

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067316.D
 Acq On : 20 Oct 2020 11:39
 Operator : VA/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Manual Integrations
 APPROVED

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 10/21/2020 2:51:58 PM

Quant Time: Oct 21 02:04:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	327427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	490933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	455586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	229391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	151802	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
35) Dibromofluoromethane	7.92	113	158607	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.34	98	576690	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.64	95	202702	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56830	18.903	ug/l	98
3) Chloromethane	2.21	50	40067	19.444	ug/l	97
4) Vinyl Chloride	2.35	62	44301	19.594	ug/l	89
5) Bromomethane	2.76	94	37061	22.251	ug/l	87
6) Chloroethane	2.92	64	28813	20.462	ug/l	92
7) Trichlorofluoromethane	3.27	101	117129	20.573	ug/l	93
8) Diethyl Ether	3.71	74	25745	19.761	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	59915	19.808	ug/l	97
10) Methyl Iodide	4.30	142	56648	20.302	ug/l	97
11) Tert butyl alcohol	5.21	59	15925	58.437	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	53199	19.686	ug/l	90
13) Acrolein	3.92	56	10434	70.273	ug/l	95
14) Allyl chloride	4.71	41	60150	19.437	ug/l	99
15) Acrylonitrile	5.42	53	41205	94.789	ug/l	98
16) Acetone	4.16	43	41655	90.671	ug/l	92
17) Carbon Disulfide	4.41	76	151300	19.640	ug/l	97
18) Methyl Acetate	4.72	43	20179	19.257	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	102329	19.044	ug/l	99
20) Methylene Chloride	4.97	84	65146	19.390	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	62832	20.205	ug/l	89
22) Diisopropyl ether	6.37	45	117002	20.697	ug/l	97
23) Vinyl Acetate	6.31	43	318749	99.107	ug/l	100
24) 1,1-Dichloroethane	6.26	63	99442	20.549	ug/l	96
25) 2-Butanone	7.21	43	50207	95.873	ug/l #	85
26) 2,2-Dichloropropane	7.21	77	100434	20.136	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	66821	19.606	ug/l	95
28) Bromochloromethane	7.55	49	31715	19.214	ug/l #	99
29) Tetrahydrofuran	7.57	42	26878	92.331	ug/l	92
30) Chloroform	7.71	83	115086	19.908	ug/l	88
31) Cyclohexane	7.99	56	73234	19.383	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	115910	20.435	ug/l	99
36) 1,1-Dichloropropene	8.11	75	82177	19.749	ug/l	99
37) Ethyl Acetate	7.30	43	24308	19.856	ug/l	97
38) Carbon Tetrachloride	8.10	117	107121	20.143	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	85648	19.689	ug/l	97
40) Benzene	8.36	78	231743	20.301	ug/l	98
41) Methacrylonitrile	7.53	41	15220	23.006	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	70540	19.746	ug/l	97
43) Isopropyl Acetate	8.46	43	47010	19.352	ug/l	96
44) Trichloroethene	9.11	130	73972	20.239	ug/l	90
45) 1,2-Dichloropropane	9.39	63	53444	20.201	ug/l	93
46) Dibromomethane	9.48	93	32441	19.681	ug/l	96
47) Bromodichloromethane	9.66	83	88961	20.144	ug/l	97
48) Methyl methacrylate	9.46	41	21983	18.622	ug/l #	88
49) 1,4-Dioxane	9.47	88	6342	378.717	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	118217	97.570	ug/l	96
52) Toluene	10.41	92	159016	20.452	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	80331	20.707	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	92040	20.272	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	44654	19.866	ug/l	97
56) Ethyl methacrylate	10.66	69	44502	19.090	ug/l	98
57) 1,3-Dichloropropane	10.95	76	70867	19.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	122861	102.738	ug/l	98
59) 2-Hexanone	10.99	43	77914	94.107	ug/l	98
60) Dibromochloromethane	11.14	129	64440	19.659	ug/l	97
61) 1,2-Dibromoethane	11.25	107	44952	20.286	ug/l	99
64) Tetrachloroethene	10.88	164	63444	19.220	ug/l	99
65) Chlorobenzene	11.67	112	178438	20.425	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	70724	20.369	ug/l	99
67) Ethyl Benzene	11.75	91	302922	20.227	ug/l	96
68) m/p-Xylenes	11.86	106	237916	41.255	ug/l	99
69) o-Xylene	12.18	106	105675	19.788	ug/l	97
70) Styrene	12.20	104	186317	20.268	ug/l	99
71) Bromoform	12.37	173	37433	20.067	ug/l #	99
73) Isopropylbenzene	12.48	105	298468	20.501	ug/l	98
74) N-amyl acetate	12.29	43	41073	18.679	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	41940	18.801	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	33427m	21.025	ug/l	
77) Bromobenzene	12.77	156	73463	20.240	ug/l	97
78) n-propylbenzene	12.83	91	349582	20.724	ug/l	99
79) 2-Chlorotoluene	12.91	91	202678	20.719	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	265889	21.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	13158	18.768	ug/l	97
82) 4-Chlorotoluene	13.01	91	216318	20.835	ug/l	99
83) tert-Butylbenzene	13.23	119	220075	20.593	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	262134	20.964	ug/l	99
85) sec-Butylbenzene	13.41	105	298476	20.354	ug/l	99
86) p-Isopropyltoluene	13.52	119	286976	20.734	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	145236	20.789	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	144790	20.919	ug/l	98
89) n-Butylbenzene	13.85	91	250088	20.539	ug/l	99
90) Hexachloroethane	14.11	117	48516	20.087	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	123599	20.252	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7692	18.981	ug/l	90

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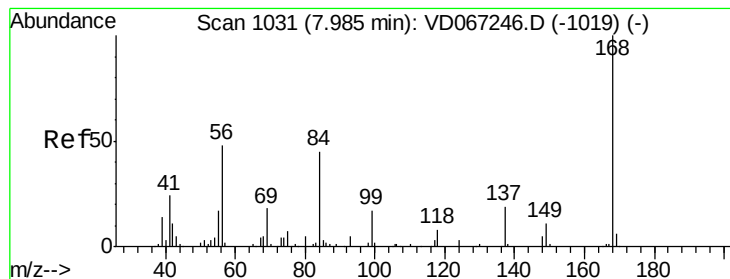
Manual Integrations
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10/21/2020 2:51:58 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83242	20.230	ug/l	98
94) Hexachlorobutadiene	15.27	225	50911	19.924	ug/l	98
95) Naphthalene	15.41	128	128133	18.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	72498	20.394	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion:168 Resp: 327427

Ion Ratio Lower Upper

168 100

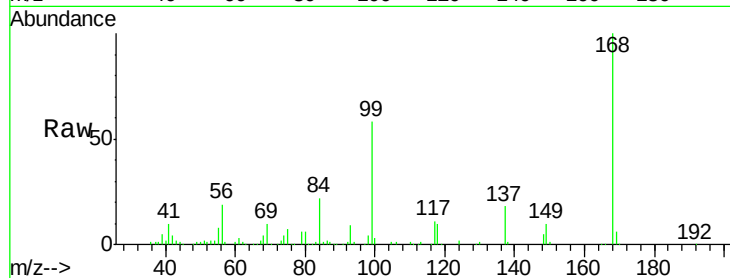
99 57.2 45.9 68.9

Manual Integrations

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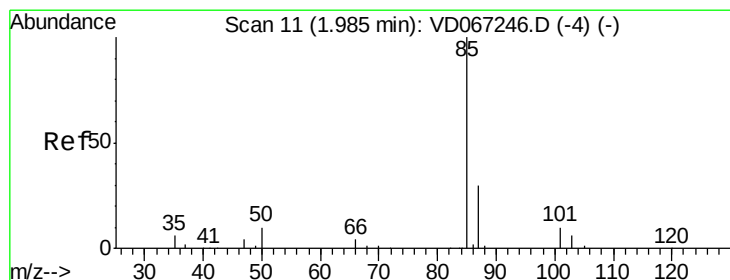
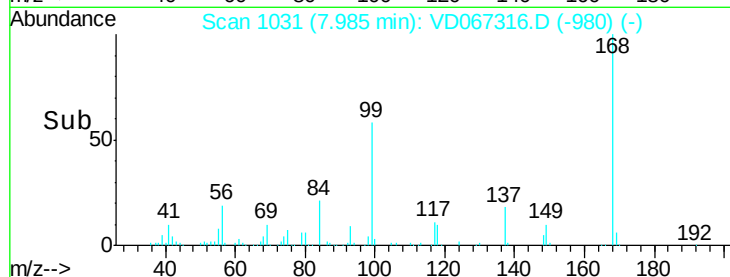
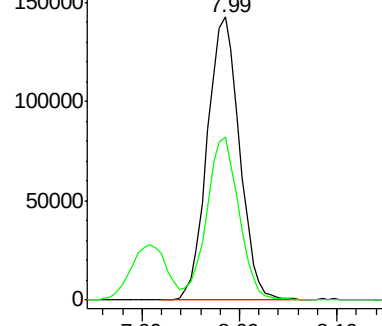
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.903 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067316.D

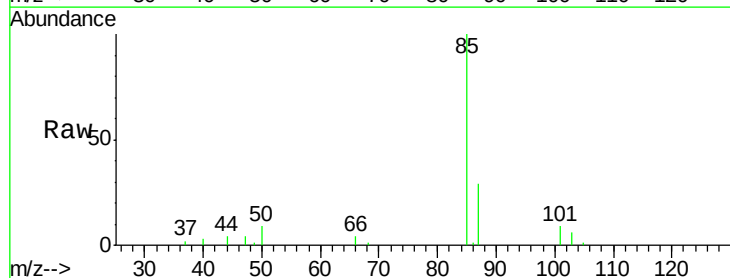
Acq: 20 Oct 2020 11:39

Tgt Ion: 85 Resp: 56830

Ion Ratio Lower Upper

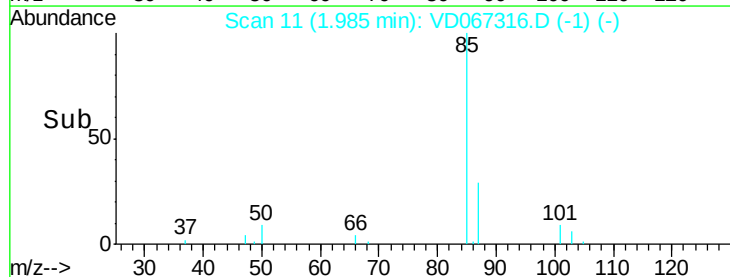
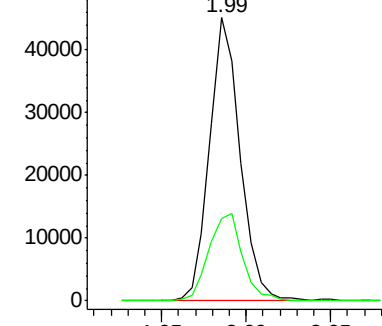
85 100

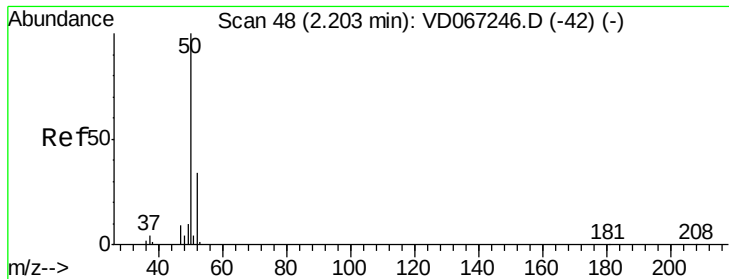
87 29.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.444 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBSD01

Tot Ion: 50 Resp: 40067

Ion Ratio Lower Upper

50 100

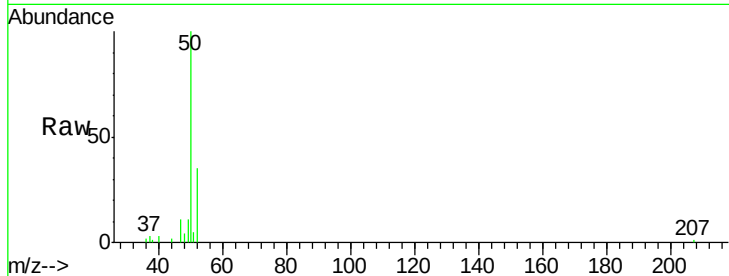
52 35.5 27.1 40.7

Manual Integrations

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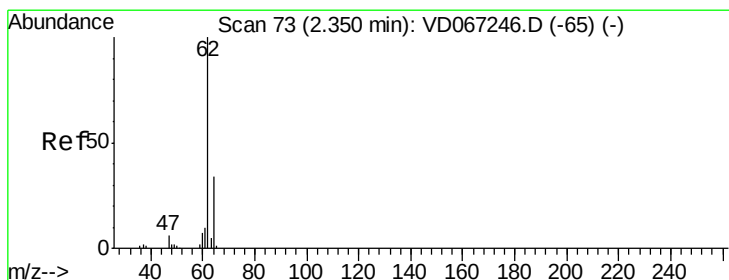
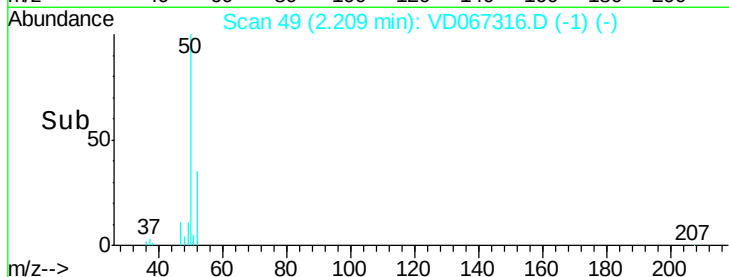
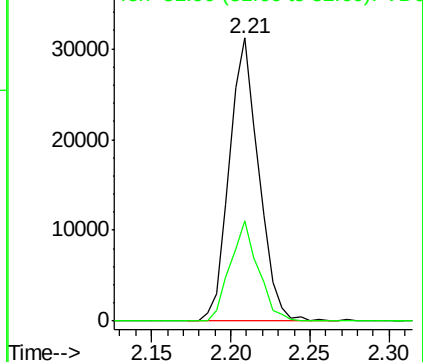
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.594 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067316.D

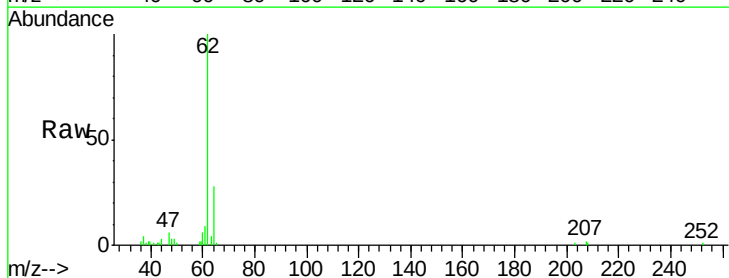
Acq: 20 Oct 2020 11:39

Tgt Ion: 62 Resp: 44301

Ion Ratio Lower Upper

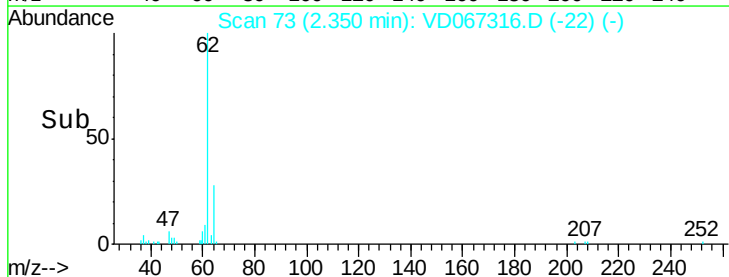
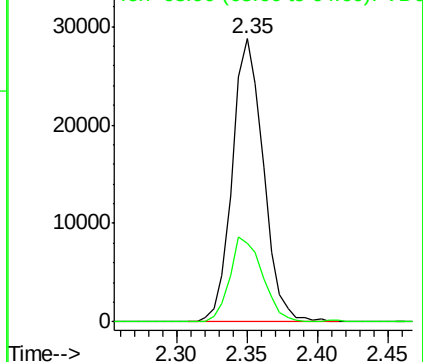
62 100

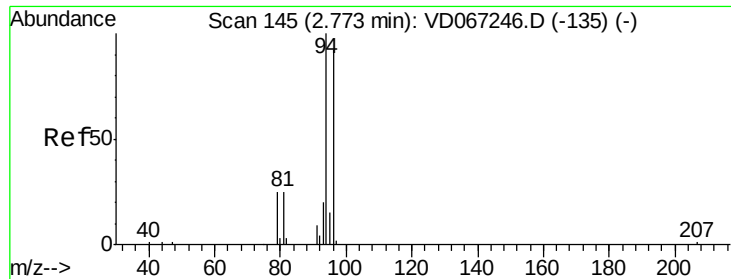
64 27.6 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.251 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 94 Resp: 37061

Ion Ratio Lower Upper

94 100

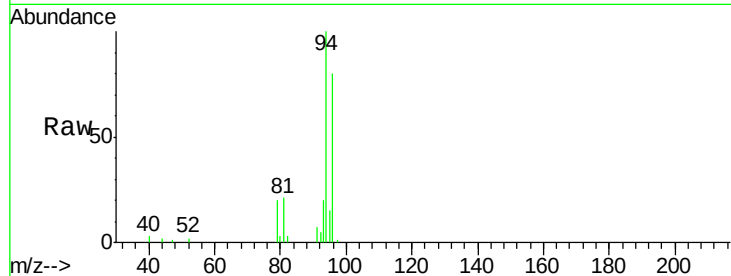
96 79.7 73.8 110.6

Manual Integrations

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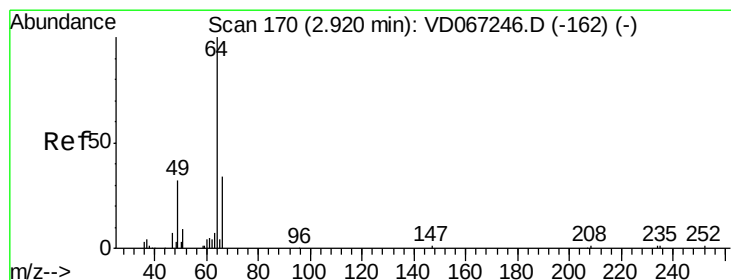
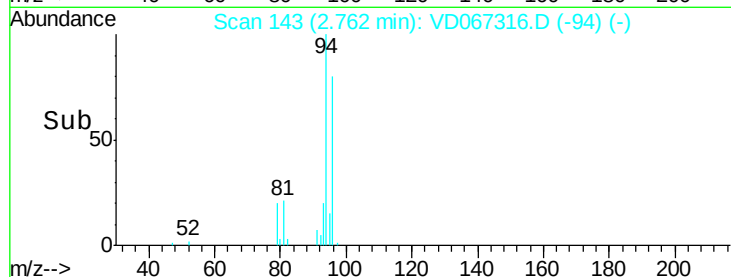
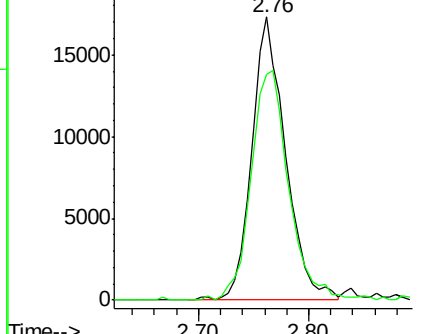
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.462 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067316.D

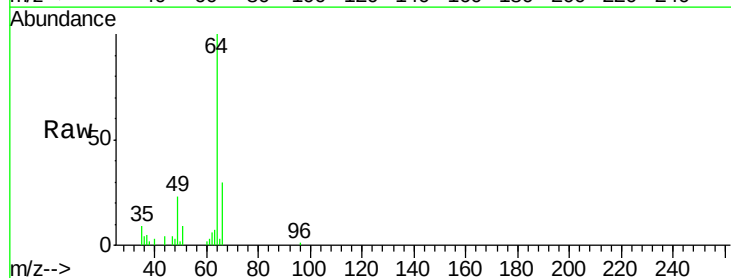
Acq: 20 Oct 2020 11:39

Tgt Ion: 64 Resp: 28813

Ion Ratio Lower Upper

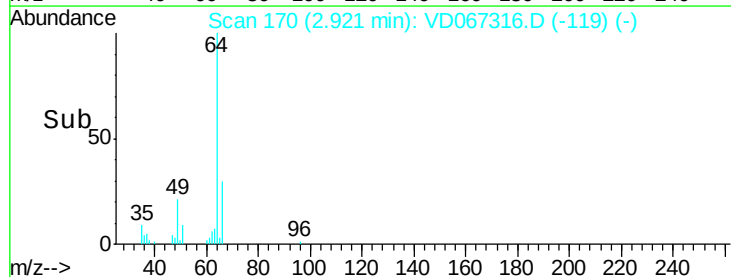
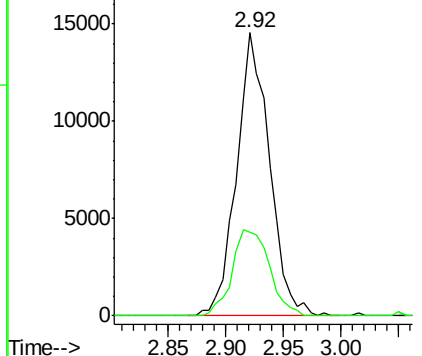
64 100

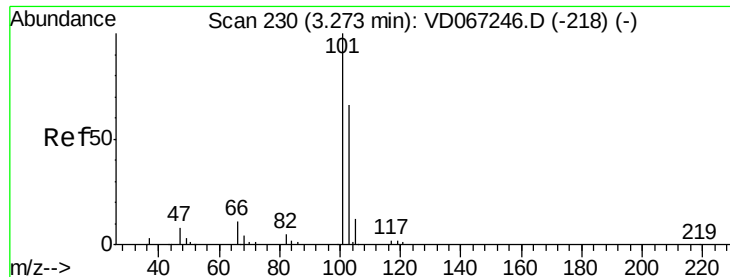
66 29.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

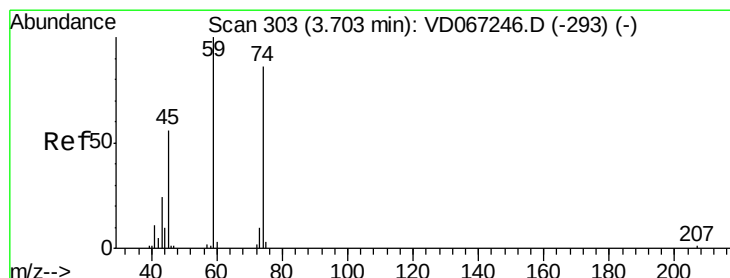
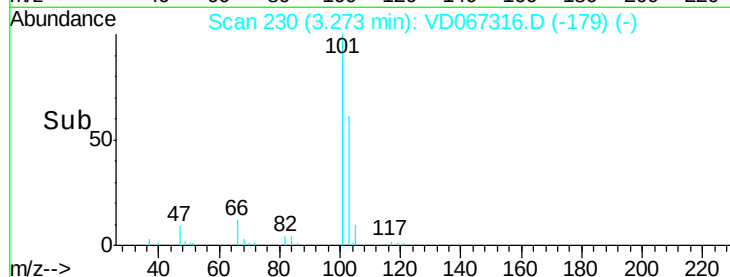
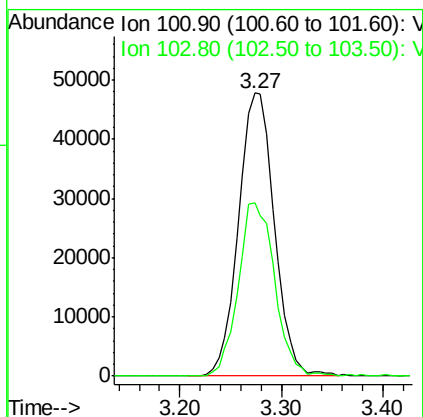
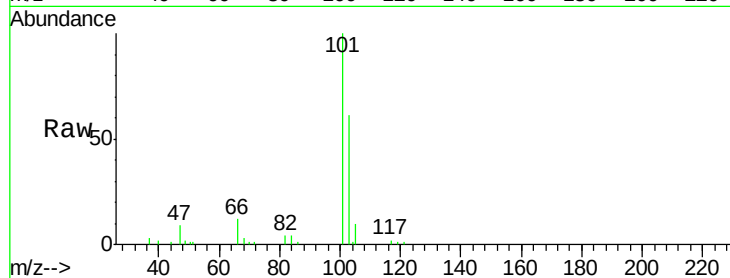
Trichlorofluoromethane
Concen: 20.573 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
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ClientSampleId :
VD1020SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	53.1	79.7

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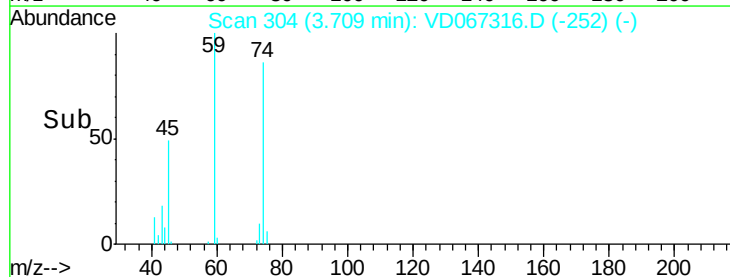
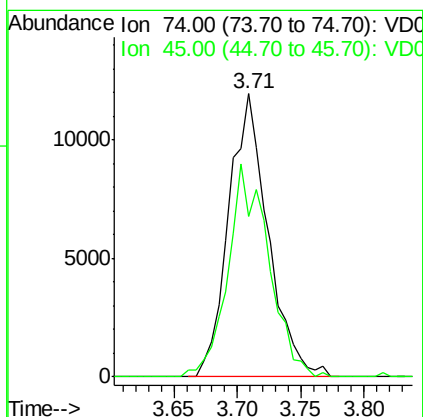
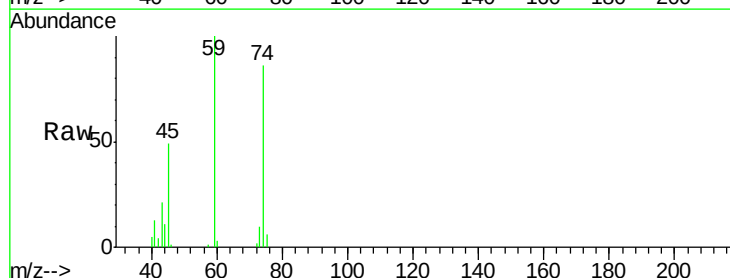
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10/21/2020 2:51:58 PM

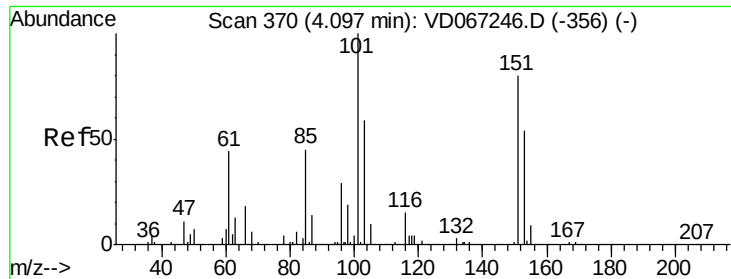


#8

Diethyl Ether
Concen: 19.761 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.3	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.808 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

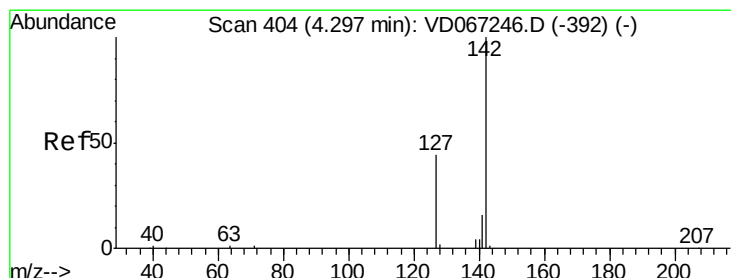
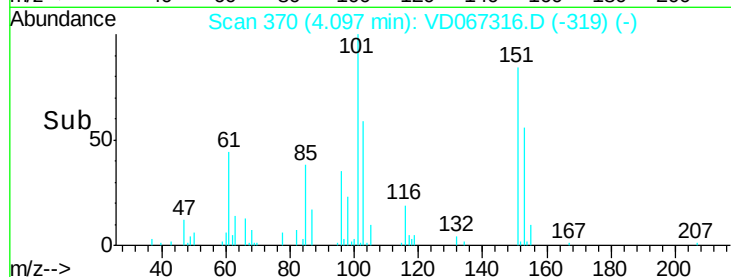
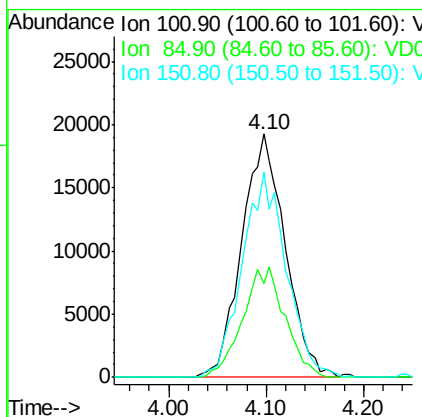
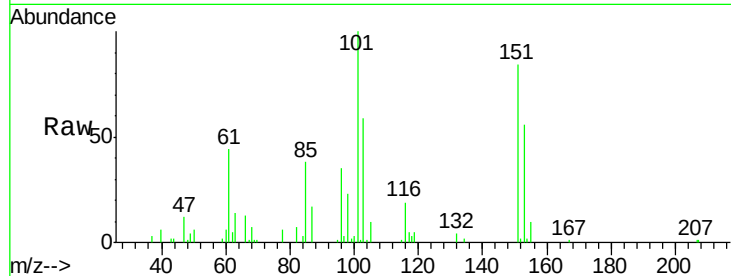
ClientSampleId :

VD1020SBS01

Tot Ion:	101	Resp:	59915
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.2	51.4
151	85.6	66.3	99.5

Manual Integrations
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MMDadoda
10/21/2020 2:51:58 PM



#10

Methyl Iodide

Concen: 20.302 ug/l

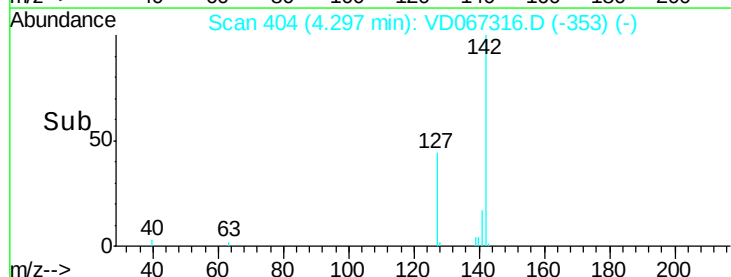
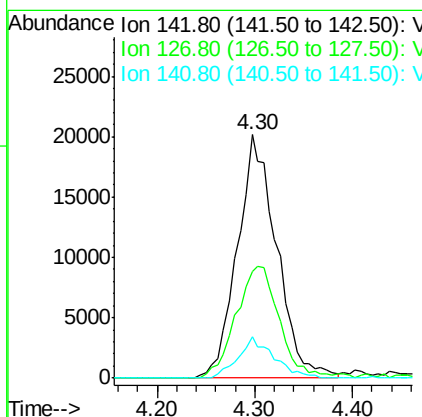
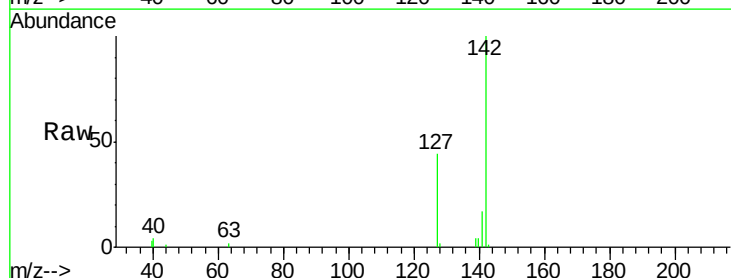
RT: 4.30 min Scan# 404

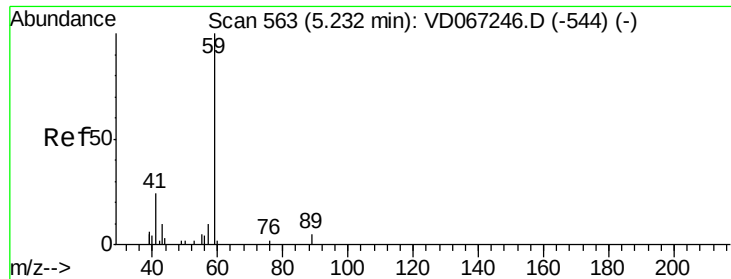
Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion:	142	Resp:	56648
Ion Ratio	Lower	Upper	
142	100		
127	50.4	38.4	57.6
141	15.3	11.6	17.4





#11

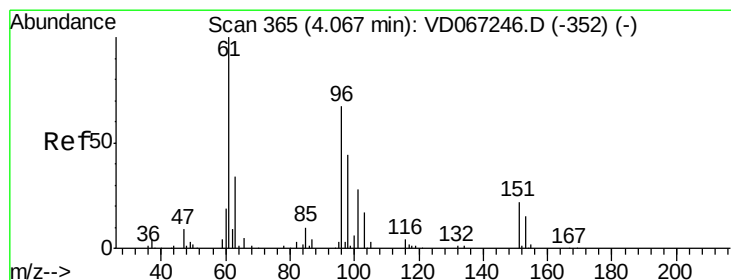
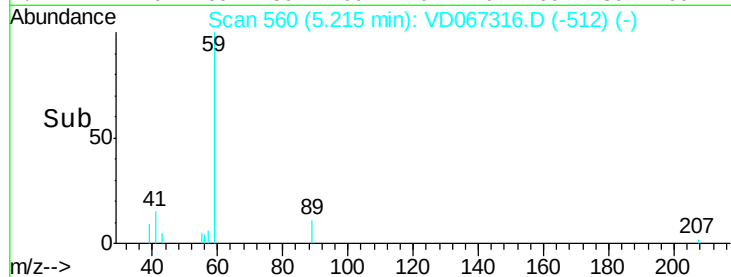
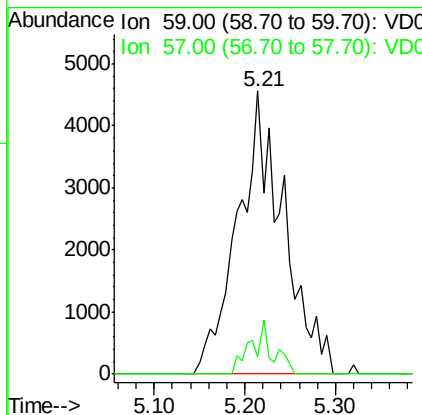
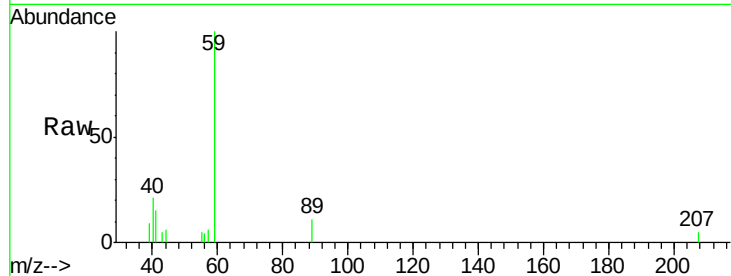
Tert butyl alcohol
Concen: 58.437 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	15925		
57	4.1		5.1	7.7#

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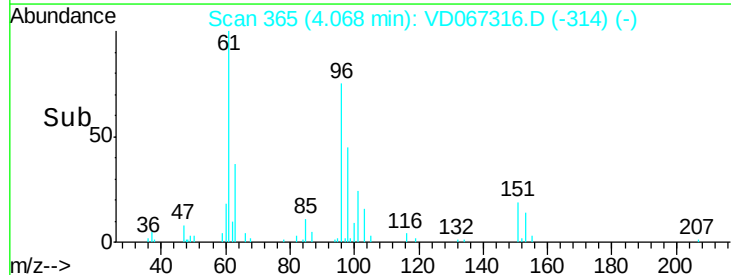
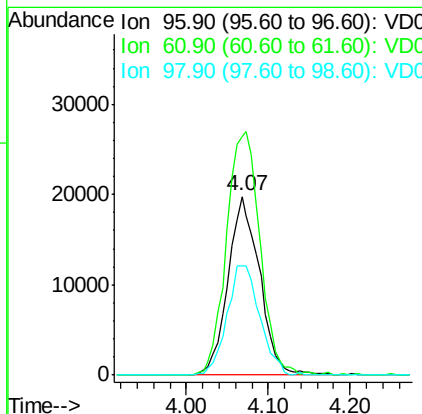
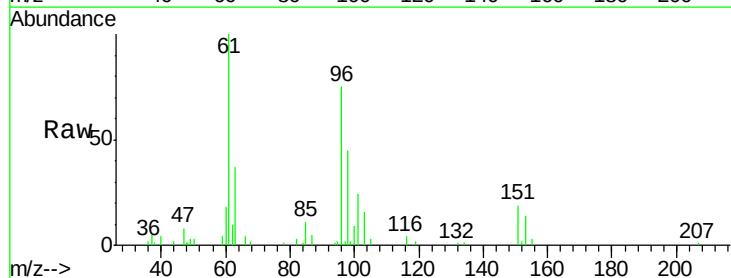
MMDadoda
10/21/2020 2:51:58 PM

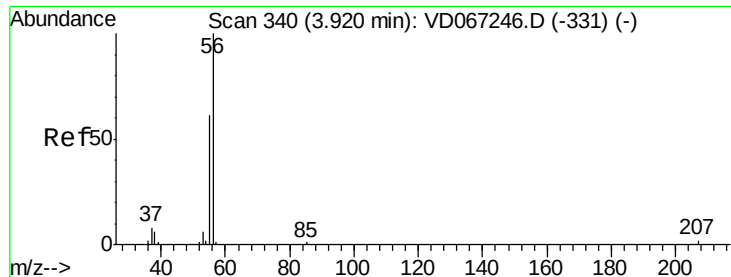


#12

1,1-Dichloroethene
Concen: 19.686 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	53199		
61	133.6		118.6	177.8
98	60.8		51.8	77.6





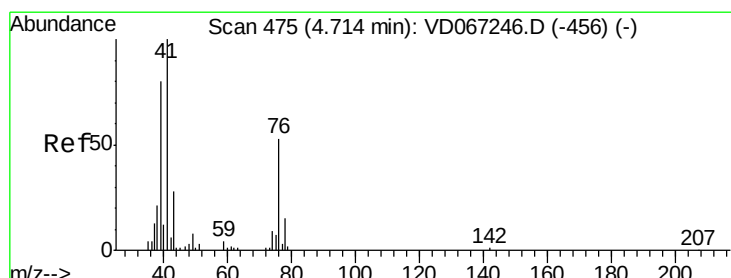
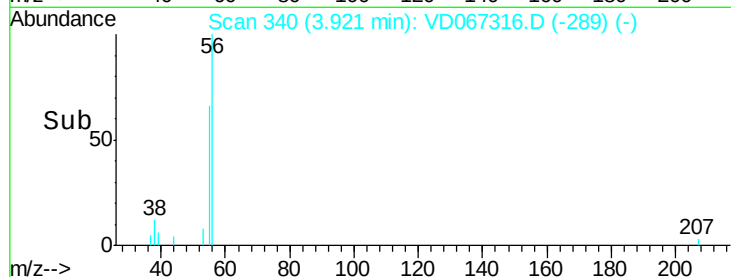
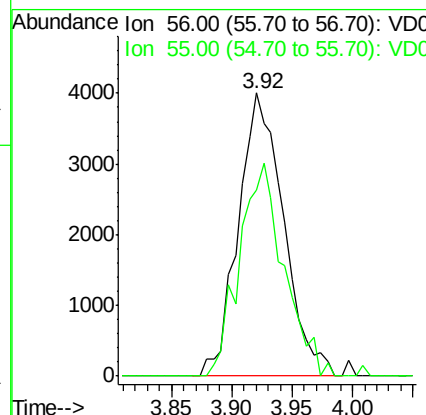
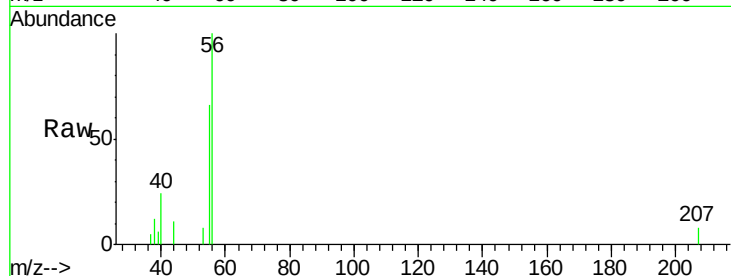
#13
Acrolein
Concen: 70.273 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	56	Resp	10434
Ion Ratio	Lower	Upper	
56	100		
55	74.0	56.0	84.0

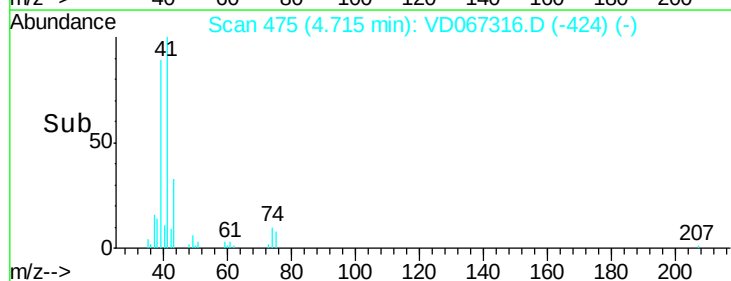
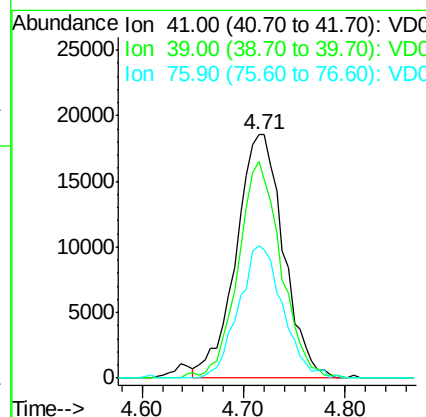
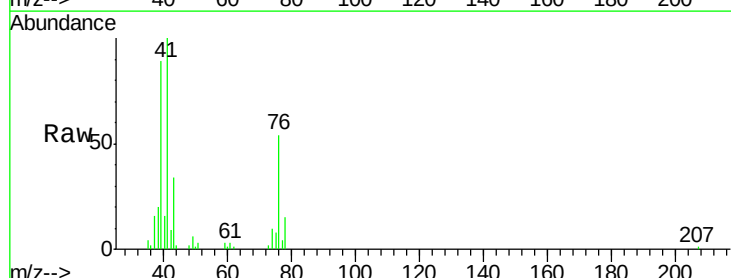
Manual Integrations
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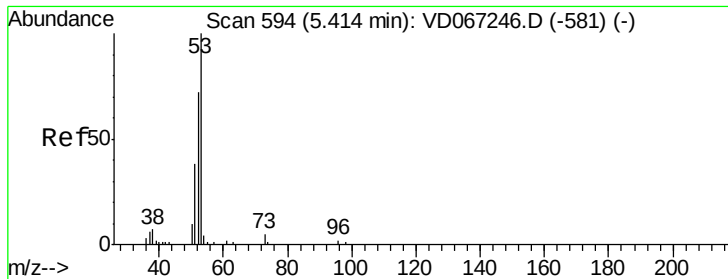
MMDadoda
10/21/2020 2:51:58 PM



#14
Allyl chloride
Concen: 19.437 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	41	Resp	60150
Ion Ratio	Lower	Upper	
41	100		
39	80.7	63.8	95.6
76	50.8	40.4	60.6





#15

Acrylonitrile

Concen: 94.789 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

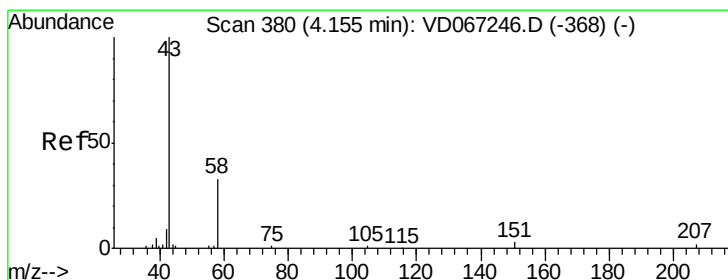
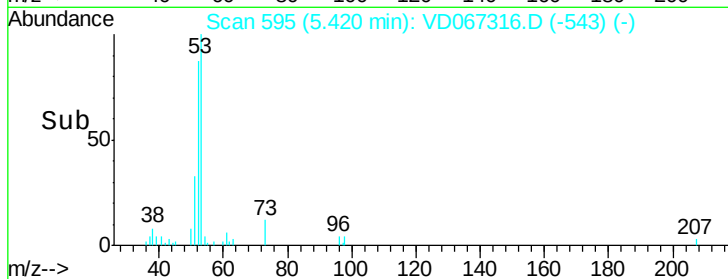
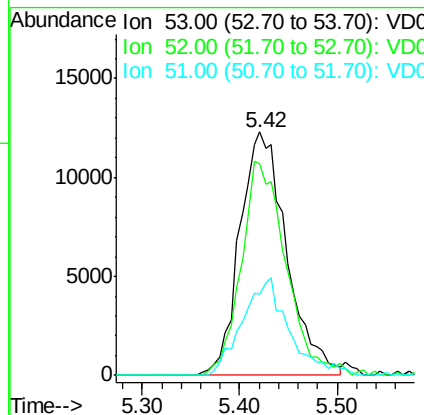
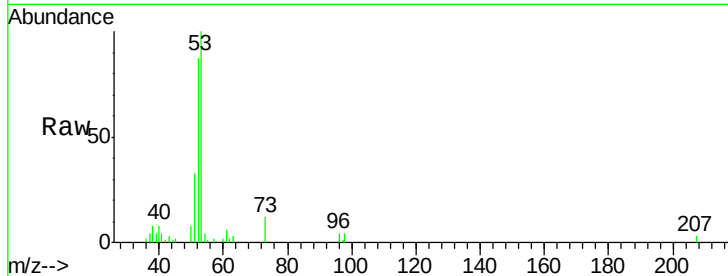
ClientSampleId :

VD1020SBS01

Tot Ion:	53	Resp:	41205
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.6	98.4
51	40.2	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 90.671 ug/l

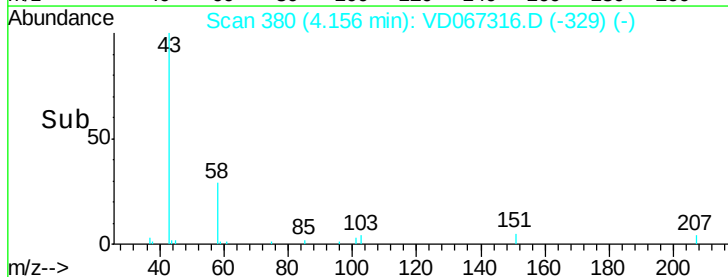
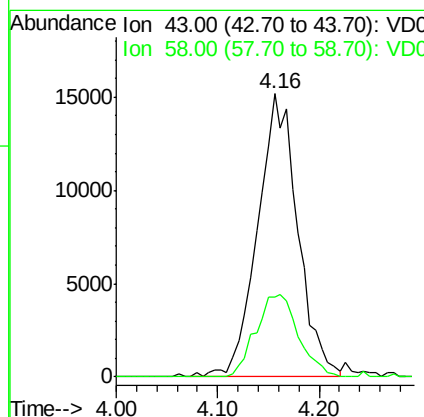
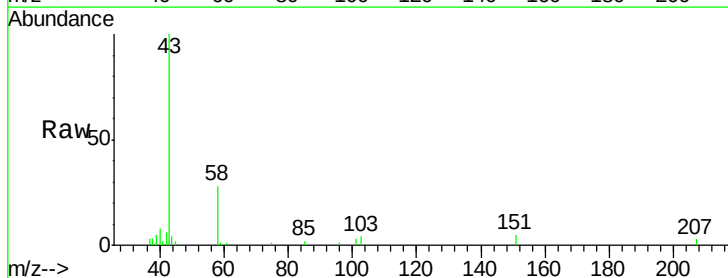
RT: 4.16 min Scan# 380

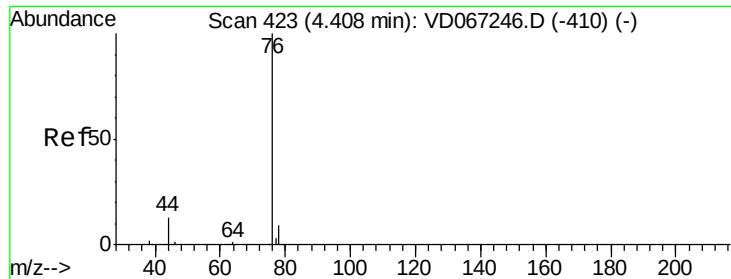
Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion:	43	Resp:	41655
Ion	Ratio	Lower	Upper
43	100		
58	28.2	26.1	39.1





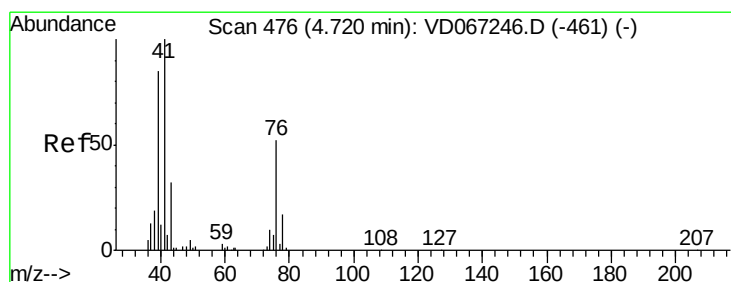
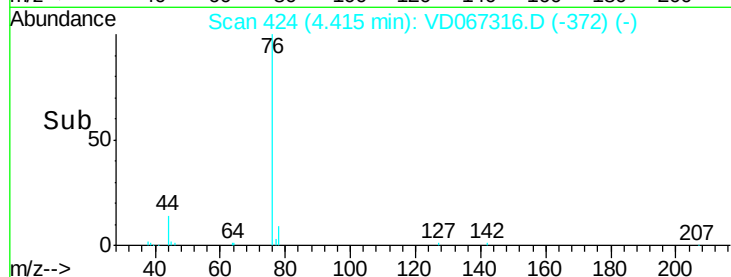
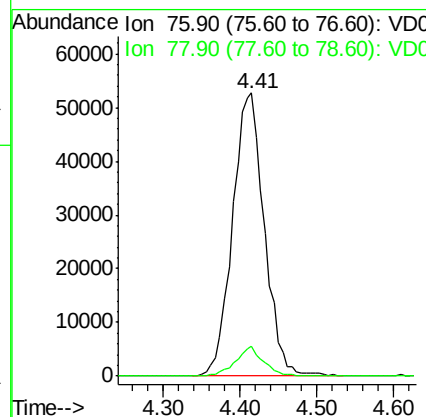
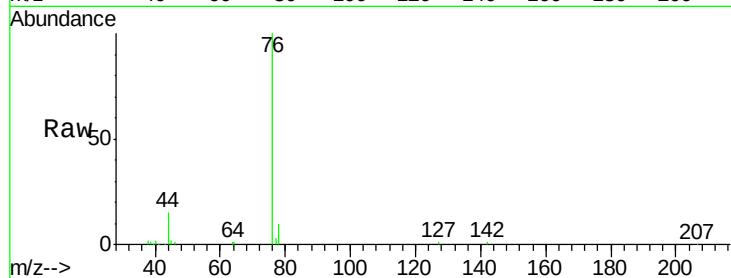
#17
Carbon Disulfide
Concen: 19.640 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.4	11.0

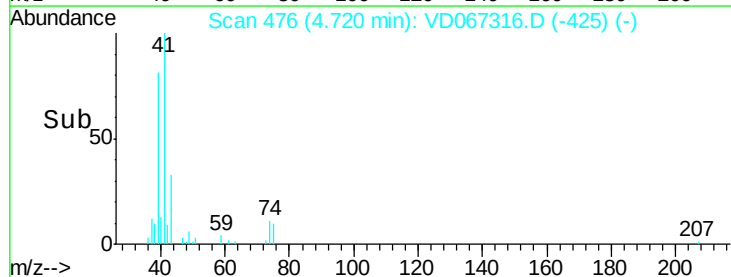
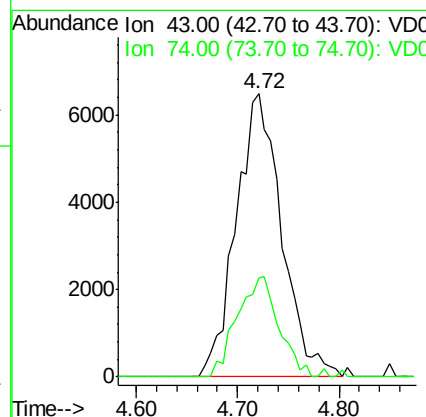
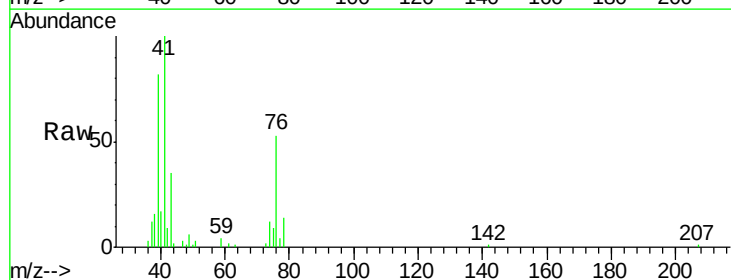
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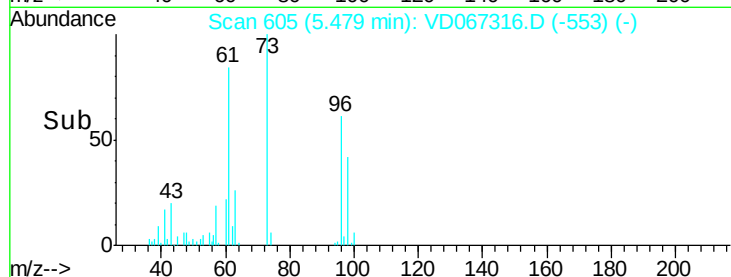
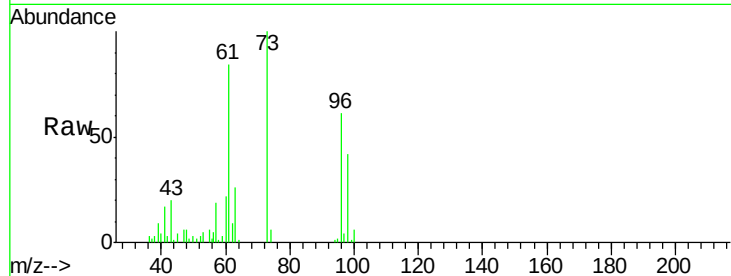
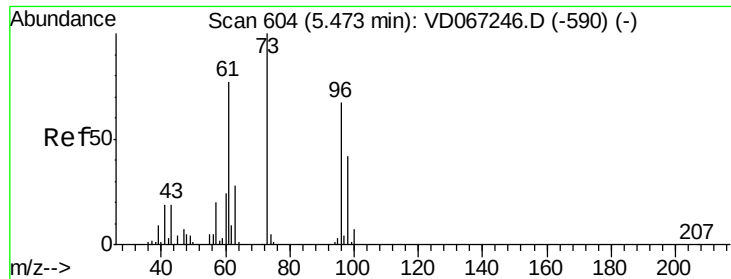
MMDadoda
10/21/2020 2:51:58 PM



#18
Methyl Acetate
Concen: 19.257 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.3	26.6	39.8





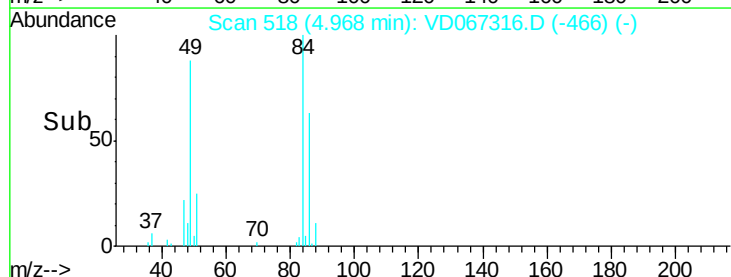
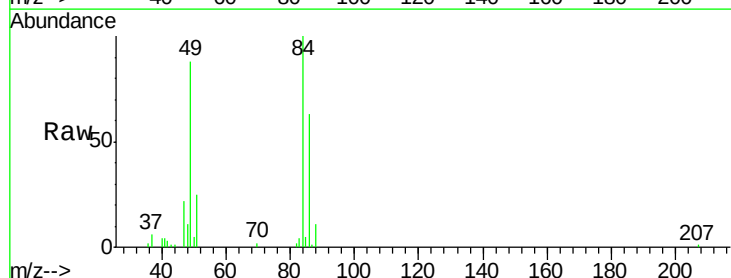
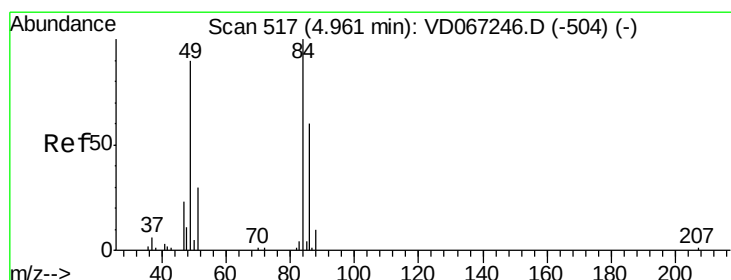
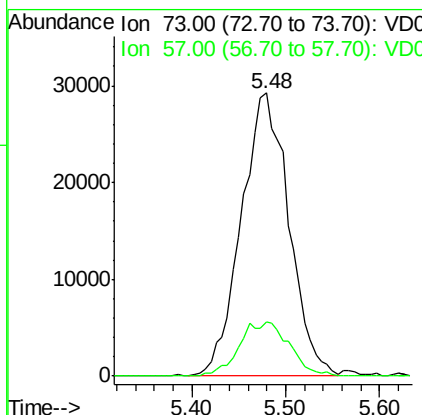
#19
Methyl tert-butyl Ether
Concen: 19.044 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tot Ion: 73 Resp: 102329
Ion Ratio Lower Upper
73 100
57 19.1 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

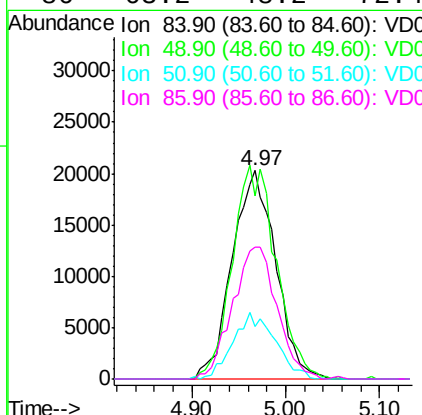
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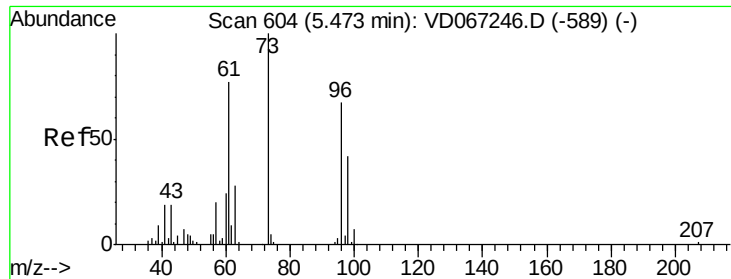
MMDadoda
10/21/2020 2:51:58 PM



#20
Methylene Chloride
Concen: 19.390 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 84 Resp: 65146
Ion Ratio Lower Upper
84 100
49 87.6 72.2 108.2
51 24.9 23.8 35.8
86 63.2 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.205 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

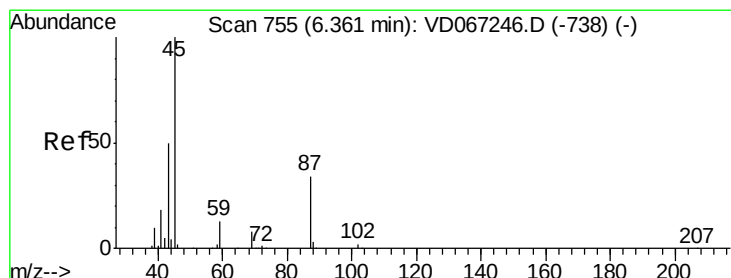
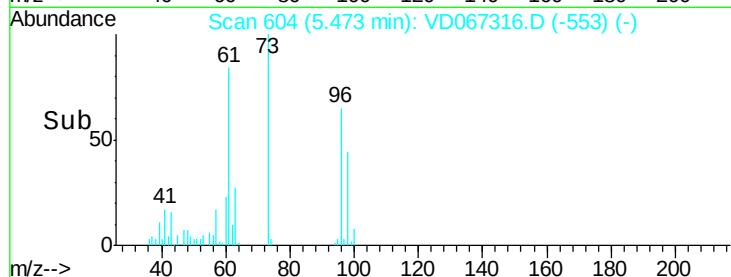
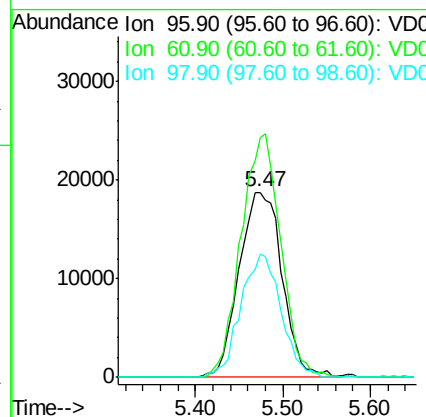
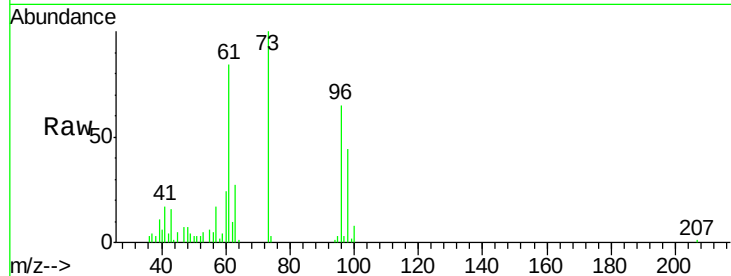
ClientSampleId :

VD1020SBS01

Tot Ion:	96	Resp:	62832
Ion	Ratio	Lower	Upper
96	100		
61	129.3	92.0	138.0
98	66.9	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.697 ug/l

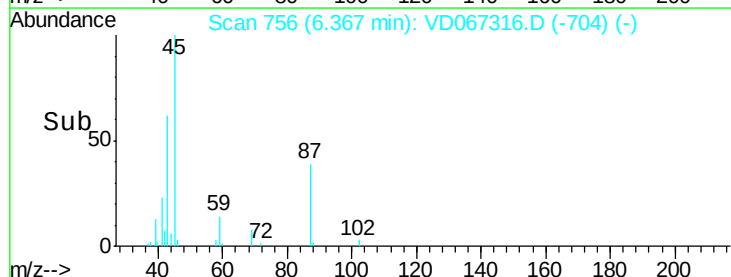
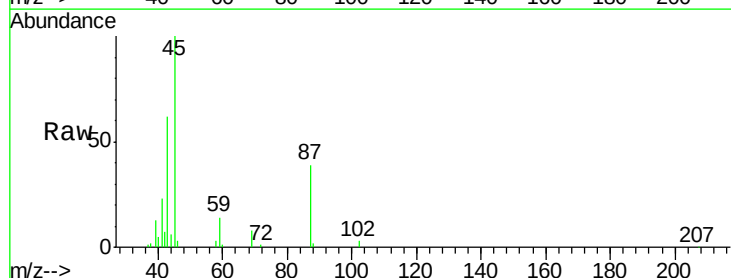
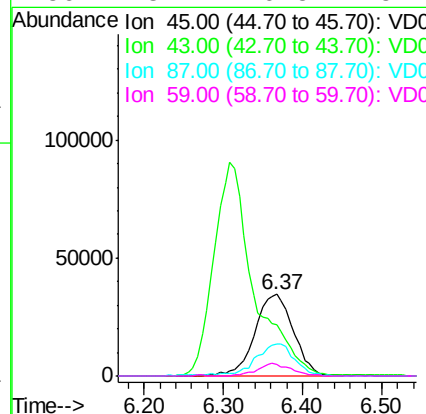
RT: 6.37 min Scan# 756

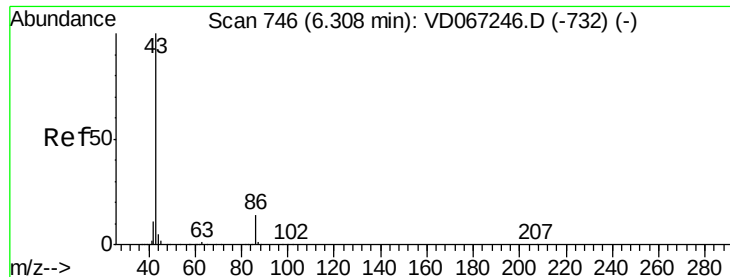
Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion:	45	Resp:	117002
Ion	Ratio	Lower	Upper
45	100		
43	61.0	48.0	72.0
87	39.1	28.5	42.7
59	13.7	10.5	15.7





#23

Vinyl Acetate

Concen: 99.107 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 43 Resp: 318749

Ion Ratio Lower Upper

43 100

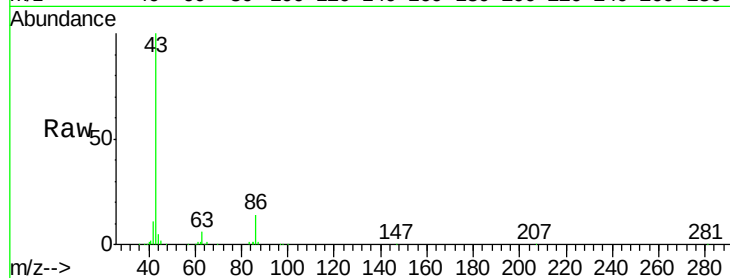
86 13.7 11.0 16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

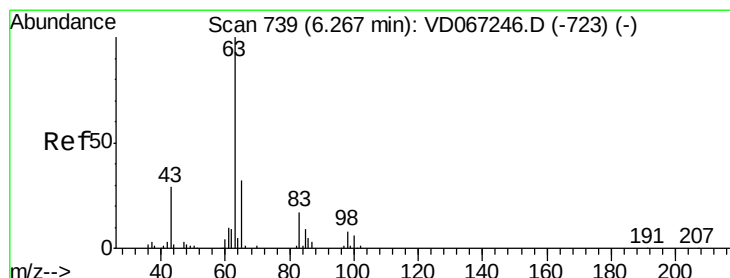
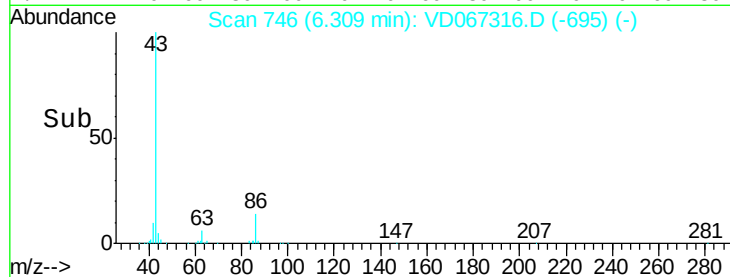
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.549 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

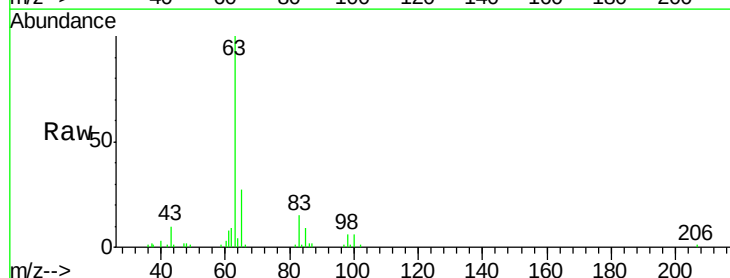
Tgt Ion: 63 Resp: 99442

Ion Ratio Lower Upper

63 100

98 6.1 4.0 12.2

100 5.9 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

40000

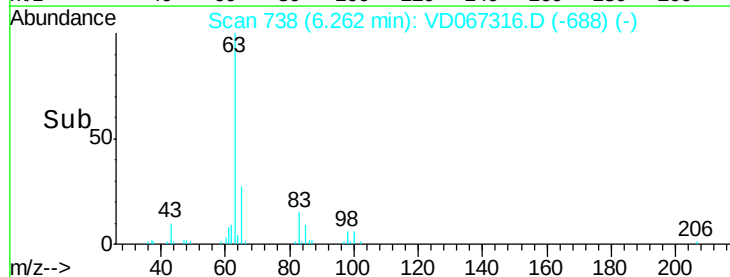
30000

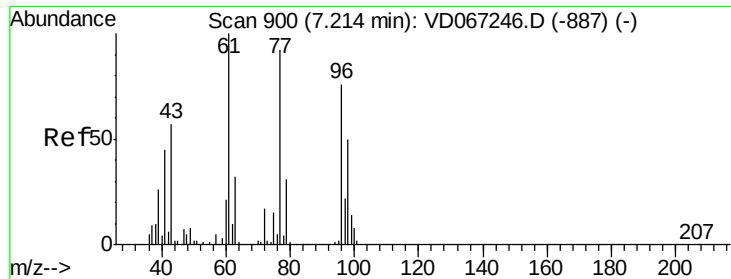
20000

10000

0

Time-->





#25

2-Butanone

Concen: 95.873 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 43 Resp: 50207

Ion Ratio Lower Upper

43 100

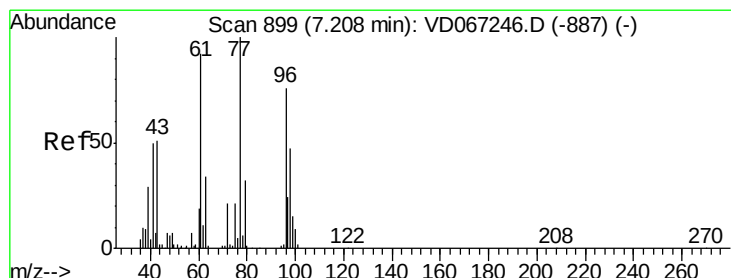
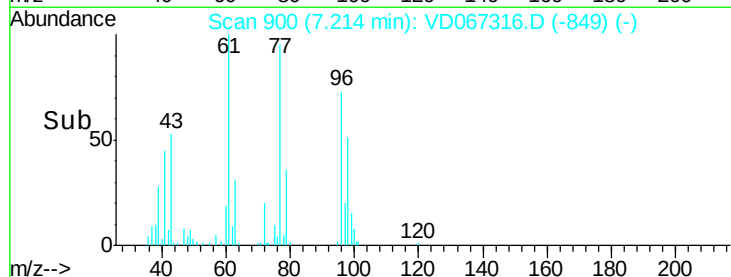
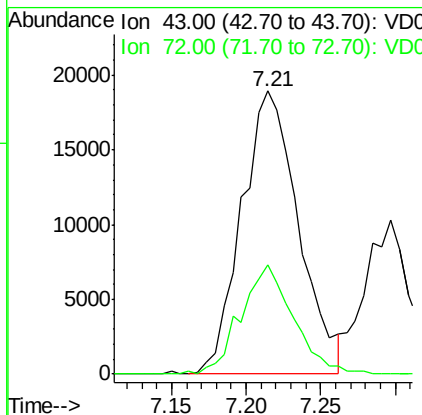
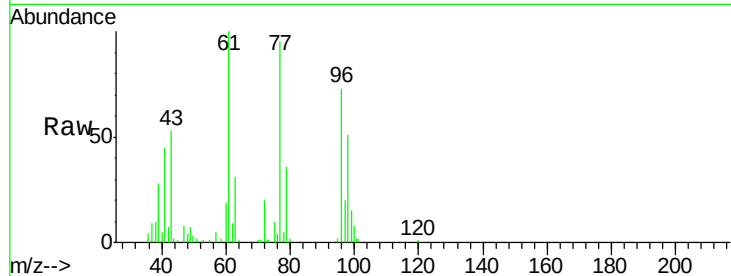
72 37.7 23.7 35.5#

Manual Integrations

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MMDadoda

10/21/2020 2:51:58 PM



#26

2,2-Dichloropropane

Concen: 20.136 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067316.D

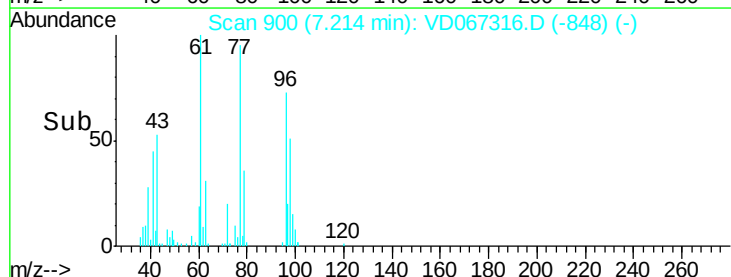
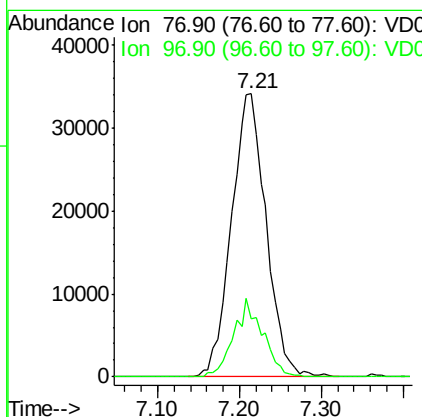
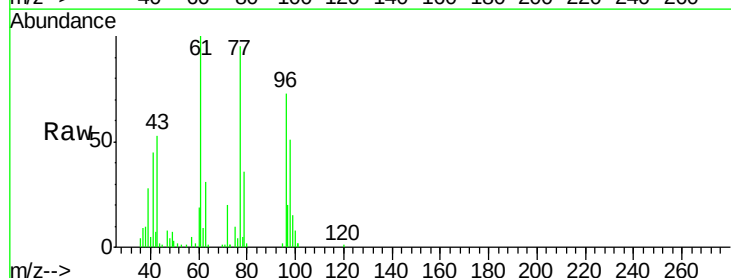
Acq: 20 Oct 2020 11:39

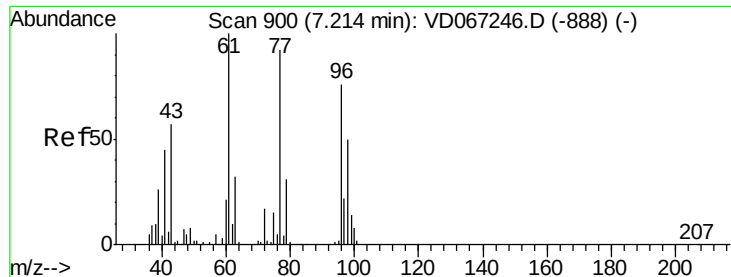
Tgt Ion: 77 Resp: 100434

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.606 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

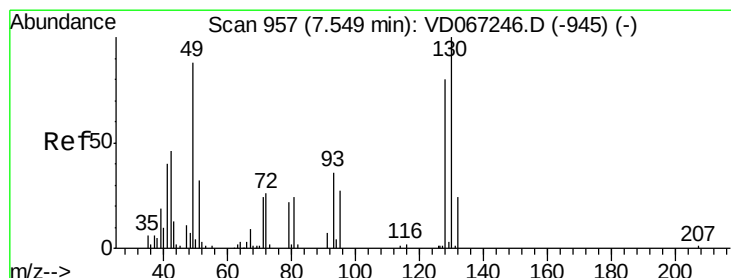
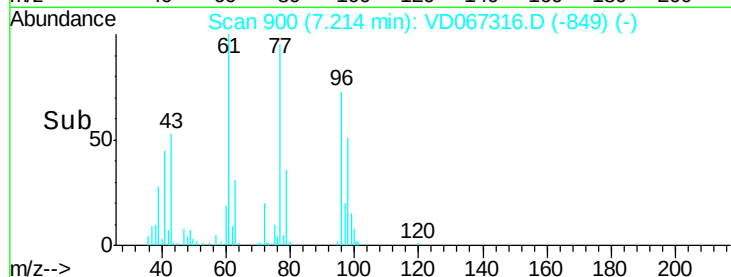
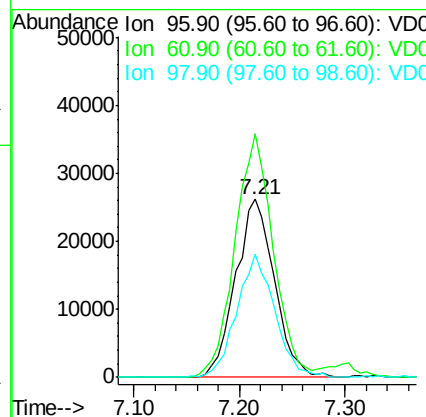
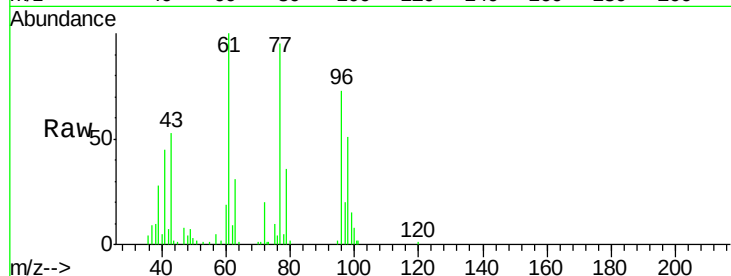
ClientSampleId :

VD1020SBSD01

Tot Ion:	96	Resp:	66821
Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	255.4
98	67.7	0.0	128.0

Manual Integrations
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#28

Bromochloromethane

Concen: 19.214 ug/l

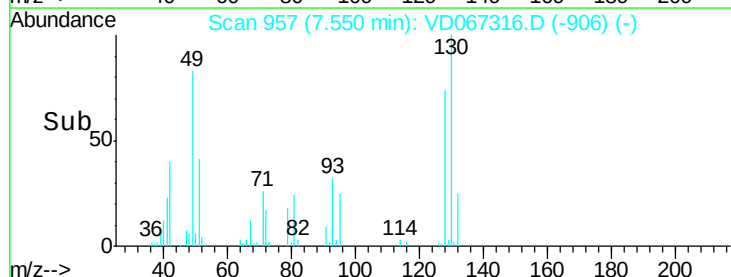
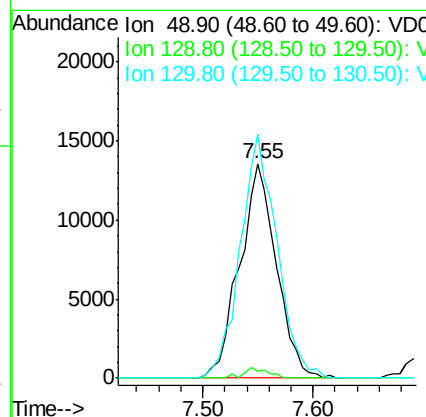
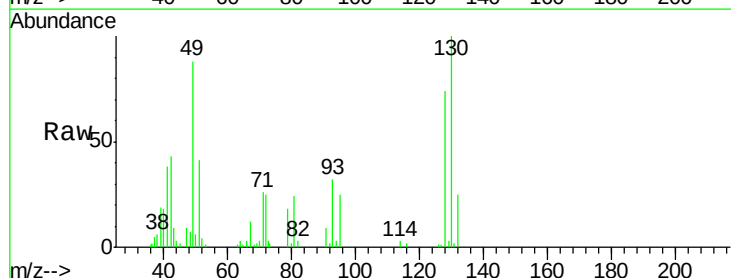
RT: 7.55 min Scan# 957

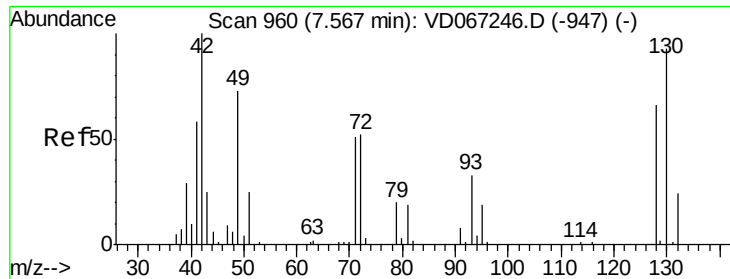
Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion:	49	Resp:	31715
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	1.6#
130	113.1	91.0	136.6





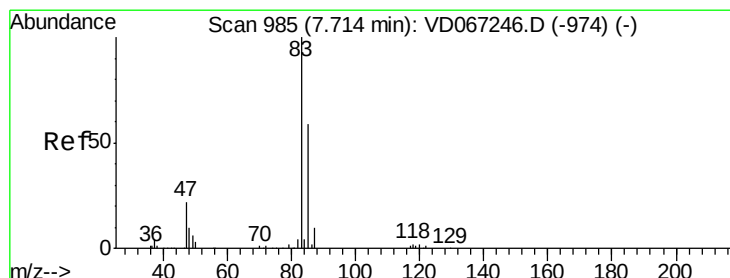
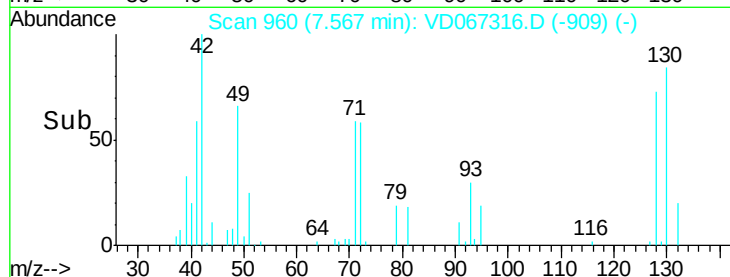
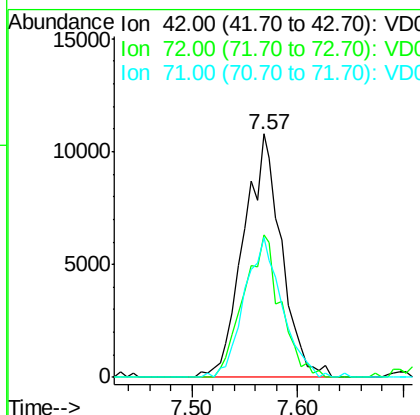
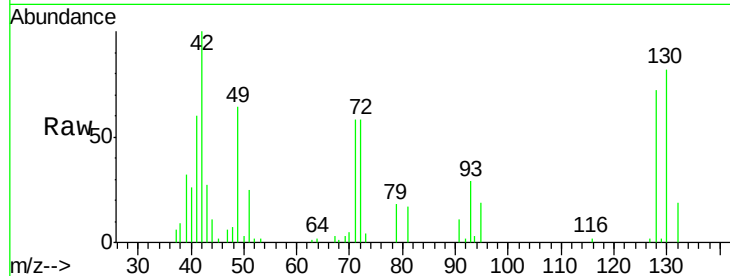
#29
Tetrahydrofuran
Concen: 92.331 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.3	43.2	64.8
71	57.0	39.4	59.0

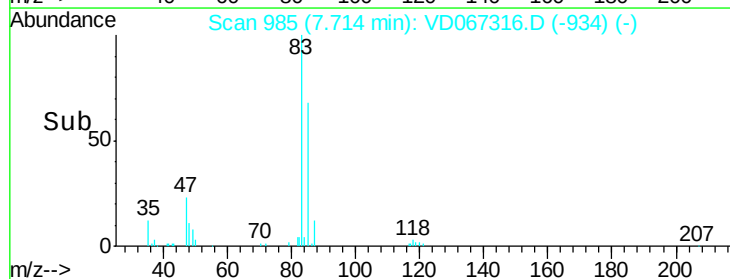
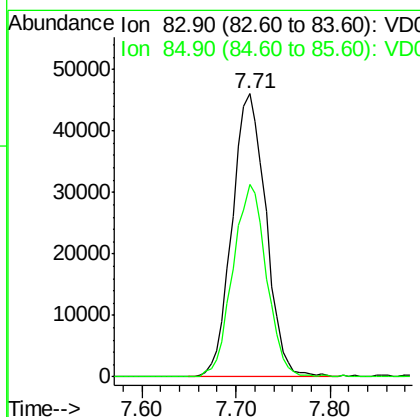
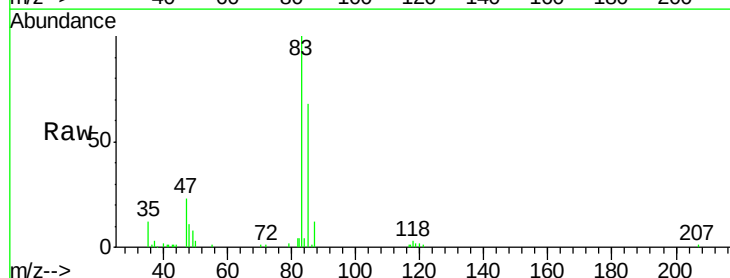
Manual Integrations
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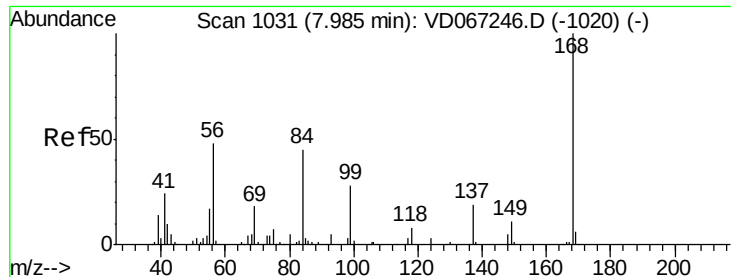
MMDadoda
10/21/2020 2:51:58 PM



#30
Chloroform
Concen: 19.908 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	47.3	70.9





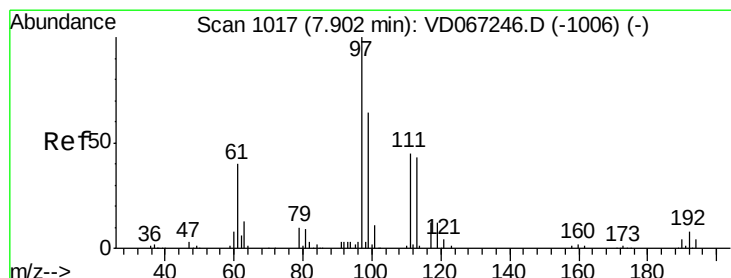
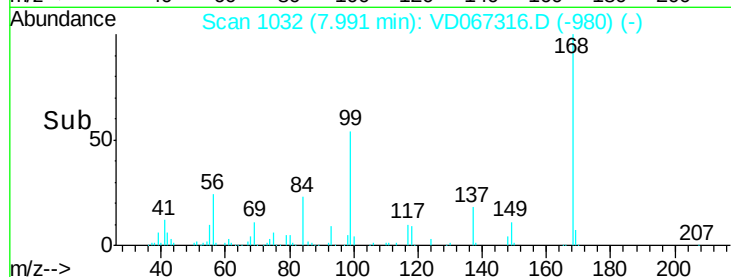
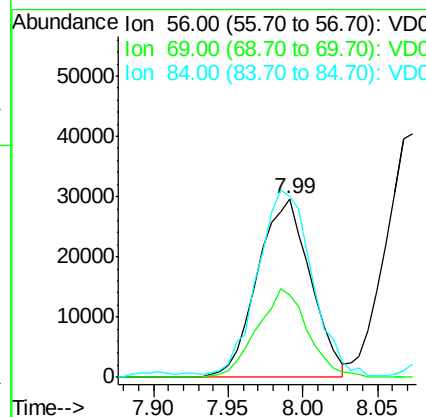
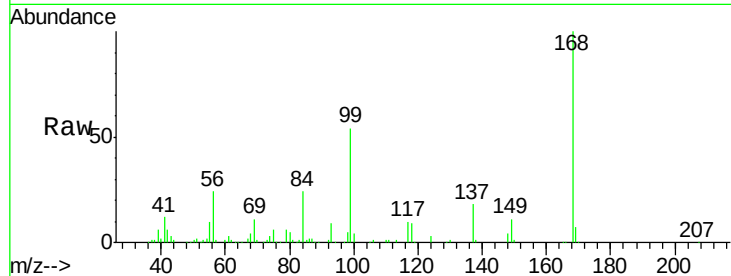
#31
Cyclohexane
Concen: 19.383 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	45.8	29.8	44.6#
84	98.9	76.6	114.8

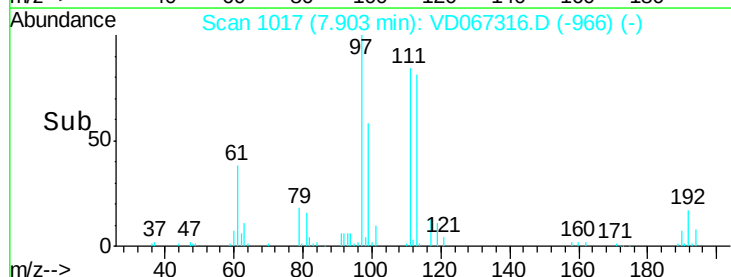
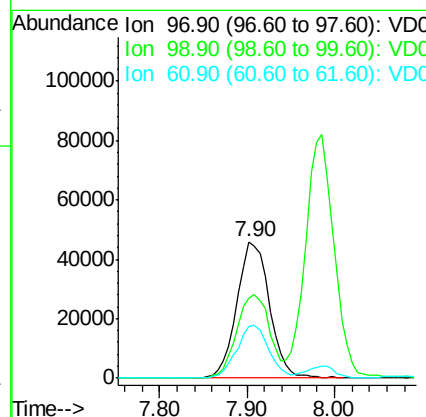
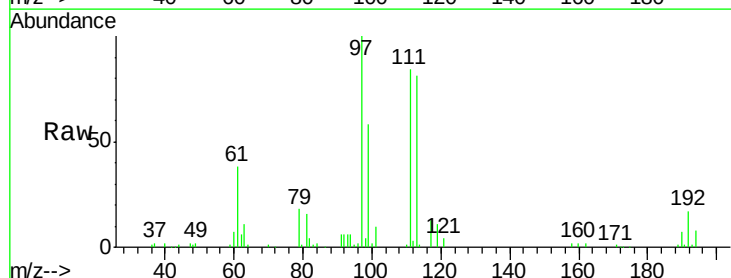
Manual Integrations
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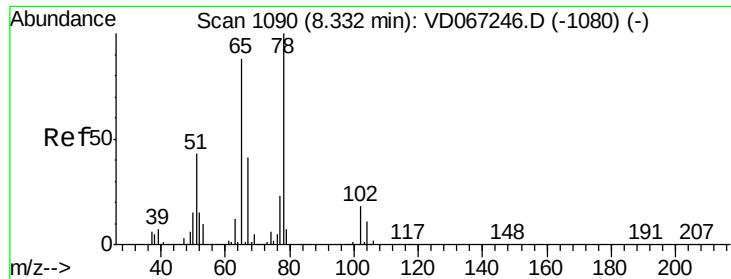
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.435 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.3	50.2	75.4
61	38.0	30.5	45.7





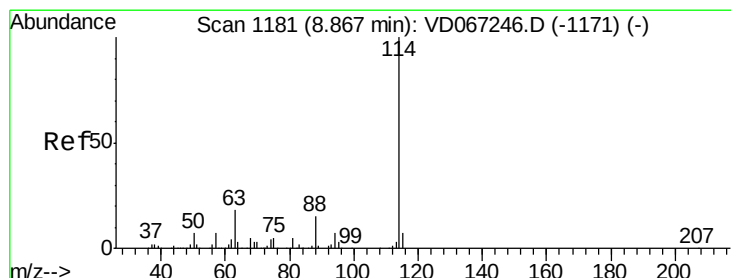
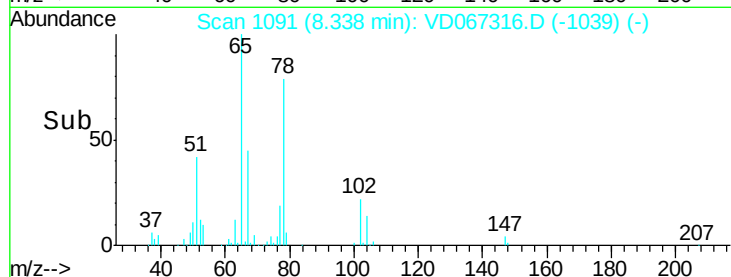
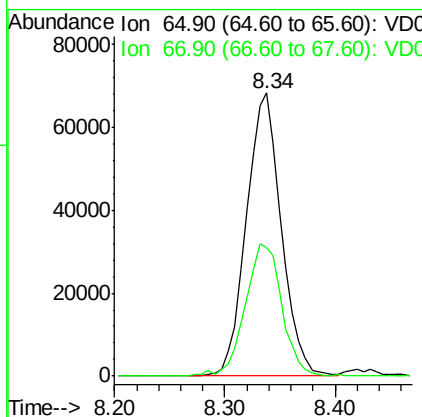
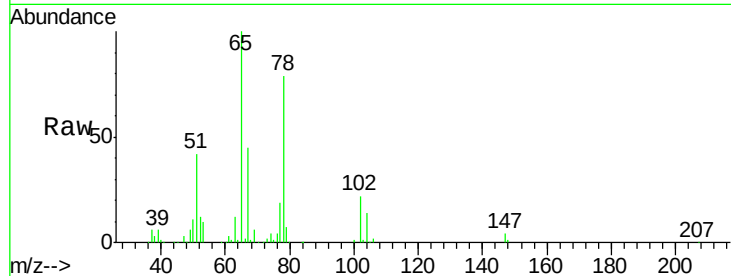
#33
 1,2-Dichloroethane-d4
 Concen: 46.276 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	48.9	0.0	103.8	

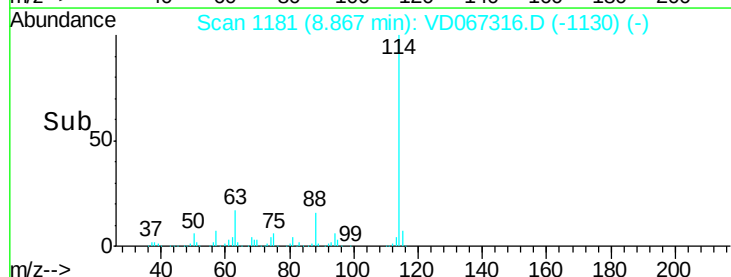
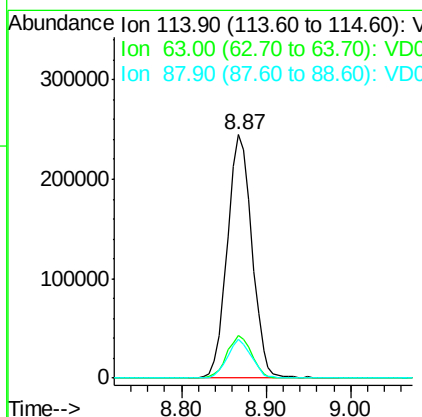
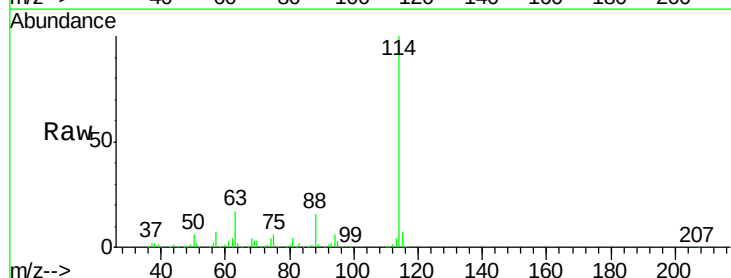
Manual Integrations
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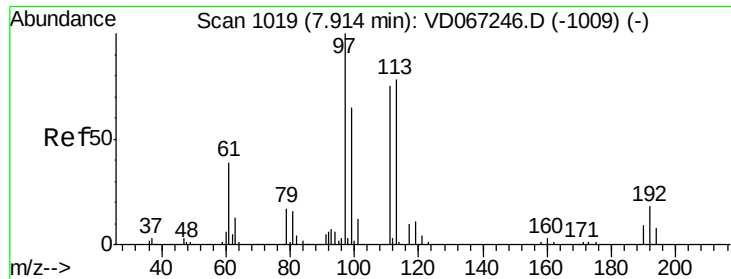
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.5	0.0	35.0	
88	16.0	0.0	30.6	





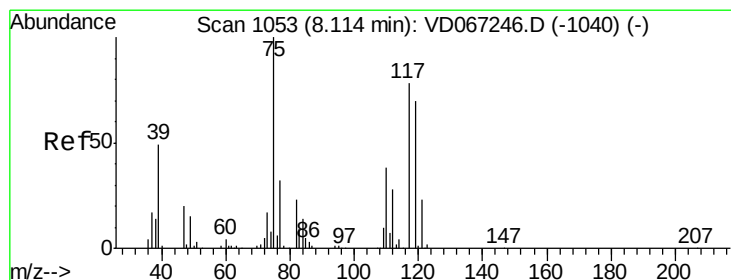
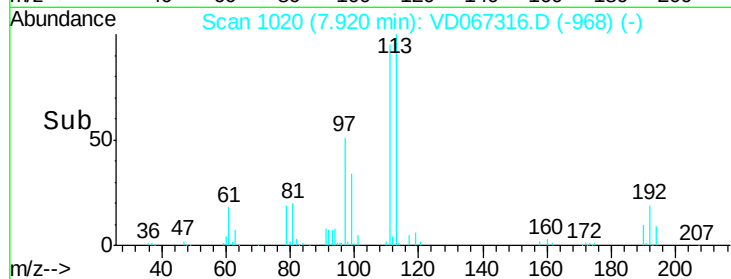
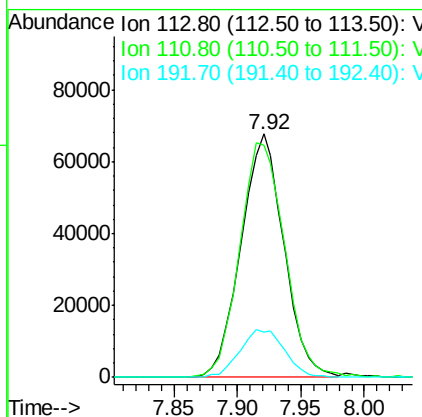
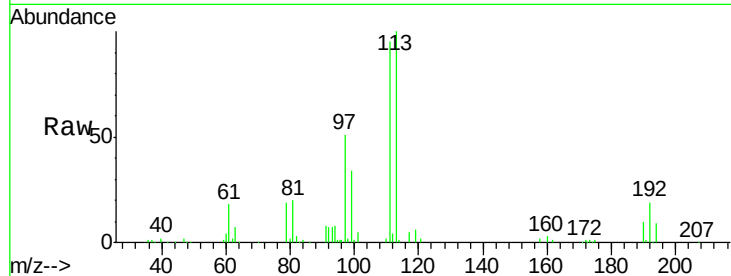
#35
 Dibromofluoromethane
 Concen: 48.546 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158607		
111	101.7		81.6	122.4
192	20.5		17.0	25.4

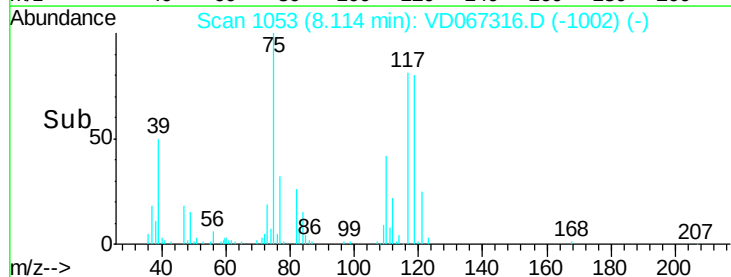
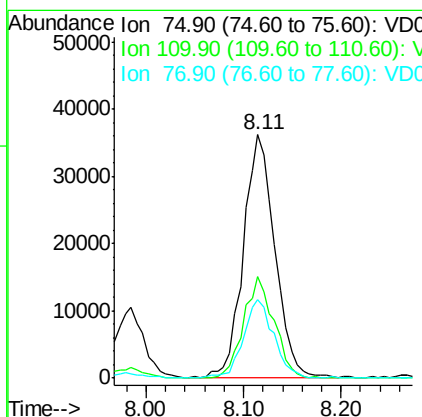
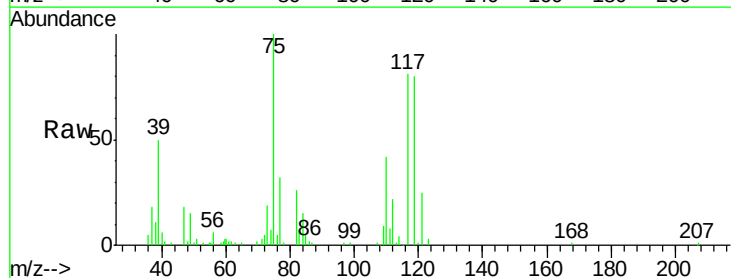
Manual Integrations
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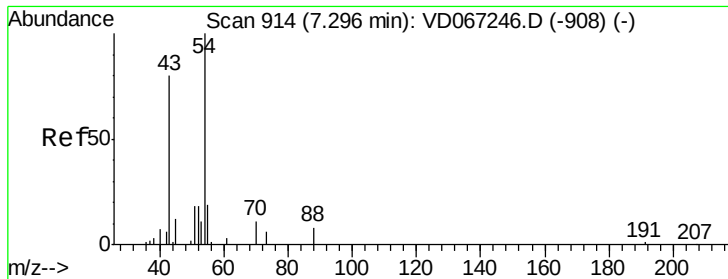
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.749 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82177		
110	39.9		19.6	58.7
77	31.0		24.6	37.0





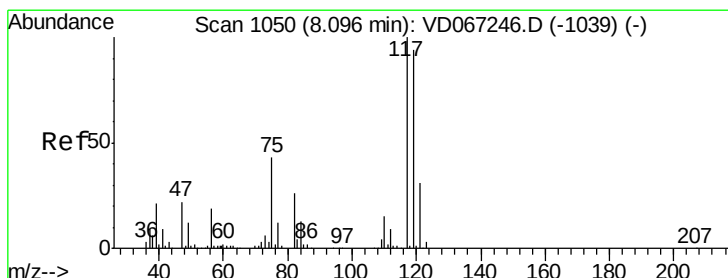
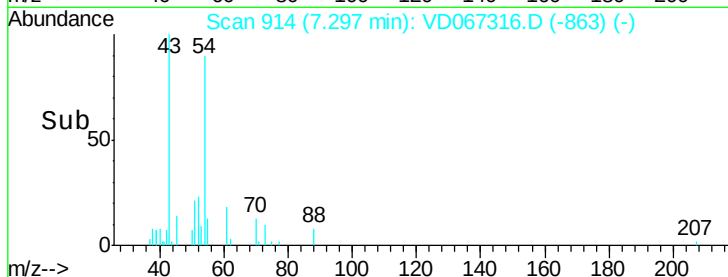
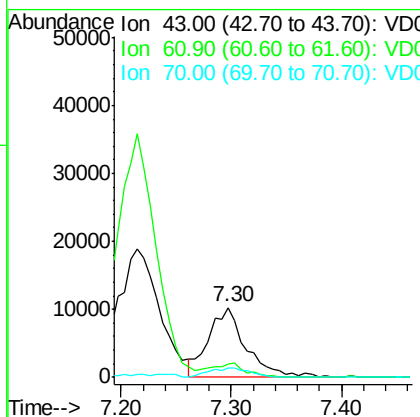
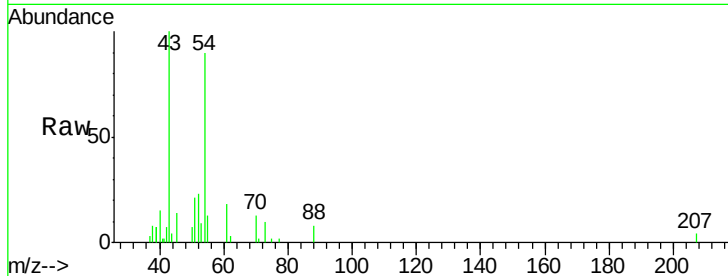
#37
Ethyl Acetate
Concen: 19.856 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.6	23.4
70	14.2	10.4	15.6

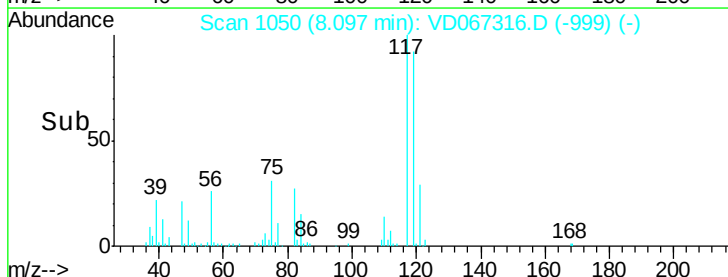
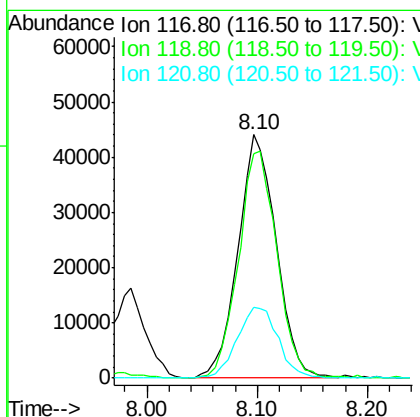
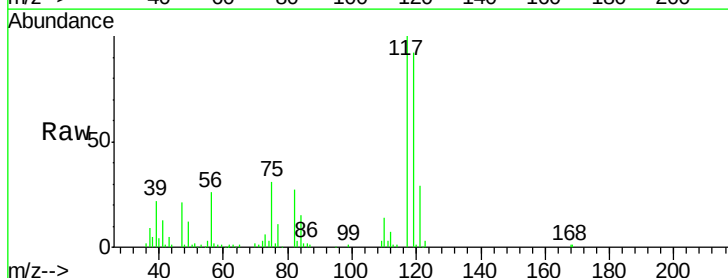
Manual Integrations
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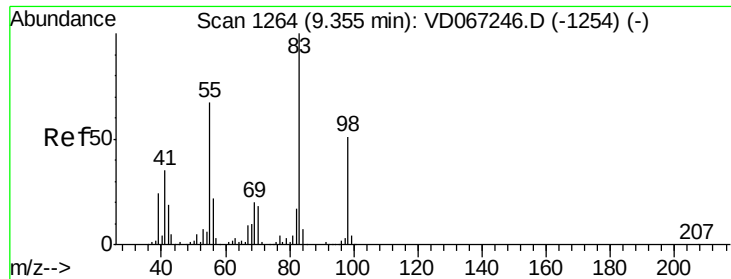
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#38
Carbon Tetrachloride
Concen: 20.143 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.0	112.4
121	29.2	24.9	37.3





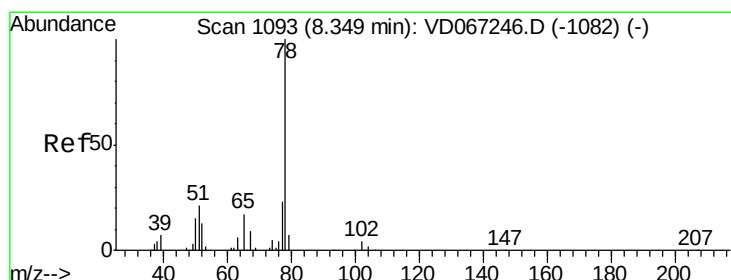
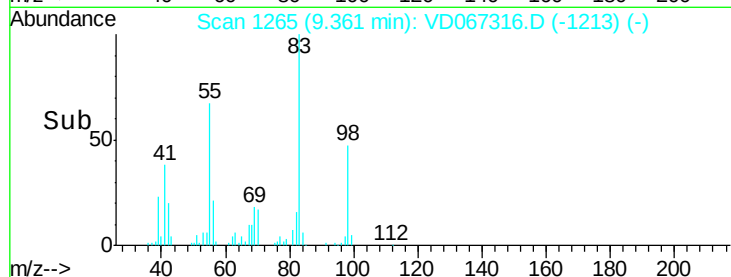
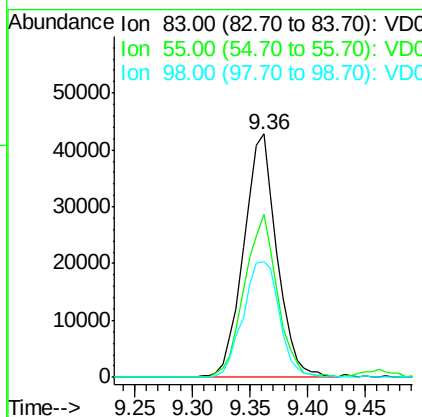
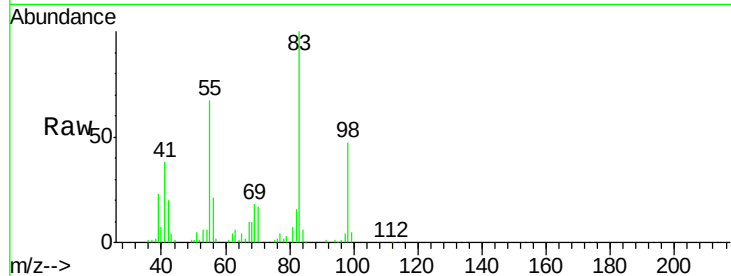
#39
Methylvlcyclohexane
Concen: 19.689 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	83	Resp	85648
Ion Ratio	Lower	Upper	
83	100		
55	66.8	53.3	79.9
98	47.3	41.0	61.4

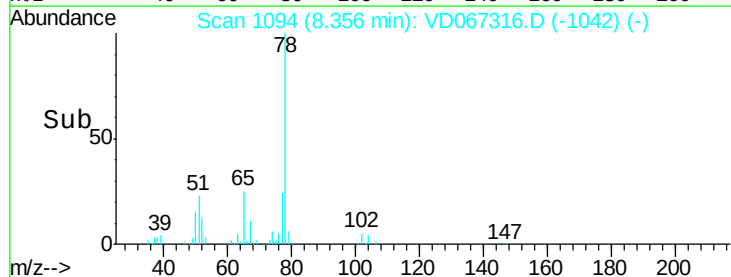
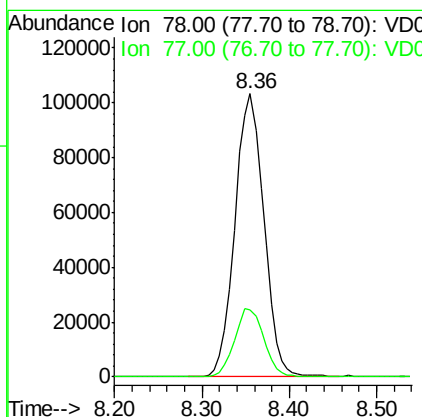
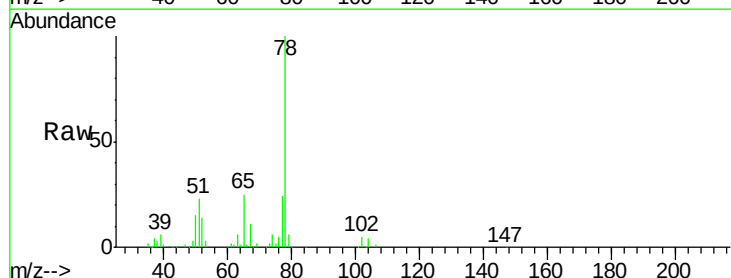
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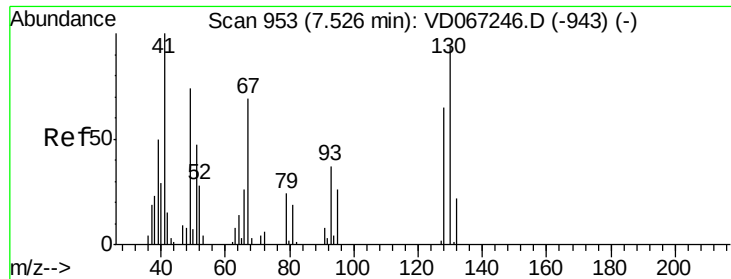
MMDadoda
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#40
Benzene
Concen: 20.301 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	78	Resp	231743
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.3	27.5





#41

Methacrylonitrile

Concen: 23.006 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 41 Resp: 15220

Ion Ratio Lower Upper

41 100

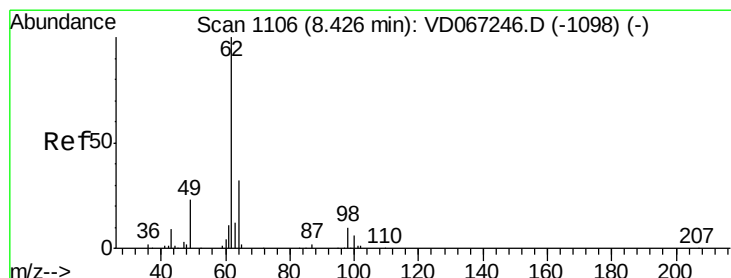
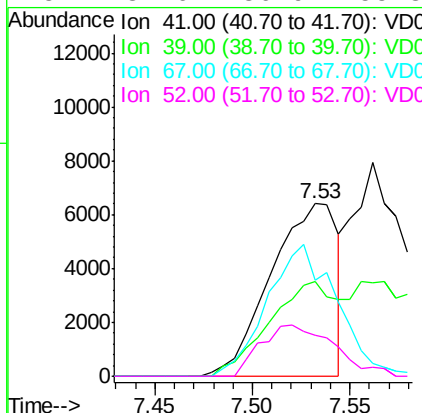
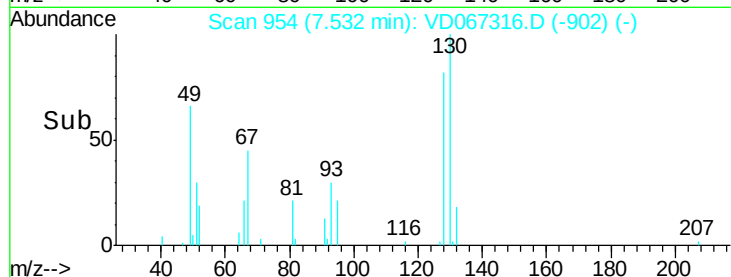
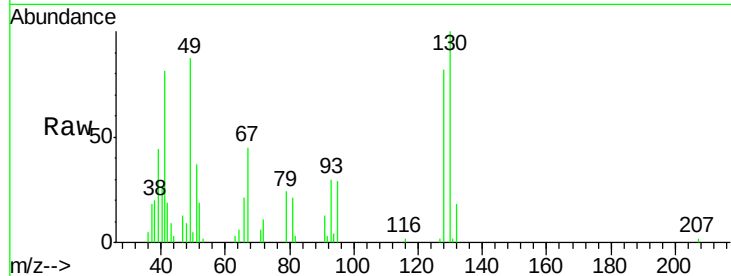
39 61.0 60.0 90.0

67 79.4 88.9 133.3#

52 32.6 36.9 55.3#

Manual Integrations
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MMDadoda
10/21/2020 2:51:58 PM



#42

1,2-Dichloroethane

Concen: 19.746 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067316.D

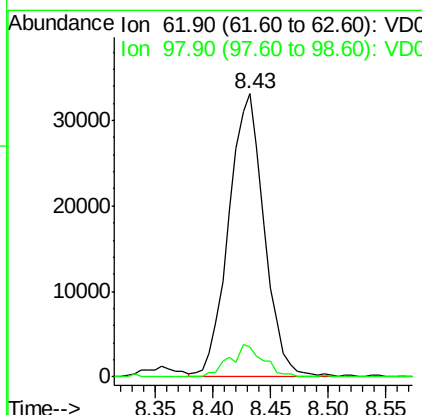
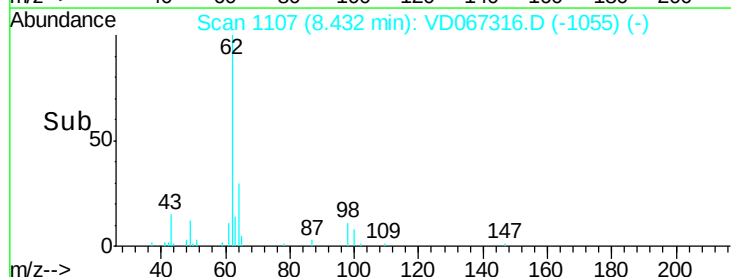
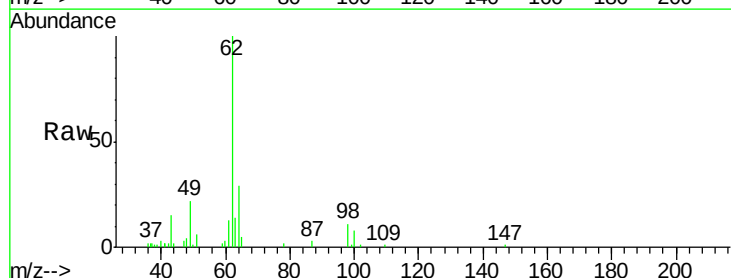
Acq: 20 Oct 2020 11:39

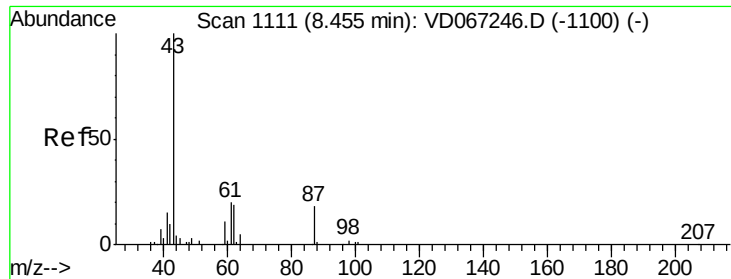
Tgt Ion: 62 Resp: 70540

Ion Ratio Lower Upper

62 100

98 10.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 19.352 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

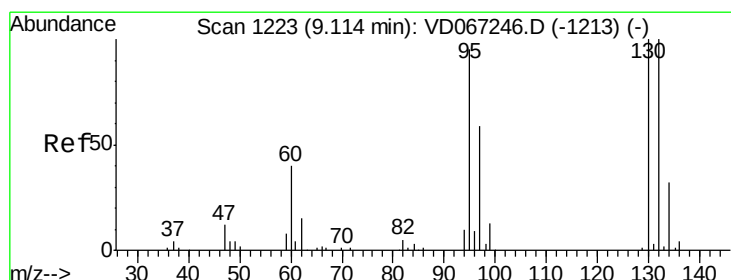
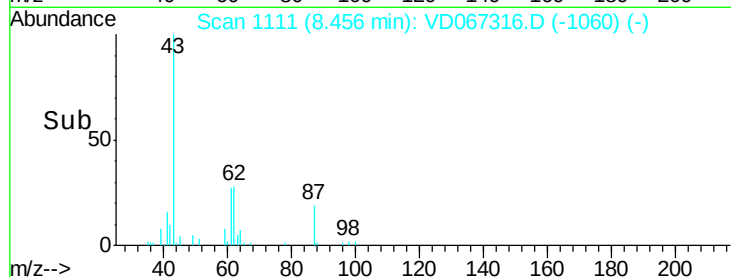
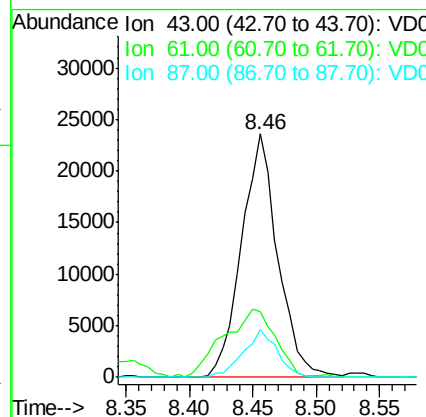
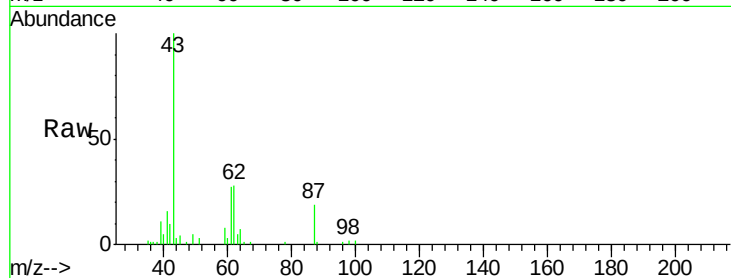
ClientSampleId :

VD1020SBS01

Tot Ion:	43	Resp:	47010
Ion	Ratio	Lower	Upper
43	100		
61	40.4	29.5	44.3
87	18.1	14.2	21.4

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#44

Trichloroethene

Concen: 20.239 ug/l

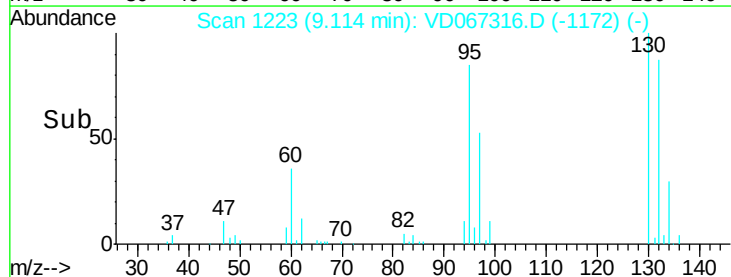
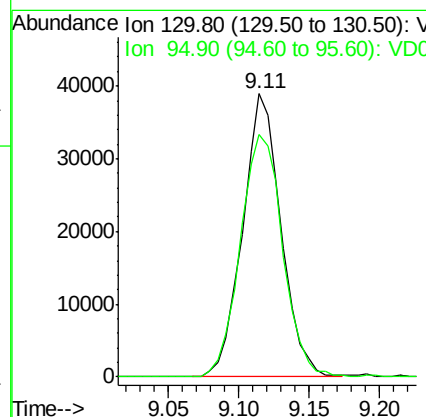
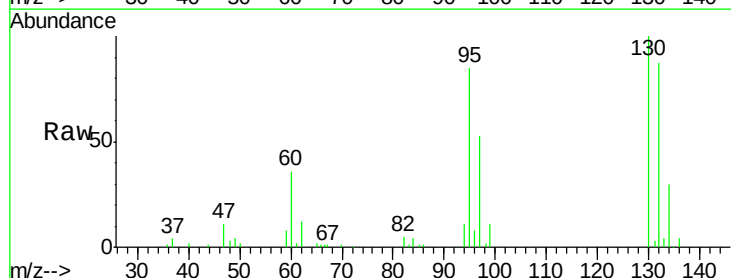
RT: 9.11 min Scan# 1223

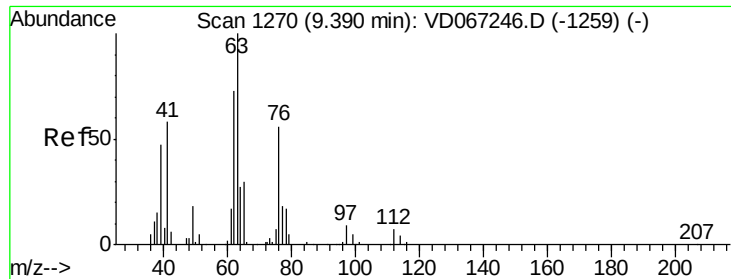
Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion:	130	Resp:	73972
Ion	Ratio	Lower	Upper
130	100		
95	85.4	0.0	190.6





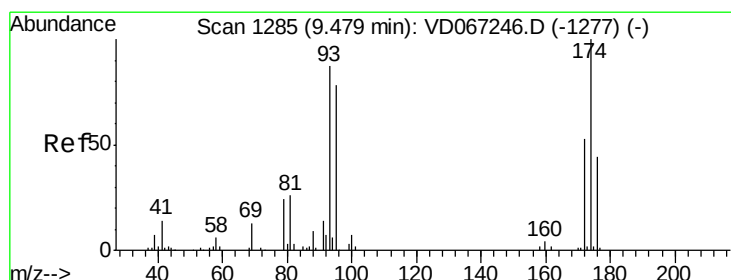
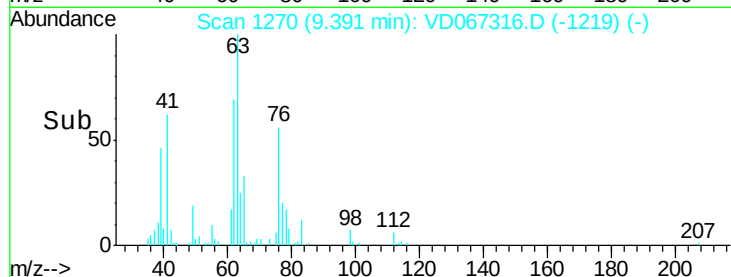
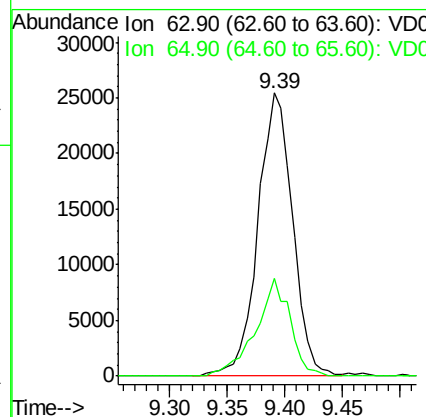
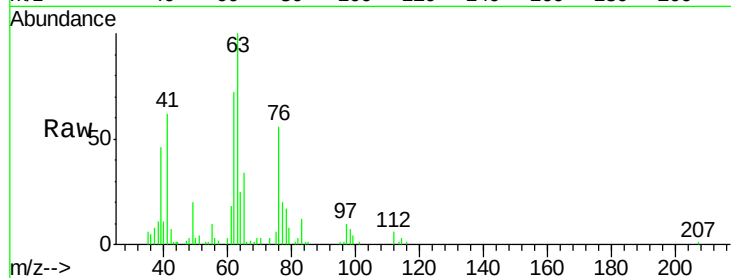
#45
 1,2-Dichloropropane
 Concen: 20.201 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion: 63 Resp: 53444
 Ion Ratio Lower Upper
 63 100
 65 34.4 24.6 36.8

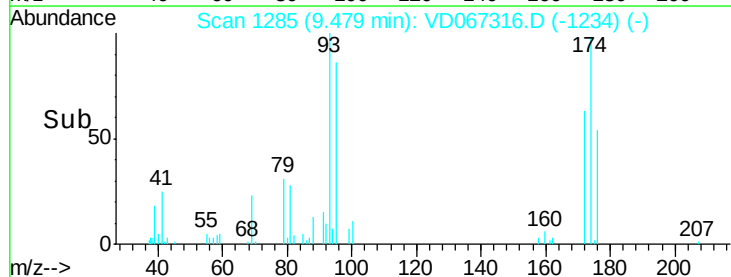
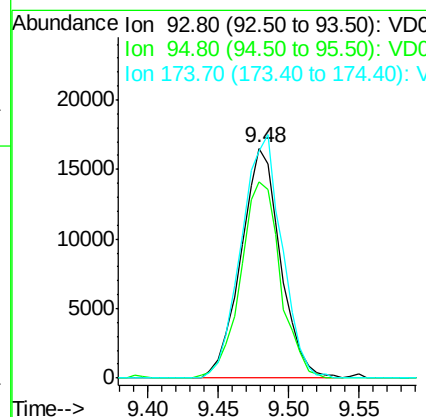
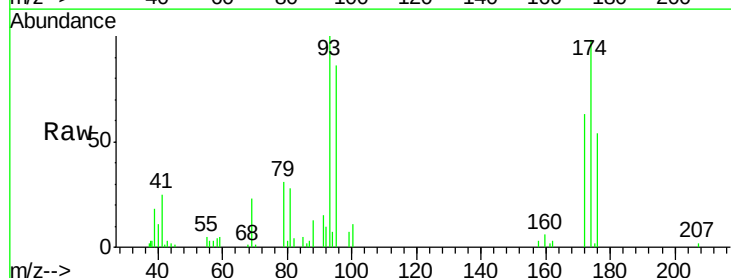
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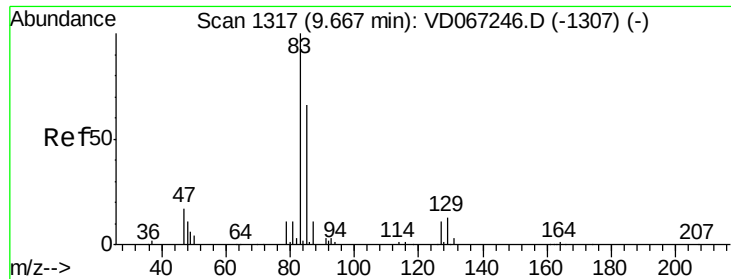
MMDadoda
 10/21/2020 2:51:58 PM



#46
 Dibromomethane
 Concen: 19.681 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion: 93 Resp: 32441
 Ion Ratio Lower Upper
 93 100
 95 85.5 68.0 102.0
 174 108.3 91.8 137.6





#47

Bromodichloromethane

Concen: 20.144 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

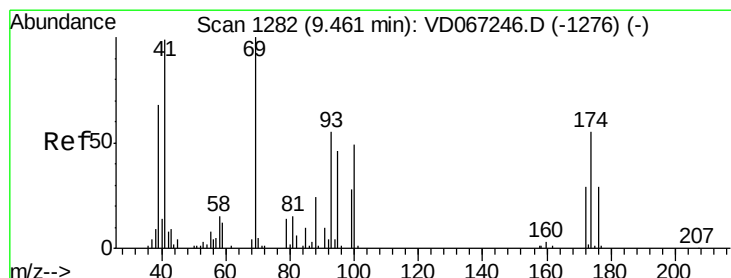
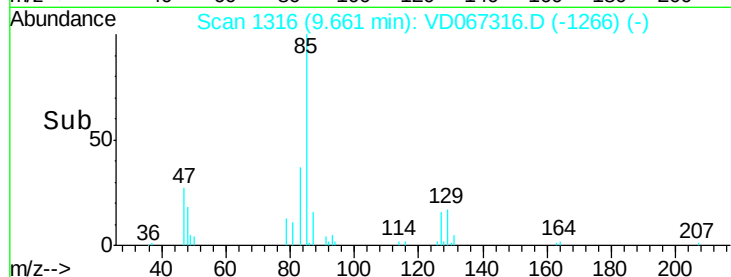
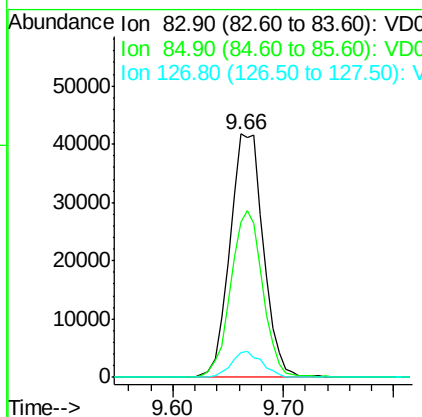
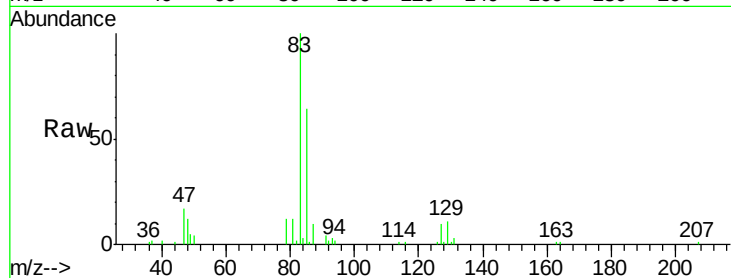
ClientSampleId :

VD1020SBS01

Tot Ion:	83	Resp:	88961
Ion Ratio	Lower	Upper	
83	100		
85	63.9	53.1	79.7
127	10.1	8.6	13.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.622 ug/l

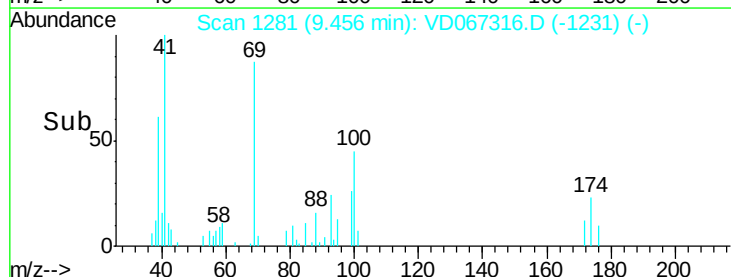
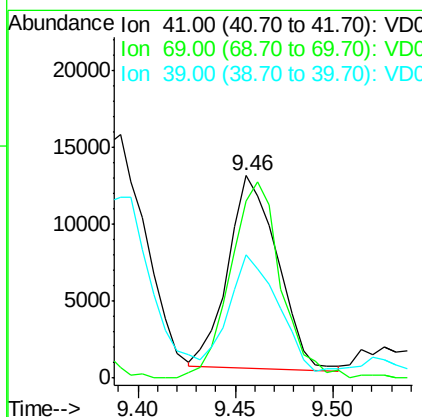
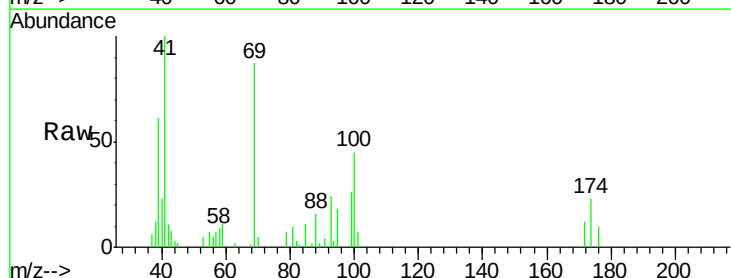
RT: 9.46 min Scan# 1281

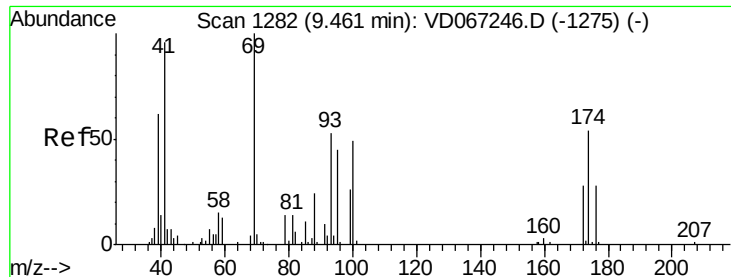
Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion:	41	Resp:	21983
Ion Ratio	Lower	Upper	
41	100		
69	104.8	89.0	133.6
39	57.7	60.2	90.2#





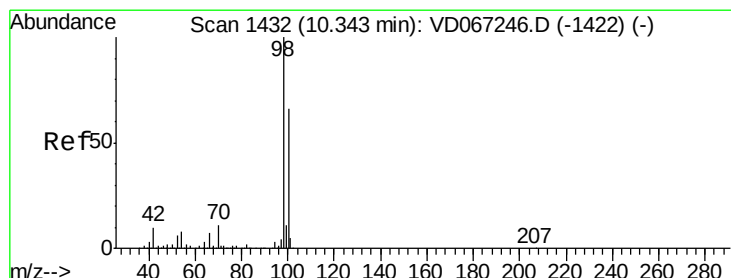
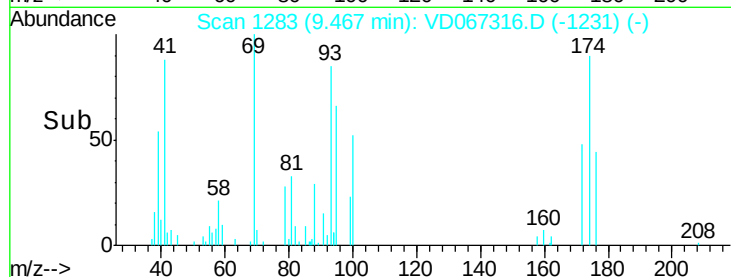
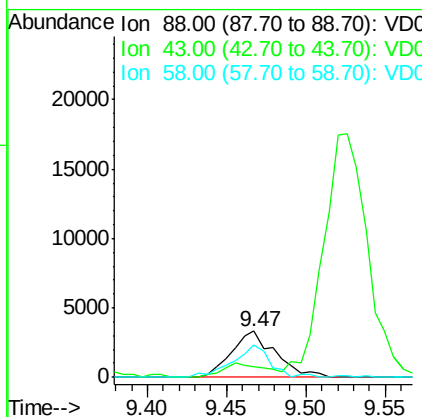
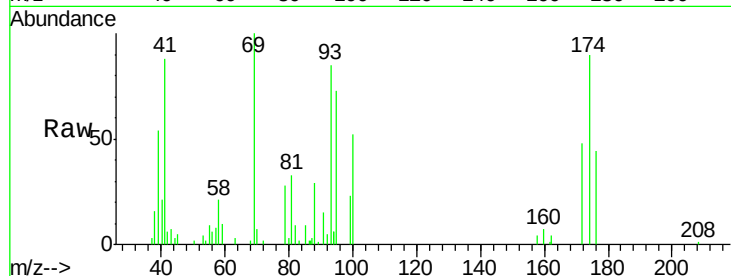
#49
1,4-Dioxane
Concen: 378.717 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	23.9	35.9
58	60.4	51.0	76.6

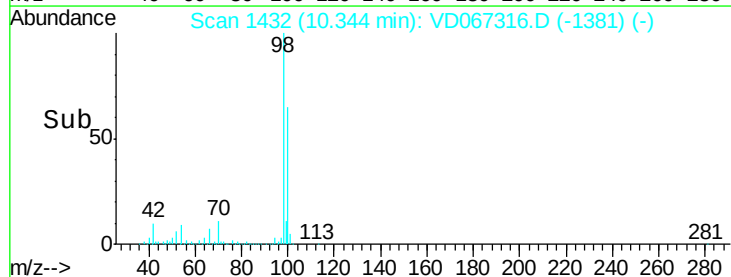
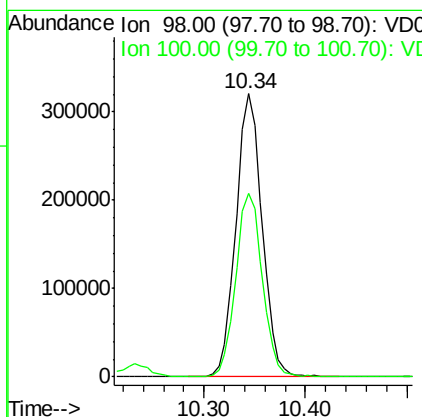
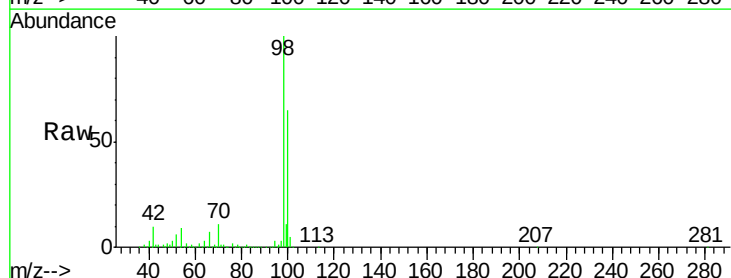
Manual Integrations
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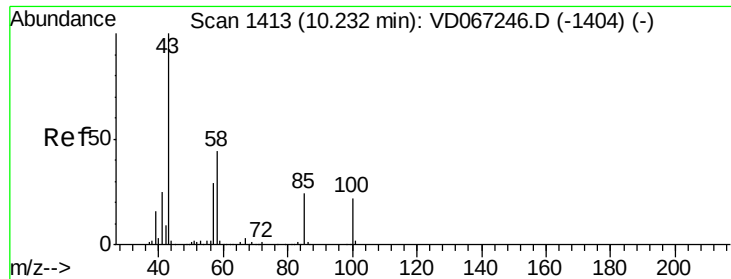
MMDadoda
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#50
Toluene-d8
Concen: 48.775 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.1	79.7





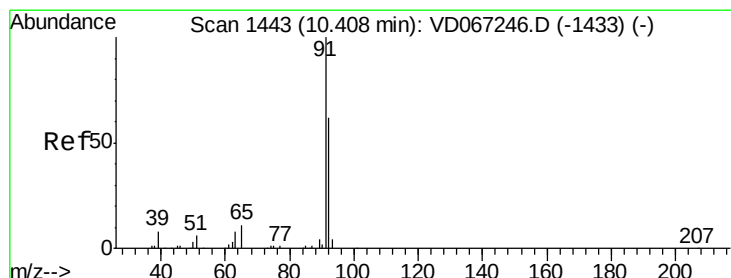
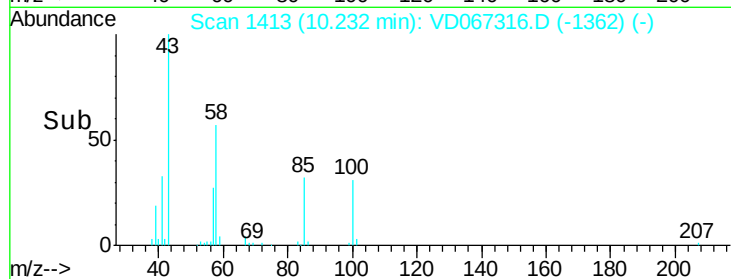
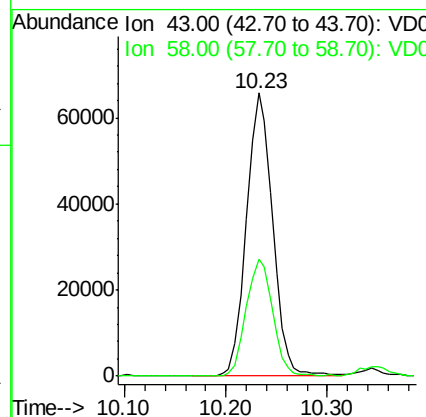
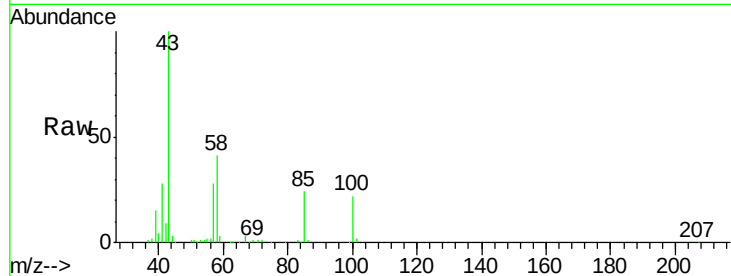
#51
 4-Methyl-2-Pentanone
 Concen: 97.570 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1020SBS01

Tot Ion	43	Resp	118217
Ion Ratio	100	Lower	Upper
43	100		
58	41.8	35.7	53.5

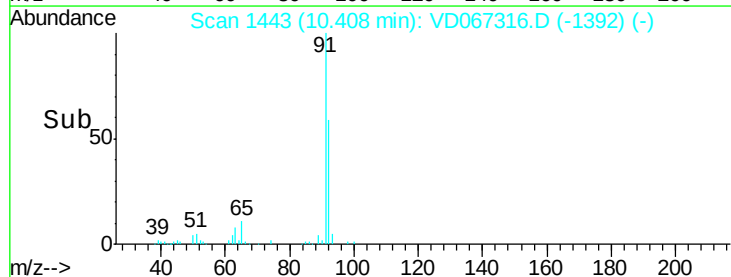
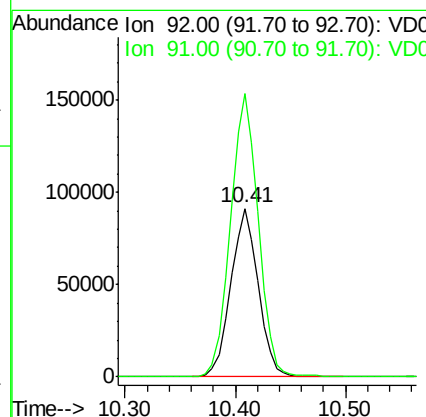
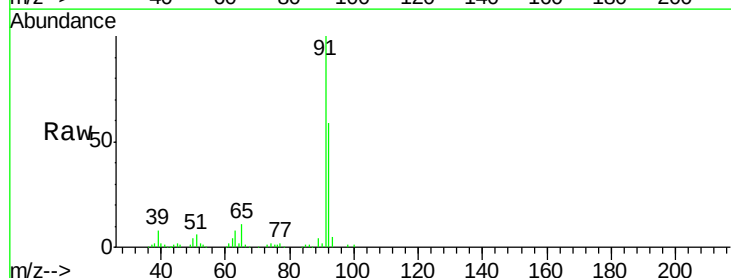
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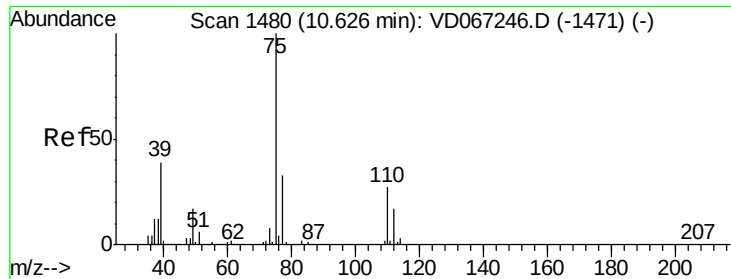
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#52
 Toluene
 Concen: 20.452 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion	92	Resp	159016
Ion Ratio	100	Lower	Upper
92	100		
91	170.6	133.8	200.8





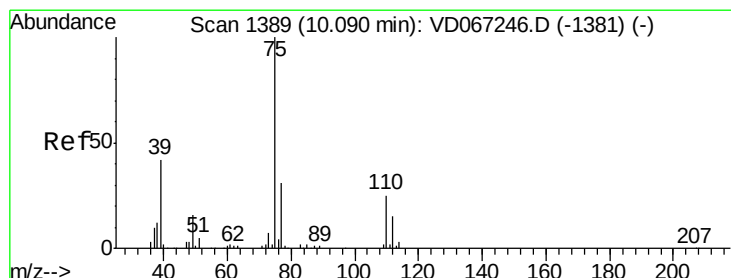
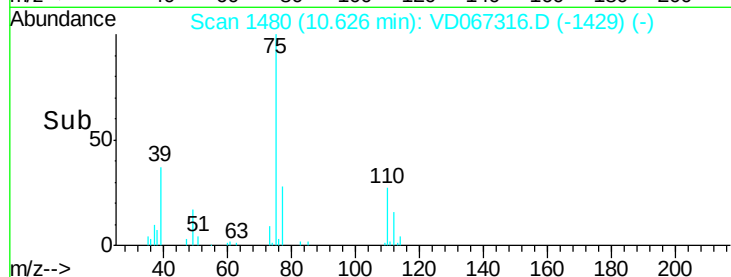
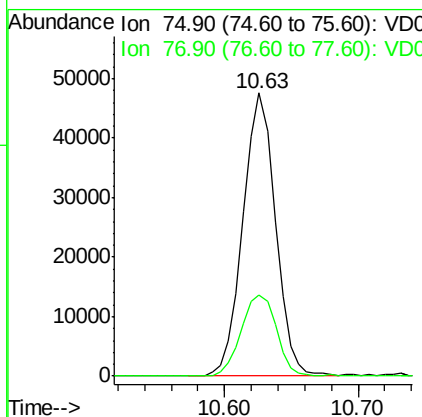
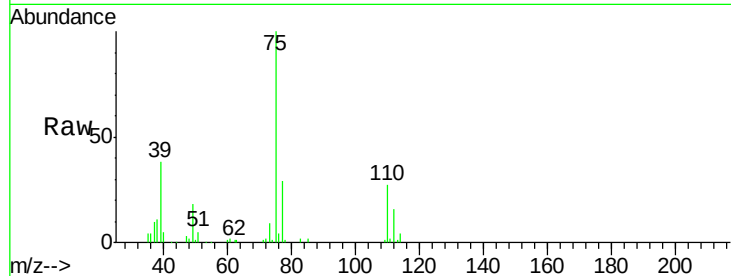
#53
 t-1,3-Dichloropropene
 Concen: 20.707 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.7	26.5	39.7

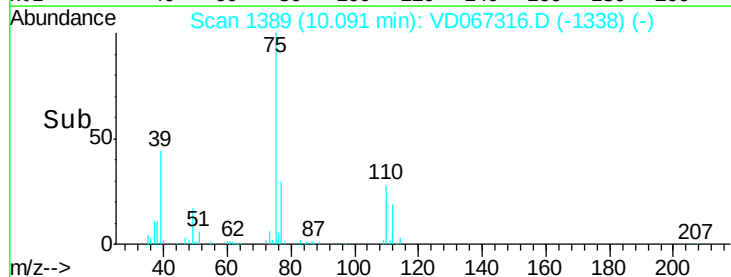
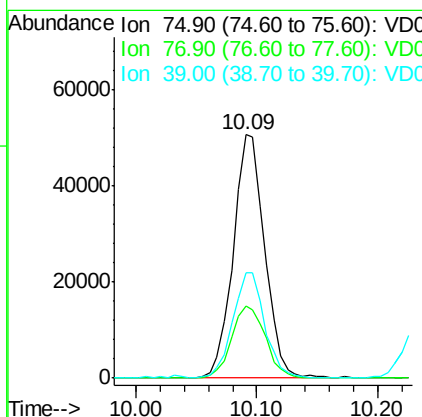
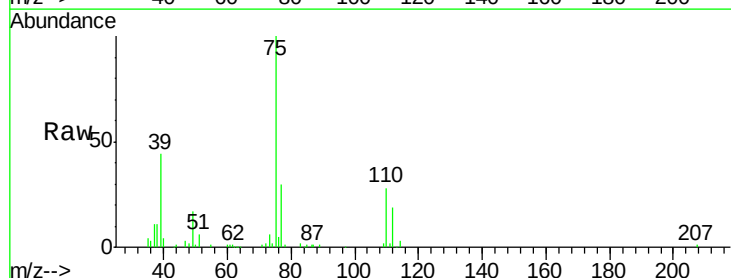
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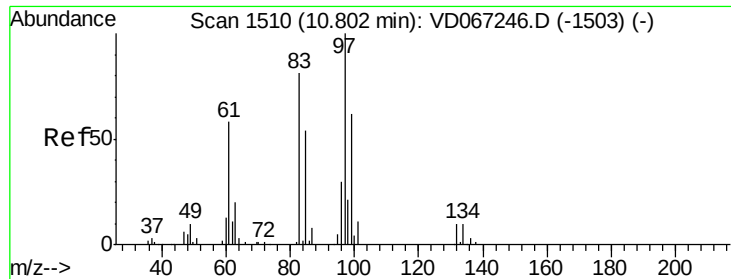
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#54
 cis-1,3-Dichloropropene
 Concen: 20.272 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.5	36.7
39	43.2	33.7	50.5





#55

1,1,2-Trichloroethane

Concen: 19.866 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

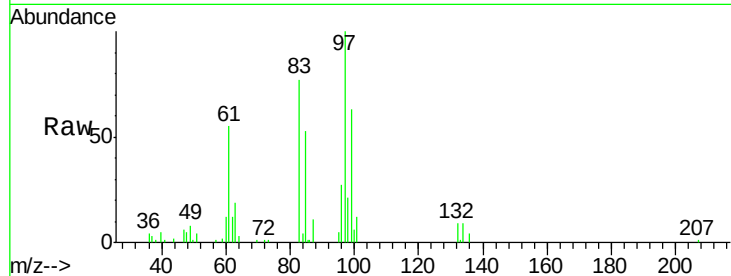
ClientSampleId :

VD1020SBS01

Tot Ion:	97	Resp:	44654
Ion	Ratio	Lower	Upper
97	100		
83	77.0	64.9	97.3
85	52.6	43.3	64.9
99	63.5	49.1	73.7

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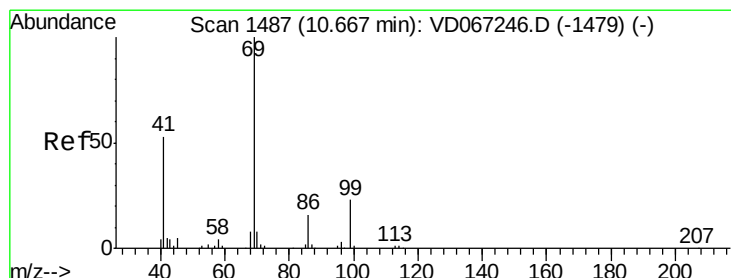
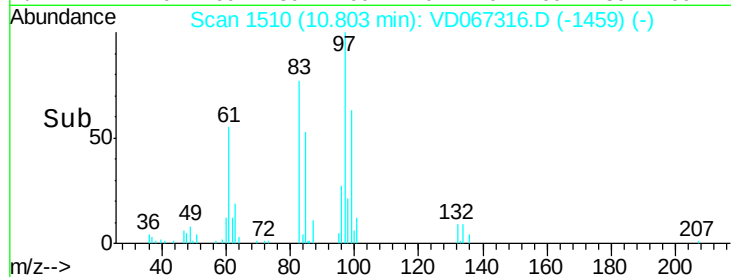
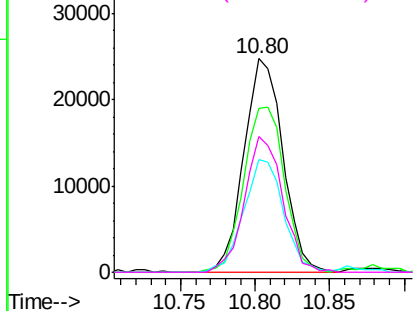


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.090 ug/l

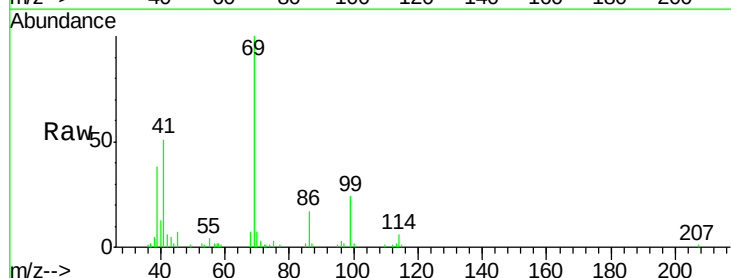
RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

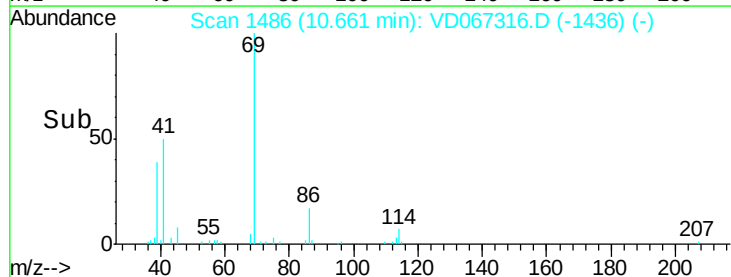
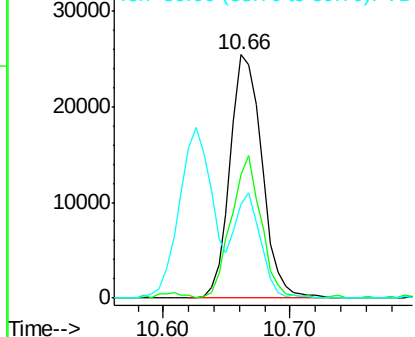
Tgt Ion:	69	Resp:	44502
Ion	Ratio	Lower	Upper
69	100		
41	54.7	44.7	67.1
39	34.9	26.2	39.2

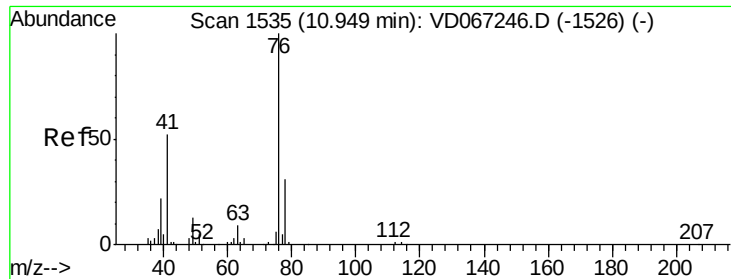


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





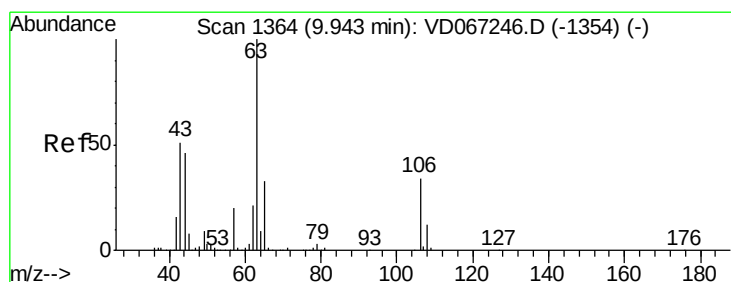
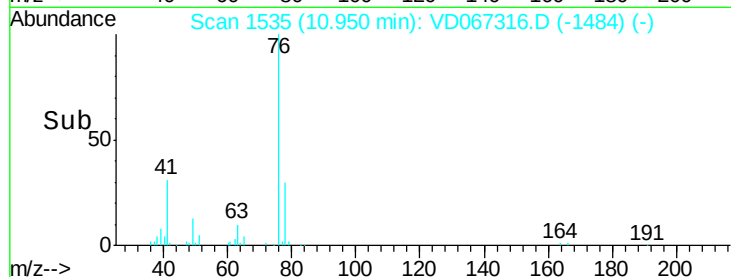
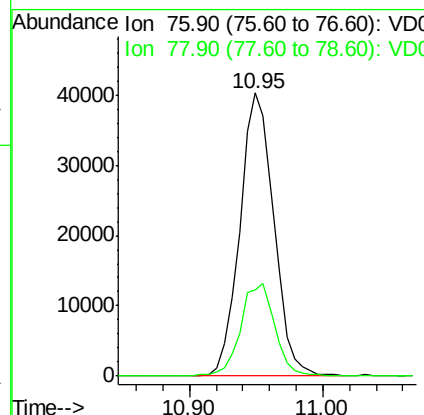
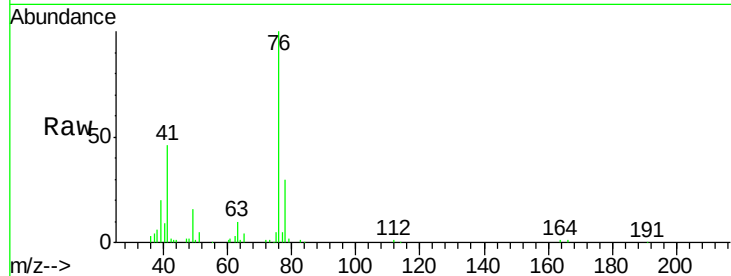
#57
 1,3-Dichloropropane
 Concen: 19.812 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.8	40.2

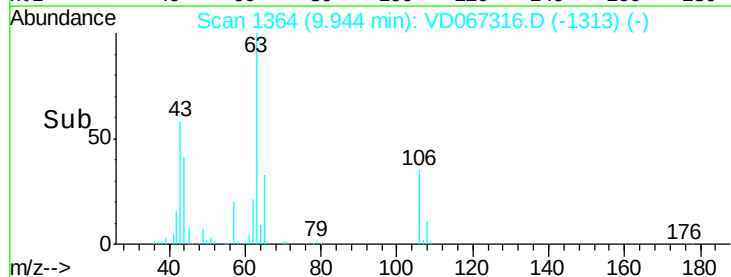
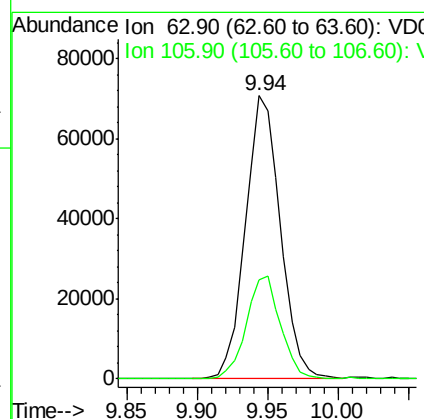
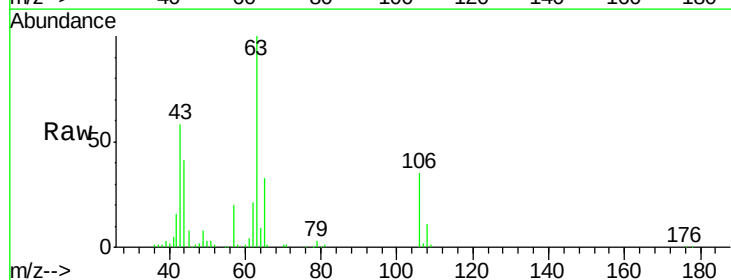
Manual Integrations
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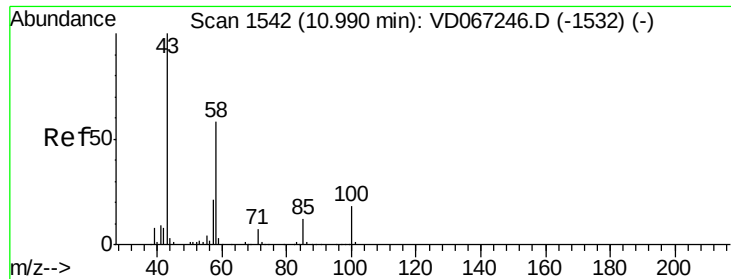
MMDadoda
 10/21/2020 2:51:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.738 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.6	27.8	41.6





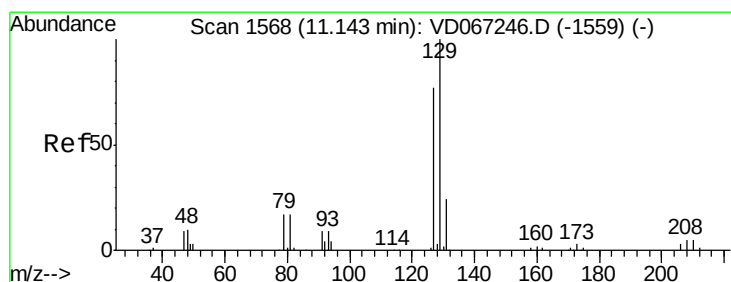
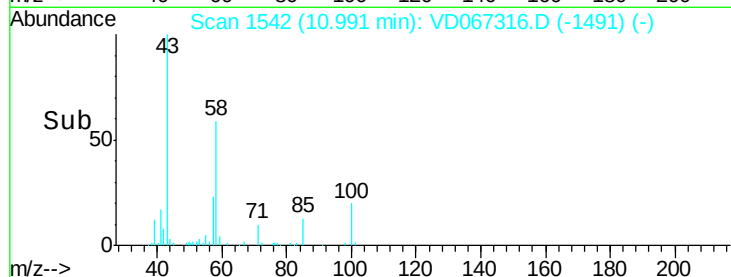
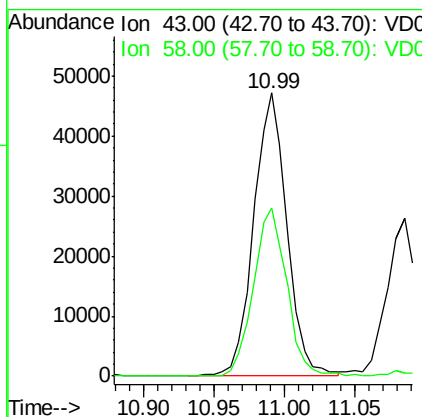
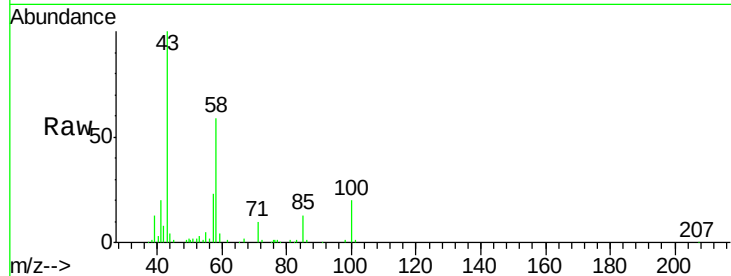
#59
2-Hexanone
Concen: 94.107 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

Tot Ion: 43 Resp: 77914
Ion Ratio Lower Upper
43 100
58 59.8 29.3 87.9

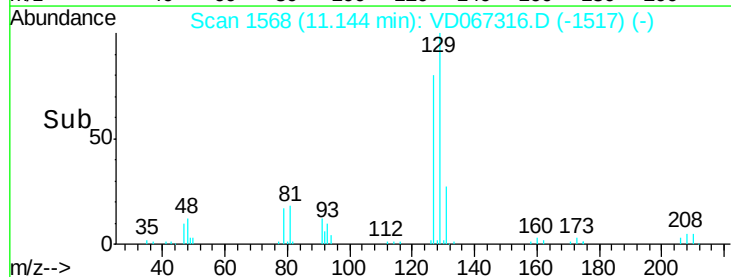
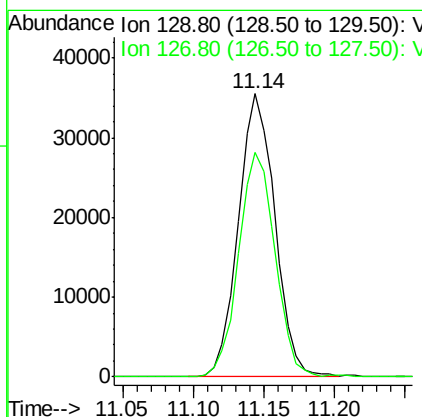
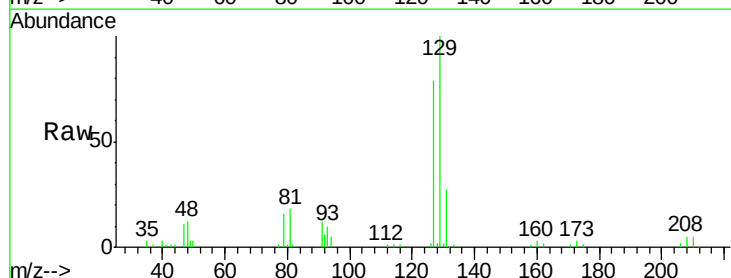
Manual Integrations
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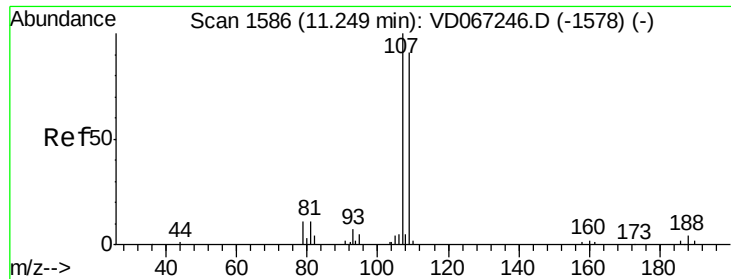
MMDadoda
10/21/2020 2:51:58 PM



#60
Dibromochloromethane
Concen: 19.659 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 129 Resp: 64440
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.8





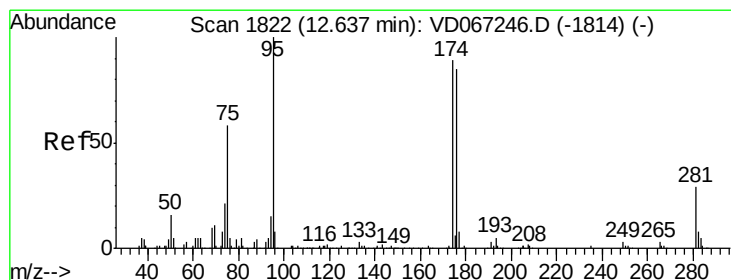
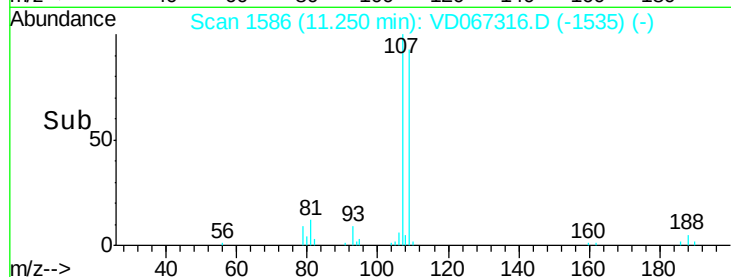
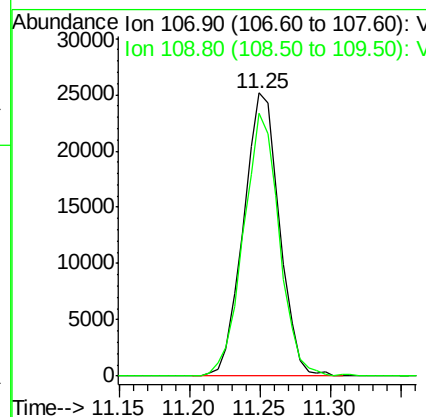
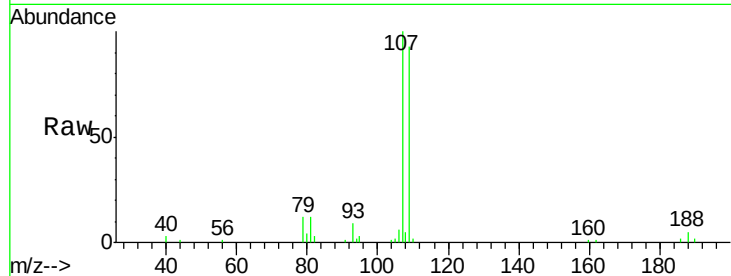
#61
 1,2-Dibromoethane
 Concen: 20.286 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	74.6	112.0

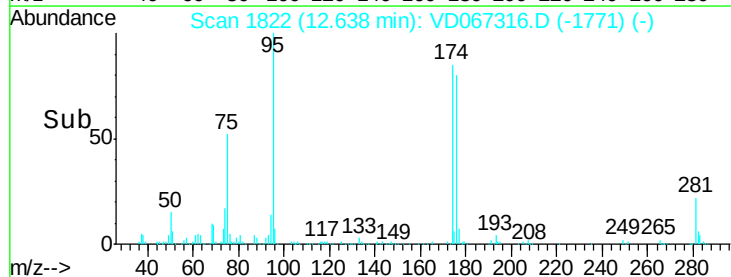
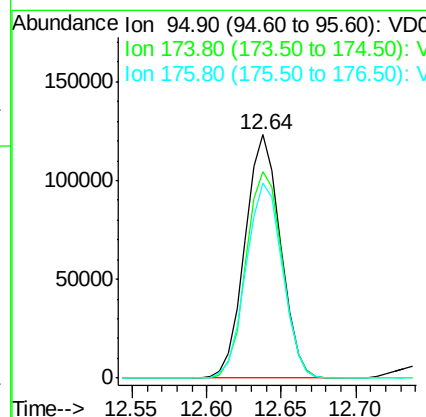
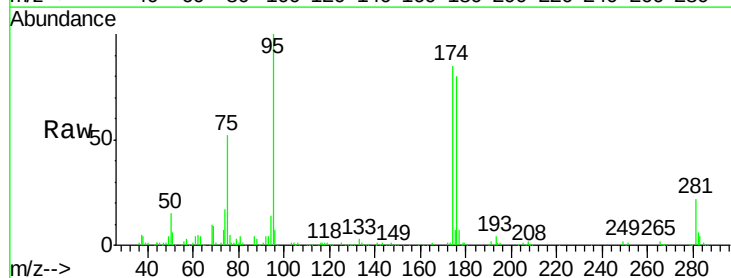
Manual Integrations
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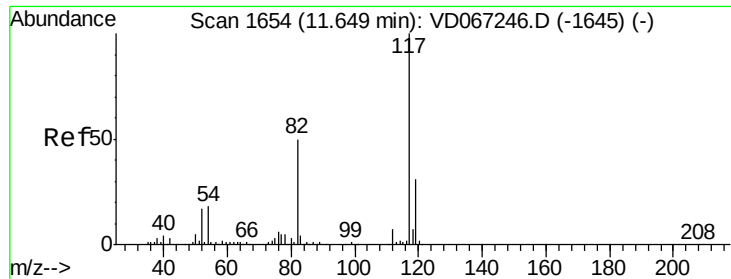
MMDadoda
 10/21/2020 2:51:58 PM



#62
 4-Bromofluorobenzene
 Concen: 49.303 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	175.2
176	82.3	0.0	168.6





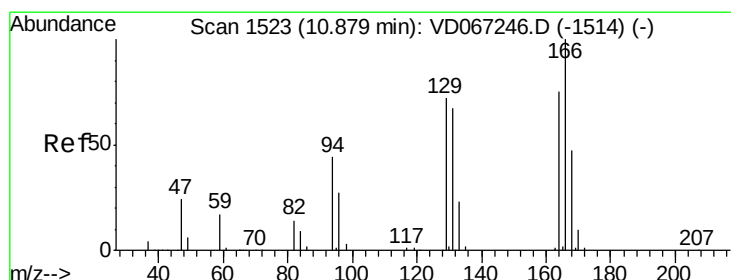
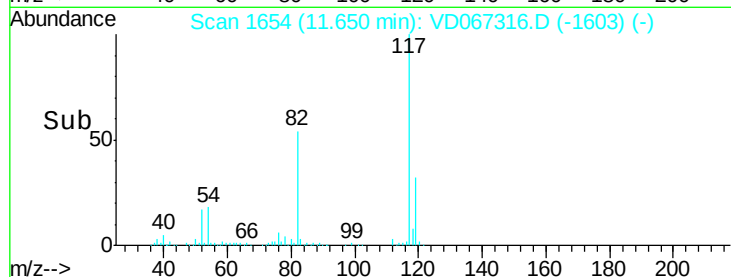
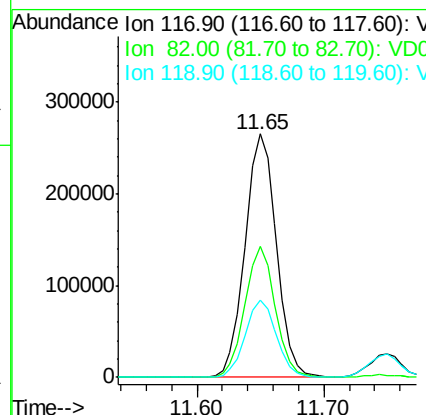
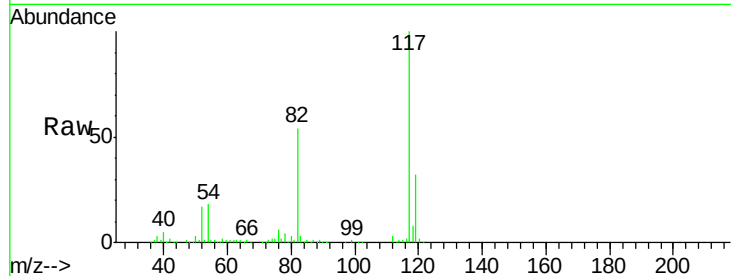
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	455586		
82	53.9		39.9	59.9
119	31.6		24.9	37.3

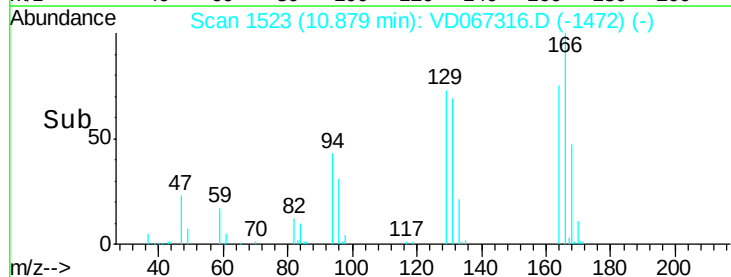
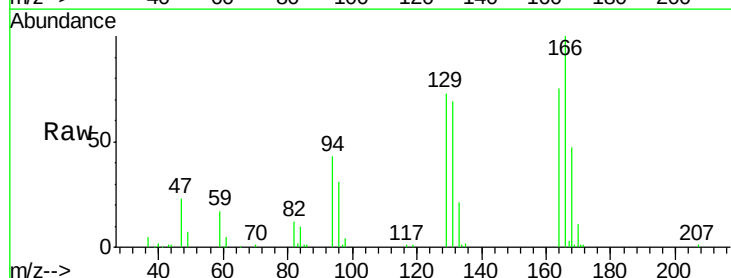
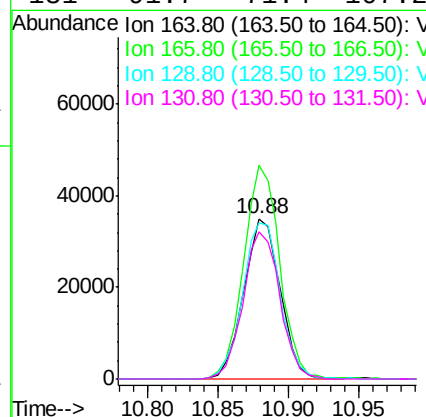
Manual Integrations
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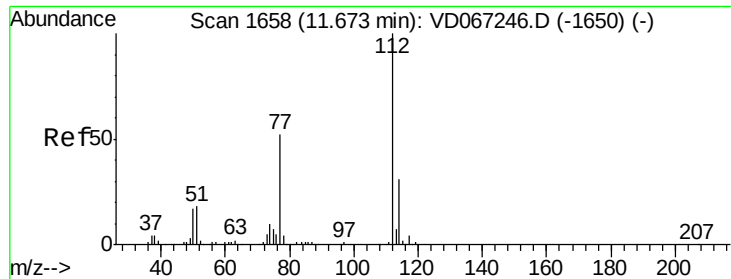
MMDadoda
10/21/2020 2:51:58 PM



#64
Tetrachloroethene
Concen: 19.220 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	63444		
166	133.0		107.3	160.9
129	97.5		77.3	115.9
131	91.7		71.4	107.2





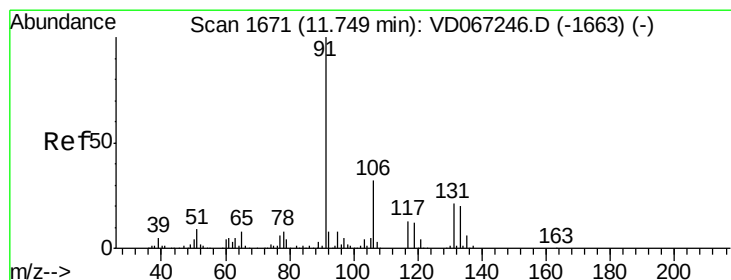
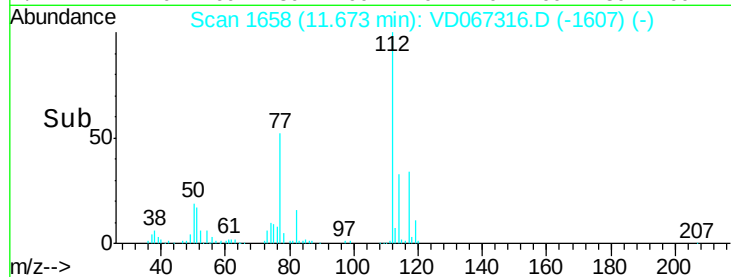
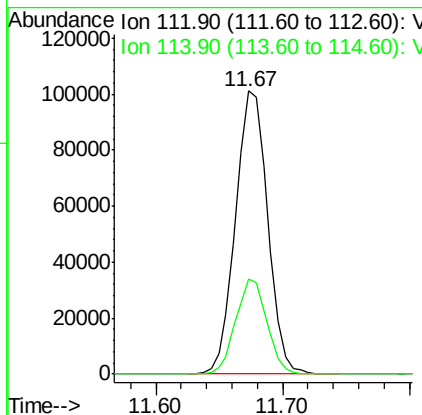
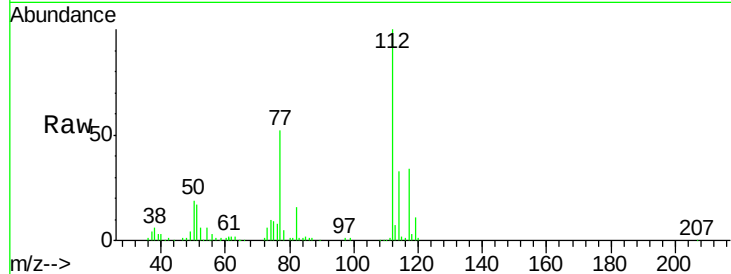
#65
Chlorobenzene
Concen: 20.425 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

Tot Ion:112 Resp: 178438
Ion Ratio Lower Upper
112 100
114 33.4 25.0 37.4

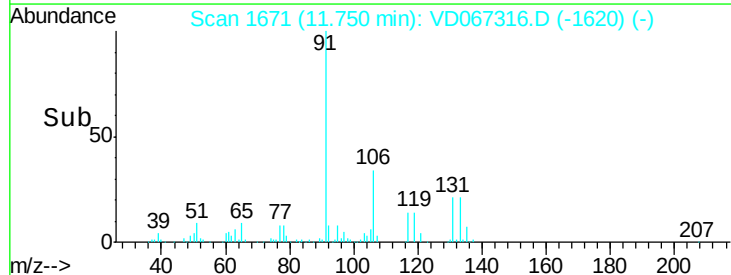
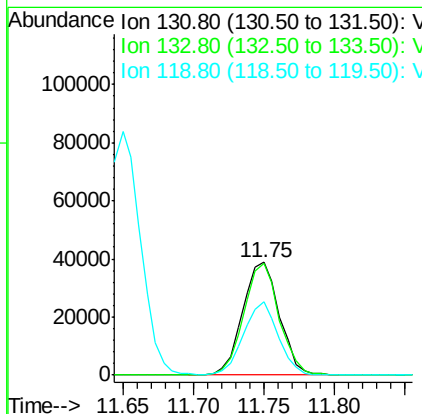
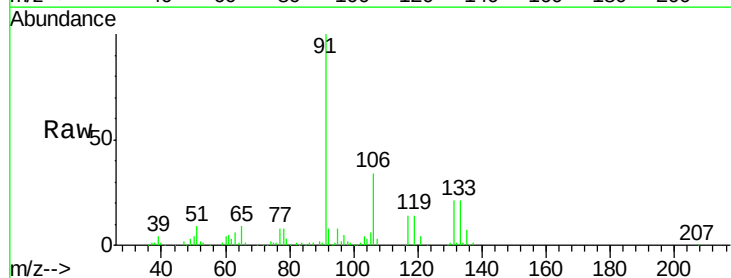
Manual Integrations
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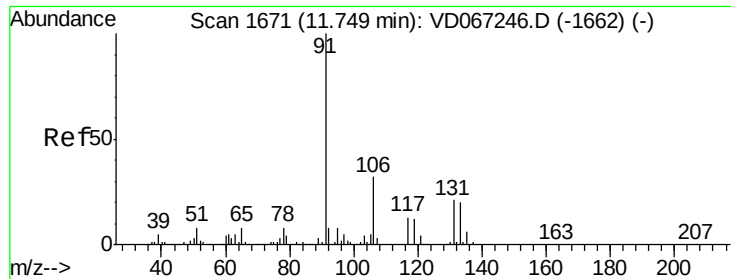
MMDadoda
10/21/2020 2:51:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.369 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion:131 Resp: 70724
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.3
119 61.6 30.0 90.0





#67

Ethyl Benzene

Concen: 20.227 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 91 Resp: 302922

Ion Ratio Lower Upper

91 100

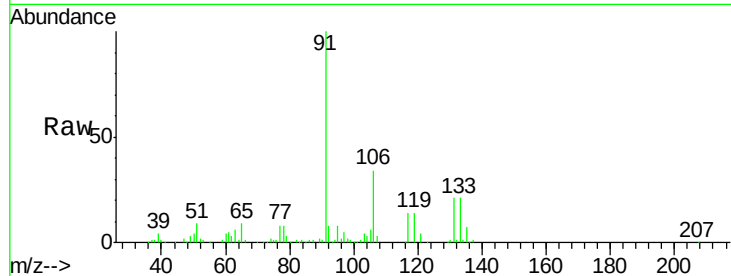
106 33.7 25.4 38.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

100000

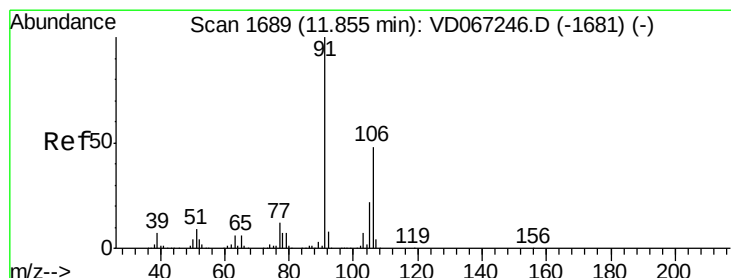
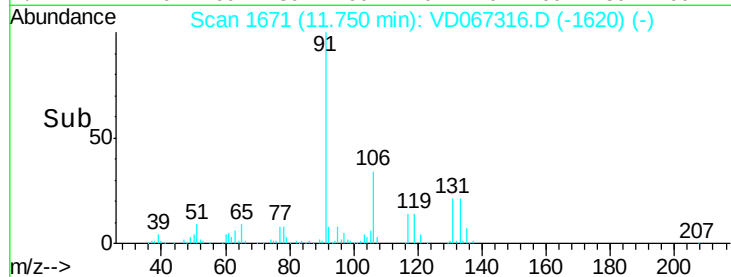
50000

0

11.75

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 41.255 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067316.D

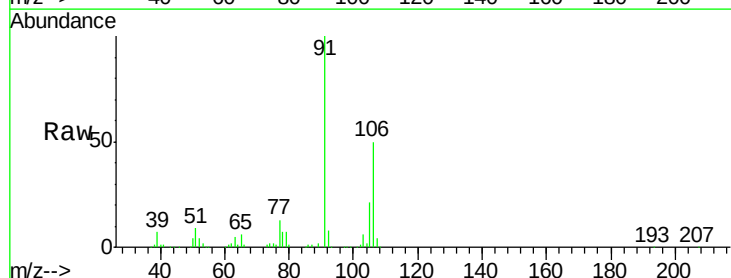
Acq: 20 Oct 2020 11:39

Tgt Ion: 106 Resp: 237916

Ion Ratio Lower Upper

106 100

91 202.5 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

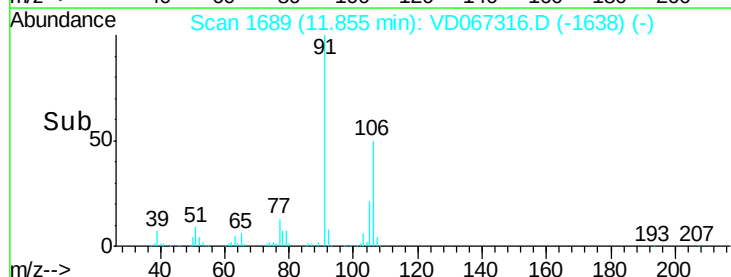
50000

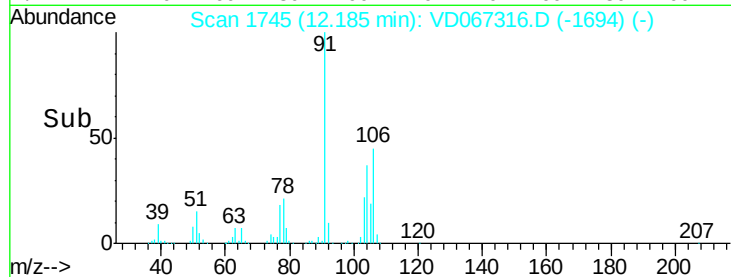
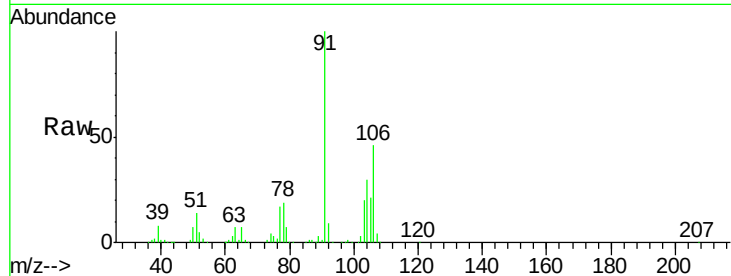
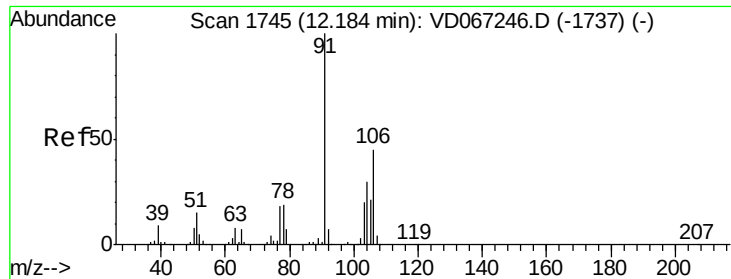
0

11.86

11.80 11.85 11.90

Time-->





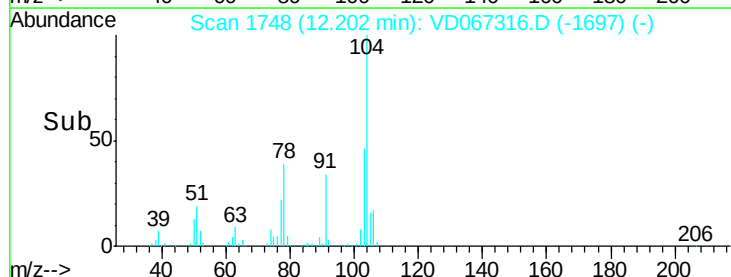
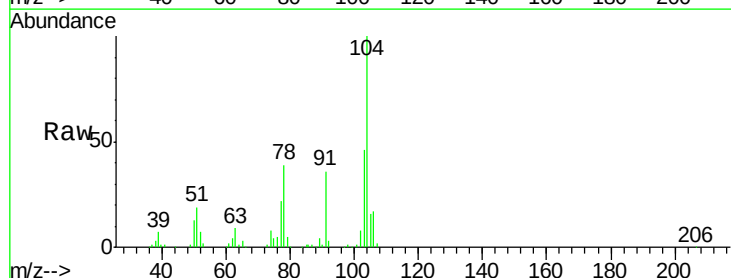
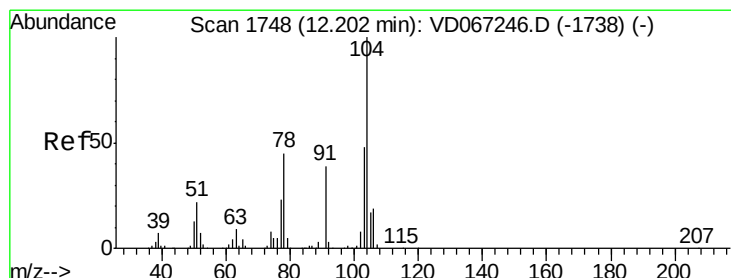
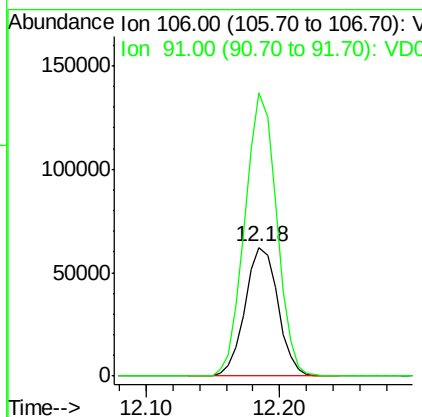
#69
o-Xylene
Concen: 19.788 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		105675		
91	213.2	109.1	327.3		

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

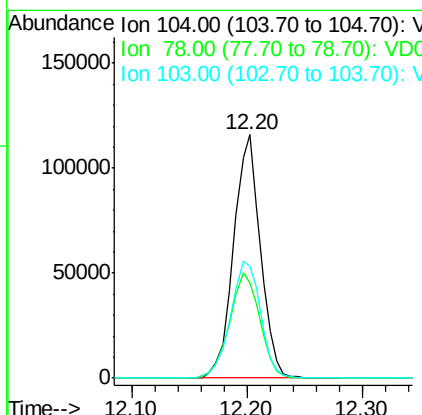
Manual Integrations
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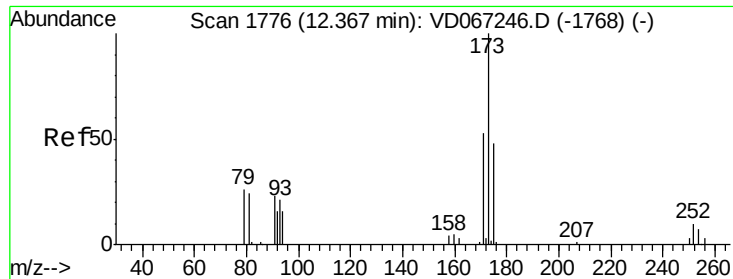
MMDadoda
10/21/2020 2:51:58 PM



#70
Styrene
Concen: 20.268 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		186317		
78	48.4	39.8	59.6		
103	53.9	42.6	64.0		





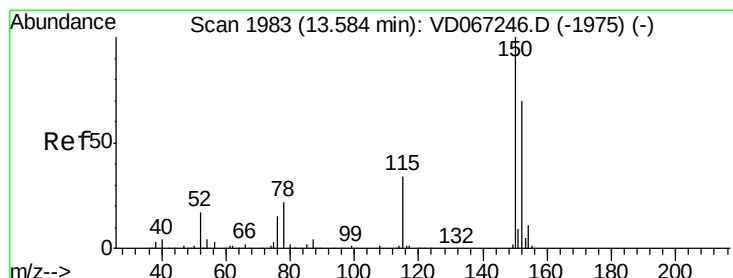
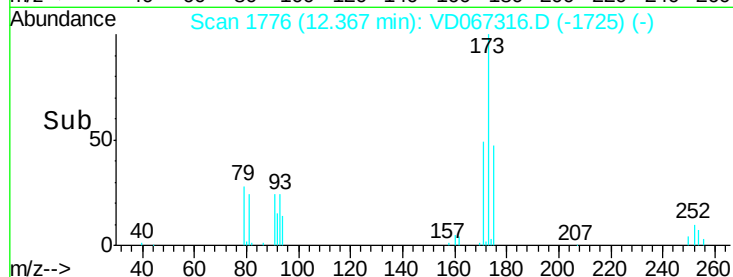
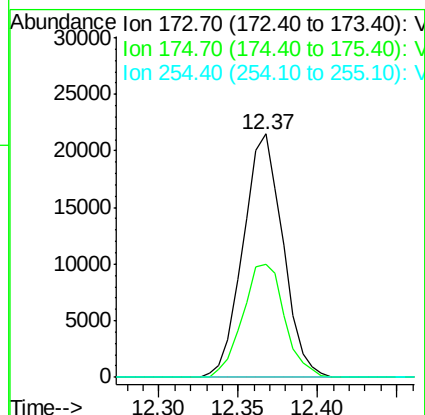
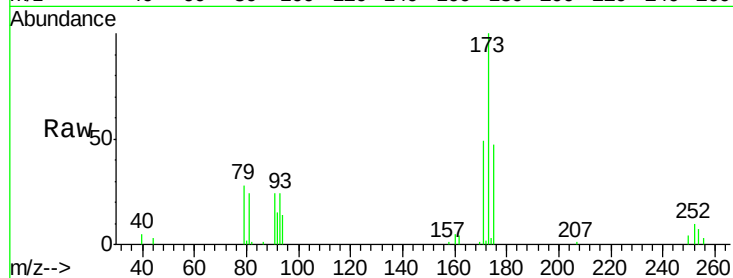
#71
Bromoform
Concen: 20.067 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.0	0.1	0.1#

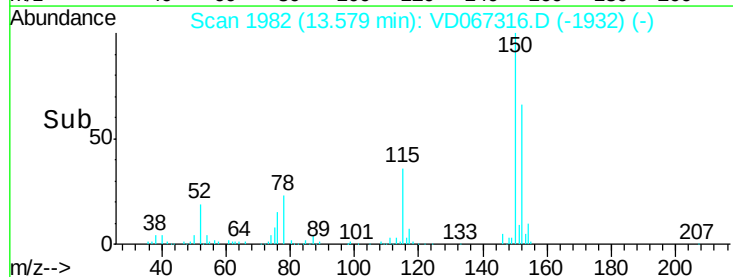
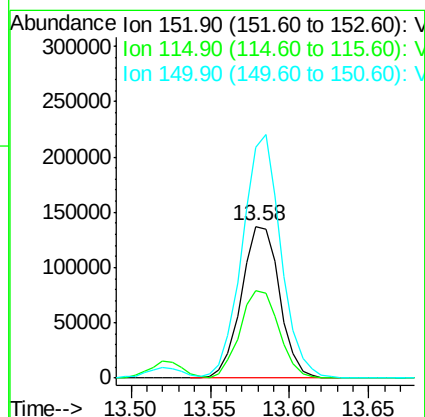
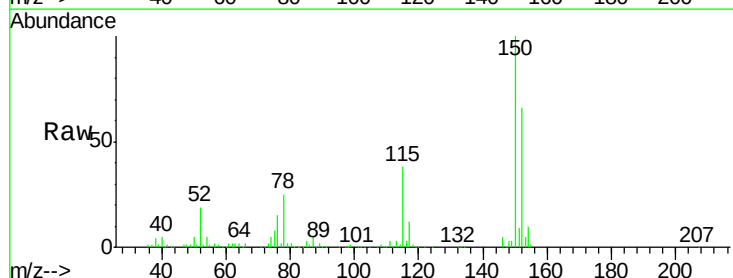
Manual Integrations
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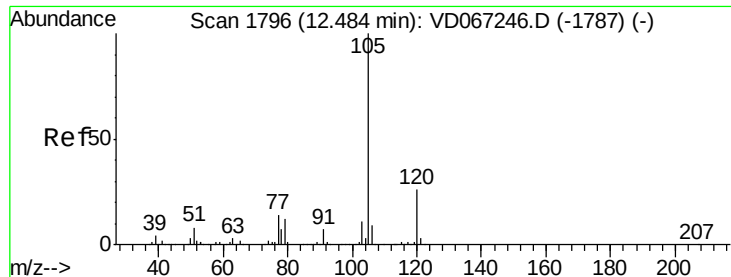
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	87.9
150	162.0	0.0	339.0





#73

Isopropylbenzene

Concen: 20.501 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion:105 Resp: 298468

Ion Ratio Lower Upper

105 100

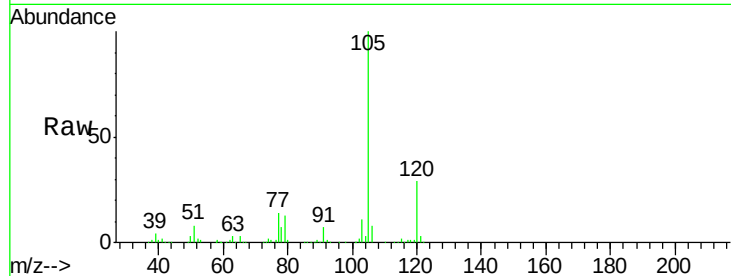
120 27.4 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

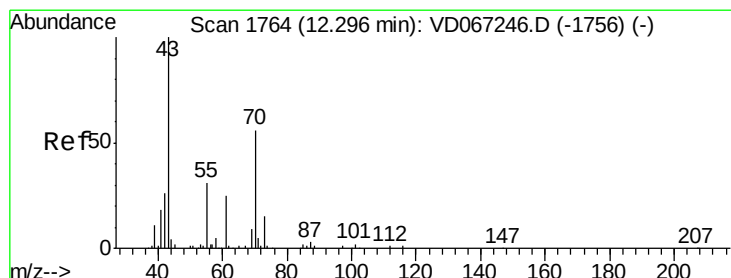
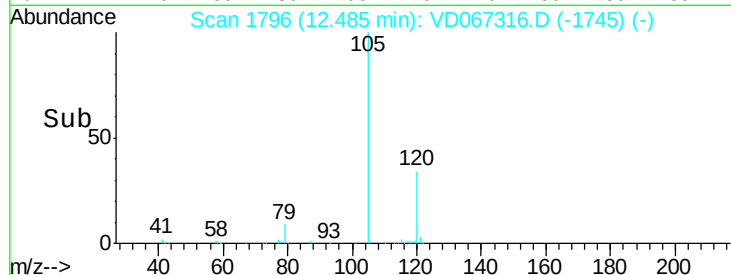
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 18.679 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion: 43 Resp: 41073

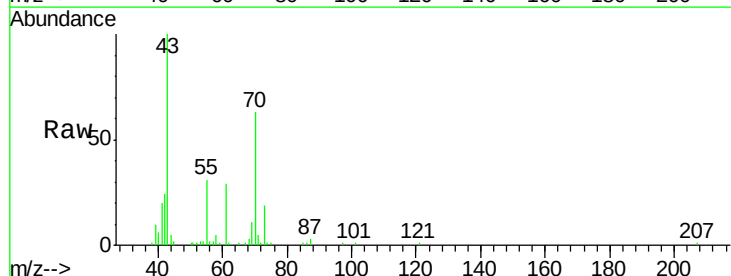
Ion Ratio Lower Upper

43 100

70 56.3 42.7 64.1

55 31.2 24.0 36.0

61 29.6 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

30000

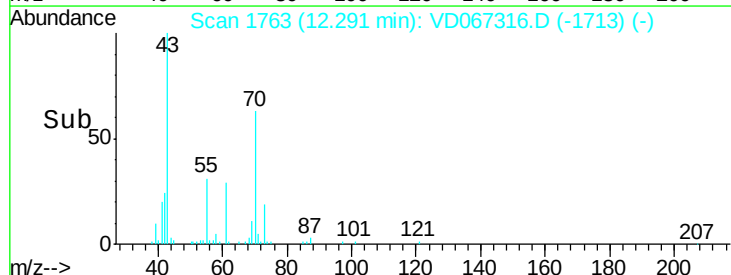
20000

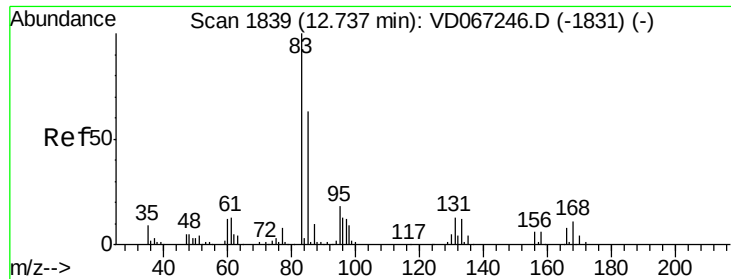
10000

0

12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.801 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

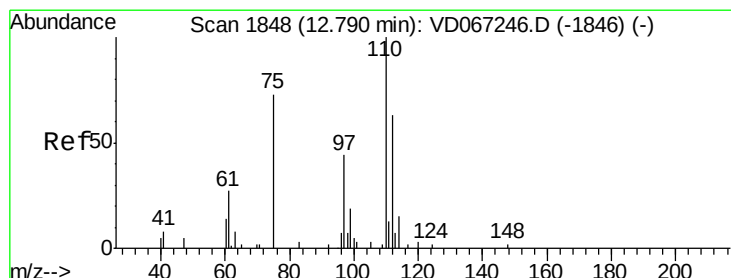
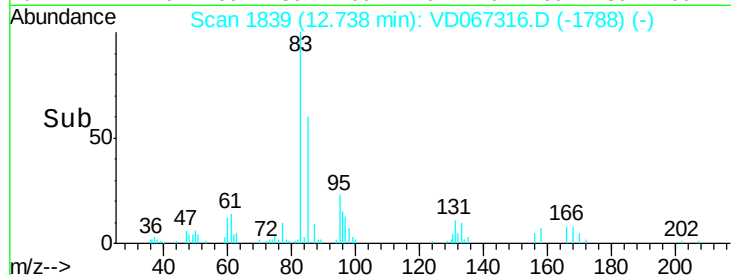
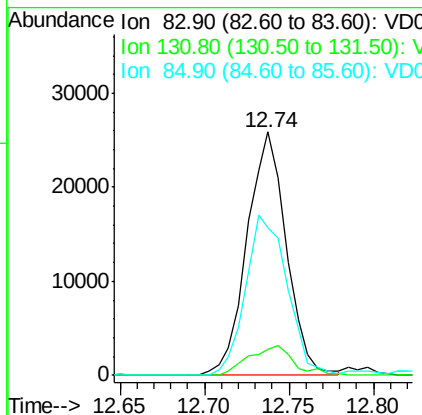
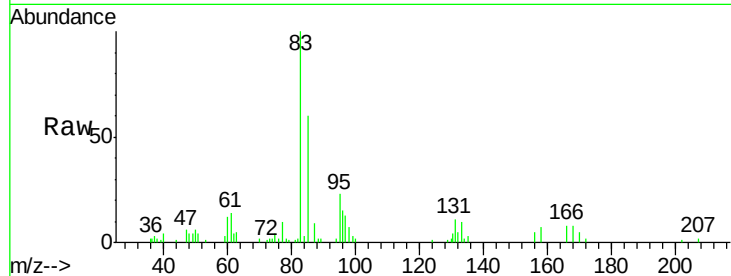
ClientSampleId :

VD1020SBS01

Tot Ion:	83	Resp:	41940
Ion Ratio	Lower	Upper	
83	100		
131	14.0	6.5	19.5
85	69.7	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.025 ug/l m

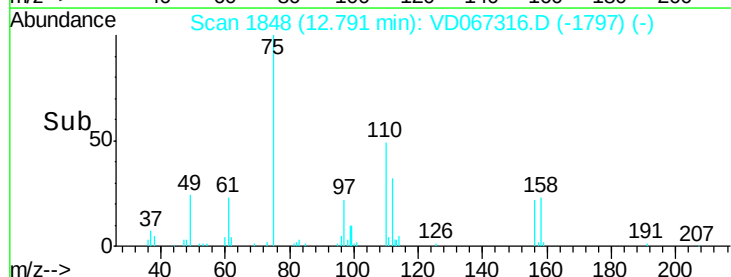
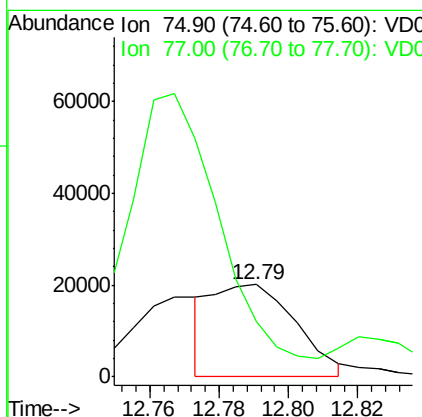
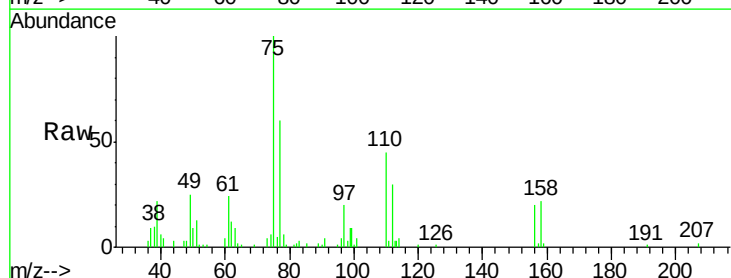
RT: 12.79 min Scan# 1848

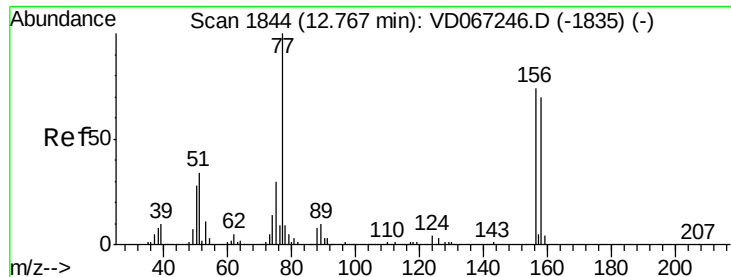
Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion:	75	Resp:	33427
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.240 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

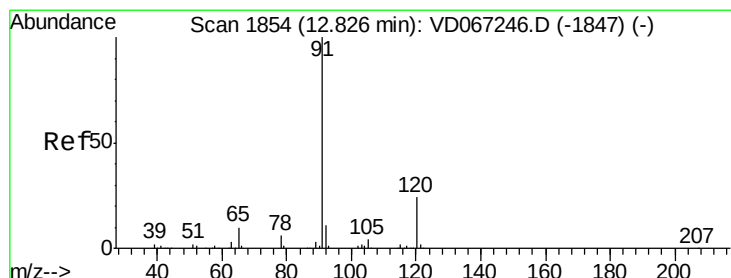
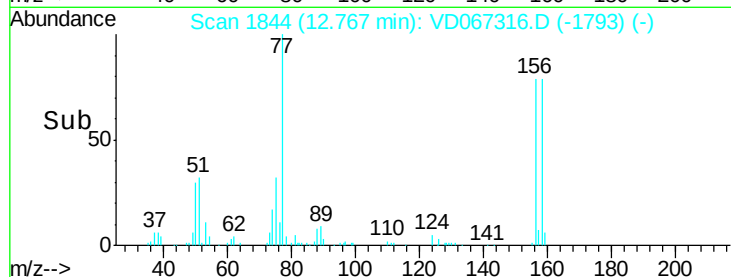
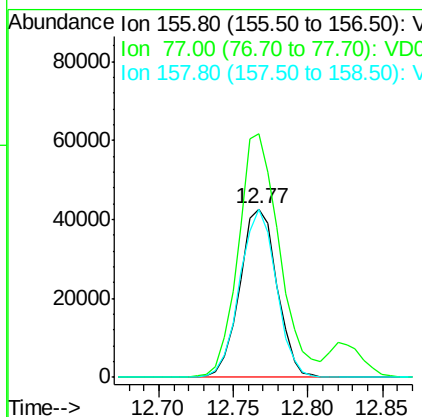
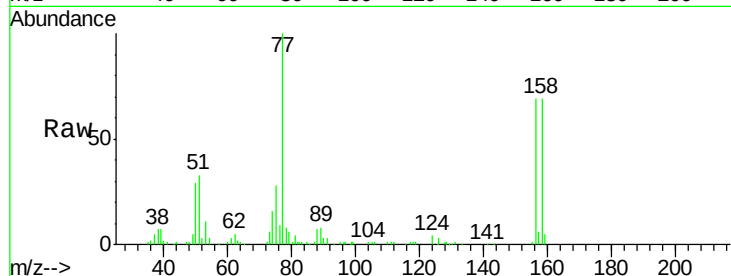
ClientSampleId :

VD1020SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.8	78.0	233.8
158	97.5	49.1	147.3

Manual Integrations
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10/21/2020 2:51:58 PM



#78

n-propylbenzene

Concen: 20.724 ug/l

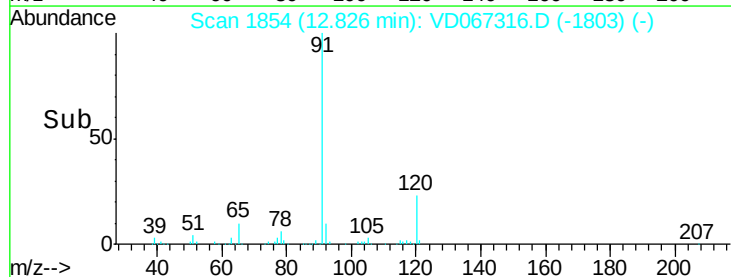
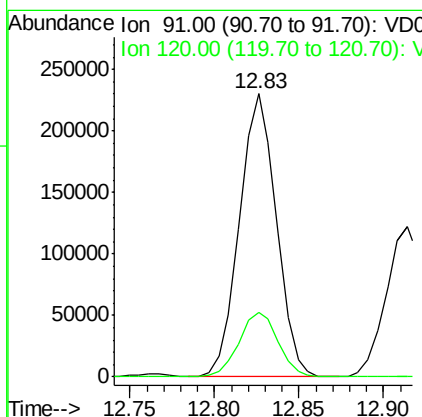
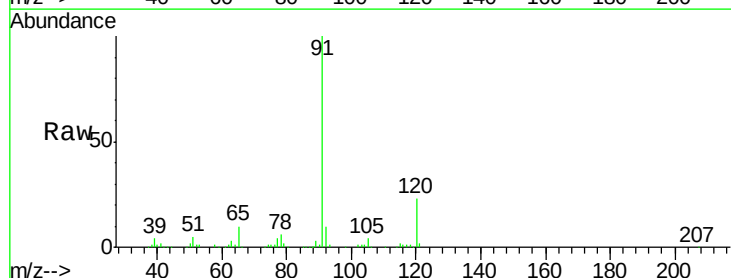
RT: 12.83 min Scan# 1854

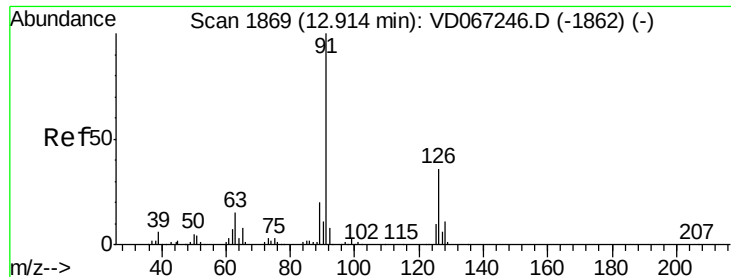
Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.719 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 91 Resp: 202678

Ion Ratio Lower Upper

91 100

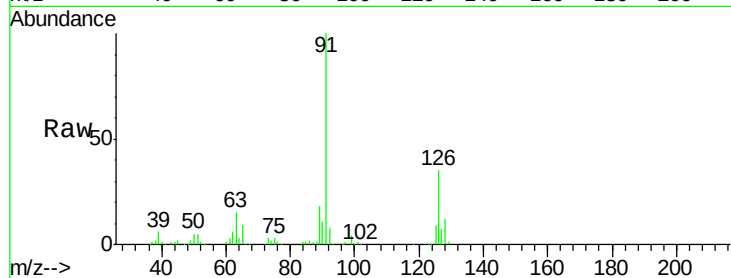
126 35.4 17.6 52.8

Manual Integrations

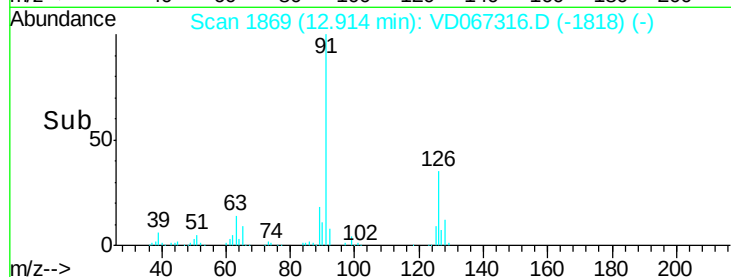
APPROVED

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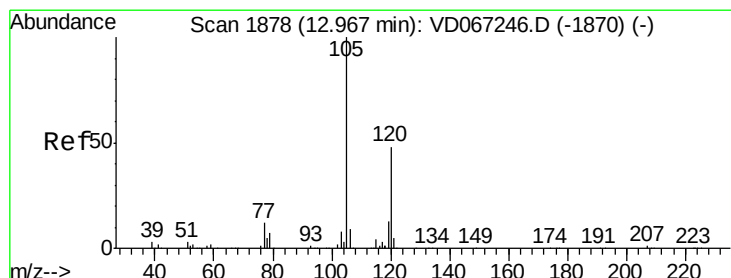
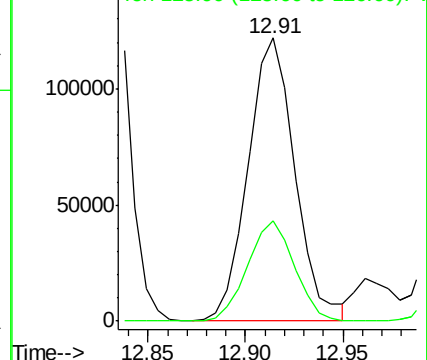
10/21/2020 2:51:58 PM



Abundance Ion 91.00 (90.70 to 91.70): VD067316.D (-1818) (-)



Ion 125.90 (125.60 to 126.60): VD067316.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.017 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067316.D

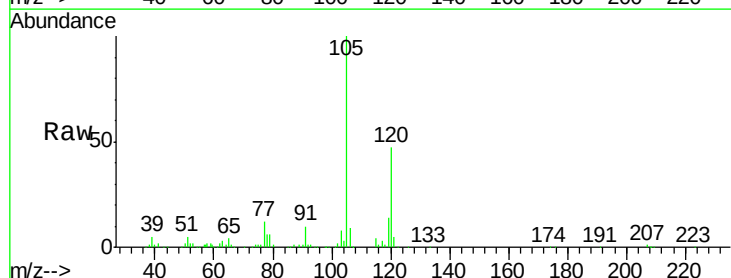
Acq: 20 Oct 2020 11:39

Tgt Ion: 105 Resp: 265889

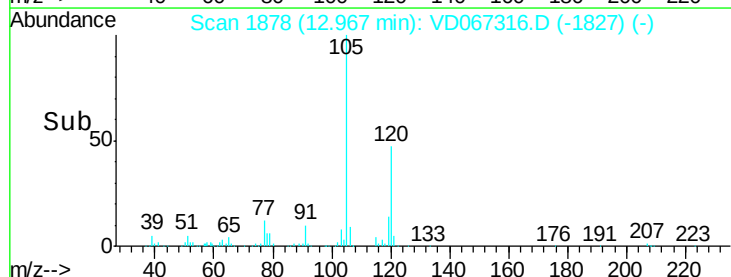
Ion Ratio Lower Upper

105 100

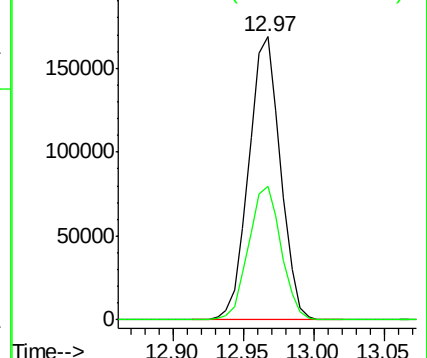
120 48.6 24.3 72.8

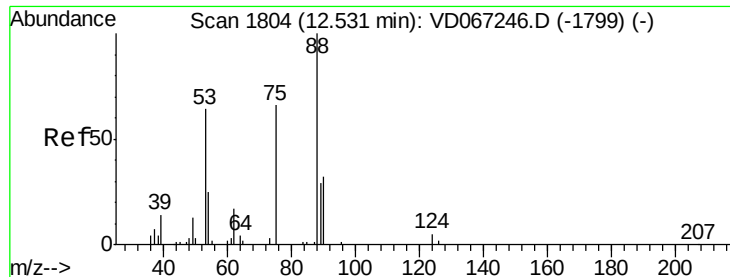


Abundance Ion 105.00 (104.70 to 105.70): VD067316.D (-1827) (-)



Ion 120.00 (119.70 to 120.70): VD067316.D (-1827) (-)





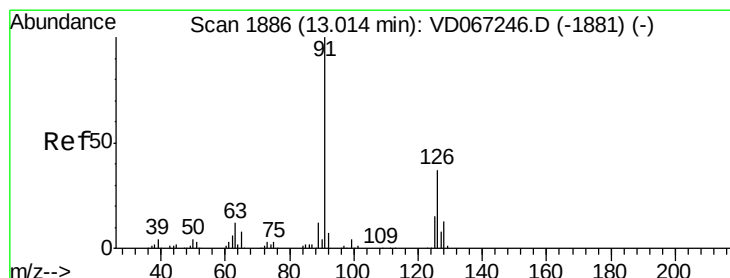
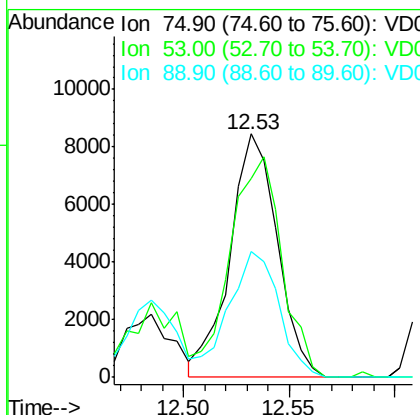
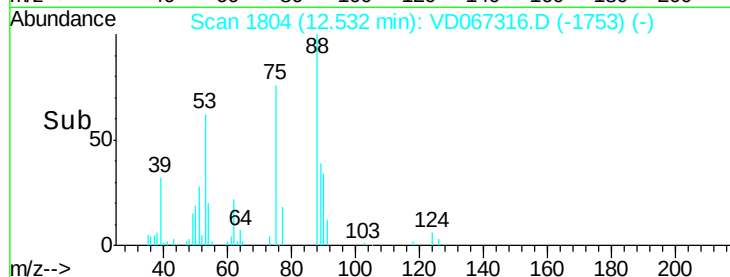
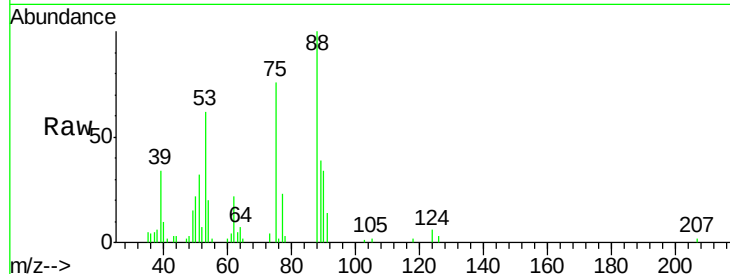
#81
trans-1,4-Dichloro-2-butene
Concen: 18.768 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.9	78.5	117.7
89	55.2	39.9	59.9

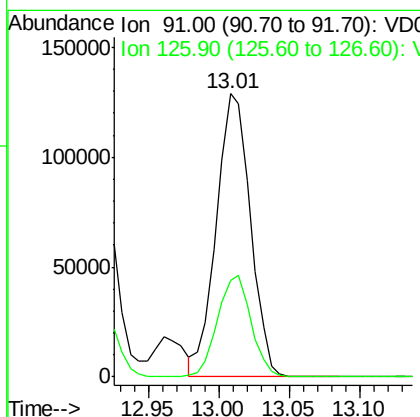
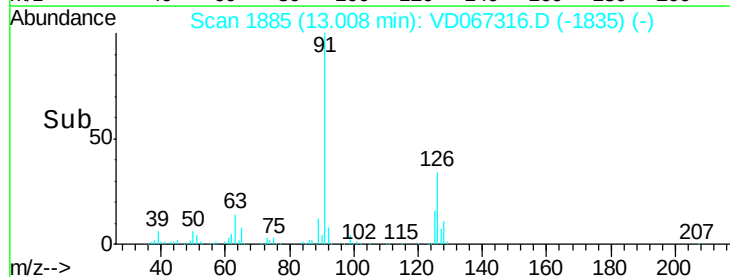
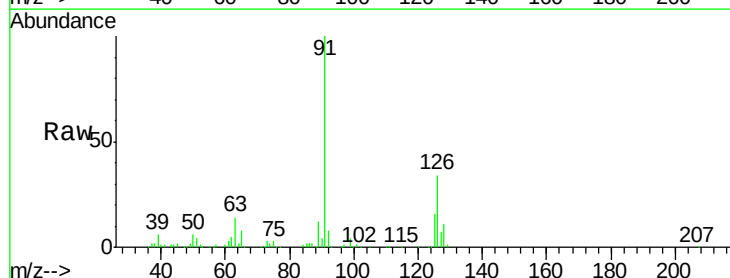
Manual Integrations
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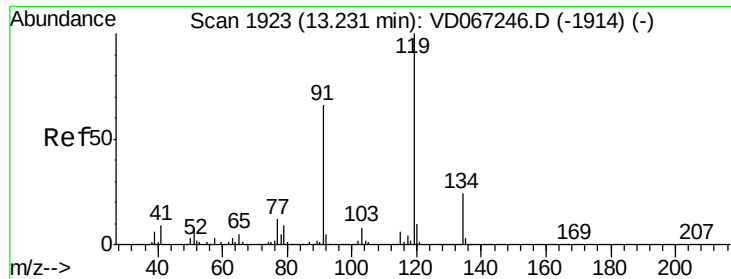
MMDadoda
10/21/2020 2:51:58 PM



#82
4-Chlorotoluene
Concen: 20.835 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5





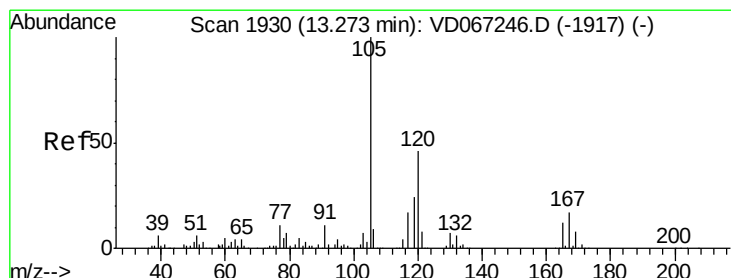
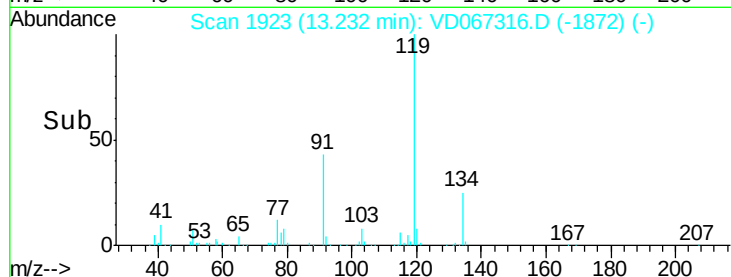
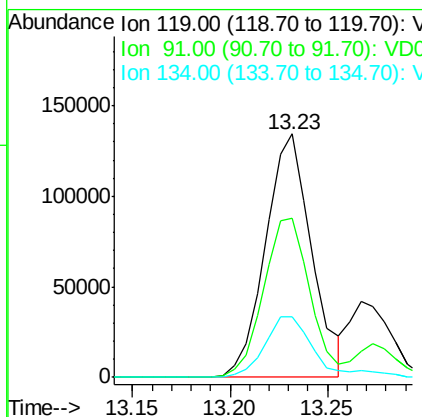
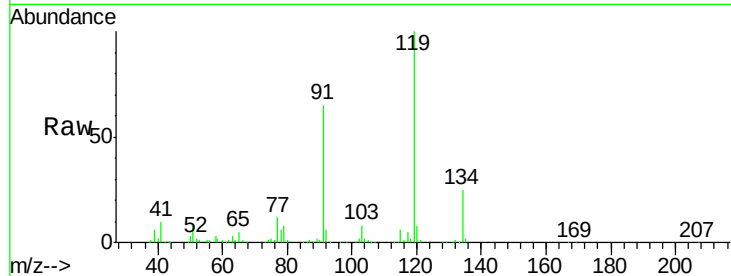
#83
tert-Butylbenzene
Concen: 20.593 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.1	99.2
134	27.2	13.3	39.9

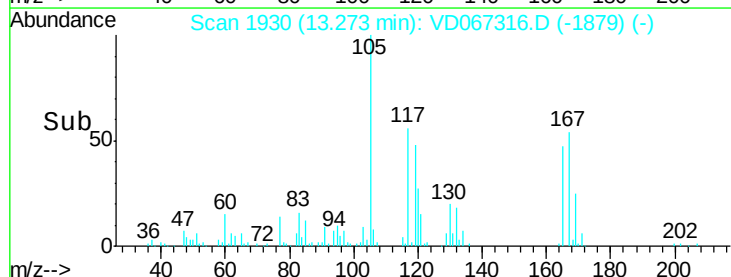
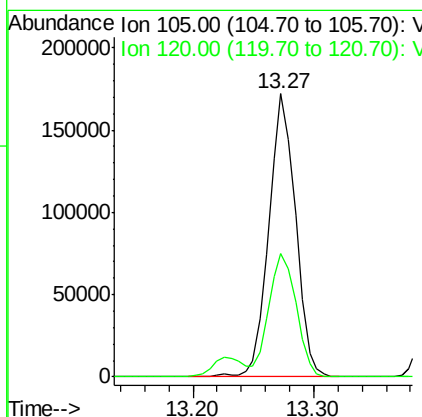
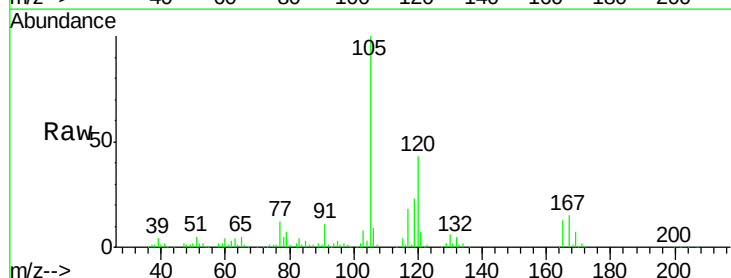
Manual Integrations
APPROVED

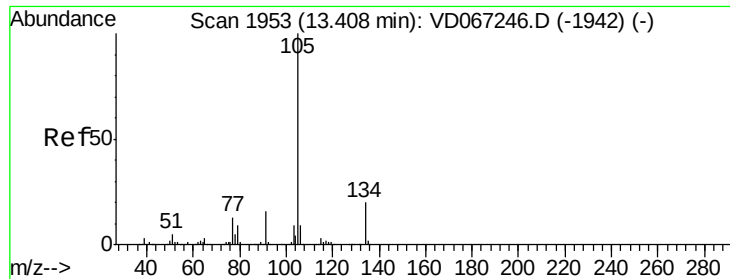
MMDadoda
10/21/2020 2:51:58 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.964 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.3





#85

sec-Butylbenzene

Concen: 20.354 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion:105 Resp: 298476

Ion Ratio Lower Upper

105 100

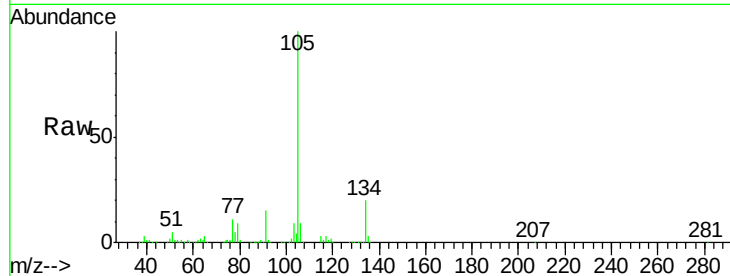
134 20.6 10.5 31.5

Manual Integrations

APPROVED

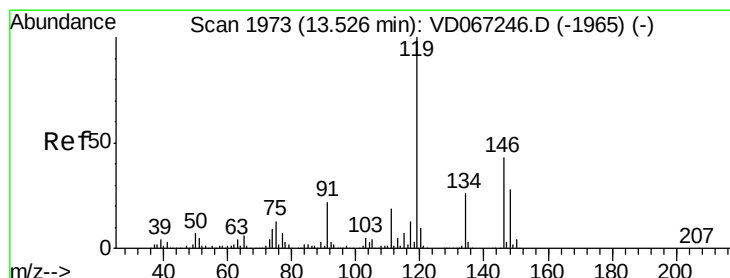
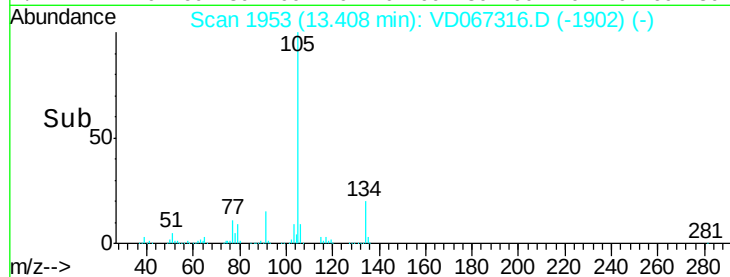
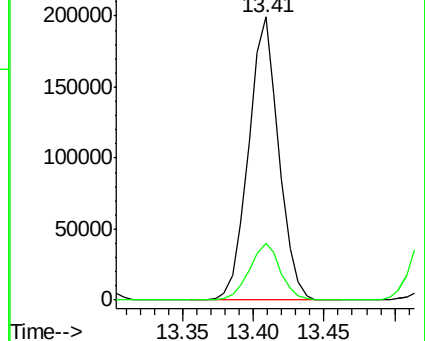
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.734 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

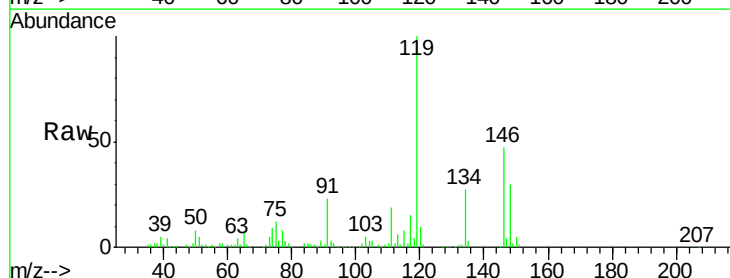
Tgt Ion:119 Resp: 286976

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

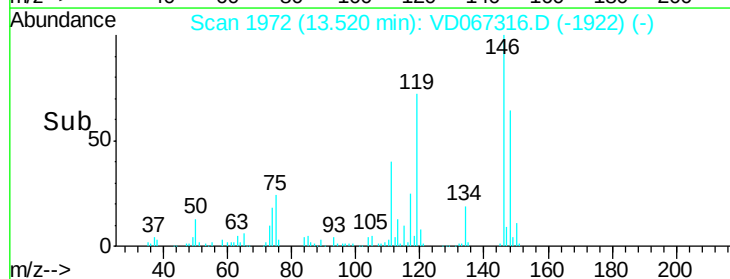
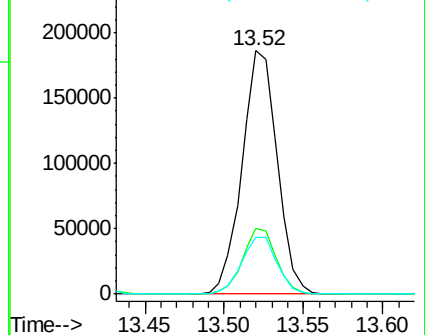
91 23.8 11.9 35.9

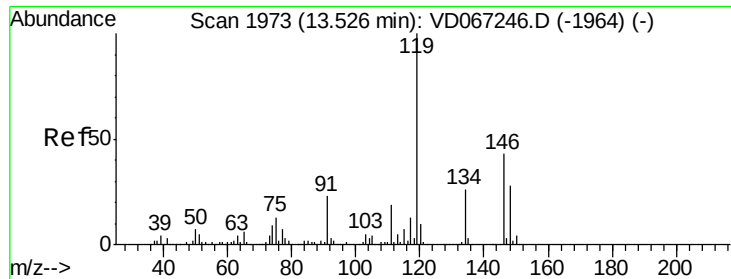


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





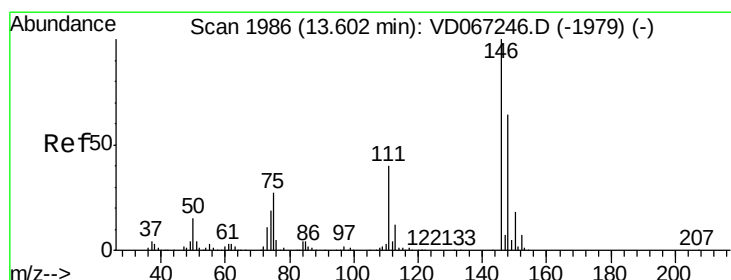
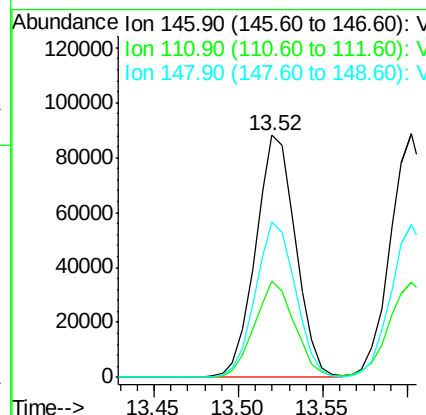
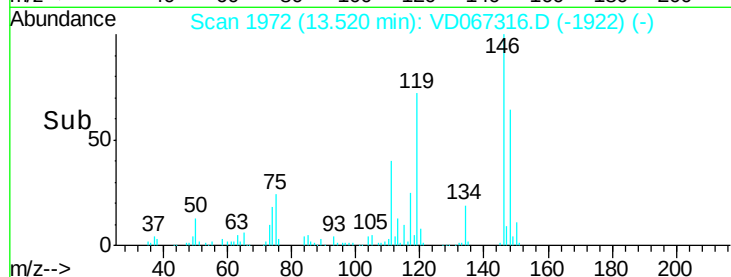
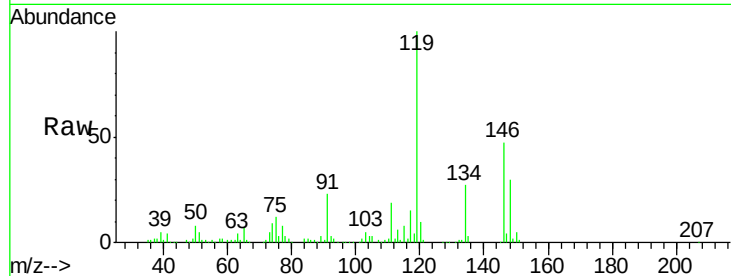
#87
 1,3-Dichlorobenzene
 Concen: 20.789 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	145236		
111	39.9	21.1	63.3	
148	64.3	31.9	95.9	

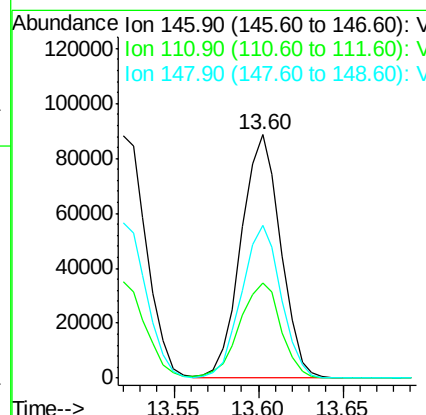
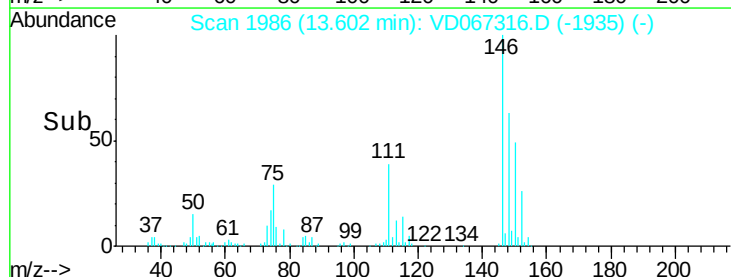
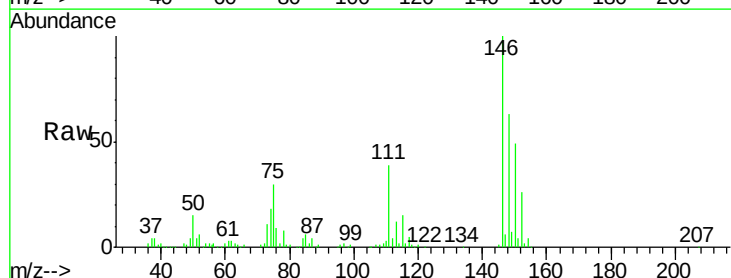
Manual Integrations
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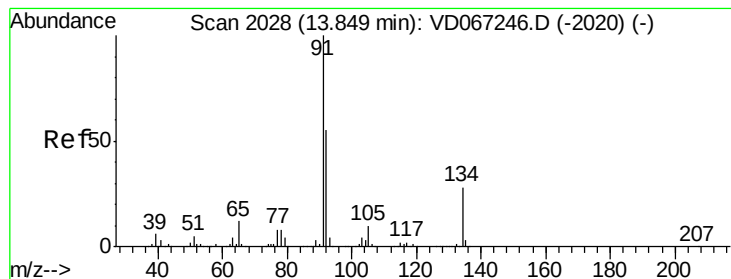
MMDadoda
 10/21/2020 2:51:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.919 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	144790		
111	41.0	19.9	59.7	
148	62.8	31.9	95.9	





#89

n-Butylbenzene

Concen: 20.539 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 91 Resp: 250088

Ion Ratio Lower Upper

91 100

92 52.5 26.7 80.0

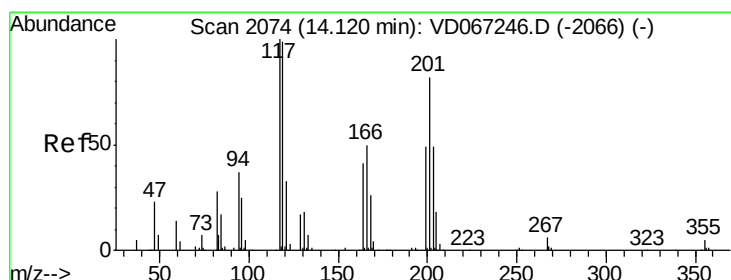
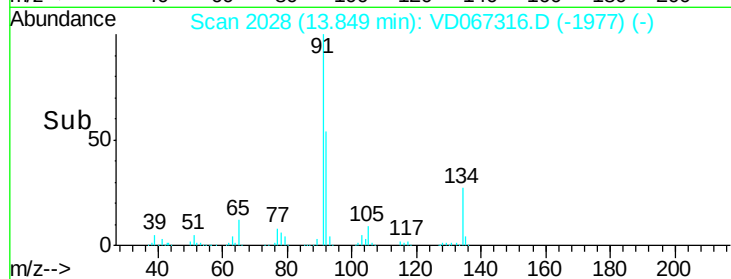
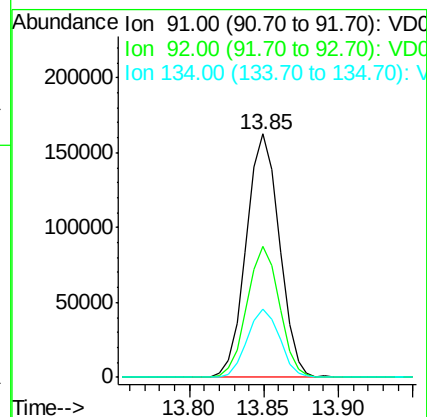
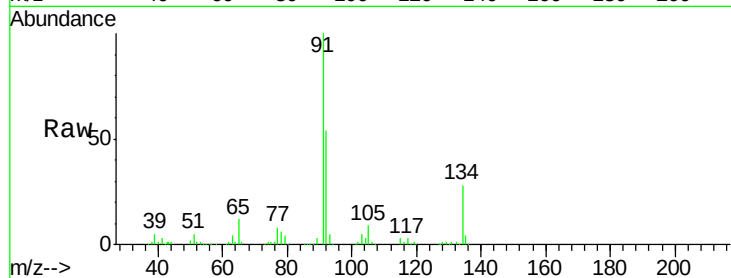
134 27.2 14.2 42.6

Manual Integrations

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#90

Hexachloroethane

Concen: 20.087 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.01 min

Lab File: VD067316.D

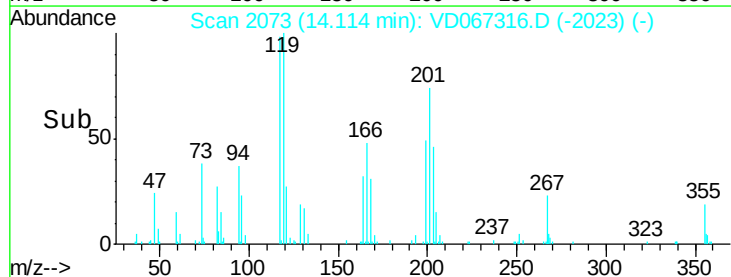
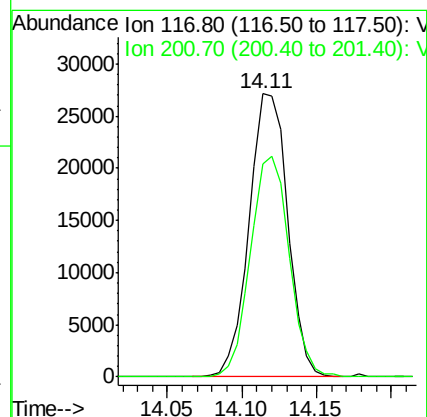
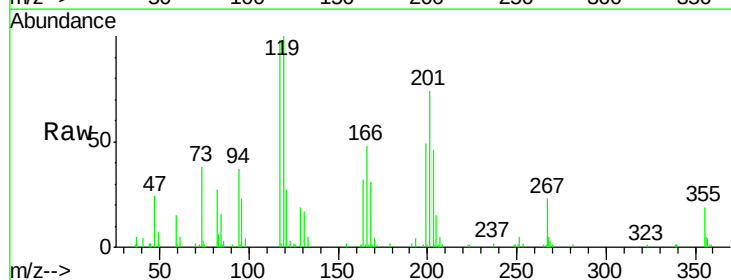
Acq: 20 Oct 2020 11:39

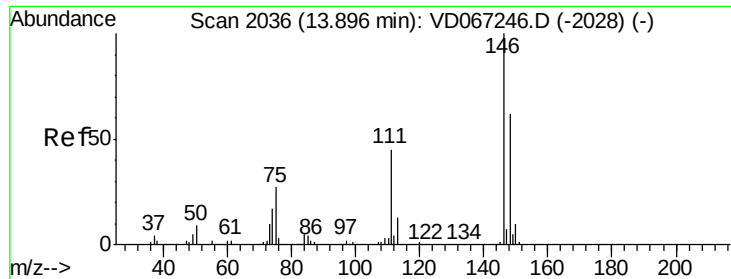
Tgt Ion: 117 Resp: 48516

Ion Ratio Lower Upper

117 100

201 78.0 40.8 122.2





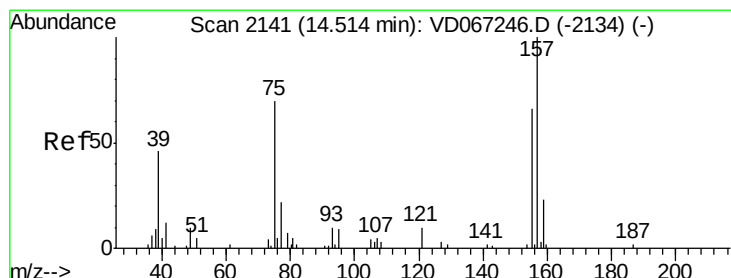
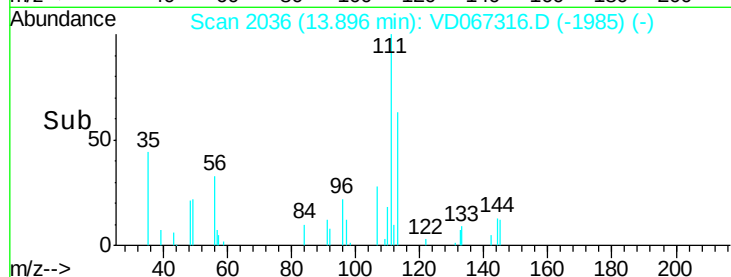
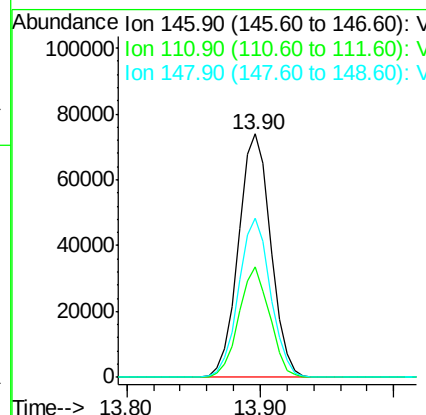
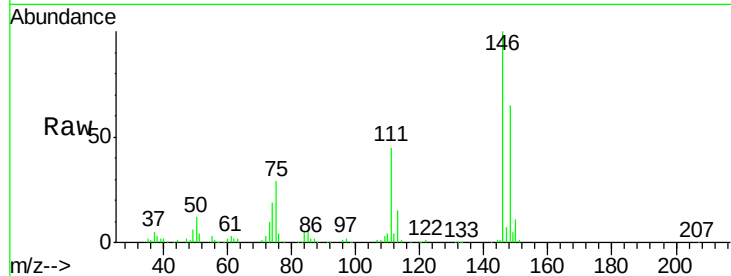
#91
 1,2-Dichlorobenzene
 Concen: 20.252 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1020SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.0	66.0
148	64.5	32.5	97.5

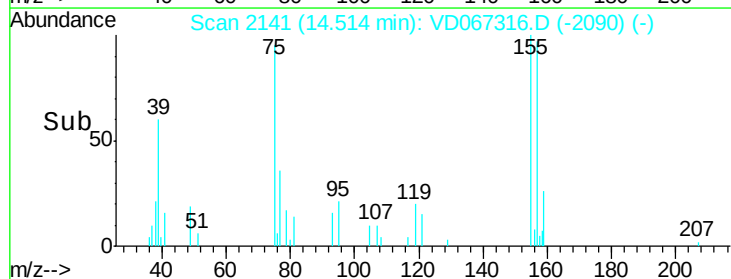
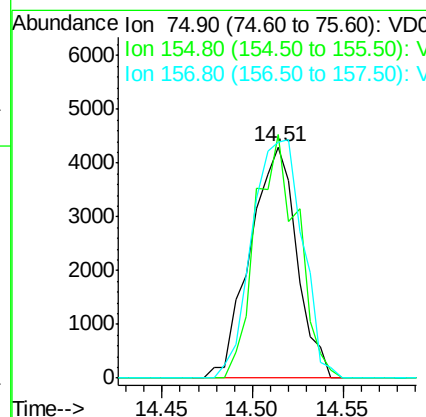
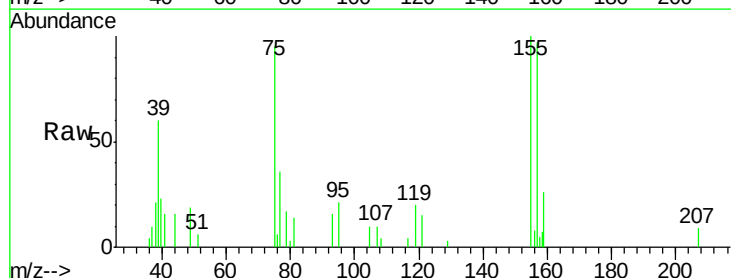
Manual Integrations
 APPROVED

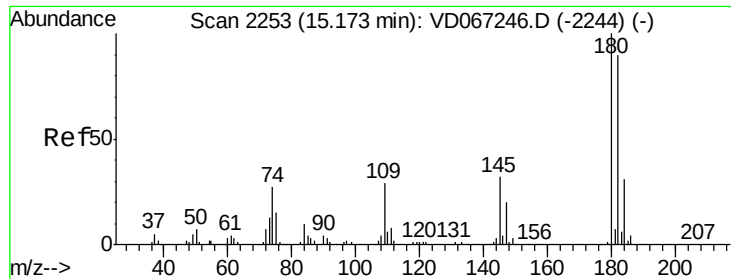
MMDadoda
 10/21/2020 2:51:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.981 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	44.8	134.4
157	111.7	62.5	187.4





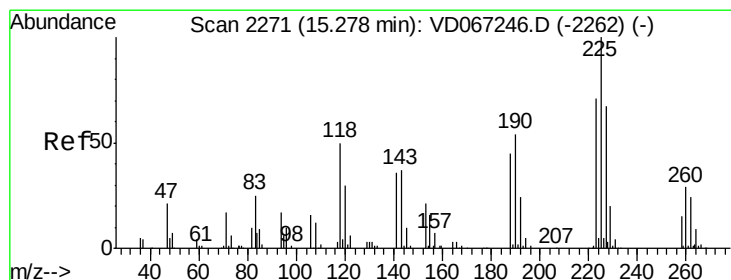
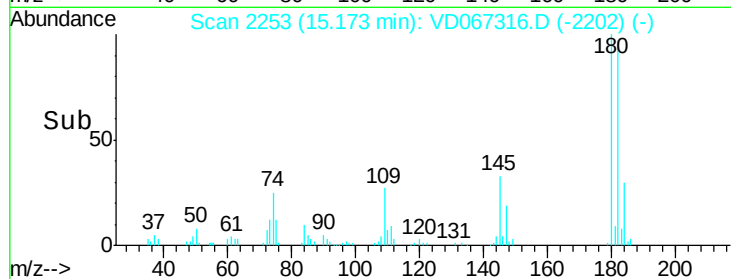
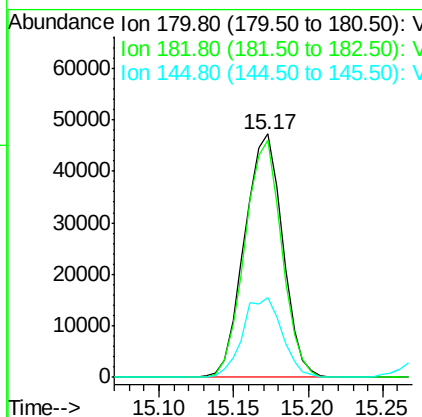
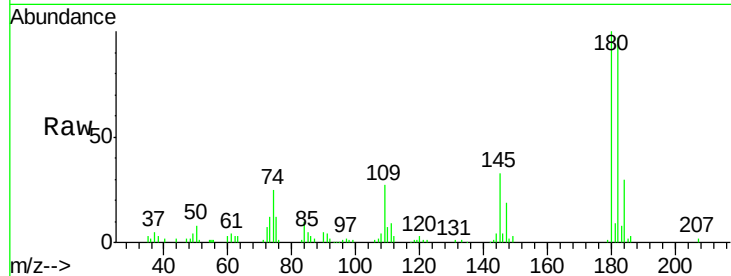
#93
1,2,4-Trichlorobenzene
Concen: 20.230 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.4
145	33.8	16.3	48.9

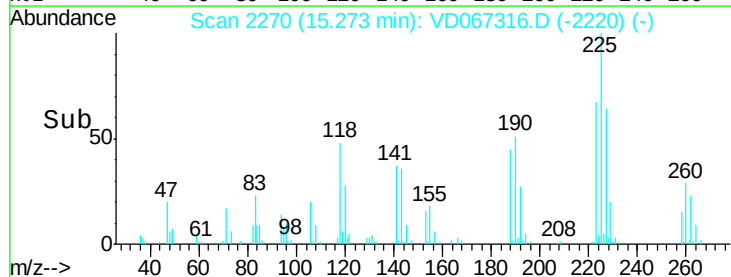
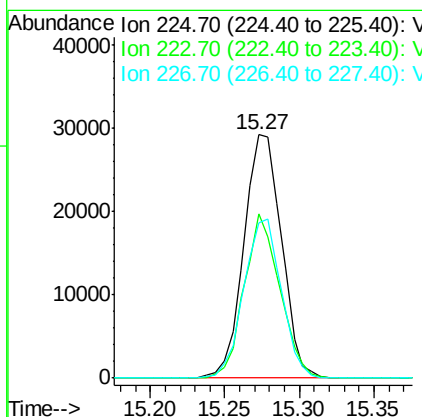
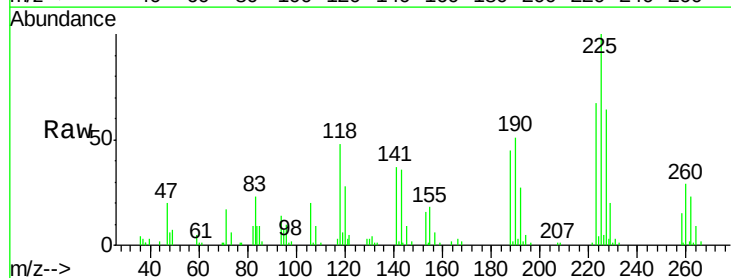
Manual Integrations
APPROVED

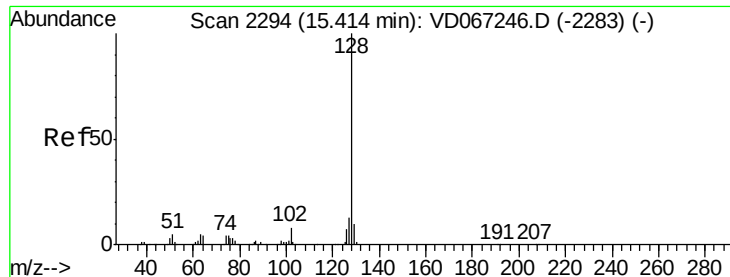
MMDadoda
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#94
Hexachlorobutadiene
Concen: 19.924 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	64.9	31.2	93.6





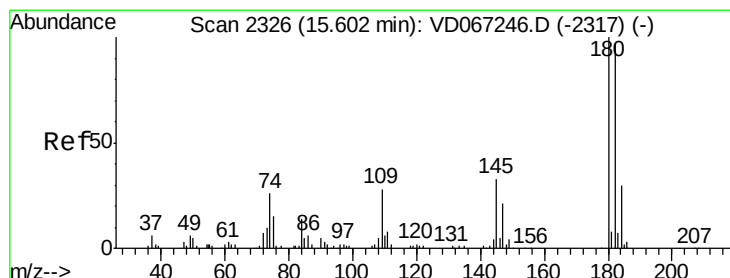
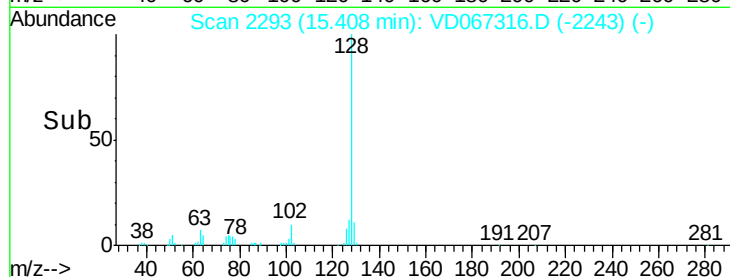
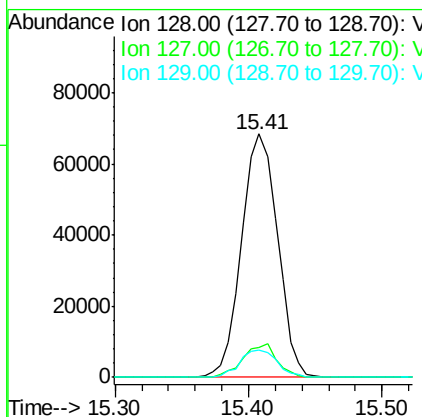
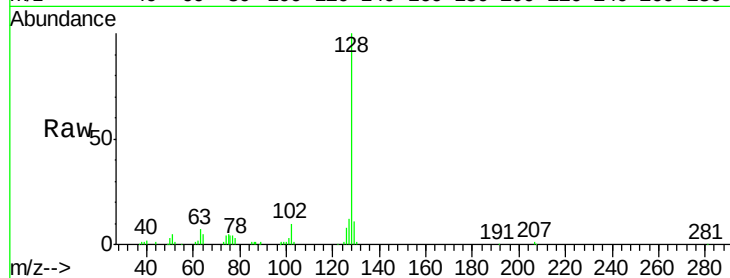
#95
Naphthalene
Concen: 18.966 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	128133		
127	12.8		10.4	15.6
129	11.6		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/21/2020 2:51:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.394 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72498		
182	95.4		48.1	144.3
145	35.3		17.3	51.9

