

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067259.D
 Acq On : 13 Oct 2020 18:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.01ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:30 PM

Quant Time: Oct 14 03:16:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	339011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	516533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	479625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	163282	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.92	113	167553	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.34	98	618053	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.64	95	217039	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	132416	48.532	ug/l	94
3) Chloromethane	2.20	50	96824	45.381	ug/l	96
4) Vinyl Chloride	2.35	62	108138	46.194	ug/l	96
5) Bromomethane	2.77	94	84921	52.235	ug/l	95
6) Chloroethane	2.93	64	68818	47.203	ug/l	91
7) Trichlorofluoromethane	3.27	101	266063	45.135	ug/l	98
8) Diethyl Ether	3.71	74	62950	46.668	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	144878	46.259	ug/l	98
10) Methyl Iodide	4.30	142	143194	49.565	ug/l	99
11) Tert butyl alcohol	5.22	59	38513	210.990	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	131065	46.844	ug/l	93
13) Acrolein	3.92	56	49412	243.994	ug/l	98
14) Allyl chloride	4.71	41	152093	47.468	ug/l	98
15) Acrylonitrile	5.43	53	109496	243.279	ug/l	99
16) Acetone	4.16	43	99484	209.148	ug/l	90
17) Carbon Disulfide	4.41	76	366552	45.955	ug/l	97
18) Methyl Acetate	4.71	43	47699	43.965	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	272971	49.065	ug/l	96
20) Methylene Chloride	4.97	84	149491	48.972	ug/l #	87
21) trans-1,2-Dichloroethene	5.47	96	152374	47.324	ug/l	99
22) Diisopropyl ether	6.37	45	291100	49.734	ug/l	92
23) Vinyl Acetate	6.31	43	864182	259.514	ug/l	99
24) 1,1-Dichloroethane	6.27	63	238281	47.557	ug/l	98
25) 2-Butanone	7.21	43	125352	231.188	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	232665	45.052	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	170968	48.449	ug/l	99
28) Bromochloromethane	7.55	49	86149	50.409	ug/l #	99
29) Tetrahydrofuran	7.56	42	74053	245.695	ug/l	96
30) Chloroform	7.71	83	290957	48.611	ug/l	90
31) Cyclohexane	7.98	56	174231	44.539	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	277099	47.184	ug/l	97
36) 1,1-Dichloropropene	8.11	75	206184	47.096	ug/l	98
37) Ethyl Acetate	7.30	43	62272	48.345	ug/l #	84
38) Carbon Tetrachloride	8.10	117	264652	47.298	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	219787	48.022	ug/l	98
40) Benzene	8.35	78	578811	48.192	ug/l	99
41) Methacrylonitrile	7.53	41	34300	49.278	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	177996	47.356	ug/l	99
43) Isopropyl Acetate	8.46	43	123935	48.490	ug/l	99
44) Trichloroethene	9.11	130	187312	48.710	ug/l	99
45) 1,2-Dichloropropane	9.39	63	131411	47.210	ug/l	99
46) Dibromomethane	9.48	93	81794	47.163	ug/l	99
47) Bromodichloromethane	9.67	83	223439	48.088	ug/l	98
48) Methyl methacrylate	9.46	41	57365	46.185	ug/l	98
49) 1,4-Dioxane	9.46	88	16647	991.637	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	307291	241.052	ug/l	100
52) Toluene	10.41	92	402137	49.159	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	199797	48.949	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	232553	48.683	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	113045	47.801	ug/l	99
56) Ethyl methacrylate	10.67	69	123434	50.326	ug/l	99
57) 1,3-Dichloropropane	10.95	76	182996	48.623	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	317682	252.485	ug/l	100
59) 2-Hexanone	10.99	43	214891	246.688	ug/l	98
60) Dibromochloromethane	11.14	129	162308	47.061	ug/l	96
61) 1,2-Dibromoethane	11.25	107	110710	47.485	ug/l	97
64) Tetrachloroethene	10.88	164	159689	45.953	ug/l	97
65) Chlorobenzene	11.67	112	445125	48.397	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	179459	49.094	ug/l	100
67) Ethyl Benzene	11.75	91	778966	49.408	ug/l	100
68) m/p-Xylenes	11.86	106	611603	100.738	ug/l	96
69) o-Xylene	12.18	106	276036	49.099	ug/l	96
70) Styrene	12.20	104	473672	48.944	ug/l	97
71) Bromoform	12.37	173	93594	47.660	ug/l #	100
73) Isopropylbenzene	12.48	105	776019	51.204	ug/l	100
74) N-amyl acetate	12.29	43	114927	50.209	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	111356	47.954	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	70617m	42.667	ug/l	
77) Bromobenzene	12.77	156	185971	49.220	ug/l	99
78) n-propylbenzene	12.83	91	888013	50.572	ug/l	100
79) 2-Chlorotoluene	12.91	91	505321	49.624	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	670599	50.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	35275	48.332	ug/l	97
82) 4-Chlorotoluene	13.01	91	535255	49.525	ug/l	99
83) tert-Butylbenzene	13.23	119	571886	51.406	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	662367	50.886	ug/l	100
85) sec-Butylbenzene	13.41	105	758867	49.713	ug/l	100
86) p-Isopropyltoluene	13.52	119	725624	50.362	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	354477	48.742	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	351812	48.827	ug/l	99
89) n-Butylbenzene	13.85	91	635016	50.098	ug/l	100
90) Hexachloroethane	14.12	117	121951	48.503	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	314645	49.525	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18936	44.886	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	217201	50.706	ug/l	97
94) Hexachlorobutadiene	15.28	225	132302	49.738	ug/l	99
95) Naphthalene	15.41	128	359118	51.064	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	185227	50.054	ug/l	100

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

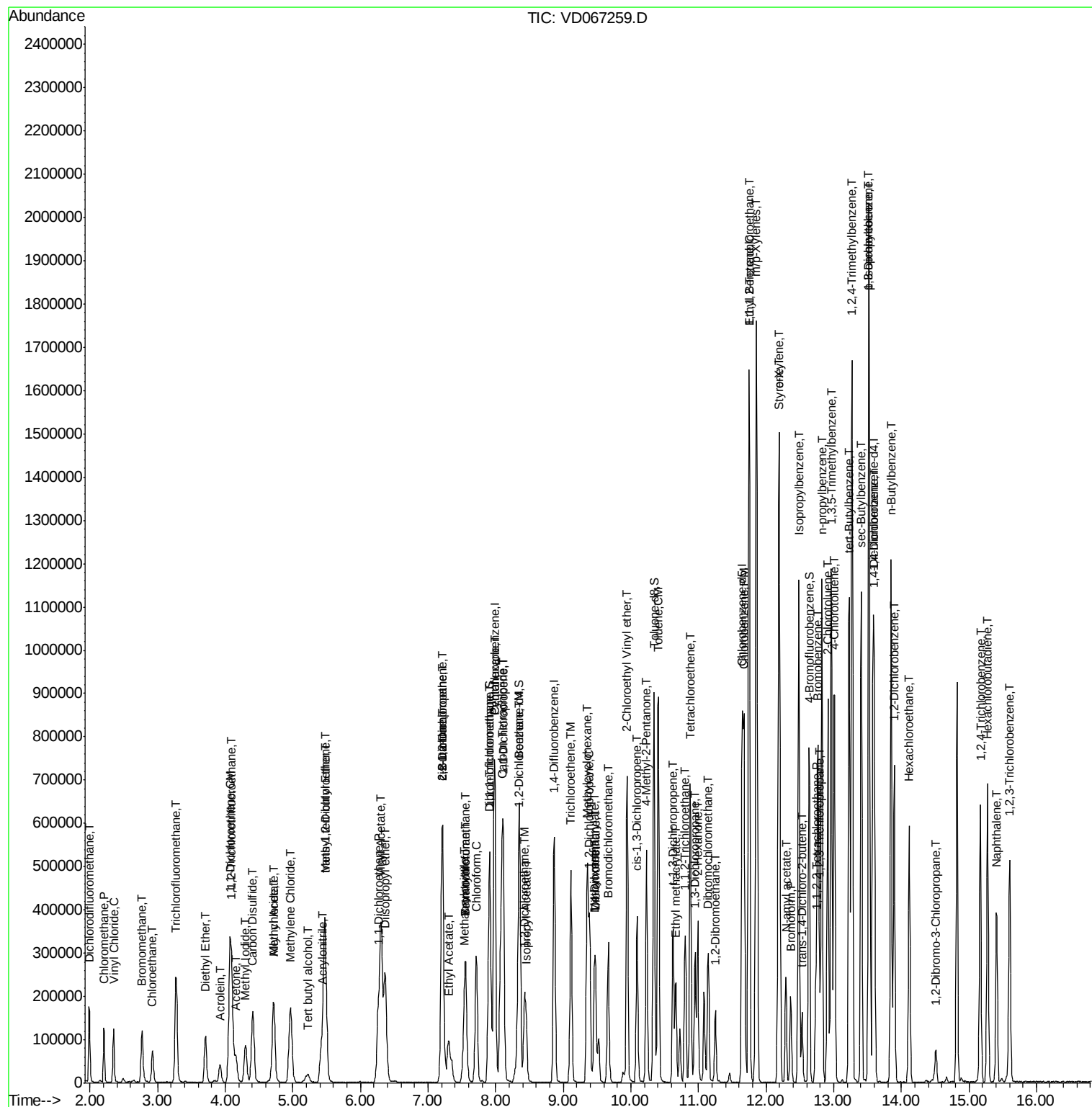
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101320\
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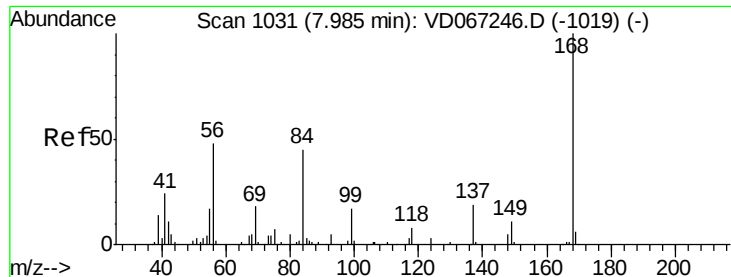
Instrument :
 MSVOA_D
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 339011

Ion Ratio Lower Upper

168 100

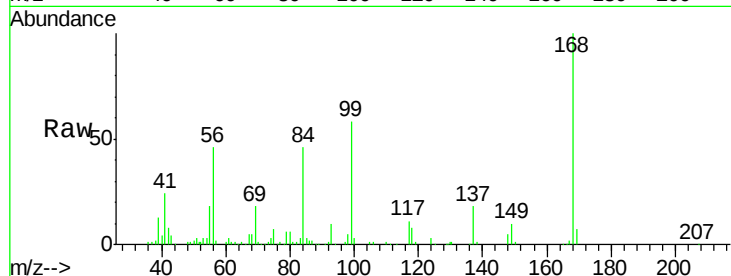
99 57.3 45.9 68.9

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

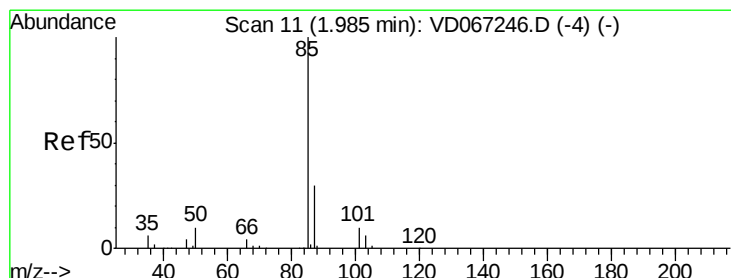
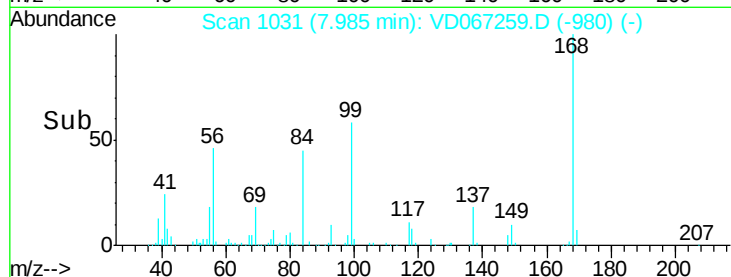
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.532 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067259.D

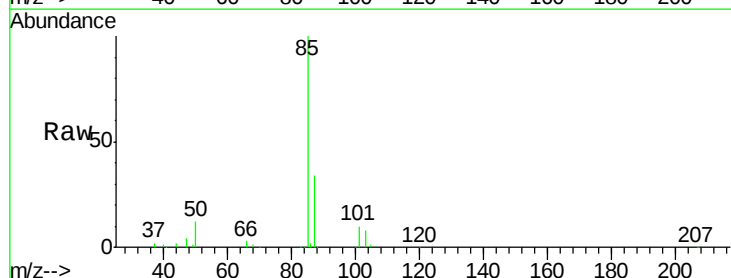
Acq: 13 Oct 2020 18:25

Tgt Ion: 85 Resp: 132416

Ion Ratio Lower Upper

85 100

87 33.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

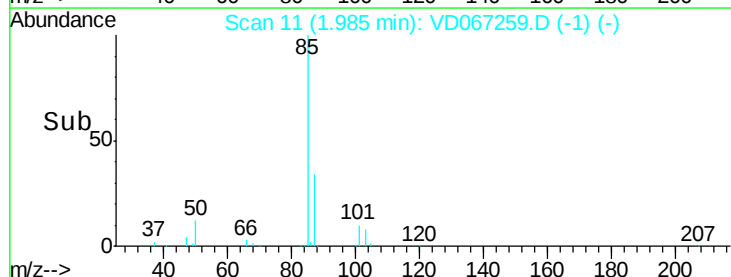
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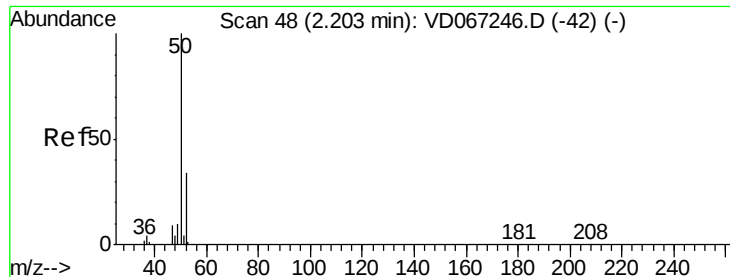
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 45.381 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 96824

Ion Ratio Lower Upper

50 100

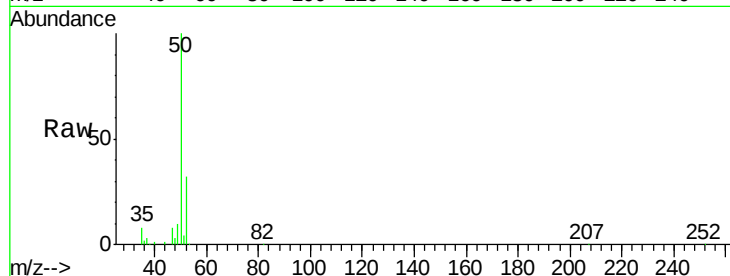
52 31.7 27.1 40.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

80000

60000

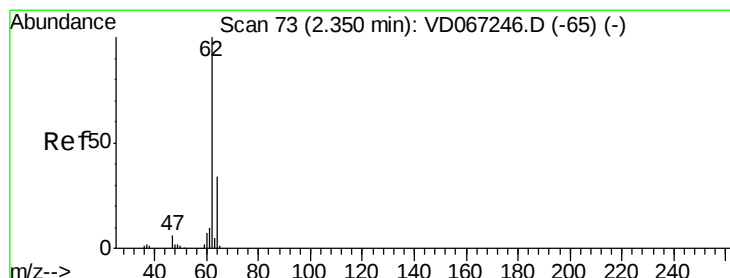
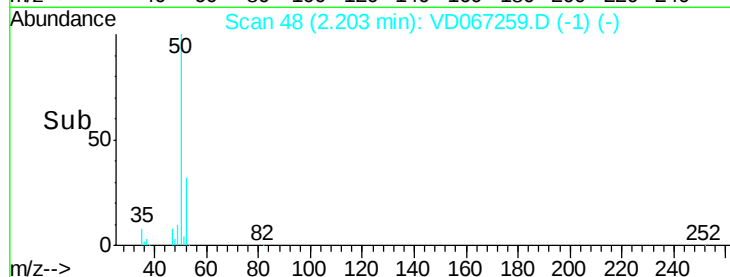
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20000

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Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 46.194 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067259.D

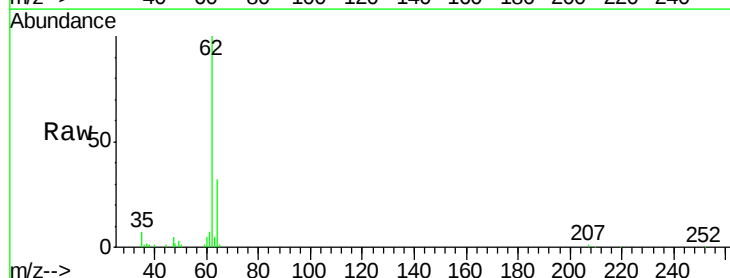
Acq: 13 Oct 2020 18:25

Tgt Ion: 62 Resp: 108138

Ion Ratio Lower Upper

62 100

64 31.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

60000

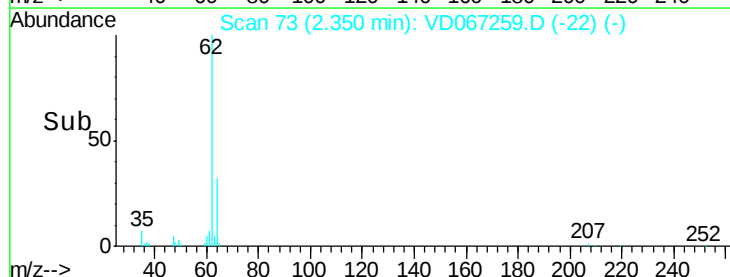
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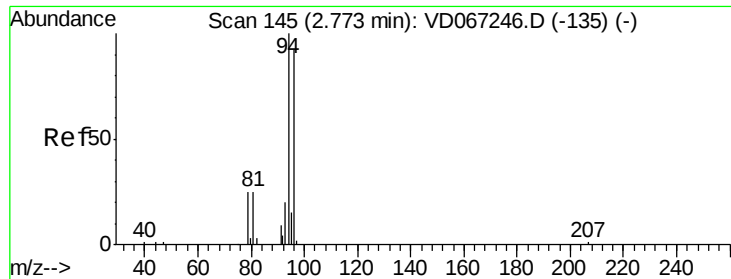
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Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 52.235 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 84921

Ion Ratio Lower Upper

94 100

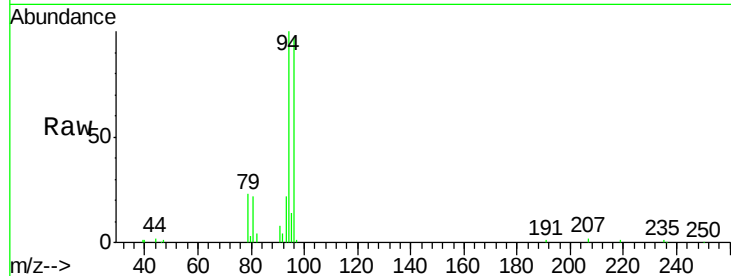
96 96.7 73.8 110.6

Manual Integrations

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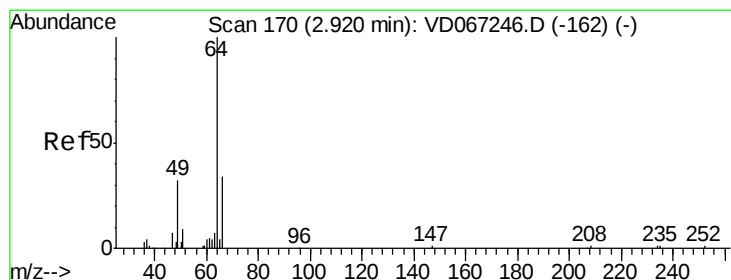
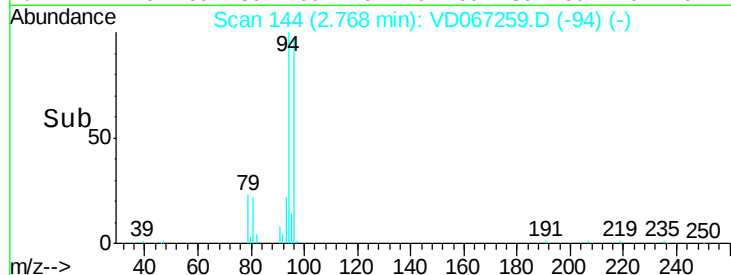
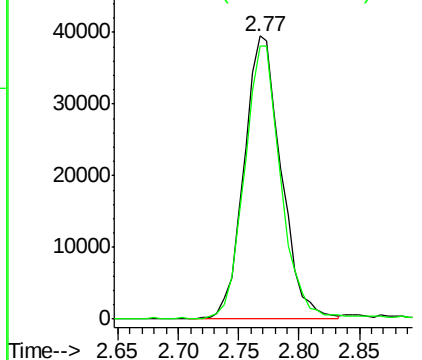
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.203 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067259.D

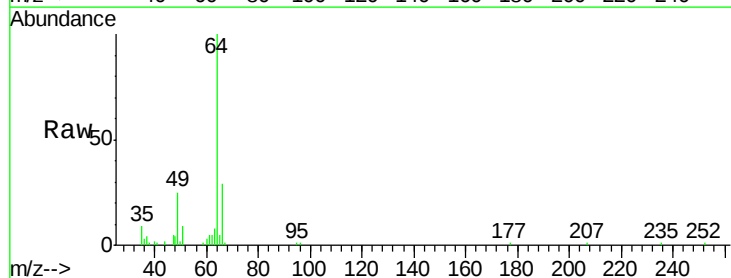
Acq: 13 Oct 2020 18:25

Tgt Ion: 64 Resp: 68818

Ion Ratio Lower Upper

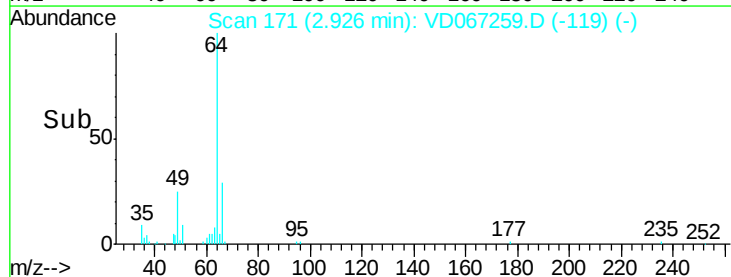
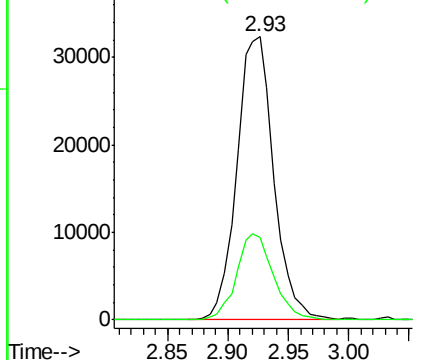
64 100

66 29.1 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

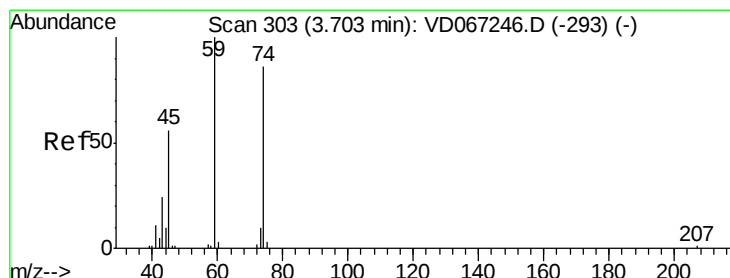
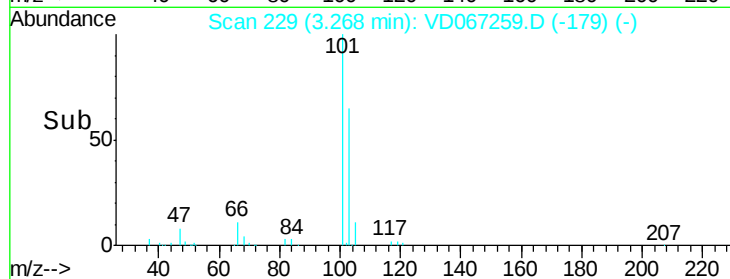
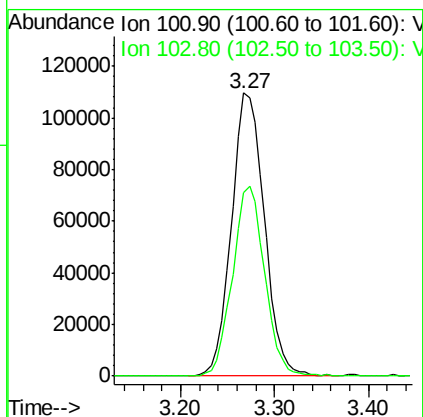
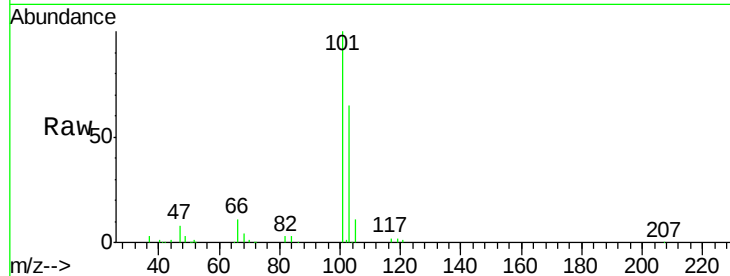
Trichlorofluoromethane
 Concen: 45.135 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067259.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	53.1	79.7

Manual Integrations
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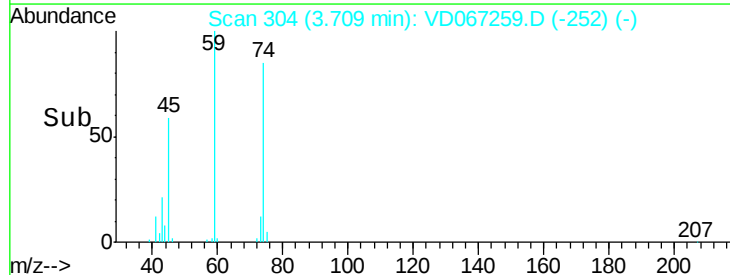
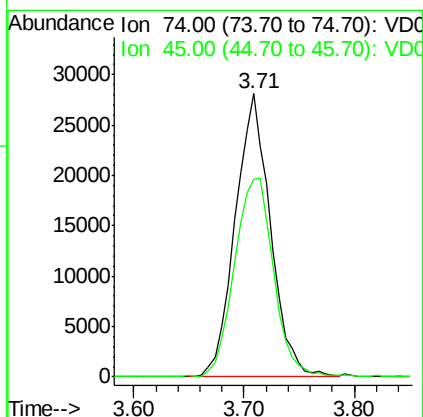
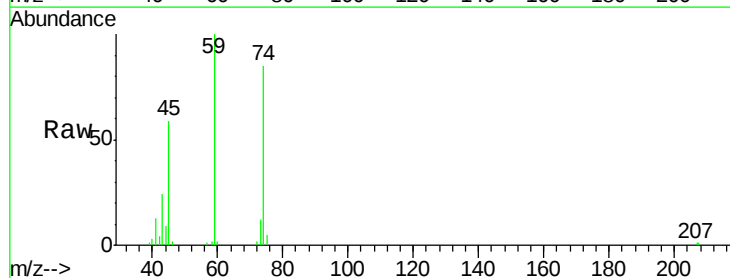
MMDadoda
 10/14/2020 2:10:30 PM

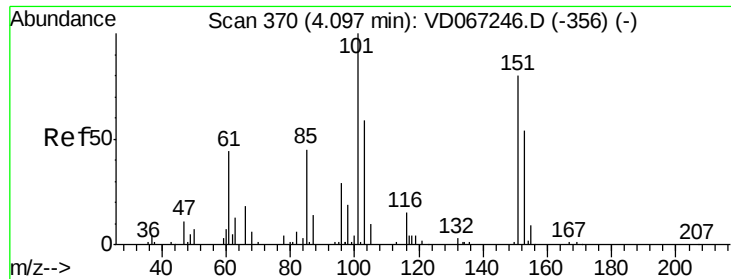


#8

Diethyl Ether
 Concen: 46.668 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.4	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.259 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

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MSVOA_D

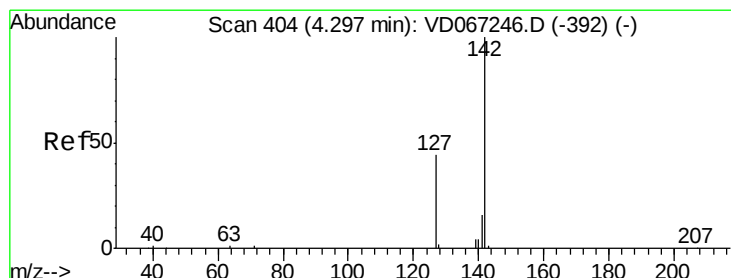
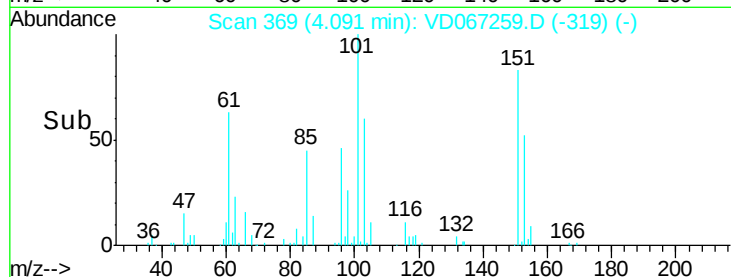
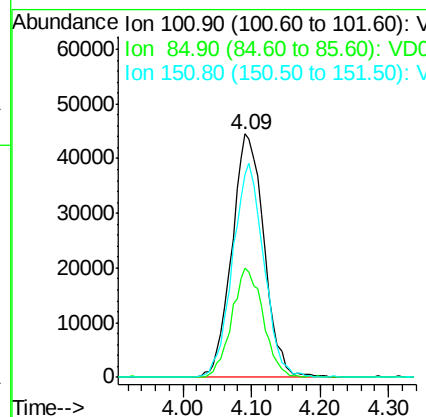
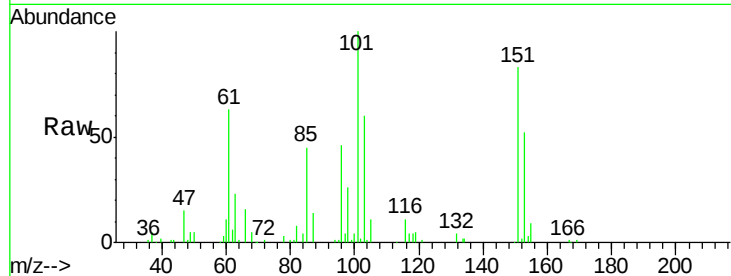
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	144878
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	85.2	66.3	99.5

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#10

Methyl Iodide

Concen: 49.565 ug/l

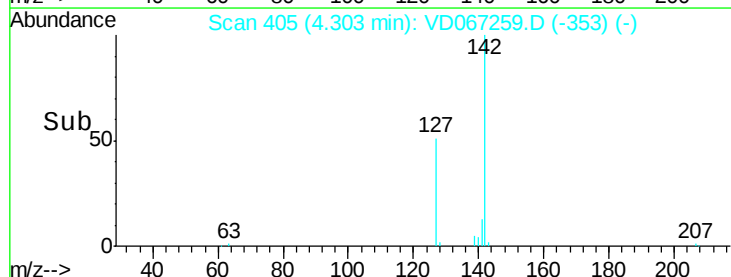
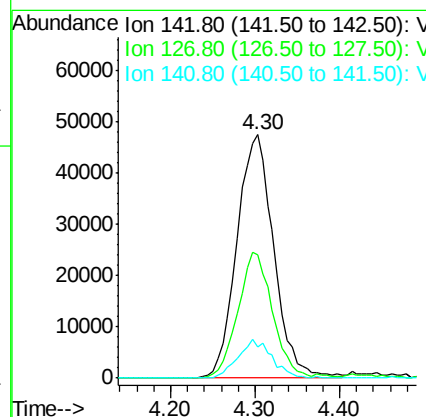
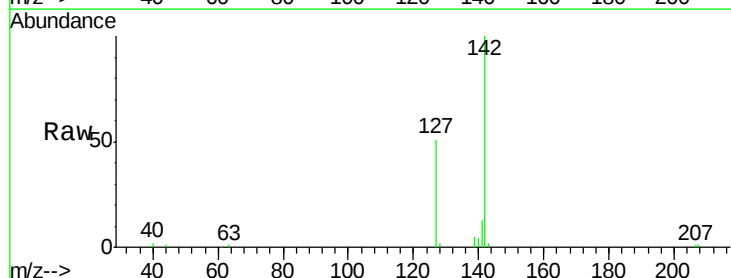
RT: 4.30 min Scan# 405

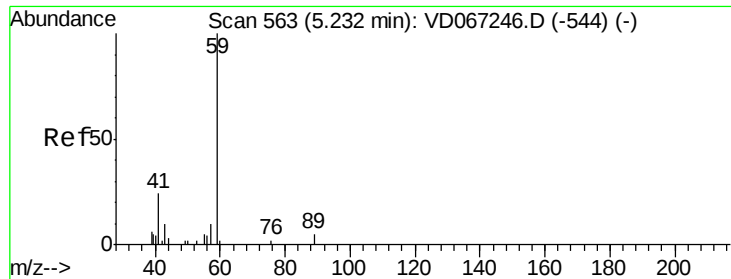
Delta R.T. 0.01 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Tgt Ion:	142	Resp:	143194
Ion Ratio	Lower	Upper	
142	100		
127	48.4	38.4	57.6
141	14.6	11.6	17.4





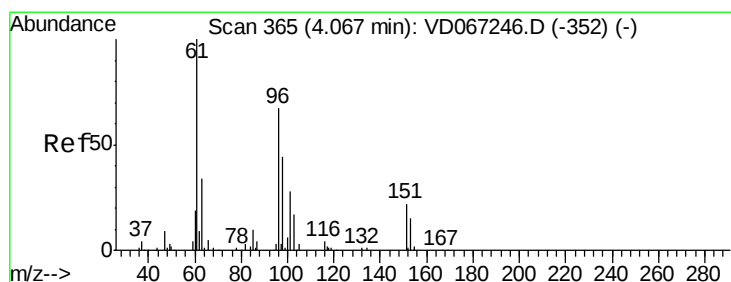
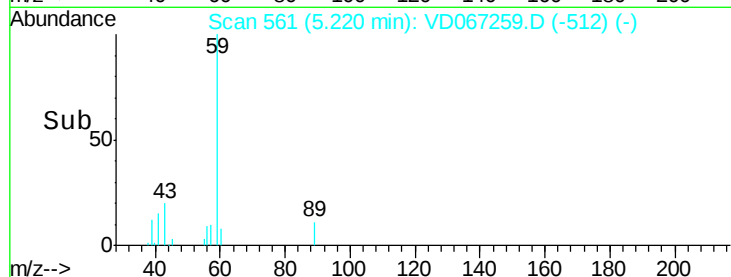
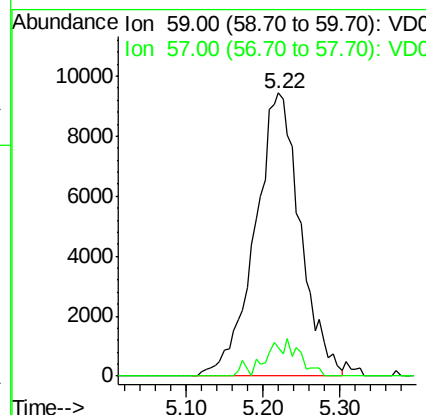
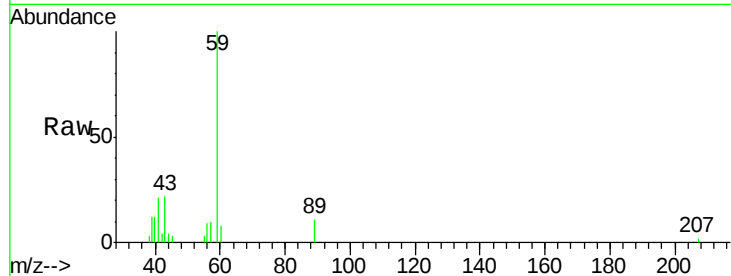
#11
Tert butyl alcohol
Concen: 210.990 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 38513
Ion Ratio Lower Upper
59 100
57 4.6 5.1 7.7#

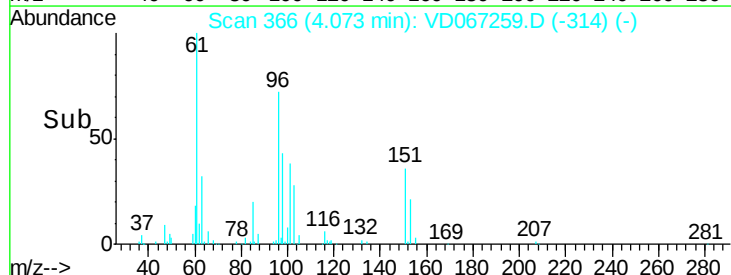
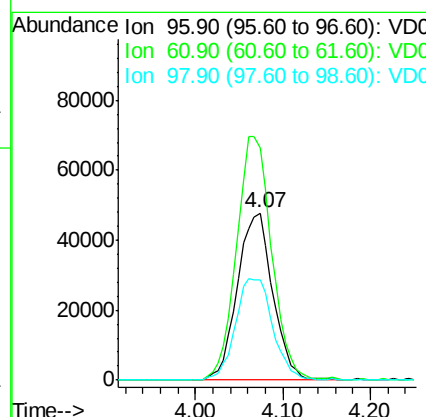
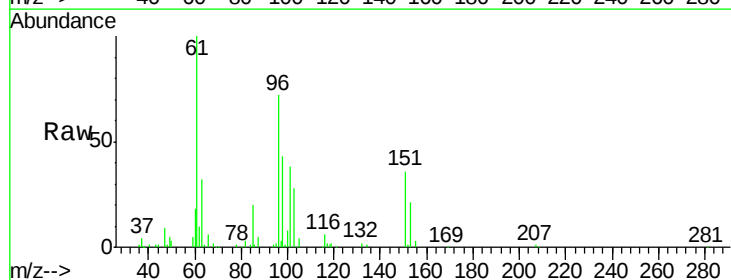
Manual Integrations
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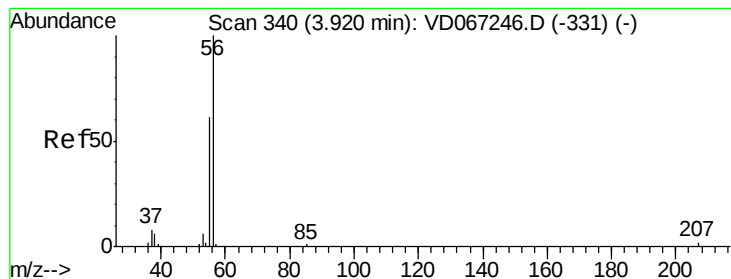
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.844 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion: 96 Resp: 131065
Ion Ratio Lower Upper
96 100
61 138.7 118.6 177.8
98 59.8 51.8 77.6





#13

Acrolein

Concen: 243.994 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 49412

Ion Ratio Lower Upper

56 100

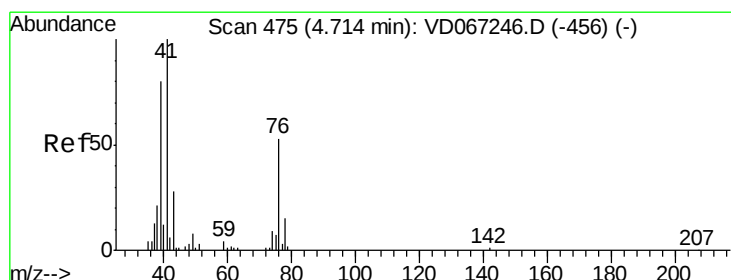
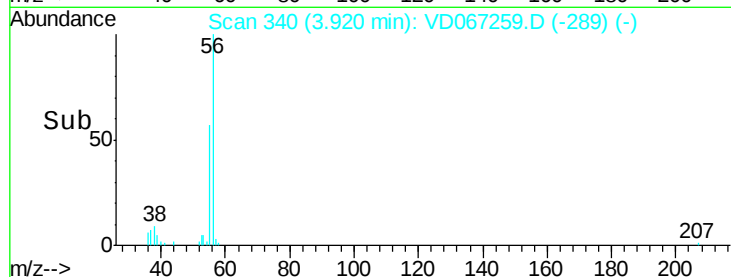
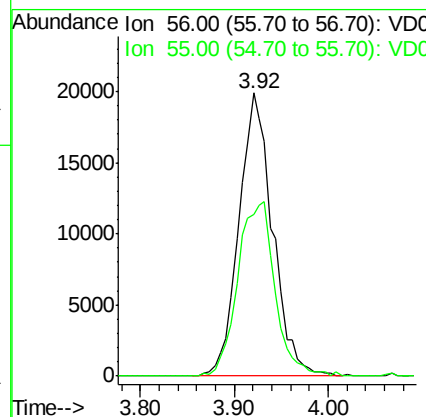
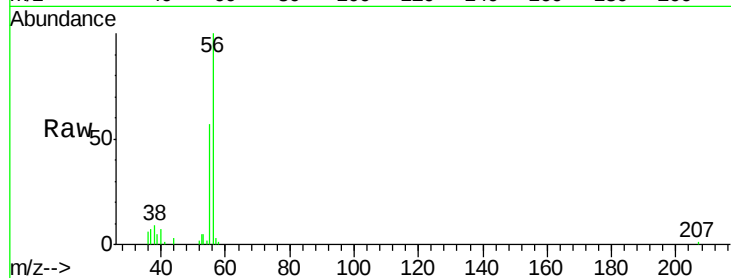
55 68.2 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 47.468 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

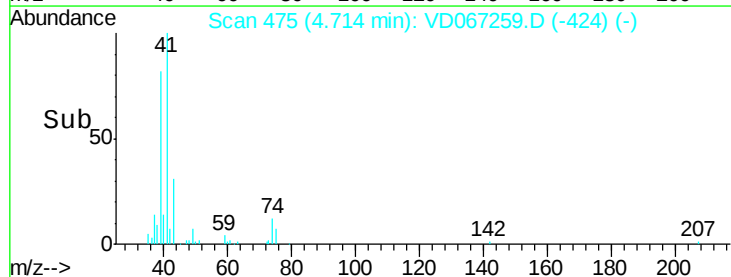
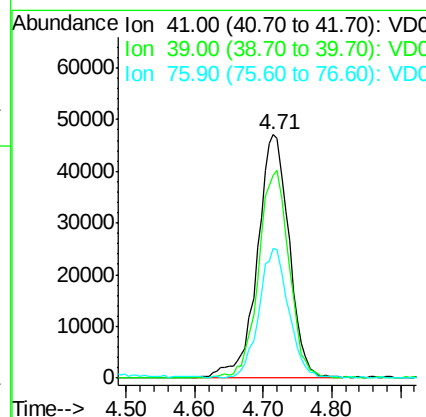
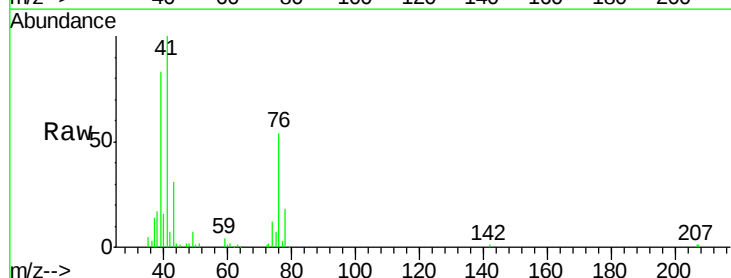
Tgt Ion: 41 Resp: 152093

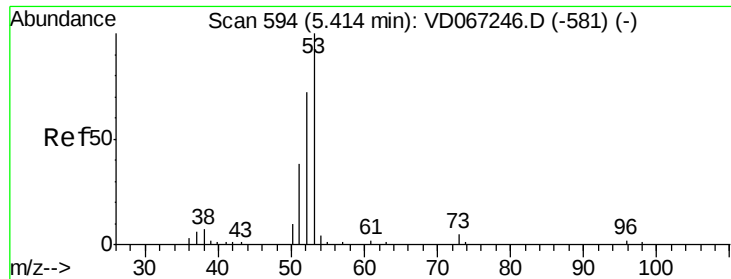
Ion Ratio Lower Upper

41 100

39 82.3 63.8 95.6

76 49.9 40.4 60.6





#15

Acrylonitrile

Concen: 243.279 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

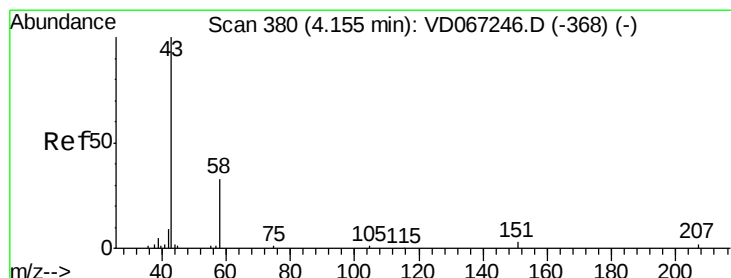
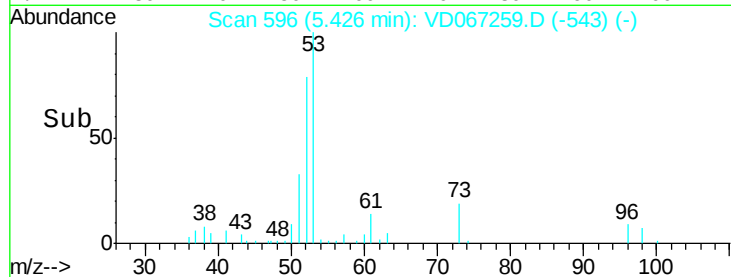
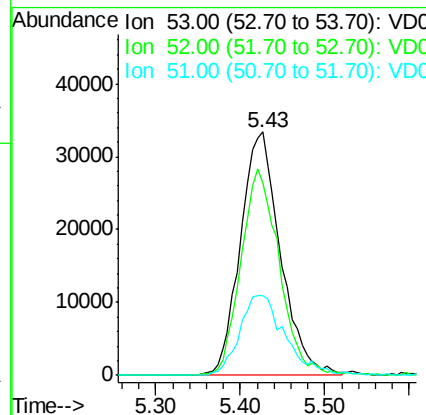
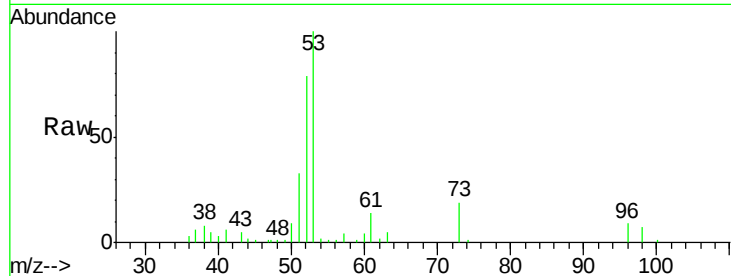
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	109496
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.6	98.4
51	36.9	30.8	46.2

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#16

Acetone

Concen: 209.148 ug/l

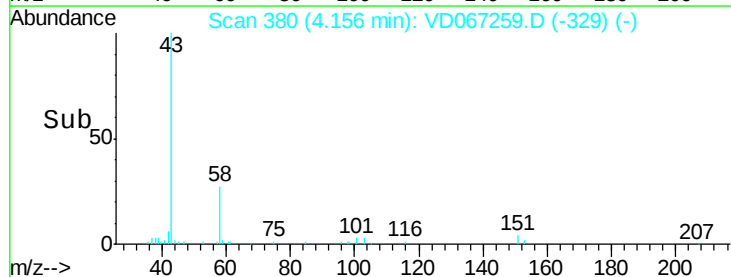
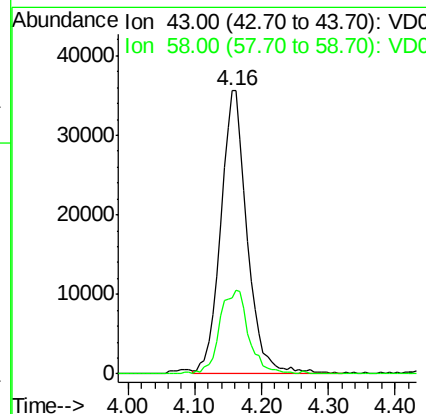
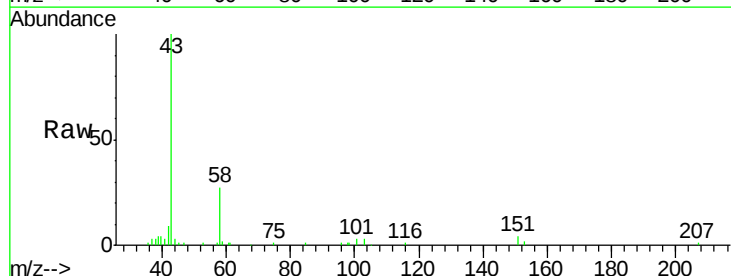
RT: 4.16 min Scan# 380

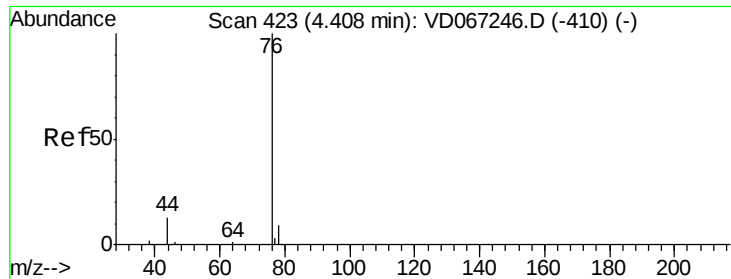
Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Tgt Ion:	43	Resp:	99484
Ion	Ratio	Lower	Upper
43	100		
58	26.8	26.1	39.1





#17

Carbon Disulfide

Concen: 45.955 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 366552

Ion Ratio Lower Upper

76 100

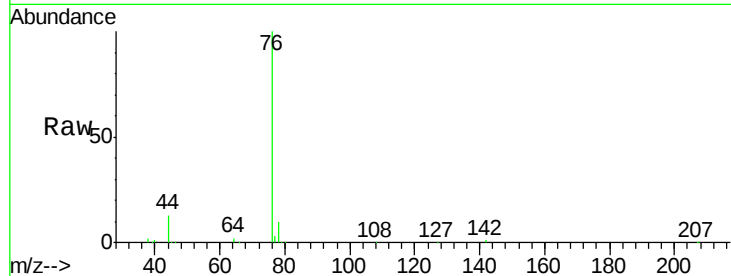
78 10.1 7.4 11.0

Manual Integrations

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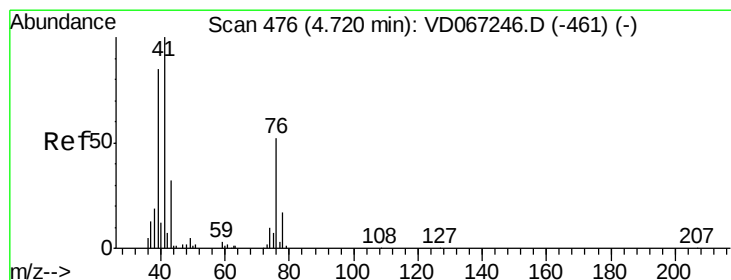
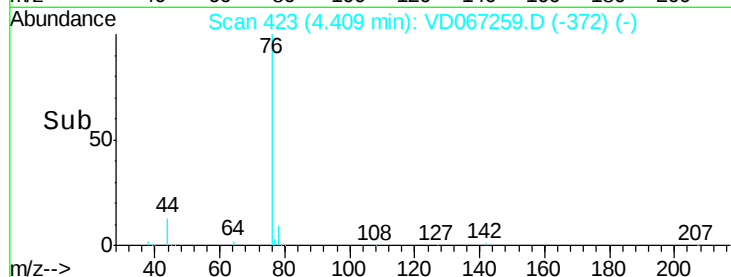
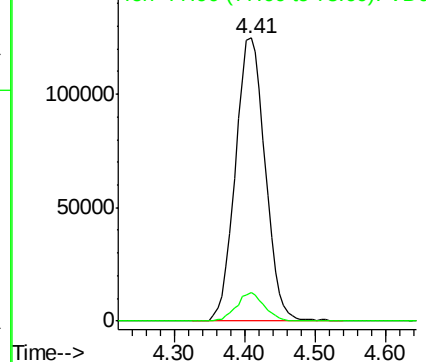
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 43.965 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067259.D

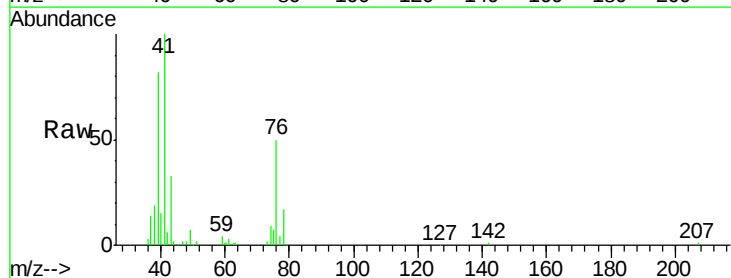
Acq: 13 Oct 2020 18:25

Tgt Ion: 43 Resp: 47699

Ion Ratio Lower Upper

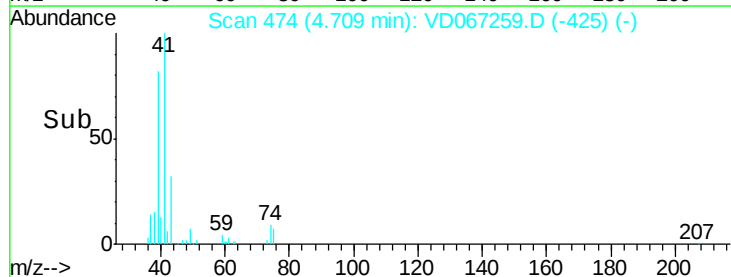
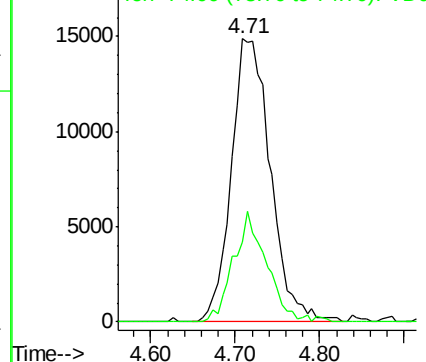
43 100

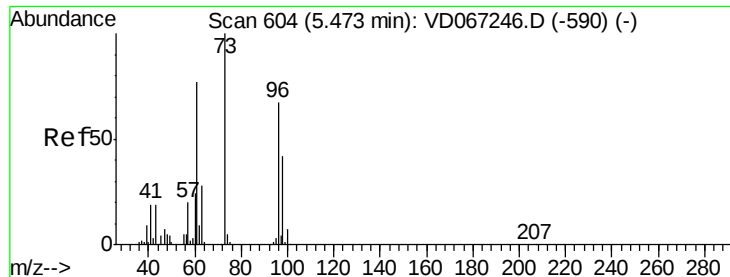
74 32.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





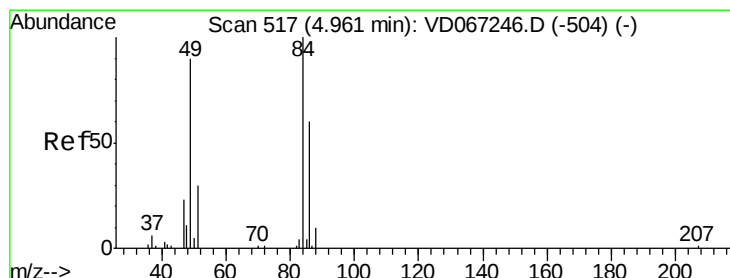
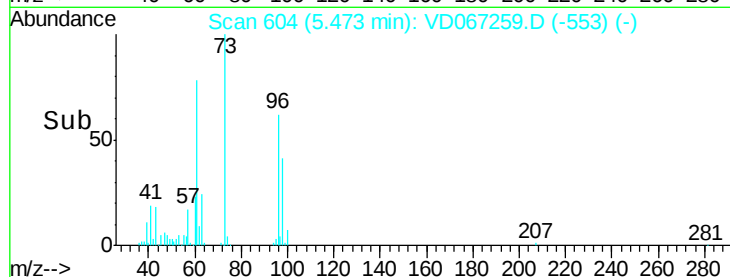
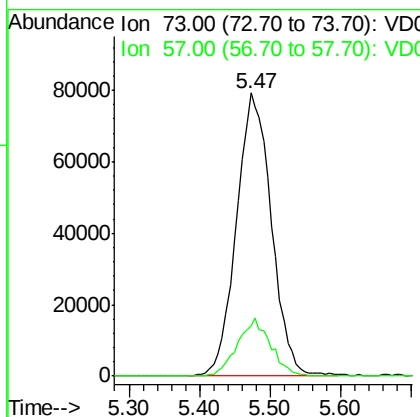
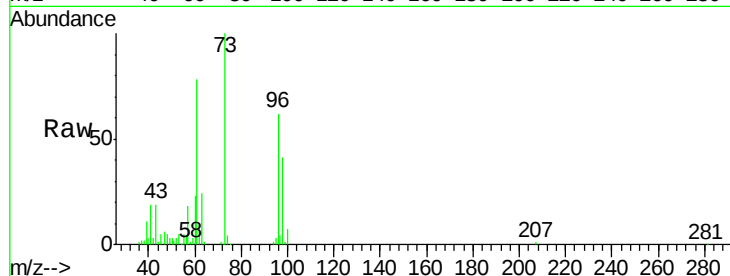
#19
Methyl tert-butyl Ether
Concen: 49.065 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 272971
Ion Ratio Lower Upper
73 100
57 17.7 15.7 23.5

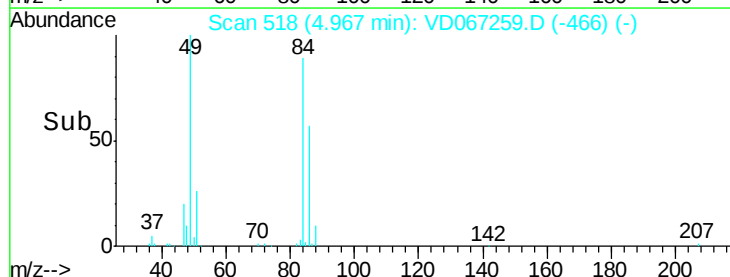
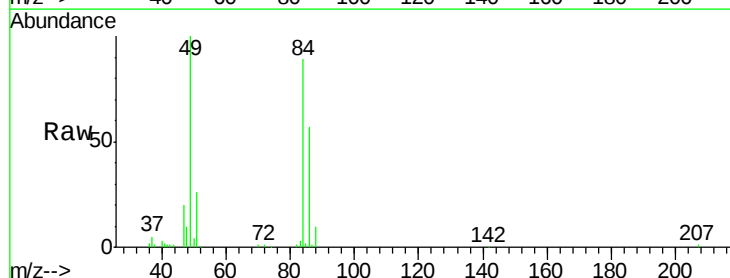
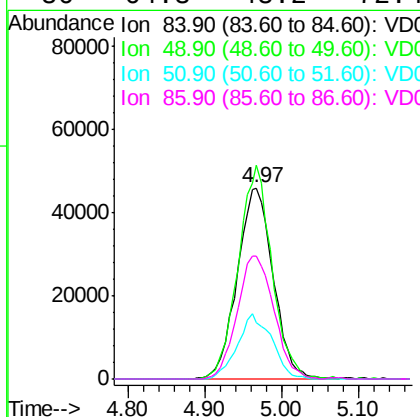
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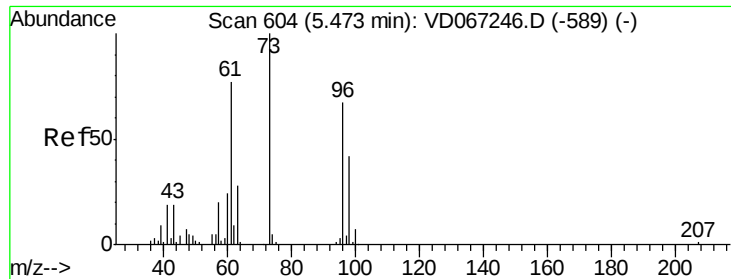
MMDadoda
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#20
Methylene Chloride
Concen: 48.972 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion: 84 Resp: 149491
Ion Ratio Lower Upper
84 100
49 112.0 72.2 108.2#
51 29.5 23.8 35.8
86 64.3 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 47.324 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

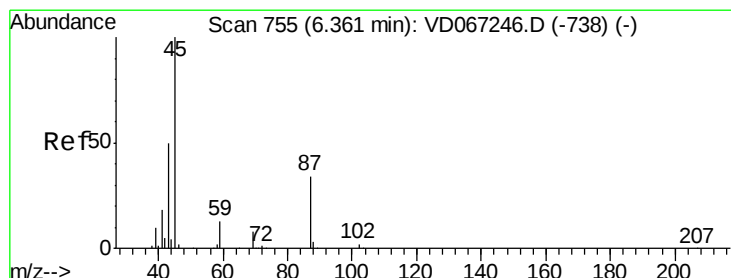
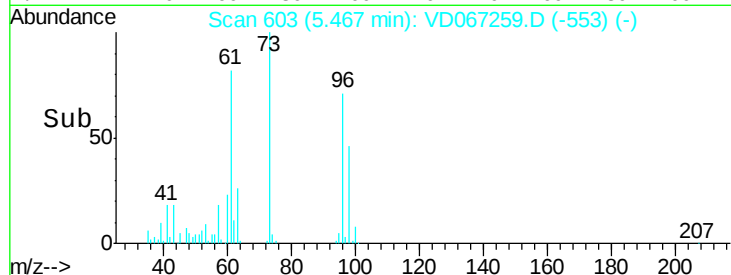
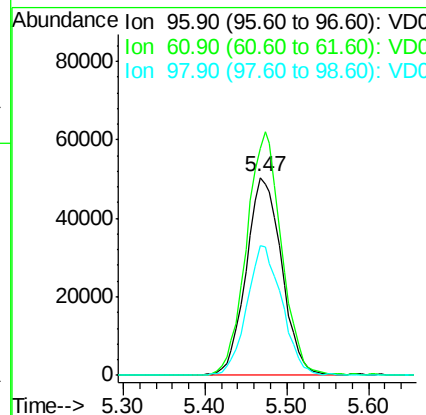
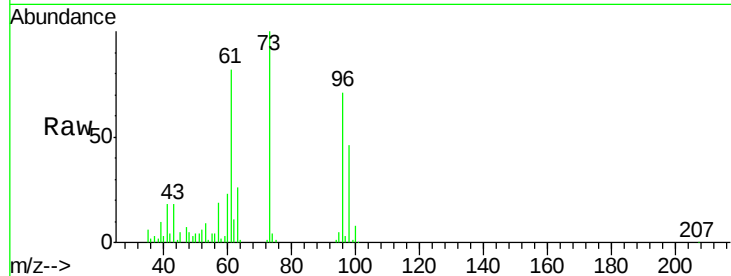
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	152374
Ion	Ratio	Lower	Upper
96	100		
61	114.9	92.0	138.0
98	65.3	49.8	74.8

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#22

Diisopropyl ether

Concen: 49.734 ug/l

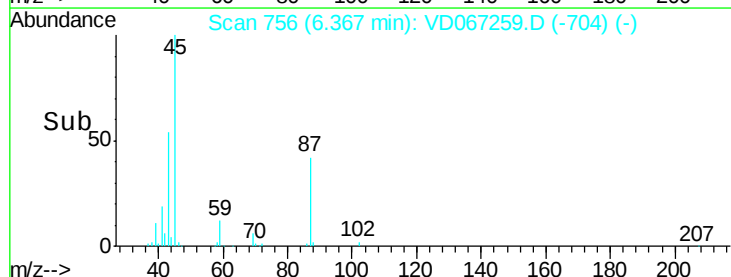
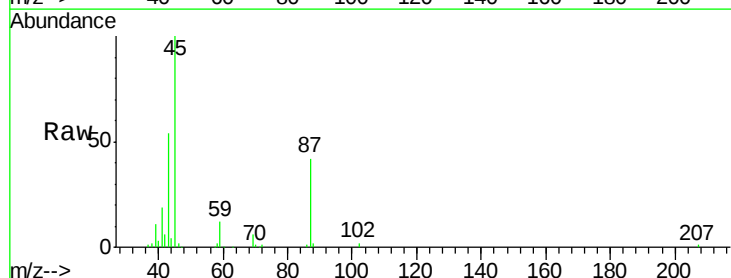
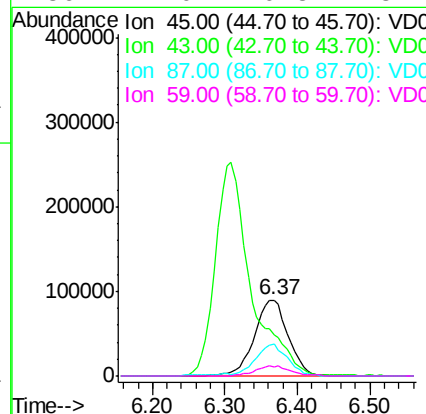
RT: 6.37 min Scan# 756

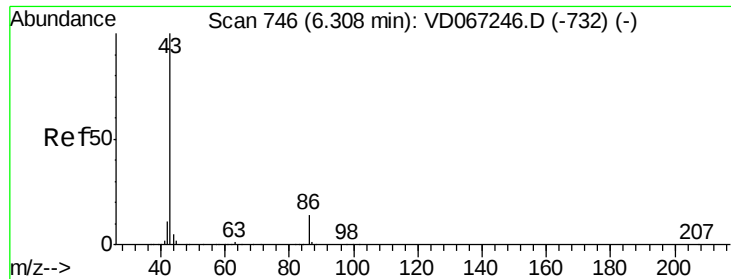
Delta R.T. 0.01 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Tgt Ion:	45	Resp:	291100
Ion	Ratio	Lower	Upper
45	100		
43	53.4	48.0	72.0
87	41.5	28.5	42.7
59	12.0	10.5	15.7





#23

Vinyl Acetate

Concen: 259.514 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 864182

Ion Ratio Lower Upper

43 100

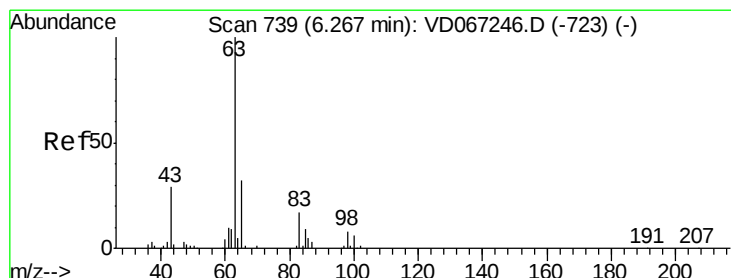
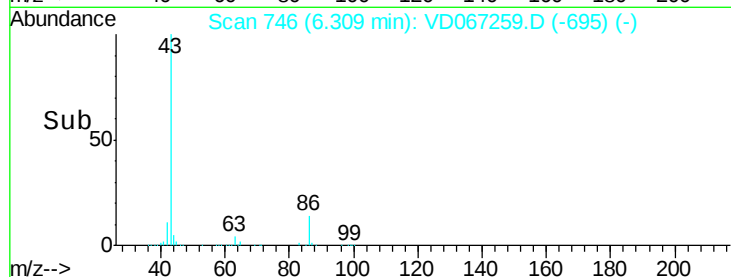
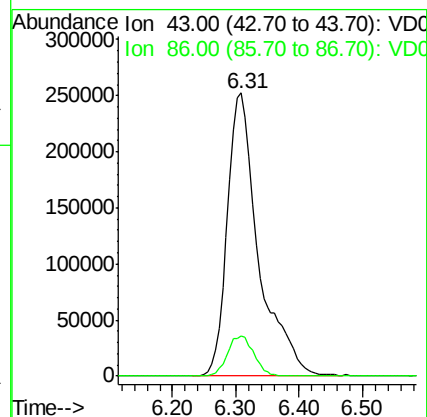
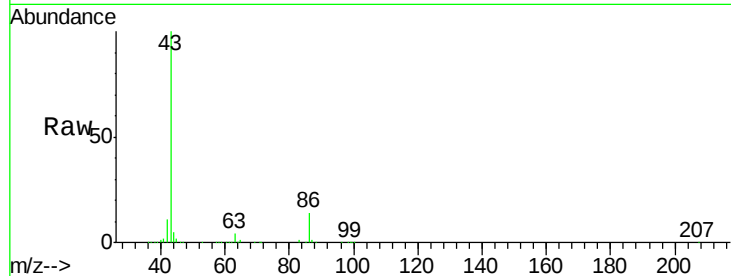
86 14.2 11.0 16.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.557 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

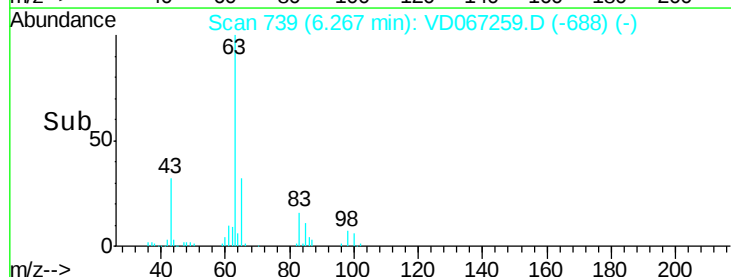
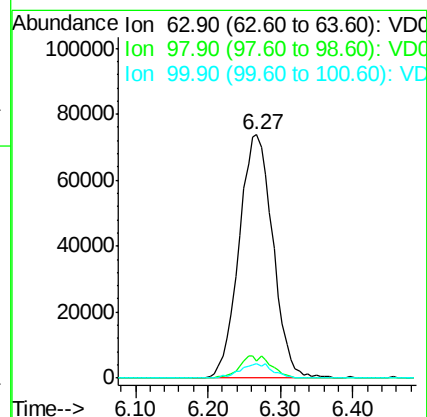
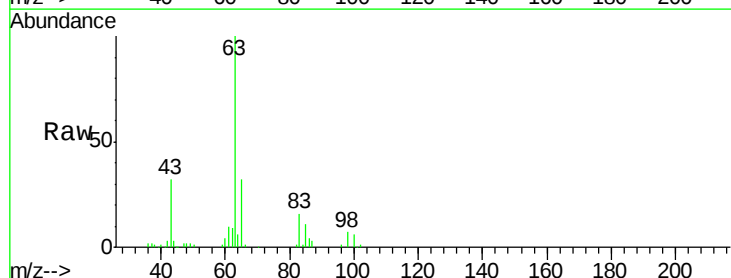
Tgt Ion: 63 Resp: 238281

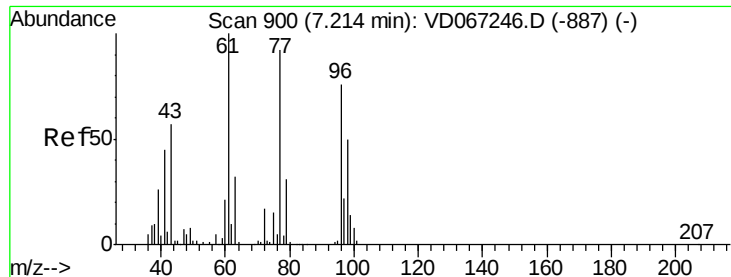
Ion Ratio Lower Upper

63 100

98 7.2 4.0 12.2

100 6.0 2.8 8.4





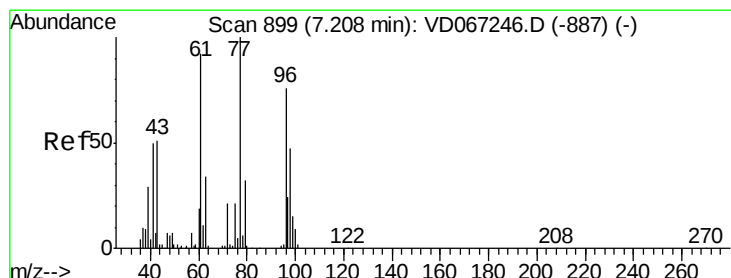
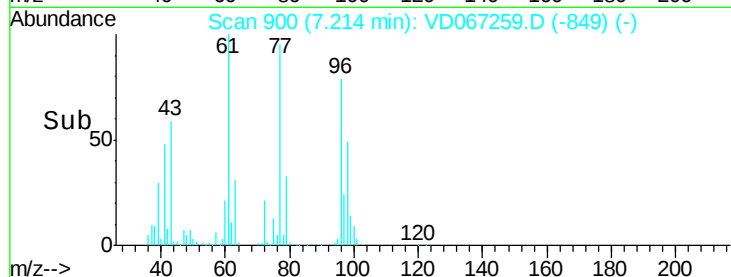
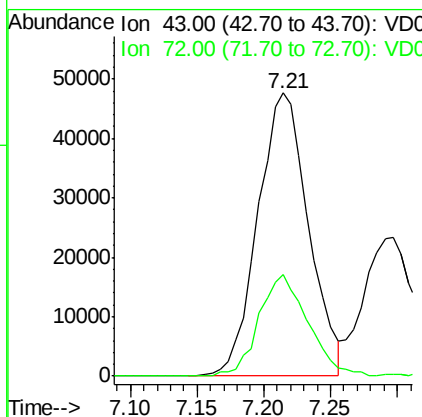
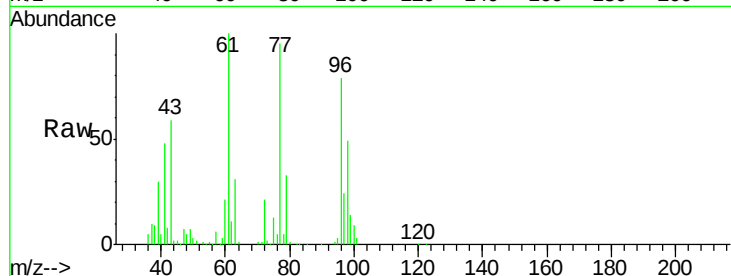
#25
2-Butanone
Concen: 231.188 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 125352
Ion Ratio Lower Upper
43 100
72 36.0 23.7 35.5#

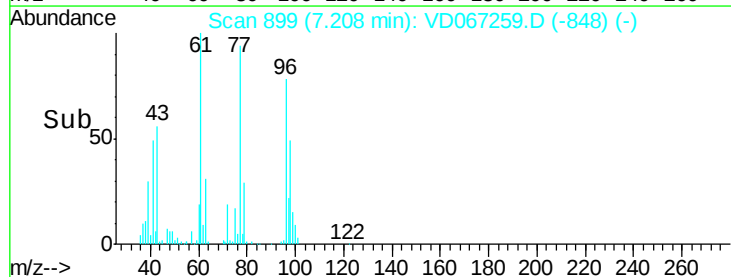
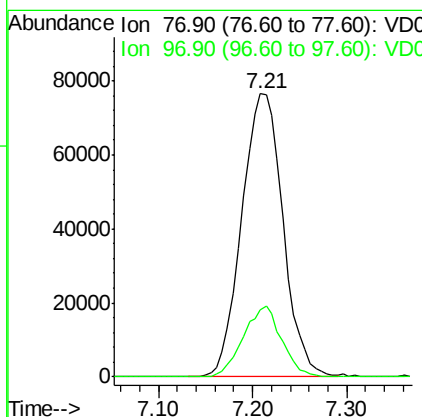
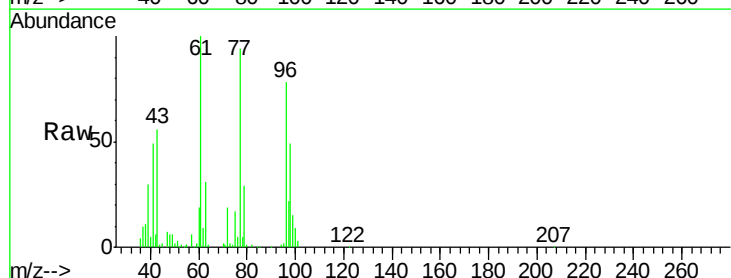
Manual Integrations
APPROVED

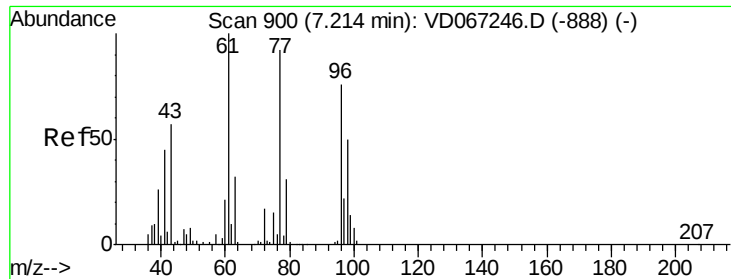
MMDadoda
10/14/2020 2:10:30 PM



#26
2,2-Dichloropropane
Concen: 45.052 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion: 77 Resp: 232665
Ion Ratio Lower Upper
77 100
97 23.3 11.4 34.2





#27

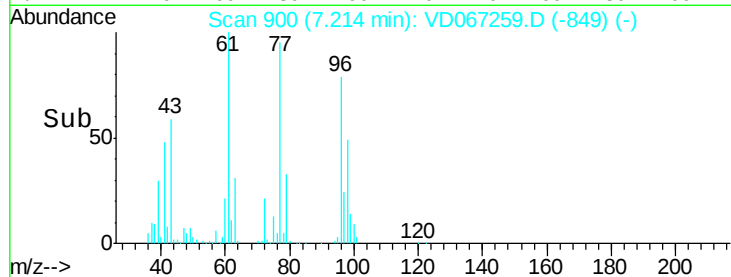
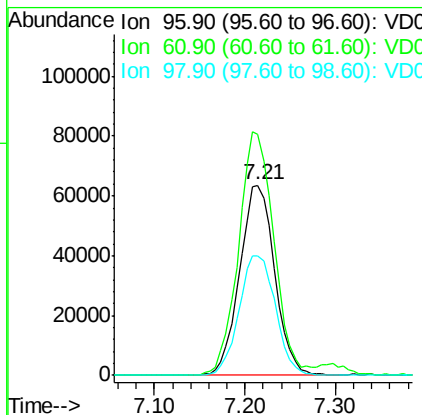
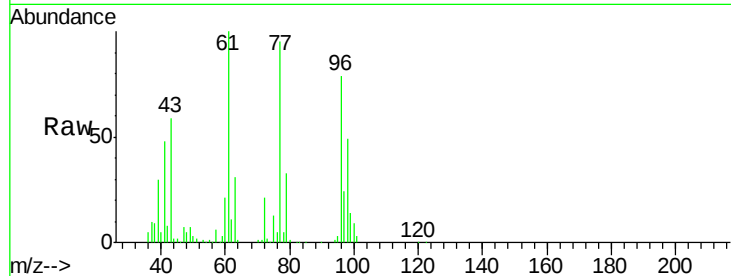
cis-1,2-Dichloroethene
Concen: 48.449 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	170968		
61	129.0	0.0	255.4	
98	65.3	0.0	128.0	

Manual Integrations
APPROVED

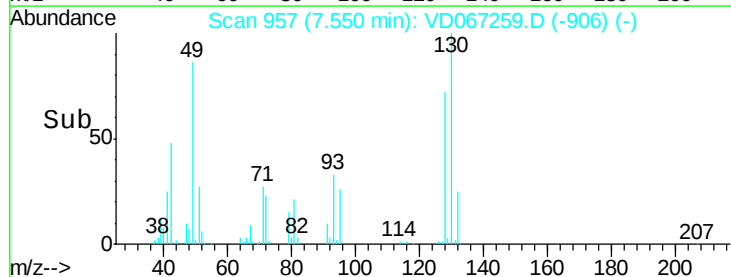
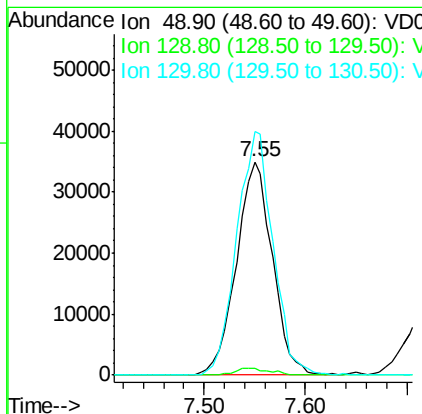
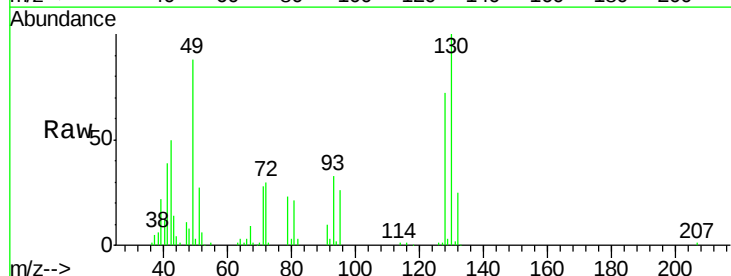
MMDadoda
10/14/2020 2:10:30 PM

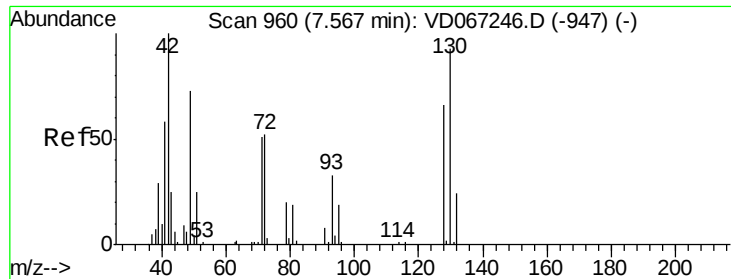


#28

Bromochloromethane
Concen: 50.409 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	86149		
129	3.0	0.0	1.6#	
130	115.3	91.0	136.6	





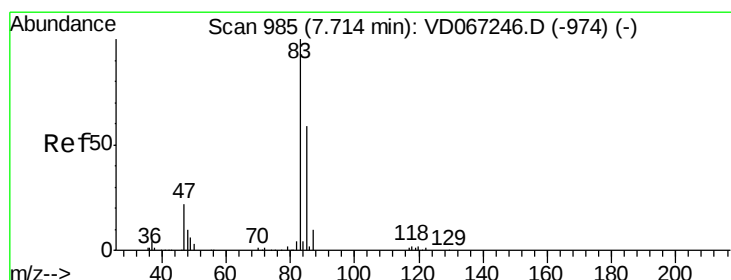
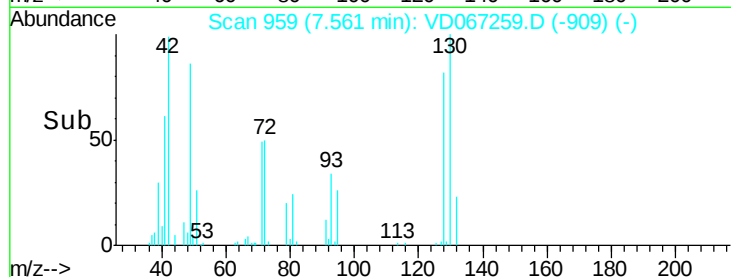
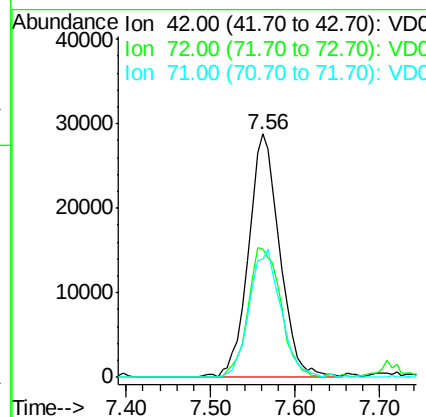
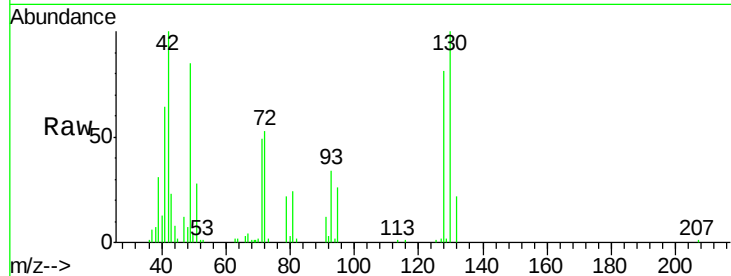
#29
Tetrahydrofuran
Concen: 245.695 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.9	43.2	64.8
71	53.0	39.4	59.0

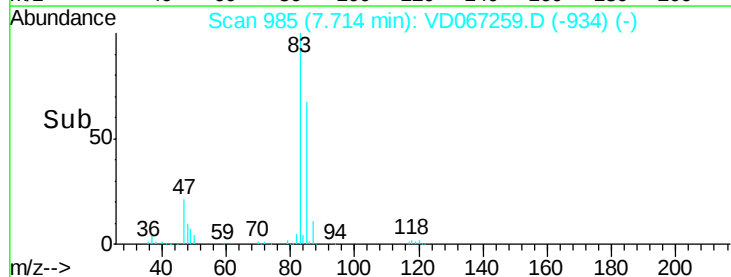
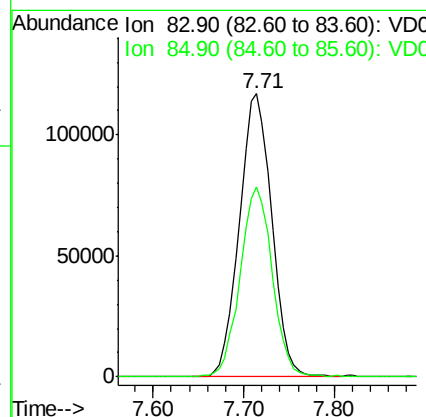
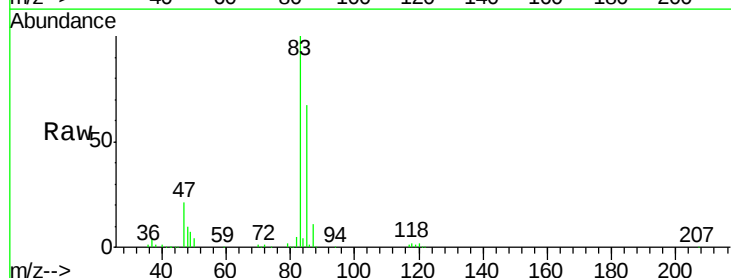
Manual Integrations
APPROVED

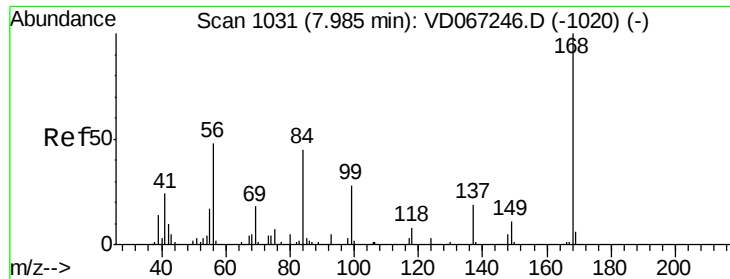
MMDadoda
10/14/2020 2:10:30 PM



#30
Chloroform
Concen: 48.611 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	47.3	70.9





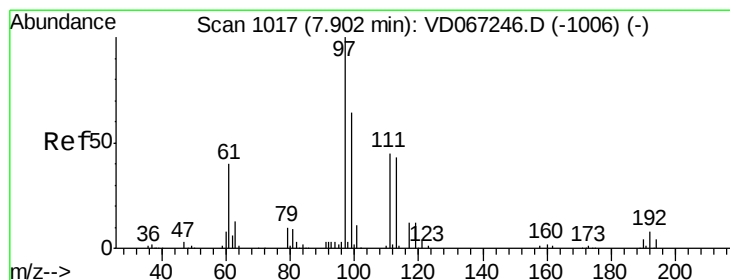
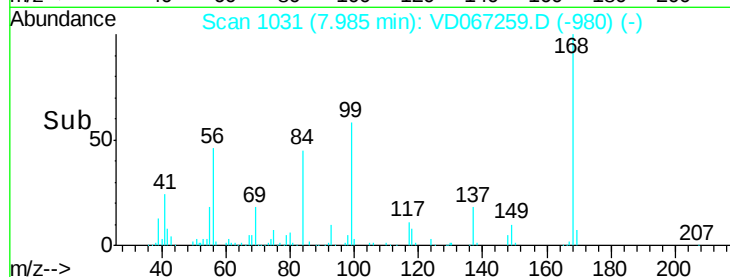
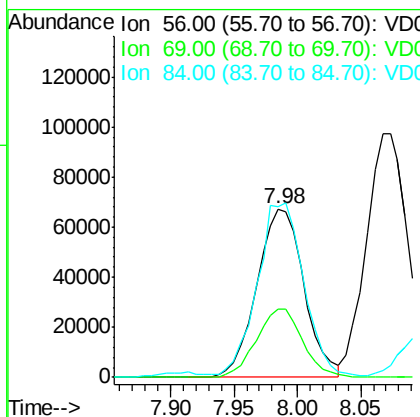
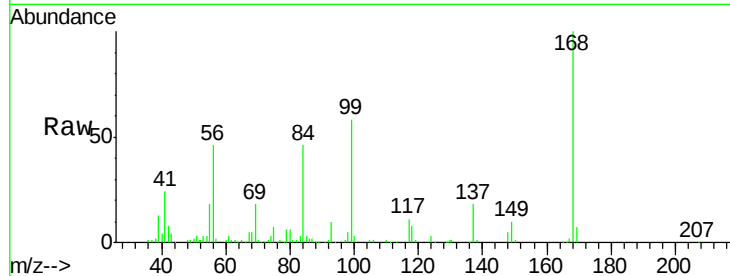
#31
Cyclohexane
Concen: 44.539 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.3	29.8	44.6
84	98.2	76.6	114.8

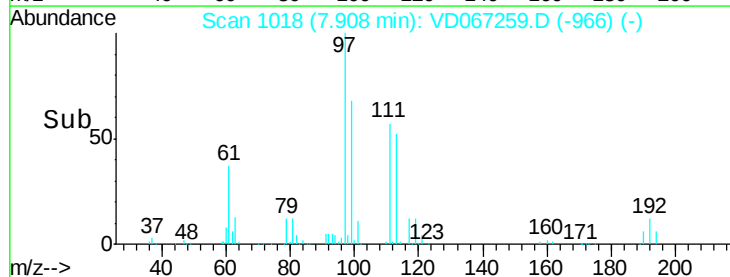
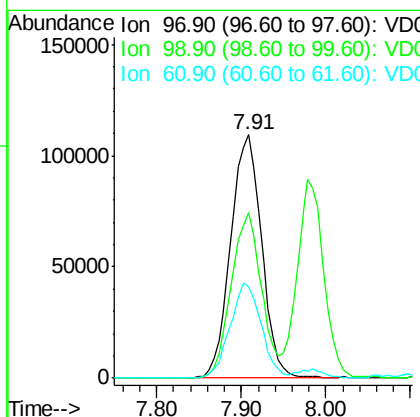
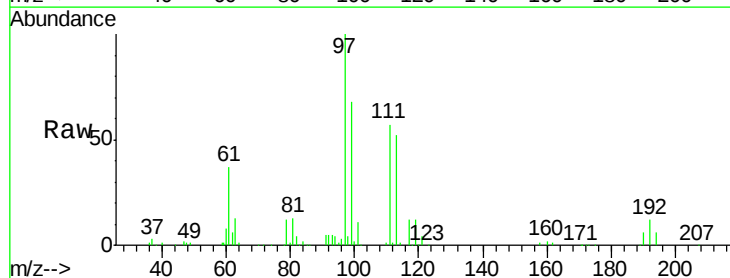
Manual Integrations
APPROVED

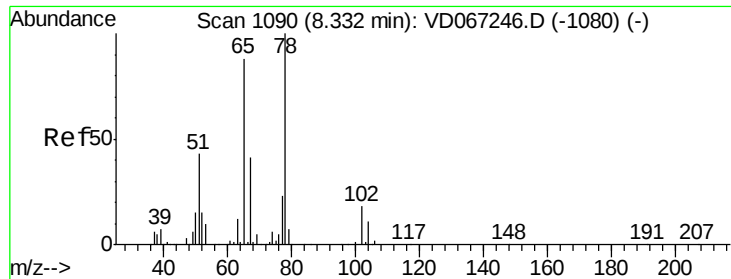
MMDadoda
10/14/2020 2:10:30 PM



#32
1,1,1-Trichloroethane
Concen: 47.184 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	50.2	75.4
61	38.8	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 48.075 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 163282

Ion Ratio Lower Upper

65 100

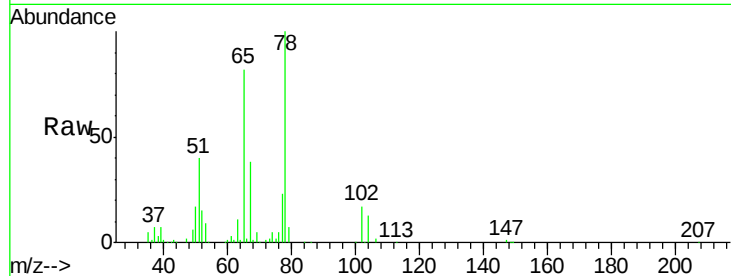
67 50.0 0.0 103.8

Manual Integrations

APPROVED

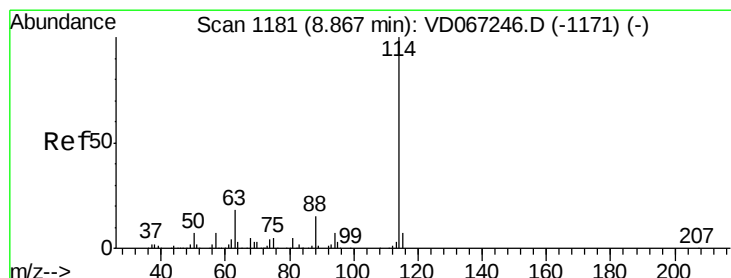
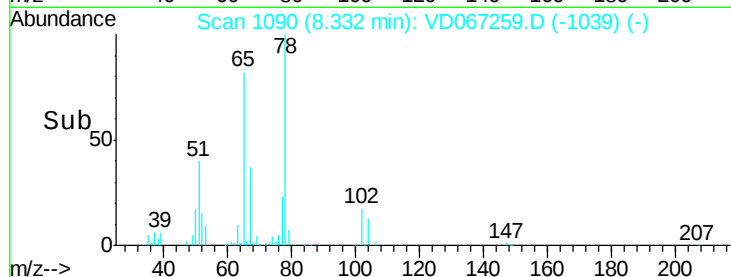
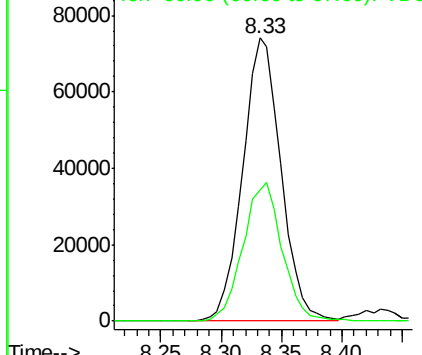
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

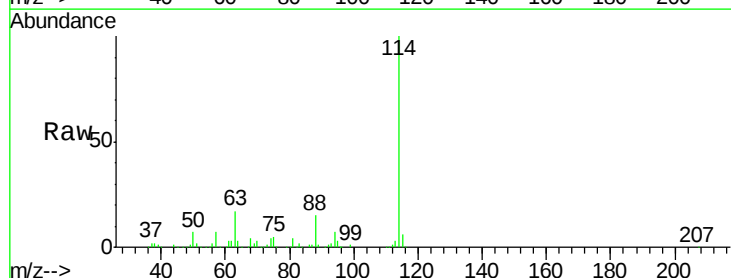
Tgt Ion: 114 Resp: 516533

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

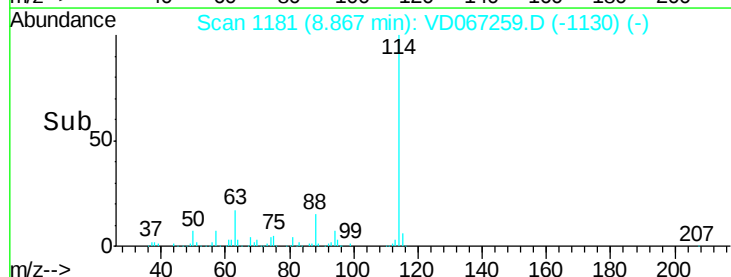
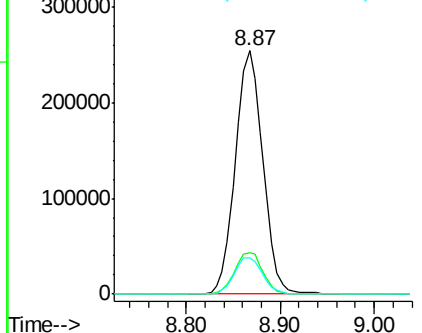
88 14.9 0.0 30.6

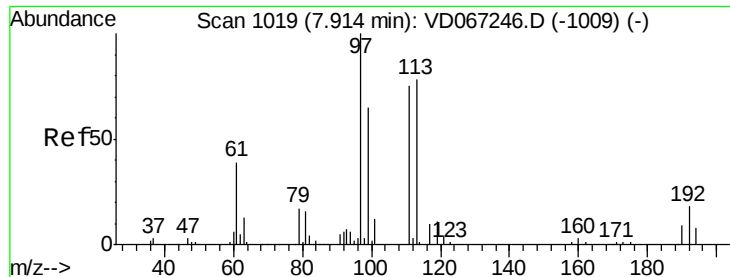


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





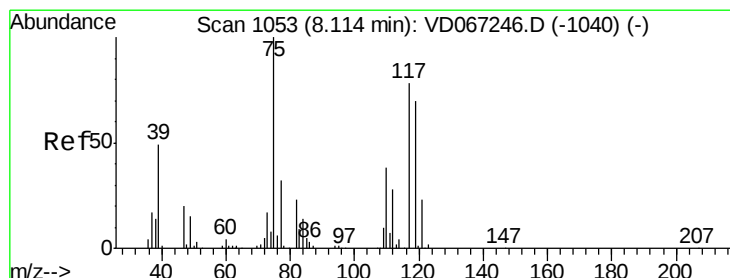
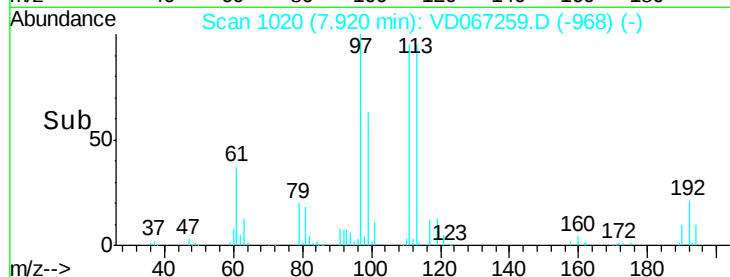
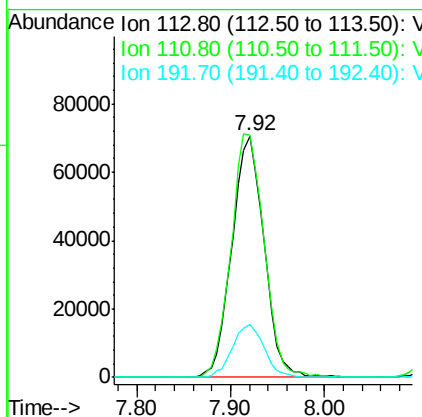
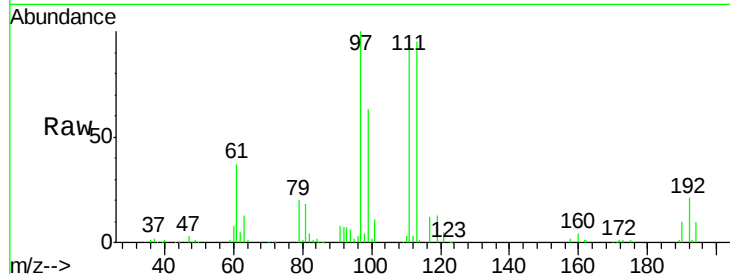
#35
 Dibromofluoromethane
 Concen: 48.742 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167553		
111	104.3	81.6	122.4	
192	21.8	17.0	25.4	

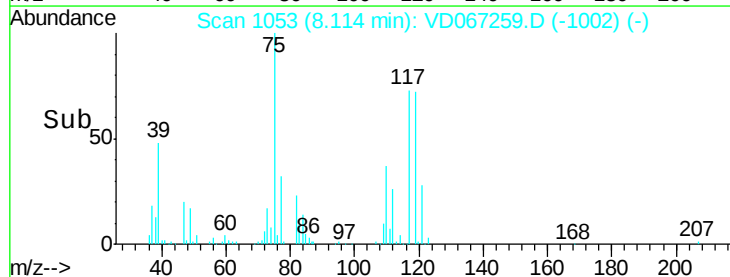
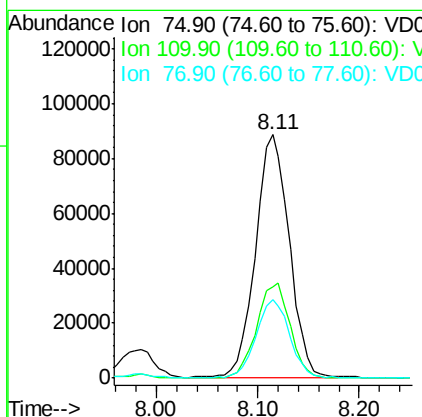
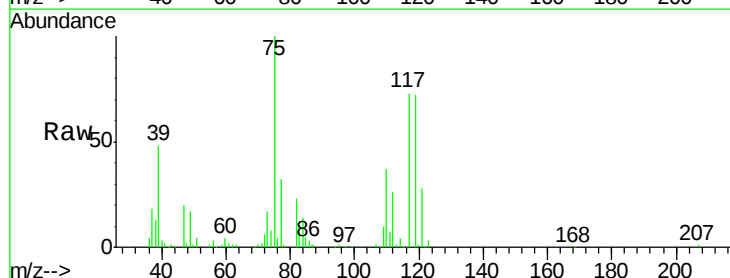
Manual Integrations
 APPROVED

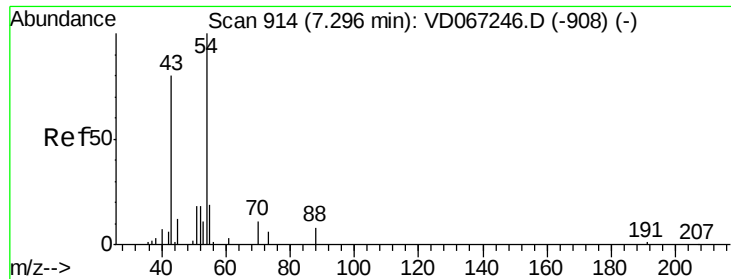
MMDadoda
 10/14/2020 2:10:30 PM



#36
 1,1-Dichloropropene
 Concen: 47.096 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	206184		
110	38.4	19.6	58.7	
77	32.0	24.6	37.0	





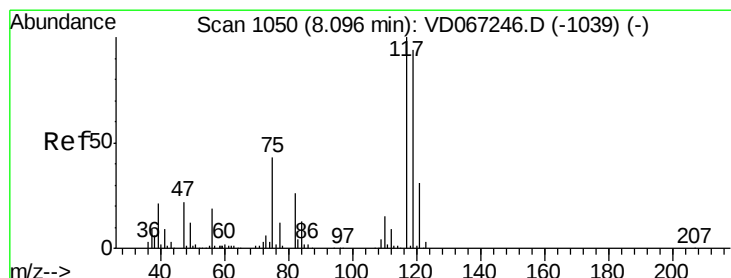
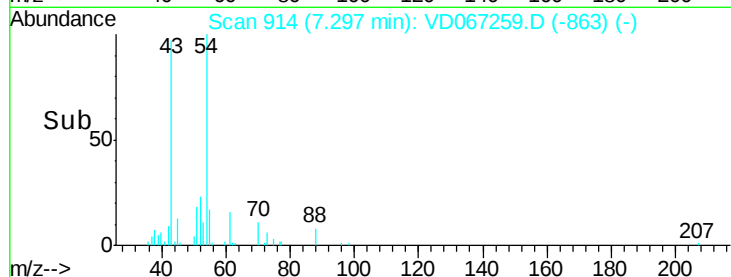
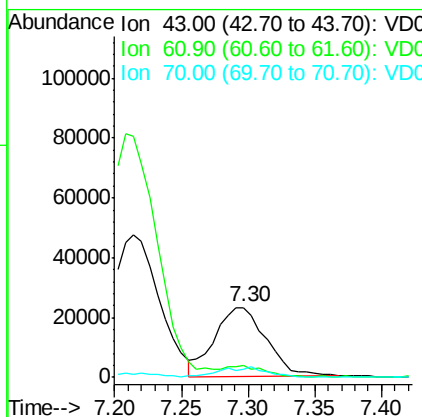
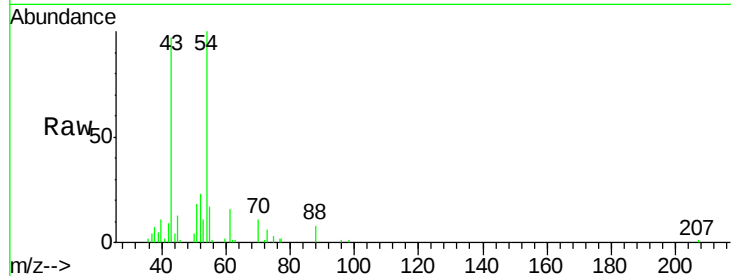
#37
Ethyl Acetate
Concen: 48.345 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	15.6	23.4#
70	5.2	10.4	15.6#

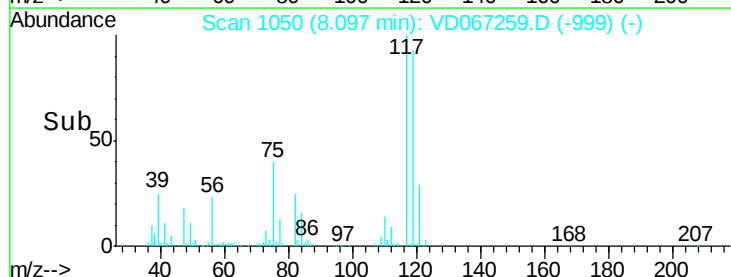
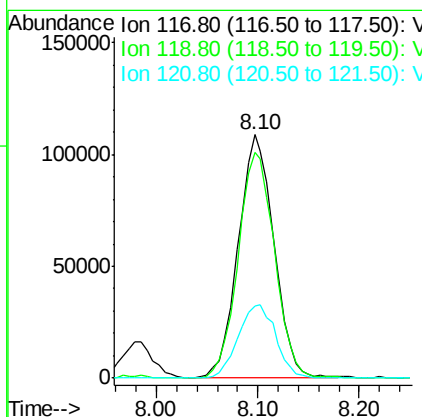
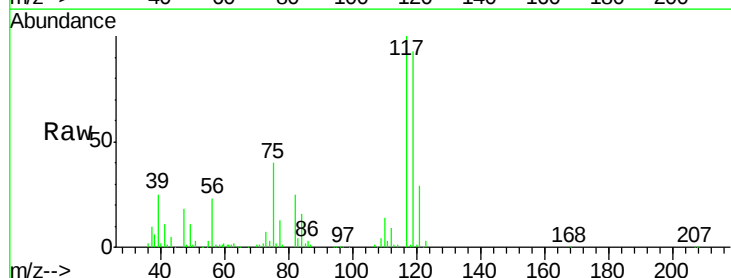
Manual Integrations
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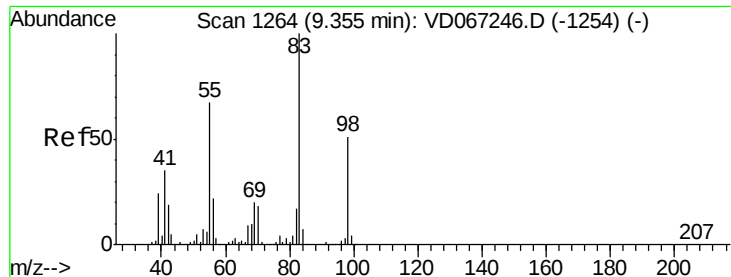
MMDadoda
10/14/2020 2:10:30 PM



#38
Carbon Tetrachloride
Concen: 47.298 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.0	112.4
121	29.5	24.9	37.3





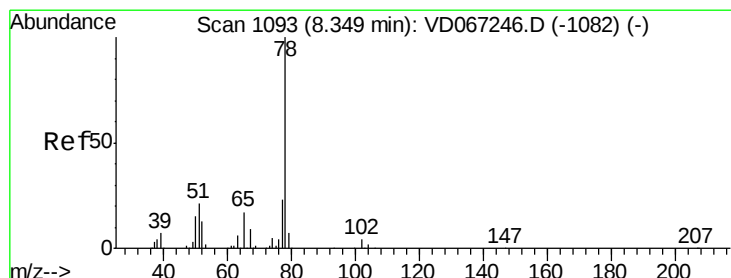
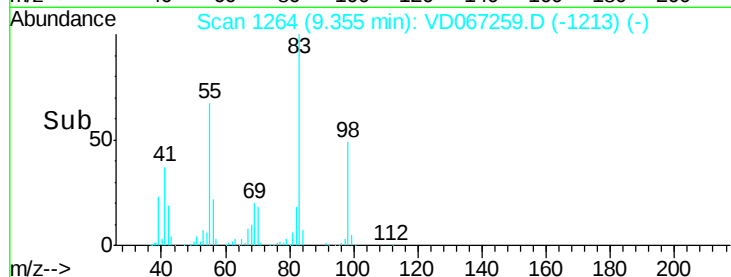
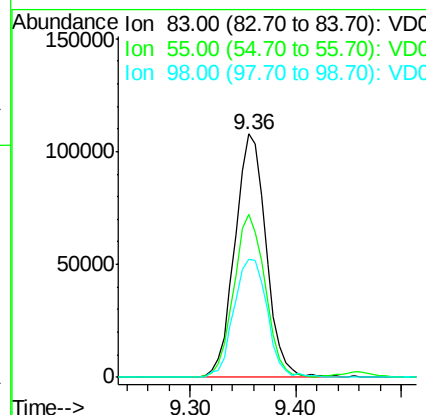
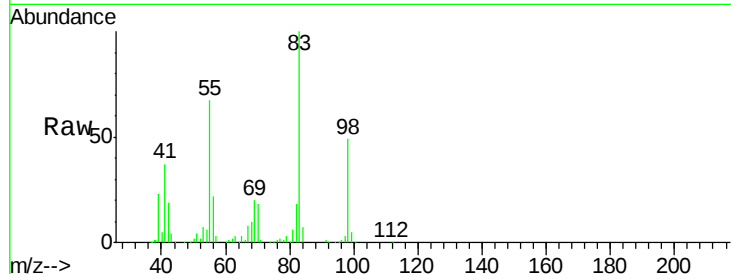
#39
Methvlcvclohexane
Concen: 48.022 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	219787		
55	66.9	53.3	79.9	
98	48.5	41.0	61.4	

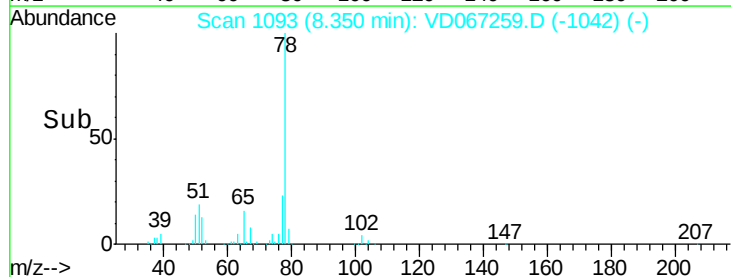
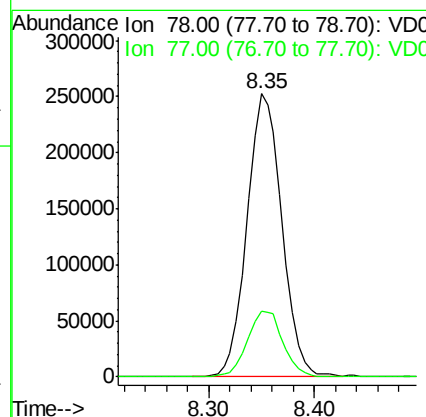
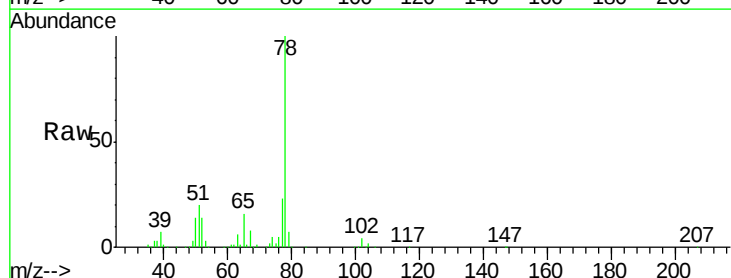
Manual Integrations
APPROVED

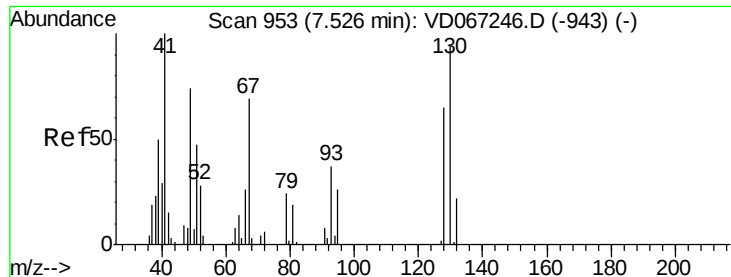
MMDadoda
10/14/2020 2:10:30 PM



#40
Benzene
Concen: 48.192 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	578811		
77	23.4	18.3	27.5	





#41

Methacrylonitrile

Concen: 49.278 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

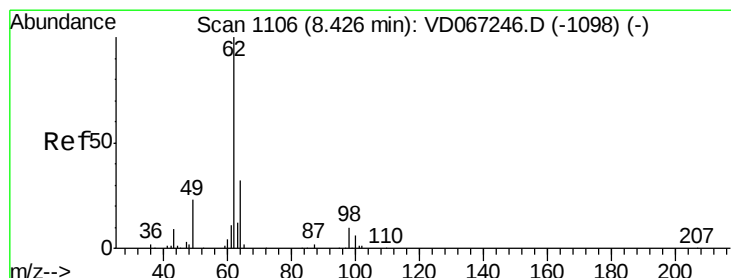
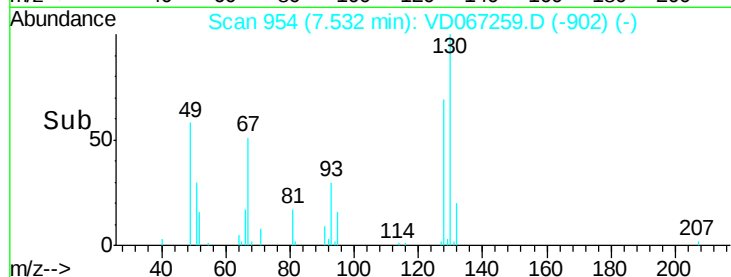
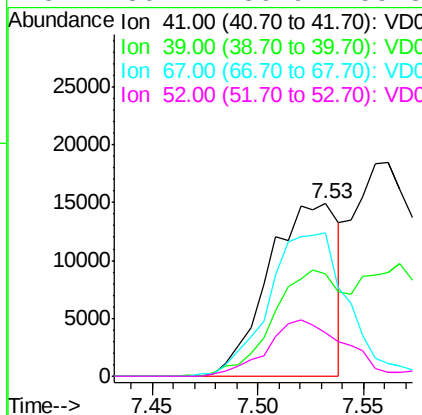
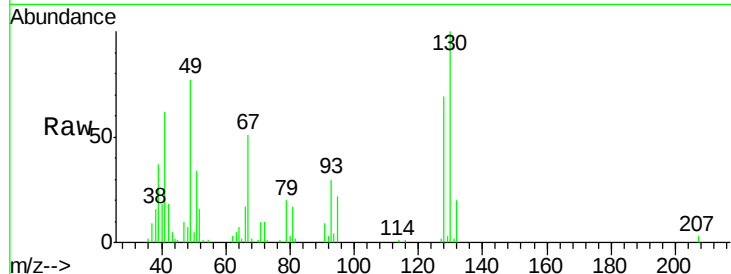
VSTDCCC050EC

Tot Ion: 41 Resp: 34300

Ion	Ratio	Lower	Upper
41	100		
39	63.9	60.0	90.0
67	93.2	88.9	133.3
52	36.2	36.9	55.3#

Manual Integrations
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10/14/2020 2:10:30 PM



#42

1,2-Dichloroethane

Concen: 47.356 ug/l

RT: 8.43 min Scan# 1106

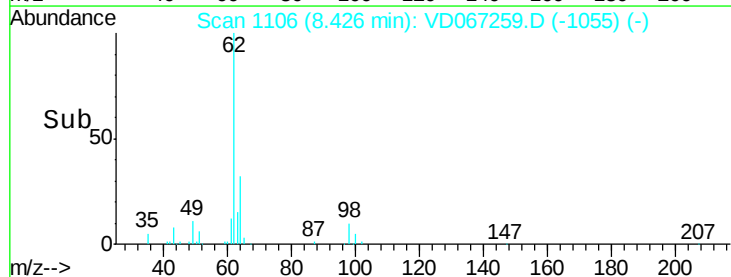
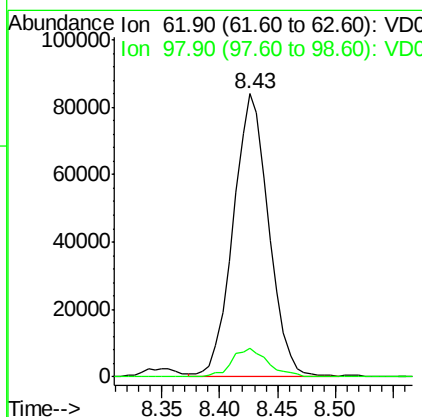
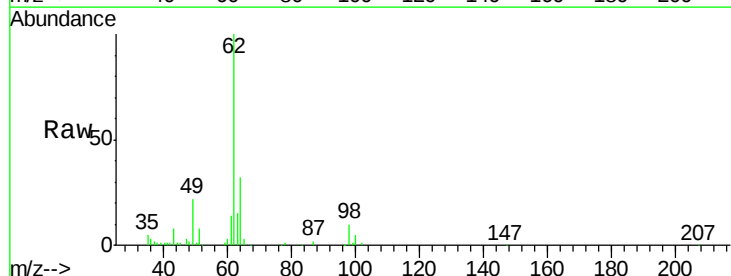
Delta R.T. 0.00 min

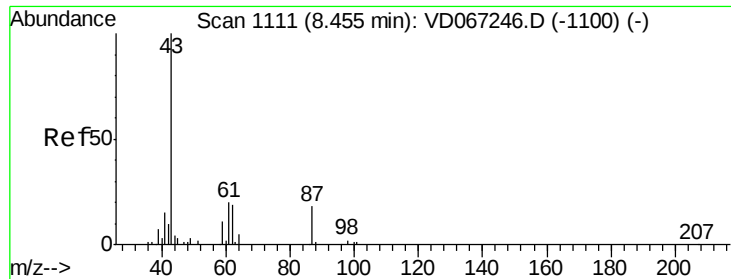
Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Tgt Ion: 62 Resp: 177996

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





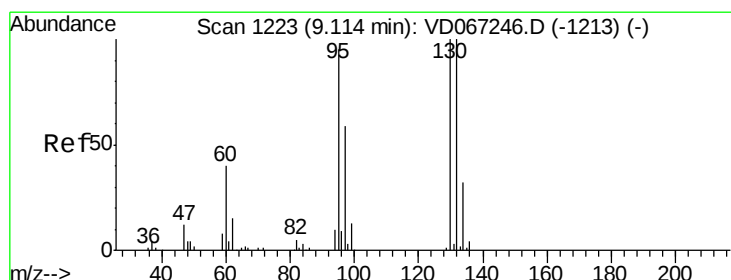
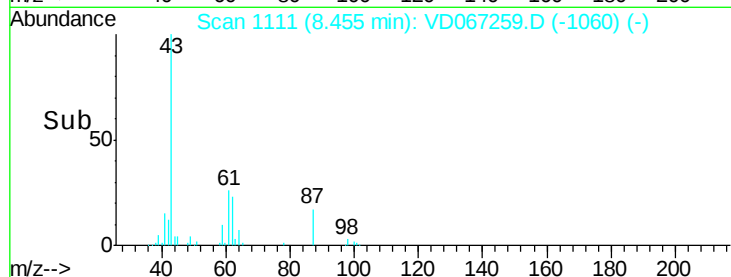
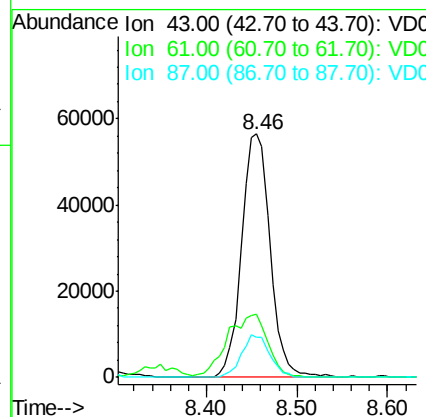
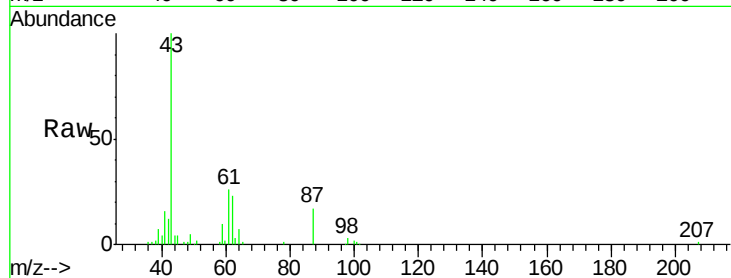
#43
Isopropyl Acetate
Concen: 48.490 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.6	29.5	44.3
87	17.2	14.2	21.4

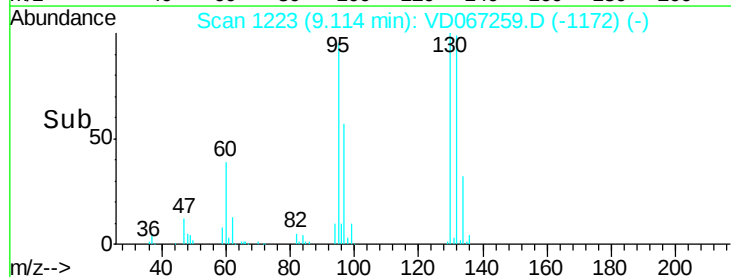
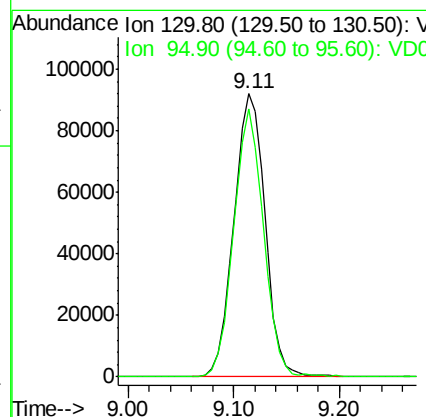
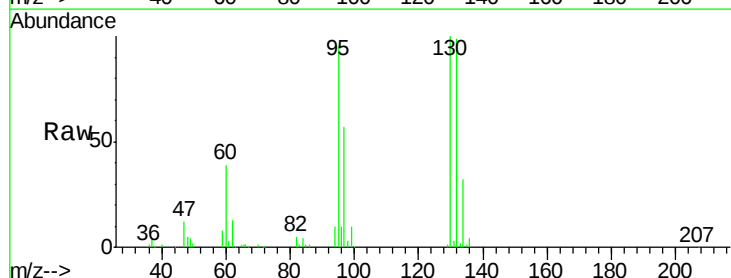
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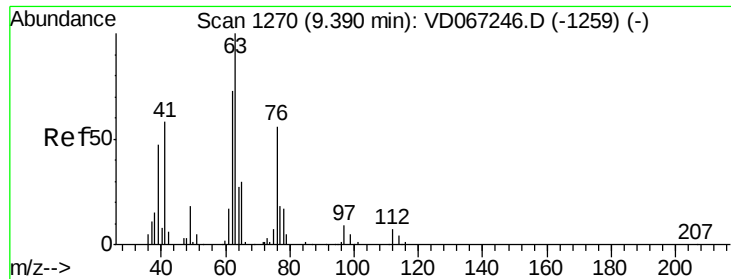
MMDadoda
10/14/2020 2:10:30 PM



#44
Trichloroethene
Concen: 48.710 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	190.6





#45

1,2-Dichloropropane

Concen: 47.210 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 131411

Ion Ratio Lower Upper

63 100

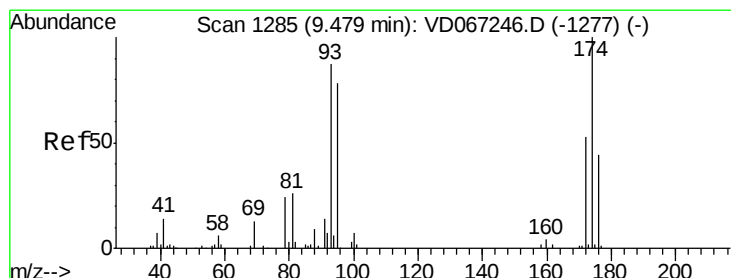
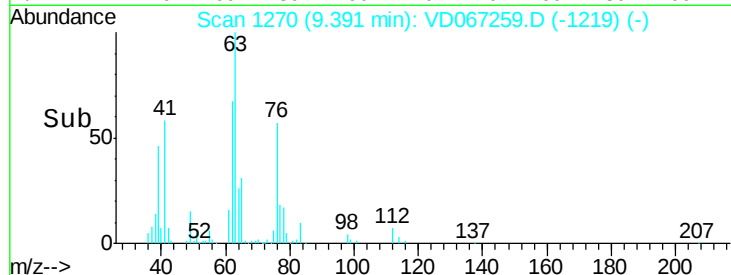
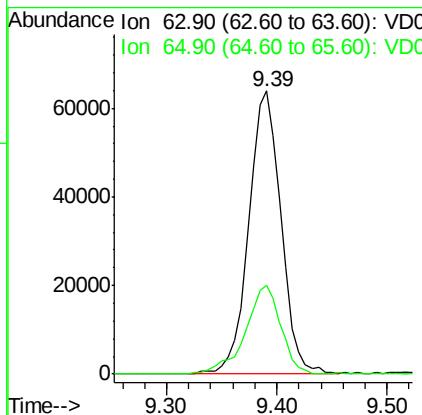
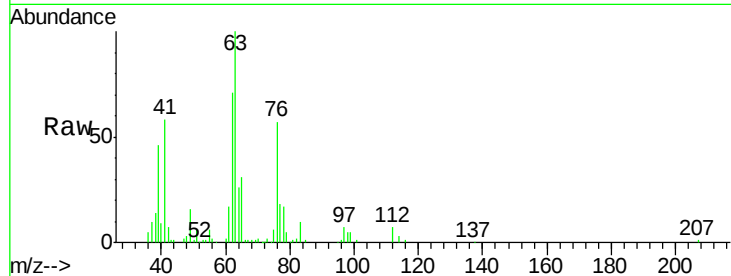
65 31.5 24.6 36.8

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#46

Dibromomethane

Concen: 47.163 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

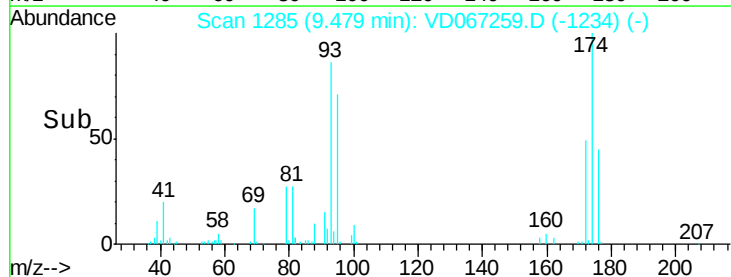
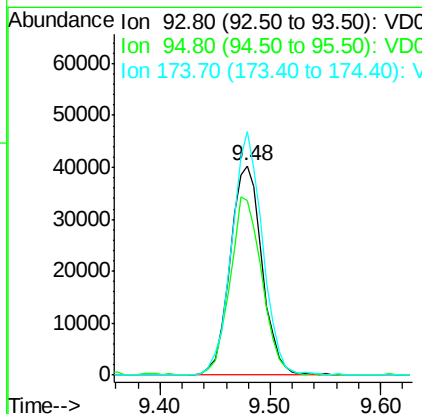
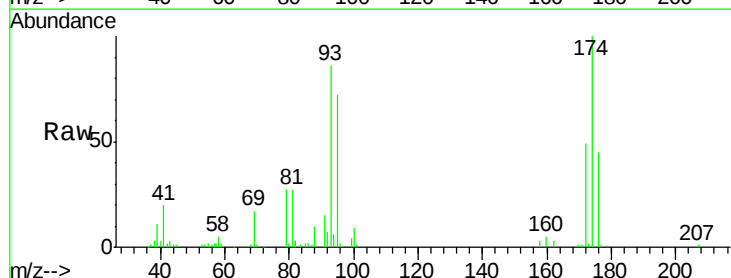
Tgt Ion: 93 Resp: 81794

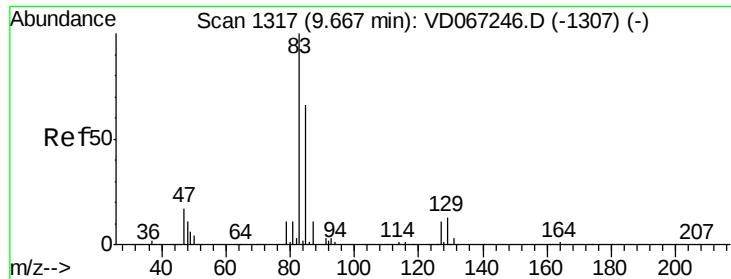
Ion Ratio Lower Upper

93 100

95 84.9 68.0 102.0

174 112.1 91.8 137.6





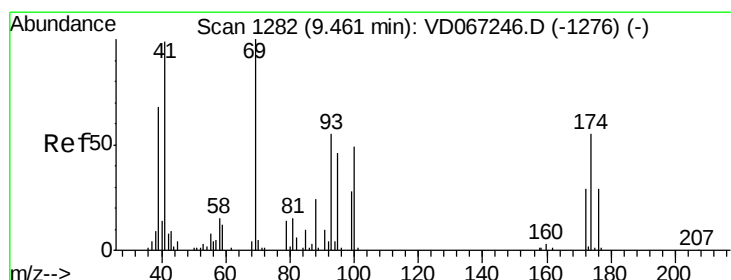
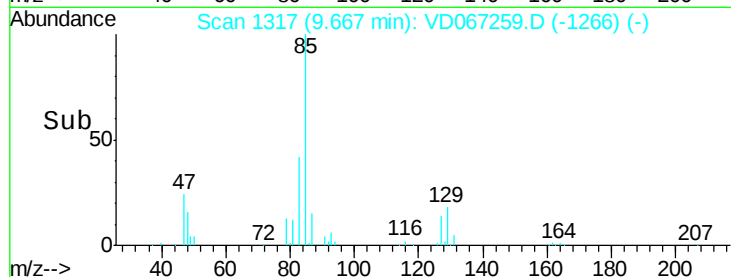
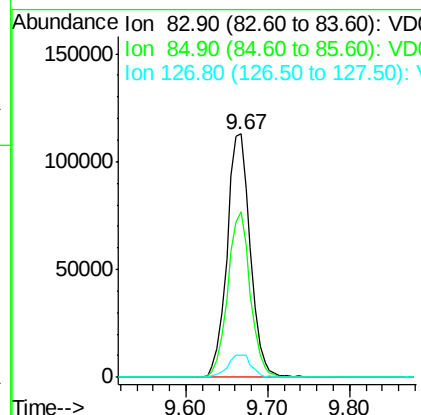
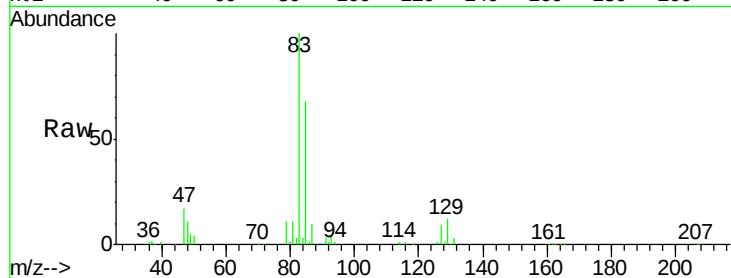
#47
Bromodichloromethane
Concen: 48.088 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.9	53.1	79.7
127	9.4	8.6	13.0

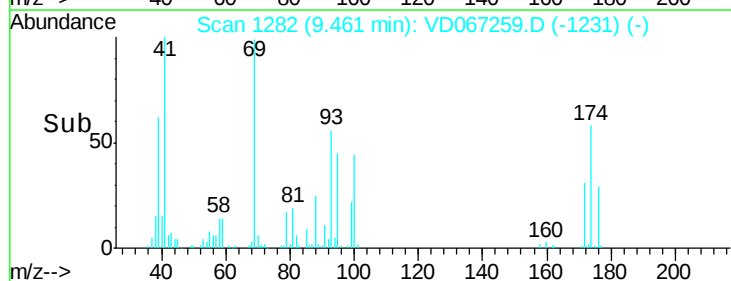
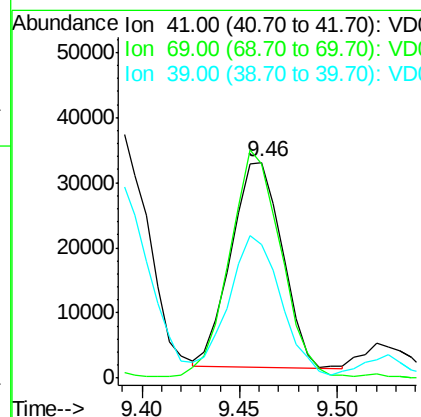
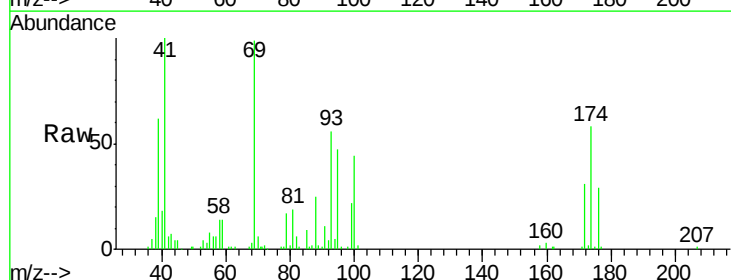
Manual Integrations
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#48
Methyl methacrylate
Concen: 46.185 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	110.0	89.0	133.6
39	72.1	60.2	90.2





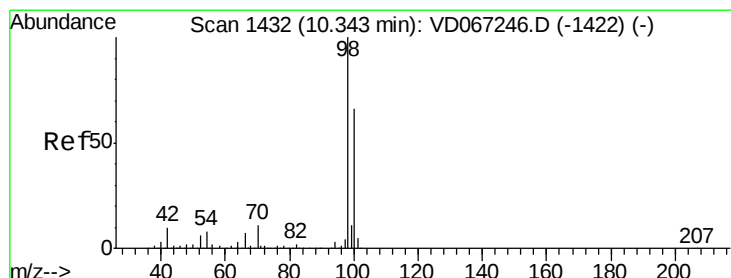
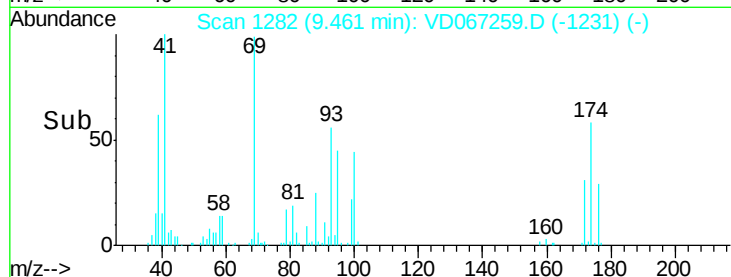
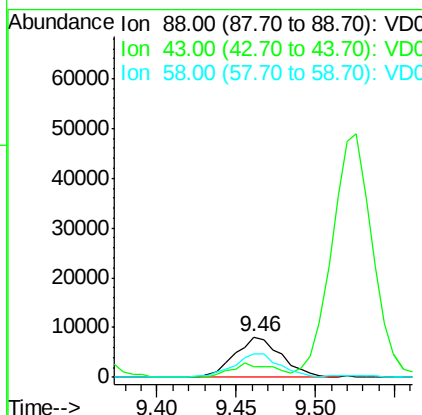
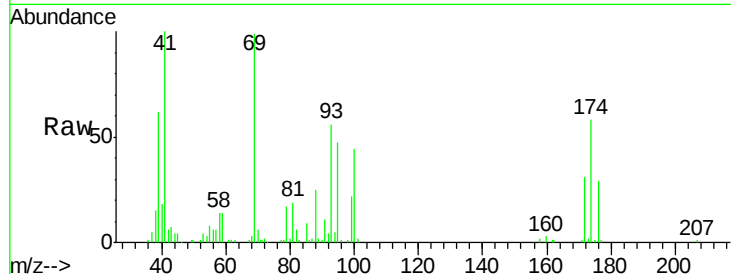
#49
1,4-Dioxane
Concen: 991.637 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	16647
Ion	Ratio	Lower	Upper
88	100		
43	31.9	23.9	35.9
58	58.5	51.0	76.6

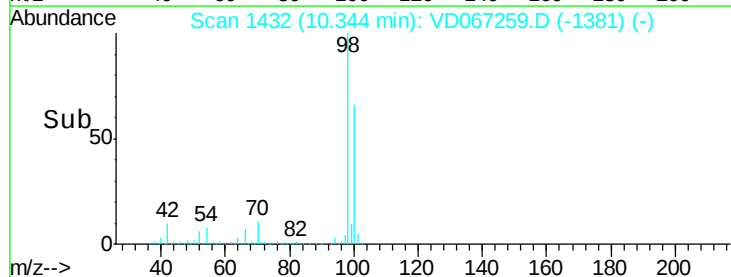
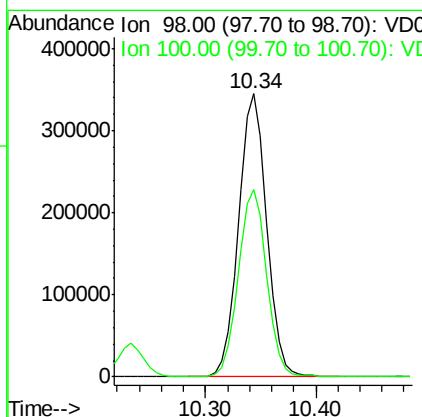
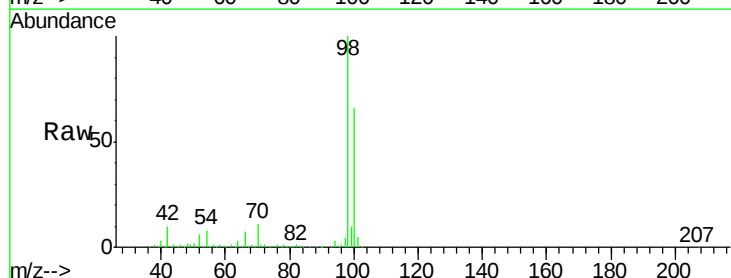
Manual Integrations
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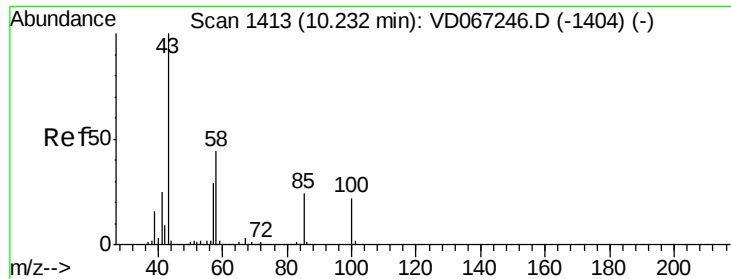
MMDadoda
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#50
Toluene-d8
Concen: 49.682 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	98	Resp	618053
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 241.052 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 307291

Ion Ratio Lower Upper

43 100

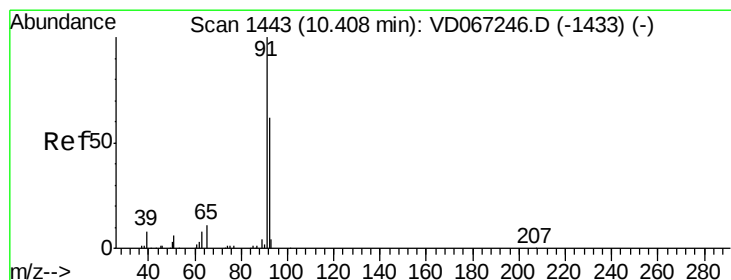
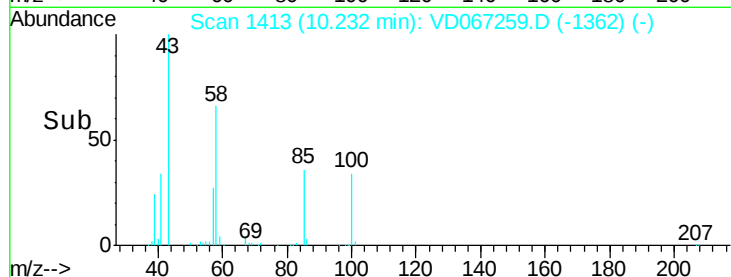
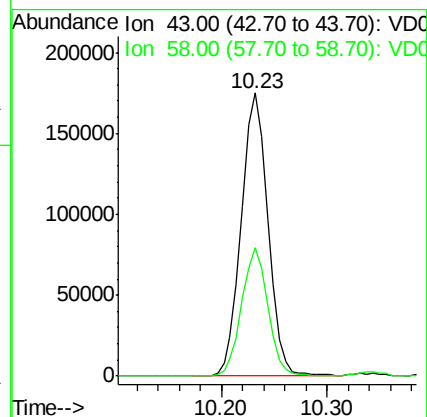
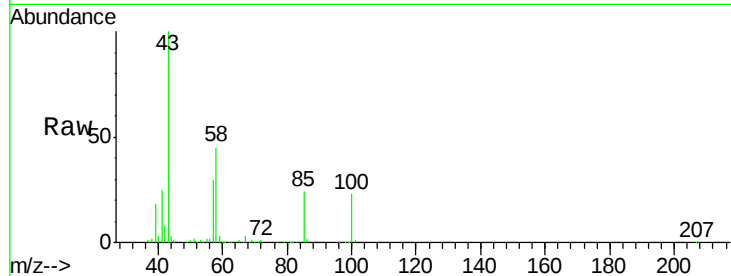
58 44.3 35.7 53.5

Manual Integrations

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#52

Toluene

Concen: 49.159 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067259.D

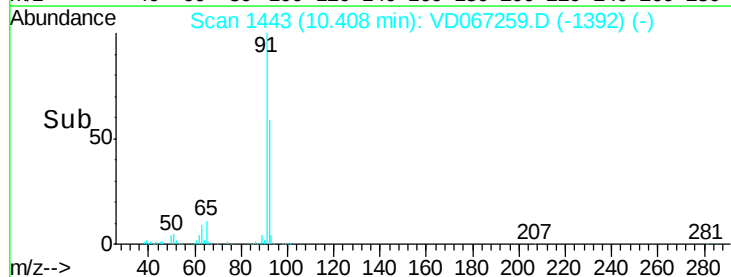
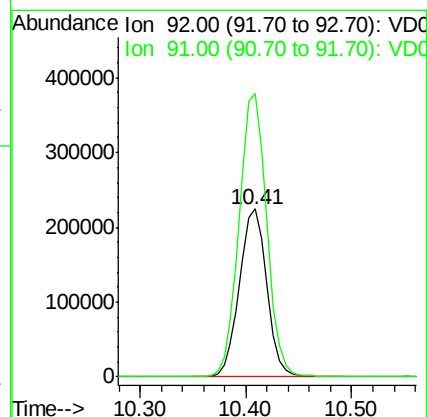
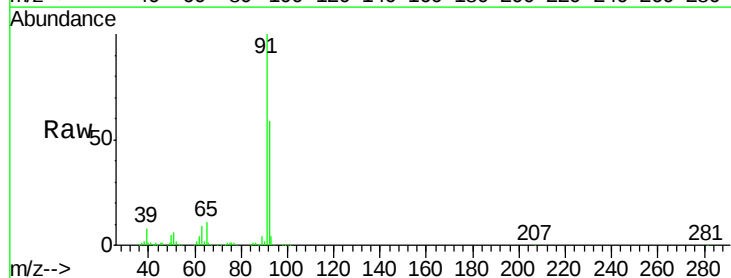
Acq: 13 Oct 2020 18:25

Tgt Ion: 92 Resp: 402137

Ion Ratio Lower Upper

92 100

91 170.2 133.8 200.8





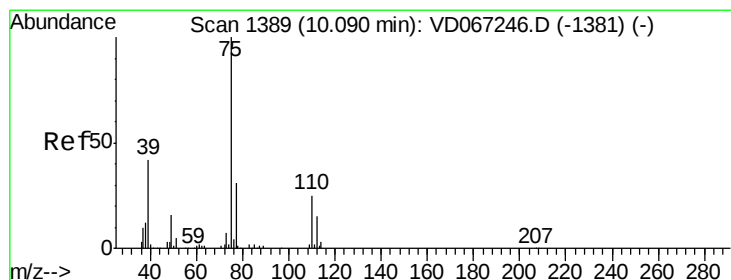
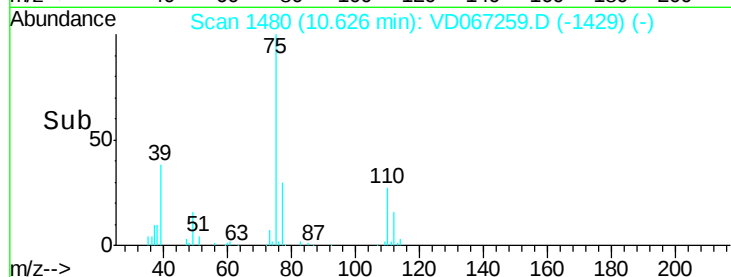
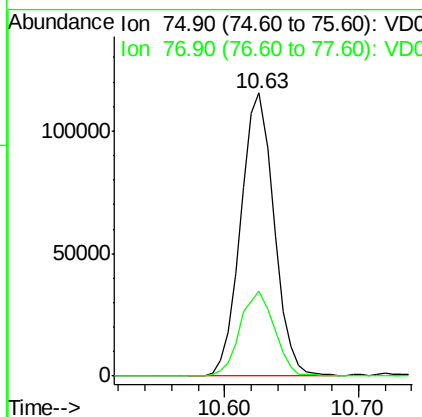
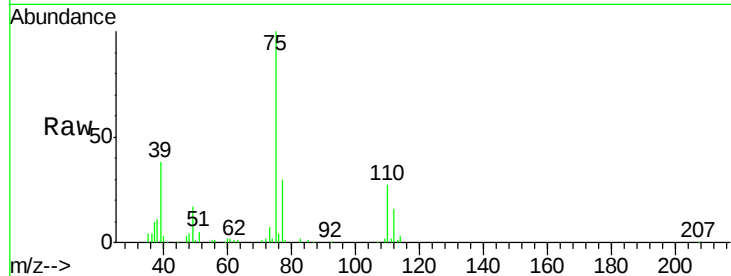
#53
t-1,3-Dichloropropene
Concen: 48.949 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 199797
Ion Ratio Lower Upper
75 100
77 30.0 26.5 39.7

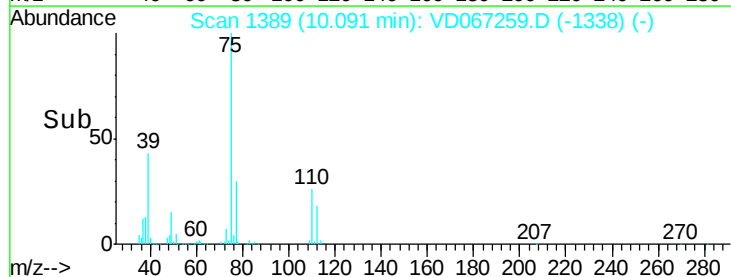
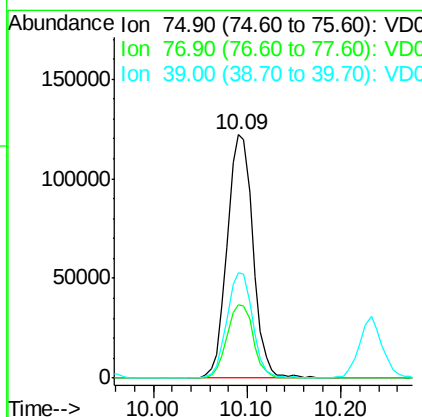
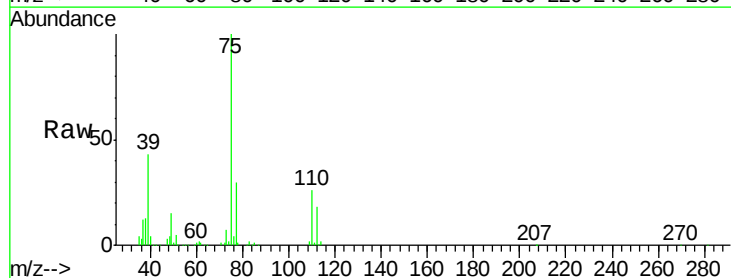
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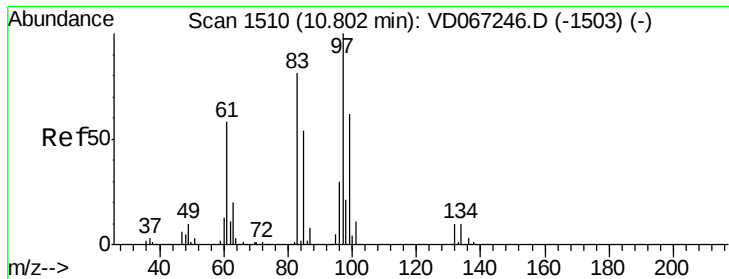
MMDadoda
10/14/2020 2:10:30 PM



#54
cis-1,3-Dichloropropene
Concen: 48.683 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion: 75 Resp: 232553
Ion Ratio Lower Upper
75 100
77 30.3 24.5 36.7
39 42.9 33.7 50.5





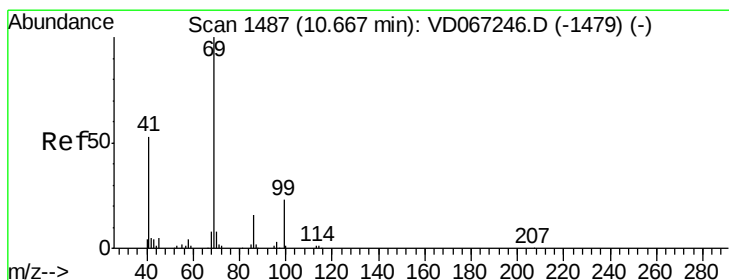
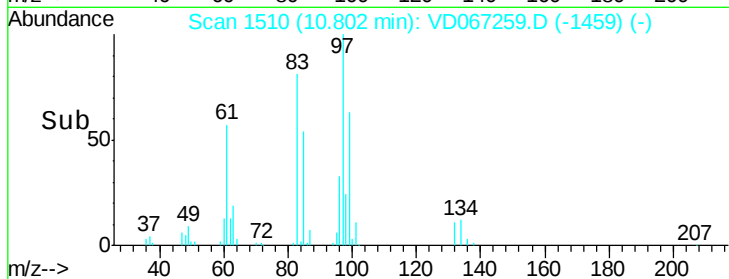
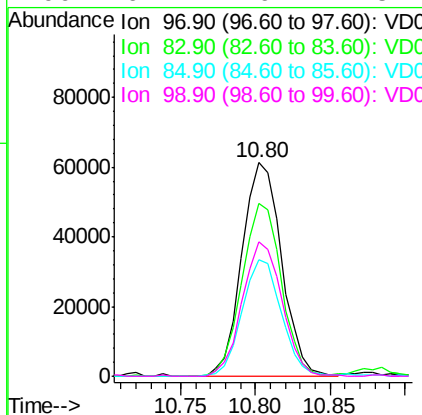
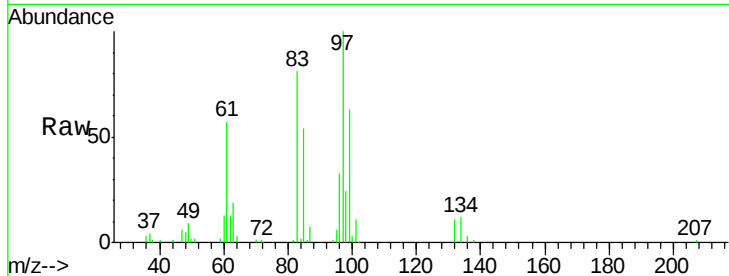
#55
 1,1,2-Trichloroethane
 Concen: 47.801 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100			
83	81.1	64.9	97.3	
85	54.3	43.3	64.9	
99	62.7	49.1	73.7	

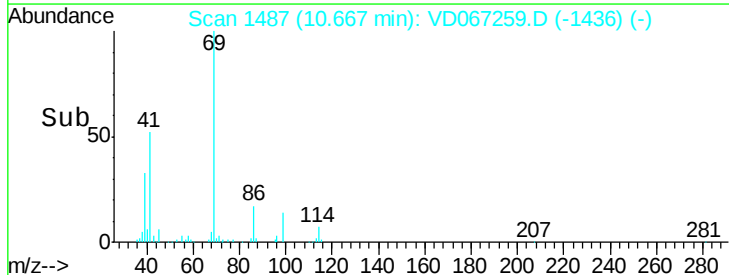
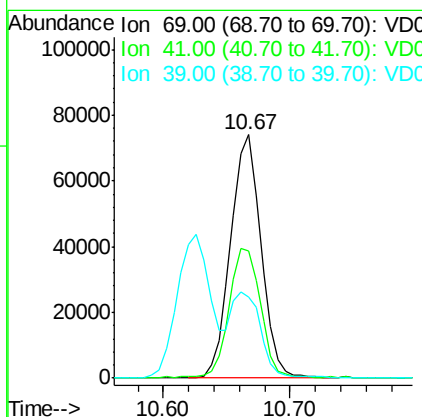
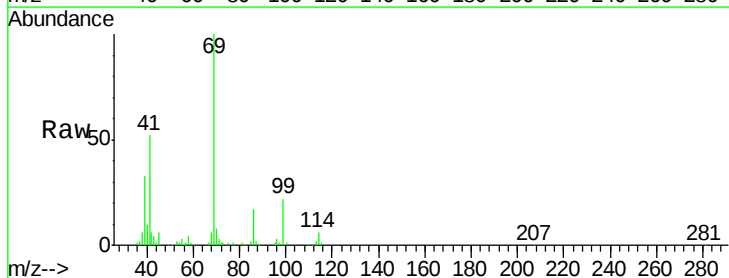
Manual Integrations
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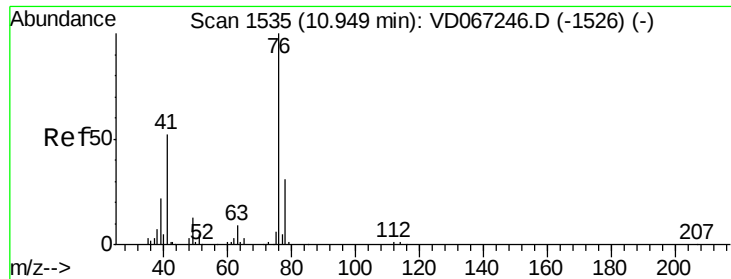
MMDadoda
 10/14/2020 2:10:30 PM



#56
 Ethyl methacrylate
 Concen: 50.326 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
69	100			
41	55.1	44.7	67.1	
39	33.4	26.2	39.2	





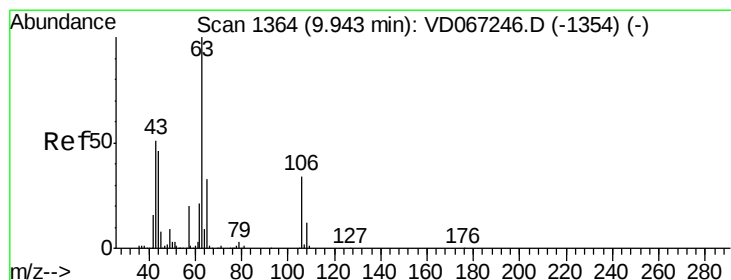
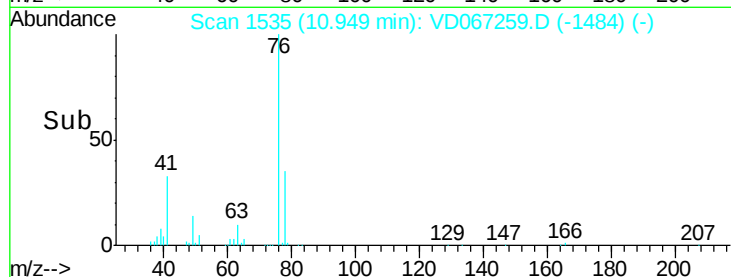
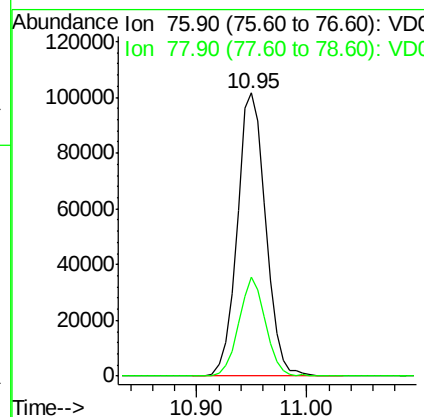
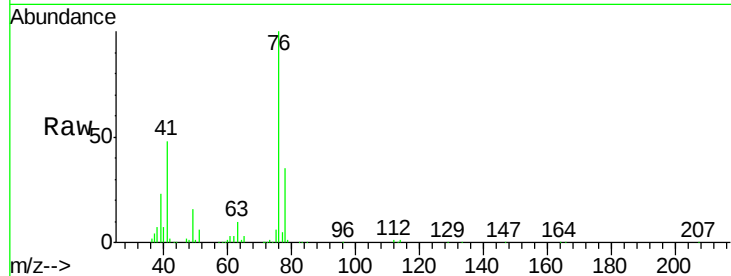
#57
 1,3-Dichloropropane
 Concen: 48.623 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.8	40.2

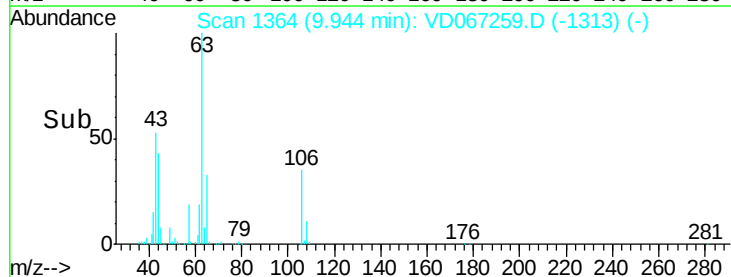
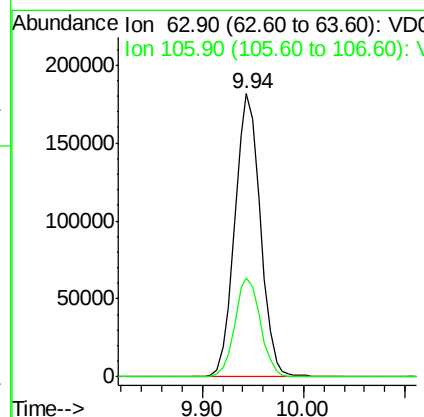
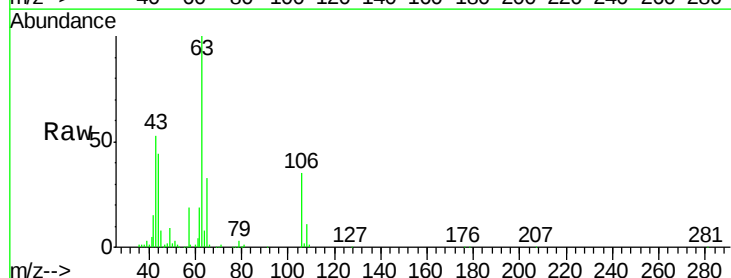
Manual Integrations
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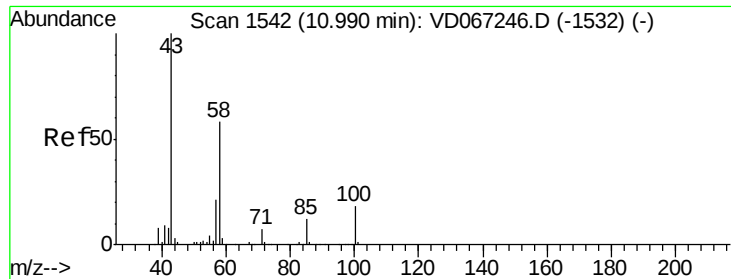
MMDadoda
 10/14/2020 2:10:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.485 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.0	27.8	41.6





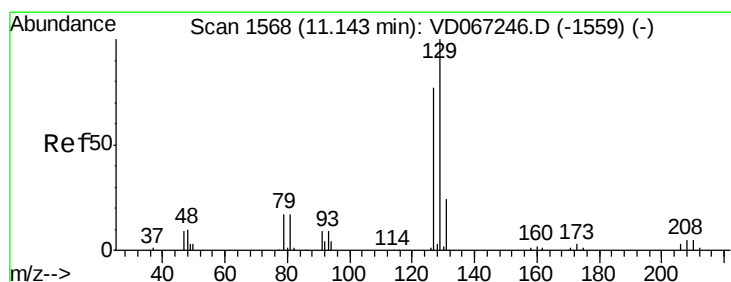
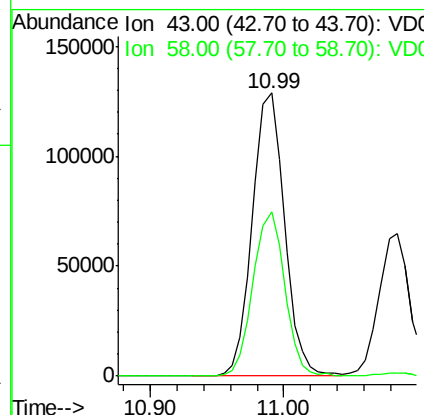
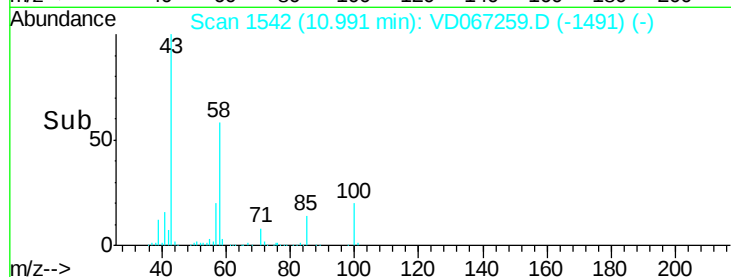
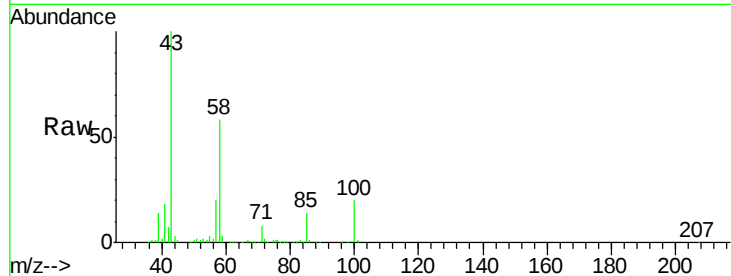
#59
2-Hexanone
Concen: 246.688 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 214891
Ion Ratio Lower Upper
43 100
58 57.5 29.3 87.9

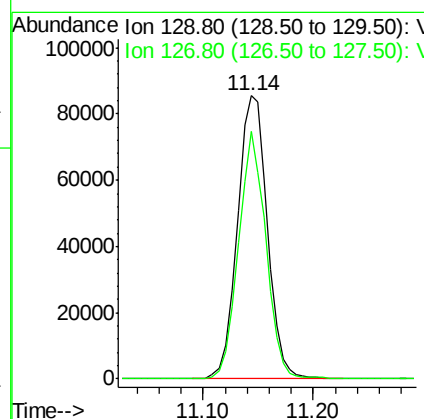
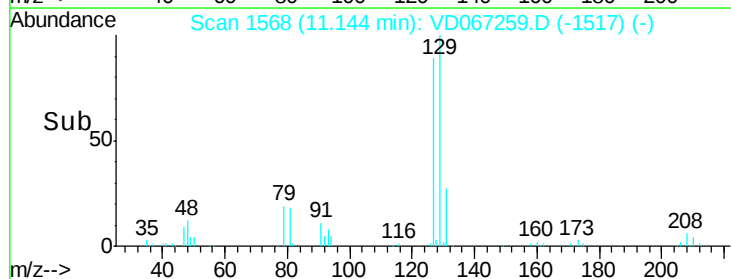
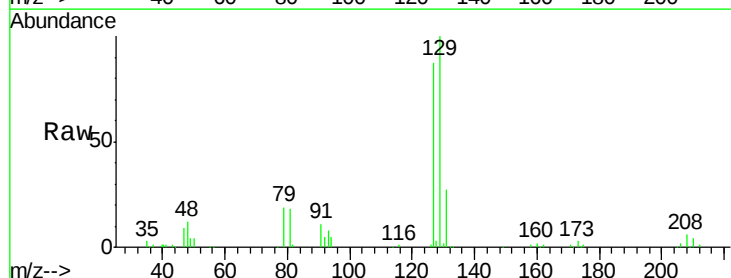
Manual Integrations
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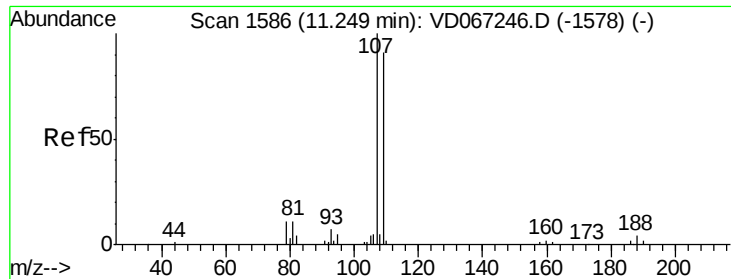
MMDadoda
10/14/2020 2:10:30 PM



#60
Dibromochloromethane
Concen: 47.061 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion: 129 Resp: 162308
Ion Ratio Lower Upper
129 100
127 80.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 47.485 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 110710

Ion Ratio Lower Upper

107 100

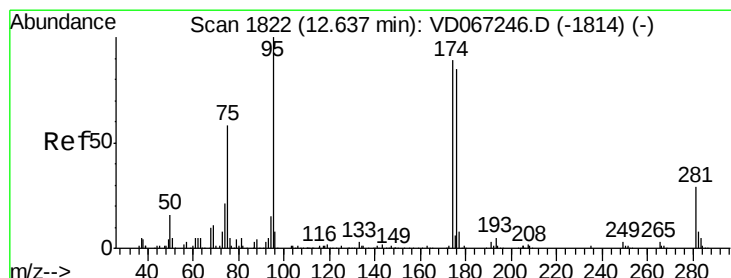
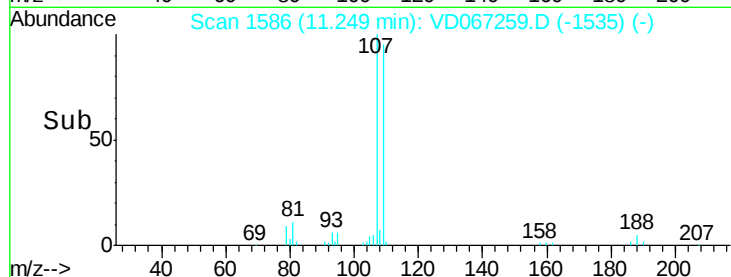
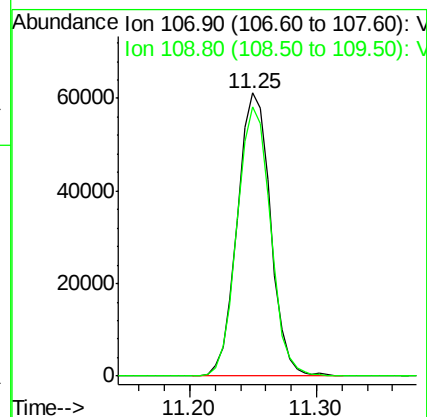
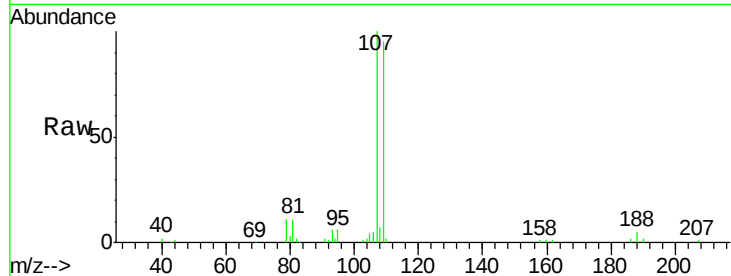
109 95.8 74.6 112.0

Manual Integrations

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MMDadoda

10/14/2020 2:10:30 PM



#62

4-Bromofluorobenzene

Concen: 50.174 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

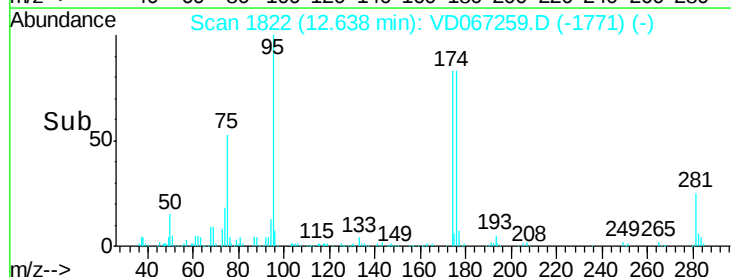
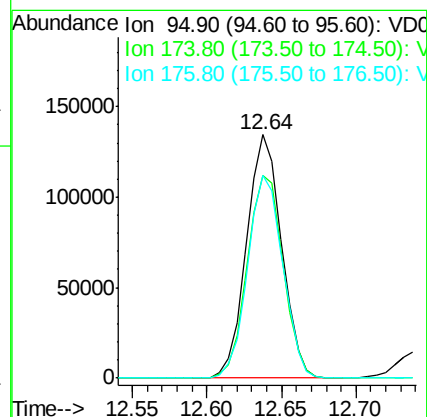
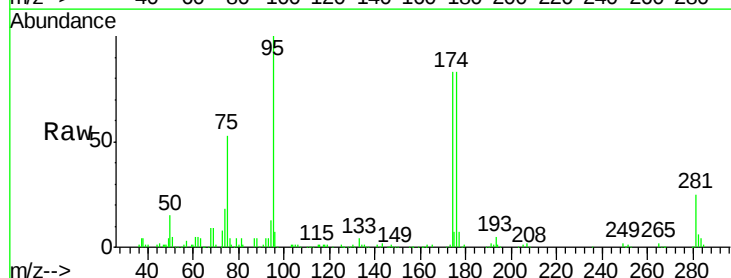
Tgt Ion: 95 Resp: 217039

Ion Ratio Lower Upper

95 100

174 85.7 0.0 175.2

176 83.9 0.0 168.6





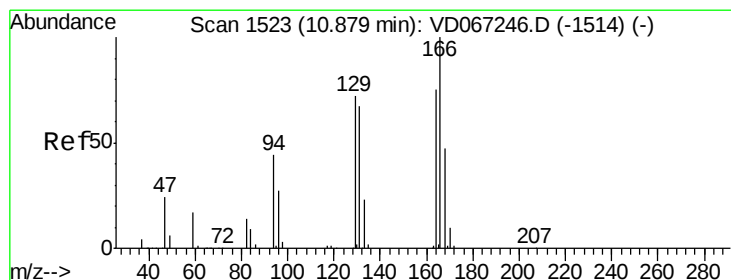
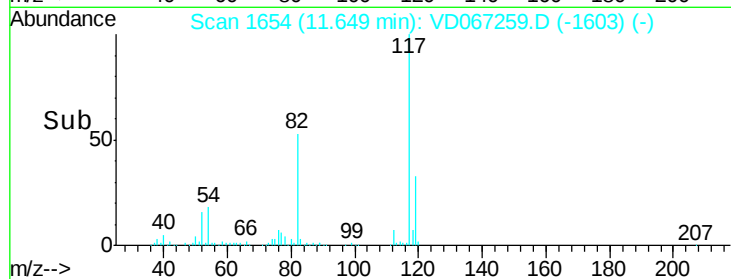
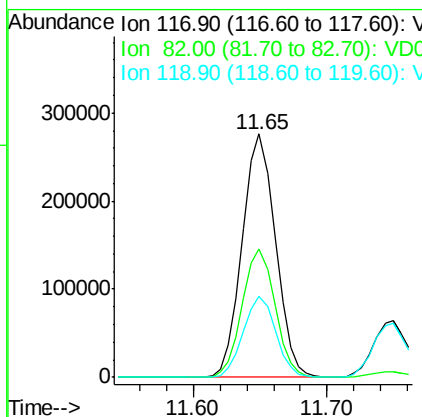
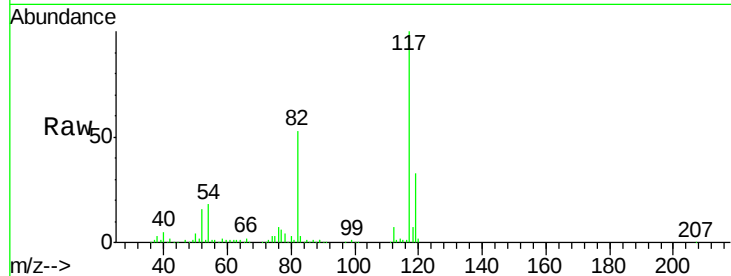
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	479625		
82	52.7		39.9	59.9
119	33.0		24.9	37.3

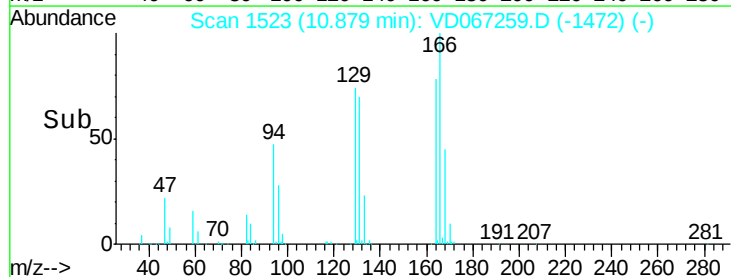
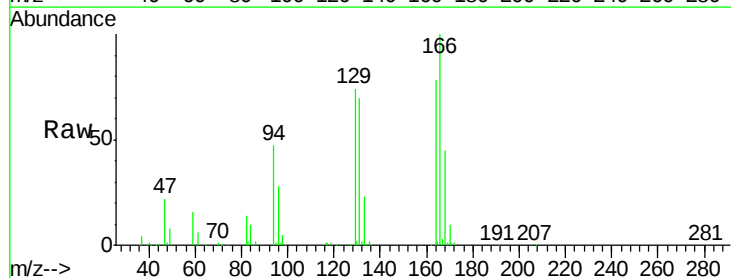
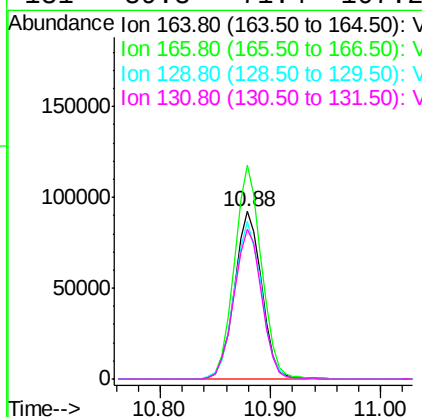
Manual Integrations
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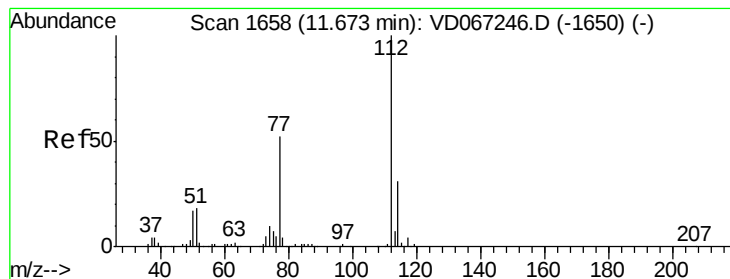
MMDadoda
10/14/2020 2:10:30 PM



#64
Tetrachloroethene
Concen: 45.953 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159689		
166	127.6		107.3	160.9
129	94.4		77.3	115.9
131	89.8		71.4	107.2





#65

Chlorobenzene

Concen: 48.397 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 445125

Ion Ratio Lower Upper

112 100

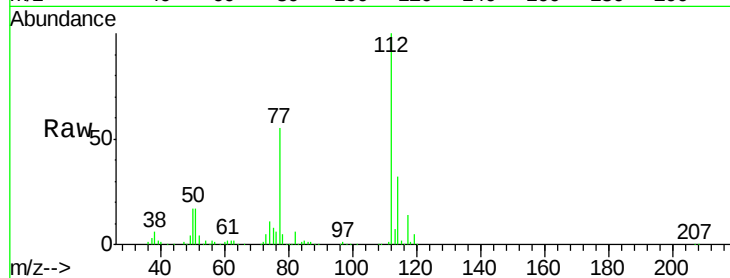
114 32.0 25.0 37.4

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

250000

200000

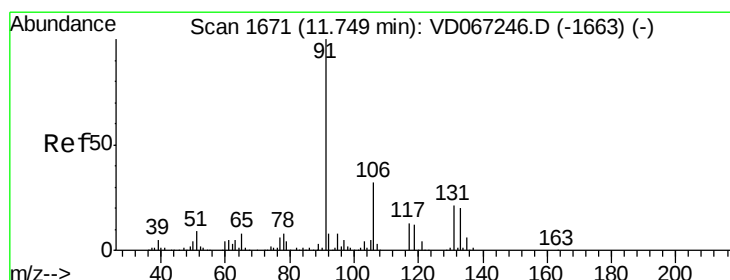
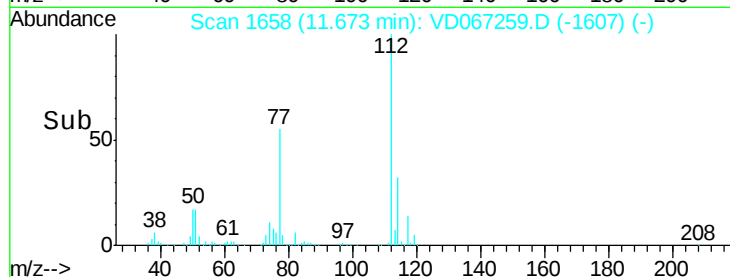
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.094 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

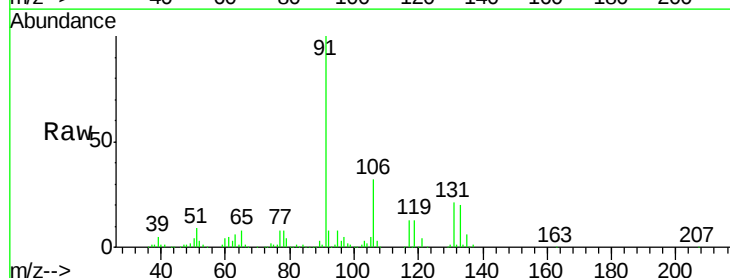
Tgt Ion:131 Resp: 179459

Ion Ratio Lower Upper

131 100

133 96.3 48.1 144.3

119 60.4 30.0 90.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

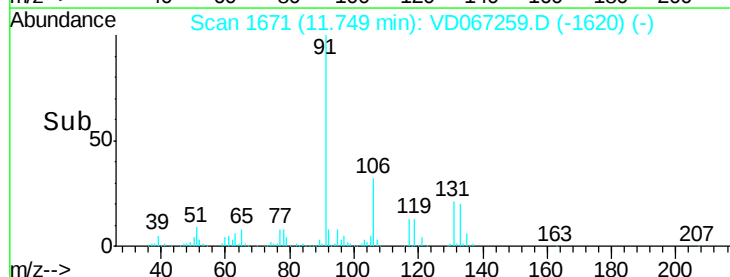
11.75

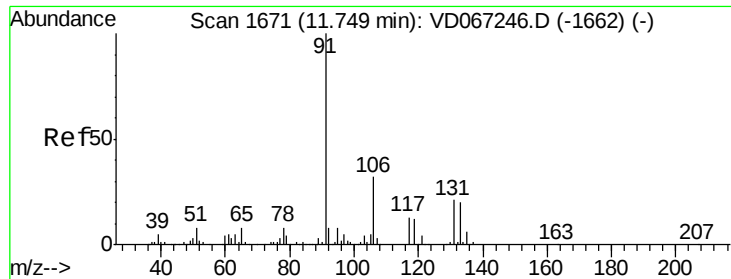
100000

50000

0

Time-->





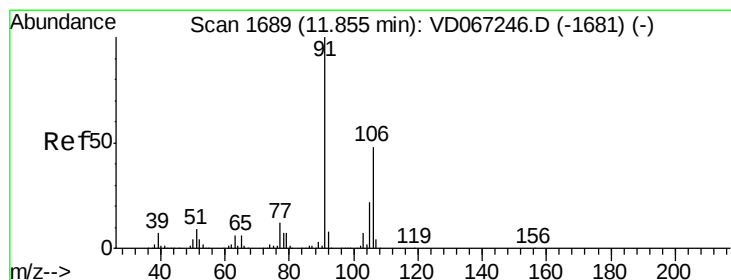
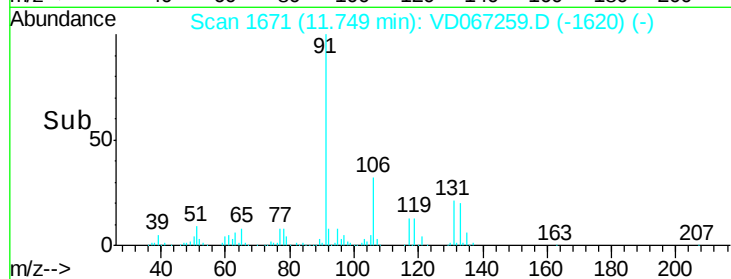
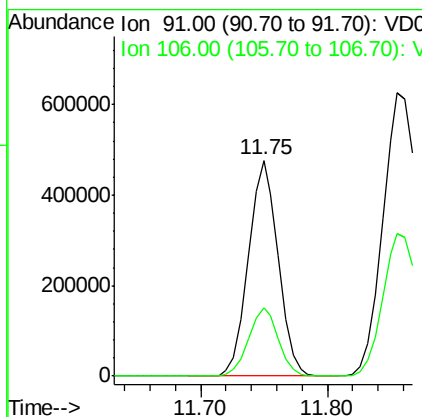
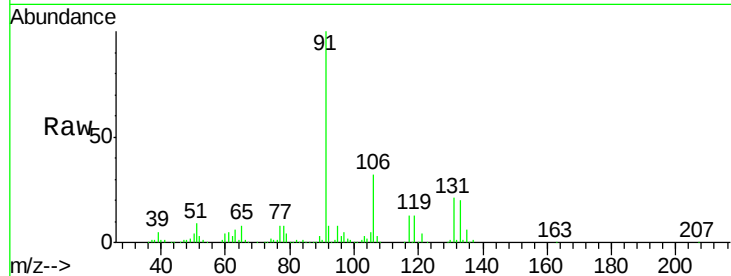
#67
Ethyl Benzene
Concen: 49.408 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 778966
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.0

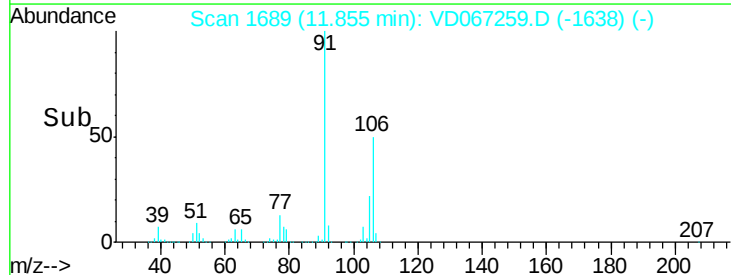
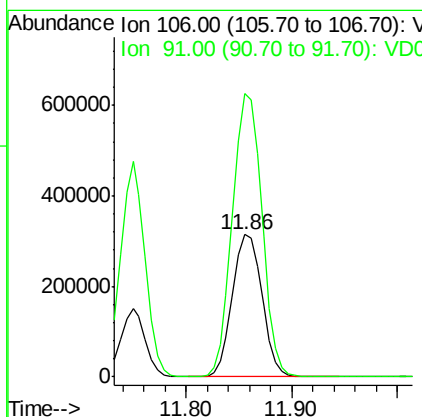
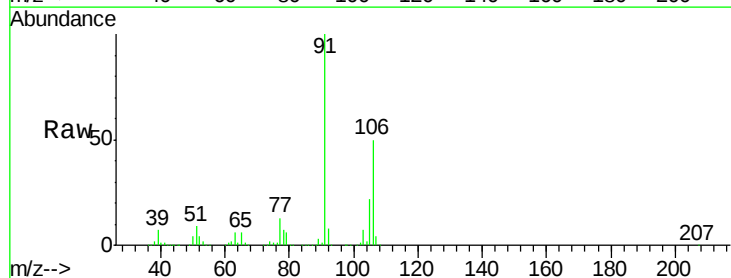
Manual Integrations
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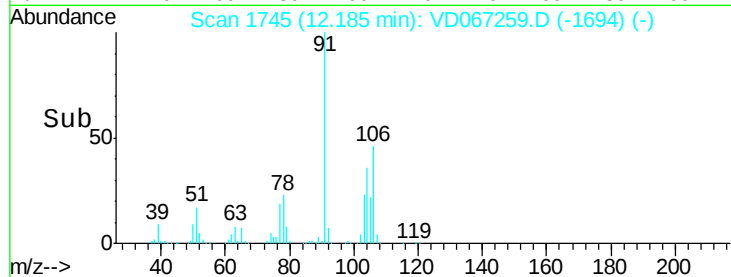
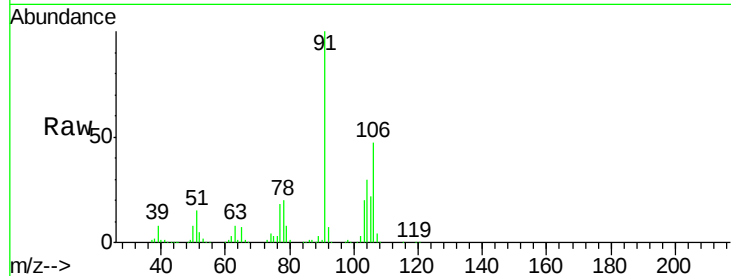
MMDadoda
10/14/2020 2:10:30 PM



#68
m/p-Xylenes
Concen: 100.738 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion: 106 Resp: 611603
Ion Ratio Lower Upper
106 100
91 198.4 163.8 245.8





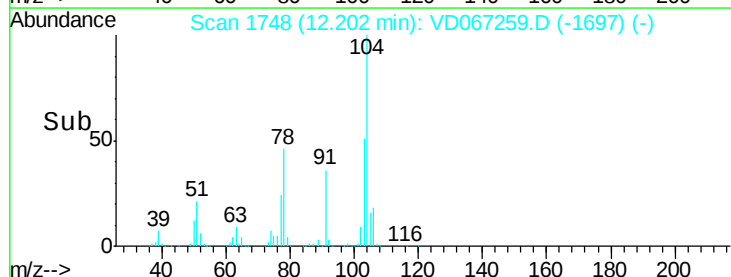
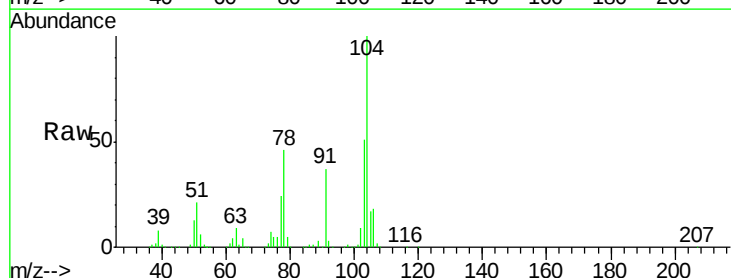
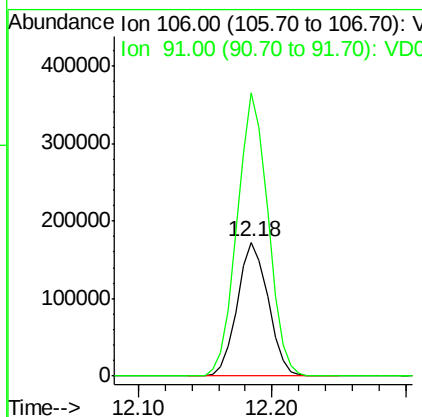
#69
o-Xylene
Concen: 49.099 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tot Ion:106 Resp: 276036
Ion Ratio Lower Upper
106 100
91 212.0 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

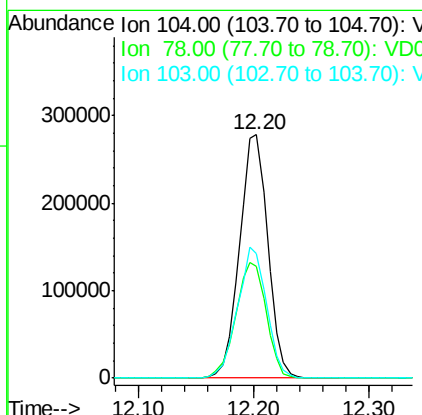
Manual Integrations
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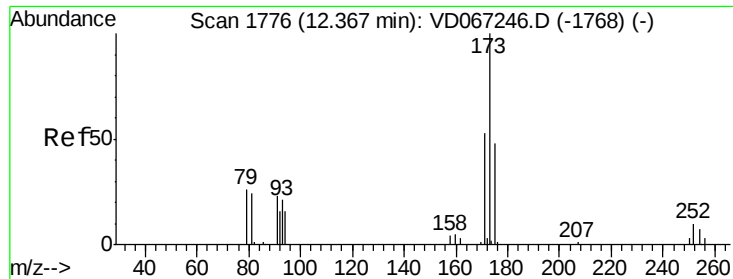
MMDadoda
10/14/2020 2:10:30 PM



#70
Styrene
Concen: 48.944 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion:104 Resp: 473672
Ion Ratio Lower Upper
104 100
78 51.2 39.8 59.6
103 55.3 42.6 64.0





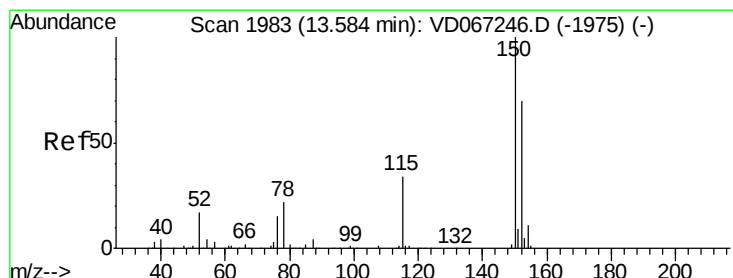
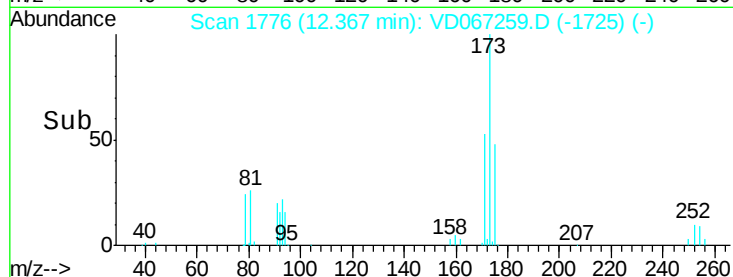
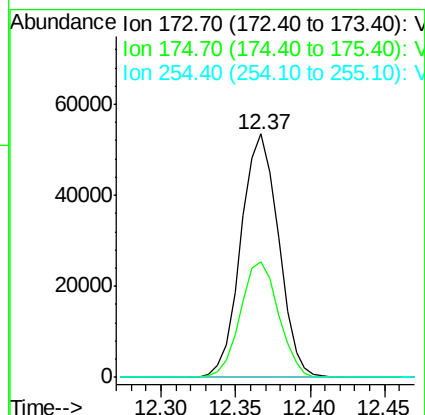
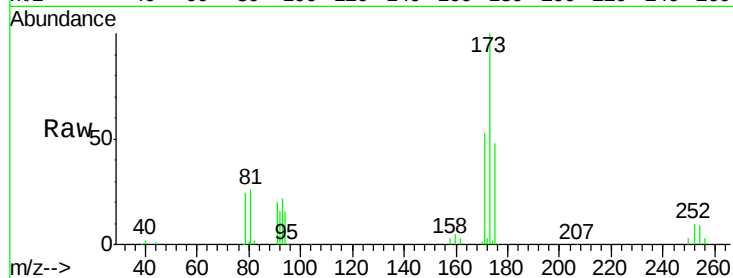
#71
Bromoform
Concen: 47.660 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.2	72.6
254	0.0	0.1	0.1#

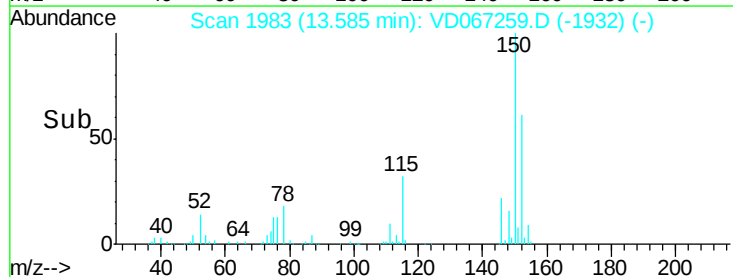
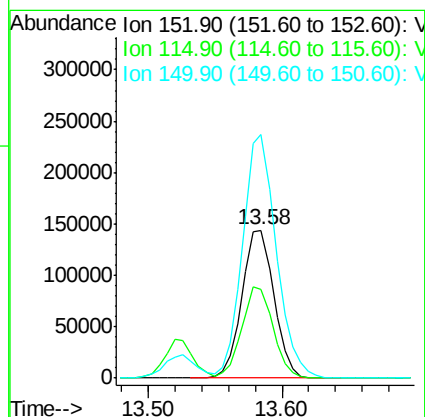
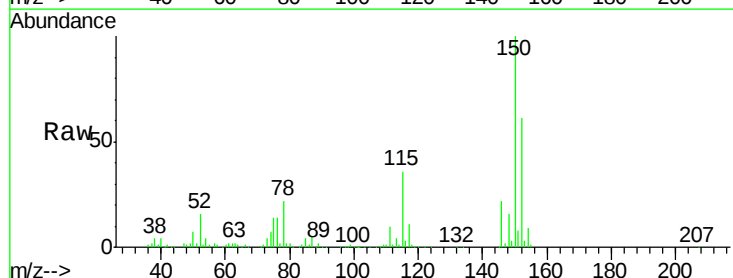
Manual Integrations
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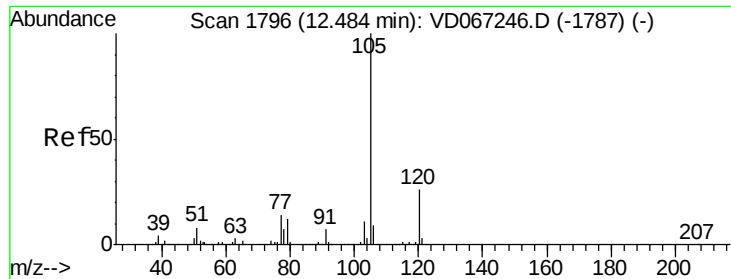
MMDadoda
10/14/2020 2:10:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	29.3	87.9
150	172.6	0.0	339.0





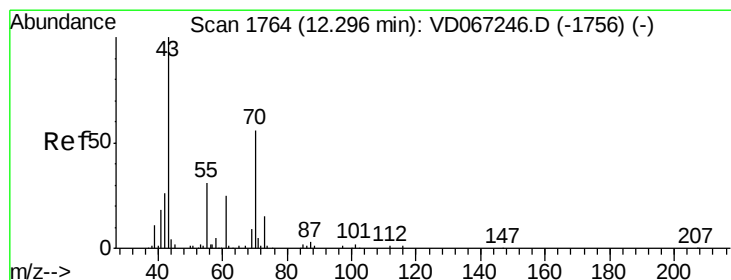
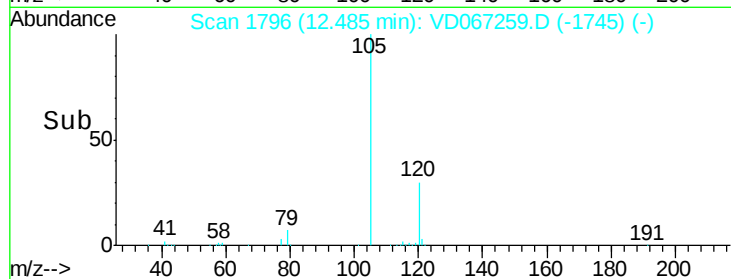
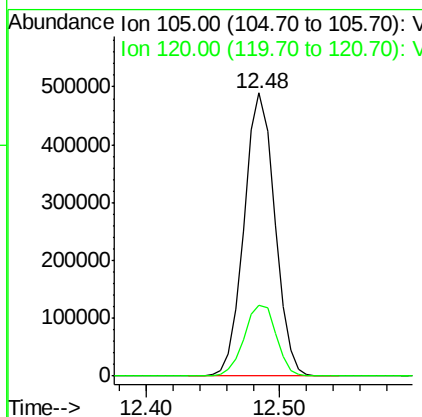
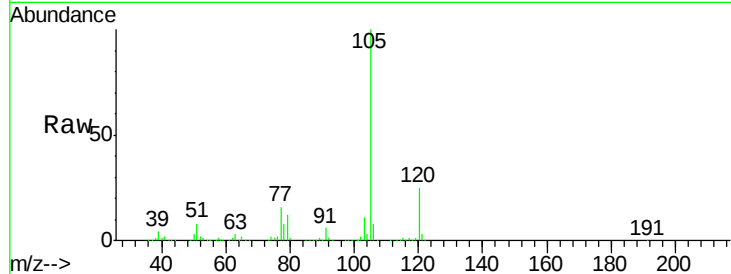
#73
Isopropylbenzene
Concen: 51.204 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.8

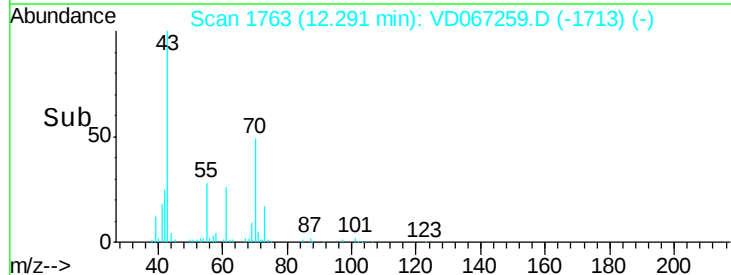
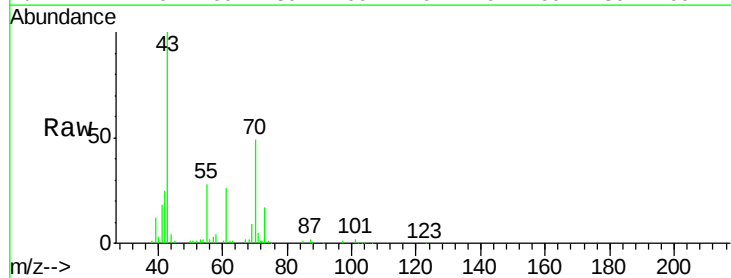
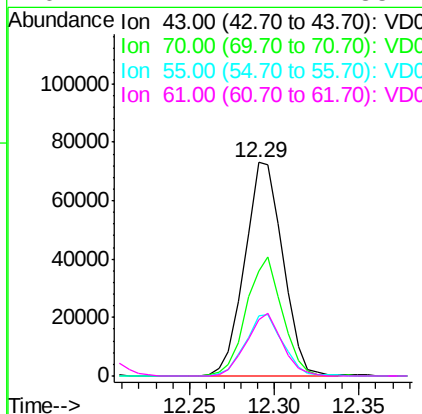
Manual Integrations
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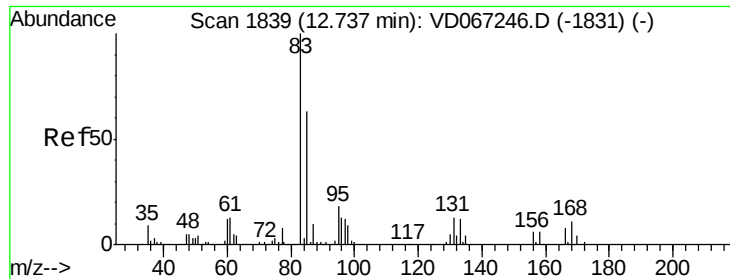
MMDadoda
10/14/2020 2:10:30 PM



#74
N-ethyl acetate
Concen: 50.209 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.5	42.7	64.1
55	28.3	24.0	36.0
61	27.4	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.954 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

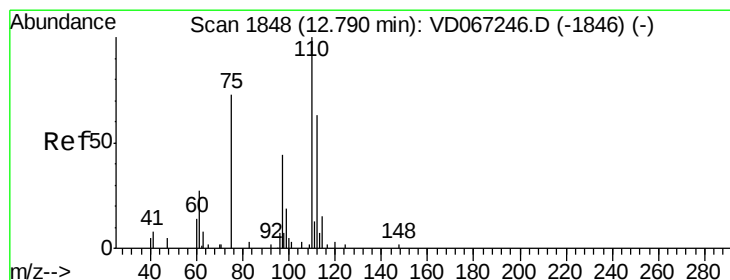
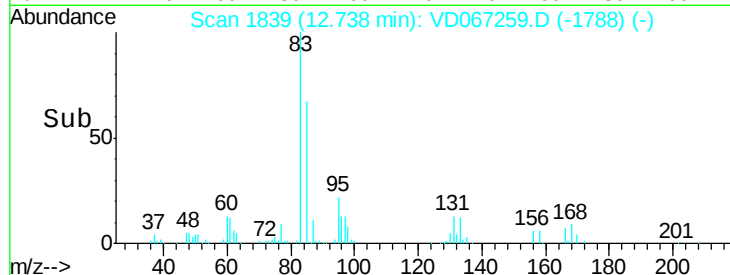
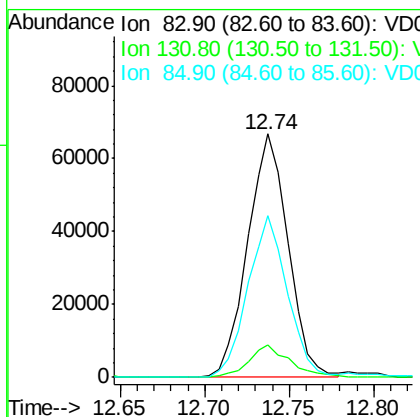
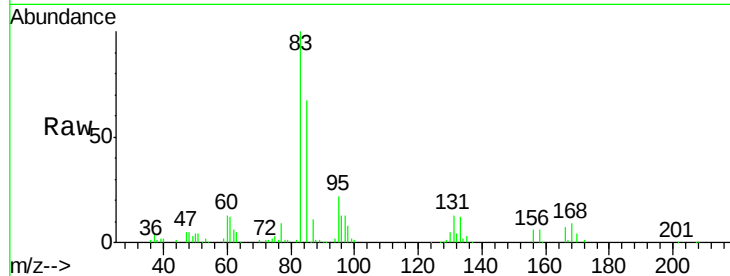
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	111356
Ion	Ratio	Lower	Upper
83	100		
131	13.7	6.5	19.5
85	64.8	32.6	97.7

Manual Integrations
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10/14/2020 2:10:30 PM



#76

1,2,3-Trichloropropane

Concen: 42.667 ug/l m

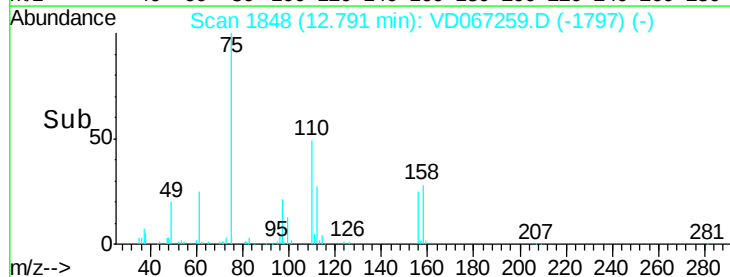
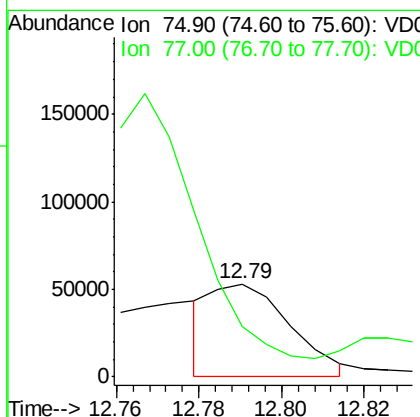
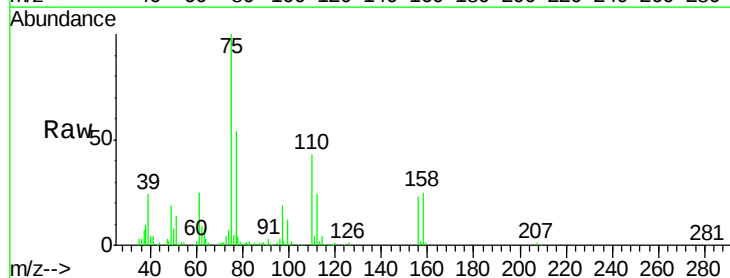
RT: 12.79 min Scan# 1848

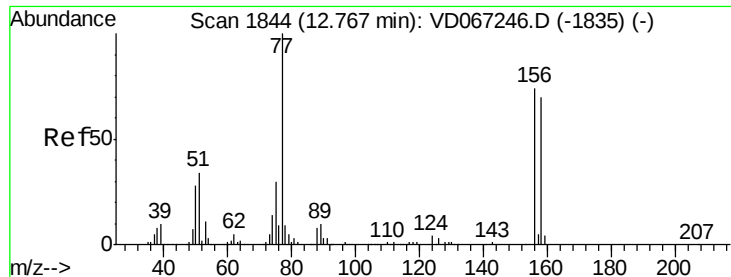
Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Tgt Ion:	75	Resp:	70617
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.220 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Instrument :

MSVOA_D

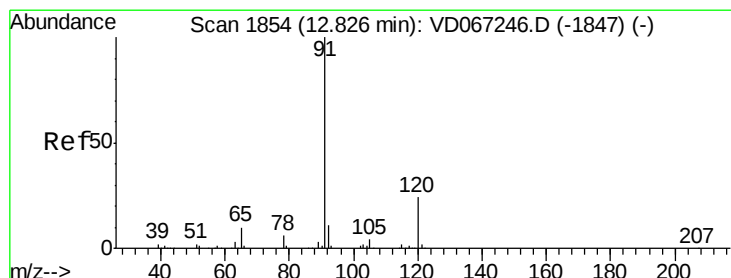
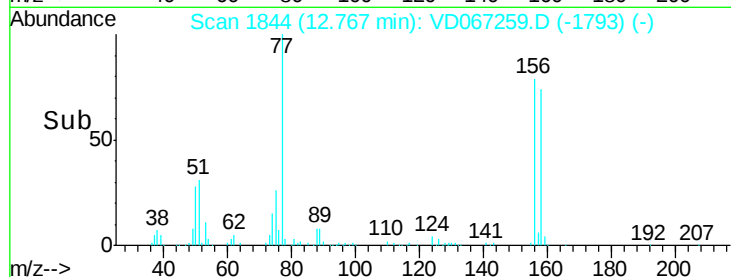
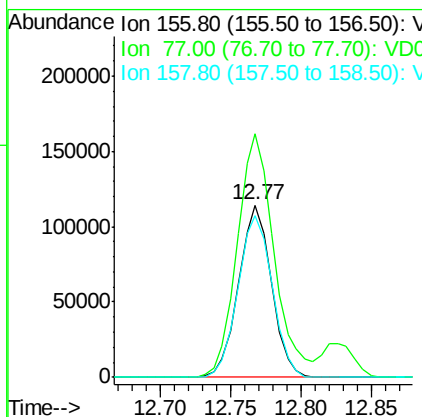
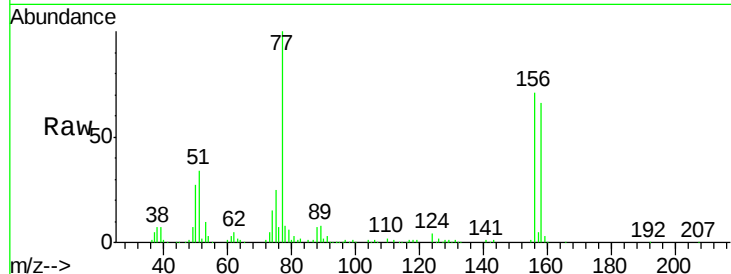
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	185971
Ion Ratio	Lower	Upper	
156	100		
77	158.8	78.0	233.8
158	98.5	49.1	147.3

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#78

n-propylbenzene

Concen: 50.572 ug/l

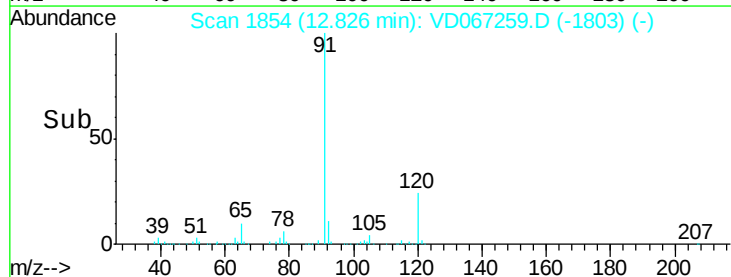
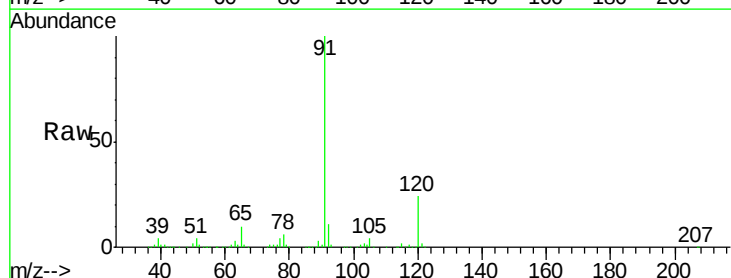
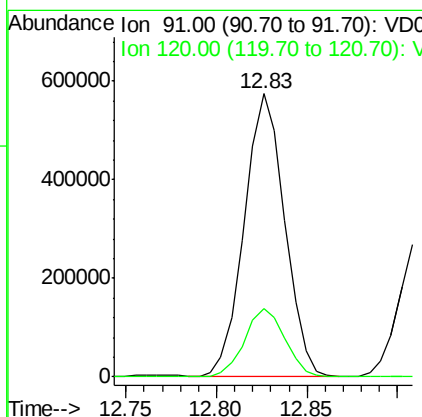
RT: 12.83 min Scan# 1854

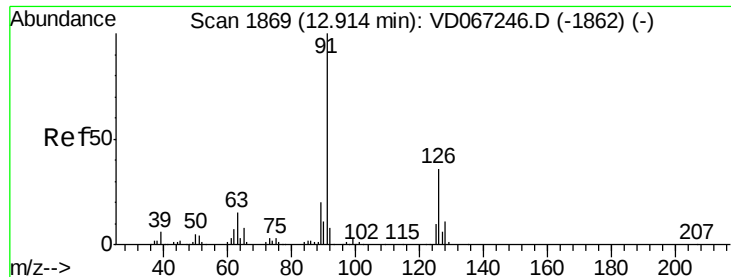
Delta R.T. 0.00 min

Lab File: VD067259.D

Acq: 13 Oct 2020 18:25

Tgt Ion:	91	Resp:	888013
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.9	35.9





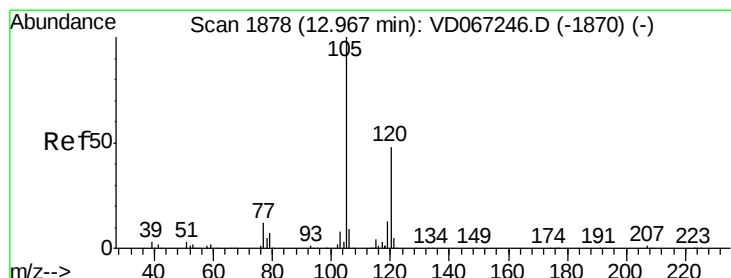
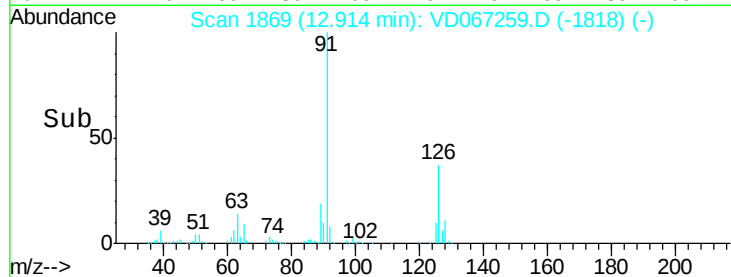
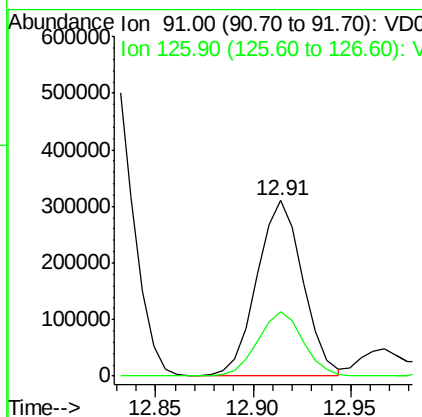
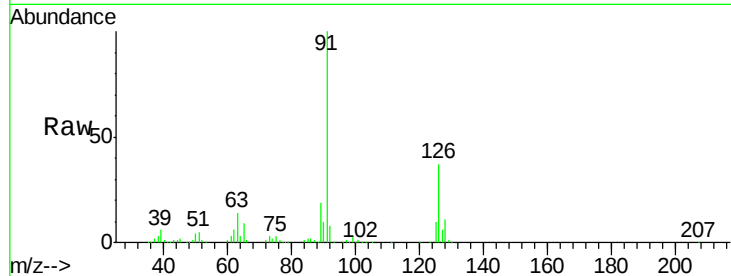
#79
 2-Chlorotoluene
 Concen: 49.624 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 505321
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.6 52.8

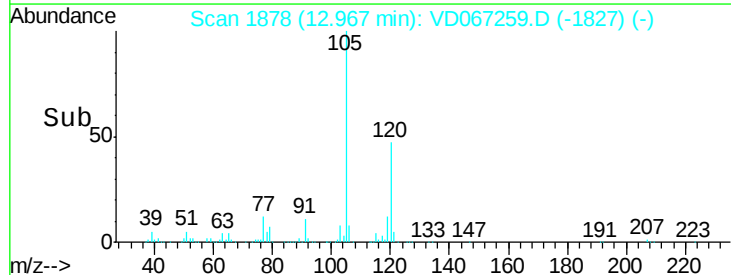
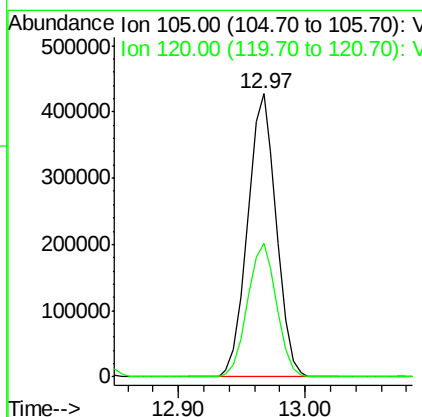
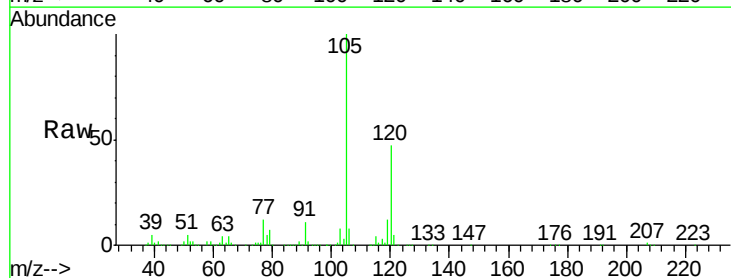
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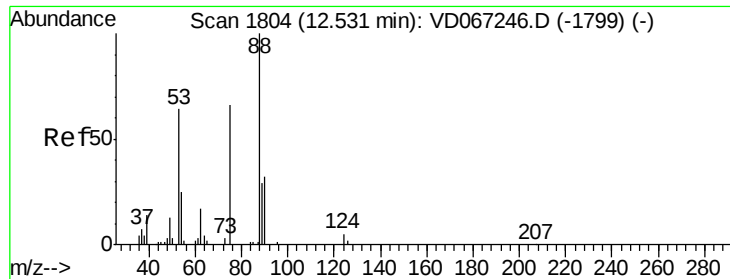
MMDadoda
 10/14/2020 2:10:30 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.919 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Tgt Ion: 105 Resp: 670599
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.3 72.8





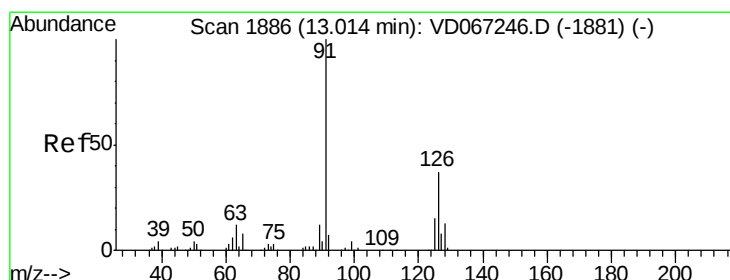
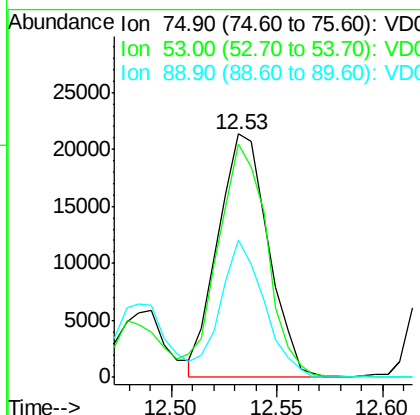
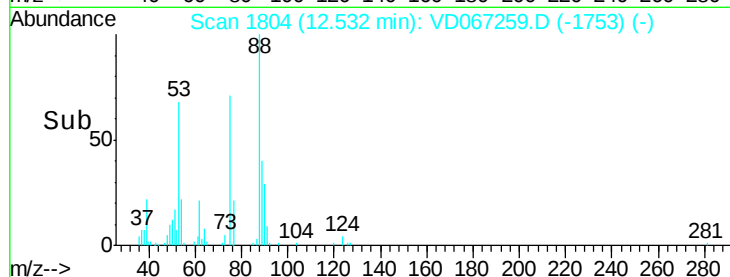
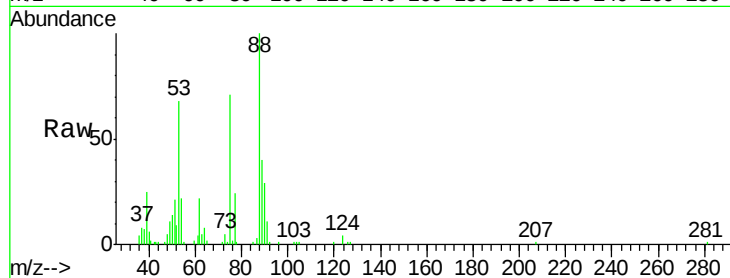
#81
trans-1,4-Dichloro-2-butene
Concen: 48.332 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	78.5	117.7
89	49.1	39.9	59.9

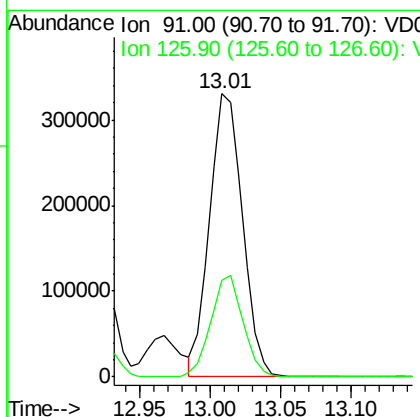
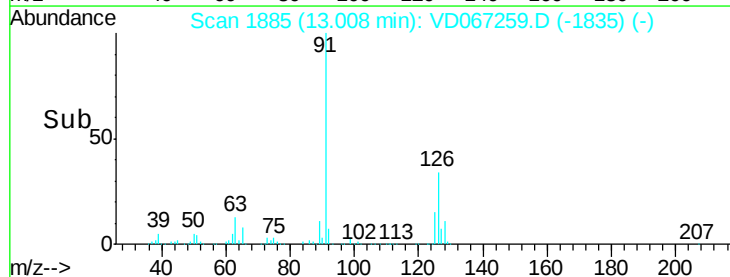
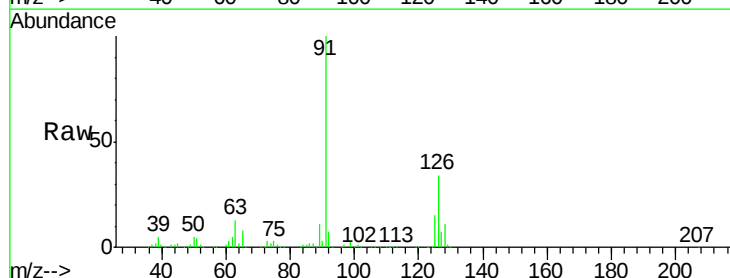
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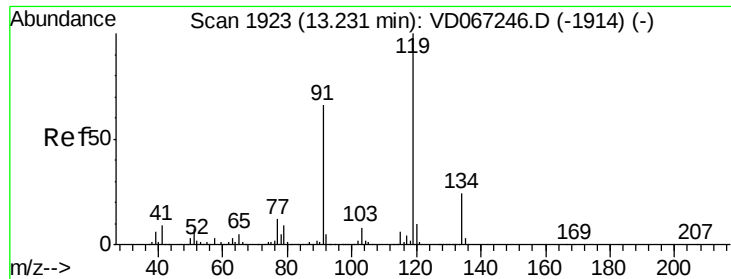
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.525 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.5





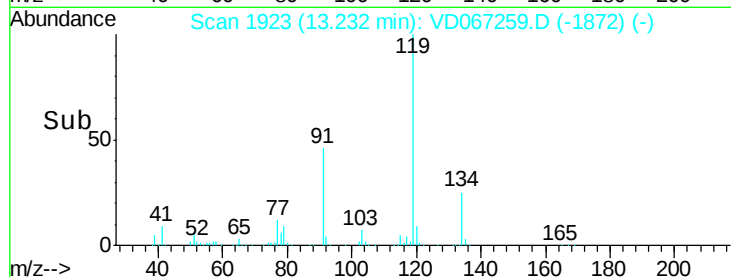
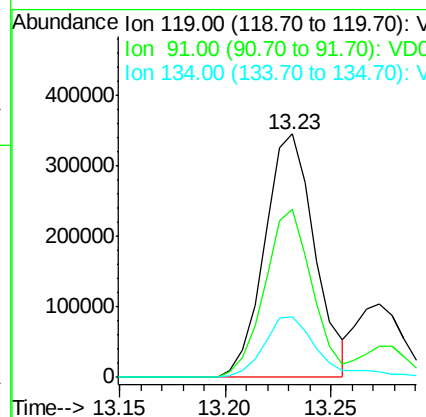
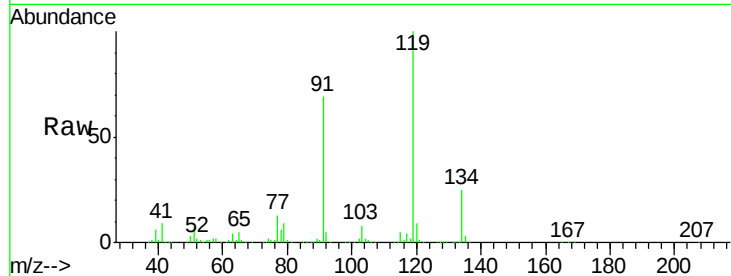
#83
 tert-Butylbenzene
 Concen: 51.406 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	571886		
91	65.4		33.1	99.2
134	26.9		13.3	39.9

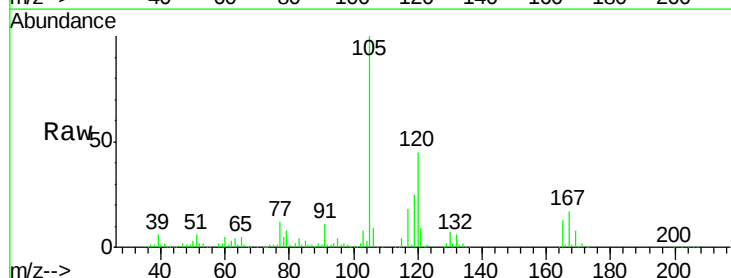
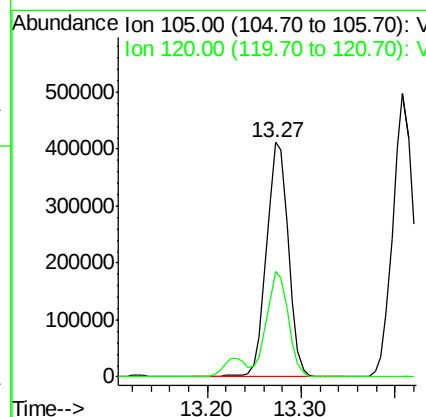
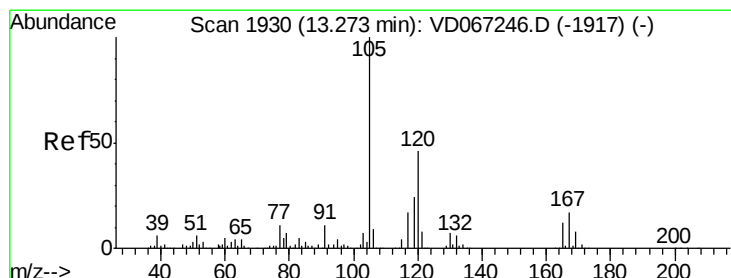
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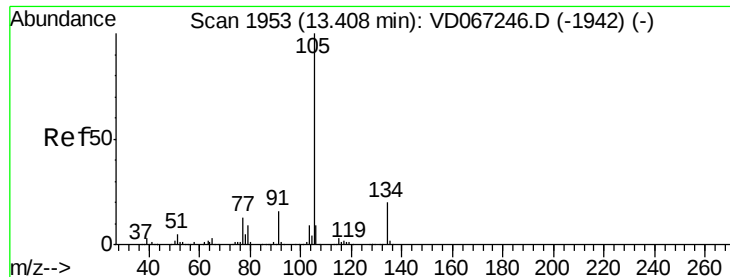
MMDadoda
 10/14/2020 2:10:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.886 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	662367		
120	45.0		22.4	67.3





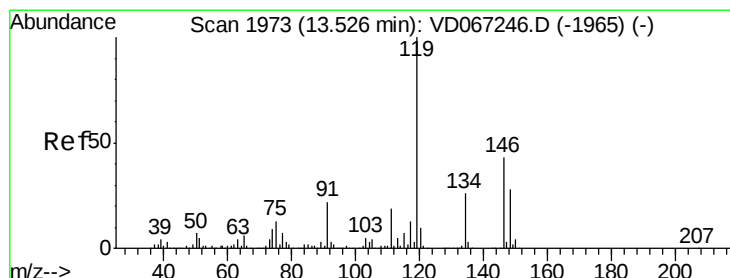
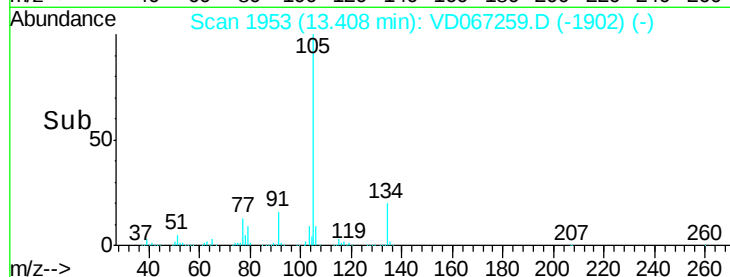
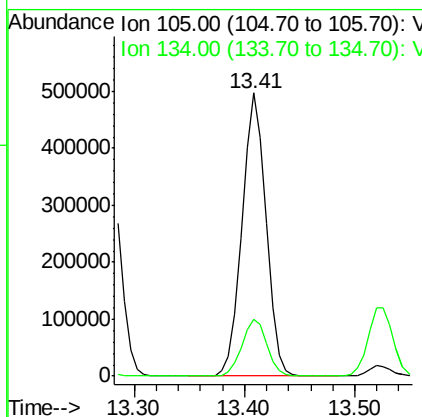
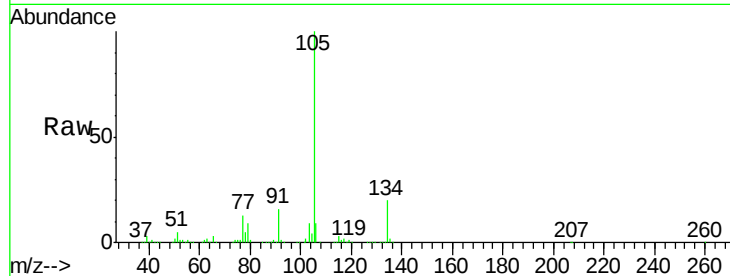
#85
 sec-Butylbenzene
 Concen: 49.713 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.5	31.5

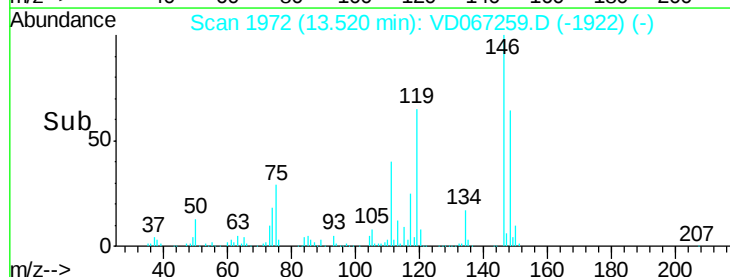
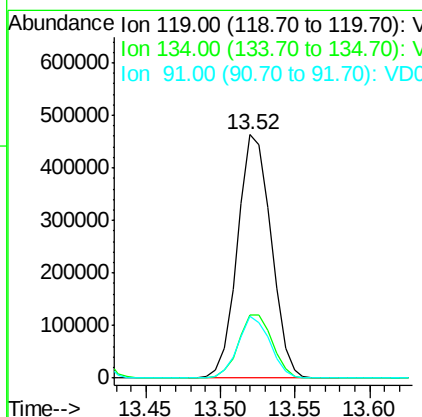
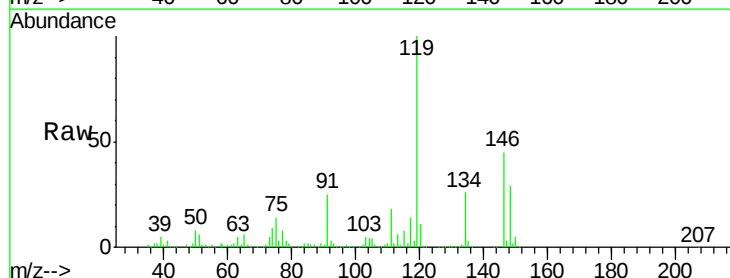
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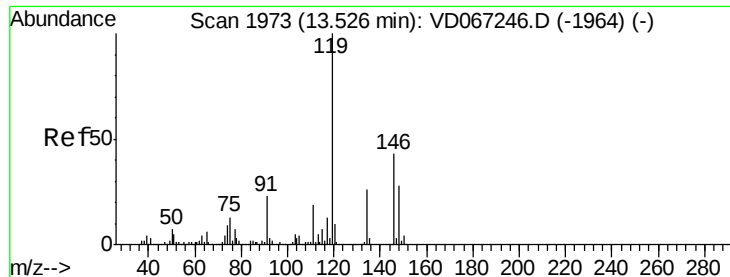
MMDadoda
 10/14/2020 2:10:30 PM



#86
 p-Isopropyltoluene
 Concen: 50.362 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.3
91	24.0	11.9	35.9





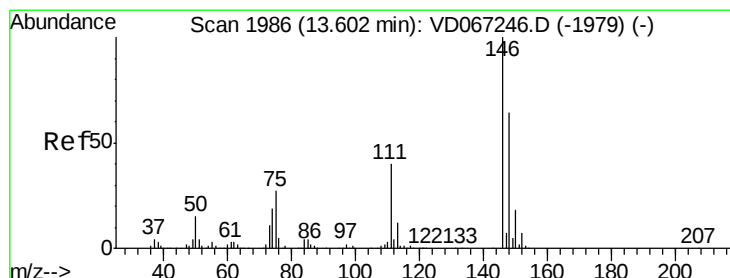
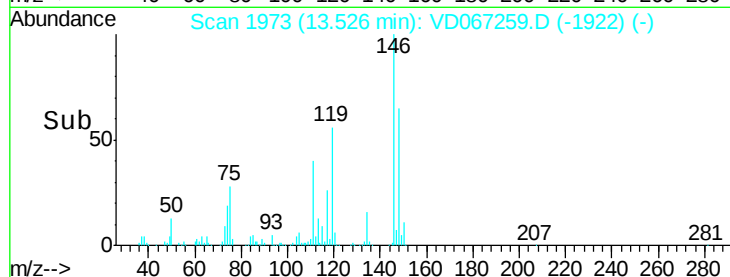
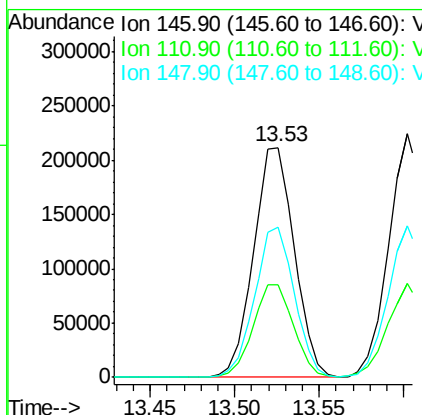
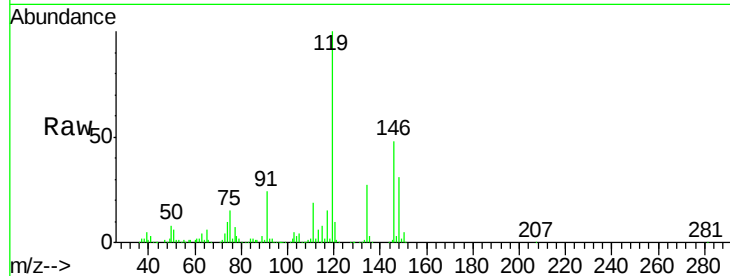
#87
 1,3-Dichlorobenzene
 Concen: 48.742 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.1	63.3
148	63.7	31.9	95.9

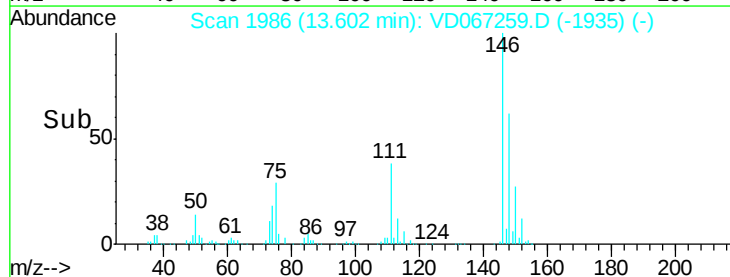
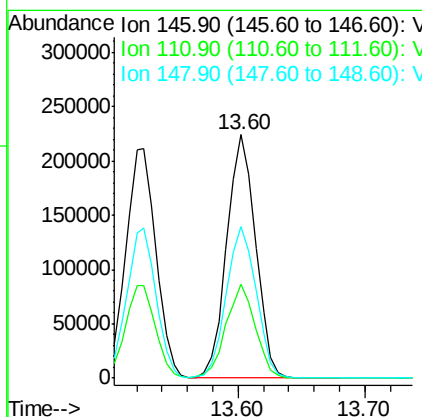
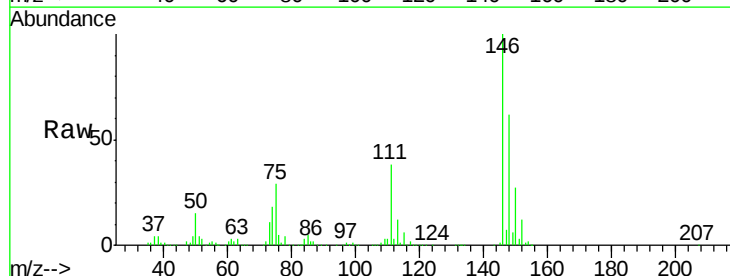
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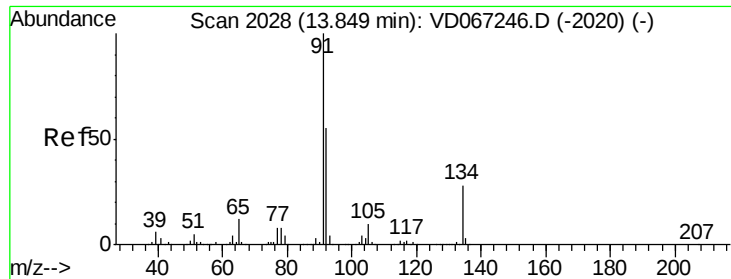
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#88
 1,4-Dichlorobenzene
 Concen: 48.827 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.7
148	64.5	31.9	95.9





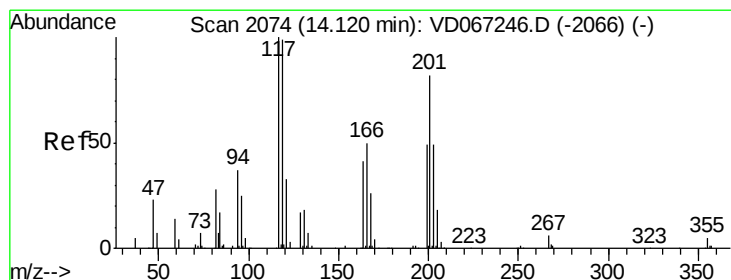
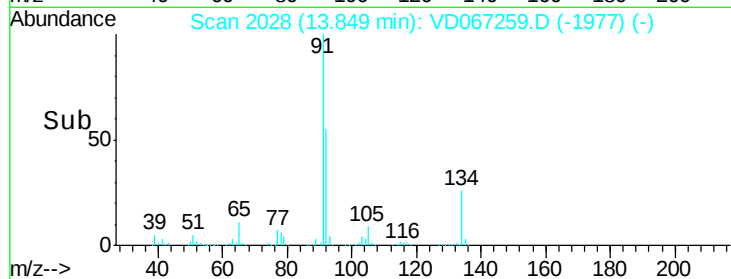
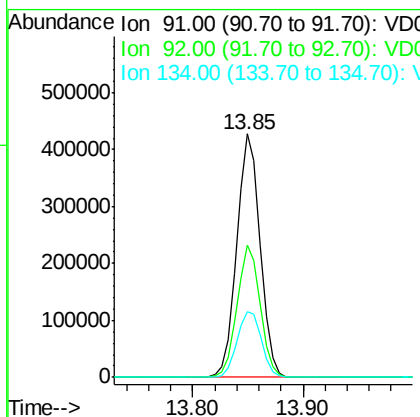
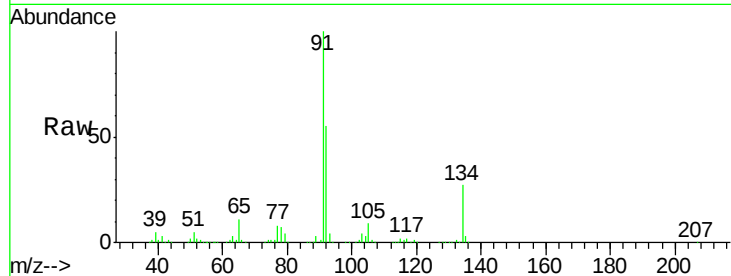
#89
n-Butylbenzene
Concen: 50.098 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.0
134	28.2	14.2	42.6

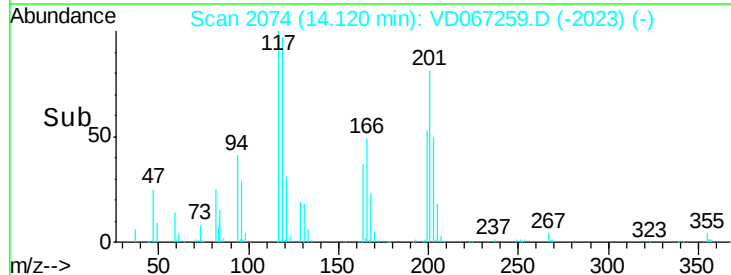
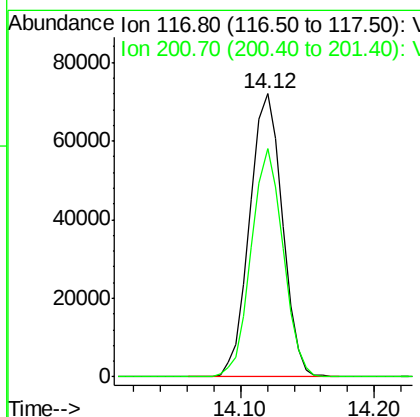
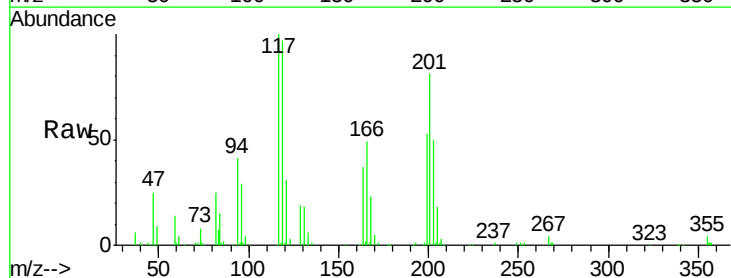
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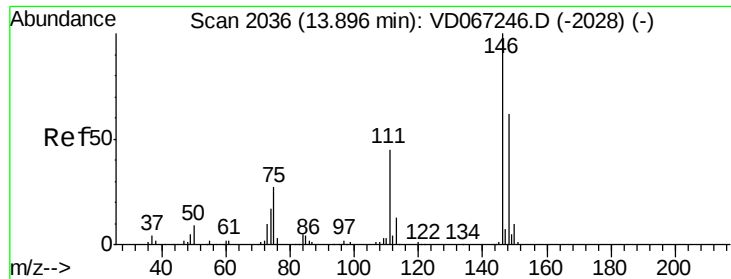
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#90
Hexachloroethane
Concen: 48.503 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	40.8	122.2





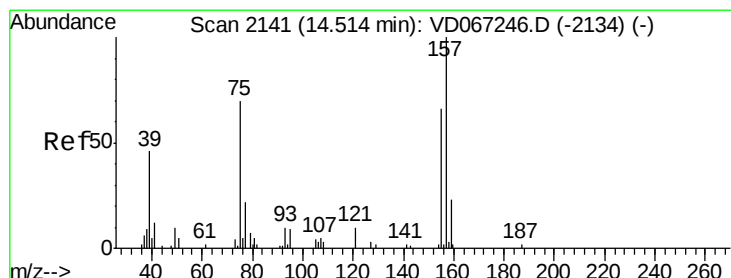
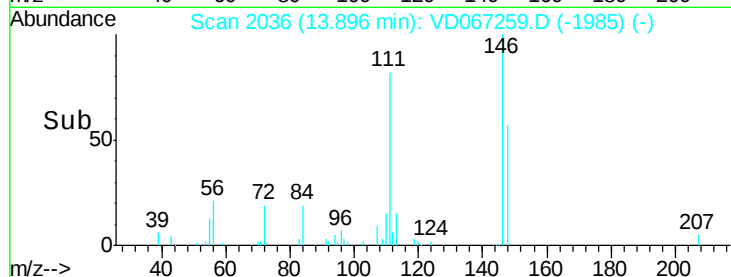
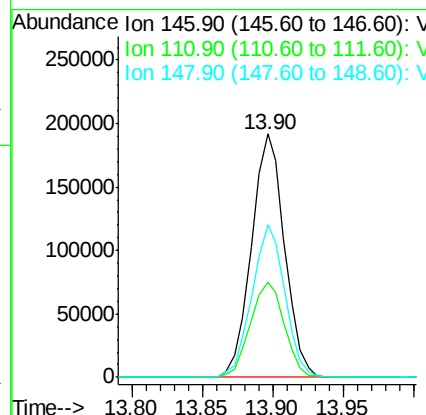
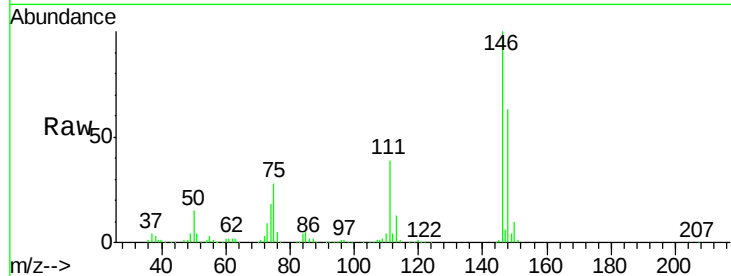
#91
 1,2-Dichlorobenzene
 Concen: 49.525 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	22.0	66.0
148	62.8	32.5	97.5

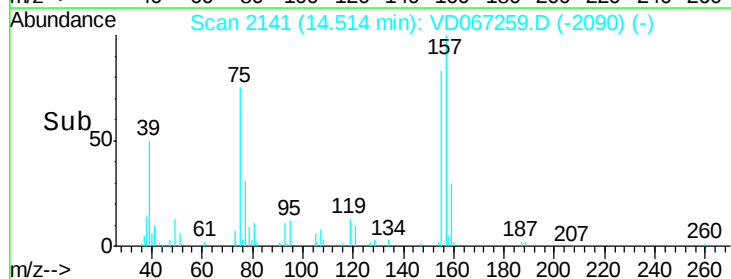
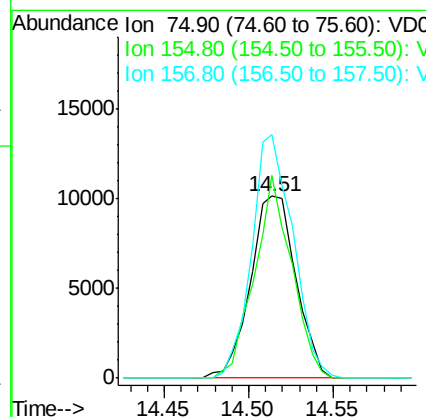
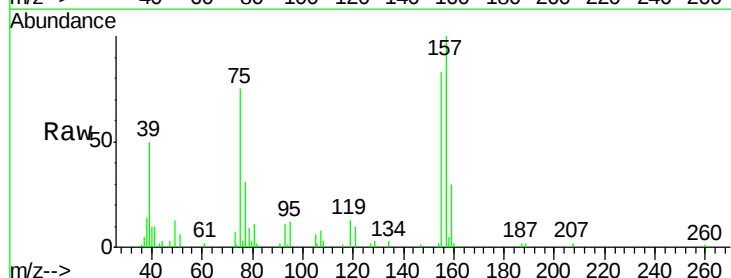
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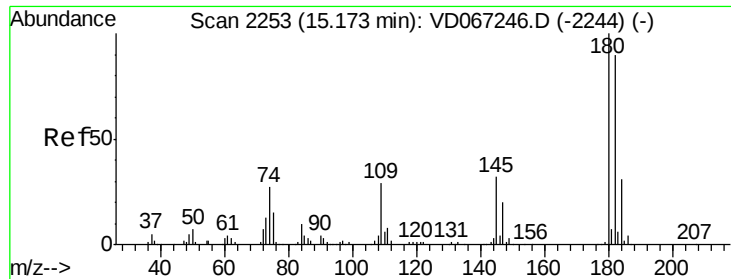
MMDadoda
 10/14/2020 2:10:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.886 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	44.8	134.4
157	121.9	62.5	187.4





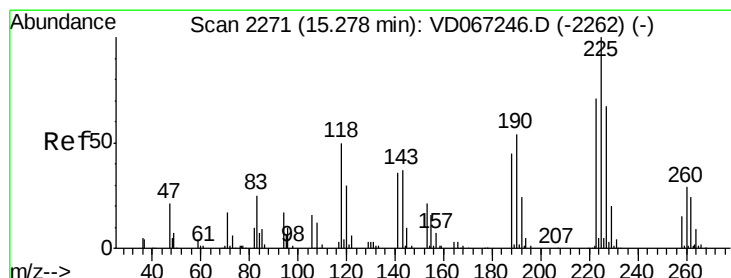
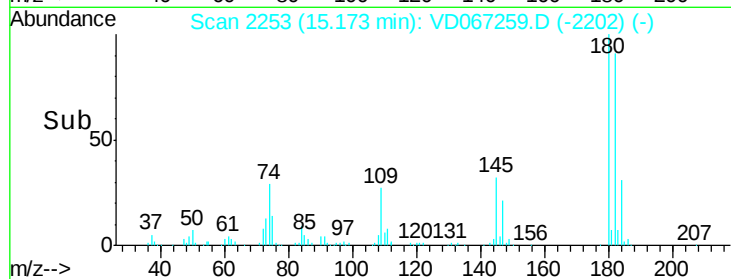
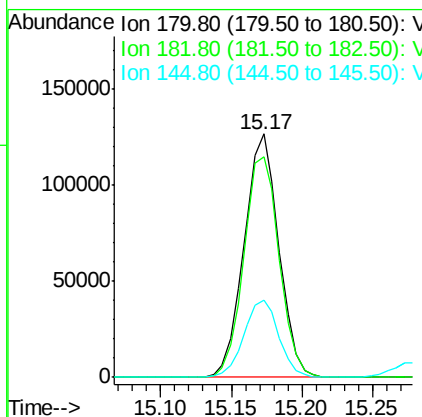
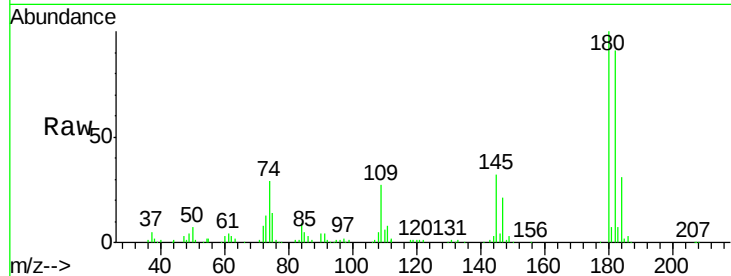
#93
 1,2,4-Trichlorobenzene
 Concen: 50.706 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	217201
Ion Ratio	Lower	Upper	
180	100		
182	92.8	48.1	144.4
145	32.3	16.3	48.9

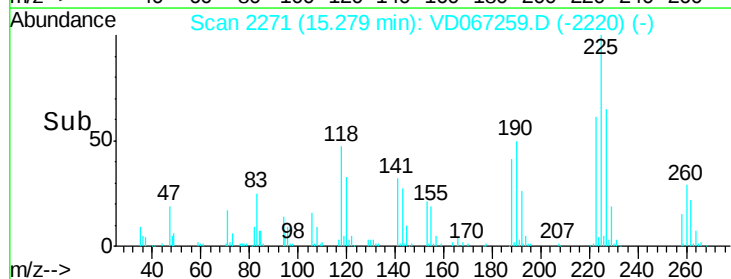
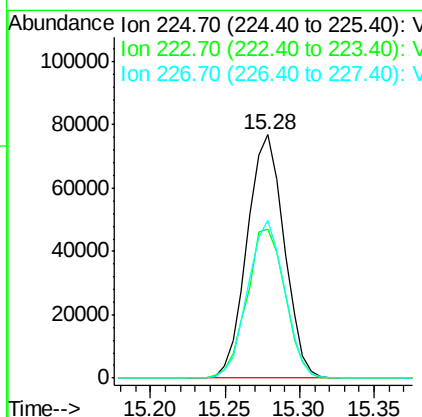
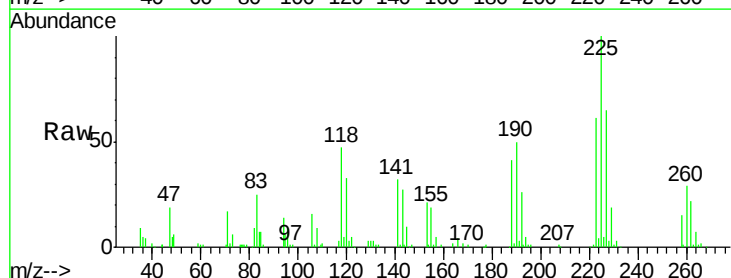
Manual Integrations
 APPROVED

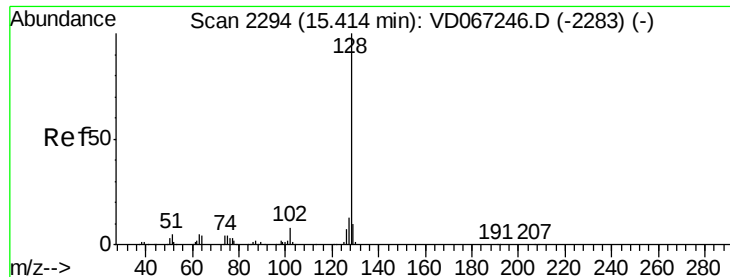
MMDadoda
 10/14/2020 2:10:30 PM



#94
 Hexachlorobutadiene
 Concen: 49.738 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067259.D
 Acq: 13 Oct 2020 18:25

Tgt Ion:	225	Resp:	132302
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.9	95.7
227	63.7	31.2	93.6





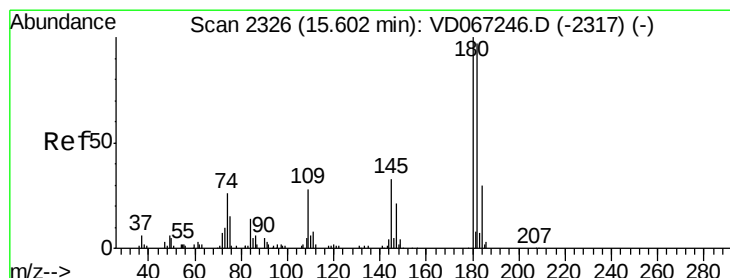
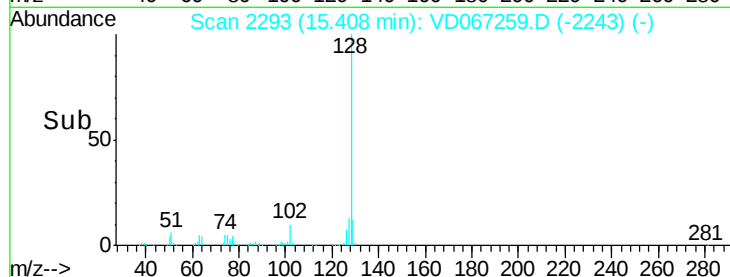
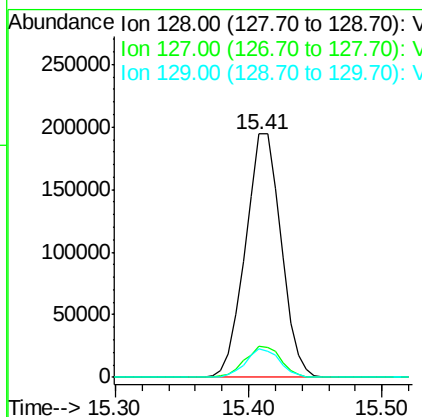
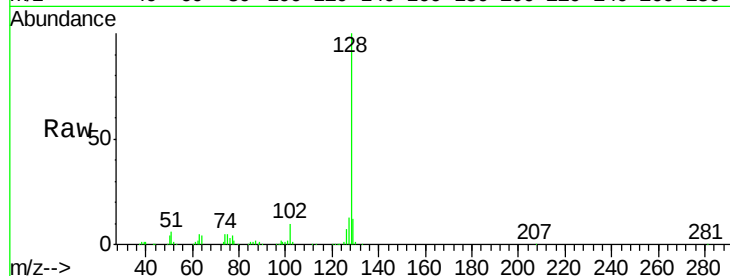
#95
Naphthalene
Concen: 51.064 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	359118		
127	13.1		10.4	15.6
129	11.3		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:10:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.054 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067259.D
Acq: 13 Oct 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	185227		
182	96.4		48.1	144.3
145	35.1		17.3	51.9

