

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
 Data File : VD067558.D
 Acq On : 09 Nov 2020 11:45
 Operator : VA/SY
 Sample : VD1109SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:11:50 PM

Quant Time: Nov 10 00:38:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	299192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	435705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	390493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	196017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	128959	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.92	113	125073	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	10.34	98	447021	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.64	95	162834	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	60922	22.669	ug/l	92
3) Chloromethane	2.21	50	36705	19.701	ug/l	98
4) Vinyl Chloride	2.35	62	39937	19.226	ug/l	100
5) Bromomethane	2.76	94	32039	19.030	ug/l	97
6) Chloroethane	2.91	64	26072	20.359	ug/l	95
7) Trichlorofluoromethane	3.27	101	117403	21.828	ug/l	96
8) Diethyl Ether	3.71	74	23722	21.889	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	56534	20.824	ug/l	96
10) Methyl Iodide	4.30	142	55852	19.195	ug/l	98
11) Tert butyl alcohol	5.22	59	15862	131.090	ug/l	98
12) 1,1-Dichloroethene	4.07	96	53774	21.534	ug/l	84
13) Acrolein	3.91	56	6566	78.486	ug/l	93
14) Allyl chloride	4.71	41	54901	20.542	ug/l	99
15) Acrylonitrile	5.43	53	43233	107.917	ug/l	96
16) Acetone	4.16	43	39340	100.489	ug/l	100
17) Carbon Disulfide	4.41	76	155018	20.258	ug/l	95
18) Methyl Acetate	4.71	43	17696	21.874	ug/l #	70
19) Methyl tert-butyl Ether	5.47	73	108415	22.010	ug/l	96
20) Methylene Chloride	4.97	84	65012	23.509	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	60016	20.634	ug/l	91
22) Diisopropyl ether	6.36	45	112577	21.615	ug/l	94
23) Vinyl Acetate	6.31	43	290343	106.499	ug/l	97
24) 1,1-Dichloroethane	6.26	63	91018	21.362	ug/l	99
25) 2-Butanone	7.21	43	46560	111.304	ug/l	98
26) 2,2-Dichloropropane	7.21	77	94691	21.057	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	64001	21.200	ug/l	99
28) Bromochloromethane	7.54	49	29259	19.305	ug/l	95
29) Tetrahydrofuran	7.56	42	27703	110.559	ug/l	98
30) Chloroform	7.71	83	109985	21.637	ug/l	99
31) Cyclohexane	7.99	56	74410	19.611	ug/l #	87
32) 1,1,1-Trichloroethane	7.91	97	113253	21.594	ug/l	98
36) 1,1-Dichloropropene	8.11	75	80730	21.646	ug/l	97
37) Ethyl Acetate	7.29	43	22942	23.694	ug/l	95
38) Carbon Tetrachloride	8.10	117	109478	22.593	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	94849	21.608	ug/l	95
40) Benzene	8.36	78	218900	21.668	ug/l	99
41) Methacrylonitrile	7.53	41	9856	17.029	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	71005	22.748	ug/l	97
43) Isopropyl Acetate	8.46	43	41414	21.627	ug/l	98
44) Trichloroethene	9.11	130	73490	22.124	ug/l	86
45) 1,2-Dichloropropane	9.39	63	46317	21.205	ug/l	99
46) Dibromomethane	9.47	93	29864	21.504	ug/l	98
47) Bromodichloromethane	9.67	83	81227	21.519	ug/l	100
48) Methyl methacrylate	9.46	41	20367	20.599	ug/l #	90
49) 1,4-Dioxane	9.47	88	6849	485.792	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	106967	116.799	ug/l	100
52) Toluene	10.41	92	148595	21.960	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	73539	22.747	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	83478	21.733	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	40361	21.965	ug/l	98
56) Ethyl methacrylate	10.67	69	42121	22.197	ug/l	95
57) 1,3-Dichloropropane	10.95	76	63818	21.582	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	98357	111.151	ug/l	100
59) 2-Hexanone	10.99	43	72478	113.186	ug/l	96
60) Dibromochloromethane	11.14	129	62839	23.118	ug/l	97
61) 1,2-Dibromoethane	11.25	107	39738	21.547	ug/l	96
64) Tetrachloroethene	10.88	164	64428	22.278	ug/l	97
65) Chlorobenzene	11.67	112	164826	21.913	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	66597	22.464	ug/l	99
67) Ethyl Benzene	11.75	91	284830	22.129	ug/l	98
68) m/p-Xylenes	11.86	106	221325	44.198	ug/l	98
69) o-Xylene	12.18	106	98335	21.994	ug/l	97
70) Styrene	12.20	104	175396	22.514	ug/l	99
71) Bromoform	12.37	173	36081	23.863	ug/l #	99
73) Isopropylbenzene	12.48	105	287479	22.693	ug/l	100
74) N-amyl acetate	12.29	43	37637	22.579	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	39365	22.788	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	24355m	20.596	ug/l	
77) Bromobenzene	12.77	156	69275	22.267	ug/l	98
78) n-propylbenzene	12.83	91	331039	22.846	ug/l	99
79) 2-Chlorotoluene	12.91	91	187750	22.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	249753	23.079	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	12086	20.751	ug/l	91
82) 4-Chlorotoluene	13.01	91	202909	22.985	ug/l	99
83) tert-Butylbenzene	13.23	119	204297	22.275	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	247168	22.945	ug/l	99
85) sec-Butylbenzene	13.40	105	278757	22.515	ug/l	98
86) p-Isopropyltoluene	13.52	119	273783	22.899	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	134503	22.657	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	136936	22.780	ug/l	100
89) n-Butylbenzene	13.85	91	232264	22.490	ug/l	99
90) Hexachloroethane	14.11	117	50338	22.357	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	116913	22.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7533	24.629	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81432	23.352	ug/l	98
94) Hexachlorobutadiene	15.27	225	53074	22.741	ug/l	98
95) Naphthalene	15.40	128	124380	23.112	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	69113	23.144	ug/l	99

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

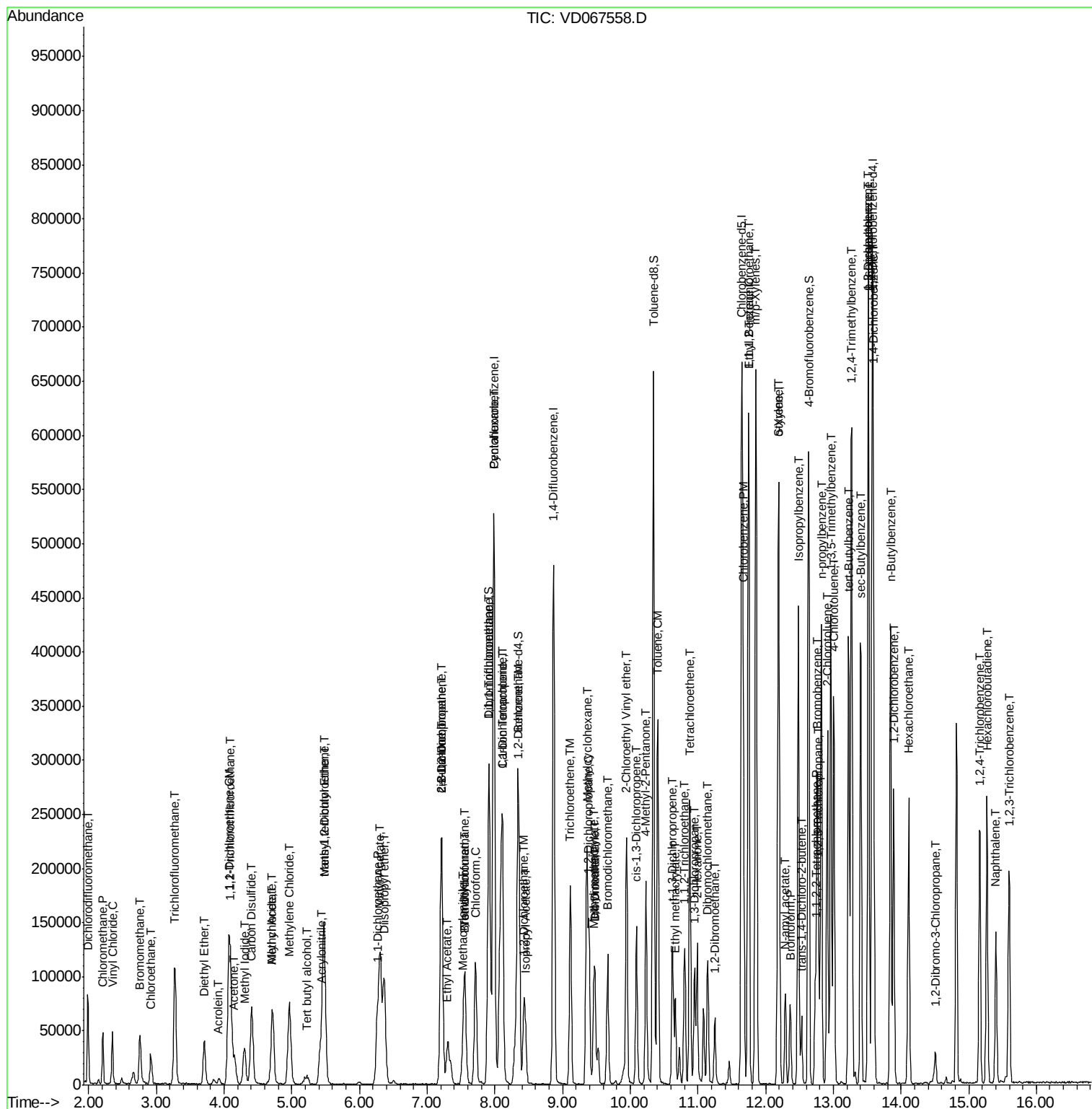
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
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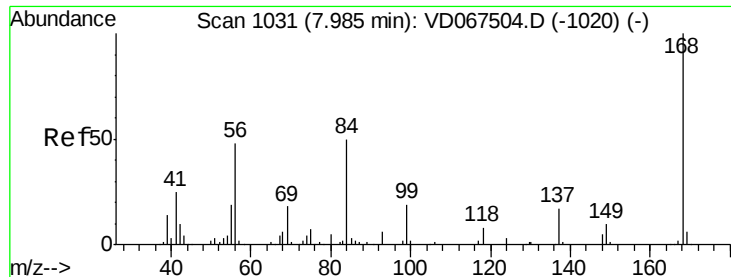
Instrument :
MSVOA_D
Client Sample Id :
VD1109SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBSD01

Tot Ion:168 Resp: 299192

Ion Ratio Lower Upper

168 100

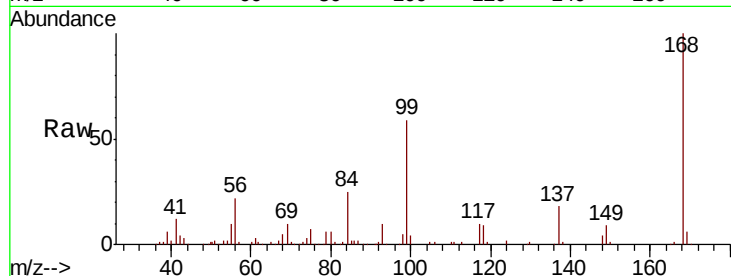
99 58.5 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

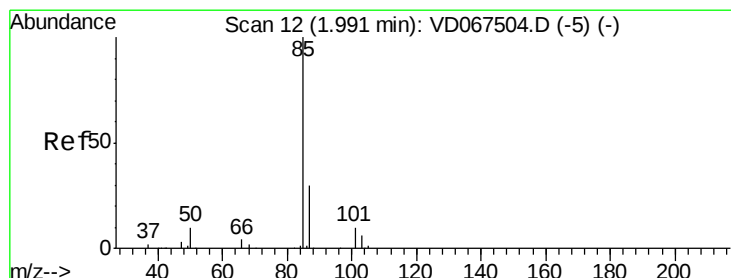
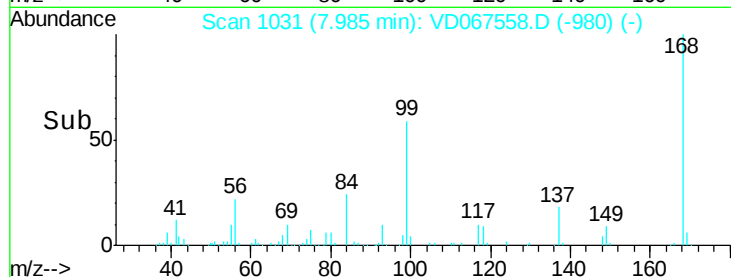
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.669 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067558.D

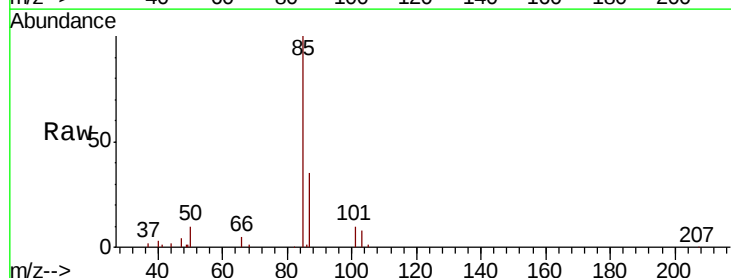
Acq: 09 Nov 2020 11:45

Tgt Ion: 85 Resp: 60922

Ion Ratio Lower Upper

85 100

87 34.8 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

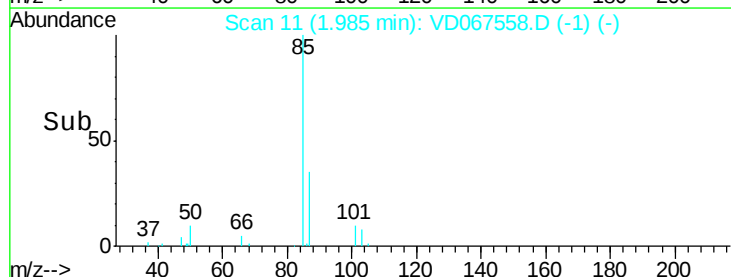
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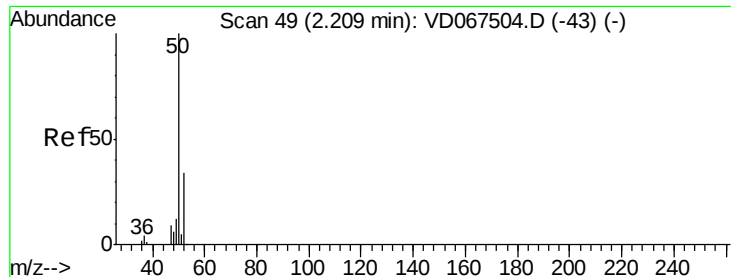
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.701 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 50 Resp: 36705

Ion Ratio Lower Upper

50 100

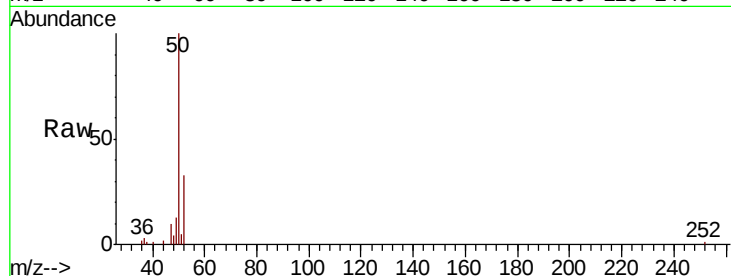
52 33.2 27.3 40.9

Manual Integrations

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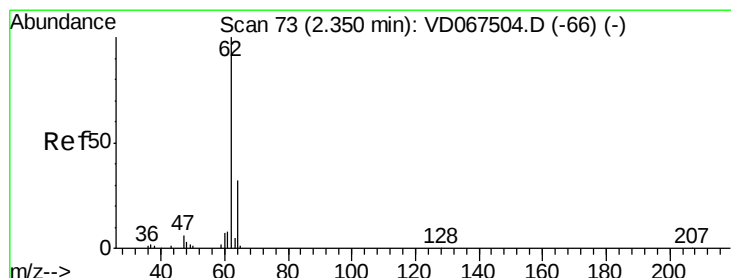
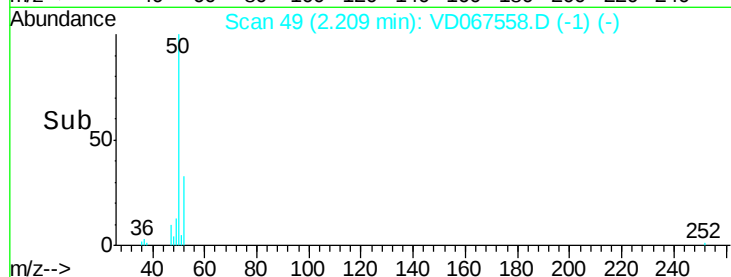
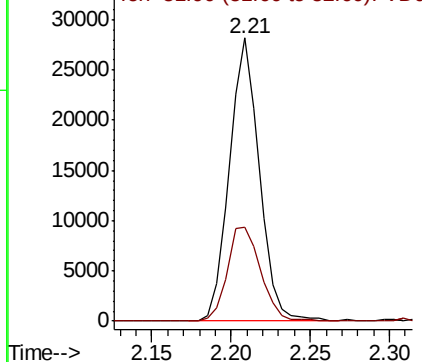
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.226 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067558.D

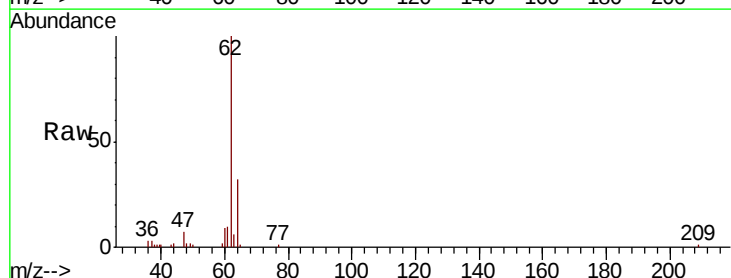
Acq: 09 Nov 2020 11:45

Tgt Ion: 62 Resp: 39937

Ion Ratio Lower Upper

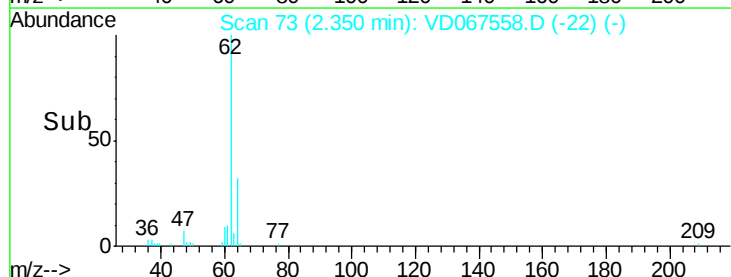
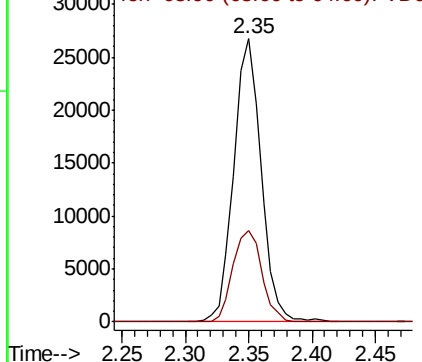
62 100

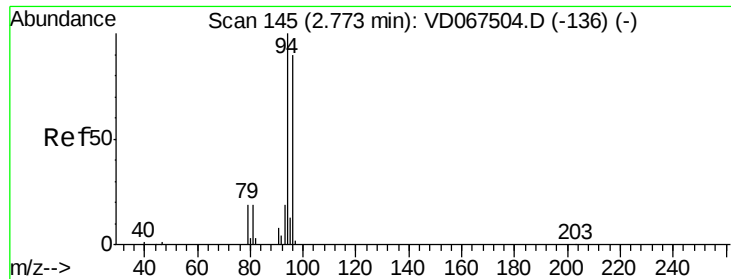
64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.030 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 94 Resp: 32039

Ion Ratio Lower Upper

94 100

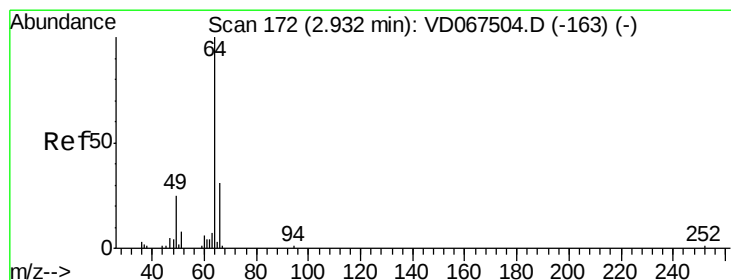
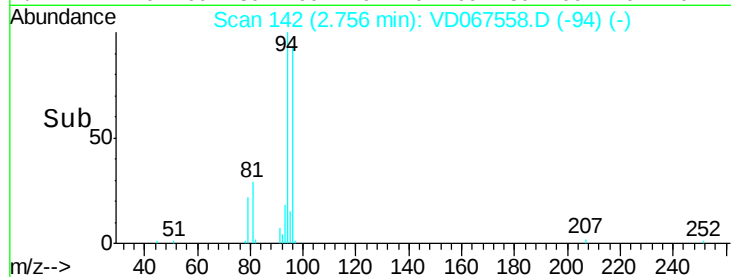
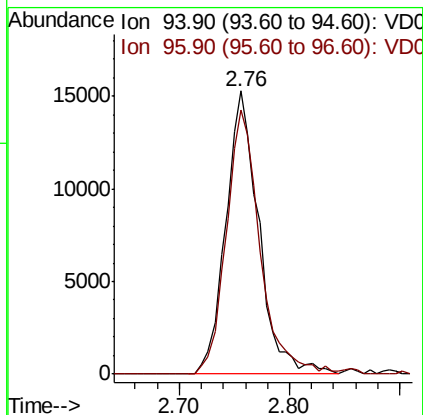
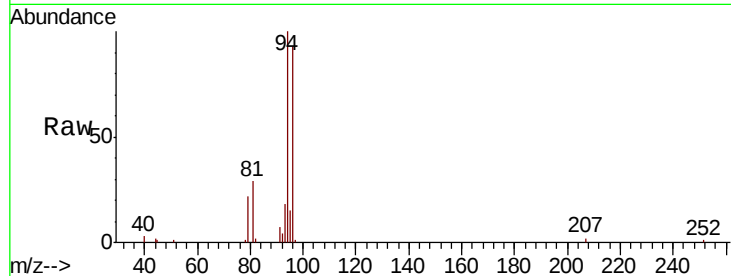
96 93.2 72.2 108.2

Manual Integrations

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#6

Chloroethane

Concen: 20.359 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.02 min

Lab File: VD067558.D

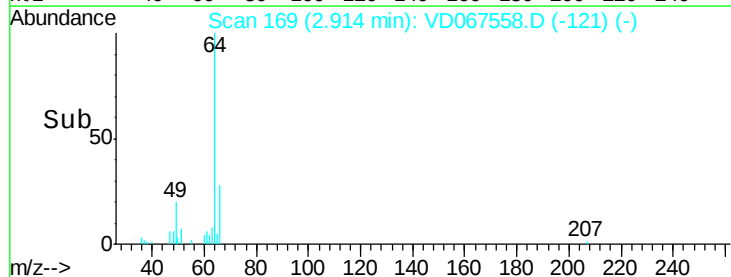
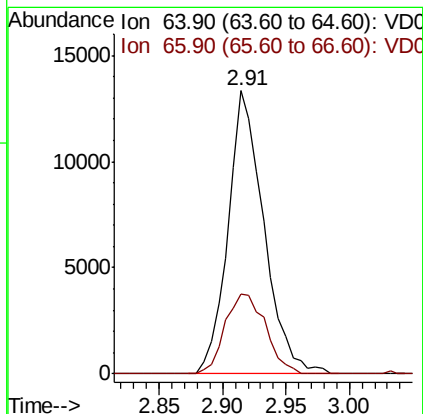
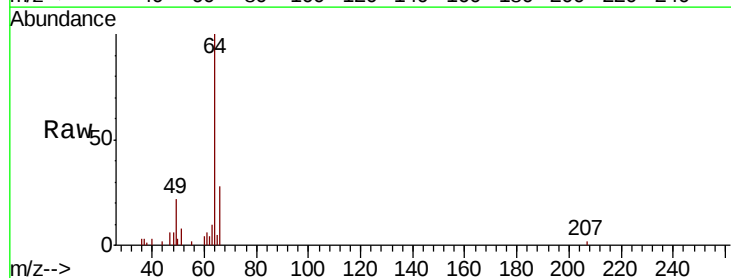
Acq: 09 Nov 2020 11:45

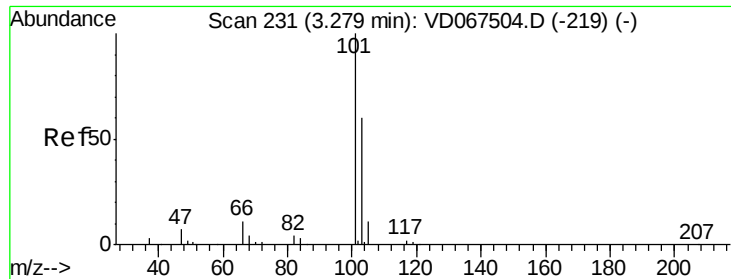
Tgt Ion: 64 Resp: 26072

Ion Ratio Lower Upper

64 100

66 28.2 24.6 36.8





#7

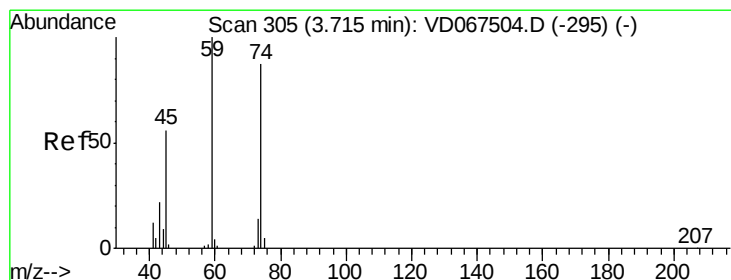
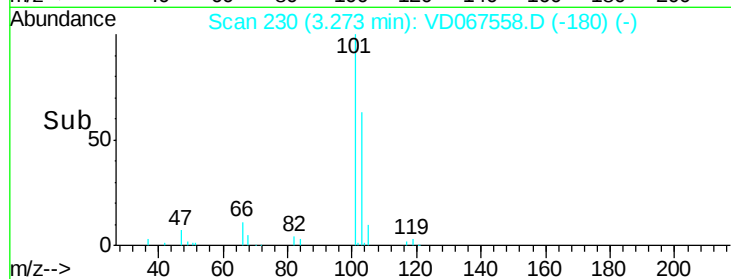
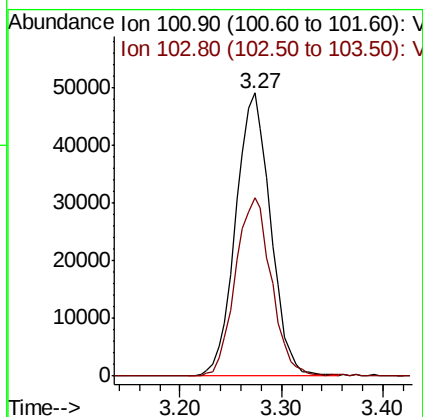
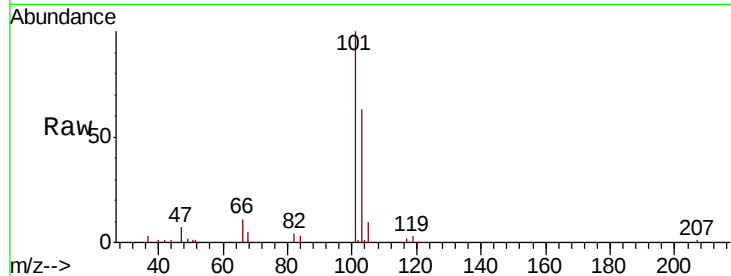
Trichlorofluoromethane
 Concen: 21.828 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
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 VD1109SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		117403		
103	63.0	48.1	72.1		

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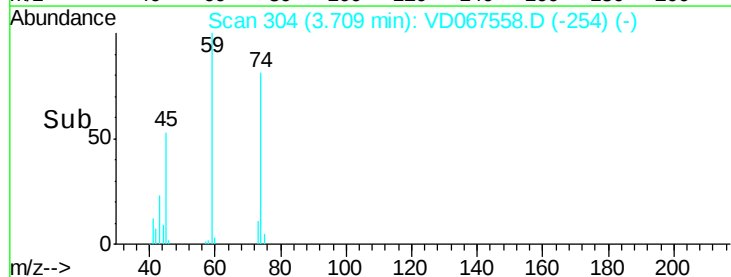
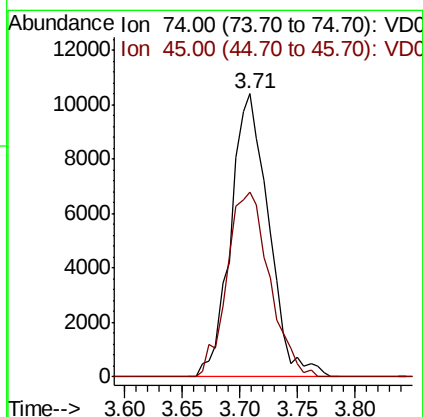
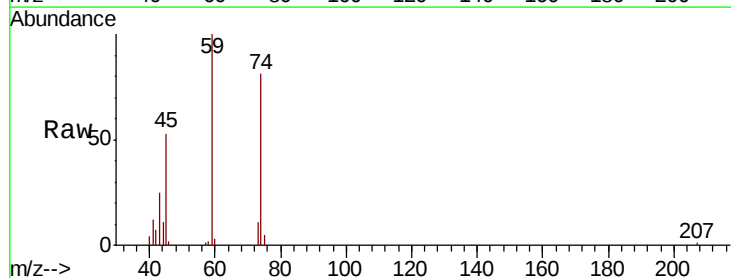
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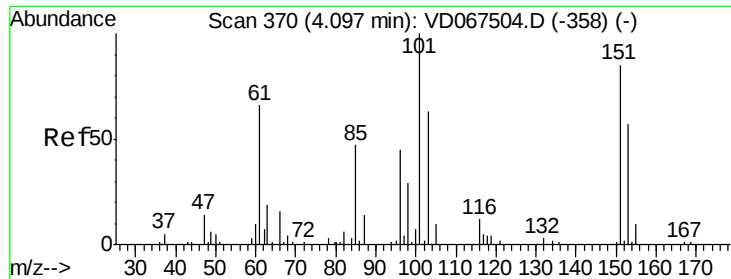


#8

Diethyl Ether
 Concen: 21.889 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		23722		
45	72.9	38.2	114.6		





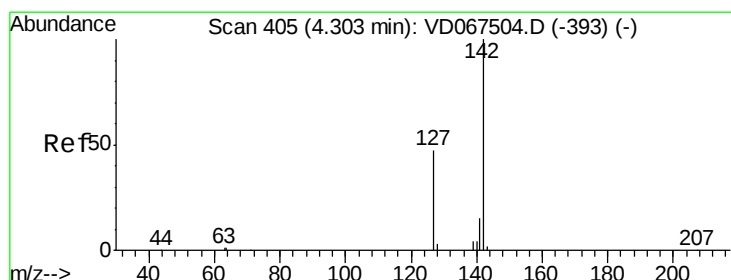
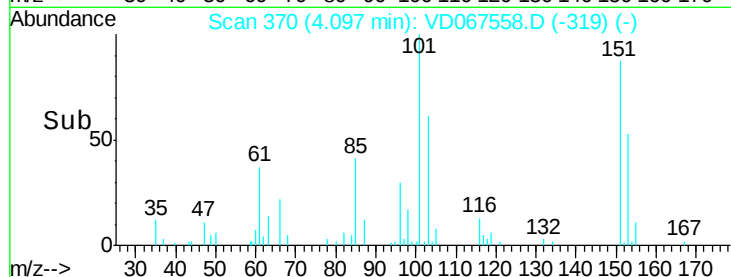
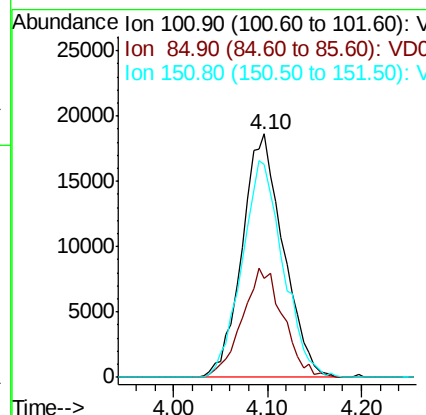
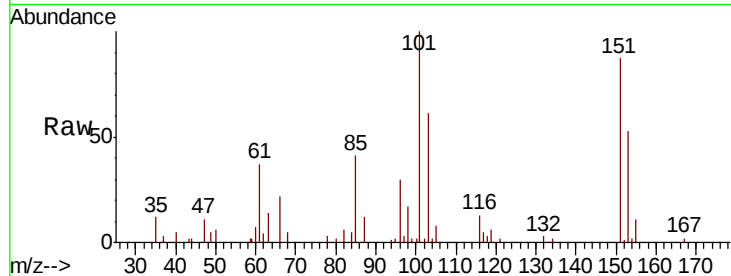
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.824 ug/l
RT: 4.10 min Scan# 370
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.8	34.4	51.6
151	89.0	68.1	102.1

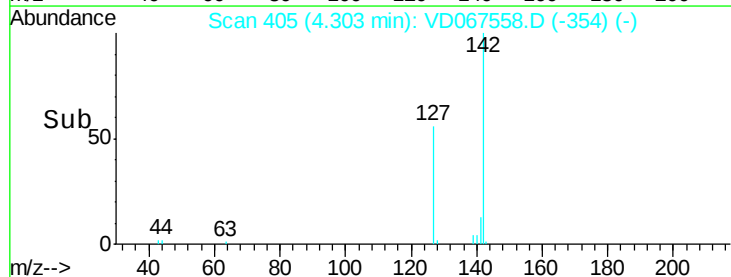
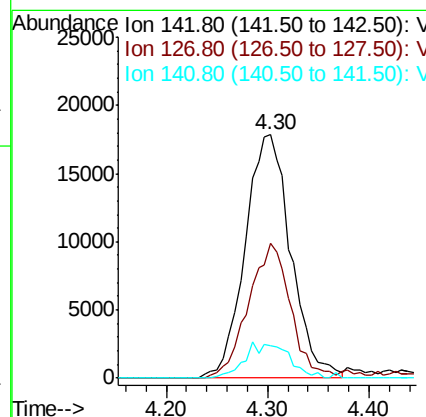
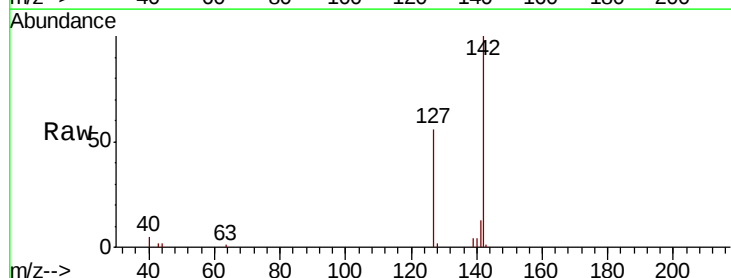
Manual Integrations
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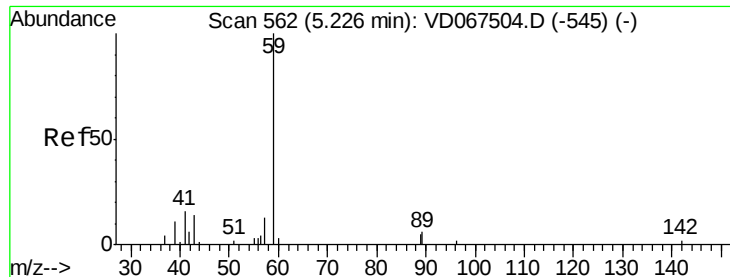
MMDadoda
11/10/2020 1:11:50 PM



#10
Methyl Iodide
Concen: 19.195 ug/l
RT: 4.30 min Scan# 405
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	51.2	40.0	60.0
141	14.1	11.7	17.5





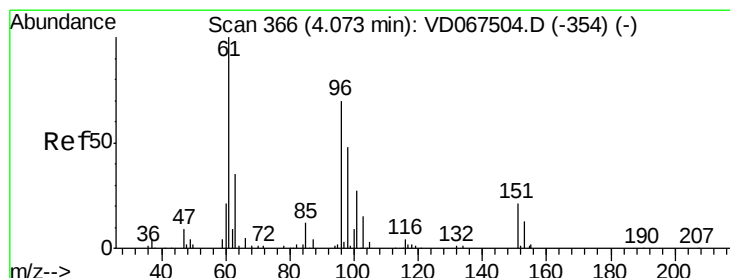
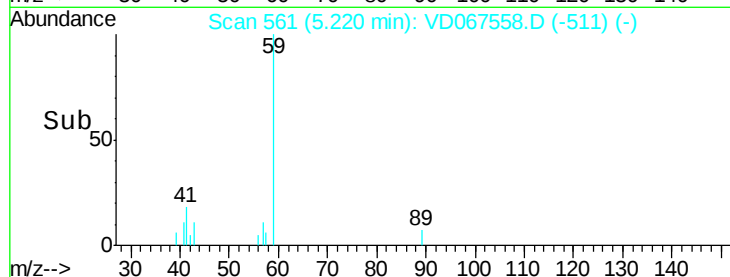
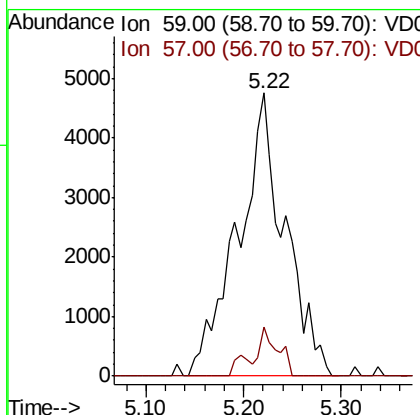
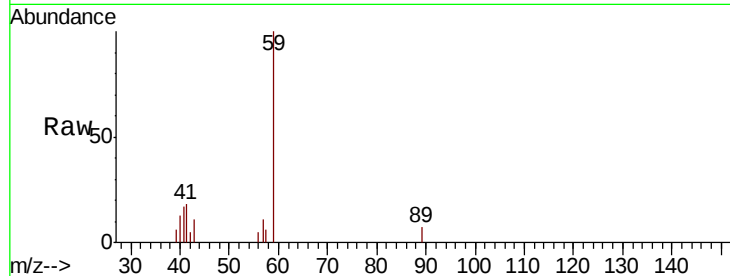
#11
Tert butyl alcohol
Concen: 131.090 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion: 59 Resp: 15862
Ion Ratio Lower Upper
59 100
57 6.7 5.9 8.9

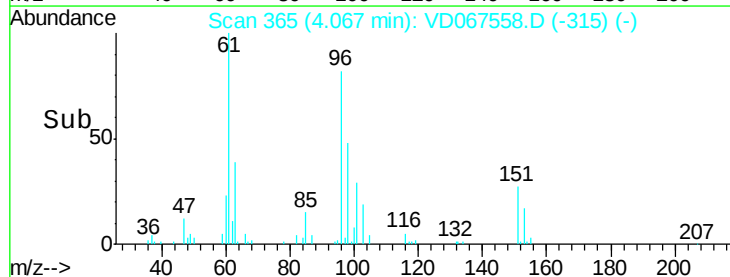
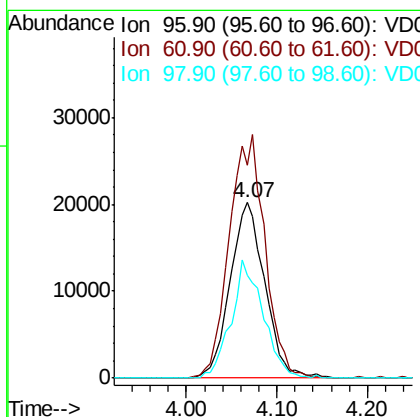
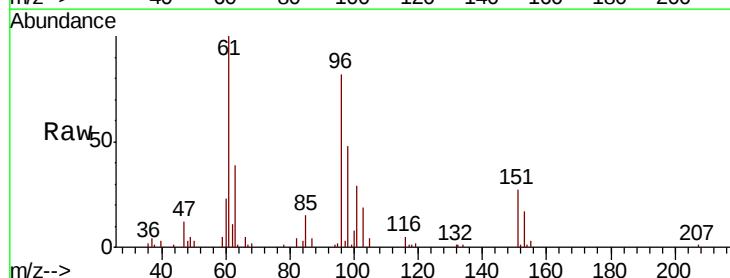
Manual Integrations
APPROVED

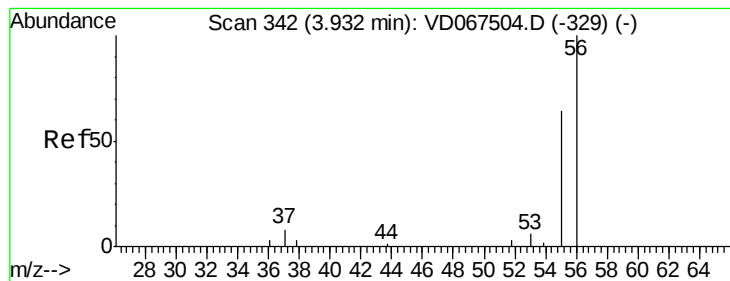
MMDadoda
11/10/2020 1:11:50 PM



#12
1,1-Dichloroethene
Concen: 21.534 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 96 Resp: 53774
Ion Ratio Lower Upper
96 100
61 121.5 114.5 171.7
98 58.7 54.5 81.7





#13

Acrolein

Concen: 78.486 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.02 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 56 Resp: 6566

Ion Ratio Lower Upper

56 100

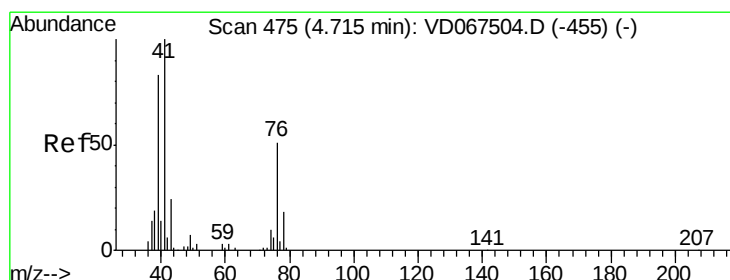
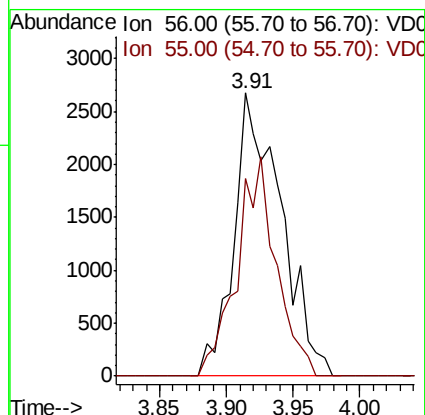
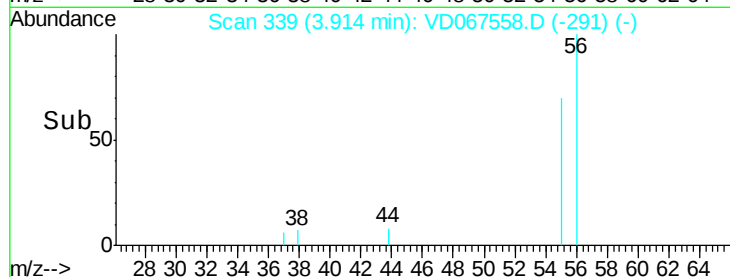
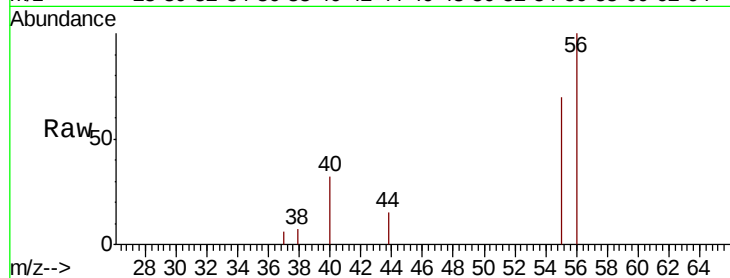
55 64.3 55.8 83.8

Manual Integrations

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MMDadoda

11/10/2020 1:11:50 PM



#14

Allyl chloride

Concen: 20.542 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

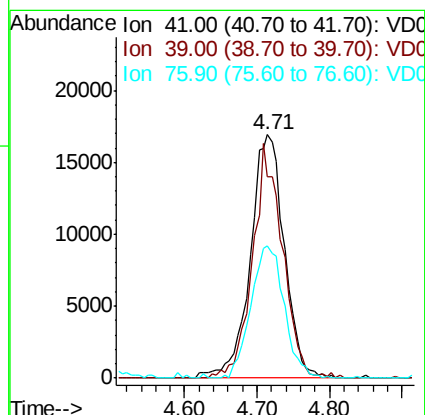
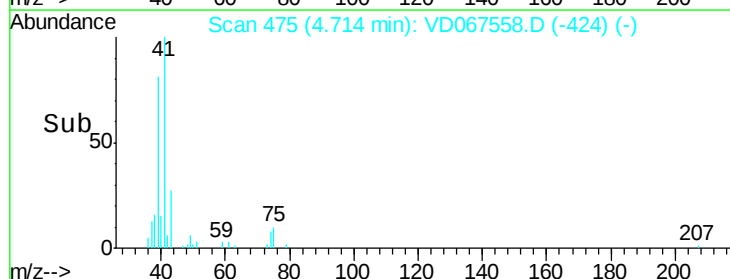
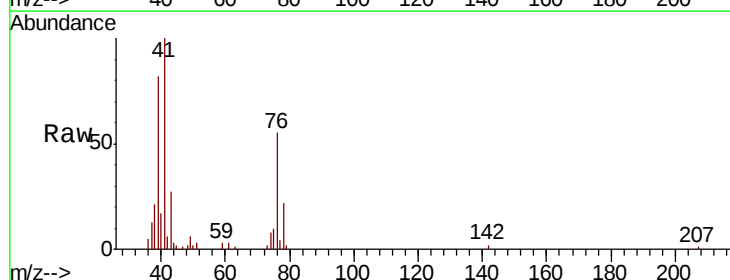
Tgt Ion: 41 Resp: 54901

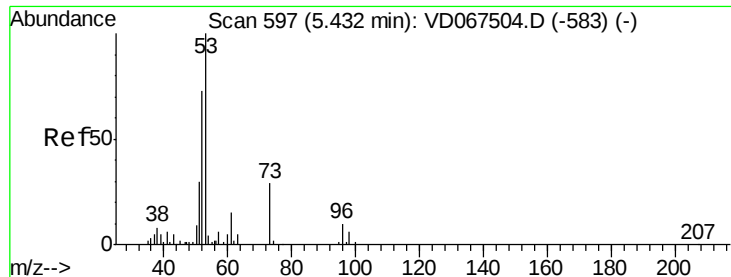
Ion Ratio Lower Upper

41 100

39 84.6 67.4 101.0

76 53.6 42.2 63.2





#15

Acrylonitrile

Concen: 107.917 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

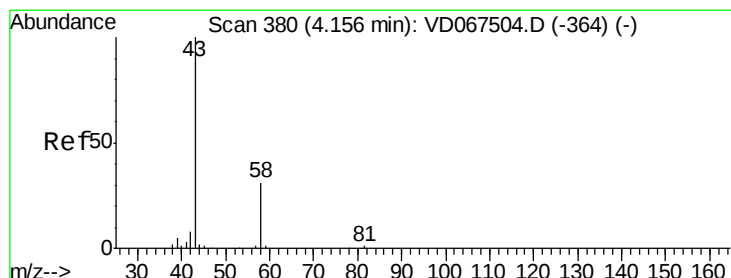
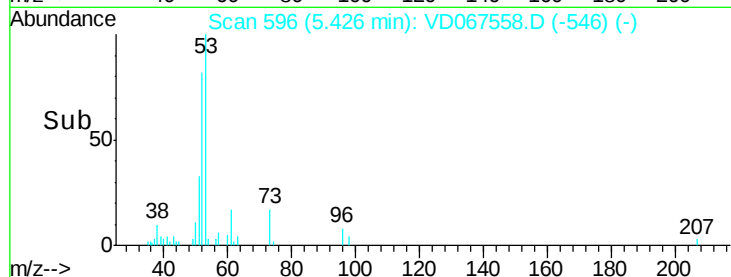
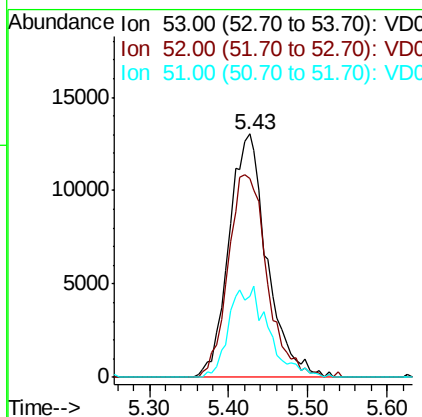
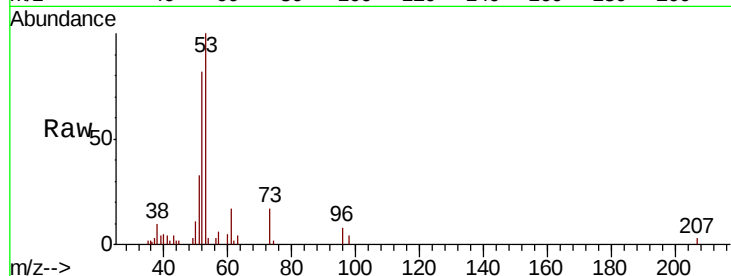
ClientSampleId :

VD1109SBS01

Tot Ion:	53	Resp:	43233
Ion Ratio	Lower	Upper	
53	100		
52	84.8	64.8	97.2
51	39.0	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 100.489 ug/l

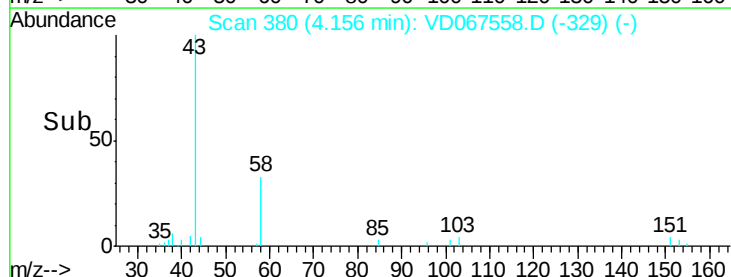
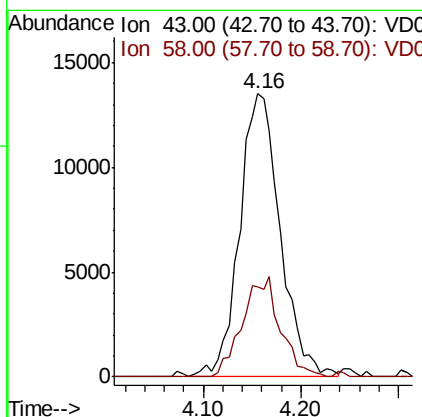
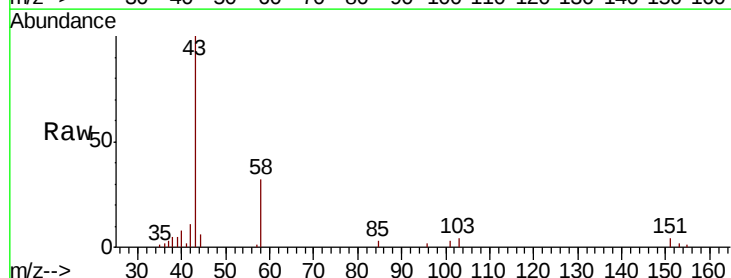
RT: 4.16 min Scan# 380

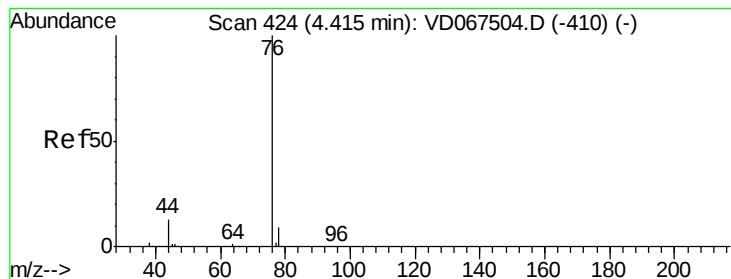
Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion:	43	Resp:	39340
Ion Ratio	Lower	Upper	
43	100		
58	31.7	25.2	37.8





#17

Carbon Disulfide

Concen: 20.258 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 76 Resp: 155018

Ion Ratio Lower Upper

76 100

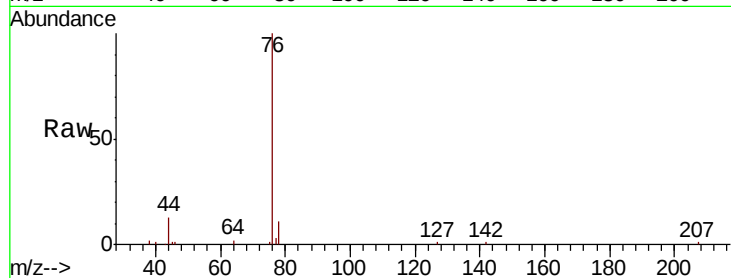
78 10.7 7.2 10.8

Manual Integrations

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MMDadoda

11/10/2020 1:11:50 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

60000

50000

40000

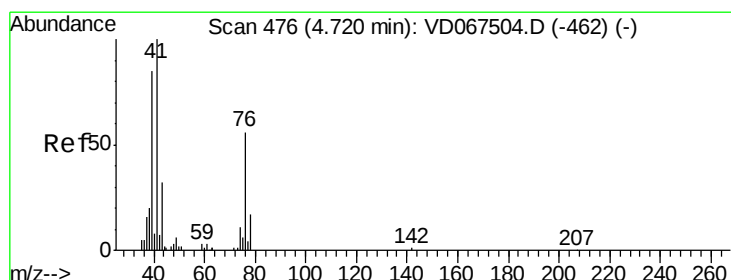
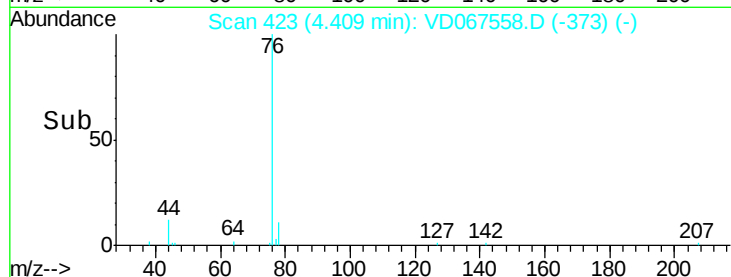
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 21.874 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067558.D

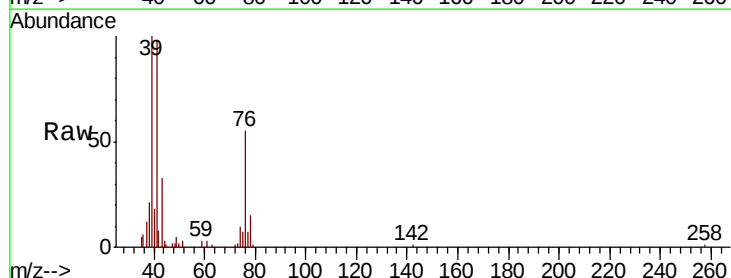
Acq: 09 Nov 2020 11:45

Tgt Ion: 43 Resp: 17696

Ion Ratio Lower Upper

43 100

74 17.0 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

6000

5000

4000

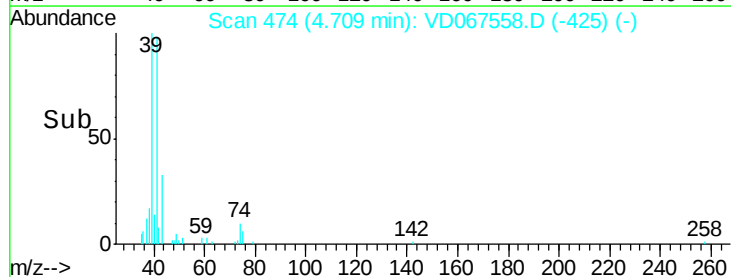
3000

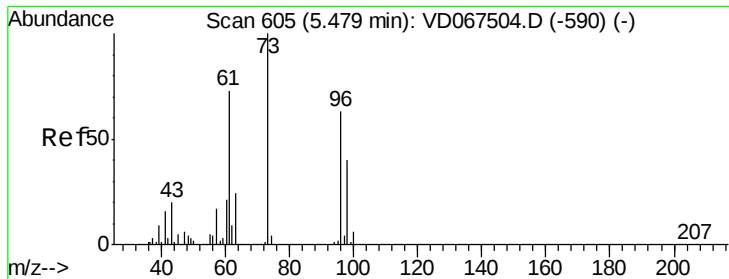
2000

1000

0

Time-->





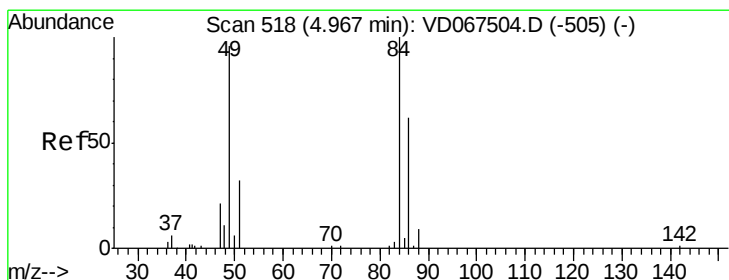
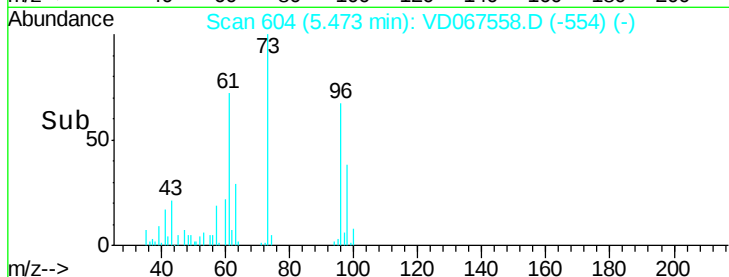
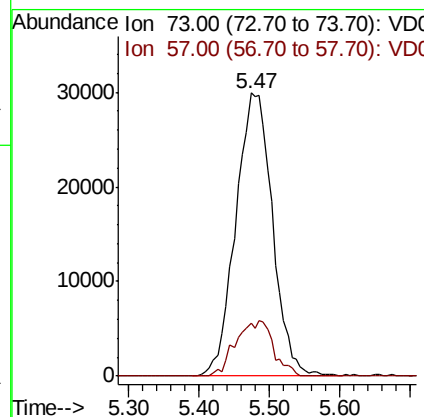
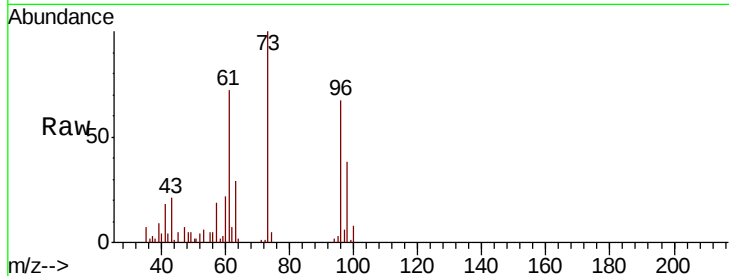
#19
Methyl tert-butyl Ether
Concen: 22.010 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion: 73 Resp: 108415
Ion Ratio Lower Upper
73 100
57 18.6 13.4 20.0

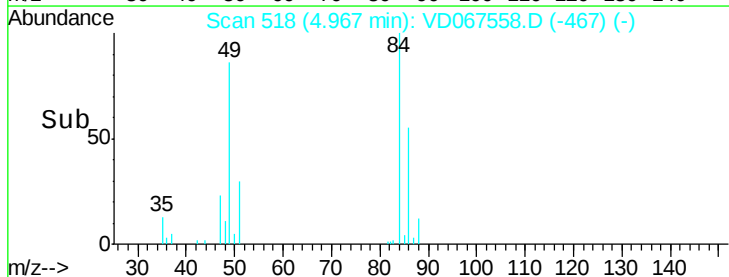
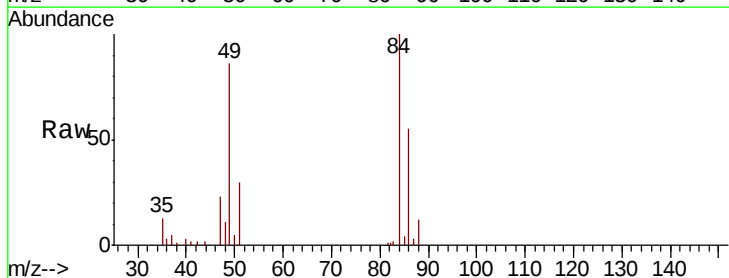
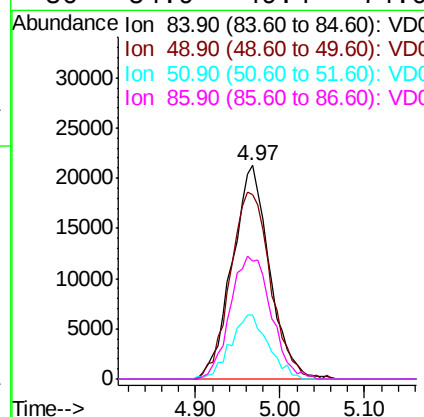
Manual Integrations
APPROVED

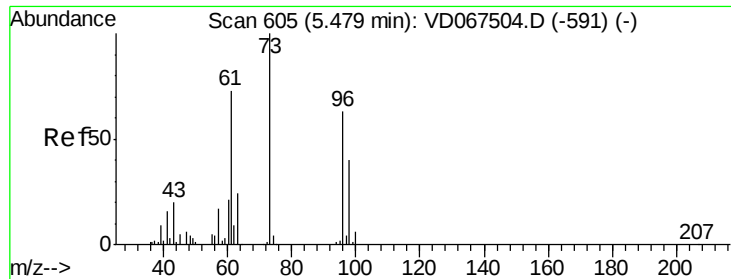
MMDadoda
11/10/2020 1:11:50 PM



#20
Methylene Chloride
Concen: 23.509 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 84 Resp: 65012
Ion Ratio Lower Upper
84 100
49 86.2 77.0 115.4
51 29.9 25.4 38.2
86 54.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.634 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

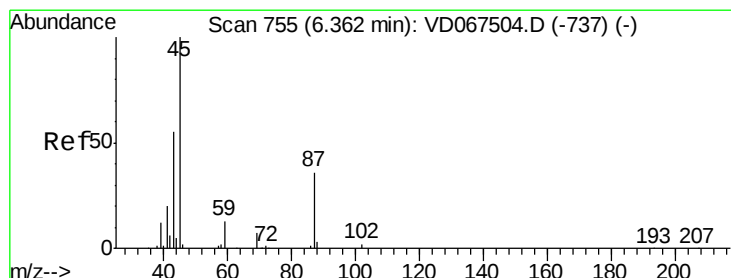
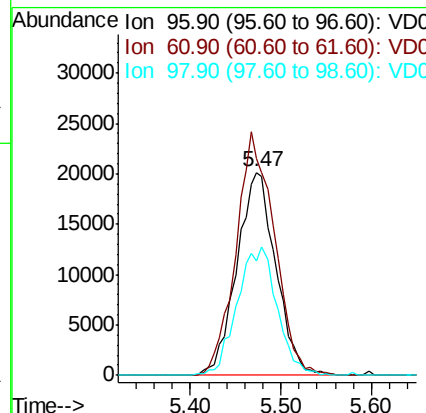
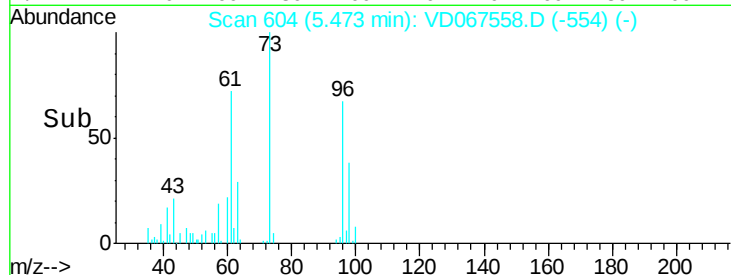
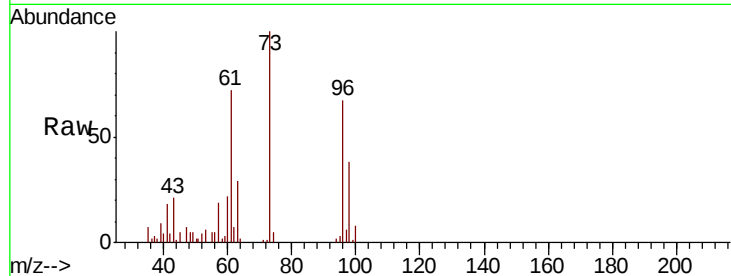
ClientSampleId :

VD1109SBS01

Tot Ion:	96	Resp:	60016
Ion	Ratio	Lower	Upper
96	100		
61	106.8	93.0	139.6
98	56.3	50.9	76.3

Manual Integrations
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11/10/2020 1:11:50 PM



#22

Diisopropyl ether

Concen: 21.615 ug/l

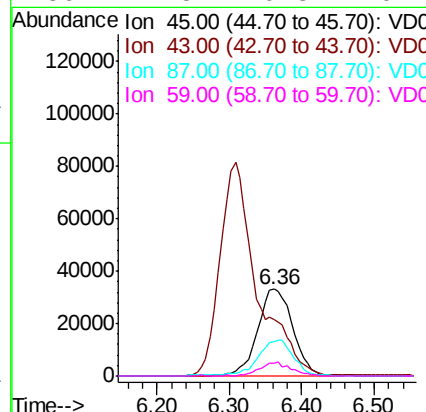
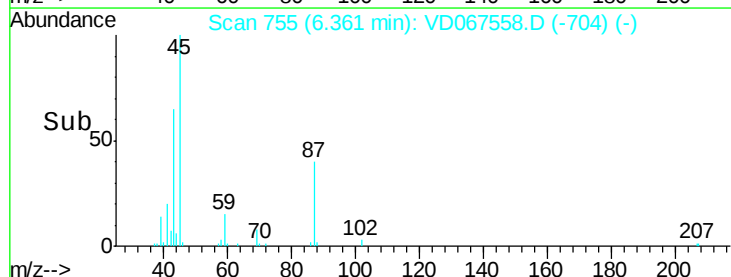
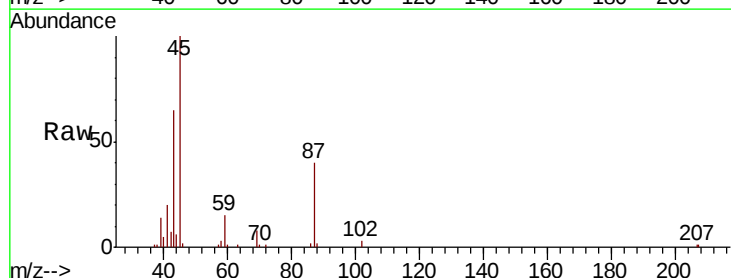
RT: 6.36 min Scan# 755

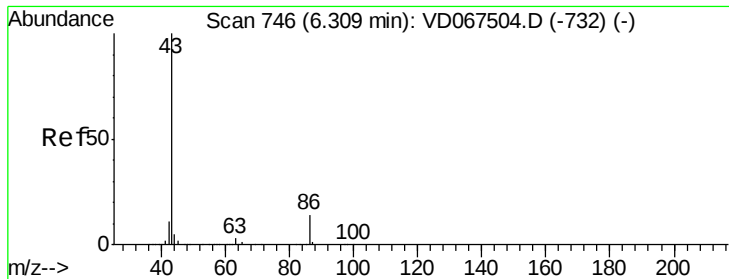
Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion:	45	Resp:	112577
Ion	Ratio	Lower	Upper
45	100		
43	62.8	46.2	69.4
87	40.0	29.4	44.2
59	14.8	10.8	16.2





#23

Vinyl Acetate

Concen: 106.499 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 43 Resp: 290343

Ion Ratio Lower Upper

43 100

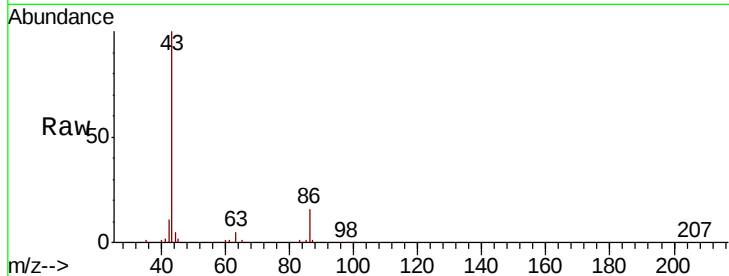
86 15.9 11.6 17.4

Manual Integrations

APPROVED

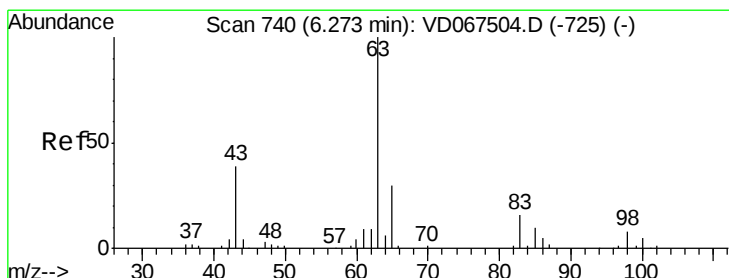
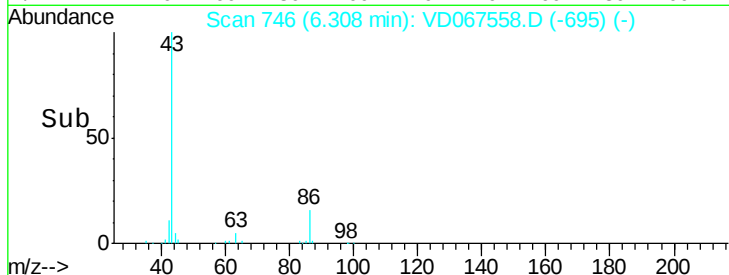
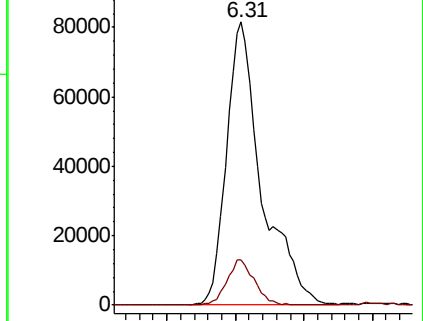
MMDadoda

11/10/2020 1:11:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.362 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

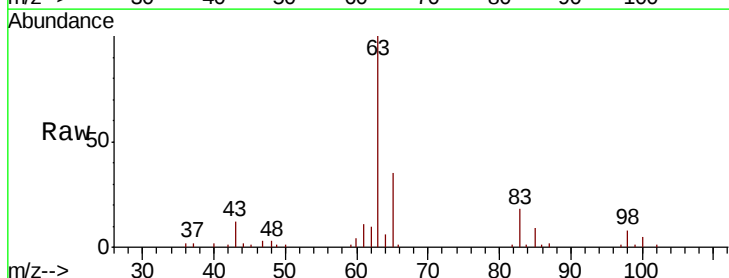
Tgt Ion: 63 Resp: 91018

Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.5

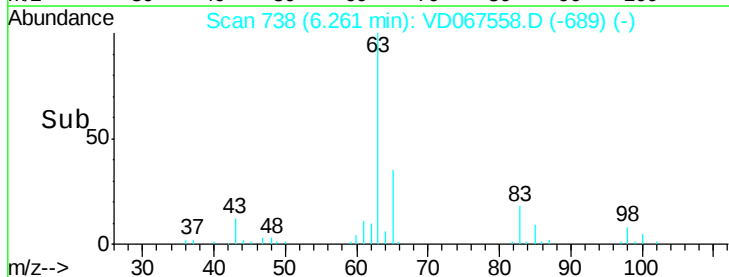
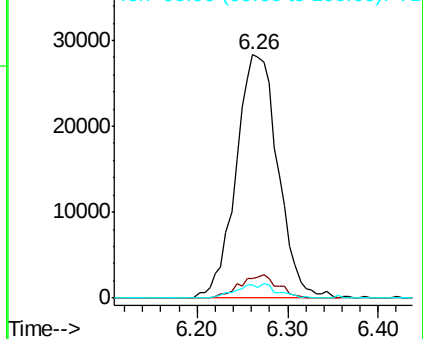
100 5.5 2.6 7.8

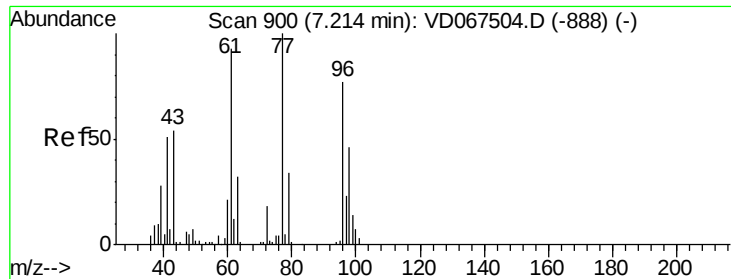


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





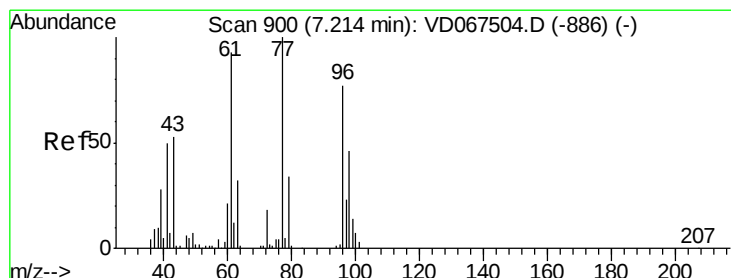
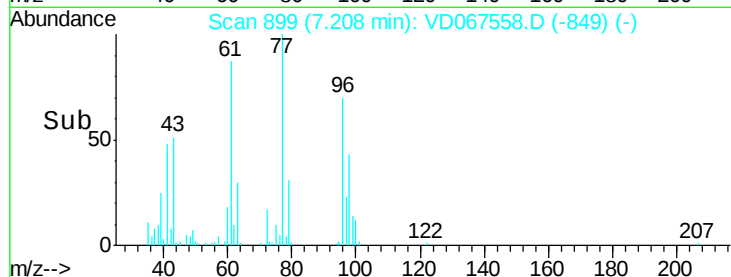
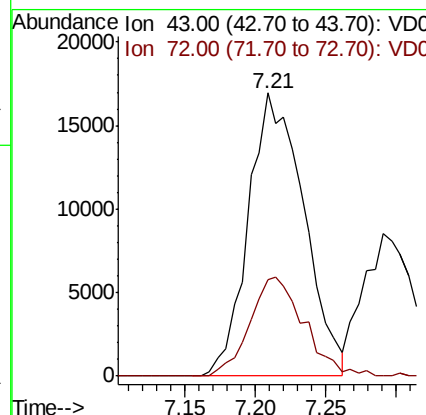
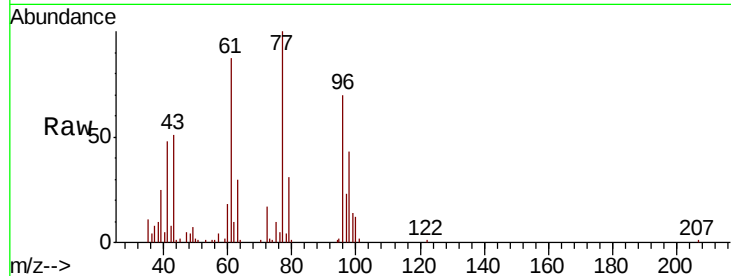
#25
2-Butanone
Concen: 111.304 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion: 43 Resp: 46560
Ion Ratio Lower Upper
43 100
72 34.0 26.4 39.6

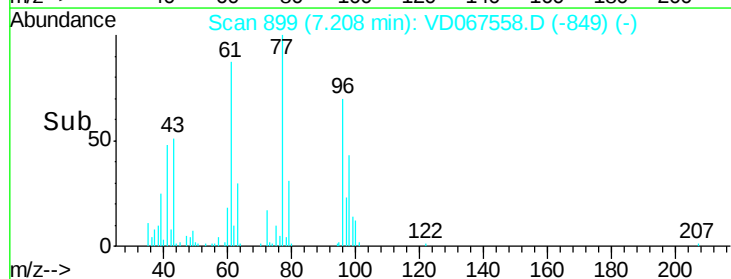
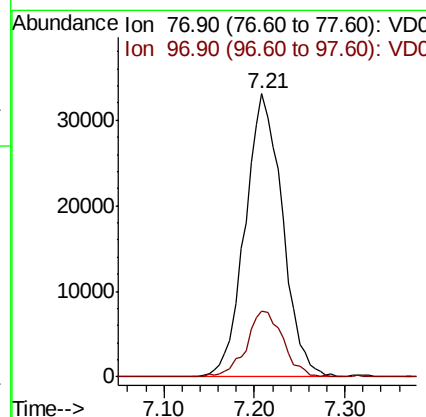
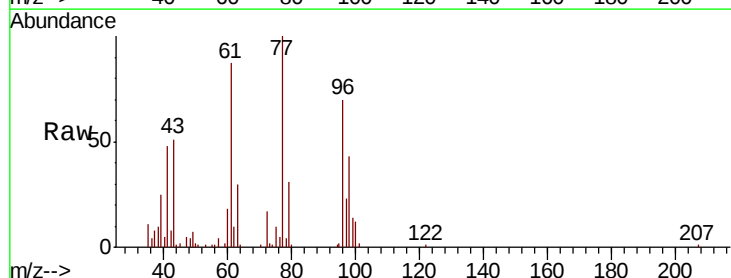
Manual Integrations
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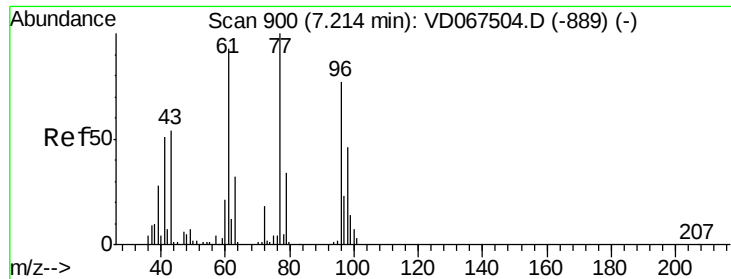
MMDadoda
11/10/2020 1:11:50 PM



#26
2,2-Dichloropropane
Concen: 21.057 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 77 Resp: 94691
Ion Ratio Lower Upper
77 100
97 22.8 11.1 33.3





#27

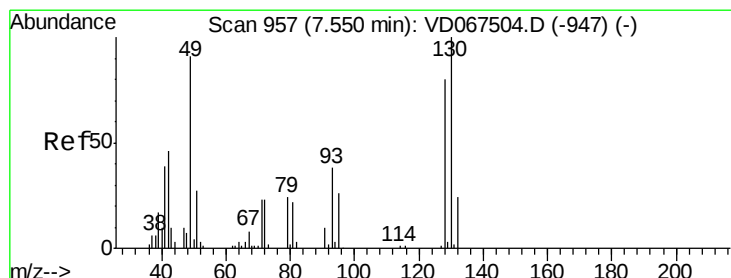
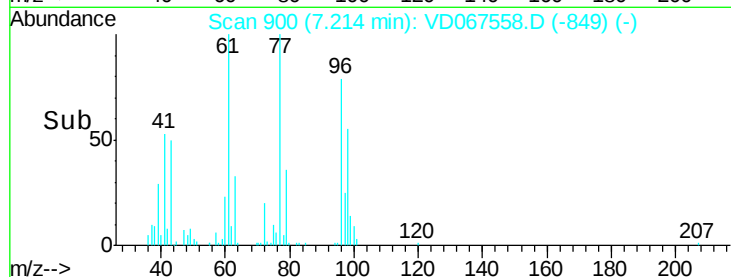
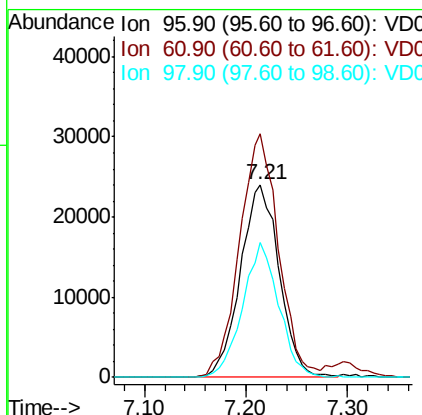
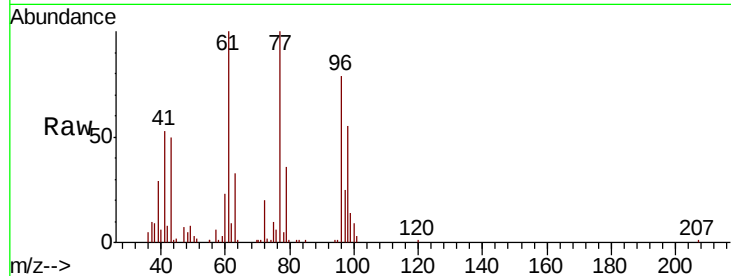
cis-1,2-Dichloroethene
Concen: 21.200 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	0.0	251.6
98	64.8	0.0	128.0

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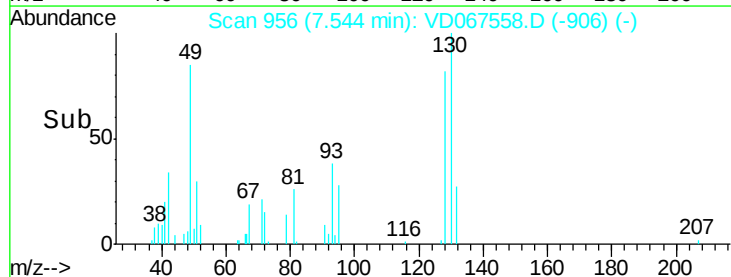
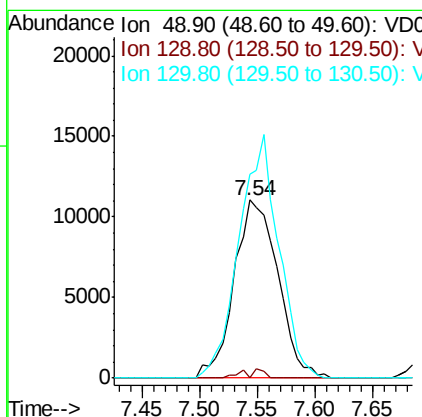
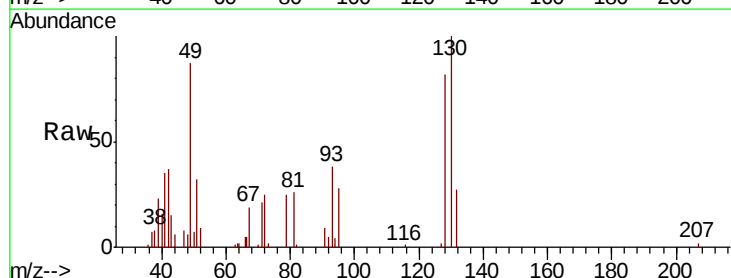
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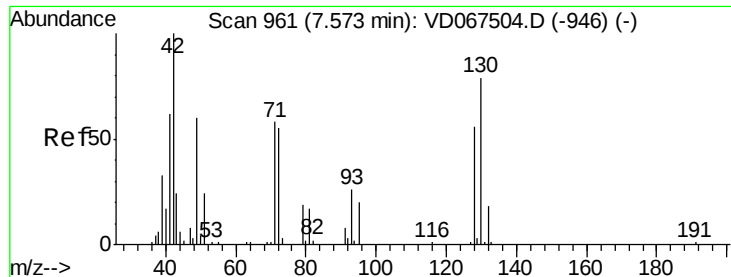


#28

Bromochloromethane
Concen: 19.305 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	6.4
130	123.5	94.6	142.0





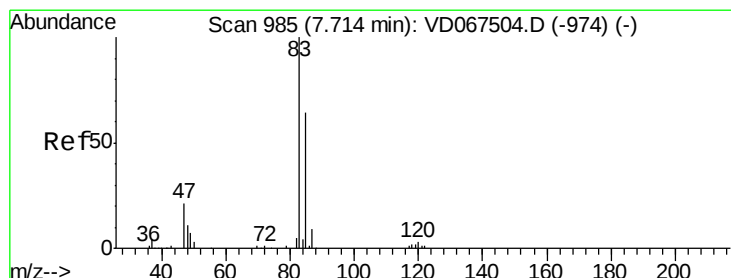
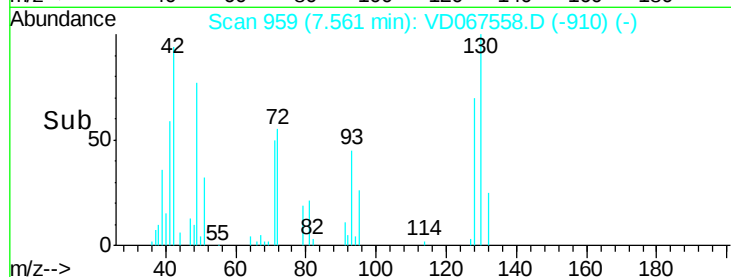
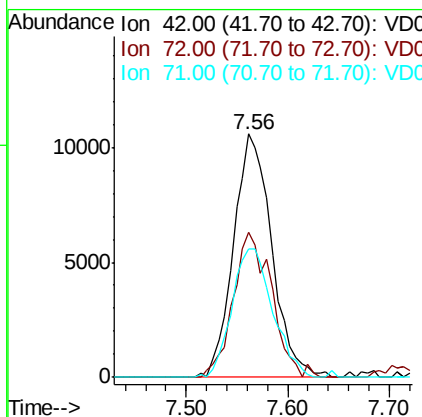
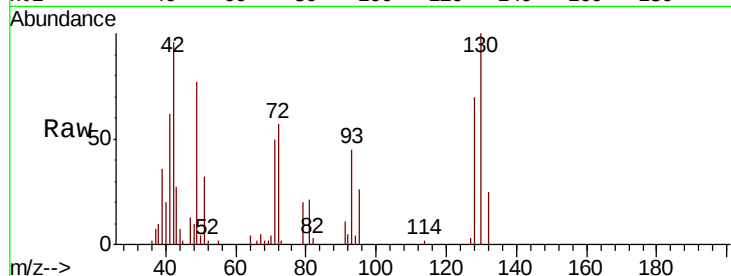
#29
Tetrahydrofuran
Concen: 110.559 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.0	46.3	69.5
71	56.6	44.0	66.0

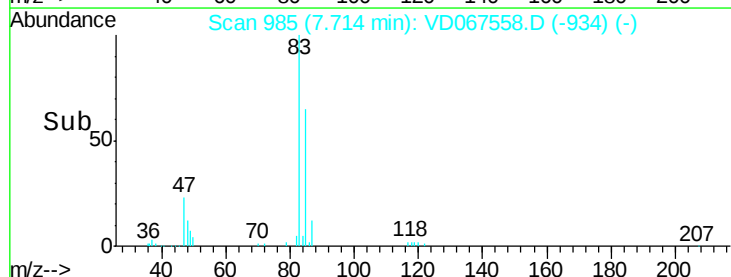
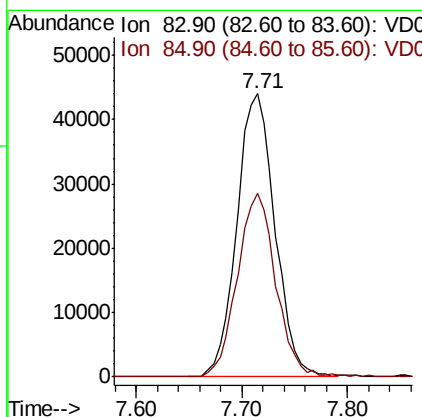
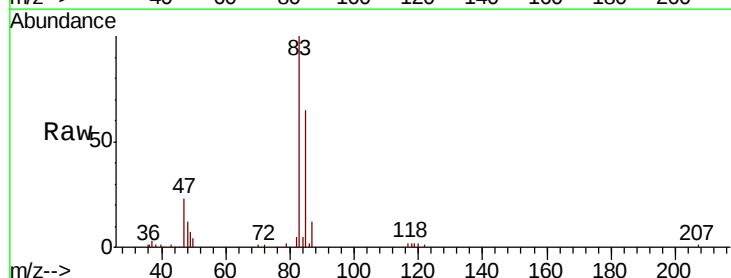
Manual Integrations
APPROVED

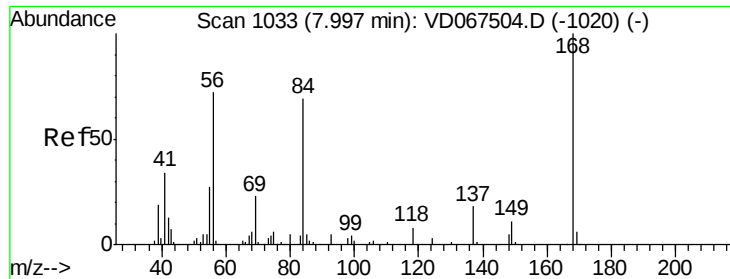
MMDadoda
11/10/2020 1:11:50 PM



#30
Chloroform
Concen: 21.637 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3





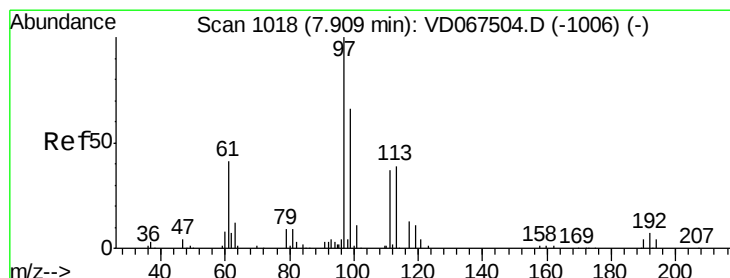
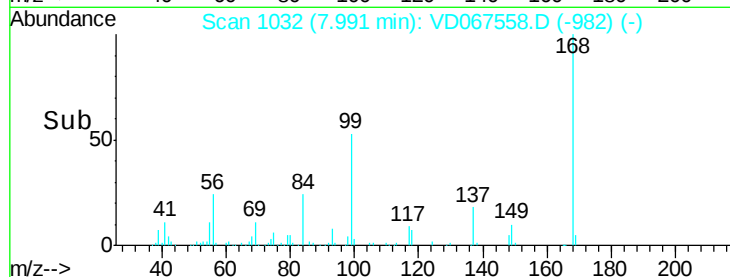
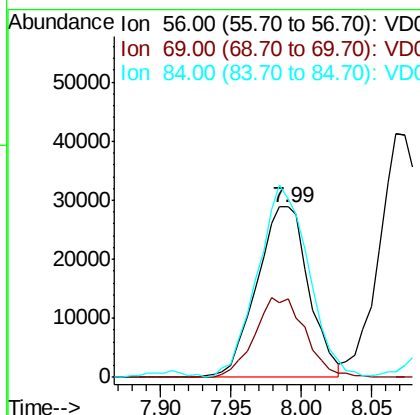
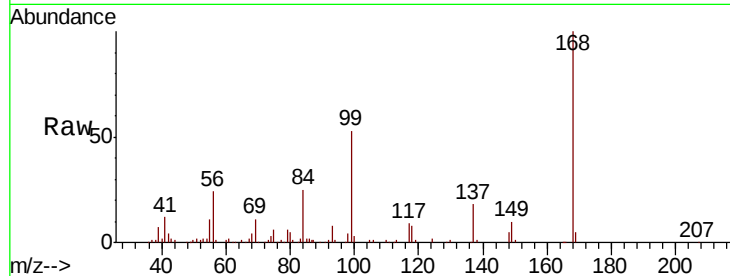
#31
Cyclohexane
Concen: 19.611 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion: 56 Resp: 74410
Ion Ratio Lower Upper
56 100
69 46.2 25.9 38.9#
84 104.0 76.2 114.4

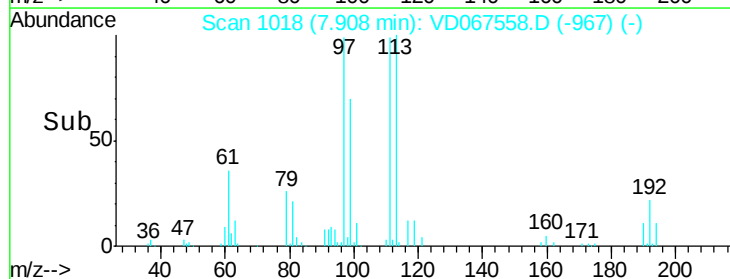
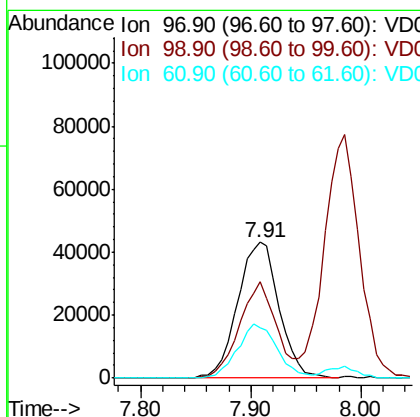
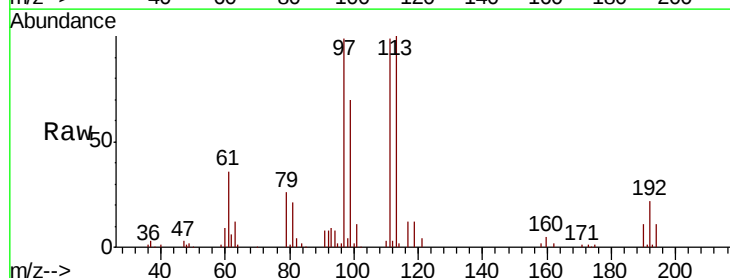
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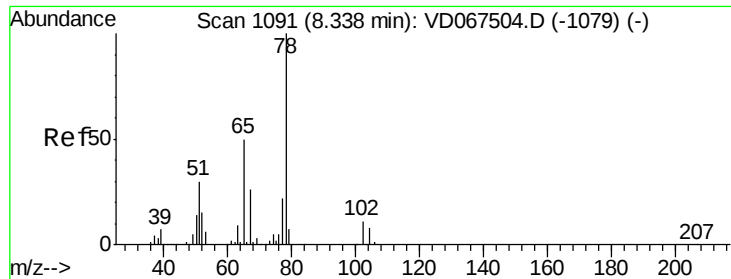
MMDadoda
11/10/2020 1:11:50 PM



#32
1,1,1-Trichloroethane
Concen: 21.594 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 97 Resp: 113253
Ion Ratio Lower Upper
97 100
99 62.6 51.8 77.6
61 38.4 30.5 45.7





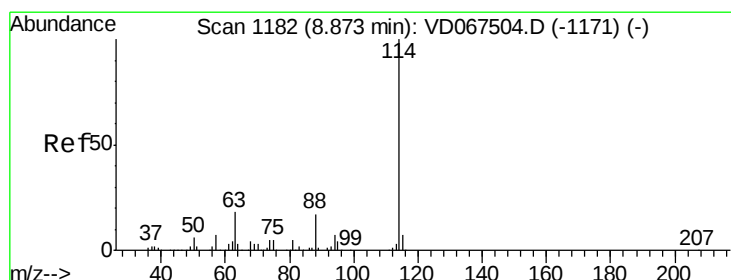
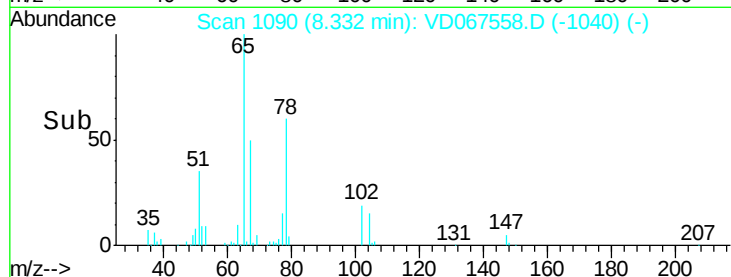
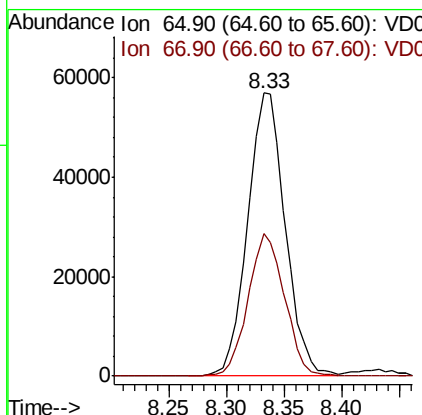
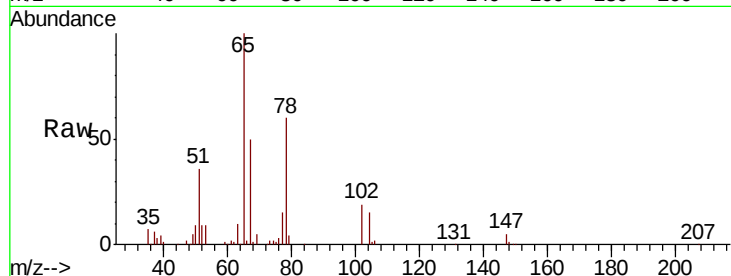
#33
 1,2-Dichloroethane-d4
 Concen: 49.294 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	99.4

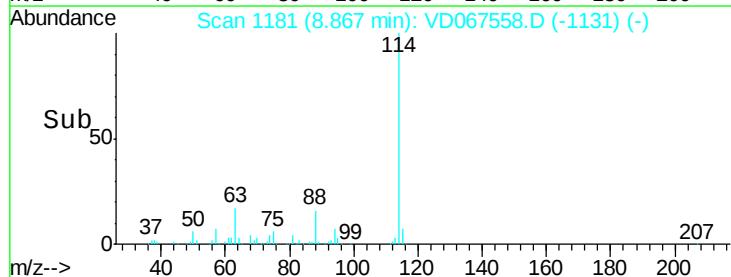
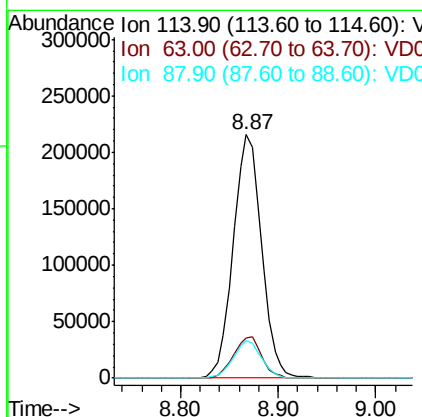
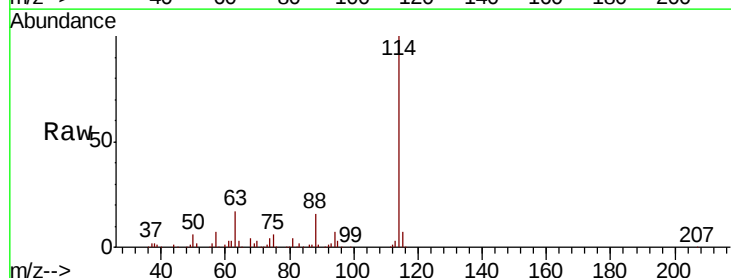
Manual Integrations
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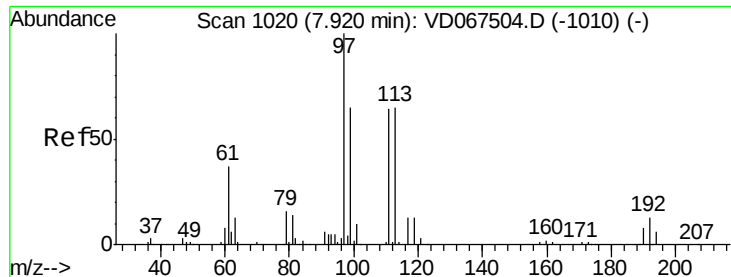
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 11/10/2020 1:11:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	35.0
88	15.6	0.0	33.0





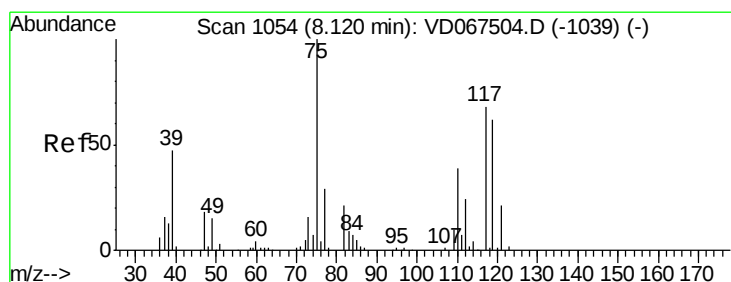
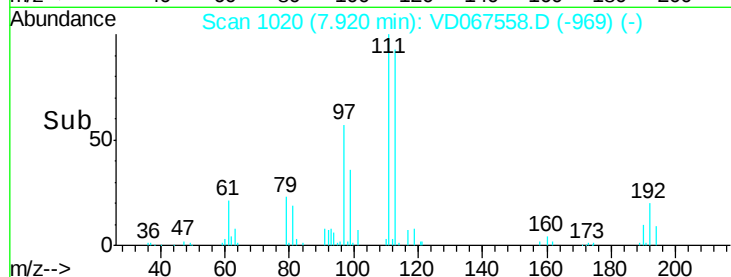
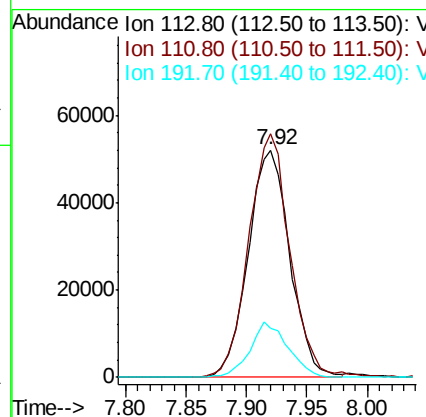
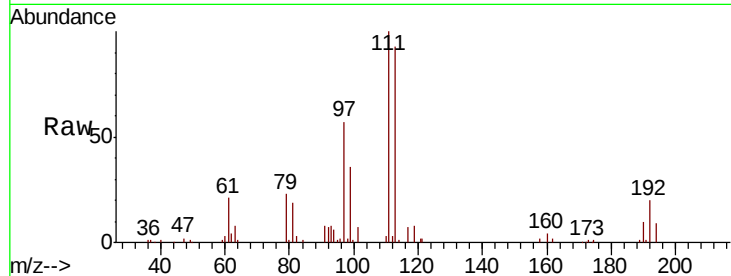
#35
 Dibromofluoromethane
 Concen: 47.645 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125073		
111	106.1	80.0	120.0	
192	22.3	16.3	24.5	

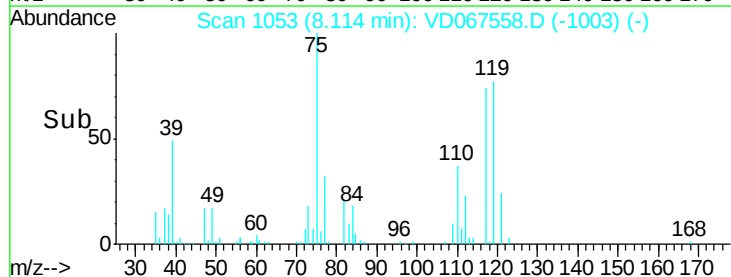
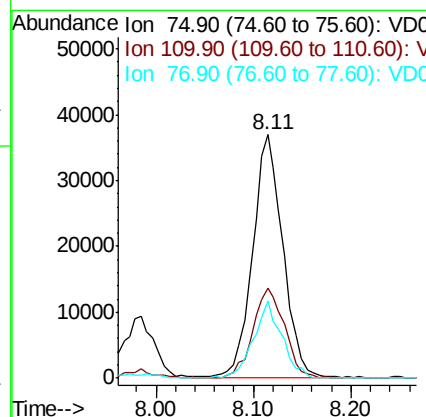
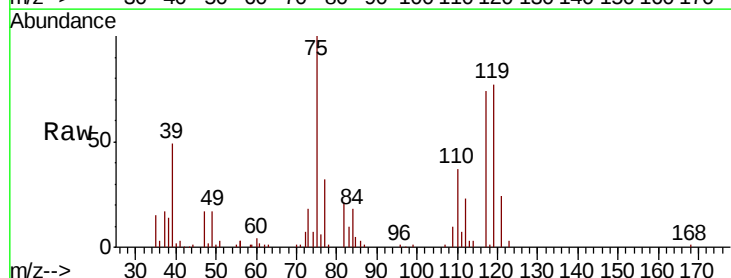
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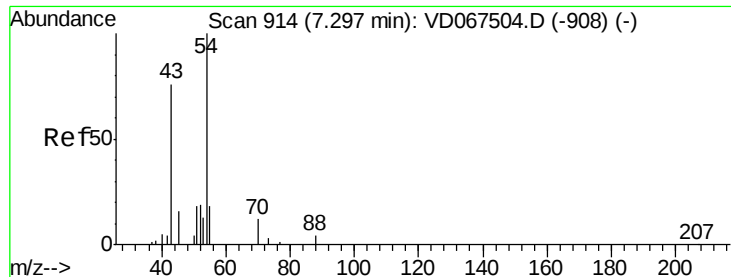
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 11/10/2020 1:11:50 PM



#36
 1,1-Dichloropropene
 Concen: 21.646 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80730		
110	38.3	19.9	59.7	
77	29.4	24.8	37.2	





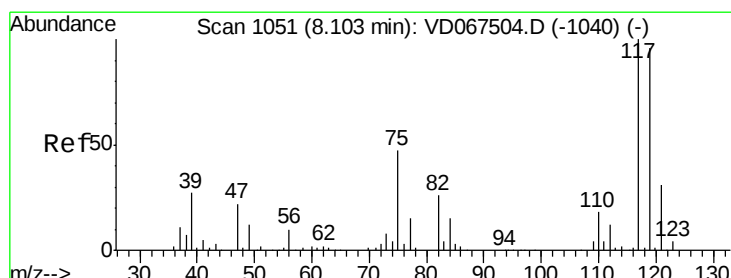
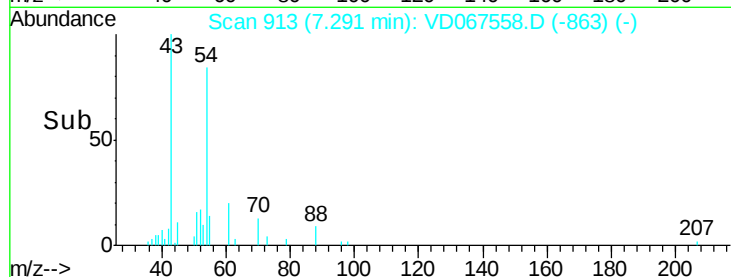
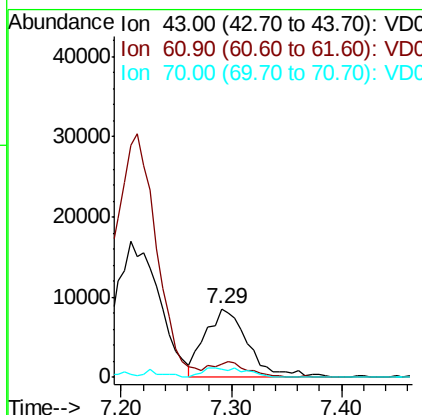
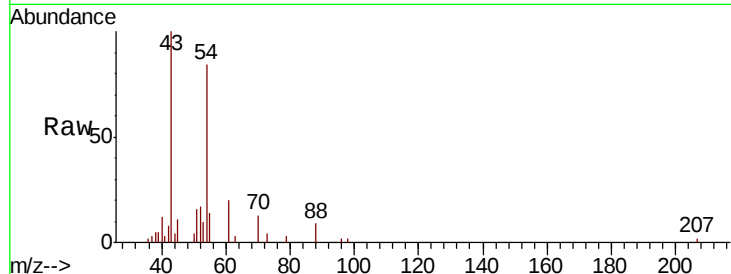
#37
Ethyl Acetate
Concen: 23.694 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	12.8	19.2
70	14.0	11.7	17.5

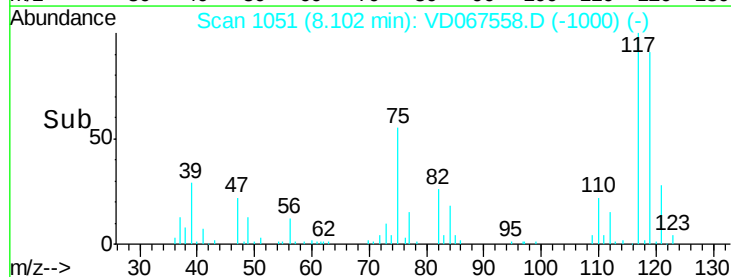
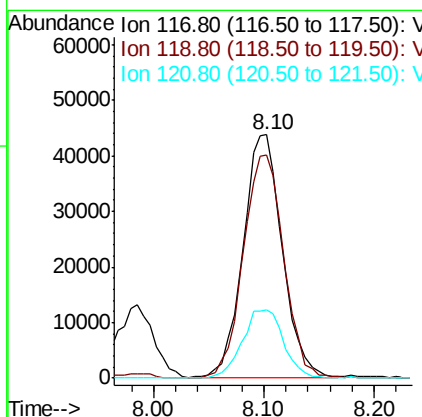
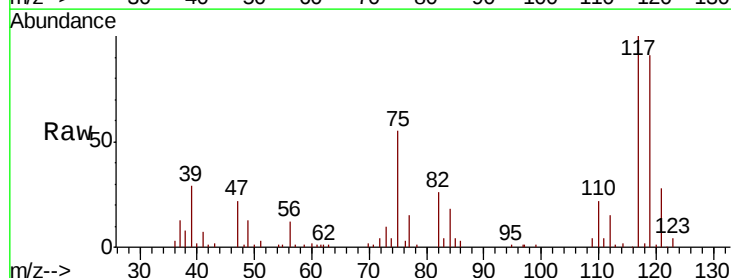
Manual Integrations
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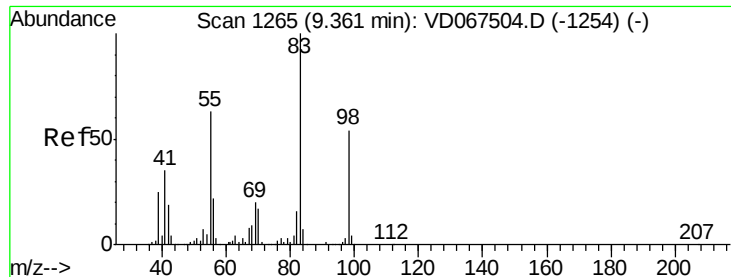
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11/10/2020 1:11:50 PM



#38
Carbon Tetrachloride
Concen: 22.593 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.9	115.3
121	28.3	24.5	36.7





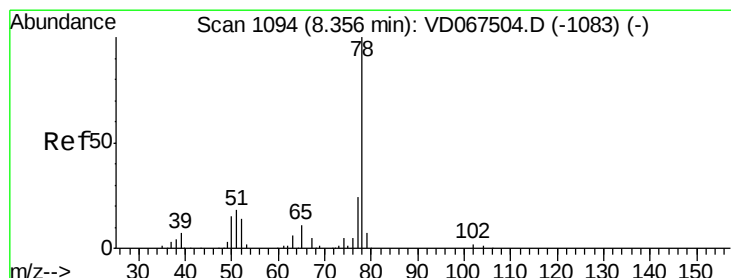
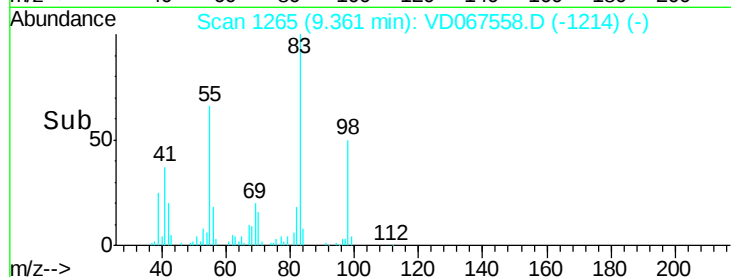
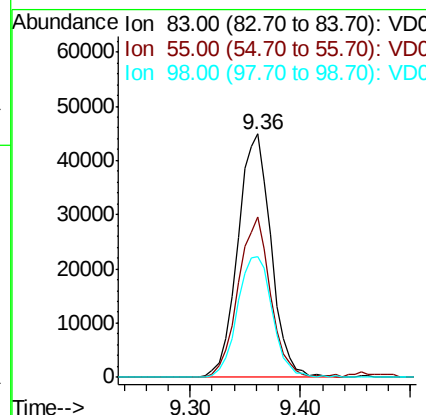
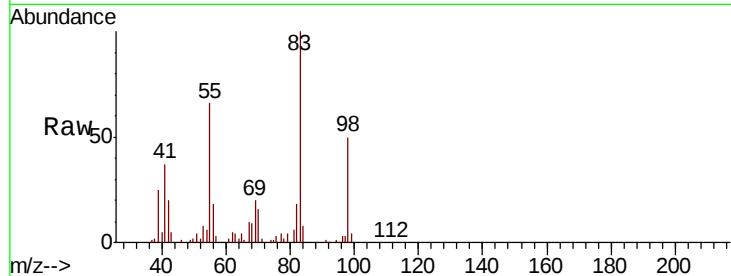
#39
Methvlcvclohexane
Concen: 21.608 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	83	Resp	94849
Ion Ratio	100	Lower	Upper
83	100		
55	66.0	50.5	75.7
98	49.5	43.4	65.0

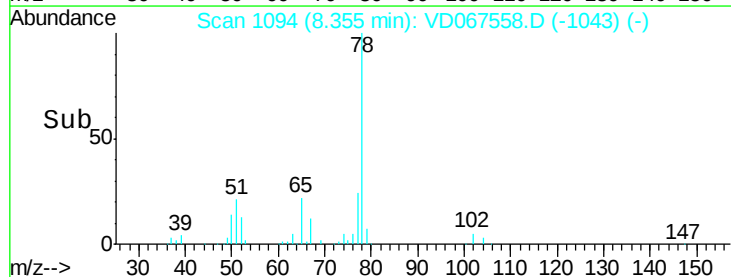
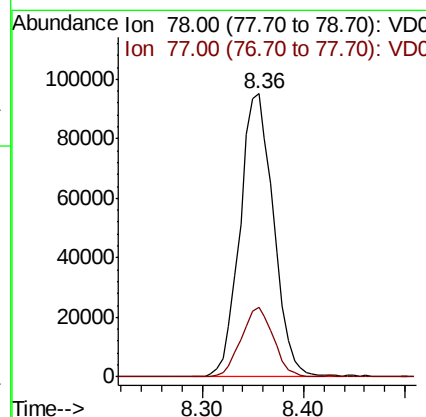
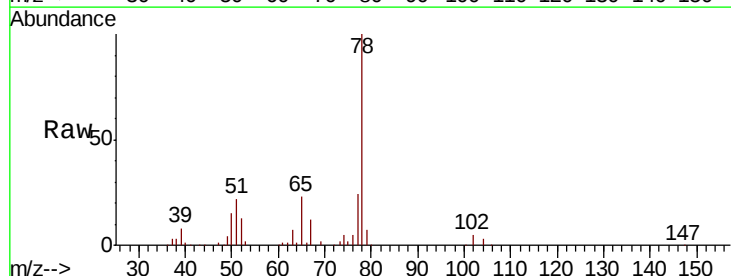
Manual Integrations
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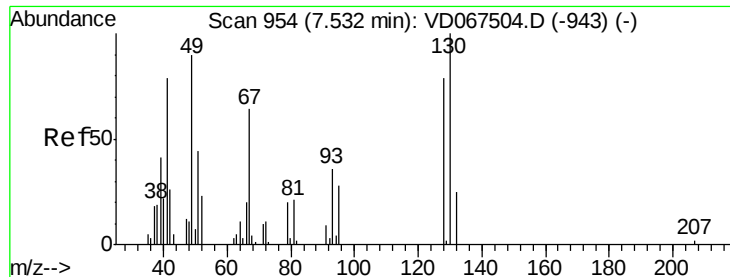
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#40
Benzene
Concen: 21.668 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	78	Resp	218900
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	19.1	28.7





#41

Methacrylonitrile

Concen: 17.029 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 41 Resp: 9856

Ion Ratio Lower Upper

41 100

39 84.9 51.3 76.9#

67 114.1 78.9 118.3

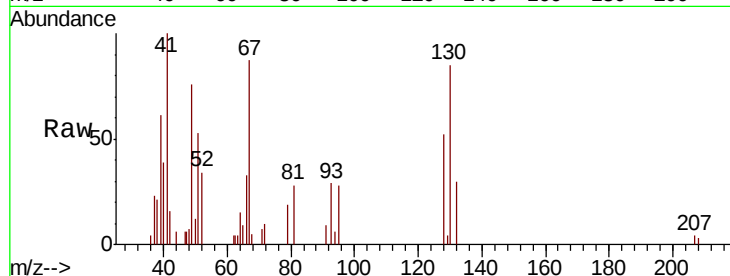
52 50.3 31.4 47.2#

Manual Integrations

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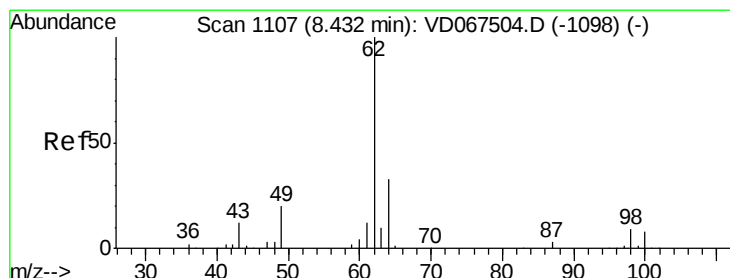
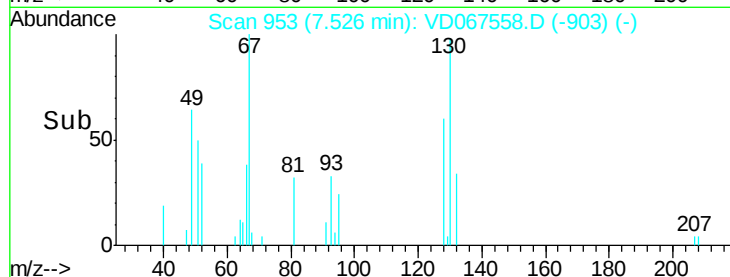
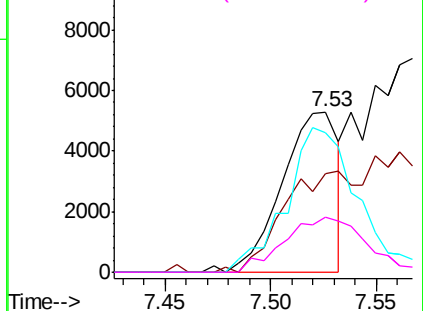


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.748 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067558.D

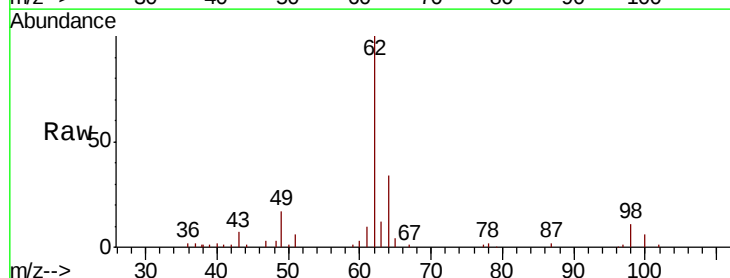
Acq: 09 Nov 2020 11:45

Tgt Ion: 62 Resp: 71005

Ion Ratio Lower Upper

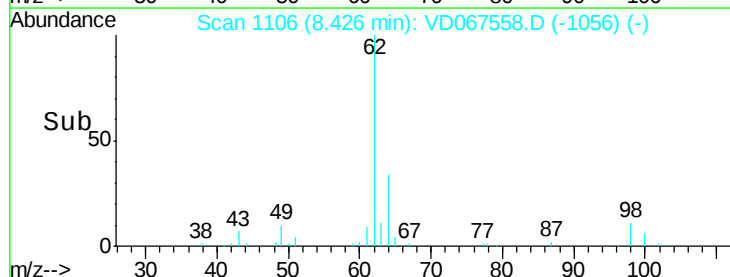
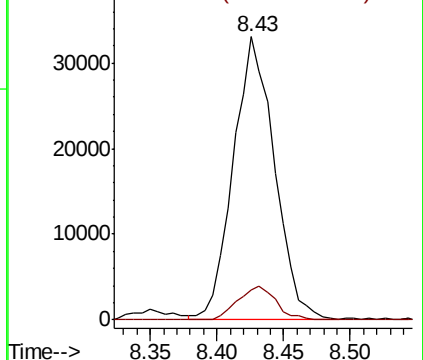
62 100

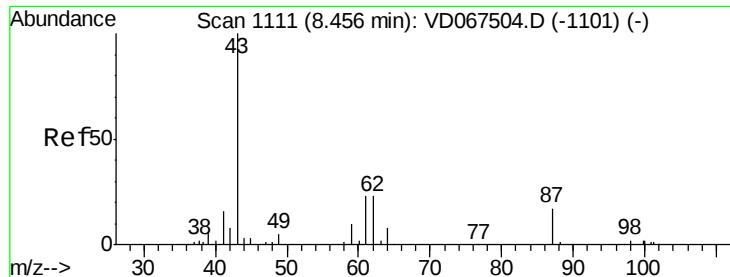
98 10.8 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.627 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

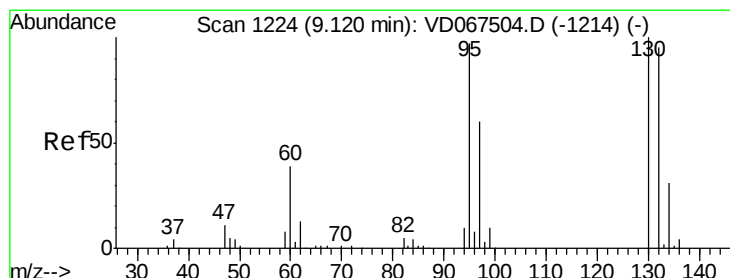
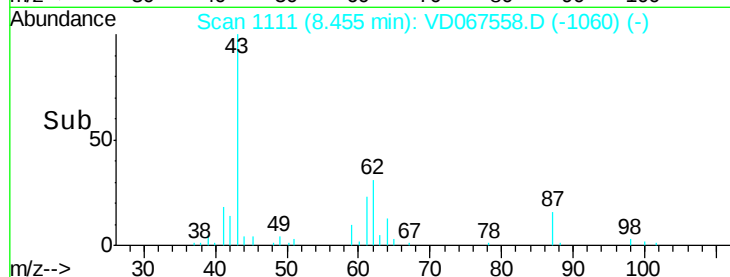
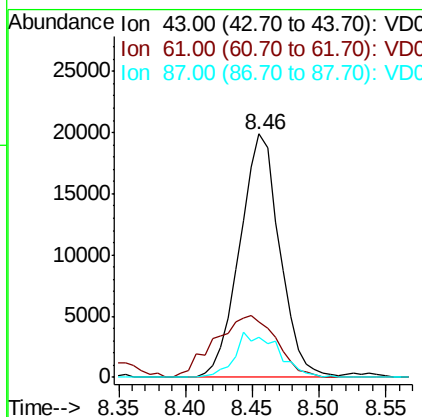
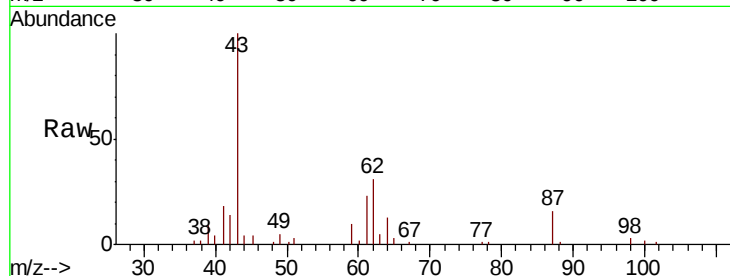
ClientSampleId :

VD1109SBS01

Tot Ion:	43	Resp:	41414
Ion	Ratio	Lower	Upper
43	100		
61	38.8	30.5	45.7
87	19.7	14.7	22.1

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#44

Trichloroethene

Concen: 22.124 ug/l

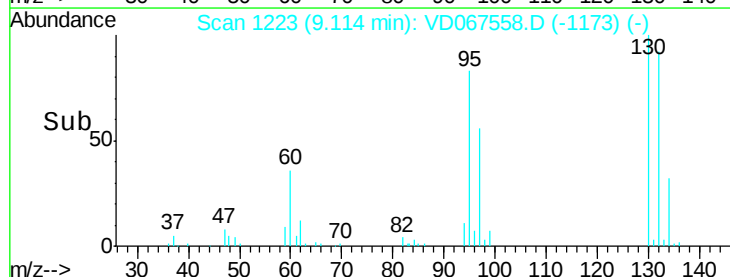
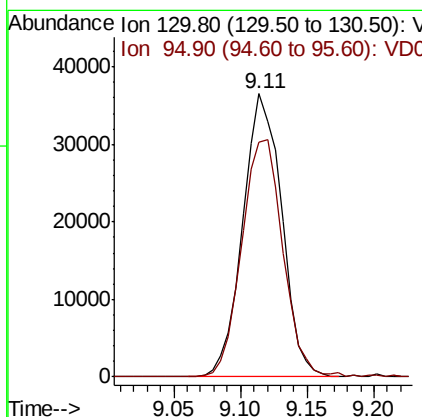
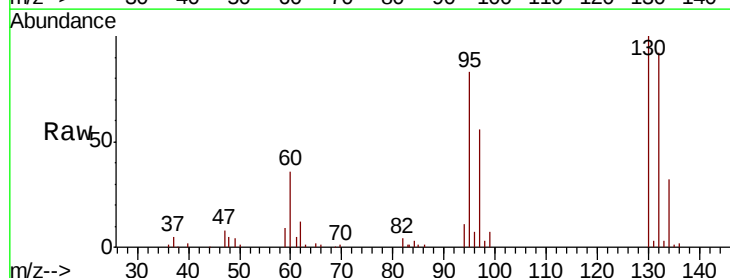
RT: 9.11 min Scan# 1223

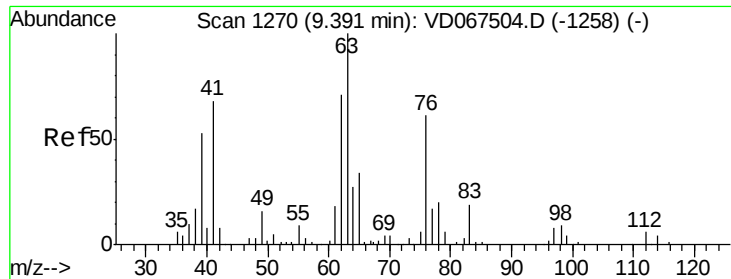
Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion:	130	Resp:	73490
Ion	Ratio	Lower	Upper
130	100		
95	83.0	0.0	194.4





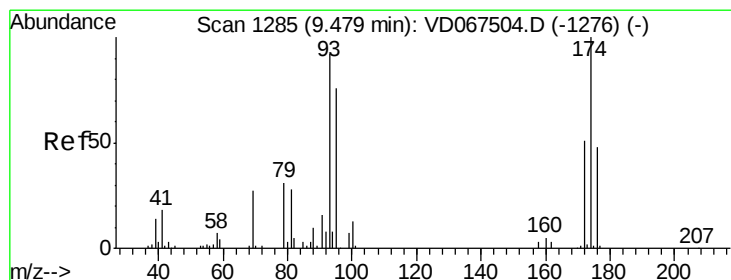
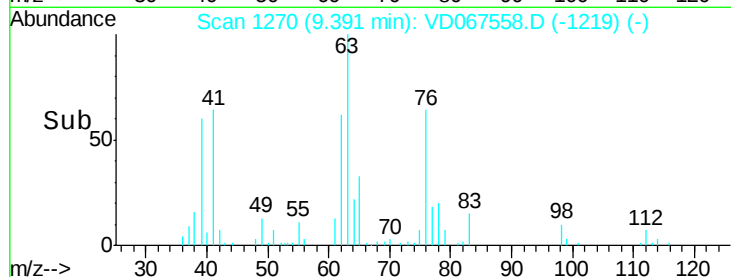
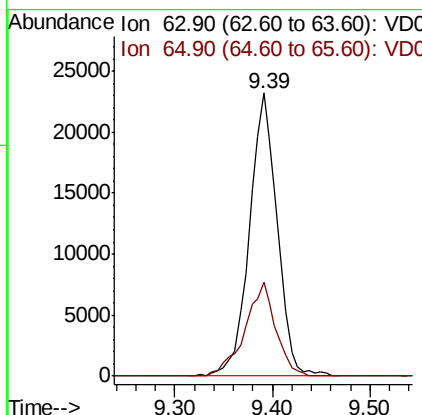
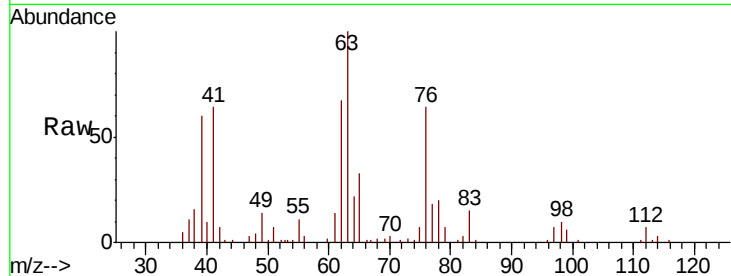
#45
 1,2-Dichloropropane
 Concen: 21.205 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion: 63 Resp: 46317
 Ion Ratio Lower Upper
 63 100
 65 33.1 26.9 40.3

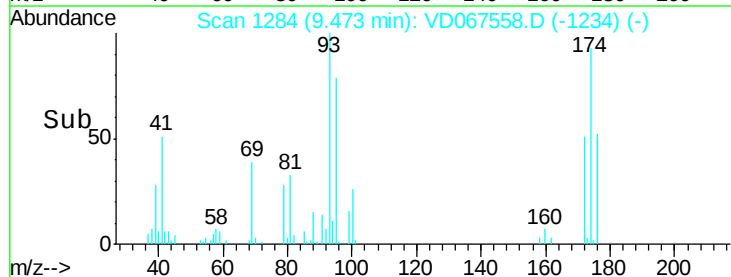
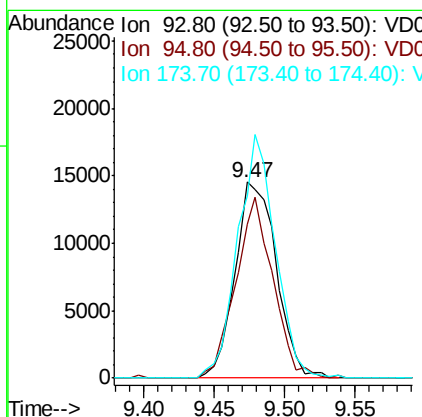
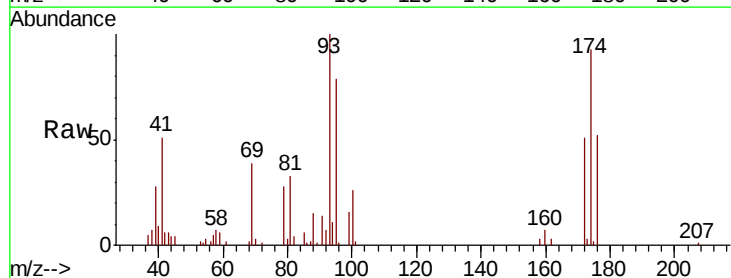
Manual Integrations
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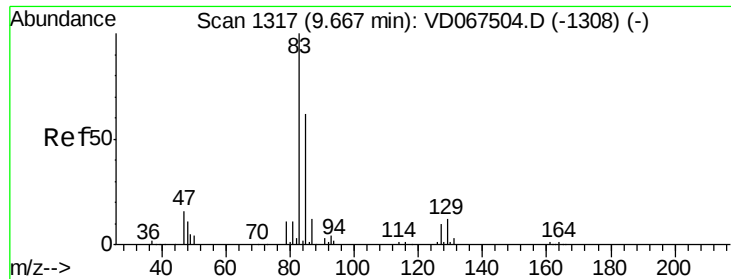
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#46
 Dibromomethane
 Concen: 21.504 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion: 93 Resp: 29864
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.4 99.6
 174 113.2 88.2 132.4





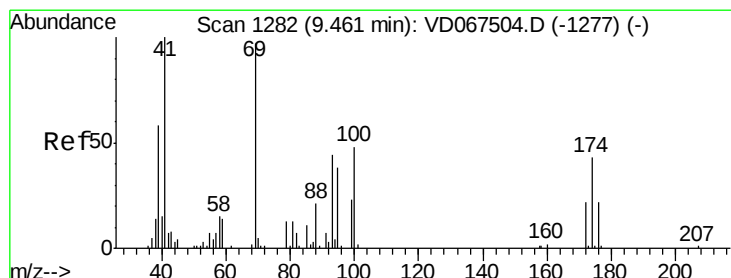
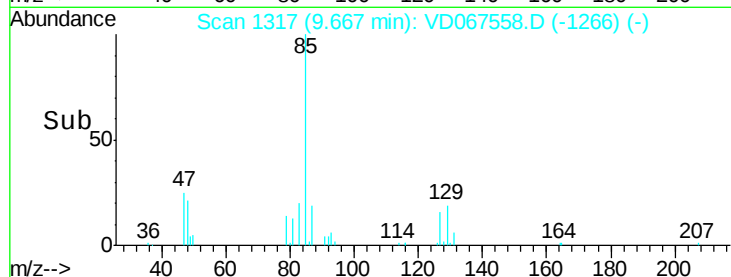
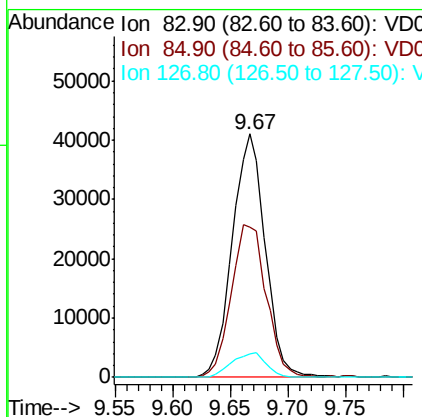
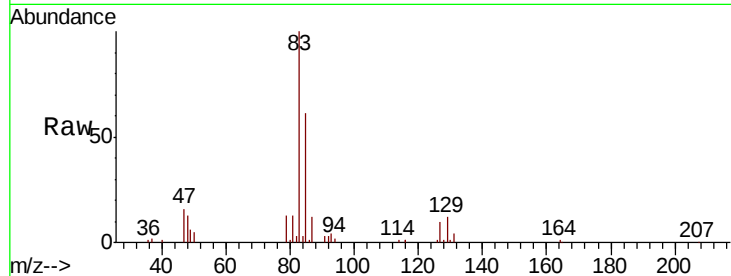
#47
Bromodichloromethane
Concen: 21.519 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	83	Resp	81227
Ion Ratio	100	Lower	Upper
83	100		
85	61.4	49.4	74.2
127	9.7	7.7	11.5

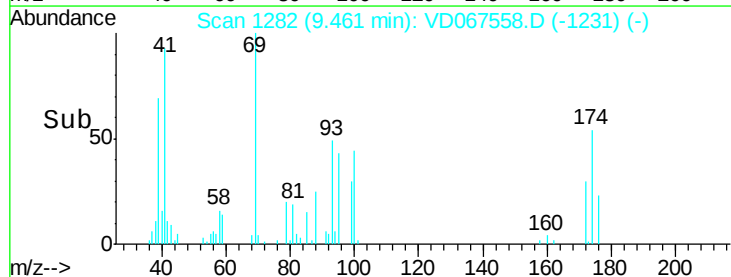
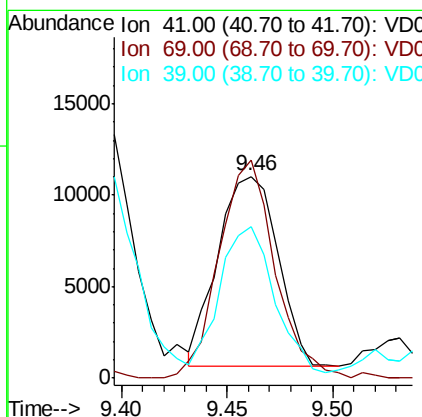
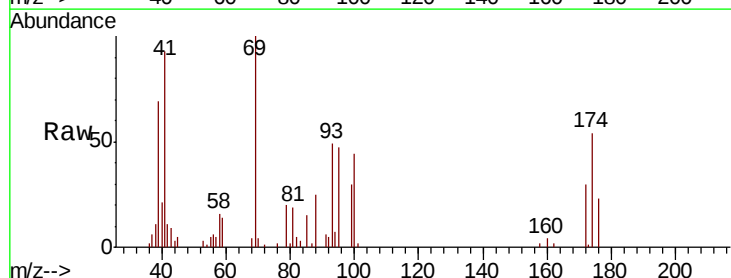
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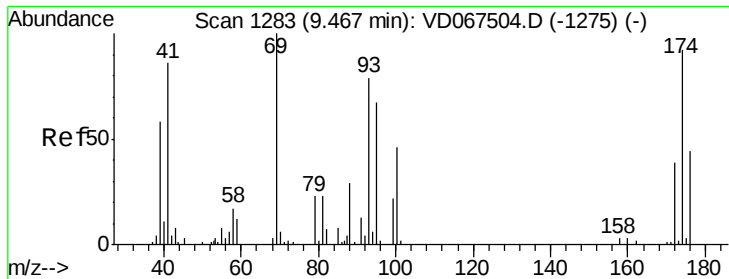
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#48
Methyl methacrylate
Concen: 20.599 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	41	Resp	20367
Ion Ratio	100	Lower	Upper
41	100		
69	107.5	80.6	121.0
39	75.7	50.2	75.4#





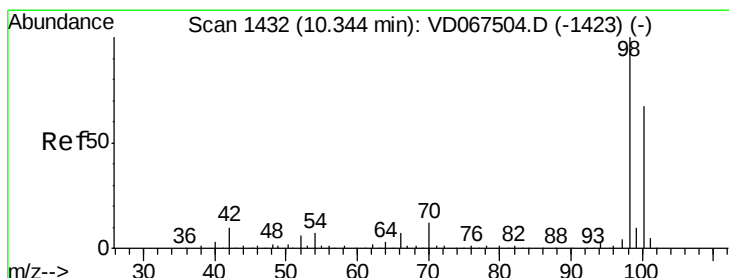
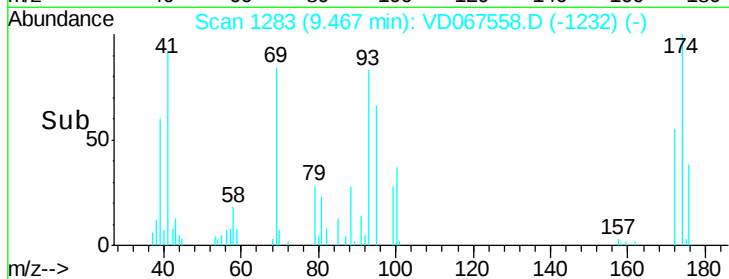
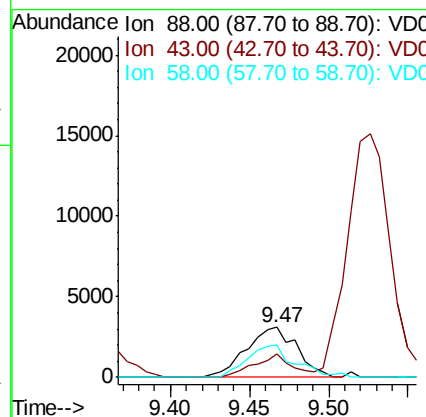
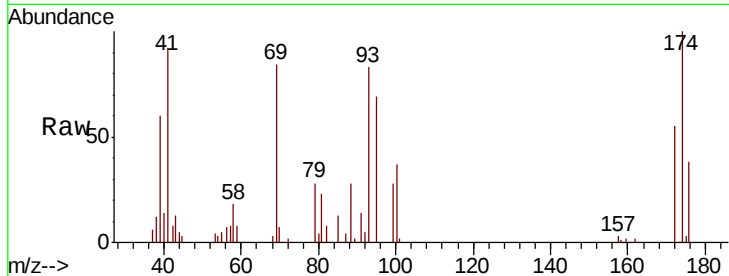
#49
1,4-Dioxane
Concen: 485.792 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

Tot Ion: 88 Resp: 6849
Ion Ratio Lower Upper
88 100
43 35.9 23.6 35.4#
58 60.5 44.7 67.1

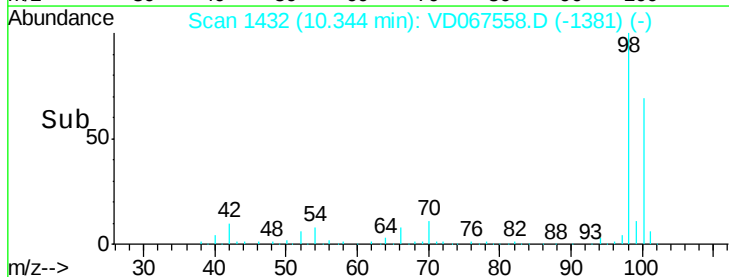
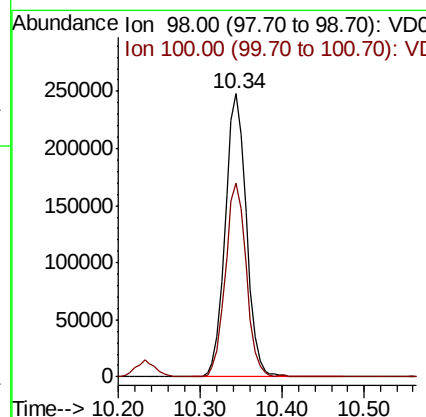
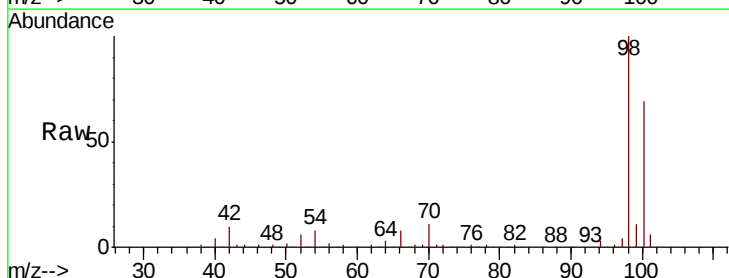
Manual Integrations
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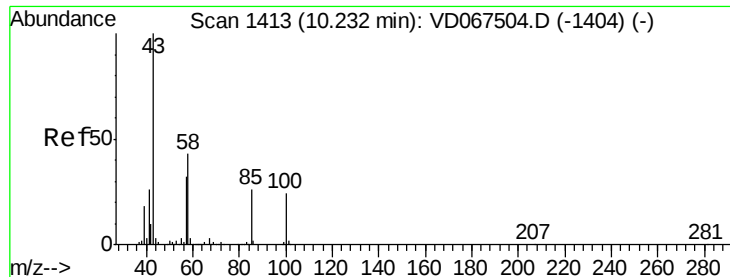
MMDadoda
11/10/2020 1:11:50 PM



#50
Toluene-d8
Concen: 48.456 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 98 Resp: 447021
Ion Ratio Lower Upper
98 100
100 67.9 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 116.799 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 43 Resp: 106967

Ion Ratio Lower Upper

43 100

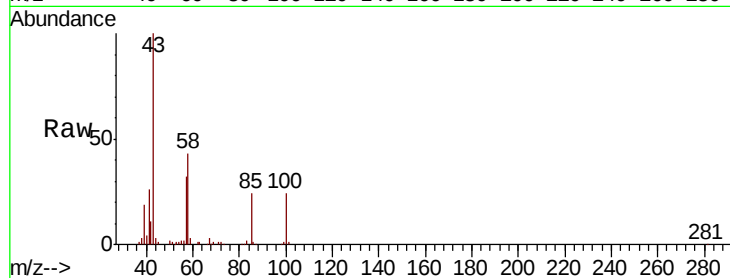
58 44.2 35.6 53.4

Manual Integrations

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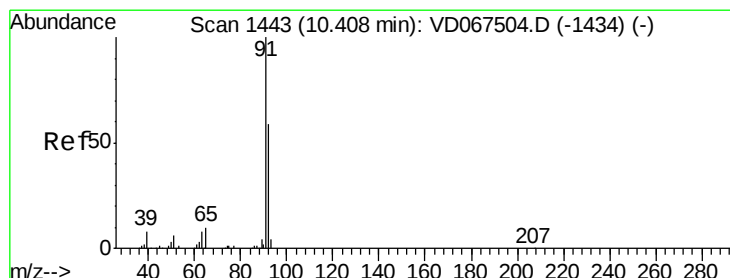
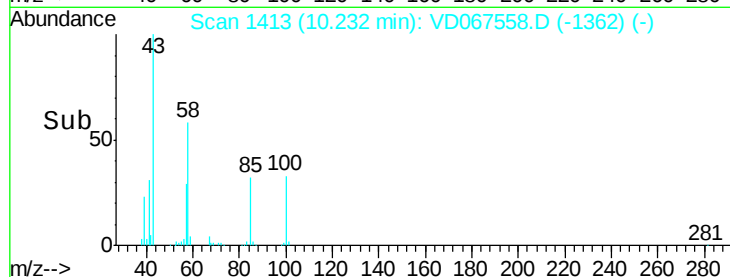
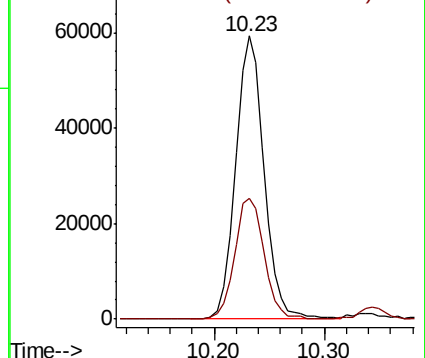
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.960 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067558.D

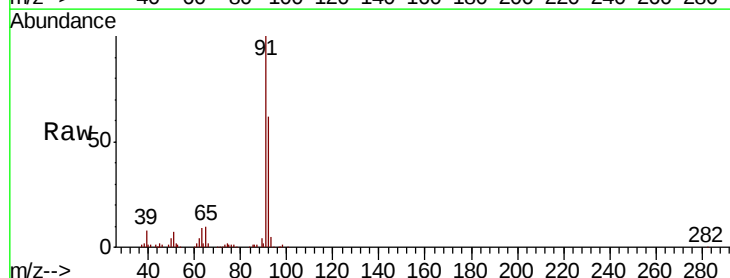
Acq: 09 Nov 2020 11:45

Tgt Ion: 92 Resp: 148595

Ion Ratio Lower Upper

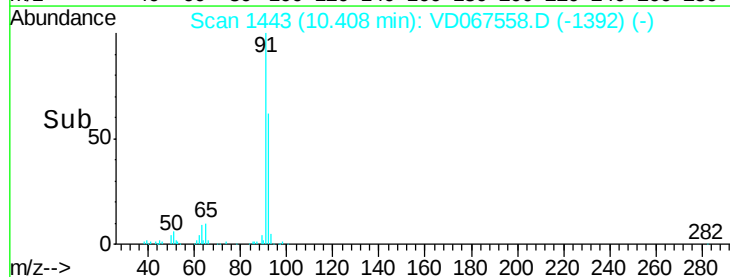
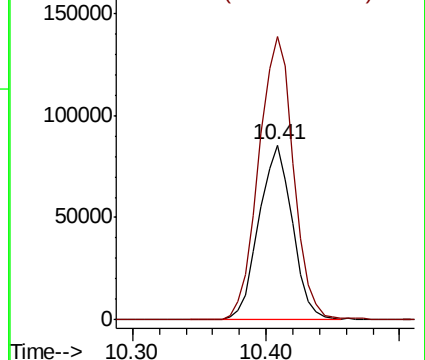
92 100

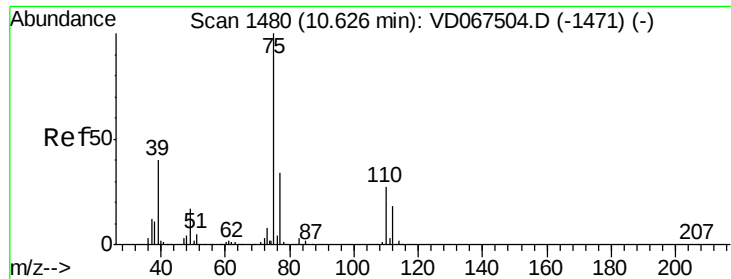
91 168.9 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





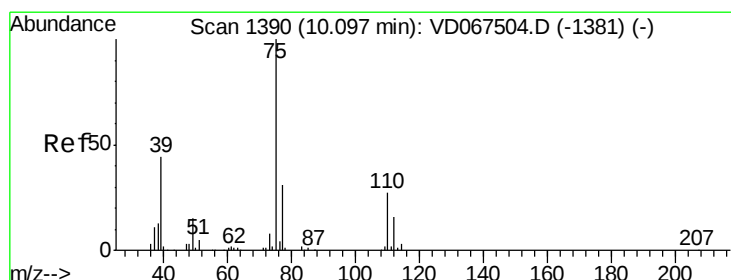
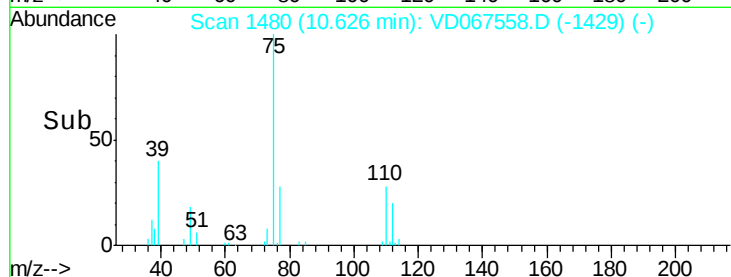
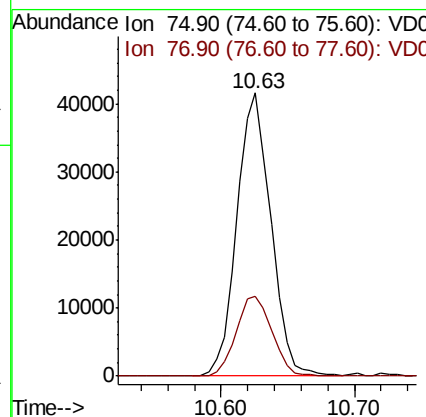
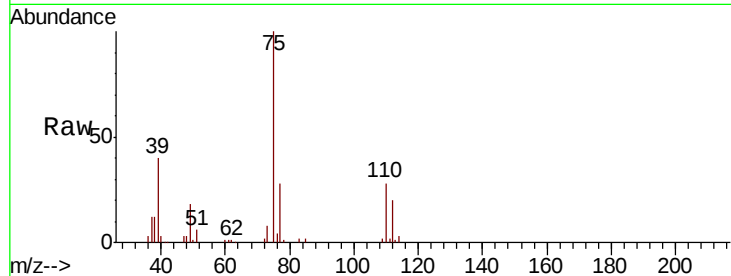
#53
t-1,3-Dichloropropene
Concen: 22.747 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

Tot Ion: 75 Resp: 73539
Ion Ratio Lower Upper
75 100
77 28.2 27.0 40.6

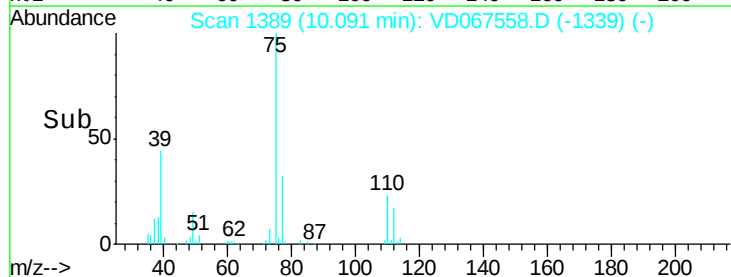
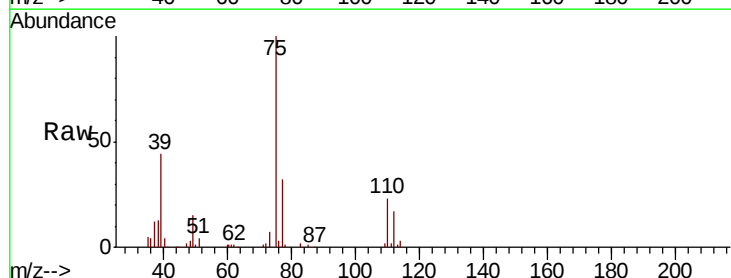
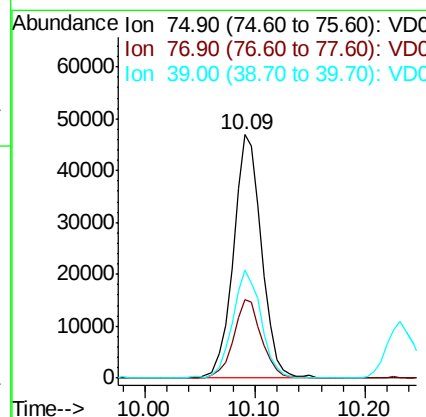
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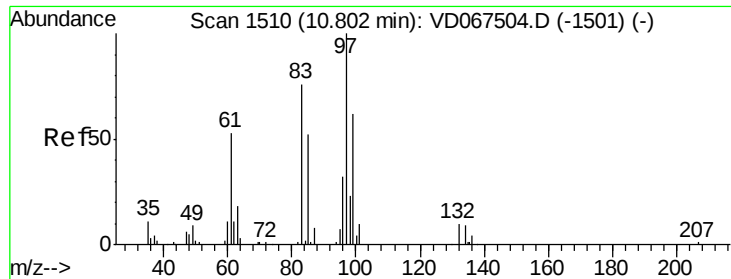
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#54
cis-1,3-Dichloropropene
Concen: 21.733 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 75 Resp: 83478
Ion Ratio Lower Upper
75 100
77 32.4 24.4 36.6
39 44.4 35.6 53.4





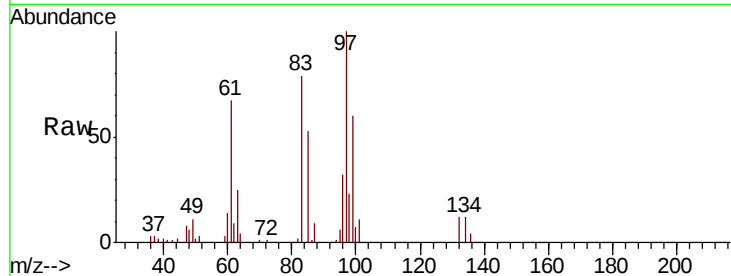
#55
 1,1,2-Trichloroethane
 Concen: 21.965 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

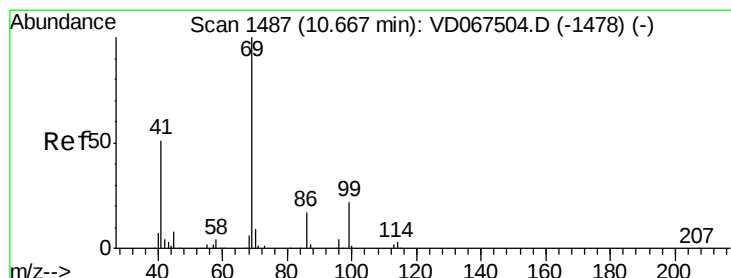
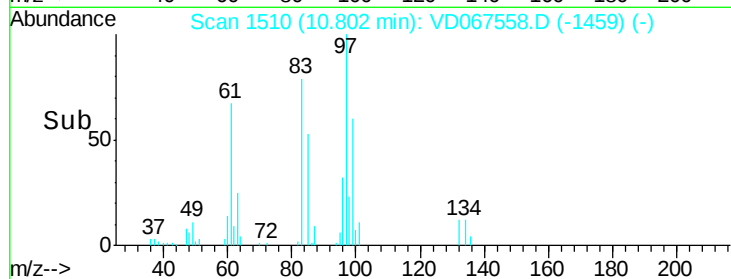
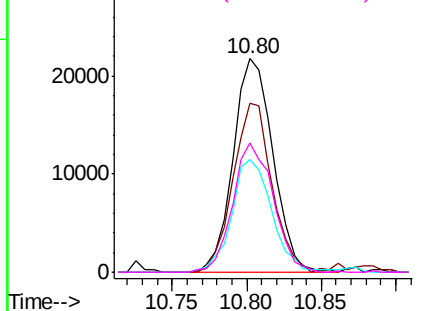
Tot Ion:	97	Resp:	40361
Ion	Ratio	Lower	Upper
97	100		
83	79.1	61.0	91.6
85	52.8	41.5	62.3
99	60.3	49.4	74.2

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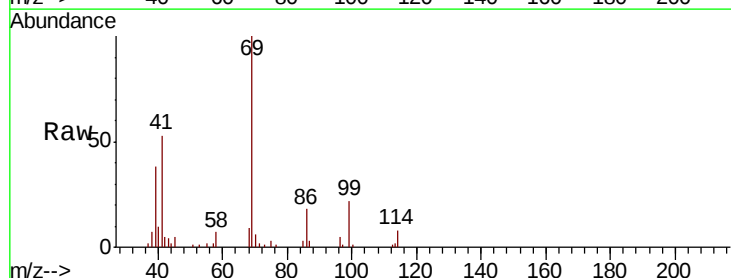


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

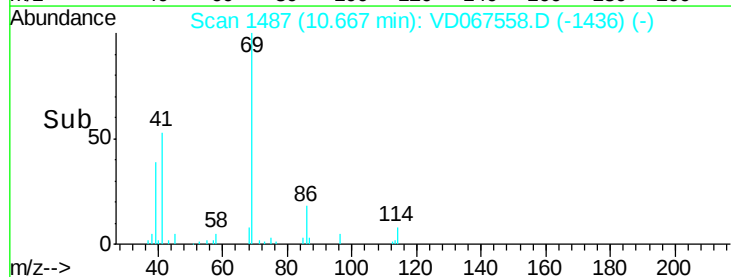
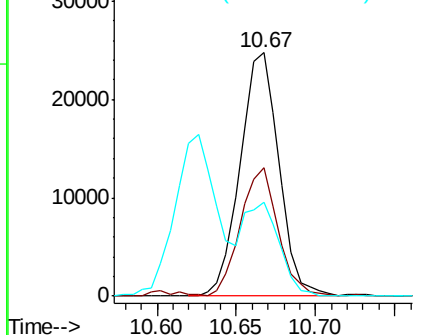


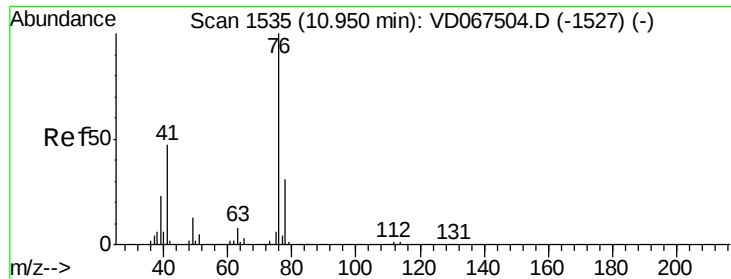
#56
 Ethyl methacrylate
 Concen: 22.197 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion:	69	Resp:	42121
Ion	Ratio	Lower	Upper
69	100		
41	51.1	45.4	68.0
39	35.1	27.4	41.0



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





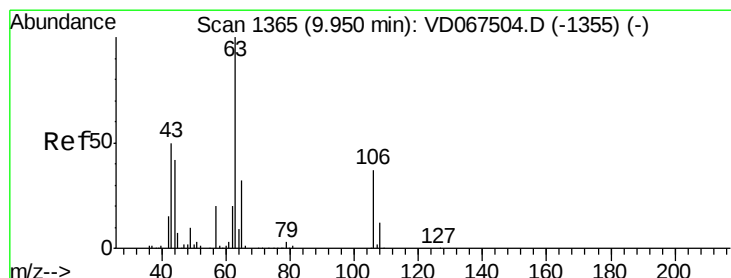
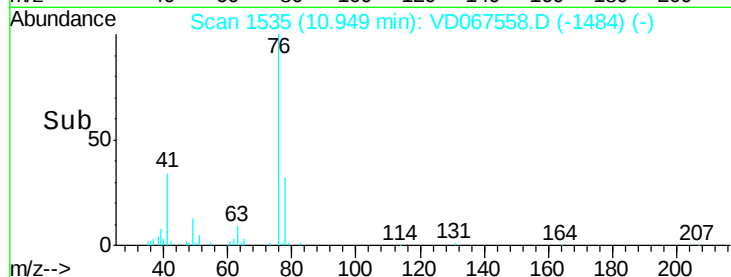
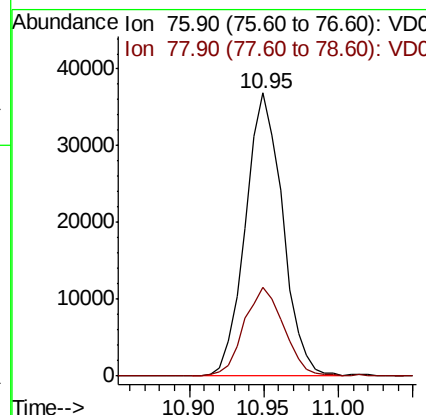
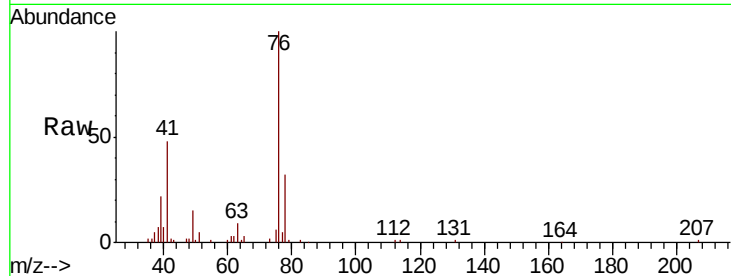
#57
 1,3-Dichloropropane
 Concen: 21.582 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.8	26.1	39.1

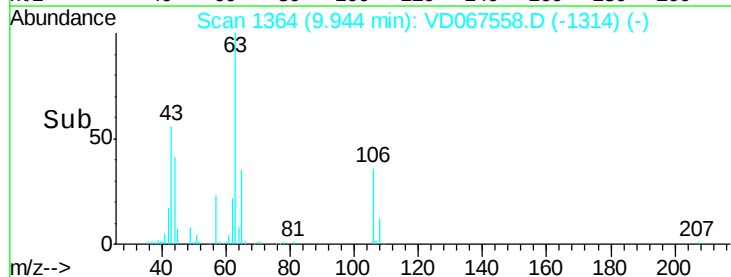
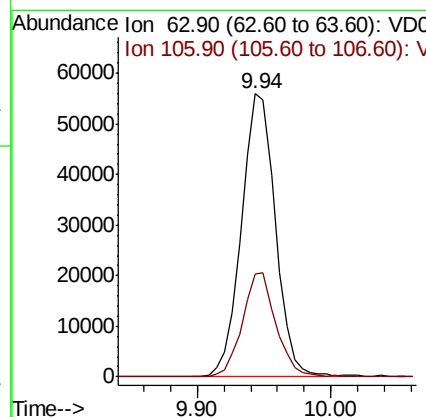
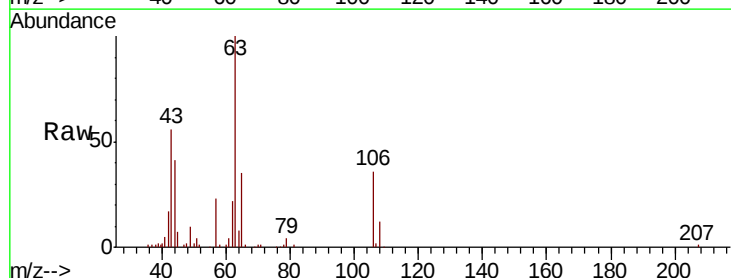
Manual Integrations
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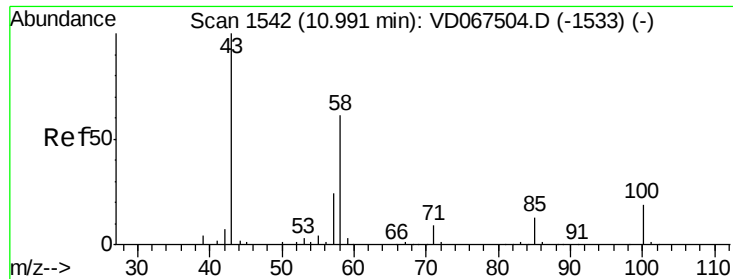
MMDadoda
 11/10/2020 1:11:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.151 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	36.4	29.2	43.8





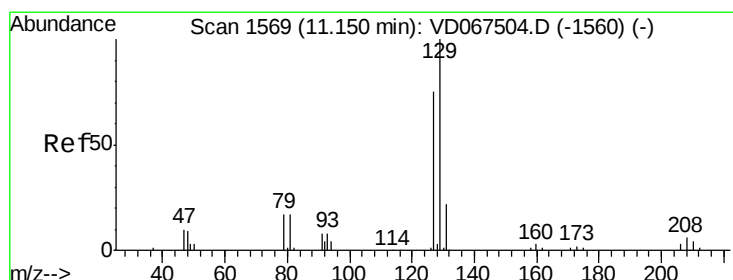
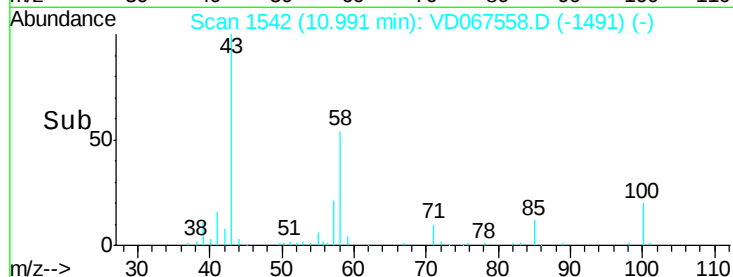
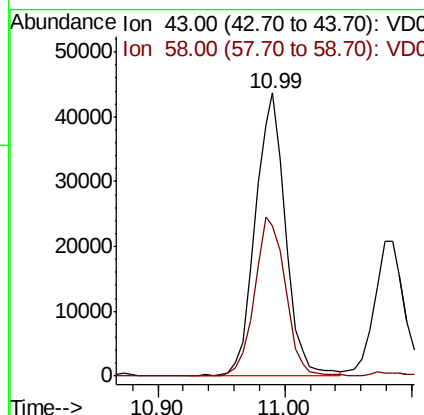
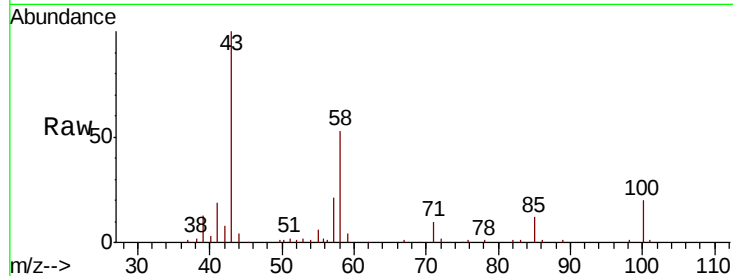
#59
2-Hexanone
Concen: 113.186 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion: 43 Resp: 72478
Ion Ratio Lower Upper
43 100
58 57.5 30.3 90.9

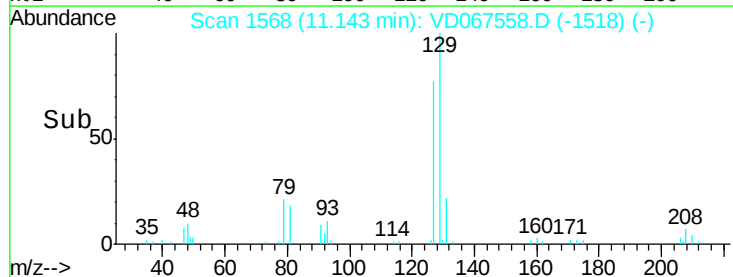
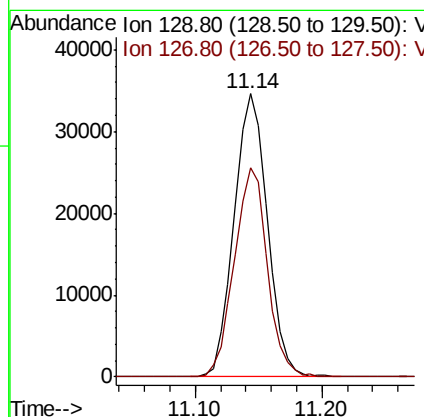
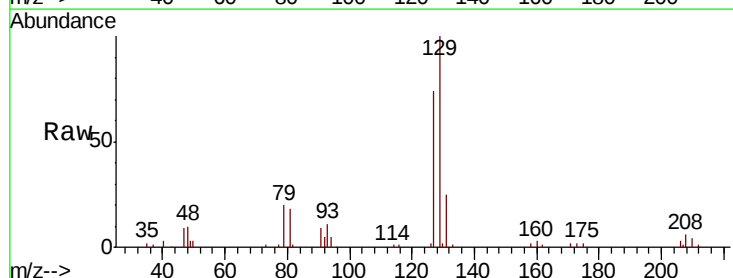
Manual Integrations
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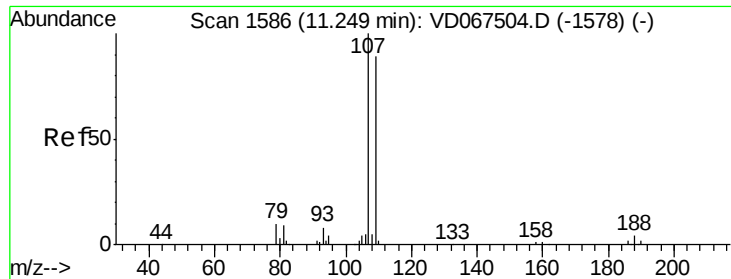
MMDadoda
11/10/2020 1:11:50 PM



#60
Dibromochloromethane
Concen: 23.118 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 129 Resp: 62839
Ion Ratio Lower Upper
129 100
127 73.2 38.0 114.1





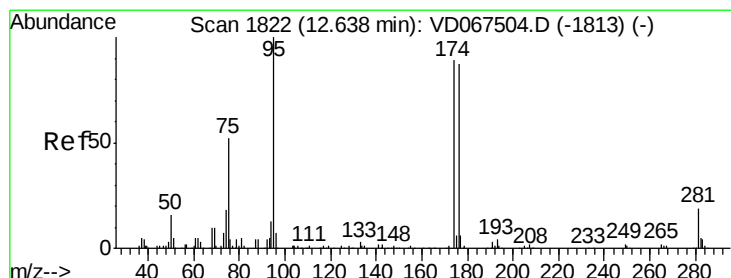
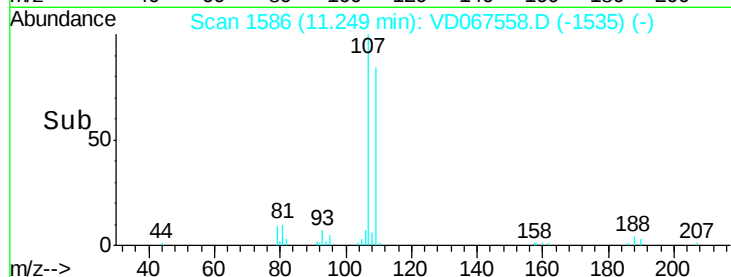
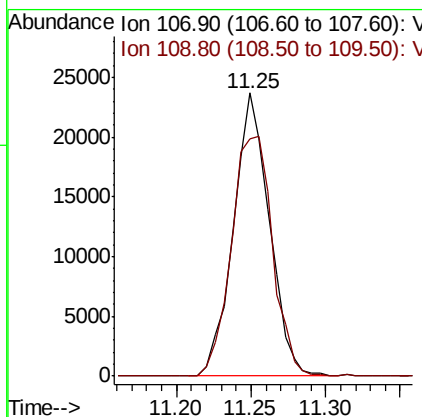
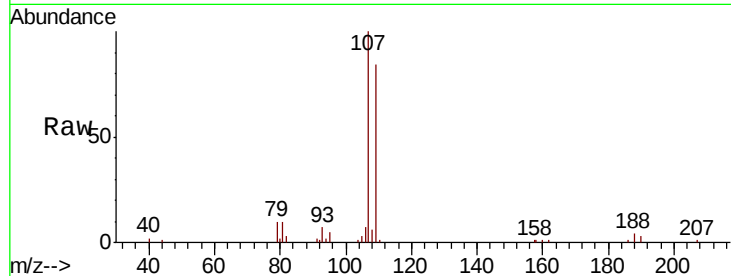
#61
 1,2-Dibromoethane
 Concen: 21.547 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBSD01

Tot Ion: 107 Resp: 39738
 Ion Ratio Lower Upper
 107 100
 109 97.2 74.6 111.8

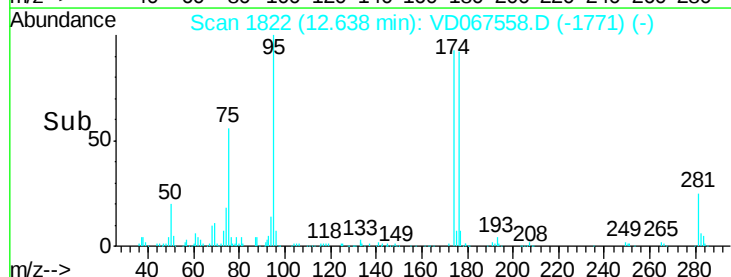
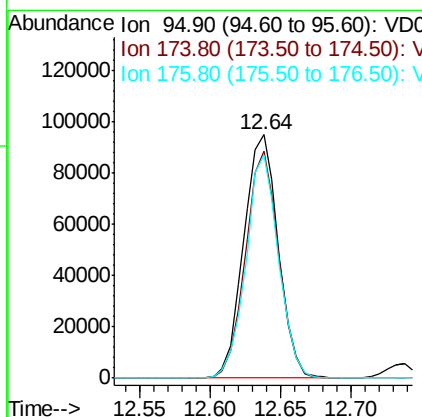
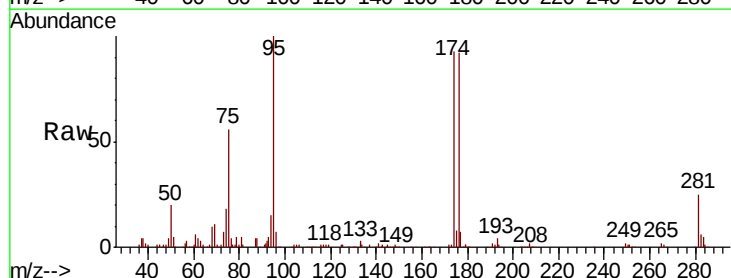
Manual Integrations
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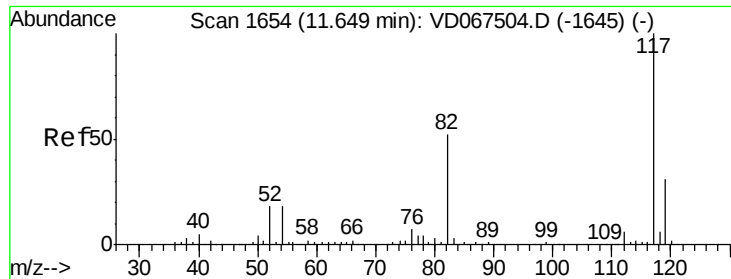
MMDadoda
 11/10/2020 1:11:50 PM



#62
 4-Bromofluorobenzene
 Concen: 51.126 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion: 95 Resp: 162834
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 177.8
 176 86.8 0.0 172.0





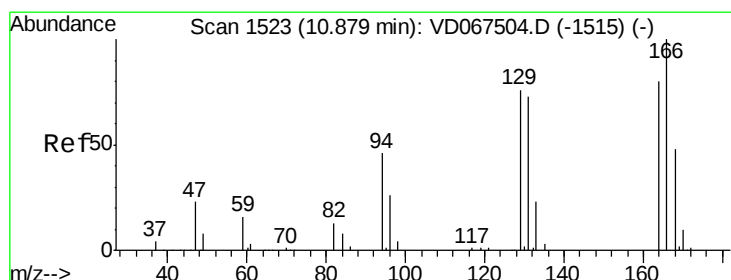
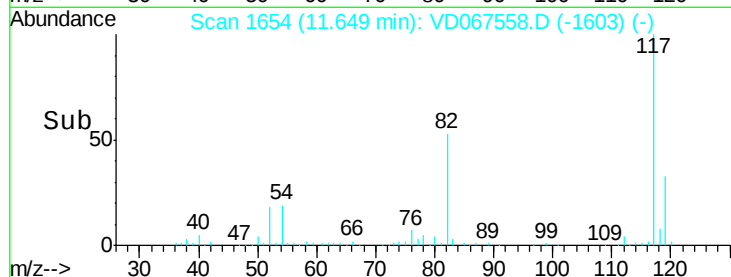
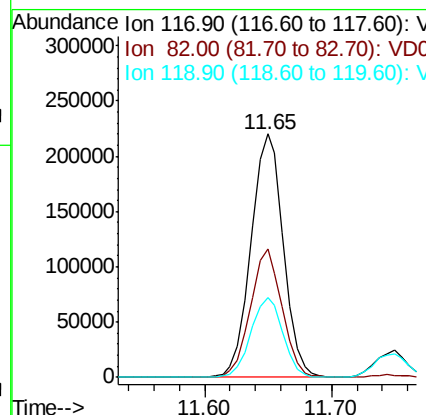
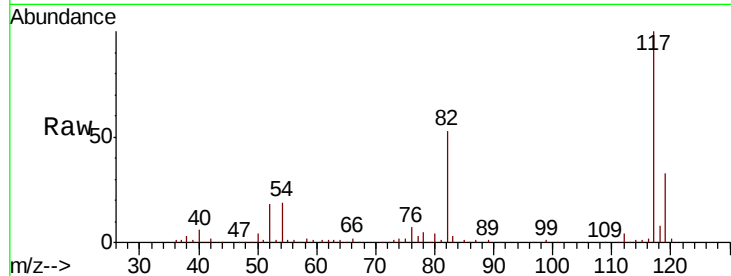
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.6	62.4
119	32.7	25.1	37.7

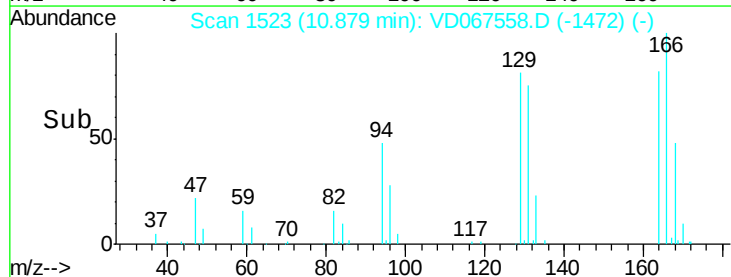
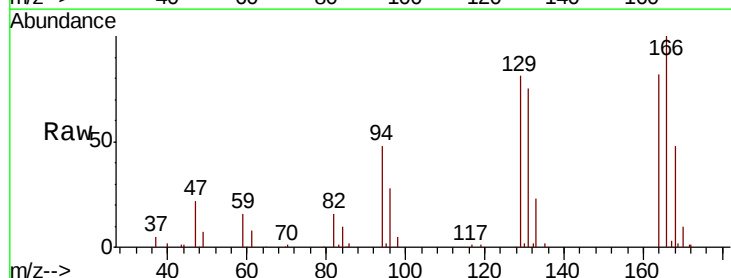
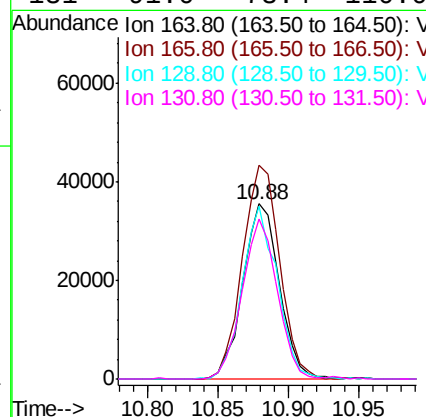
Manual Integrations
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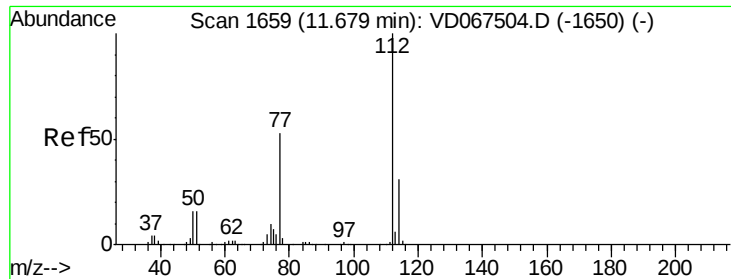
MMDadoda
11/10/2020 1:11:50 PM



#64
Tetrachloroethene
Concen: 22.278 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	99.9	149.9
129	98.3	75.5	113.3
131	91.0	73.4	110.0





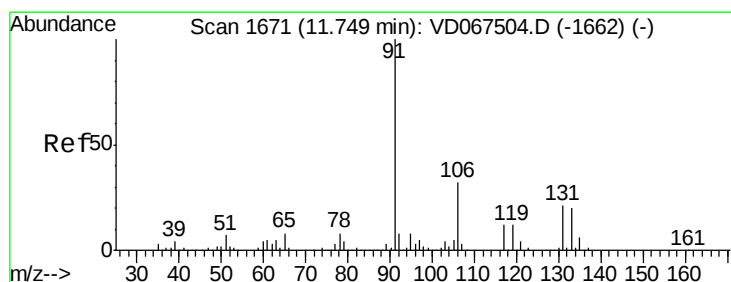
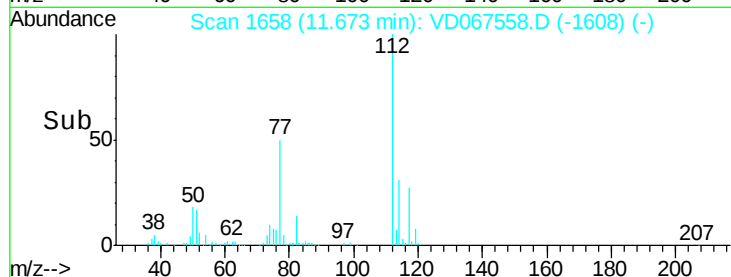
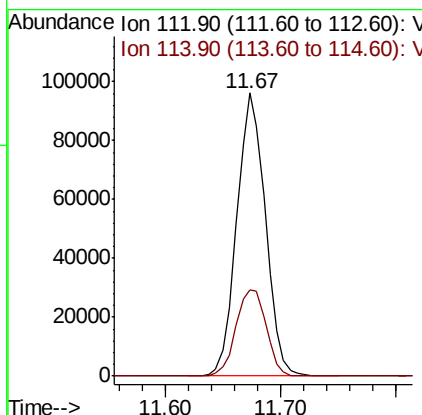
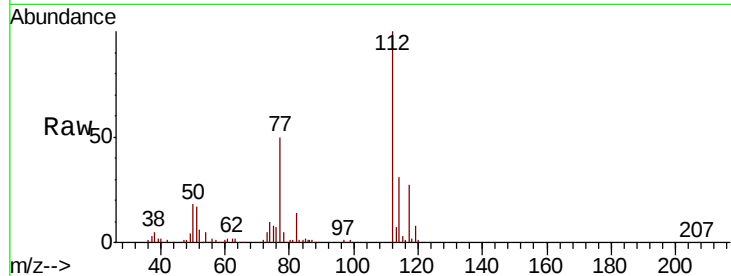
#65
Chlorobenzene
Concen: 21.913 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	24.9	37.3

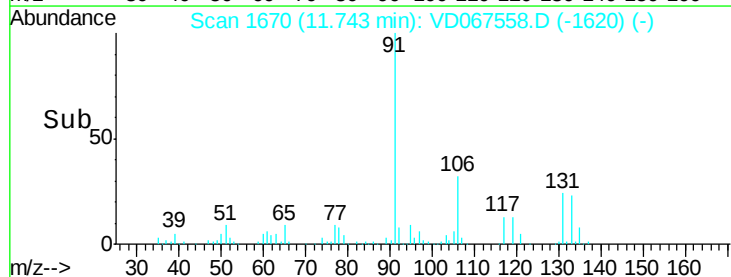
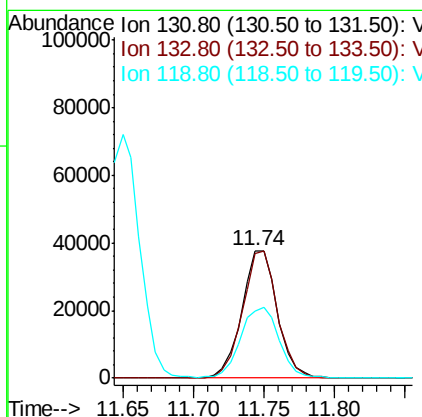
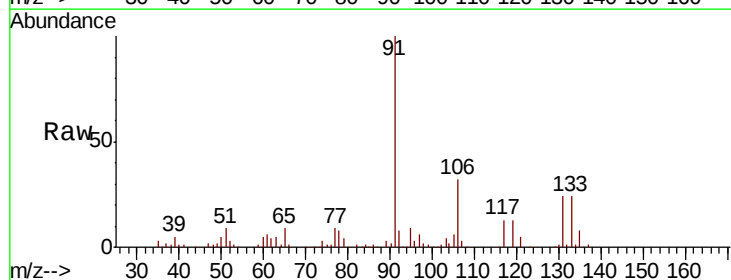
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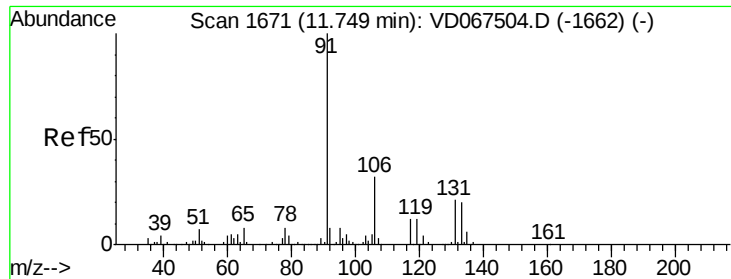
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.464 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	48.0	144.0
119	60.5	30.1	90.5





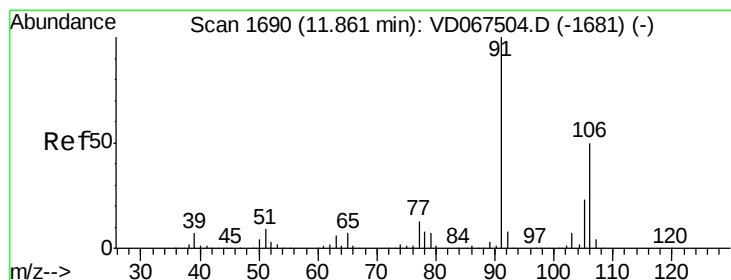
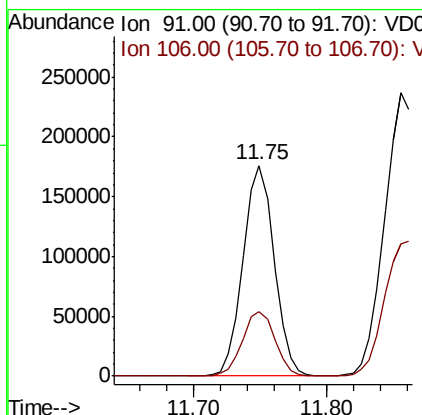
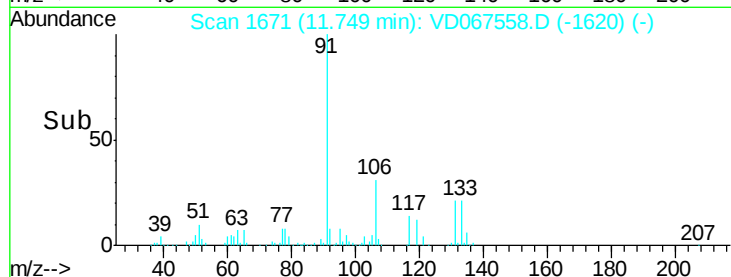
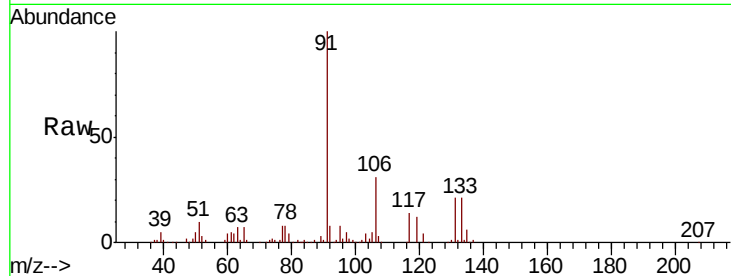
#67
Ethyl Benzene
Concen: 22.129 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleID :
VD1109SBS01

Tot Ion: 91 Resp: 284830
Ion Ratio Lower Upper
91 100
106 30.7 25.7 38.5

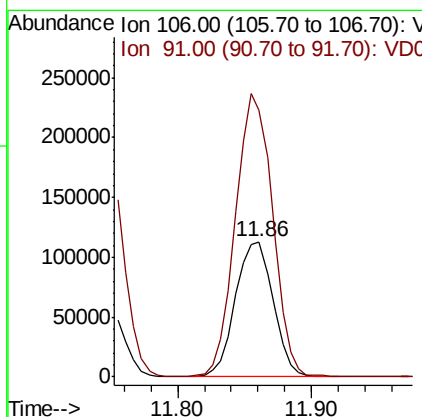
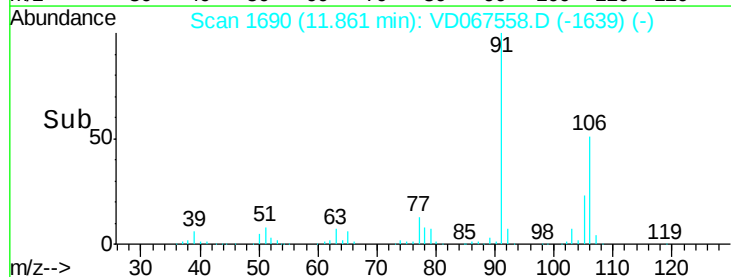
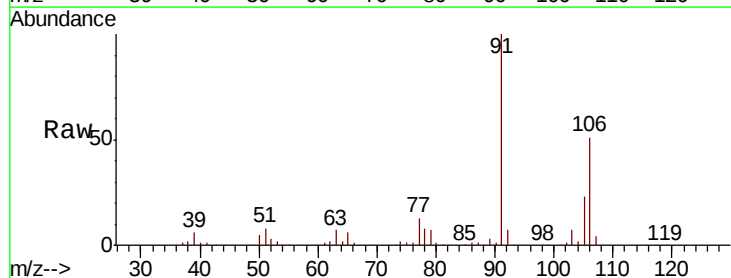
Manual Integrations
APPROVED

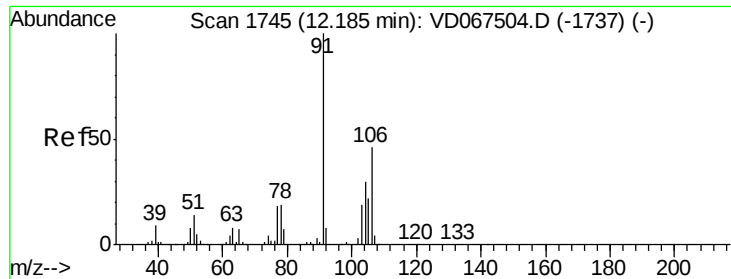
MMDadoda
11/10/2020 1:11:50 PM



#68
m/p-Xylenes
Concen: 44.198 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 106 Resp: 221325
Ion Ratio Lower Upper
106 100
91 206.4 162.6 244.0





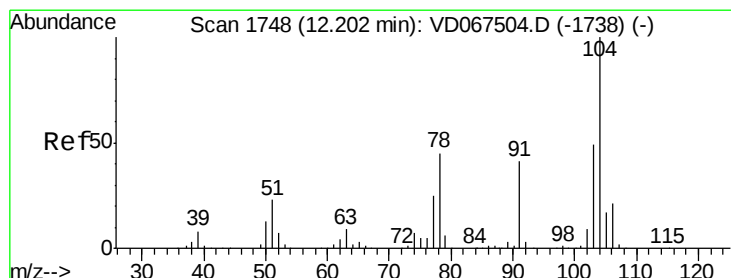
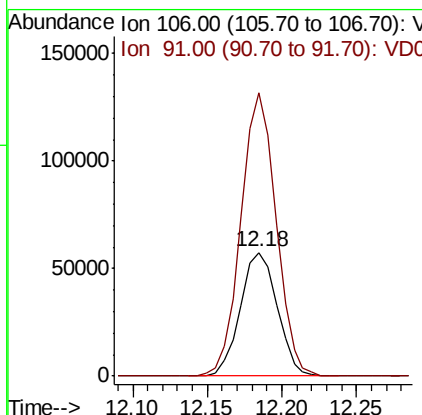
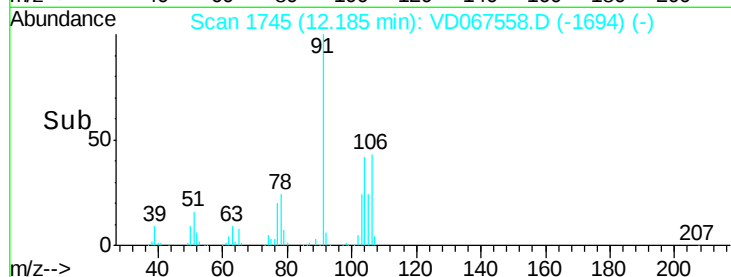
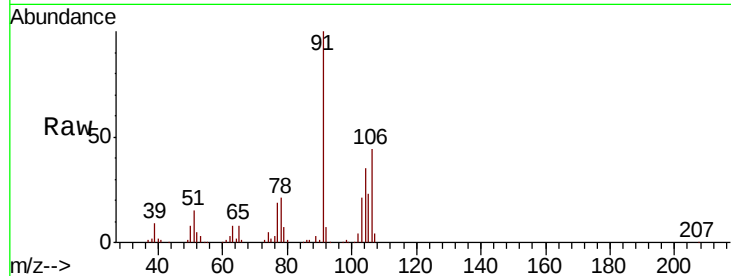
#69
o-Xylene
Concen: 21.994 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleID :
VD1109SBS01

Tot Ion:106 Resp: 98335
Ion Ratio Lower Upper
106 100
91 219.1 107.1 321.1

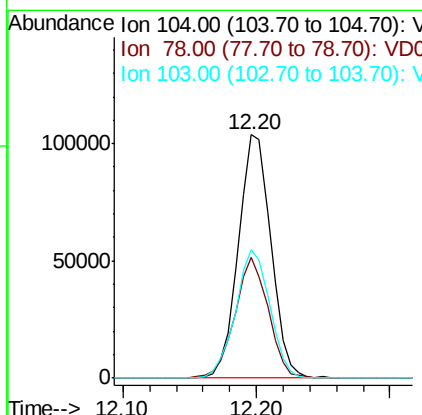
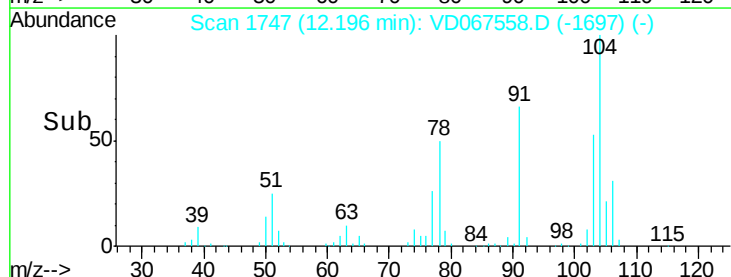
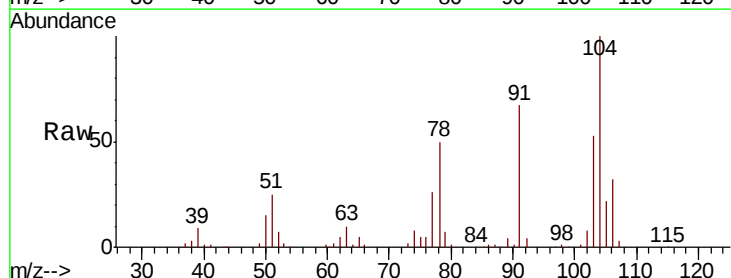
Manual Integrations
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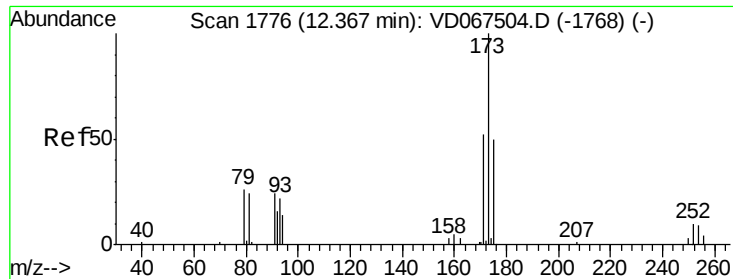
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#70
Styrene
Concen: 22.514 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion:104 Resp: 175396
Ion Ratio Lower Upper
104 100
78 50.8 39.8 59.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 23.863 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

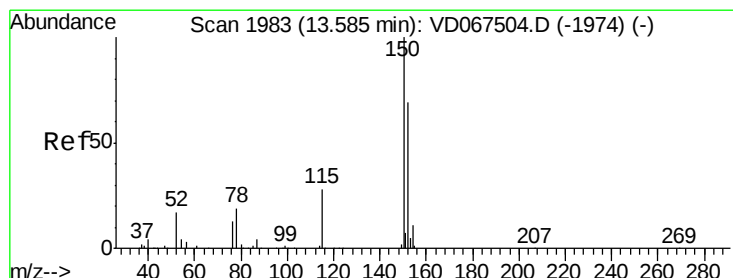
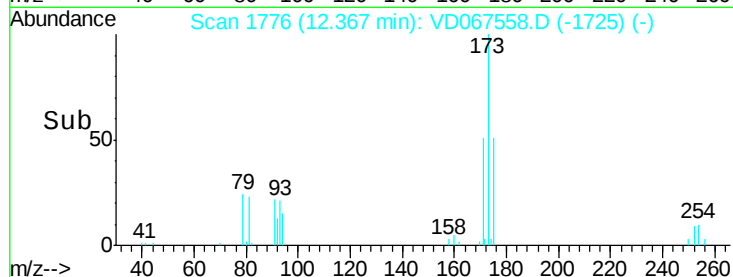
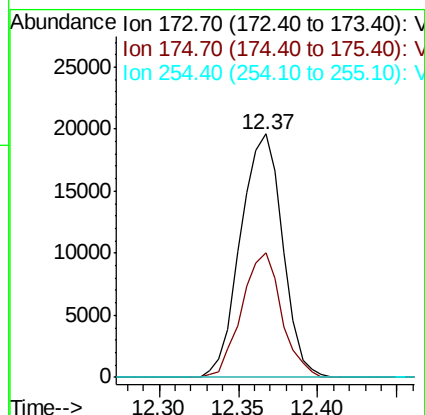
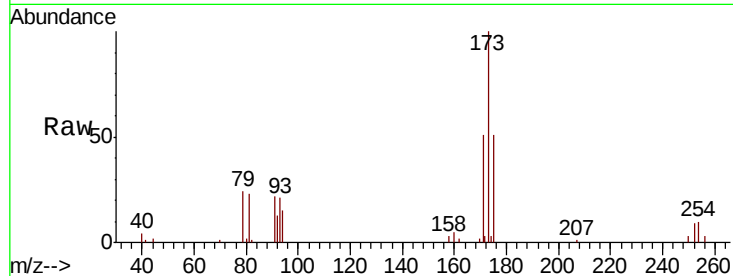
ClientSampleId :

VD1109SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

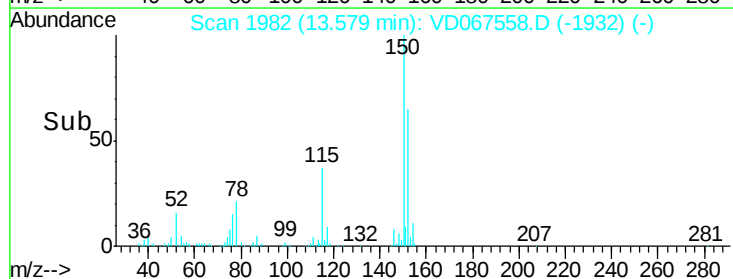
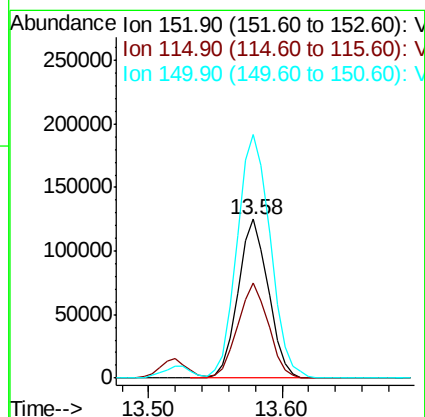
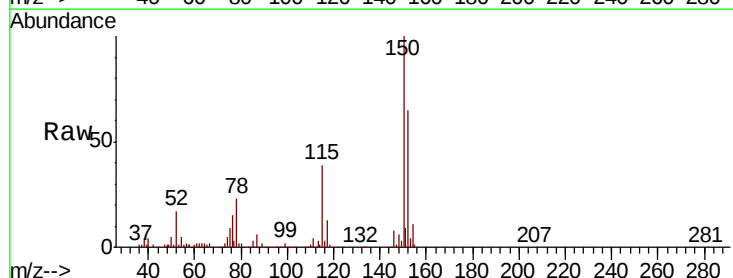
RT: 13.58 min Scan# 1982

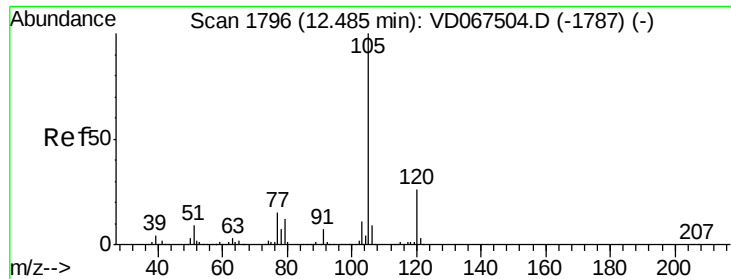
Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	29.3	88.0
150	168.9	0.0	338.2





#73

Isopropylbenzene

Concen: 22.693 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 105 Resp: 287479

Ion Ratio Lower Upper

105 100

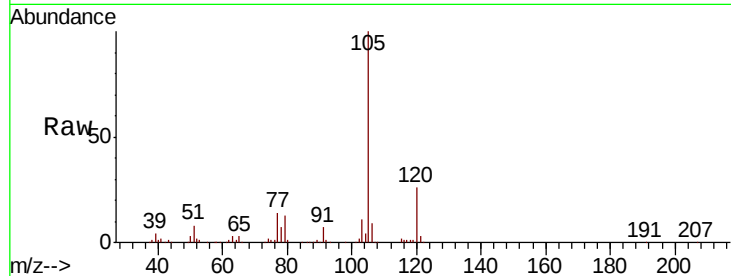
120 26.4 13.2 39.6

Manual Integrations

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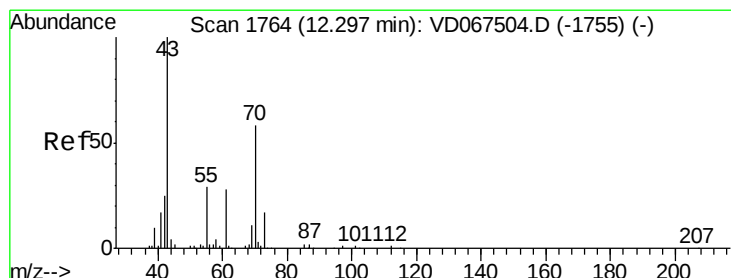
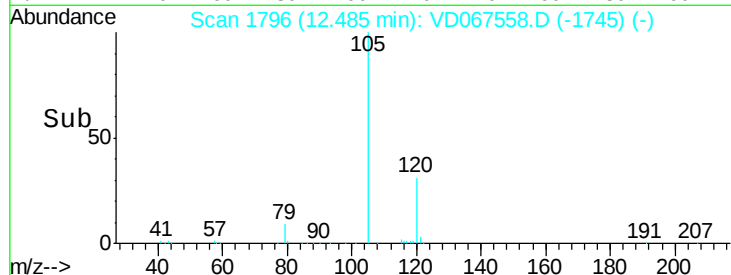
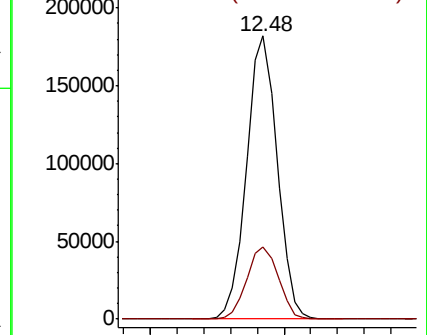
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.579 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion: 43 Resp: 37637

Ion Ratio Lower Upper

43 100

70 53.1 42.6 64.0

55 31.7 23.7 35.5

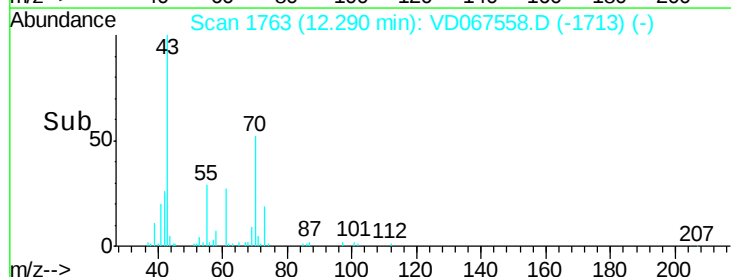
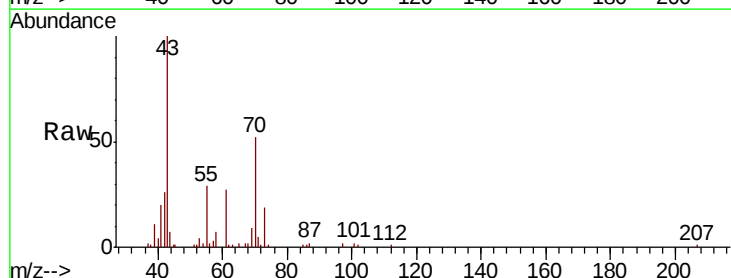
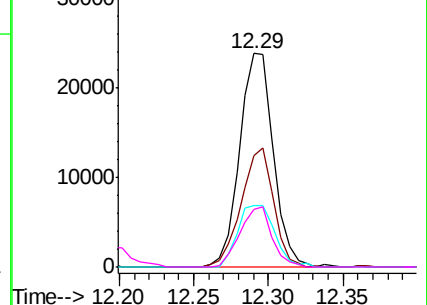
61 26.6 21.9 32.9

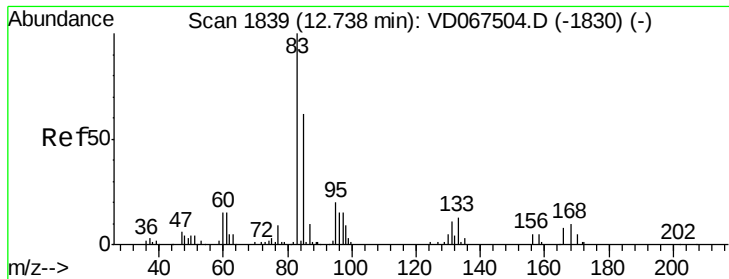
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 22.788 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

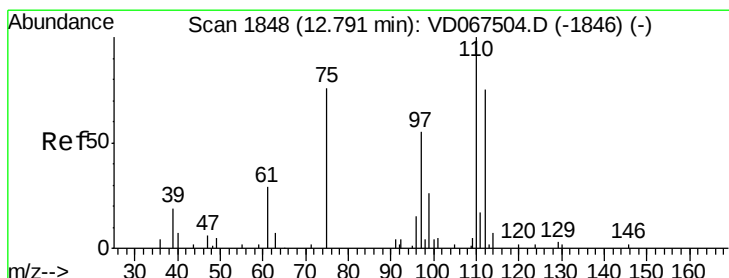
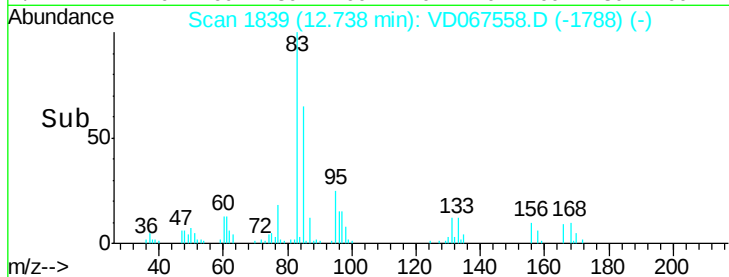
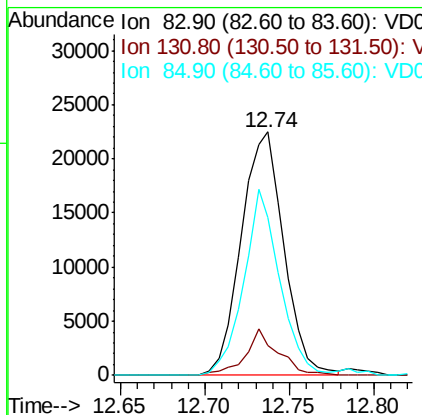
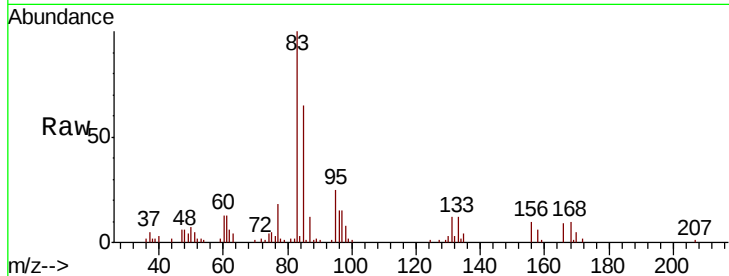
ClientSampleId :

VD1109SBS01

Tot Ion:	83	Resp:	39365
Ion Ratio	Lower	Upper	
83	100		
131	14.7	7.1	21.3
85	64.6	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.596 ug/l m

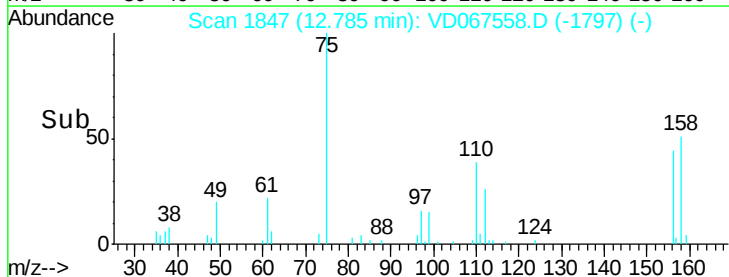
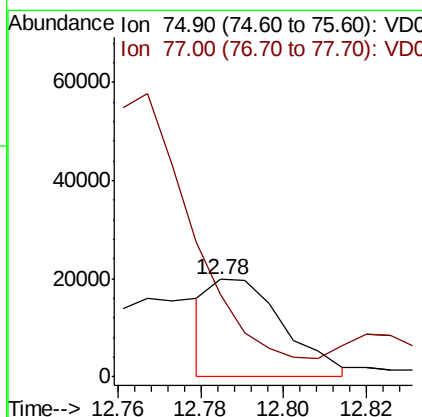
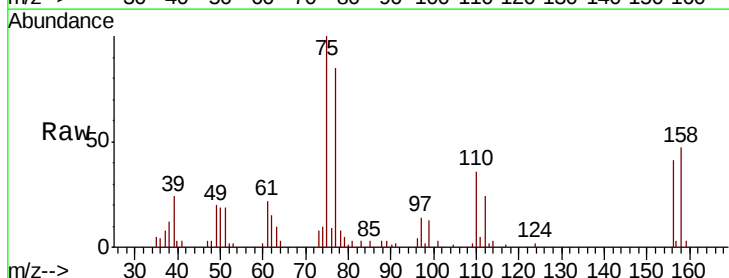
RT: 12.78 min Scan# 1847

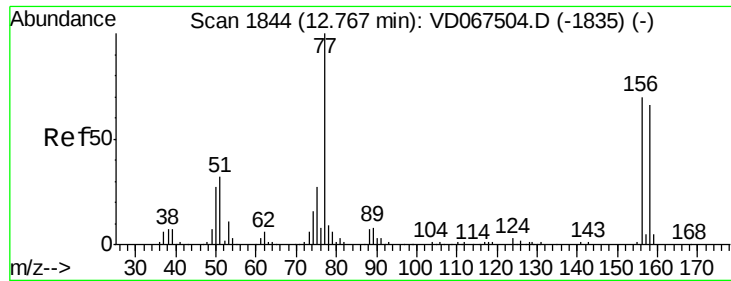
Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion:	75	Resp:	24355
Ion Ratio	Lower	Upper	
75	100		
77	445.8	0.0	0.0#





#77

Bromobenzene

Concen: 22.267 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

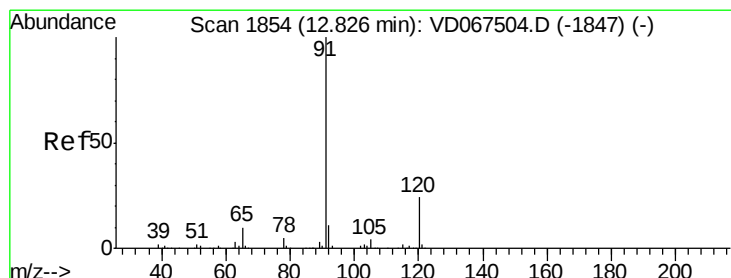
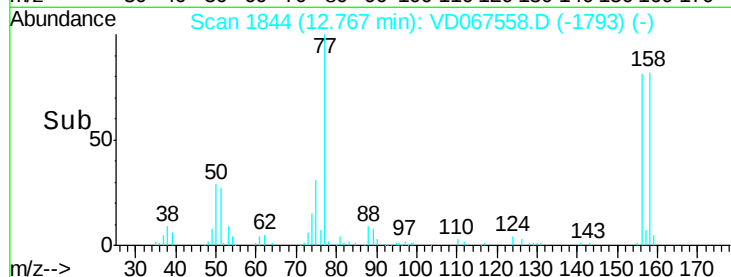
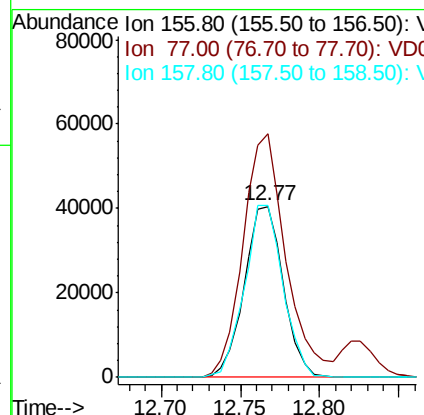
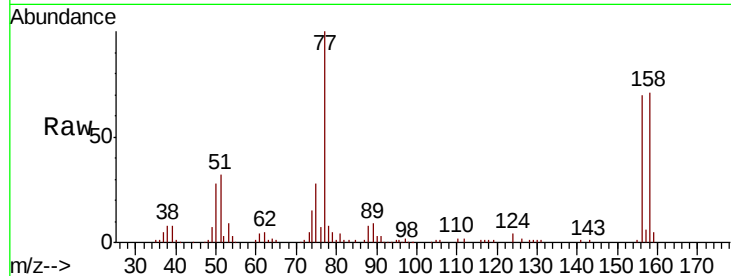
ClientSampleId :

VD1109SBS01

Tot Ion:	156	Resp:	69275
Ion Ratio	Lower	Upper	
156	100		
77	156.7	77.8	233.5
158	99.2	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 22.846 ug/l

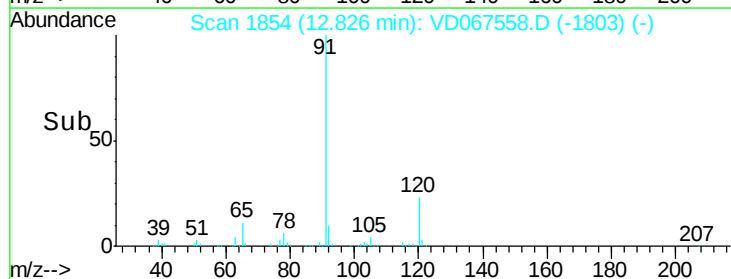
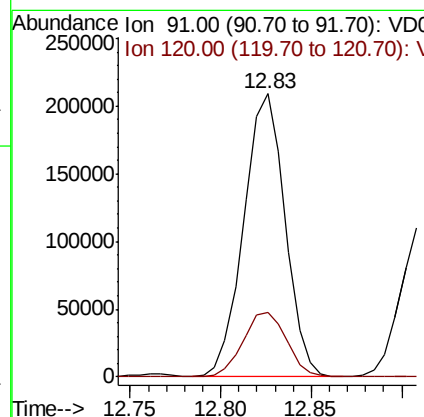
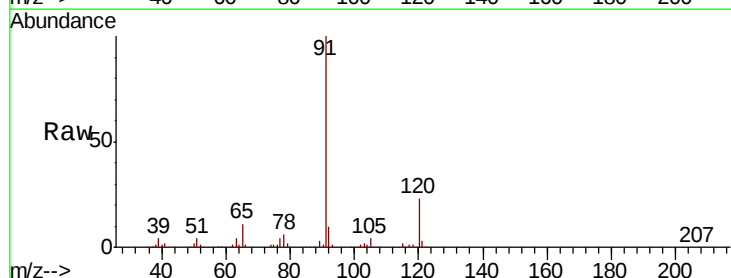
RT: 12.83 min Scan# 1854

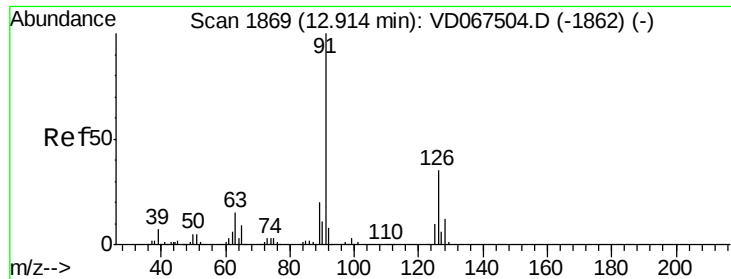
Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion:	91	Resp:	331039
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.2	36.4





#79

2-Chlorotoluene

Concen: 22.810 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 91 Resp: 187750

Ion Ratio Lower Upper

91 100

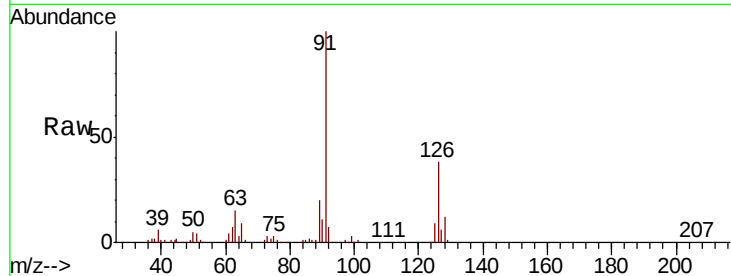
126 36.0 17.8 53.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067504.D (-1862) (-)

200000

150000

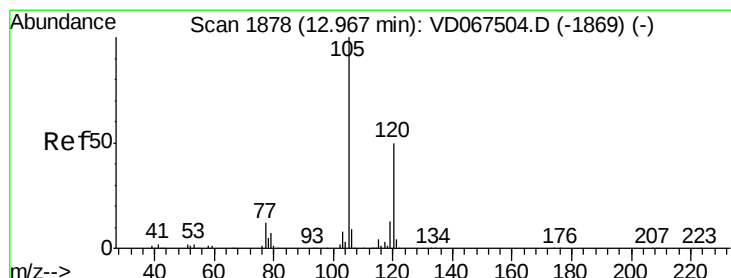
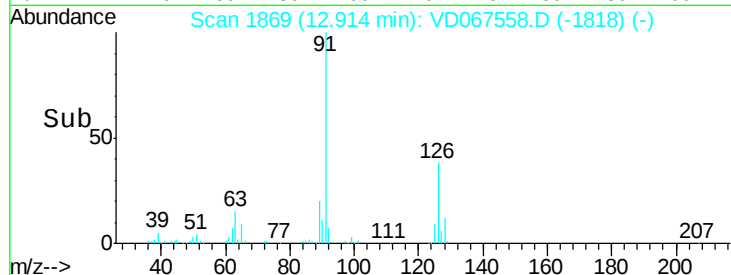
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.079 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067558.D

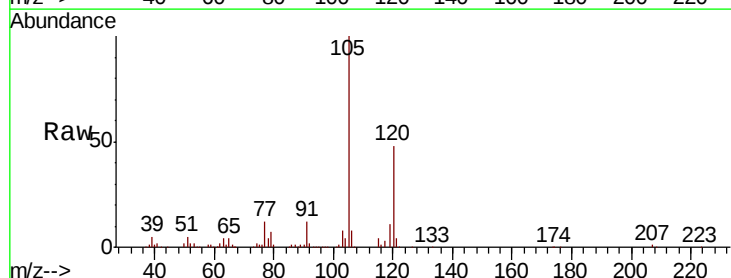
Acq: 09 Nov 2020 11:45

Tgt Ion:105 Resp: 249753

Ion Ratio Lower Upper

105 100

120 49.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD067504.D (-1869) (-)

150000

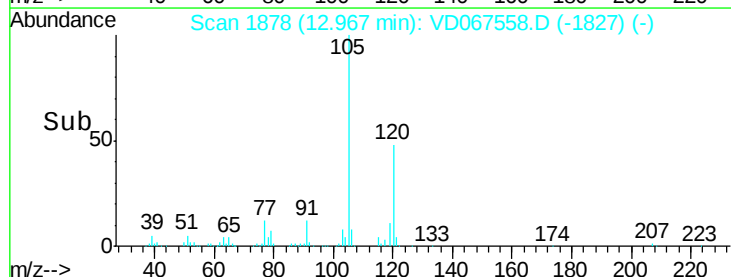
100000

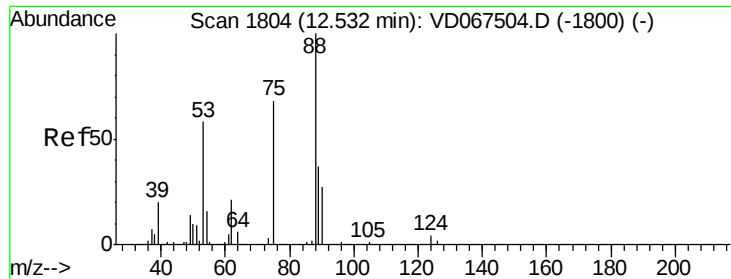
50000

0

12.90 12.95 13.00

Time-->





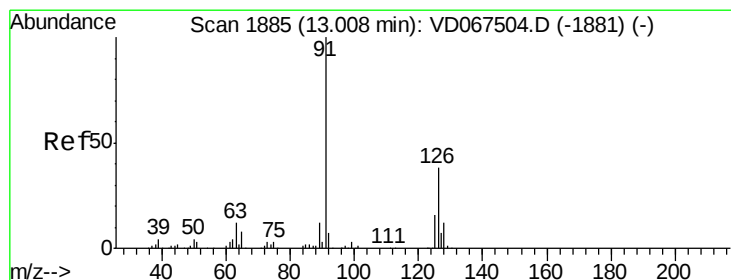
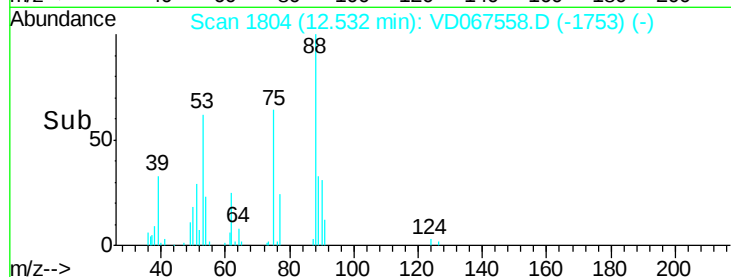
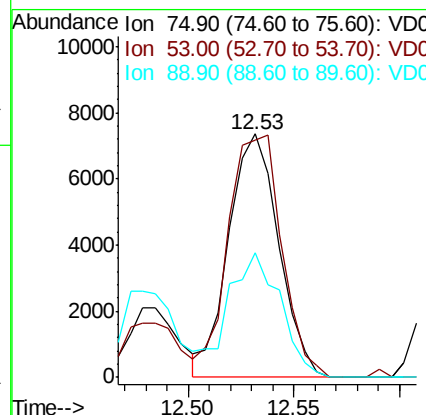
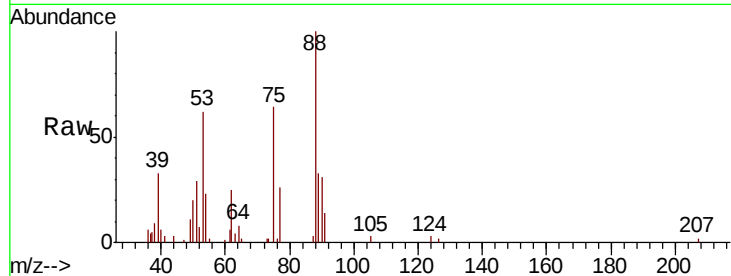
#81
trans-1,4-Dichloro-2-butene
Concen: 20.751 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.5	75.9	113.9
89	53.8	44.6	67.0

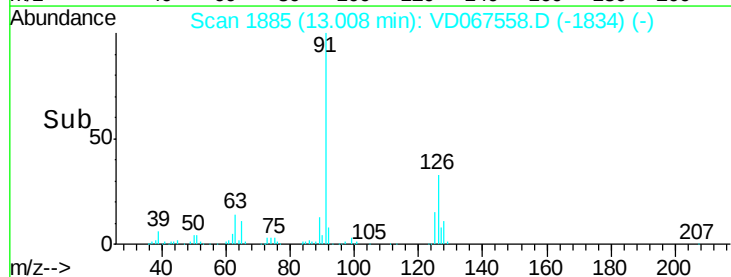
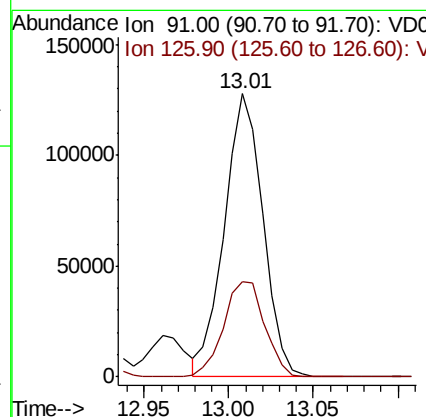
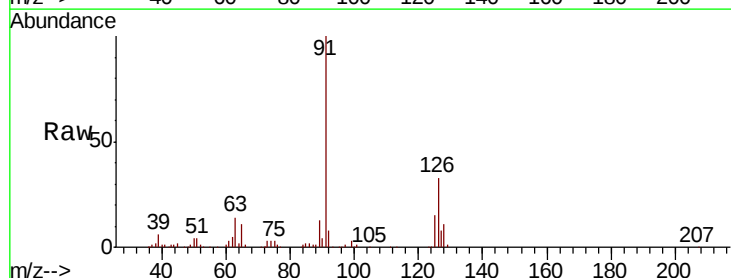
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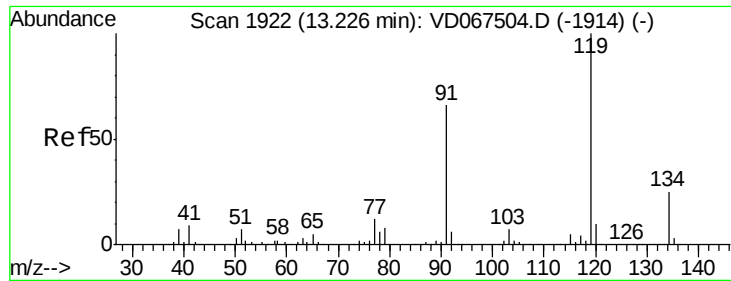
MMDadoda
11/10/2020 1:11:50 PM



#82
4-Chlorotoluene
Concen: 22.985 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.9	53.7





#83

tert-Butylbenzene

Concen: 22.275 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

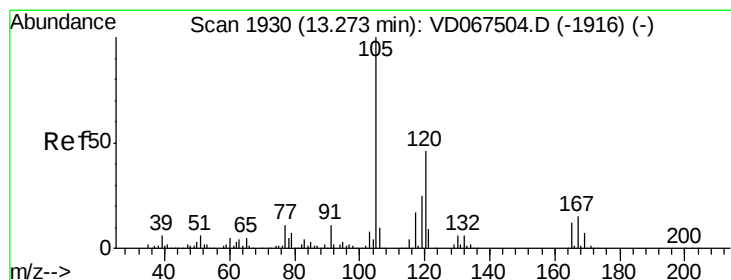
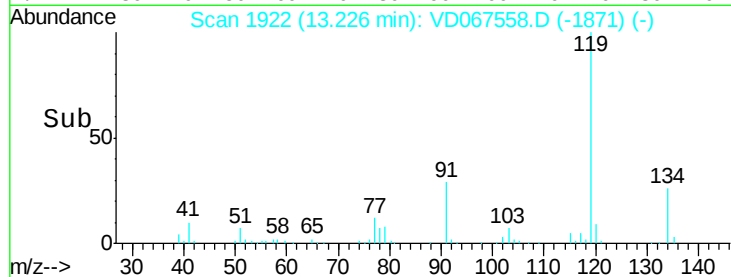
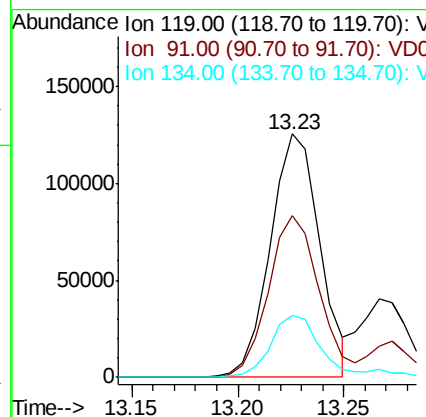
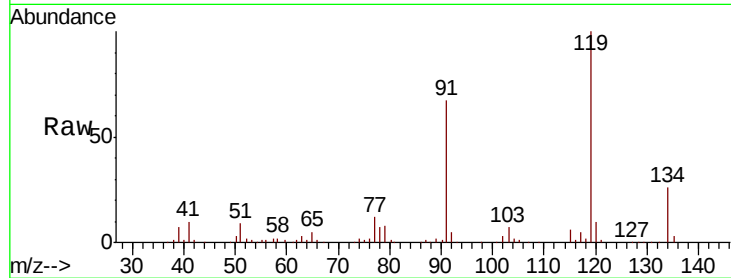
ClientSampleId :

VD1109SBS01

Tot Ion:	119	Resp:	204297
Ion Ratio	Lower	Upper	
119	100		
91	68.3	32.7	98.1
134	27.3	13.4	40.2

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#84

1,2,4-Trimethylbenzene

Concen: 22.945 ug/l

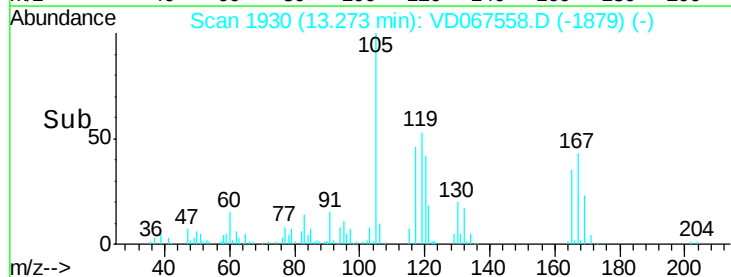
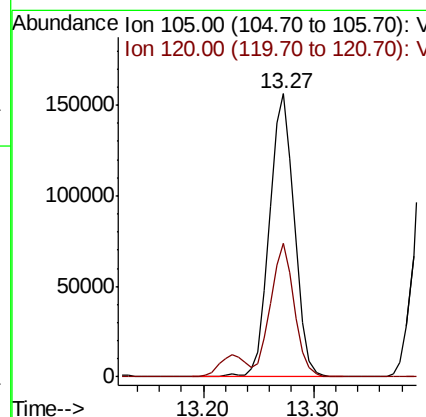
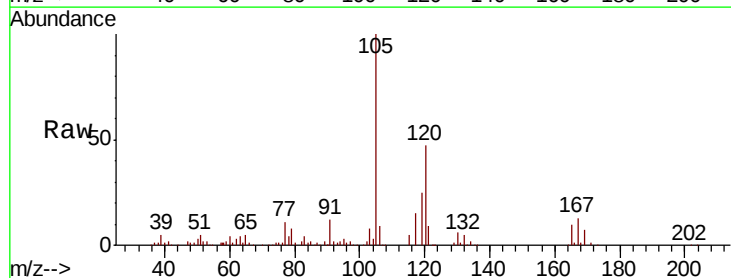
RT: 13.27 min Scan# 1930

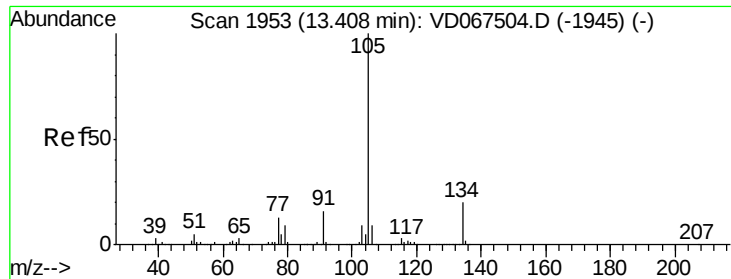
Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion:	105	Resp:	247168
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.1	66.1





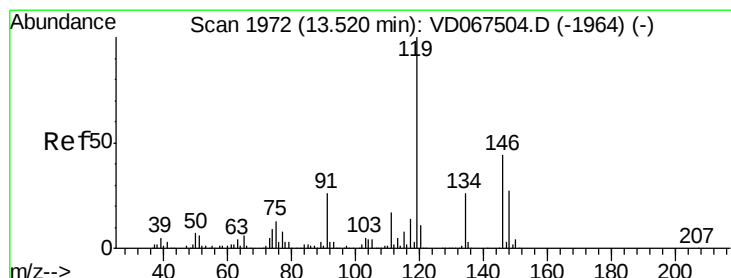
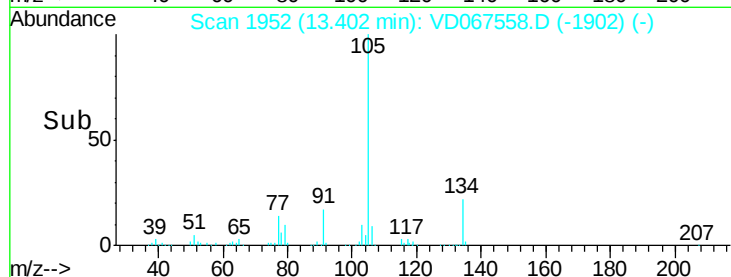
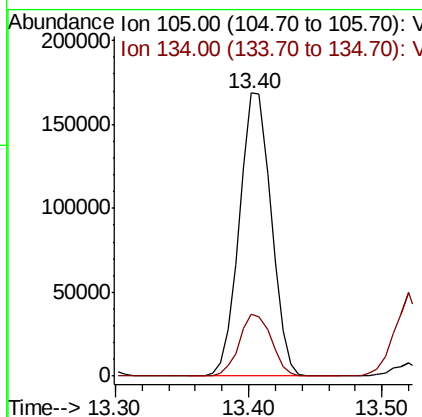
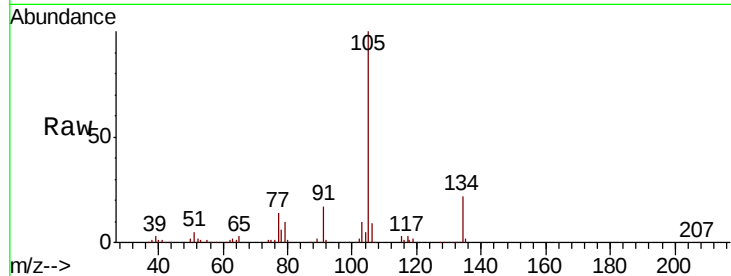
#85
 sec-Butylbenzene
 Concen: 22.515 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	278757		
134	22.0	10.4	31.4	

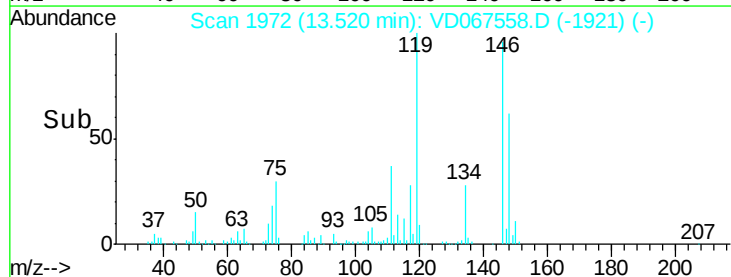
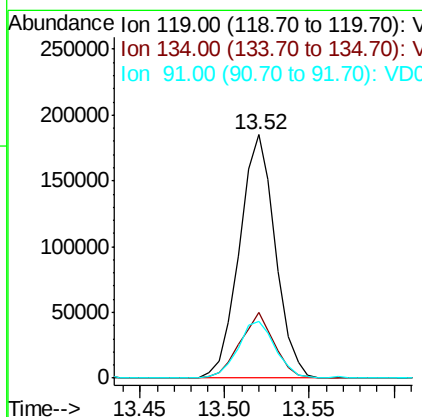
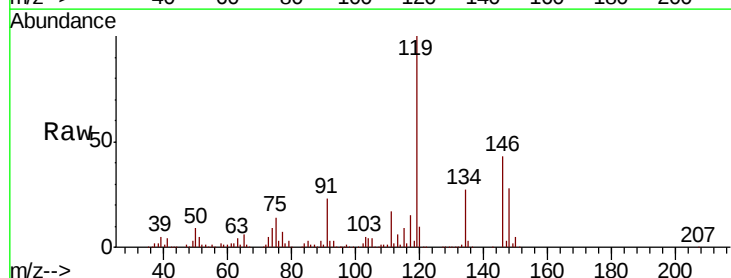
Manual Integrations
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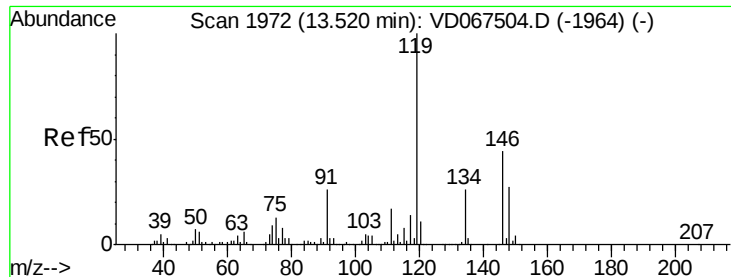
MMDadoda
 11/10/2020 1:11:50 PM



#86
 p-Isopropyltoluene
 Concen: 22.899 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	273783		
134	25.7	13.1	39.3	
91	24.0	12.2	36.4	





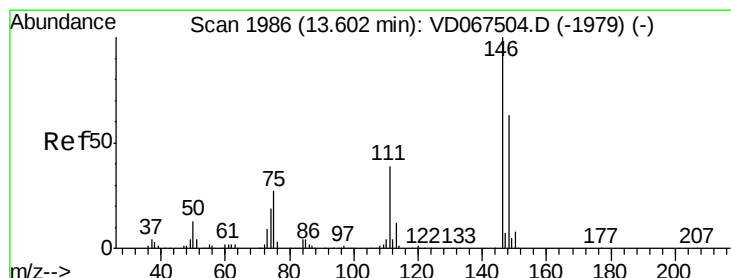
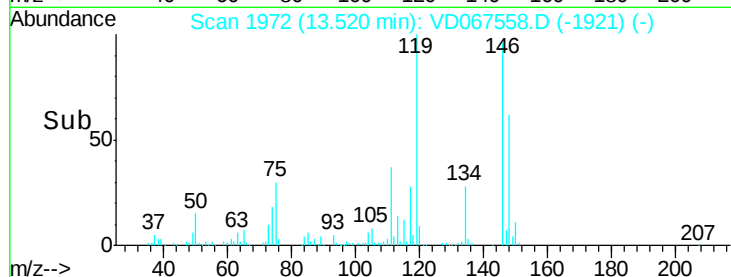
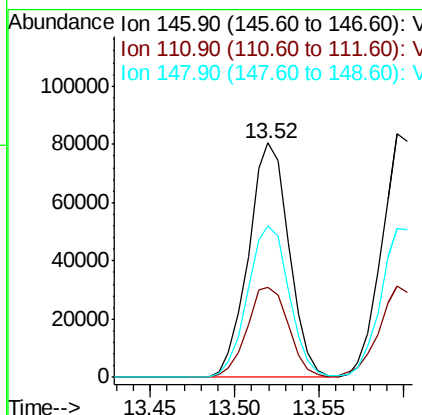
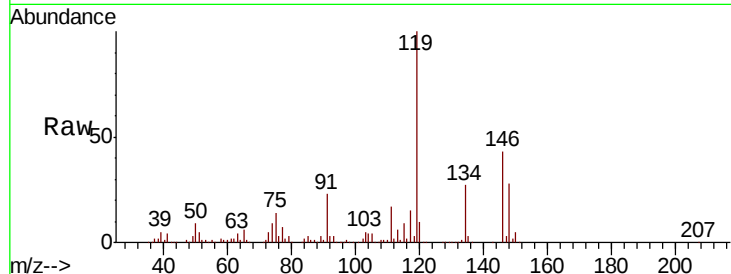
#87
 1,3-Dichlorobenzene
 Concen: 22.657 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	66.0	31.9	95.9

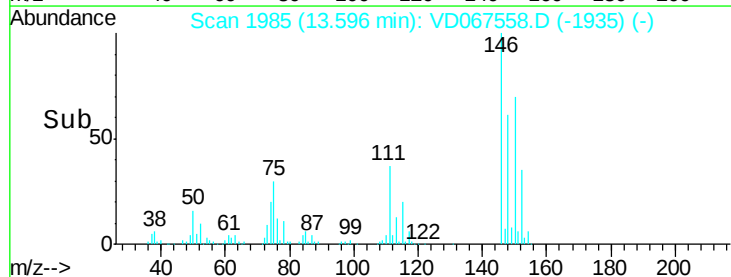
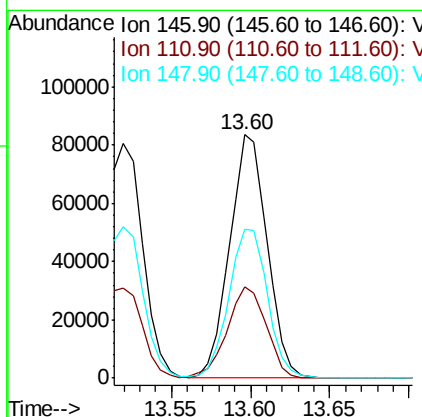
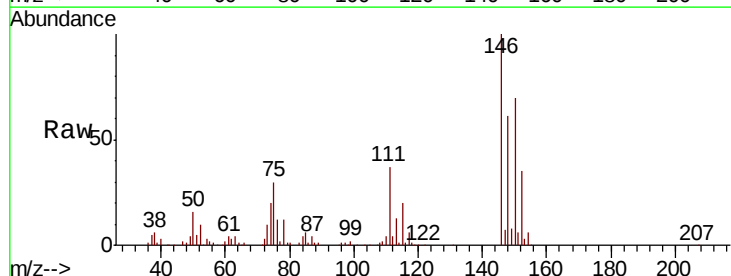
Manual Integrations
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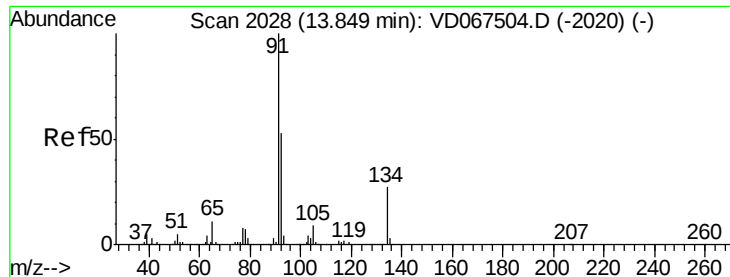
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 11/10/2020 1:11:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.780 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	63.2	31.8	95.4





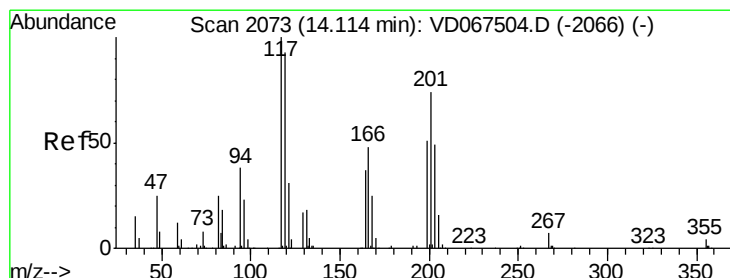
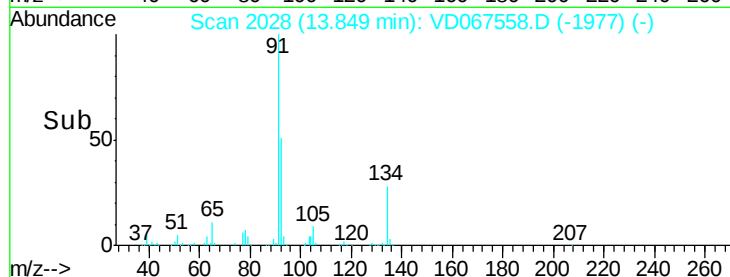
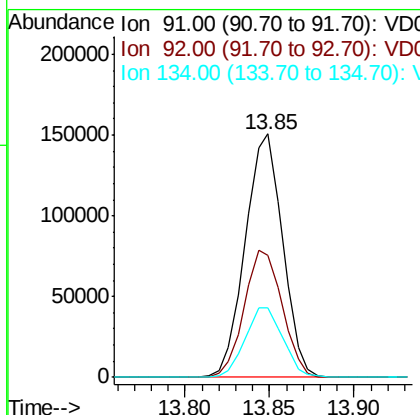
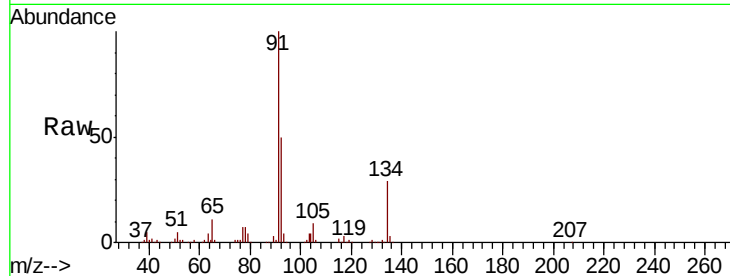
#89
n-Butylbenzene
Concen: 22.490 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.8
134	29.1	14.1	42.2

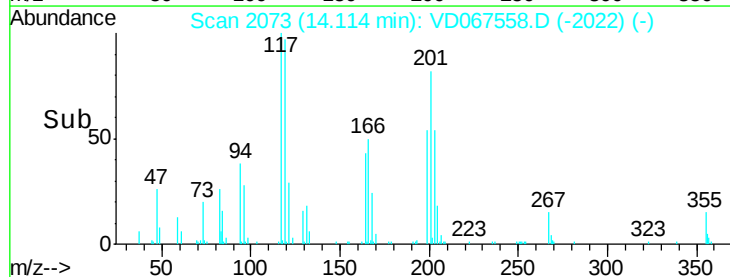
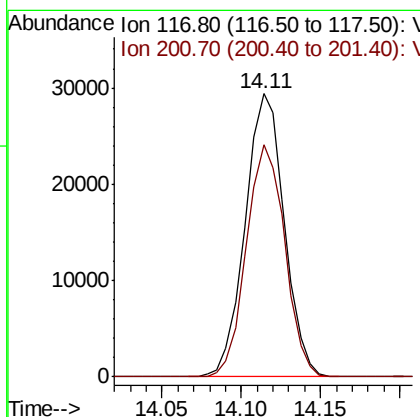
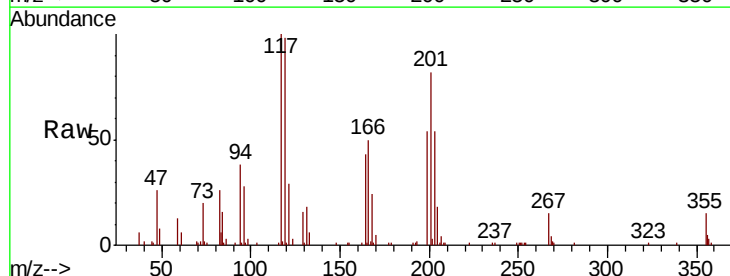
Manual Integrations
APPROVED

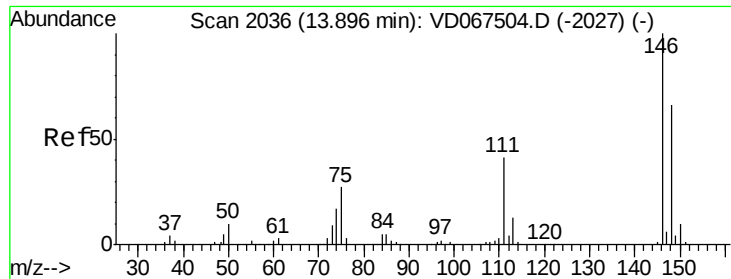
MMDadoda
11/10/2020 1:11:50 PM



#90
Hexachloroethane
Concen: 22.357 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	40.7	122.1





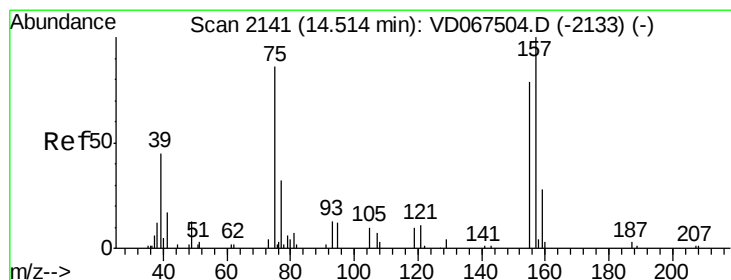
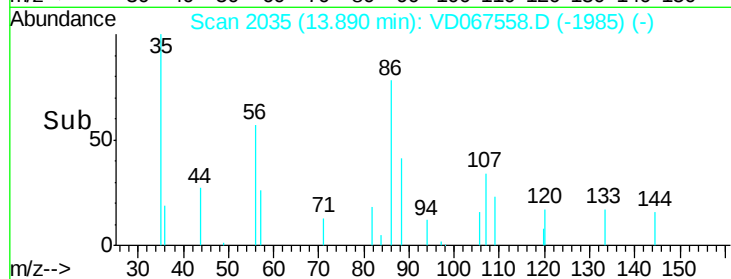
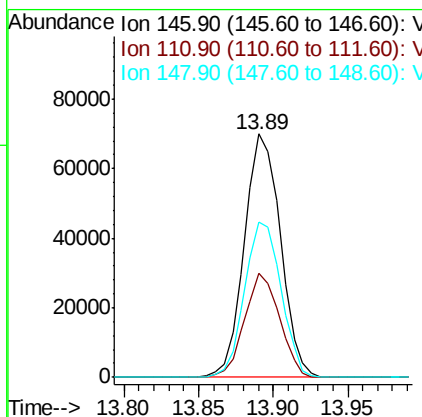
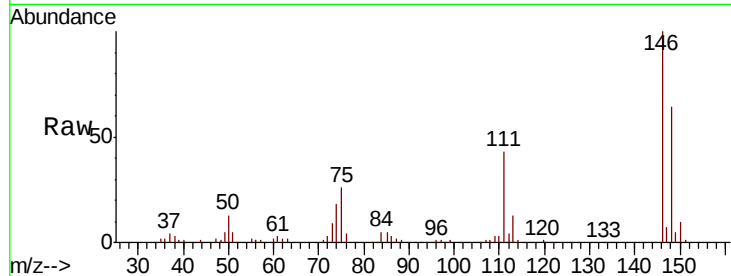
#91
 1,2-Dichlorobenzene
 Concen: 22.755 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	64.6	31.5	94.5

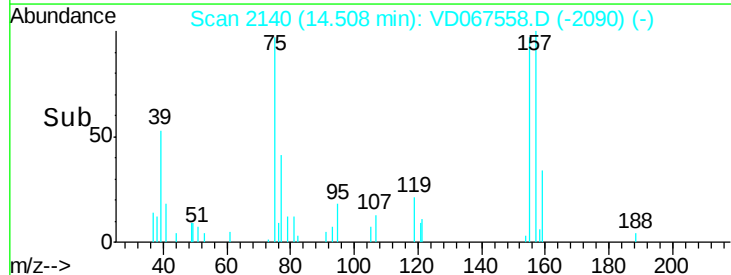
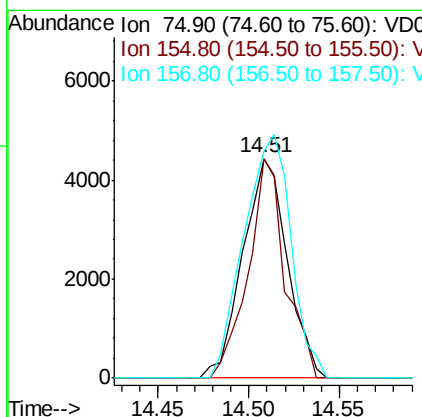
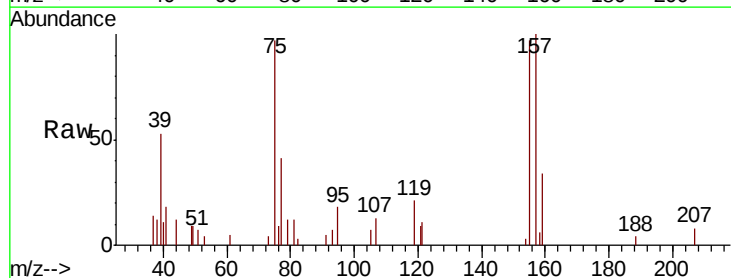
Manual Integrations
 APPROVED

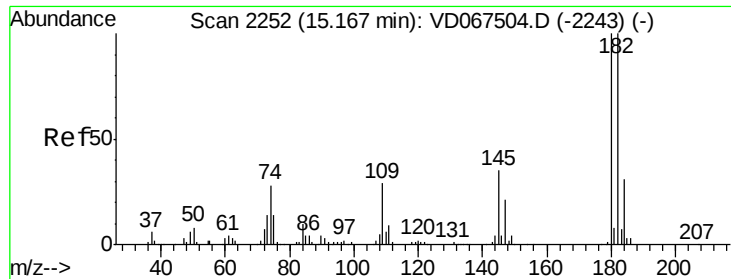
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.629 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	46.6	139.8
157	118.0	58.1	174.2





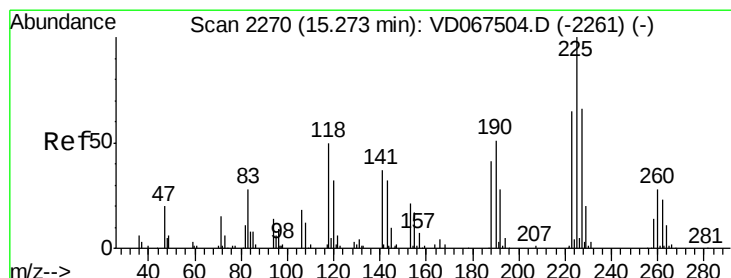
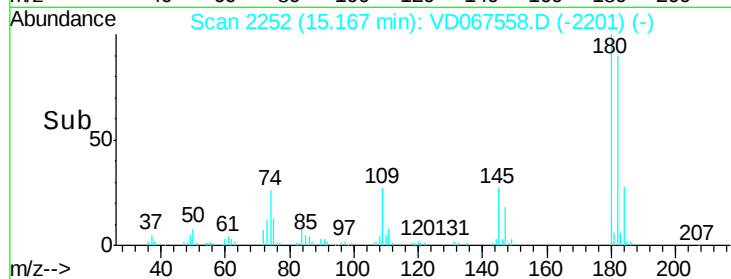
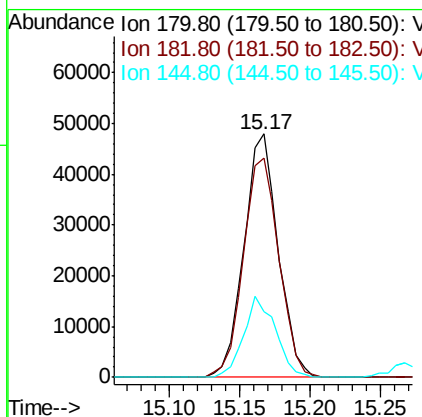
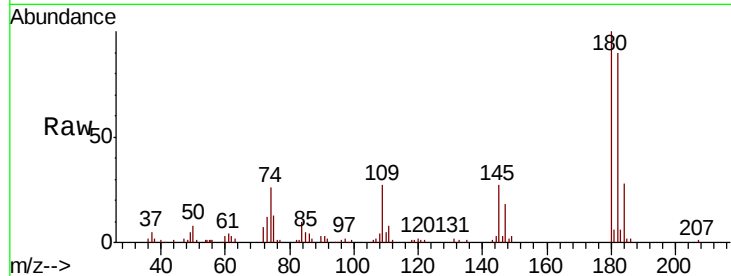
#93
1,2,4-Trichlorobenzene
Concen: 23.352 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.4	142.3
145	31.0	16.2	48.6

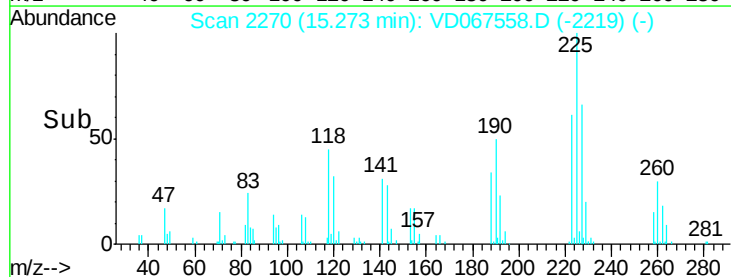
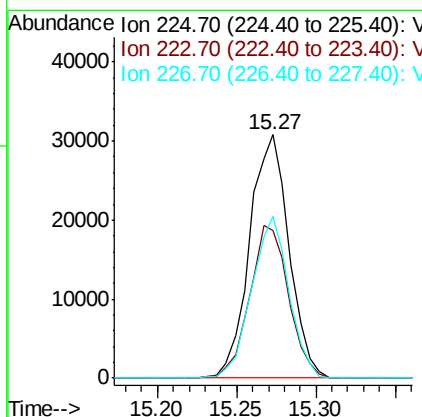
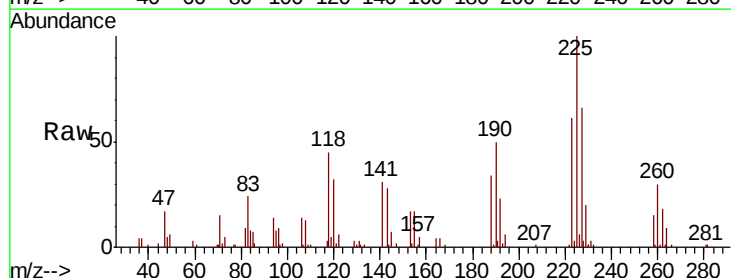
Manual Integrations
APPROVED

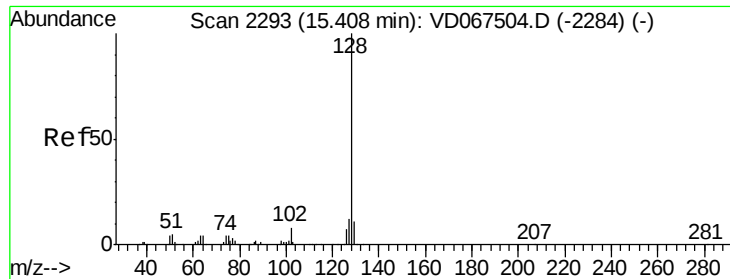
MMDadoda
11/10/2020 1:11:50 PM



#94
Hexachlorobutadiene
Concen: 22.741 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.5
227	63.2	32.5	97.4





#95

Naphthalene

Concen: 23.112 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

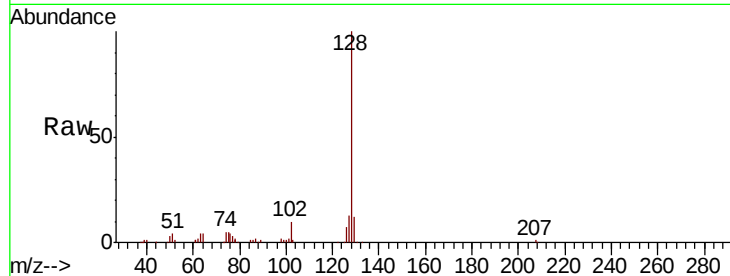
ClientSampleId :

VD1109SBS01

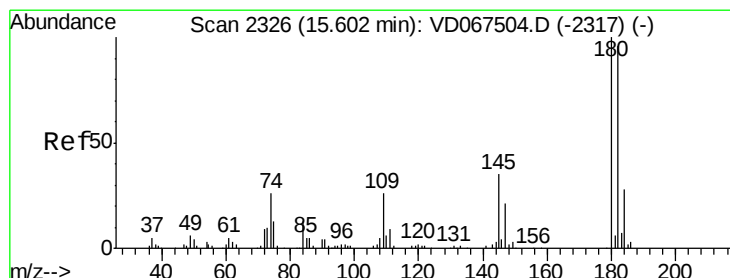
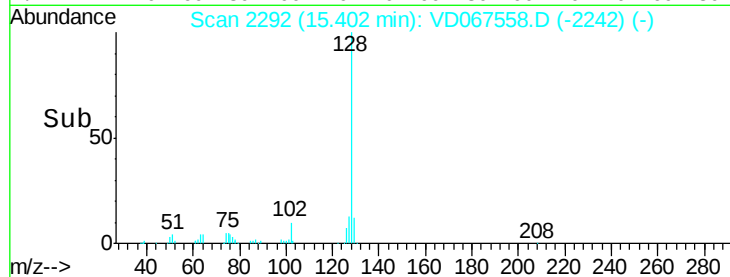
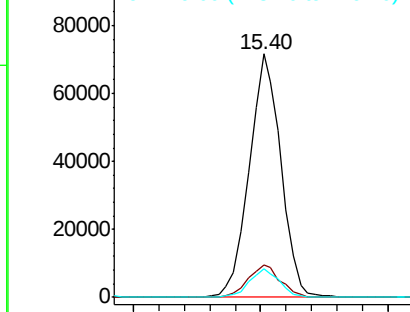
Tot Ion:	128	Resp:	124380
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/10/2020 1:11:50 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.144 ug/l

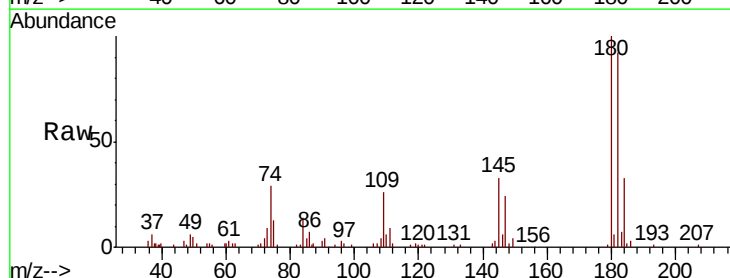
RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion:	180	Resp:	69113
Ion Ratio	Lower	Upper	
180	100		
182	94.3	46.9	140.8
145	33.2	17.1	51.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

