concen: 20.840 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleID :

VD1123SBS01

Tot Ion: 91 Resp: 261468

Ion Ratio Lower Upper

91 100

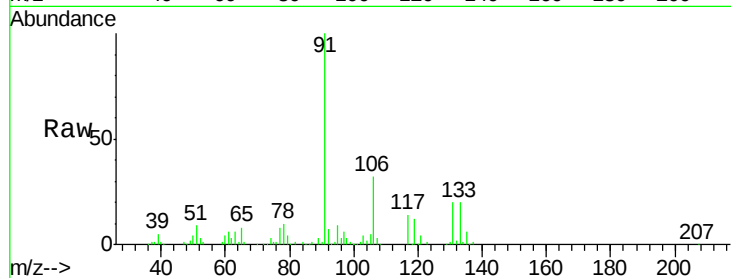
106 31.5 25.7 38.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD067745.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD067745.D (-1662) (-)

250000

200000

150000

100000

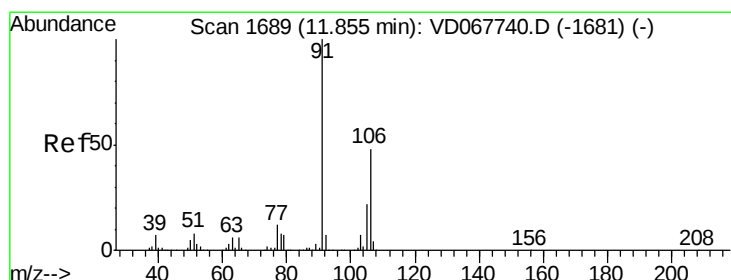
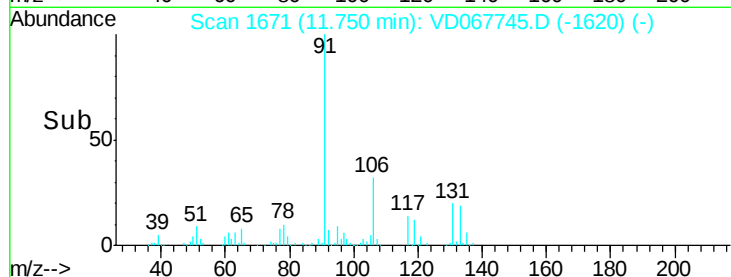
50000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 42.339 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067745.D

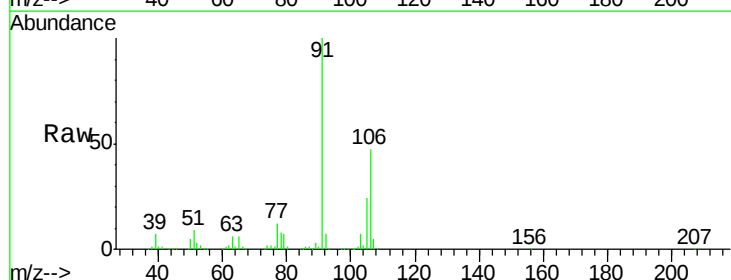
Acq: 23 Nov 2020 14:59

Tgt Ion: 106 Resp: 206717

Ion Ratio Lower Upper

106 100

91 203.8 163.0 244.6



Abundance Ion 106.00 (105.70 to 106.70): VD067745.D (-1681) (-)

Ion 91.00 (90.70 to 91.70): VD067745.D (-1681) (-)

250000

200000

150000

100000

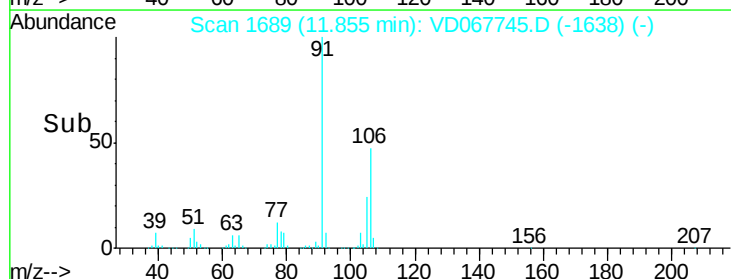
50000

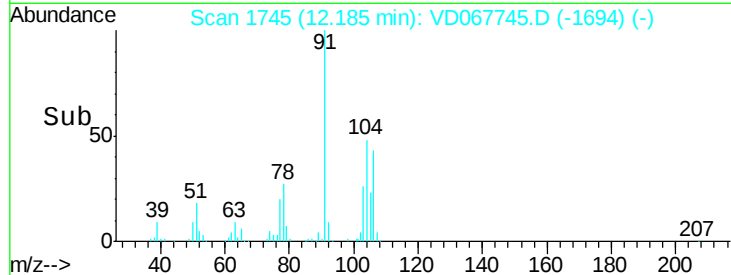
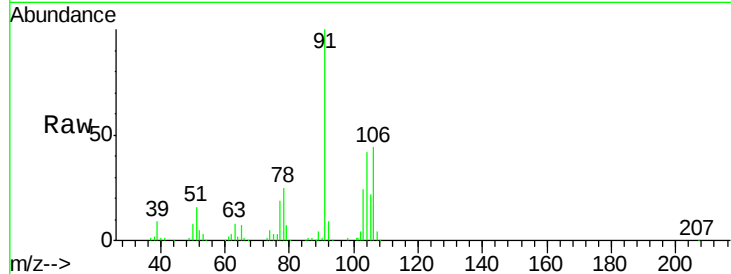
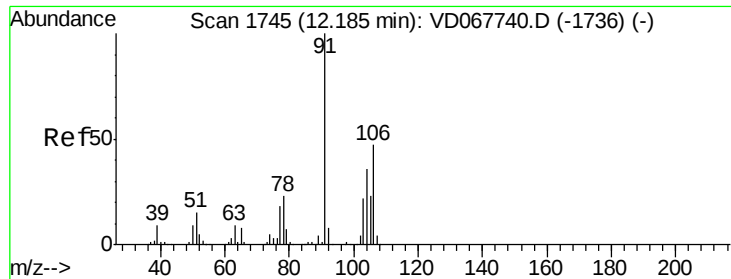
0

11.86

11.90

Time-->





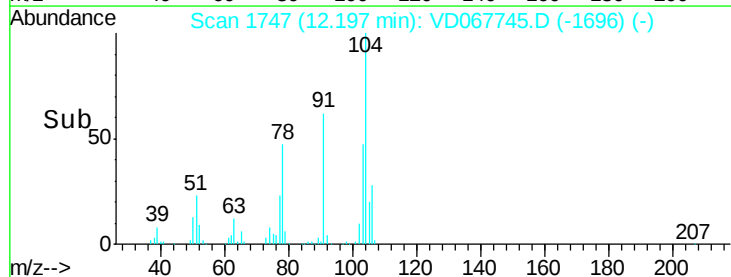
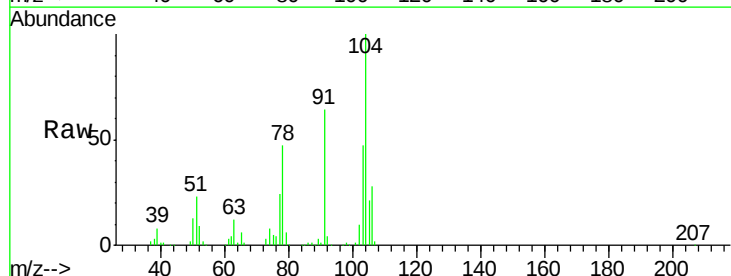
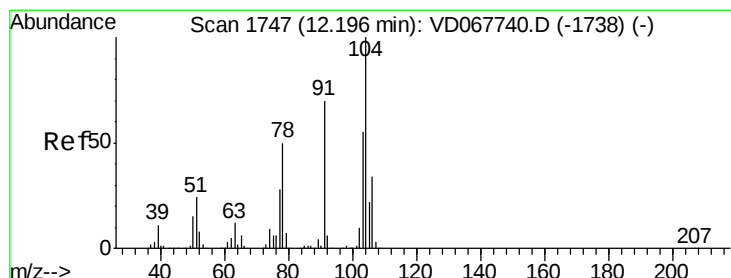
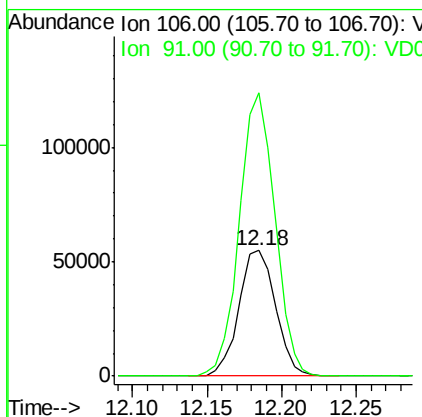
#69
o-Xylene
Concen: 21.056 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tot Ion:106 Resp: 93601
Ion Ratio Lower Upper
106 100
91 218.4 106.2 318.6

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

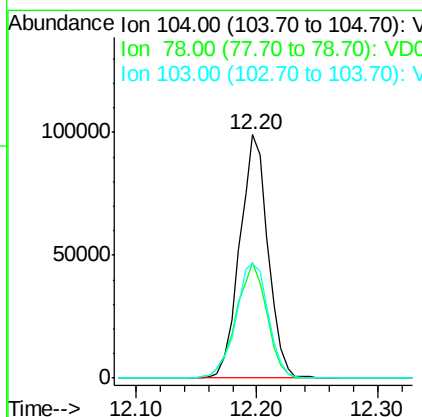
Manual Integrations
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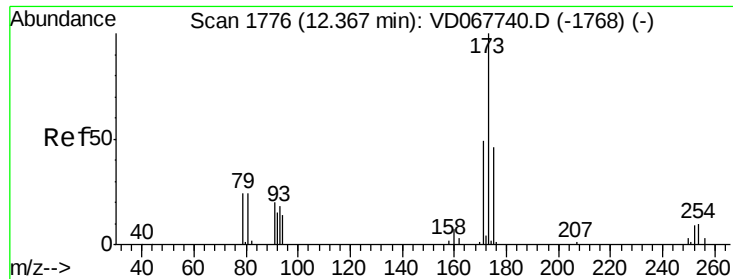
MMDadoda
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#70
Styrene
Concen: 21.314 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion:104 Resp: 161386
Ion Ratio Lower Upper
104 100
78 51.7 41.9 62.9
103 53.9 44.1 66.1





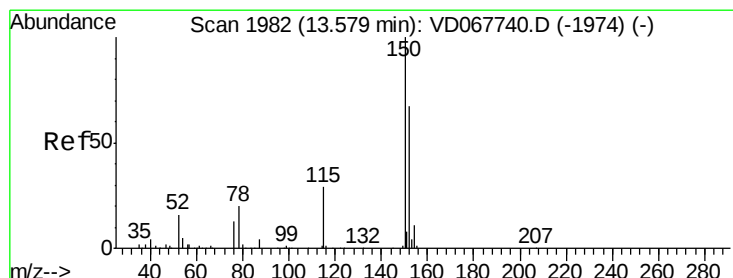
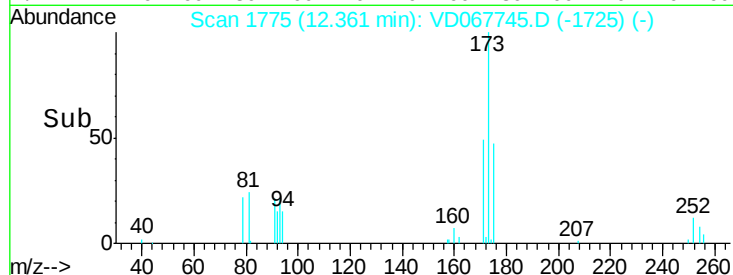
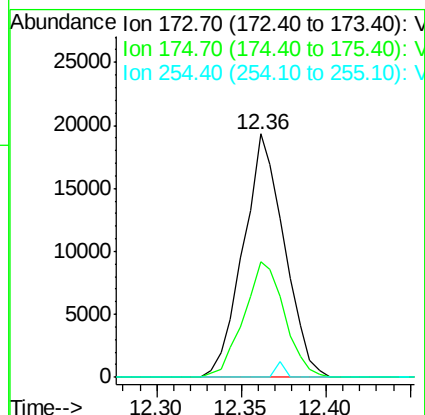
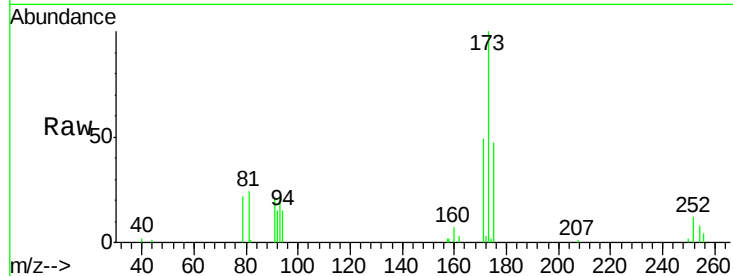
#71
Bromoform
Concen: 20.502 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.9	71.7
254	1.3	0.0	0.0

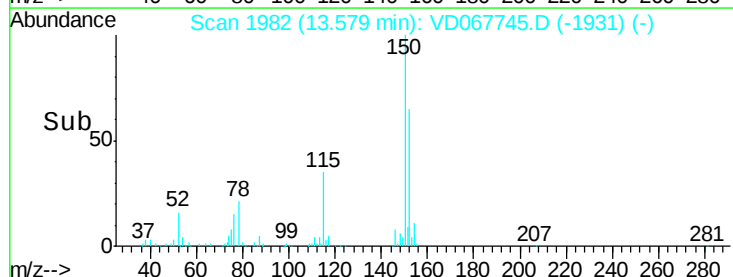
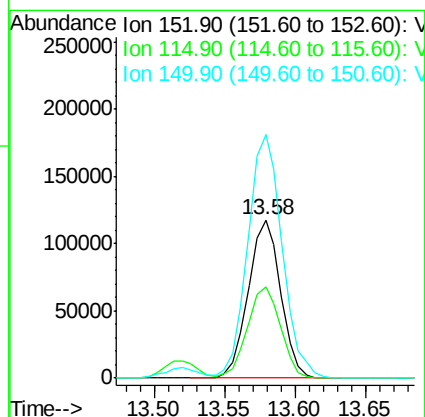
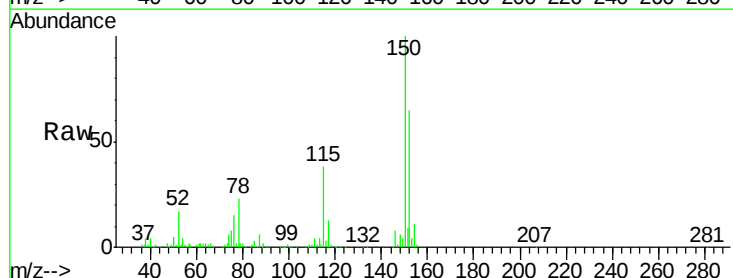
Manual Integrations
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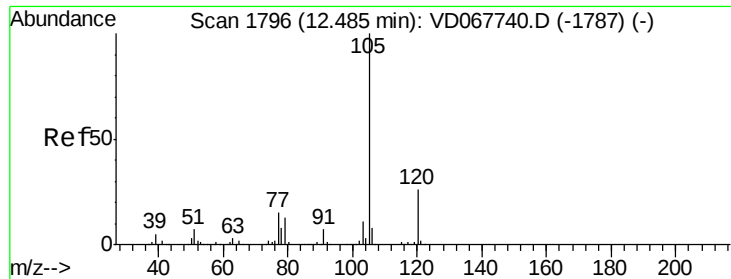
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.4	88.3
150	162.9	0.0	340.6





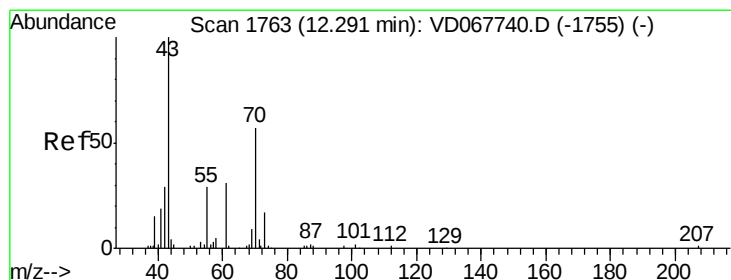
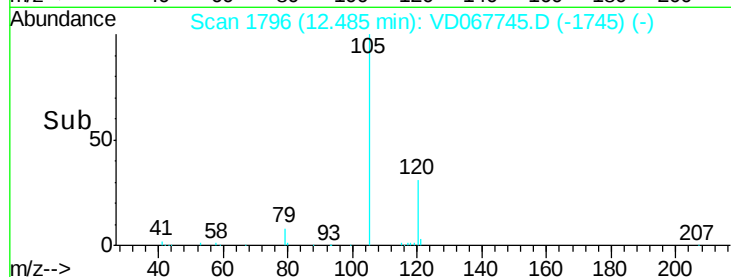
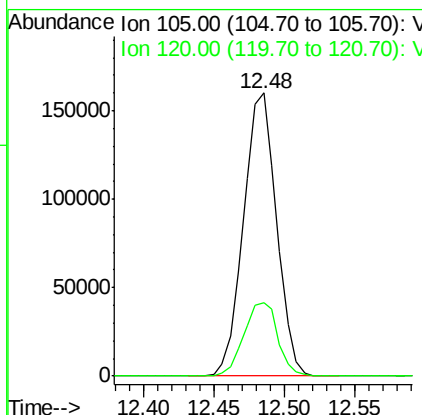
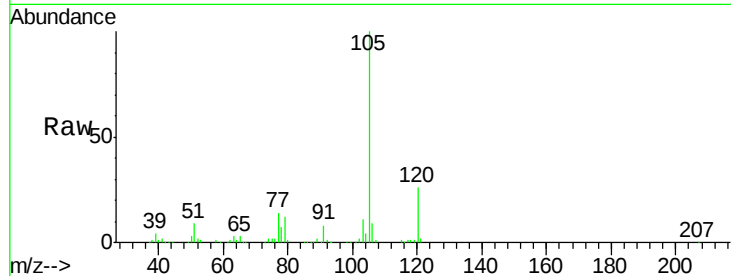
#73
Isopropylbenzene
Concen: 21.021 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6

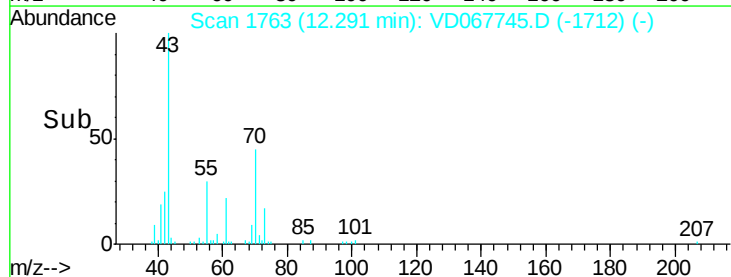
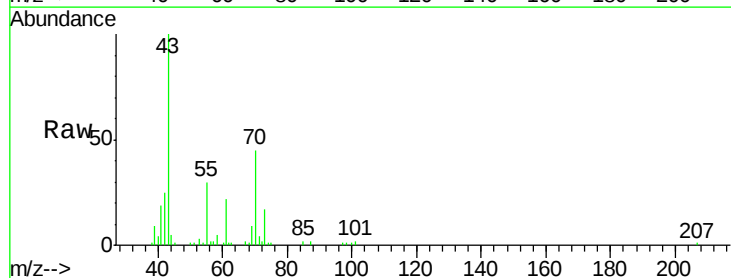
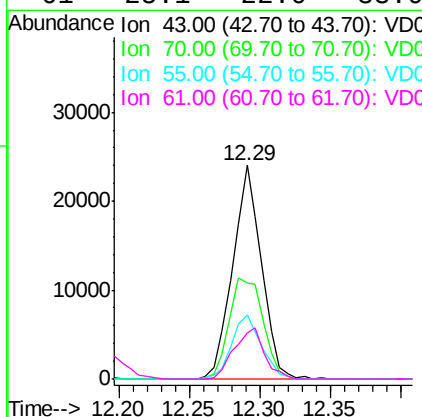
Manual Integrations
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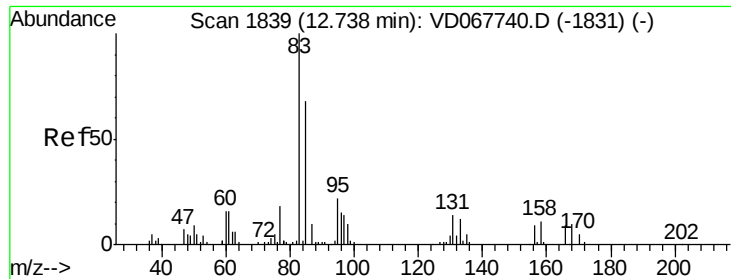
MMDadoda
11/24/2020 2:56:39 PM



#74
N-ethyl acetate
Concen: 20.705 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	55.6	44.6	66.8
55	31.0	24.2	36.2
61	25.1	22.0	33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.823 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

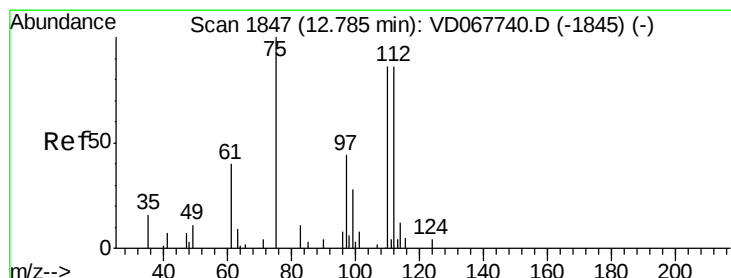
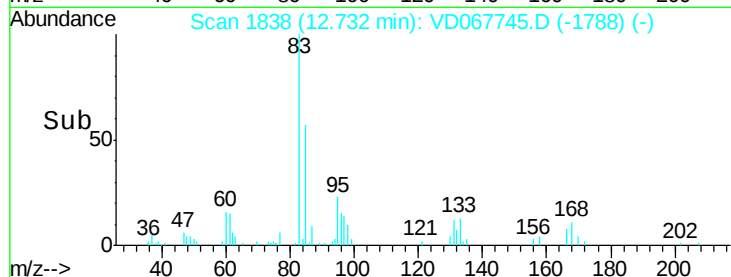
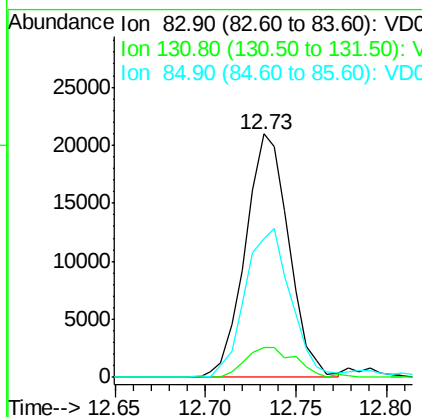
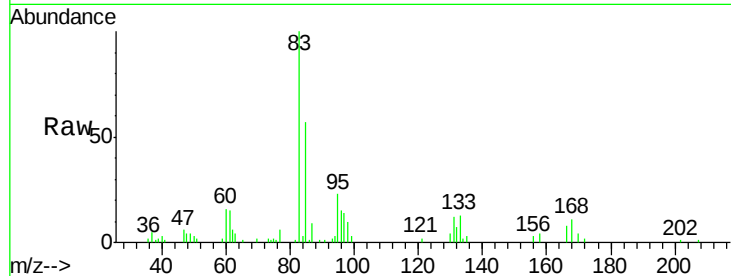
ClientSampleId :

VD1123SBS01

Tot Ion:	83	Resp:	34967
Ion Ratio	Lower	Upper	
83	100		
131	14.0	8.1	24.1
85	64.2	33.9	101.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.442 ug/l m

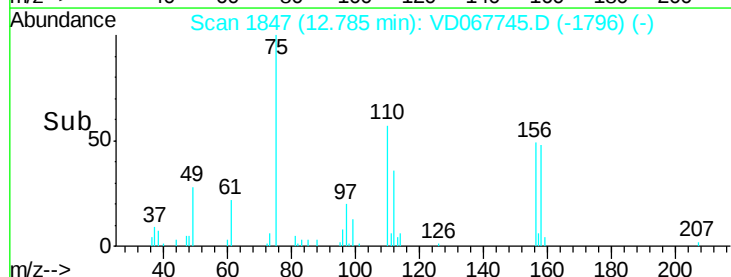
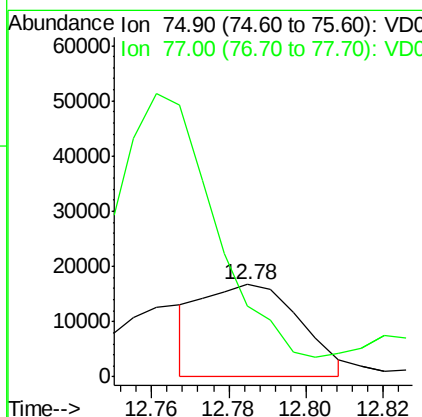
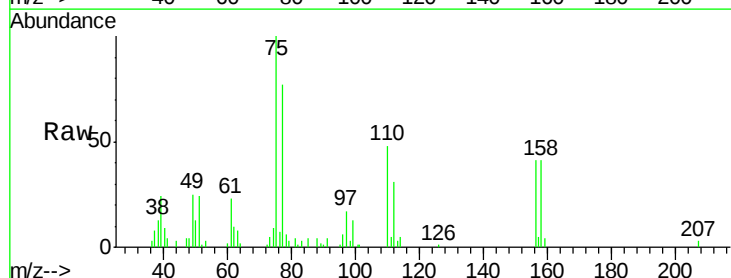
RT: 12.78 min Scan# 1847

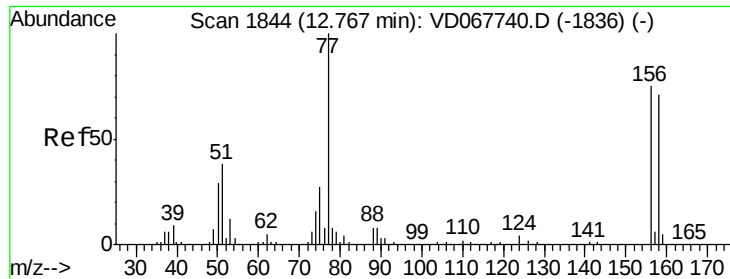
Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Tgt Ion:	75	Resp:	29745
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





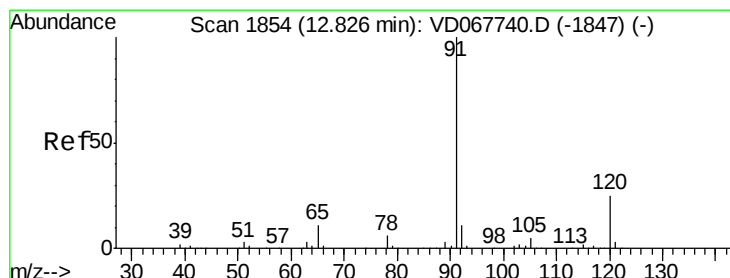
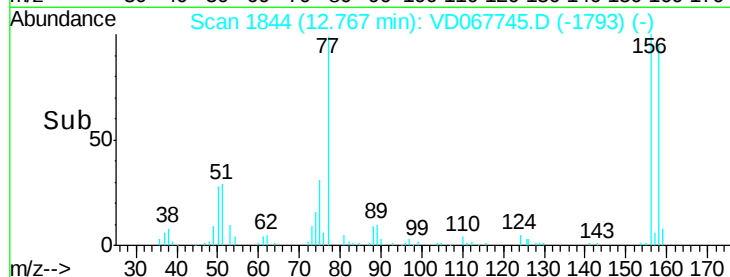
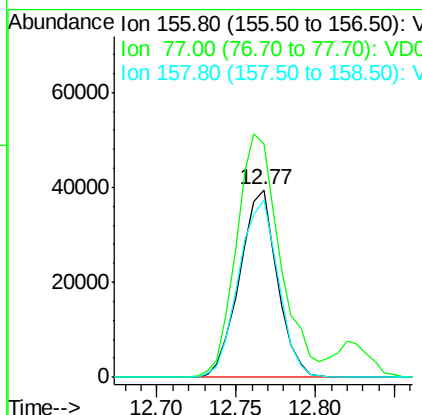
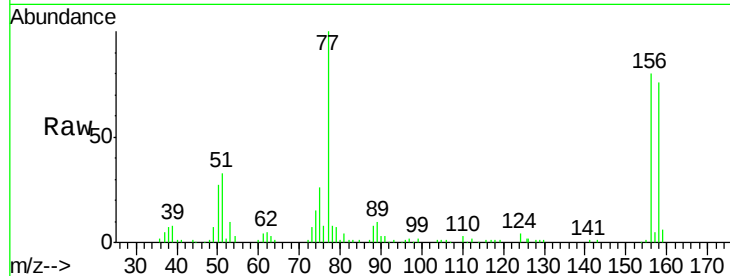
#77
Bromobenzene
Concen: 20.833 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.3	73.5	220.3
158	99.4	48.1	144.4

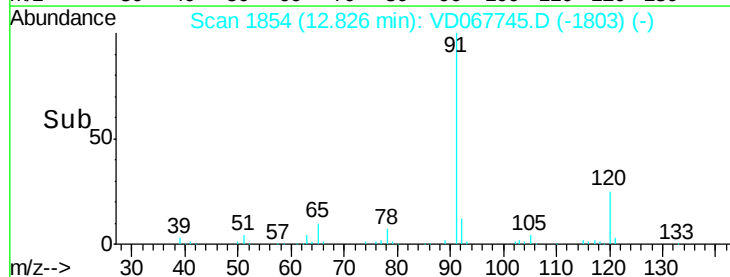
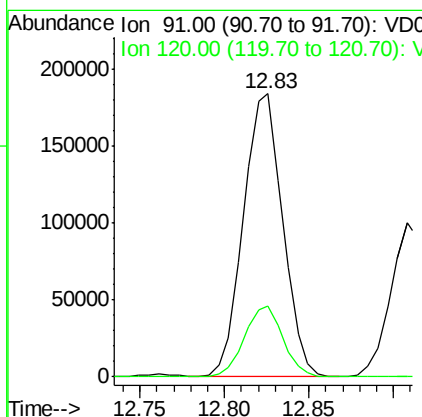
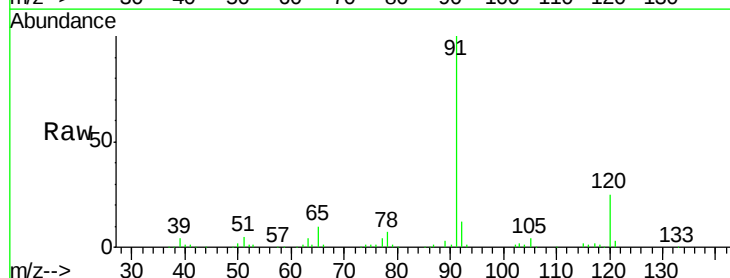
Manual Integrations
APPROVED

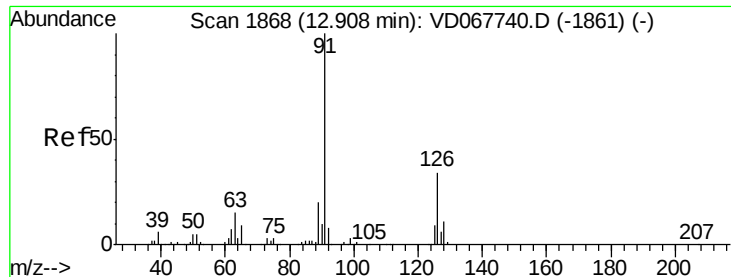
MMDadoda
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#78
n-propylbenzene
Concen: 21.356 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.4	37.4





#79

2-Chlorotoluene

Concen: 20.430 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 91 Resp: 168386

Ion Ratio Lower Upper

91 100

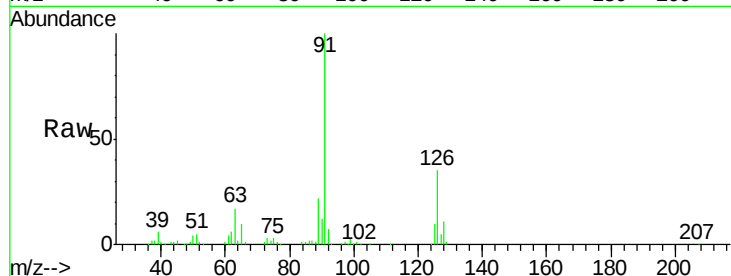
126 35.4 17.9 53.7

Manual Integrations

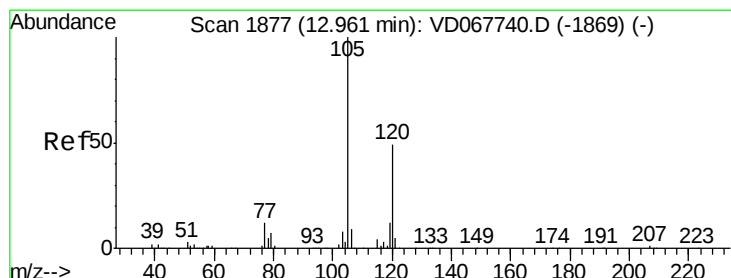
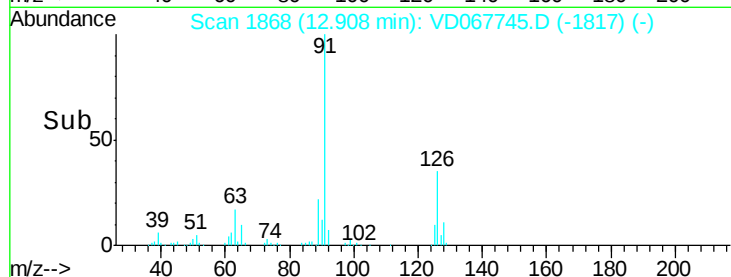
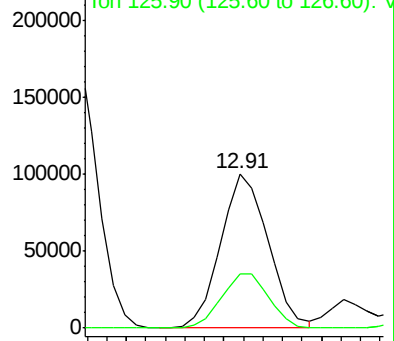
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Abundance Ion 91.00 (90.70 to 91.70): VD067740.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.102 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067745.D

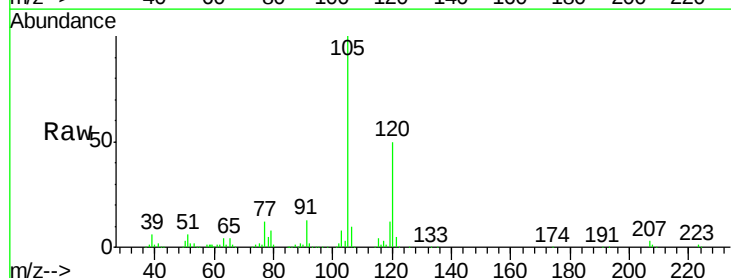
Acq: 23 Nov 2020 14:59

Tgt Ion:105 Resp: 229660

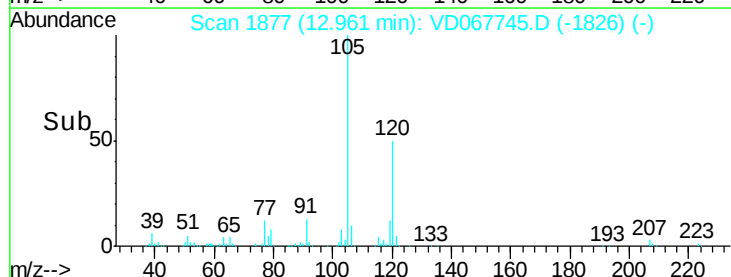
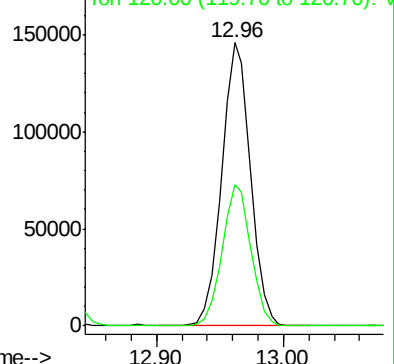
Ion Ratio Lower Upper

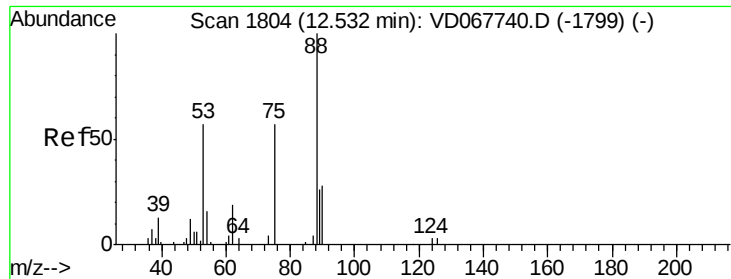
105 100

120 49.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VD067740.D (-1869) (-)





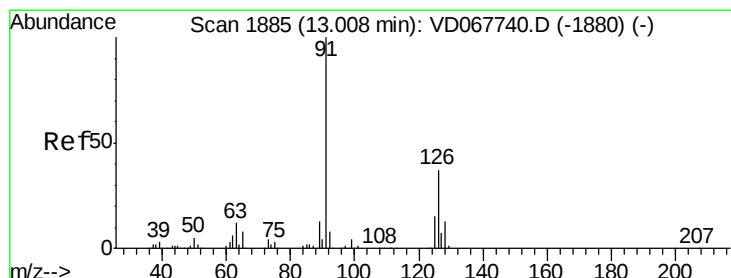
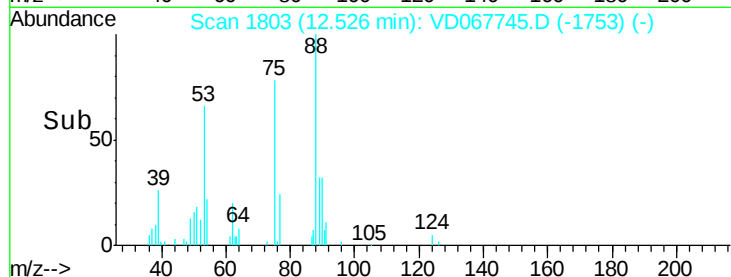
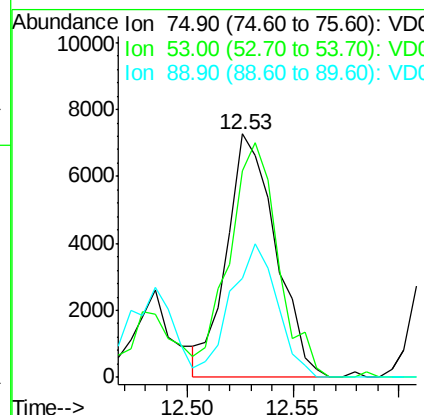
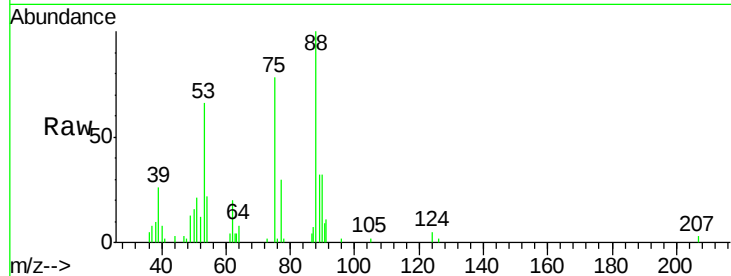
#81
trans-1,4-Dichloro-2-butene
Concen: 20.565 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	76.0	114.0
89	52.5	40.2	60.4

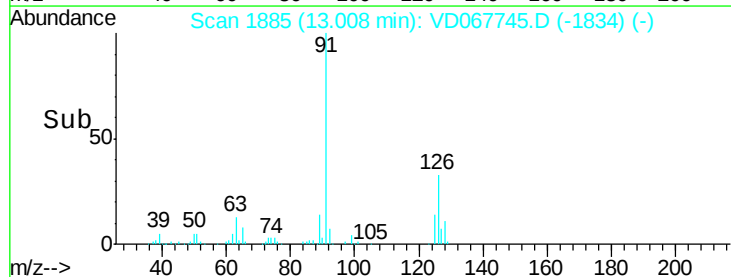
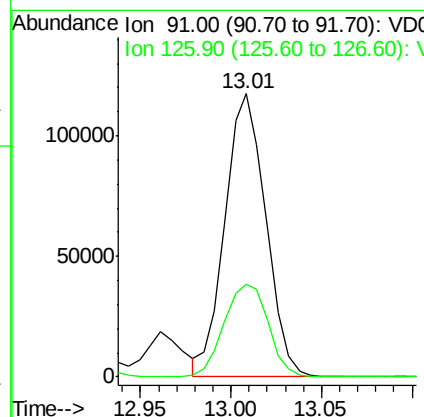
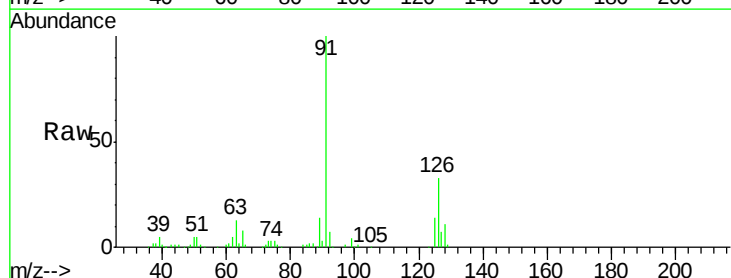
Manual Integrations
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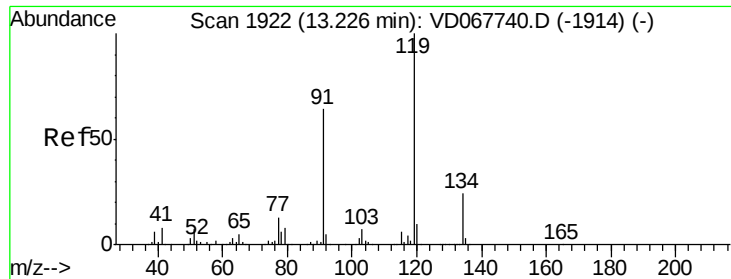
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#82
4-Chlorotoluene
Concen: 20.893 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.7	53.1





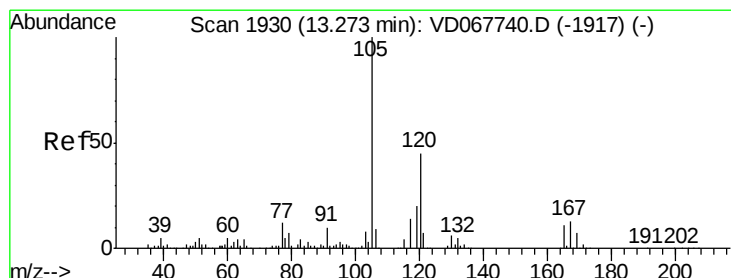
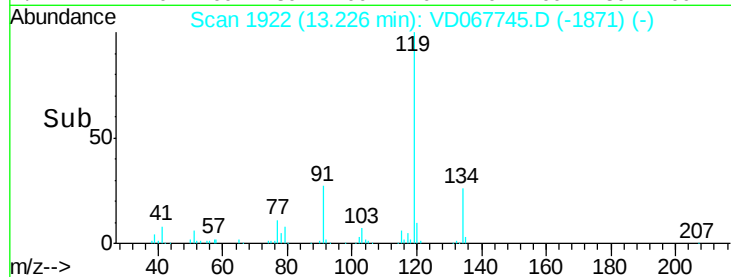
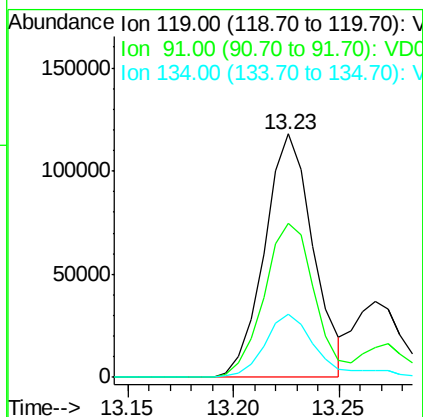
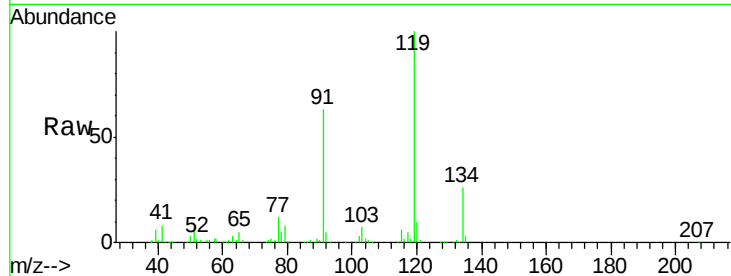
#83
tert-Butylbenzene
Concen: 20.199 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	188901		
91	66.3	32.9	98.7	
134	28.4	12.9	38.6	

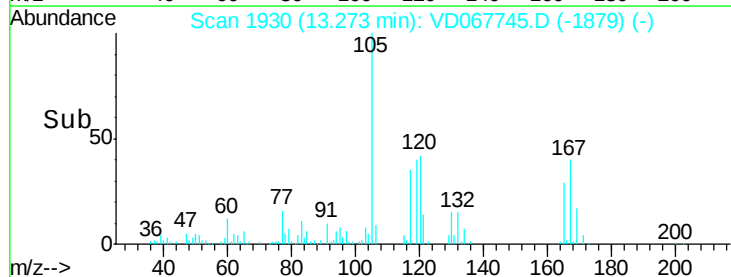
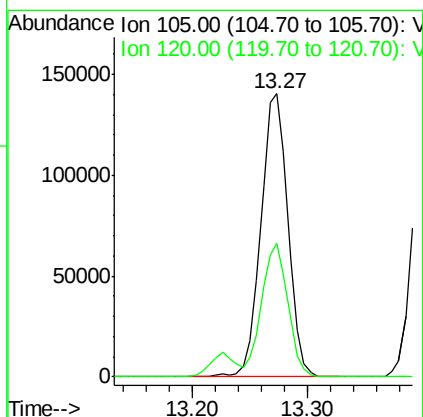
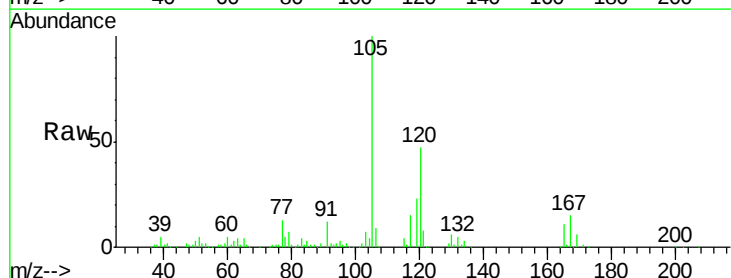
Manual Integrations
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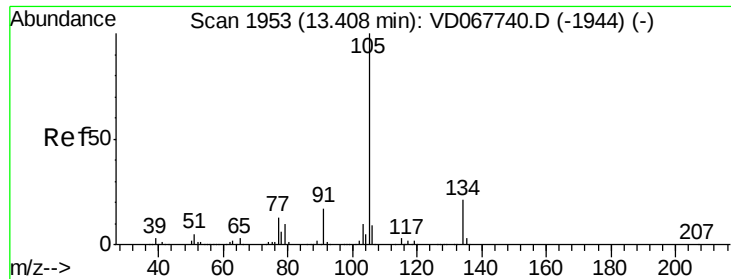
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.124 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229652		
120	45.8	22.6	67.7	





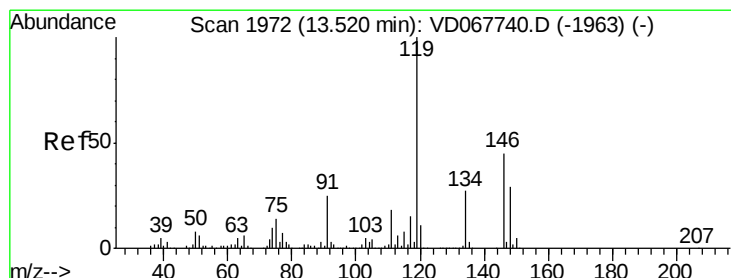
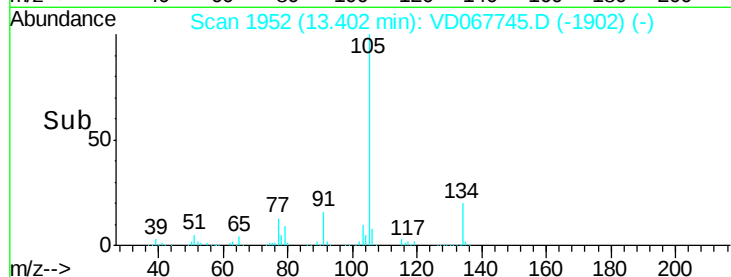
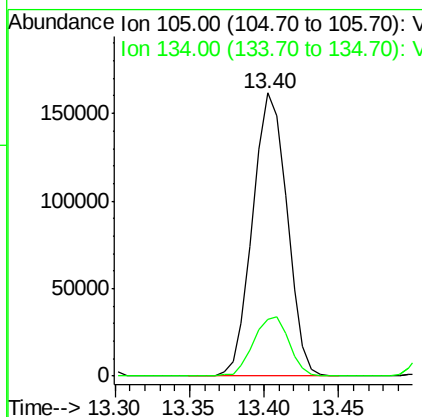
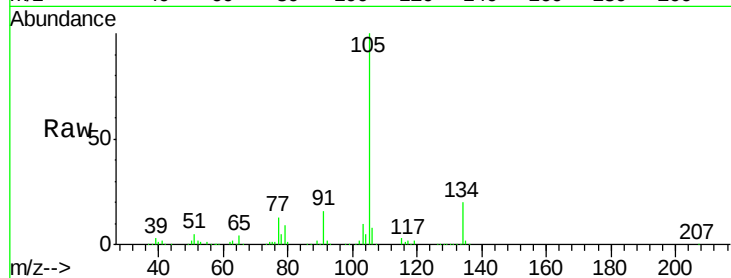
#85
 sec-Butylbenzene
 Concen: 20.982 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.7	32.1

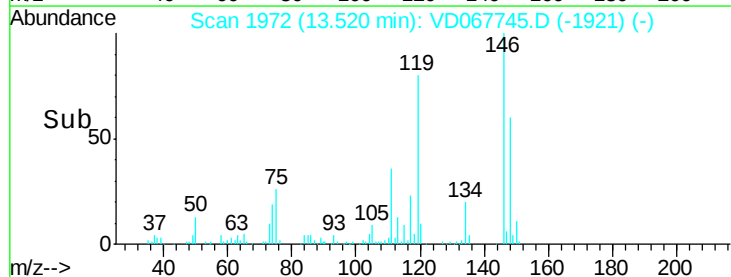
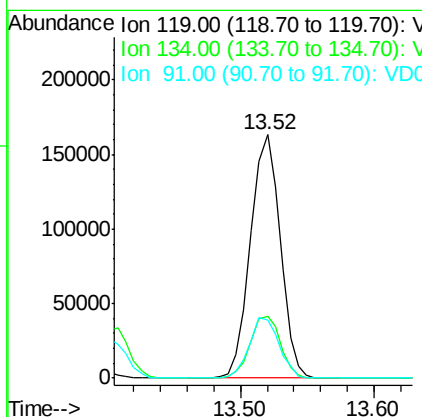
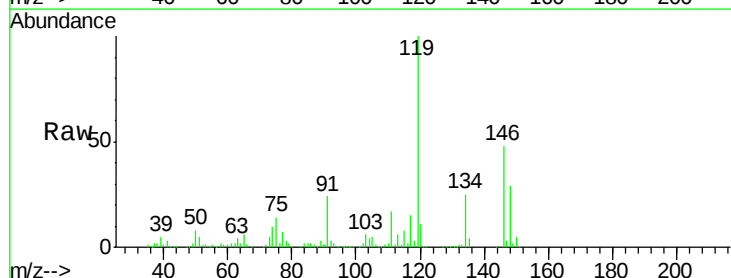
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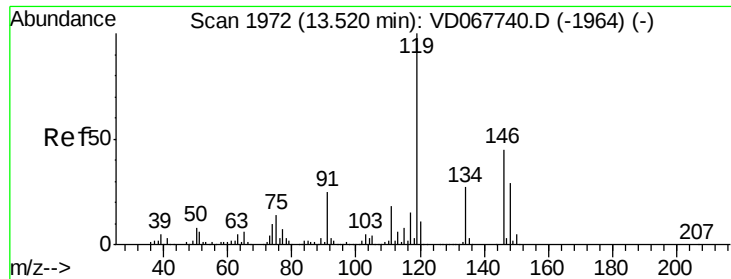
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.093 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	25.0	12.7	38.1





#87

1,3-Dichlorobenzene

Concen: 21.101 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

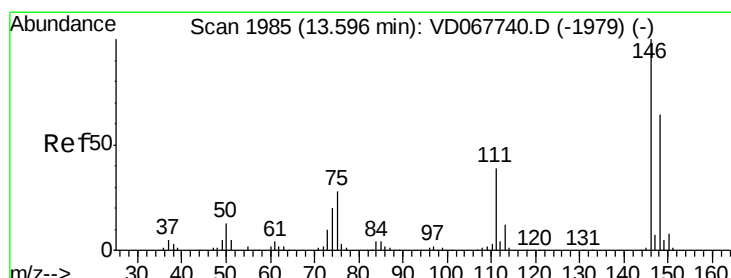
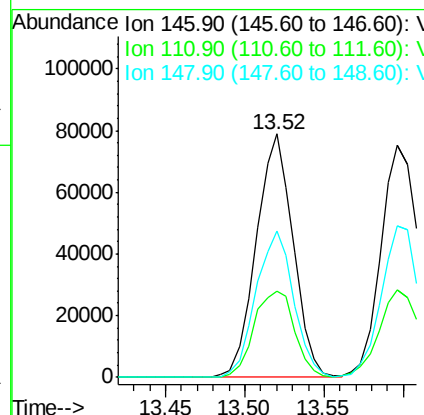
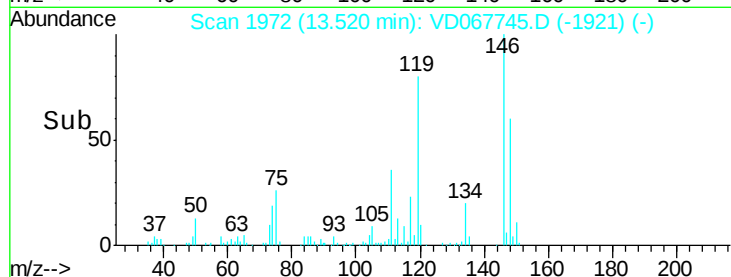
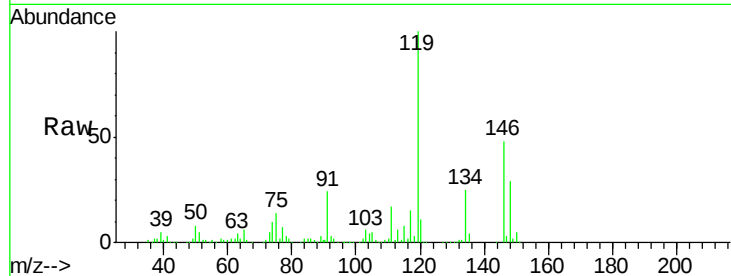
Instrument :
MSVOA_D

ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.2	60.6
148	61.5	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.627 ug/l

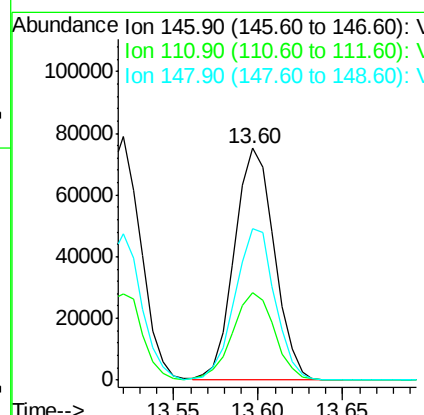
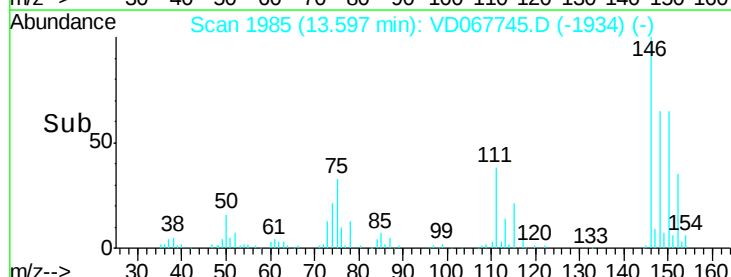
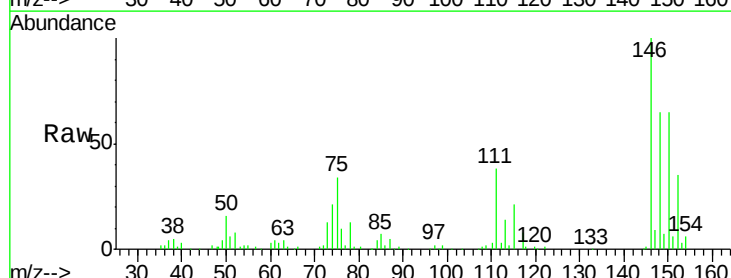
RT: 13.60 min Scan# 1985

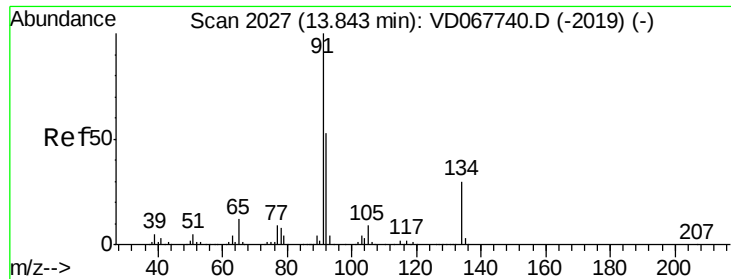
Delta R.T. 0.00 min

Lab File: VD067745.D

Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.4
148	65.5	31.6	94.8





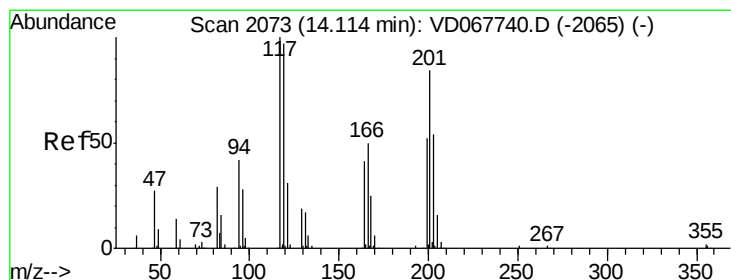
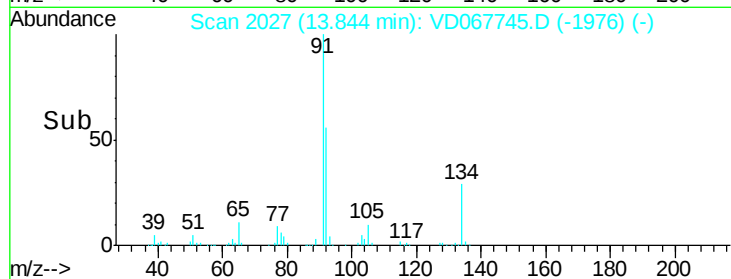
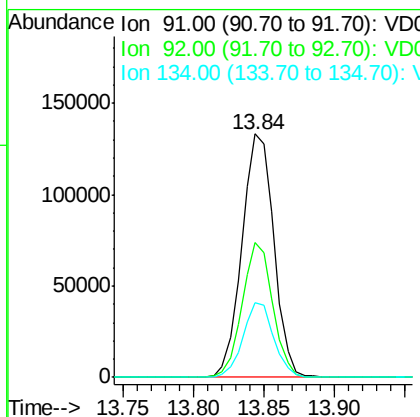
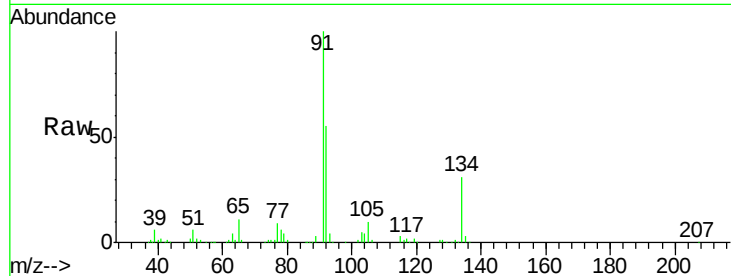
#89
n-Butylbenzene
Concen: 20.660 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	29.8	14.8	44.3

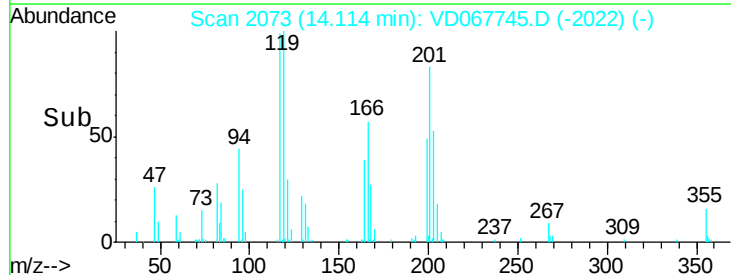
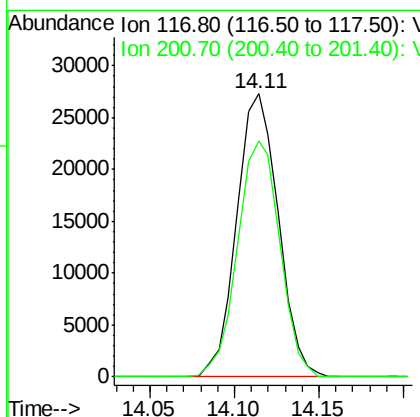
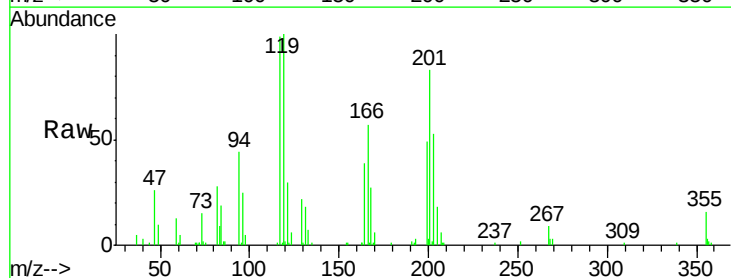
Manual Integrations
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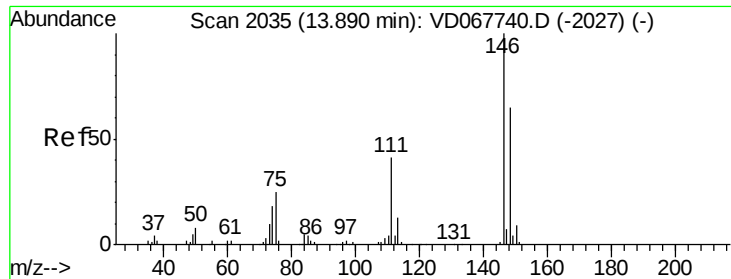
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#90
Hexachloroethane
Concen: 20.655 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	42.2	126.6





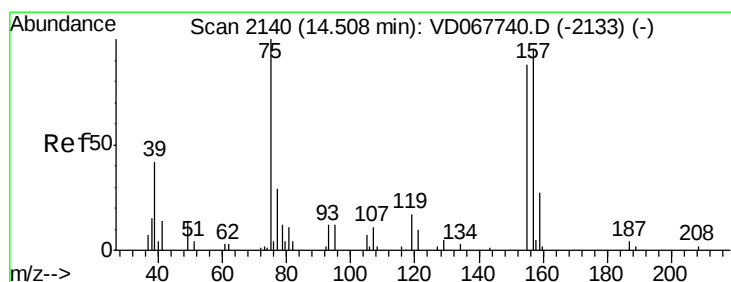
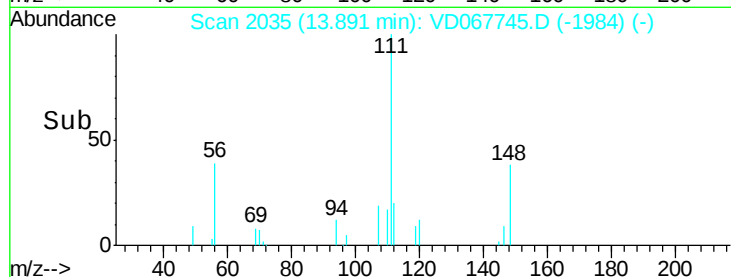
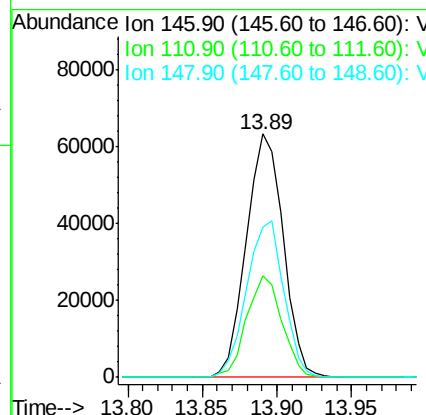
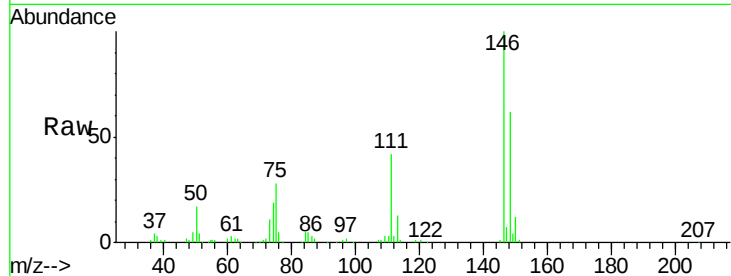
#91
 1,2-Dichlorobenzene
 Concen: 20.796 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.8	62.5
148	64.4	32.4	97.2

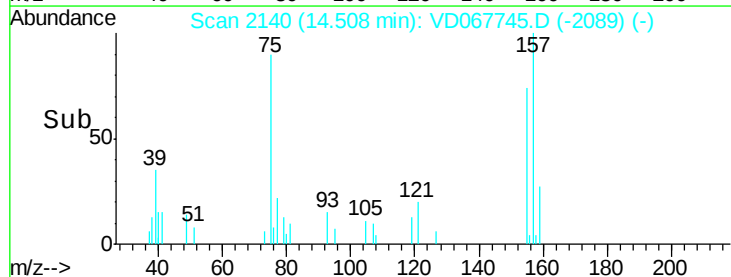
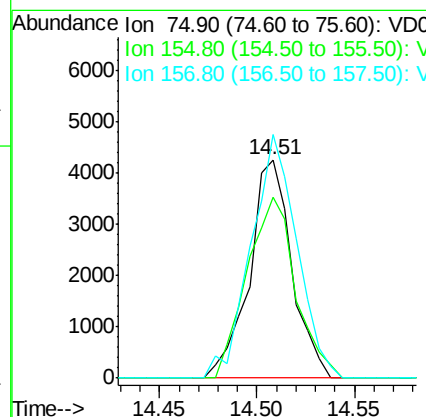
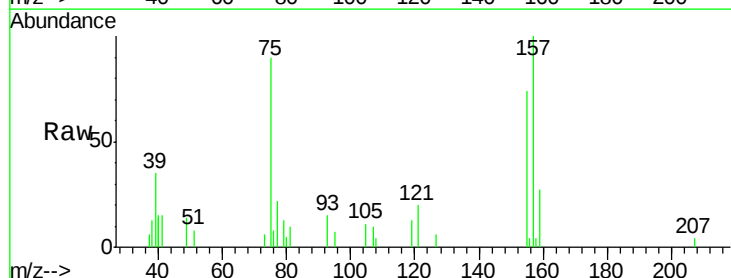
Manual Integrations
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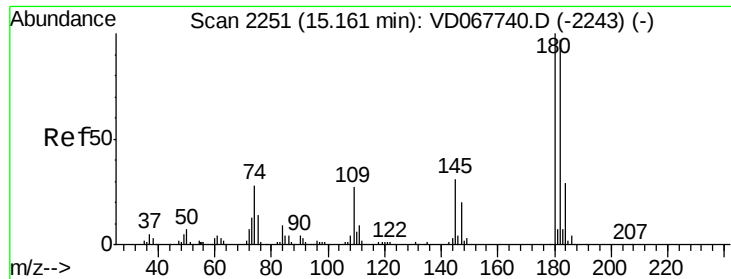
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.711 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.1	41.0	123.0
157	120.8	51.1	153.4





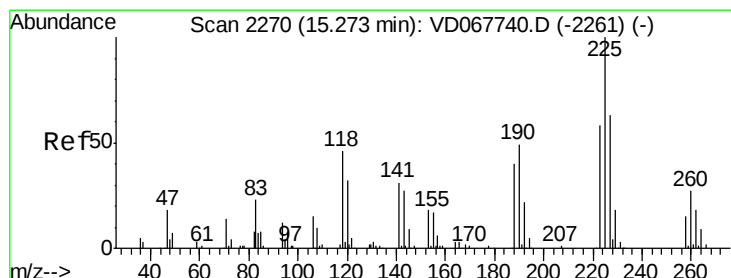
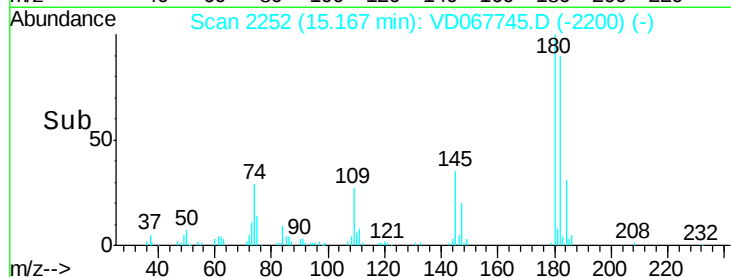
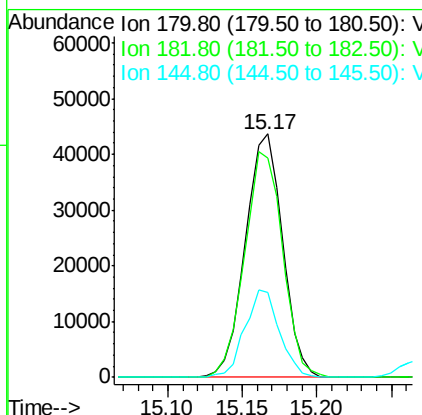
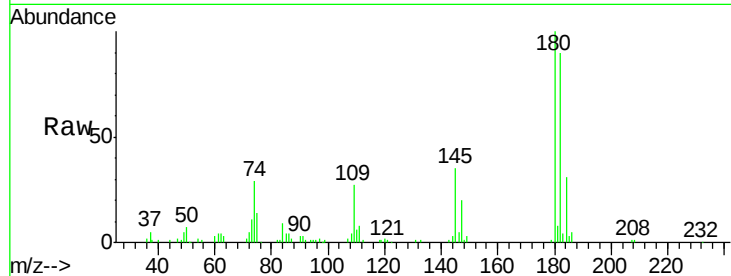
#93
 1,2,4-Trichlorobenzene
 Concen: 20.375 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	33.3	16.1	48.3

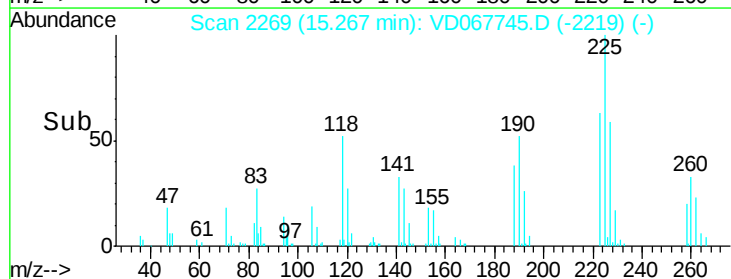
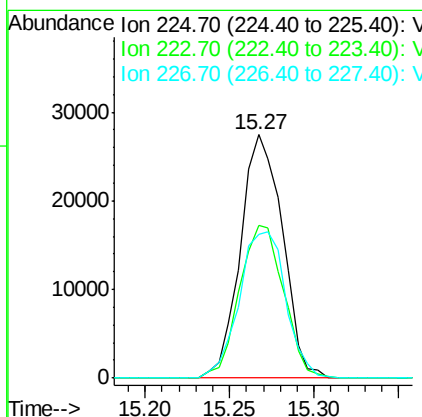
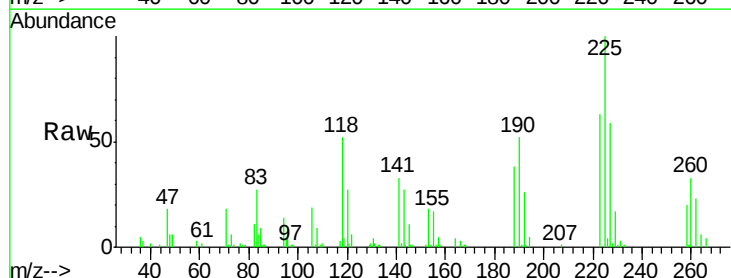
Manual Integrations
 APPROVED

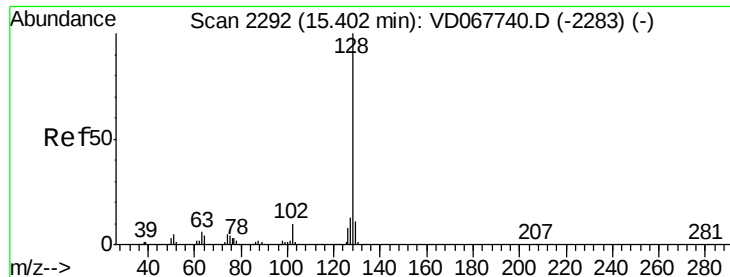
MMDadoda
 11/24/2020 2:56:39 PM



#94
 Hexachlorobutadiene
 Concen: 20.122 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067745.D
 Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	31.5	94.5
227	66.7	32.9	98.7





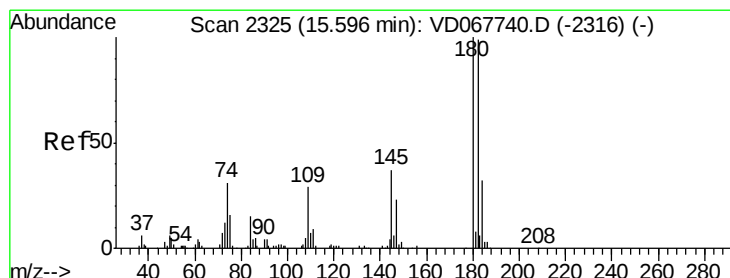
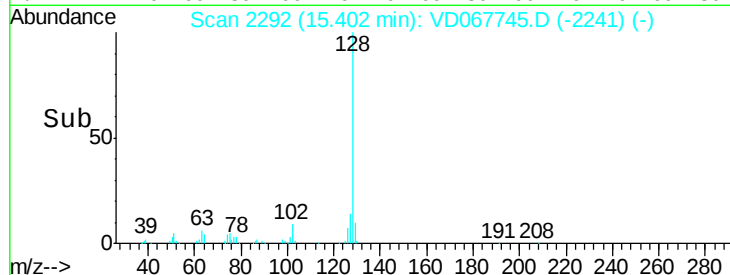
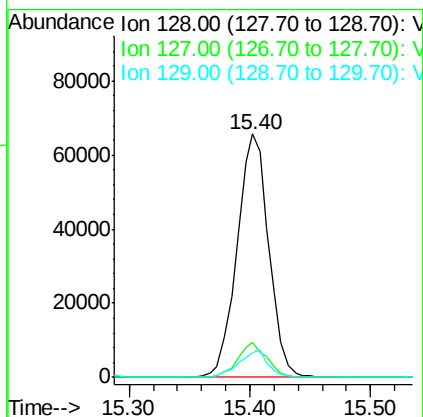
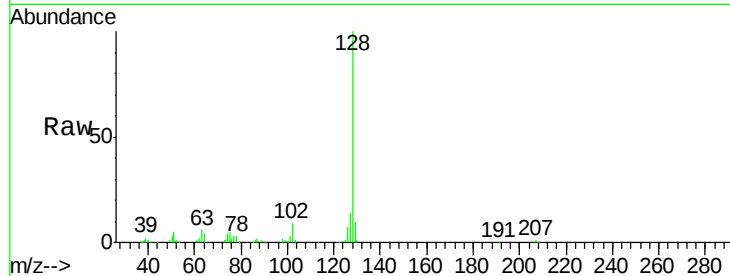
#95
Naphthalene
Concen: 19.987 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	119605		
127	13.2		10.7	16.1
129	10.1		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.607 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067745.D
Acq: 23 Nov 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	64901		
182	92.7		48.0	144.0
145	33.8		16.8	50.4

