

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067485.D
 Acq On : 02 Nov 2020 12:21
 Operator : VA/SY
 Sample : VD1102SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

Manual Integrations
 APPROVED

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 11/3/2020 2:17:30 PM

Quant Time: Nov 02 15:28:59 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	7.98	168	285422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	416321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	383559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	140942	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.92	113	147700	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
50) Toluene-d8	10.34	98	517518	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.64	95	185160	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	47566	17.959	ug/l	92
3) Chloromethane	2.21	50	34587	19.255	ug/l	95
4) Vinyl Chloride	2.36	62	38012	19.286	ug/l	97
5) Bromomethane	2.76	94	29993	20.481	ug/l	91
6) Chloroethane	2.93	64	24234	19.743	ug/l	93
7) Trichlorofluoromethane	3.28	101	105855	21.329	ug/l	92
8) Diethyl Ether	3.71	74	22617	19.915	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	55890	21.196	ug/l	99
10) Methyl Iodide	4.30	142	51240	21.066	ug/l	100
11) Tert butyl alcohol	5.21	59	13944	58.947	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	47814	20.298	ug/l	90
13) Acrolein	3.93	56	6765	57.818	ug/l	92
14) Allyl chloride	4.71	41	54111	20.059	ug/l	99
15) Acrylonitrile	5.43	53	37134	97.995	ug/l	98
16) Acetone	4.17	43	40061	100.034	ug/l	93
17) Carbon Disulfide	4.41	76	121654	18.116	ug/l	98
18) Methyl Acetate	4.73	43	17773	19.457	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	93558	19.974	ug/l	97
20) Methylene Chloride	4.97	84	61445	21.384	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	57138	21.078	ug/l	99
22) Diisopropyl ether	6.37	45	103216	20.945	ug/l	94
23) Vinyl Acetate	6.31	43	273362	97.503	ug/l	95
24) 1,1-Dichloroethane	6.27	63	87364	20.710	ug/l	96
25) 2-Butanone	7.21	43	43734	95.803	ug/l	92
26) 2,2-Dichloropropane	7.21	77	96007	22.081	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	61367	20.655	ug/l	97
28) Bromochloromethane	7.55	49	27163	18.878	ug/l #	98
29) Tetrahydrofuran	7.56	42	22448	88.462	ug/l	90
30) Chloroform	7.71	83	109113	21.653	ug/l	97
31) Cyclohexane	7.99	56	65584	19.913	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	107486	21.739	ug/l	98
36) 1,1-Dichloropropene	8.11	75	75438	21.379	ug/l	99
37) Ethyl Acetate	7.30	43	18733	18.044	ug/l #	71
38) Carbon Tetrachloride	8.10	117	105337	23.357	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76400	20.711	ug/l	97
40) Benzene	8.36	78	214286	22.136	ug/l	98
41) Methacrylonitrile	7.54	41	12885	22.967	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	66485	21.946	ug/l	98
43) Isopropyl Acetate	8.46	43	40477	19.649	ug/l	96
44) Trichloroethene	9.11	130	67403	21.747	ug/l	92
45) 1,2-Dichloropropane	9.40	63	45650	20.348	ug/l	95
46) Dibromomethane	9.48	93	28861	20.647	ug/l	96
47) Bromodichloromethane	9.67	83	80160	21.404	ug/l	98
48) Methyl methacrylate	9.46	41	19412	19.391	ug/l	98
49) 1,4-Dioxane	9.47	88	5821	412.481	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	100607	97.917	ug/l	96
52) Toluene	10.41	92	146219	22.177	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	70465	21.419	ug/l #	88
54) cis-1,3-Dichloropropene	10.10	75	82465	21.419	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	40010	20.991	ug/l	95
56) Ethyl methacrylate	10.67	69	40065	20.267	ug/l	98
57) 1,3-Dichloropropane	10.96	76	63423	20.908	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	103088	101.653	ug/l	97
59) 2-Hexanone	10.99	43	65904	93.867	ug/l	93
60) Dibromochloromethane	11.15	129	60121	21.628	ug/l	99
61) 1,2-Dibromoethane	11.25	107	38981	20.744	ug/l	99
64) Tetrachloroethene	10.88	164	60489	21.766	ug/l	92
65) Chlorobenzene	11.68	112	163204	22.189	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	65813	22.513	ug/l	98
67) Ethyl Benzene	11.75	91	277914	22.042	ug/l	97
68) m/p-Xylenes	11.86	106	221324	45.585	ug/l	96
69) o-Xylene	12.18	106	98028	21.804	ug/l	98
70) Styrene	12.20	104	174788	22.584	ug/l	99
71) Bromoform	12.37	173	33126	21.093	ug/l #	99
73) Isopropylbenzene	12.48	105	283711	23.047	ug/l	100
74) N-amyl acetate	12.30	43	36940	19.868	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	39786	21.093	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	30603m	22.764	ug/l	
77) Bromobenzene	12.77	156	69400	22.613	ug/l	98
78) n-propylbenzene	12.83	91	323227	22.662	ug/l	100
79) 2-Chlorotoluene	12.91	91	183665	22.205	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	243930	22.803	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	12772	21.544	ug/l	93
82) 4-Chlorotoluene	13.01	91	202232	23.036	ug/l	99
83) tert-Butylbenzene	13.23	119	207114	22.920	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	243644	23.044	ug/l	100
85) sec-Butylbenzene	13.41	105	284074	22.911	ug/l	100
86) p-Isopropyltoluene	13.52	119	270110	23.080	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	134465	22.763	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	133118	22.745	ug/l	99
89) n-Butylbenzene	13.85	91	231913	22.525	ug/l	99
90) Hexachloroethane	14.12	117	45991	22.520	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	116154	22.508	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6745	19.684	ug/l	97

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VD1102SBS01

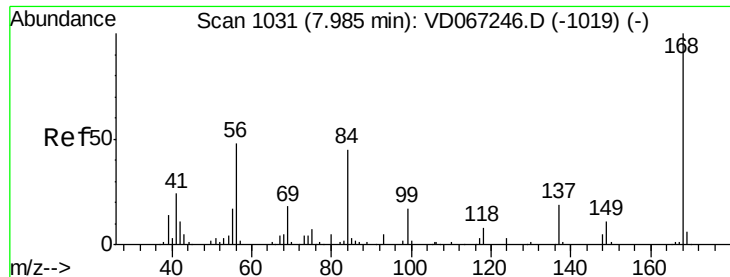
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	77264	22.207	ug/l	99
94) Hexachlorobutadiene	15.27	225	50358	23.307	ug/l	97
95) Naphthalene	15.41	128	116201	20.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	63997	21.291	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion:168 Resp: 285422

Ion Ratio Lower Upper

168 100

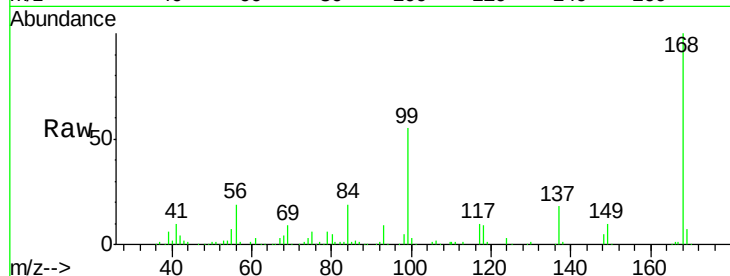
99 54.9 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

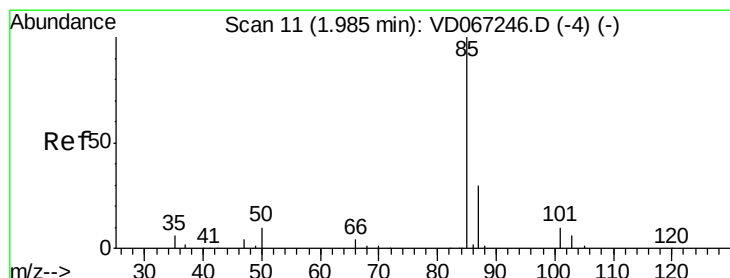
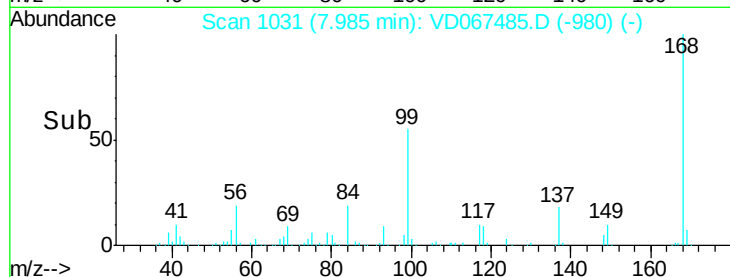
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.959 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067485.D

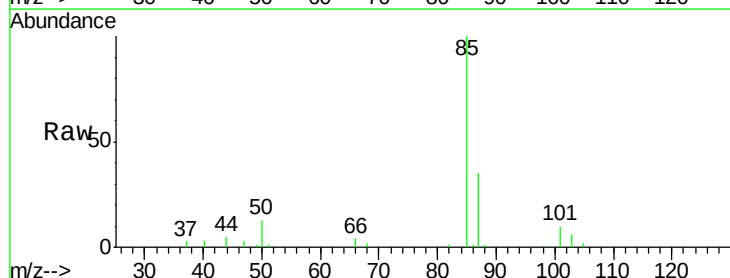
Acq: 02 Nov 2020 12:21

Tgt Ion: 85 Resp: 47566

Ion Ratio Lower Upper

85 100

87 35.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

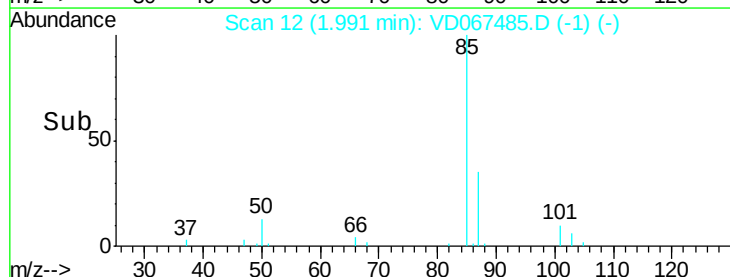
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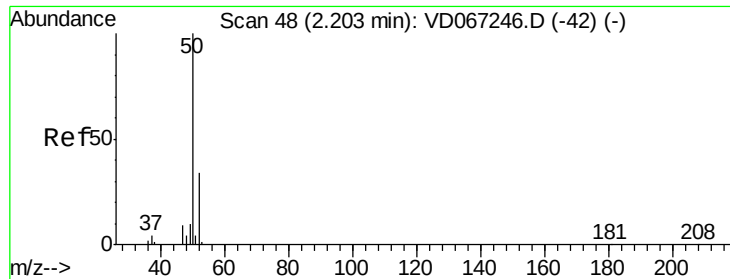
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.255 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion: 50 Resp: 34587

Ion Ratio Lower Upper

50 100

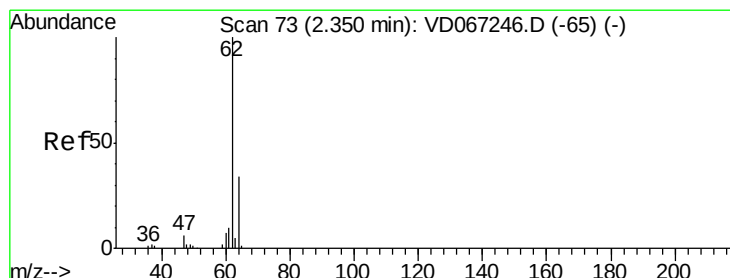
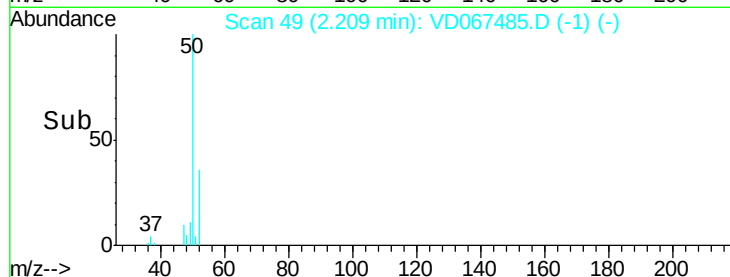
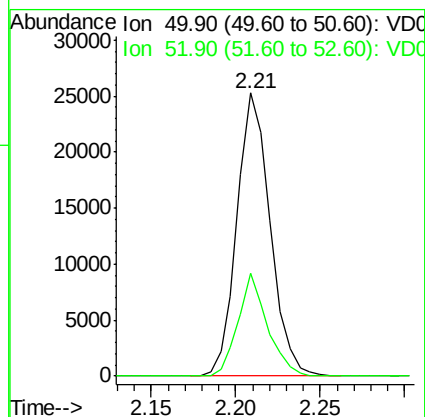
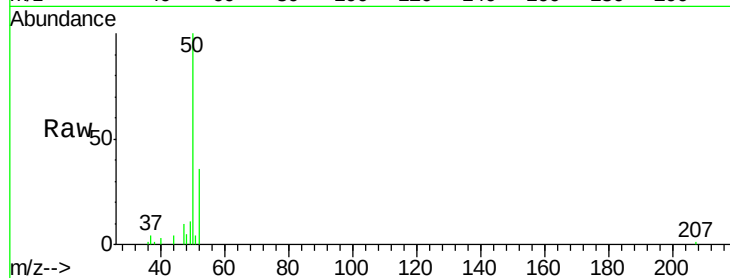
52 36.5 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.286 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067485.D

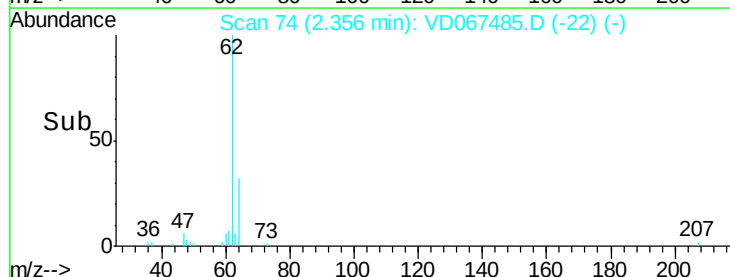
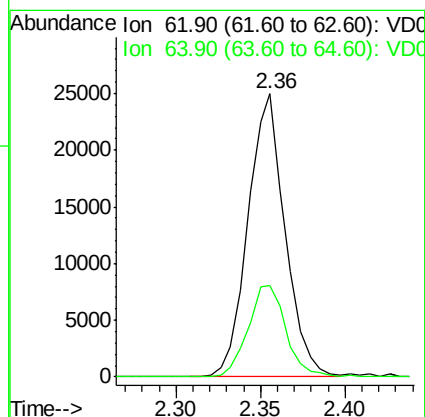
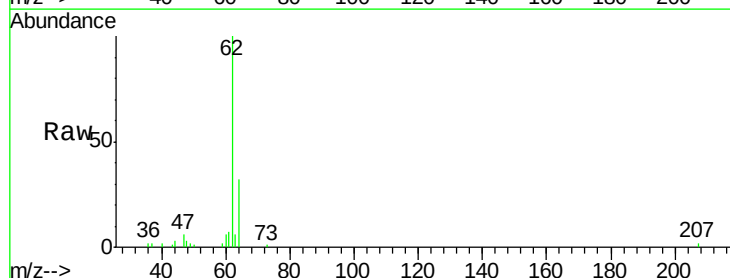
Acq: 02 Nov 2020 12:21

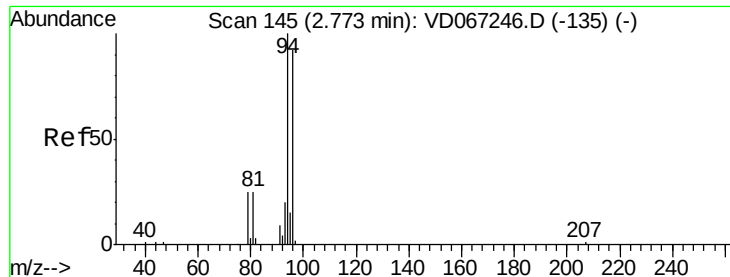
Tgt Ion: 62 Resp: 38012

Ion Ratio Lower Upper

62 100

64 32.5 27.4 41.0





#5

Bromomethane

Concen: 20.481 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion: 94 Resp: 29993

Ion Ratio Lower Upper

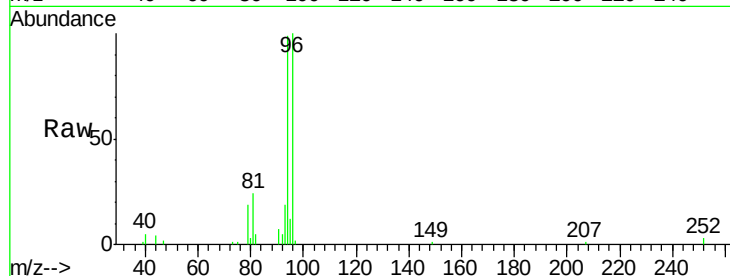
94 100

96 100.6 73.8 110.6

Manual Integrations
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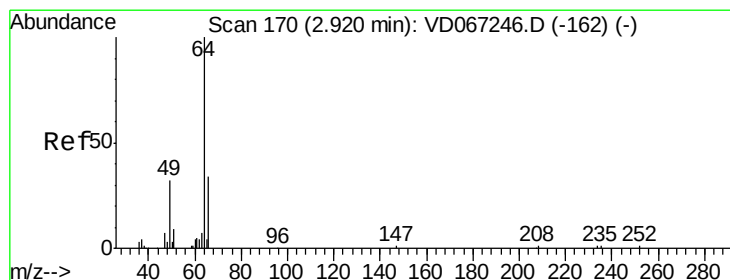
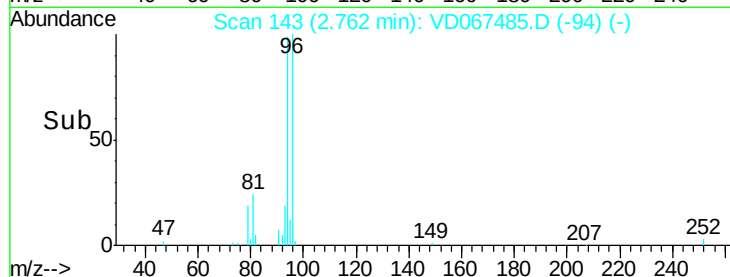
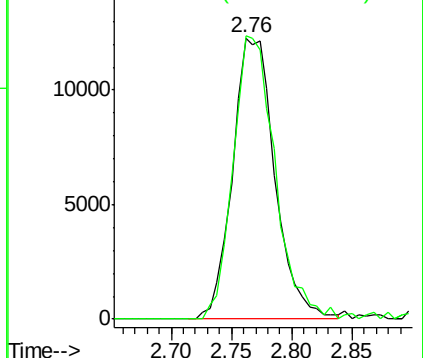
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.743 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067485.D

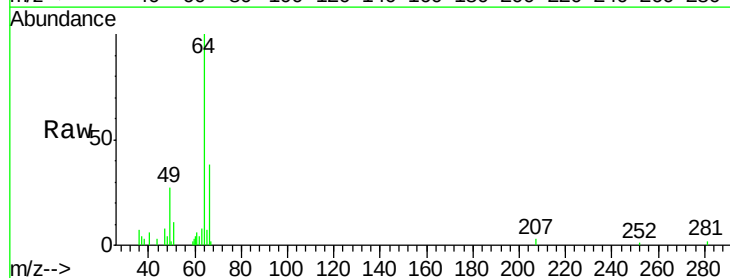
Acq: 02 Nov 2020 12:21

Tgt Ion: 64 Resp: 24234

Ion Ratio Lower Upper

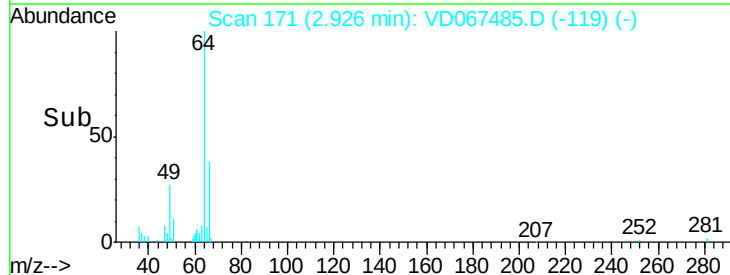
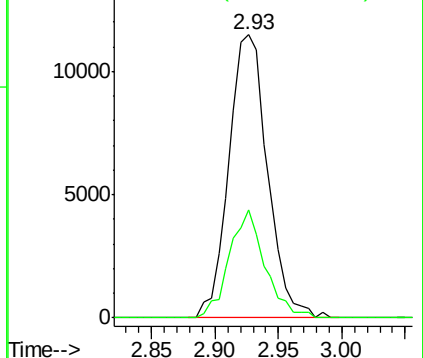
64 100

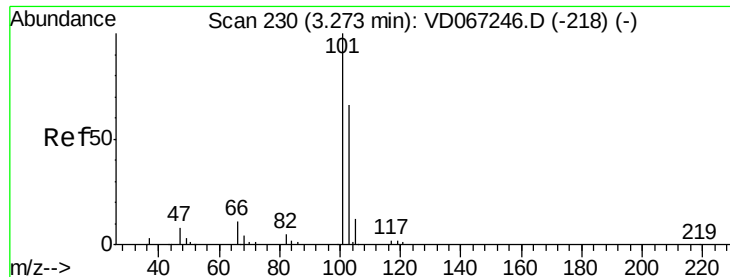
66 38.0 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

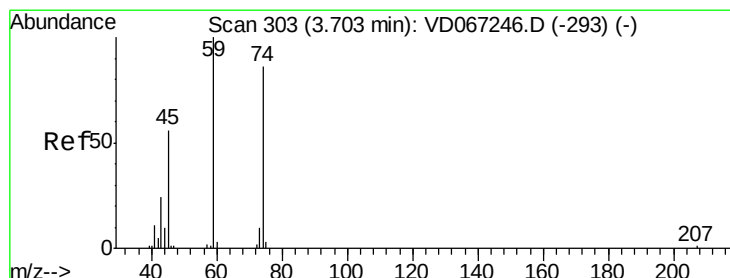
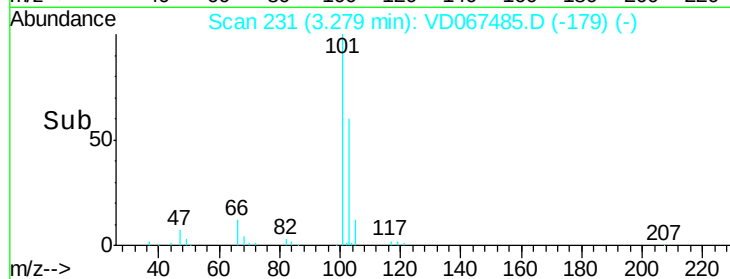
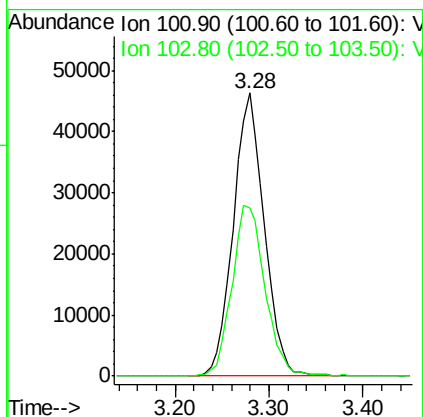
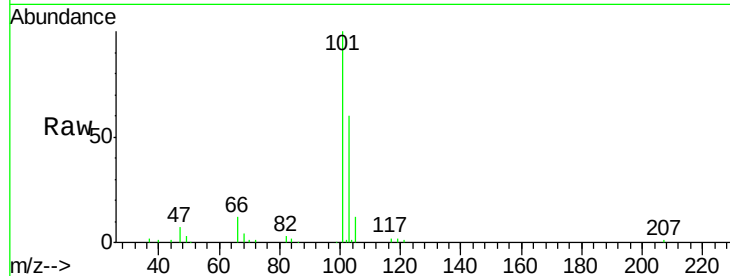
Trichlorofluoromethane
Concen: 21.329 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
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VD1102SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	105855		
103	59.6	53.1	79.7	

Manual Integrations
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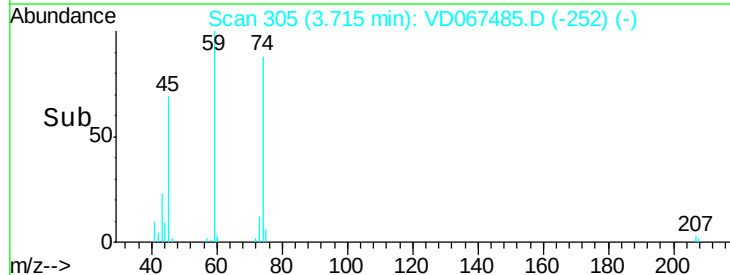
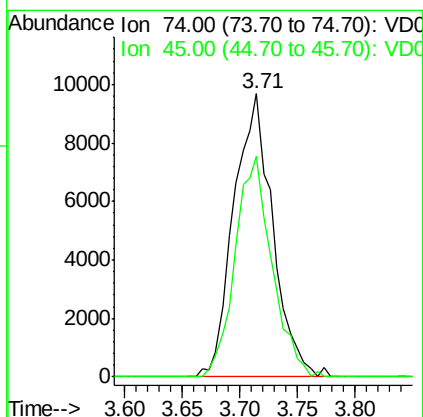
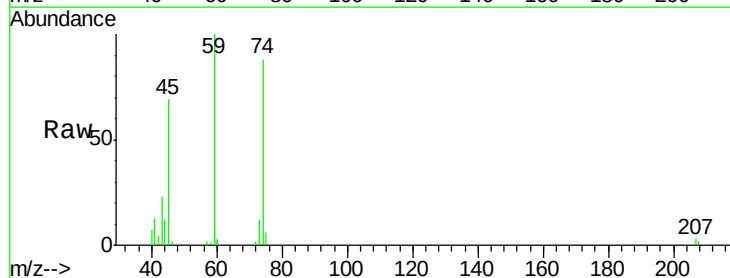
MMDadoda
11/3/2020 2:17:30 PM

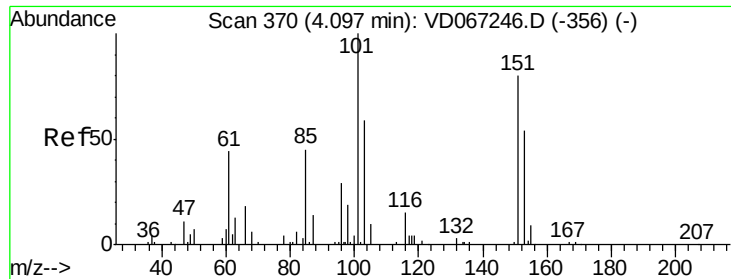


#8

Diethyl Ether
Concen: 19.915 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	22617		
45	73.6	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.196 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

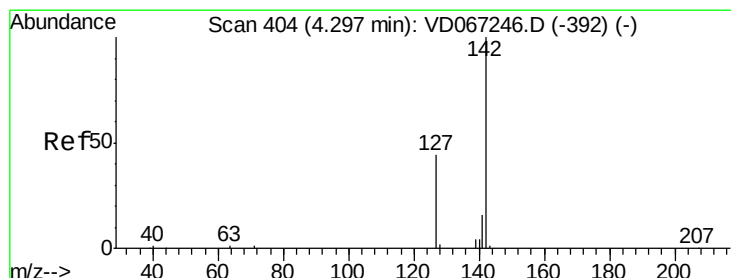
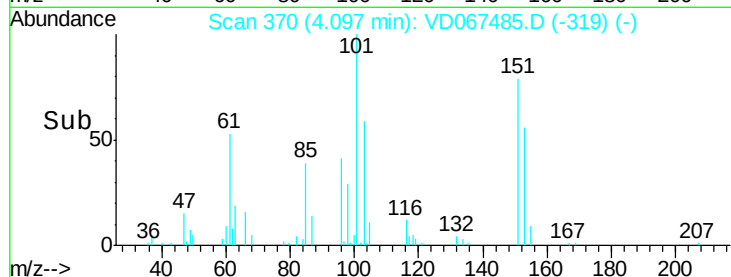
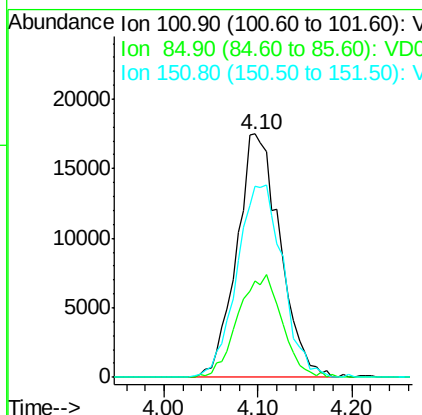
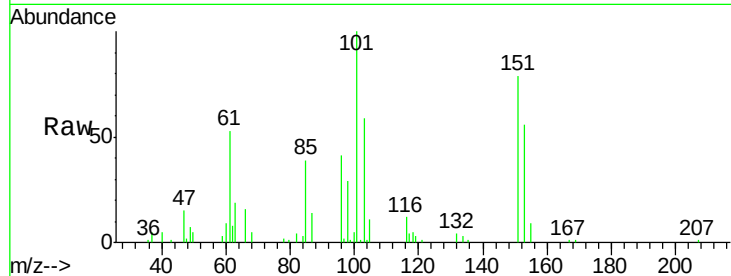
ClientSampleId :

VD1102SBS01

Tot Ion:	101	Resp:	55890
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	83.7	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 21.066 ug/l

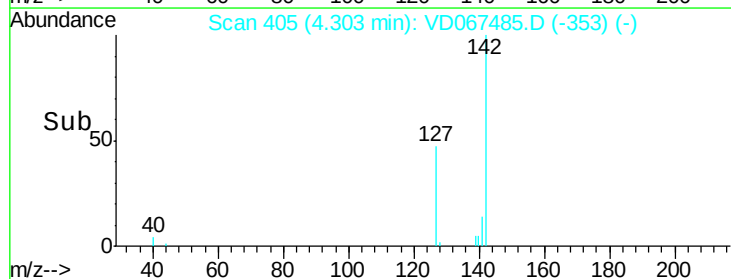
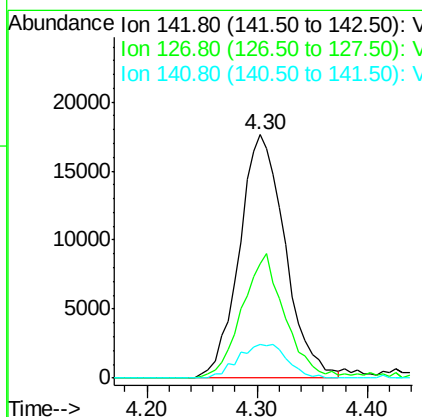
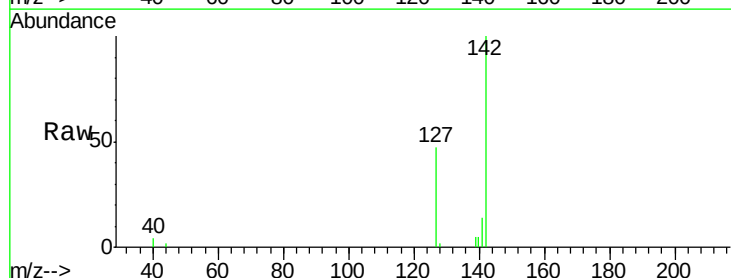
RT: 4.30 min Scan# 405

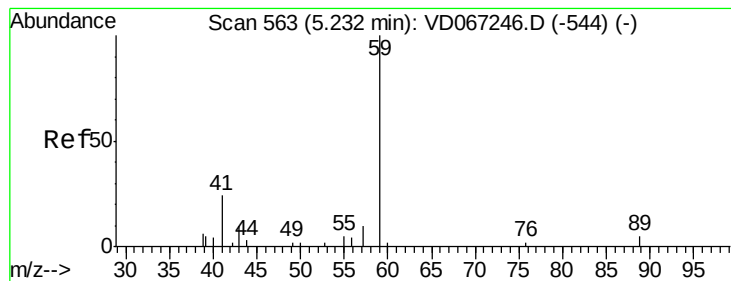
Delta R.T. 0.01 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Tgt Ion:	142	Resp:	51240
Ion Ratio	Lower	Upper	
142	100		
127	48.1	38.4	57.6
141	14.9	11.6	17.4





#11

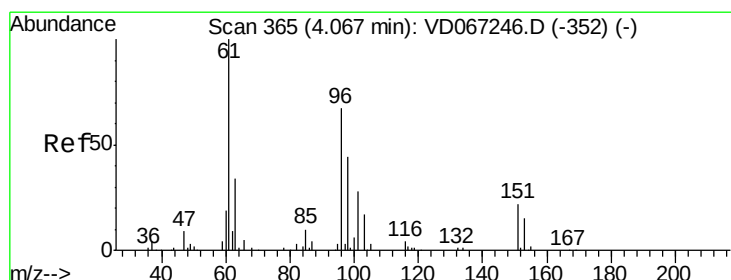
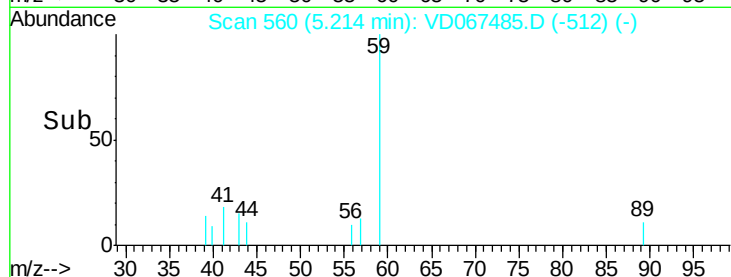
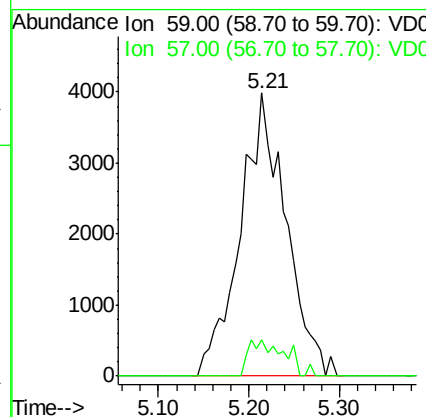
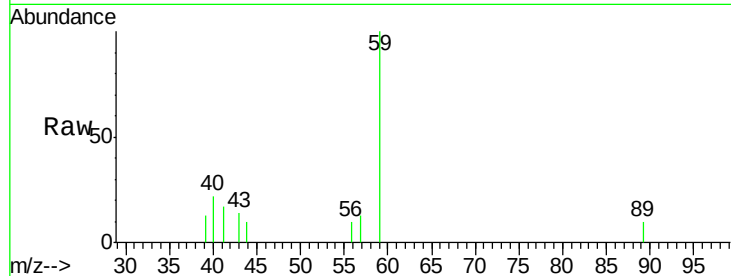
Tert butyl alcohol
Concen: 58.947 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion: 59 Resp: 13944
Ion Ratio Lower Upper
59 100
57 9.7 5.1 7.7#

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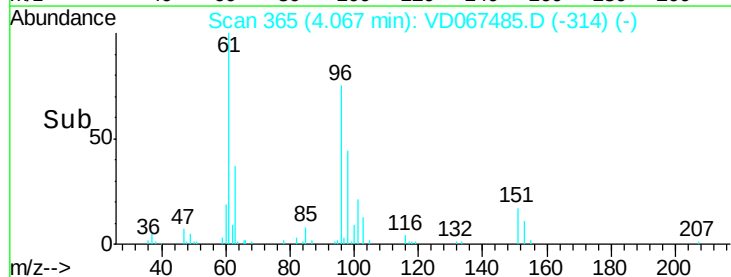
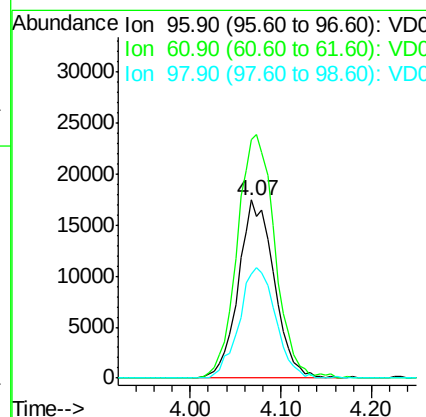
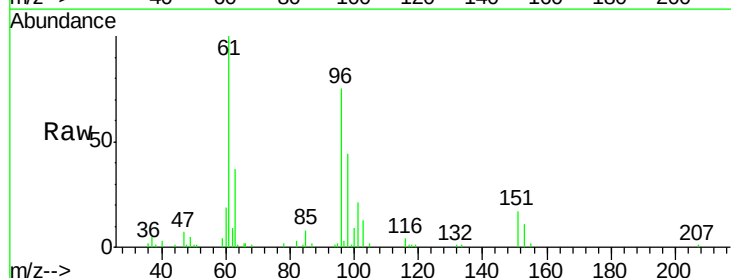
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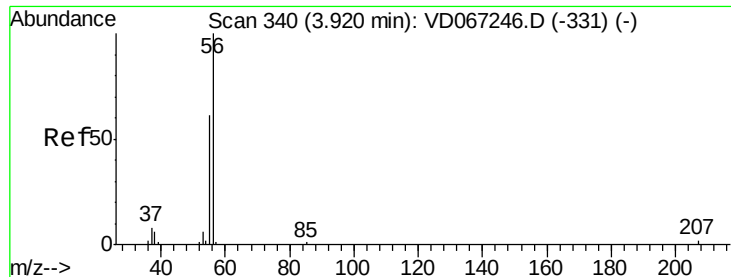


#12

1,1-Dichloroethene
Concen: 20.298 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion: 96 Resp: 47814
Ion Ratio Lower Upper
96 100
61 133.9 118.6 177.8
98 58.7 51.8 77.6





#13

Acrolein

Concen: 57.818 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion: 56 Resp: 6765

Ion Ratio Lower Upper

56 100

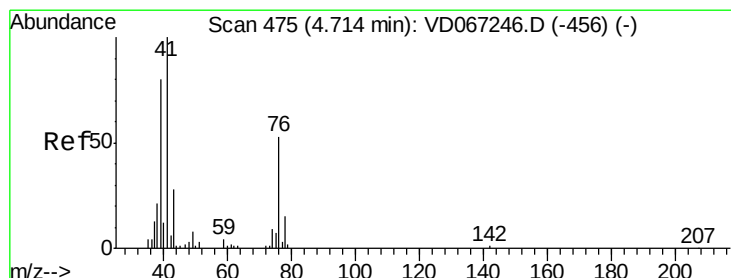
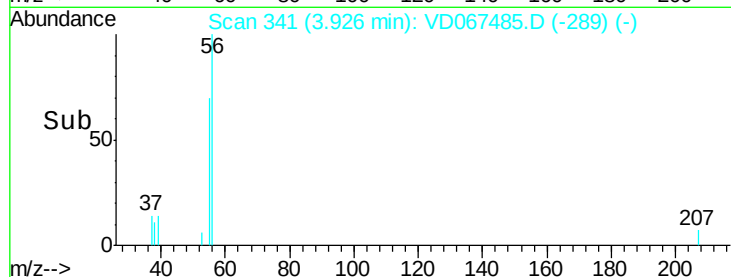
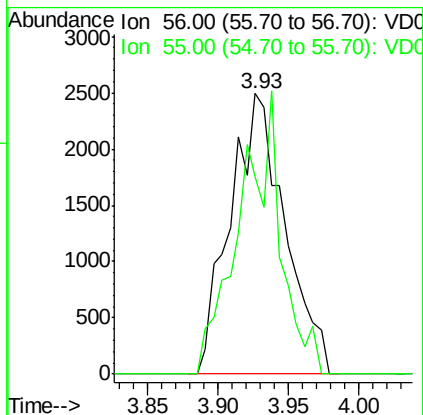
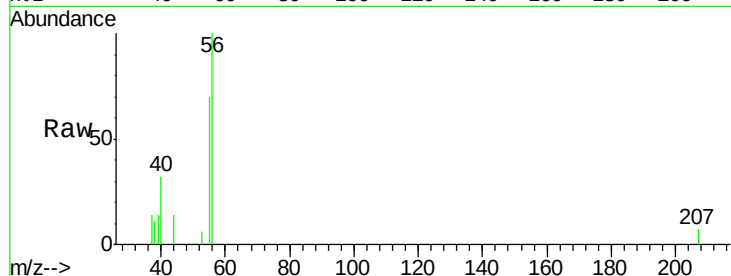
55 76.3 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.059 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

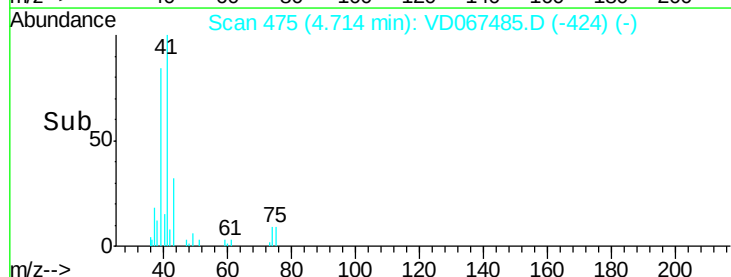
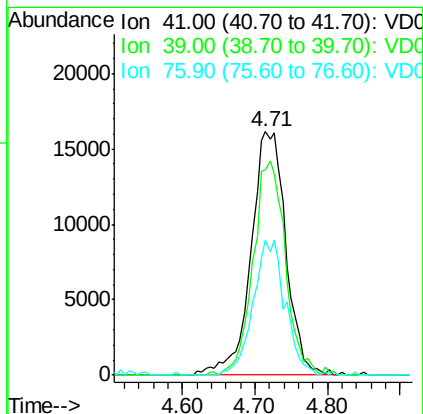
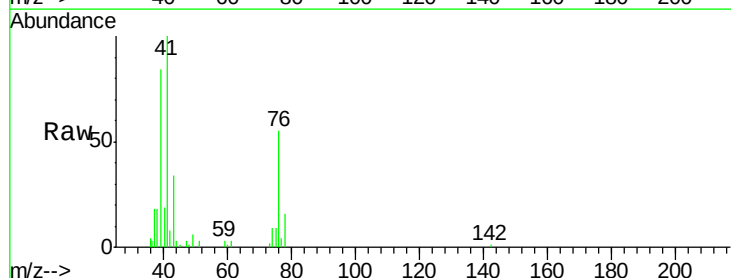
Tgt Ion: 41 Resp: 54111

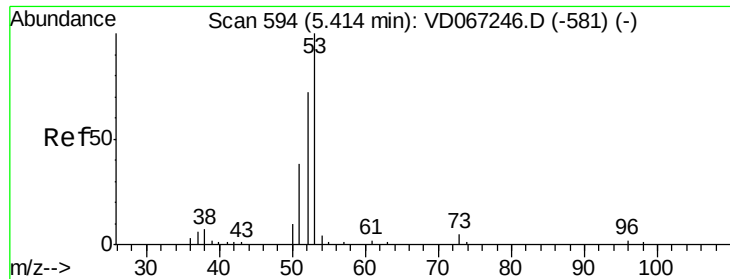
Ion Ratio Lower Upper

41 100

39 81.3 63.8 95.6

76 50.8 40.4 60.6





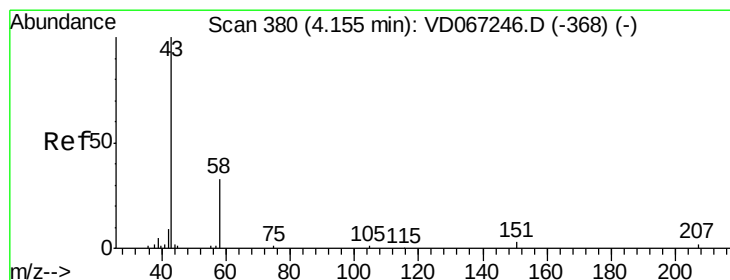
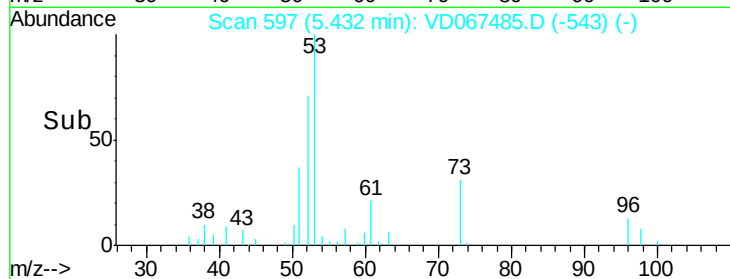
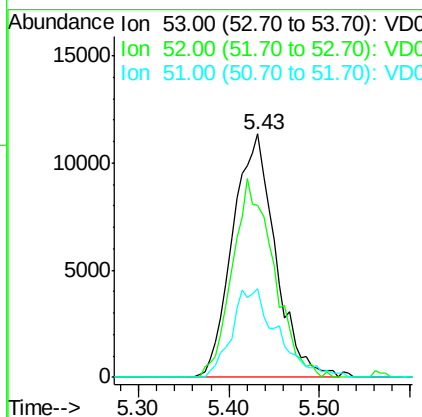
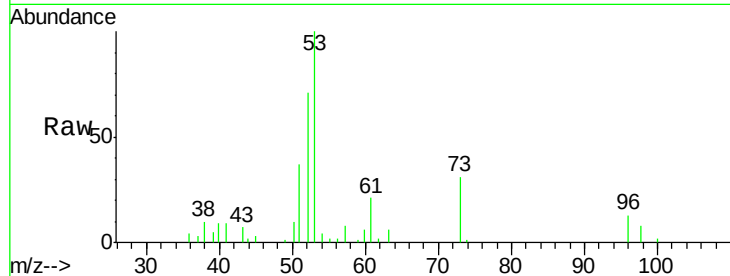
#15
 Acrylonitrile
 Concen: 97.995 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.02 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

Tot Ion:	53	Resp:	37134
Ion	Ratio	Lower	Upper
53	100		
52	79.3	65.6	98.4
51	39.1	30.8	46.2

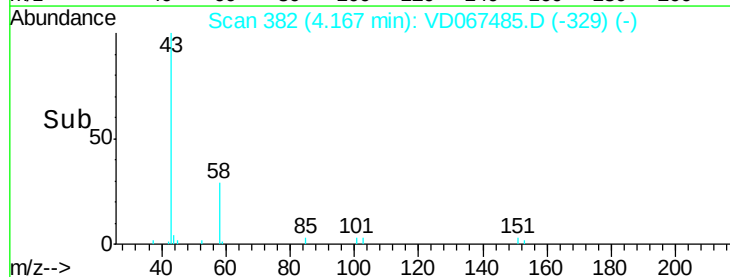
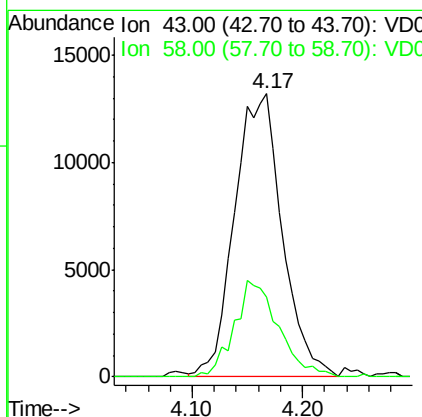
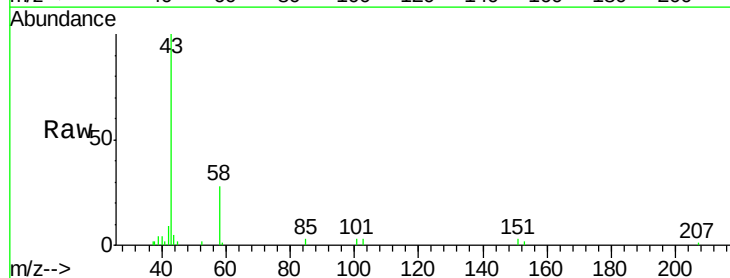
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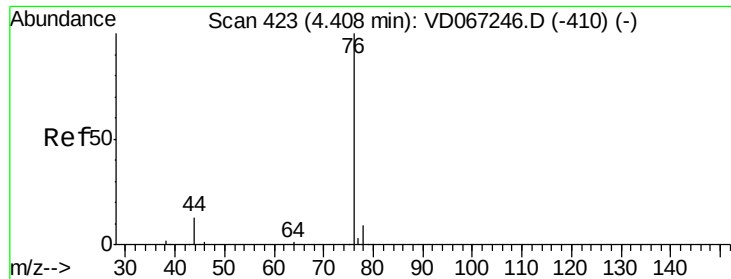
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#16
 Acetone
 Concen: 100.034 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Tgt Ion:	43	Resp:	40061
Ion	Ratio	Lower	Upper
43	100		
58	28.4	26.1	39.1





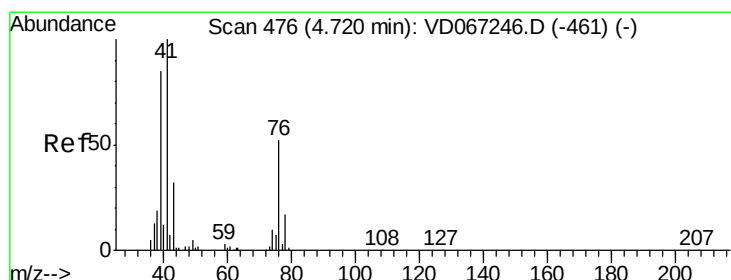
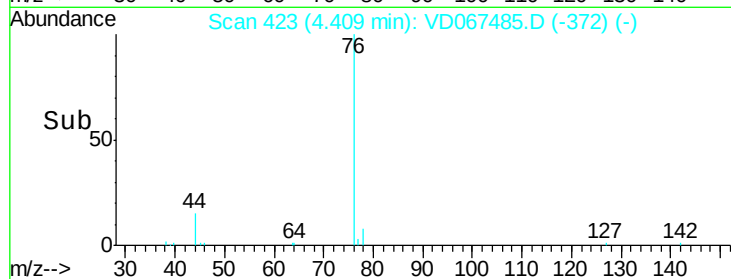
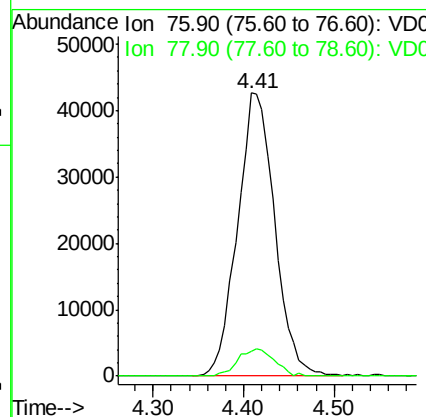
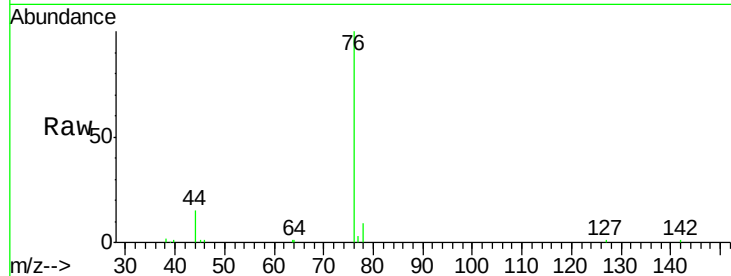
#17
Carbon Disulfide
Concen: 18.116 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.0

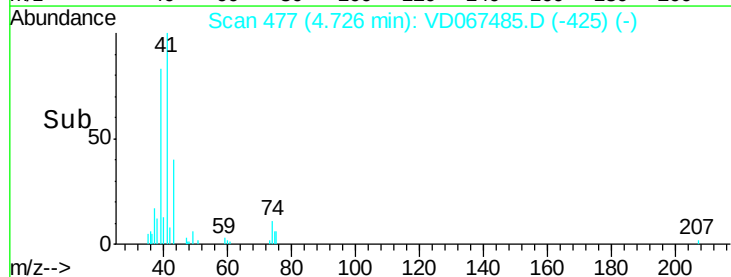
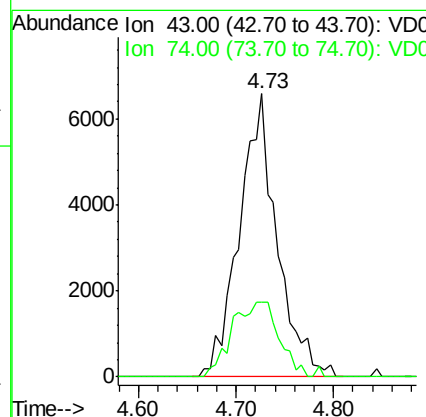
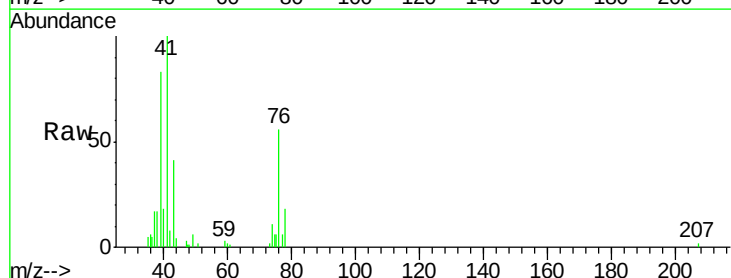
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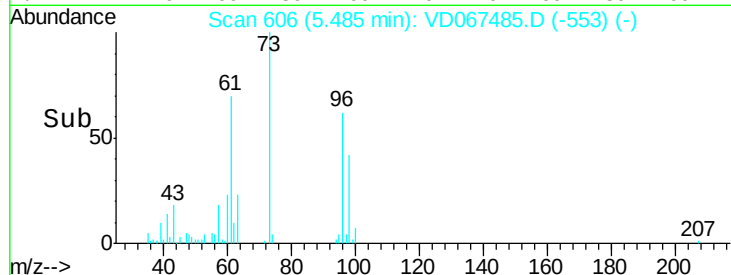
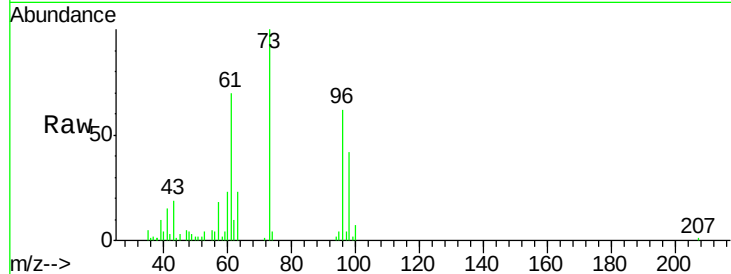
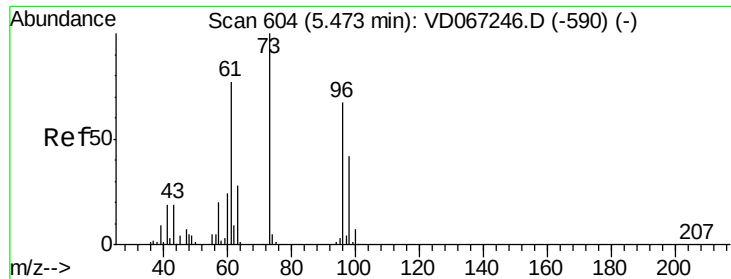
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#18
Methyl Acetate
Concen: 19.457 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.9	26.6	39.8





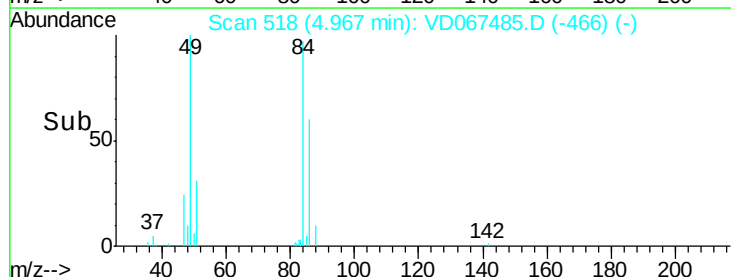
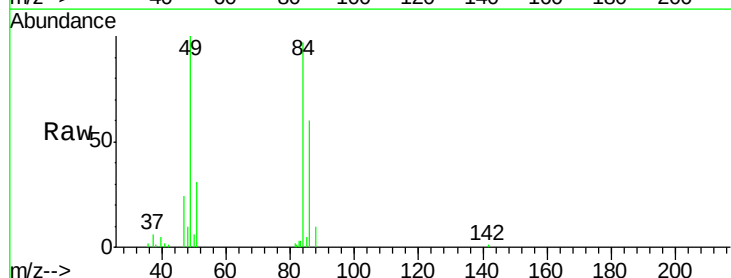
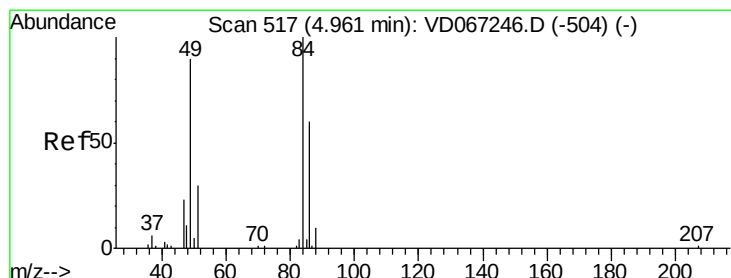
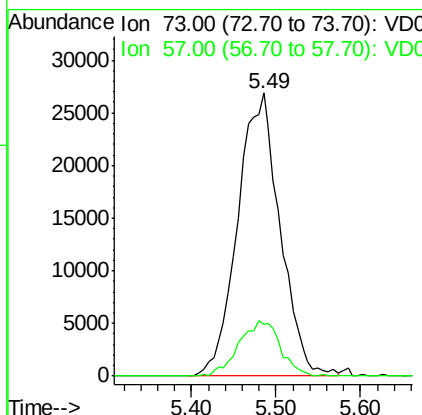
#19
Methyl tert-butyl Ether
Concen: 19.974 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tot Ion: 73 Resp: 93558
Ion Ratio Lower Upper
73 100
57 18.4 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

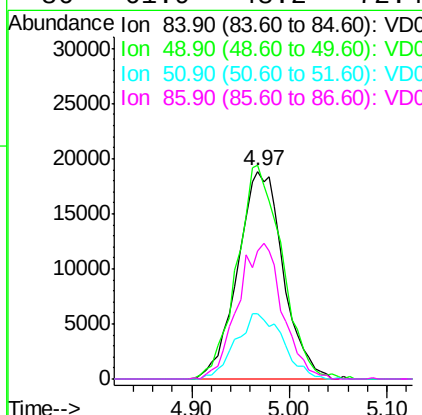
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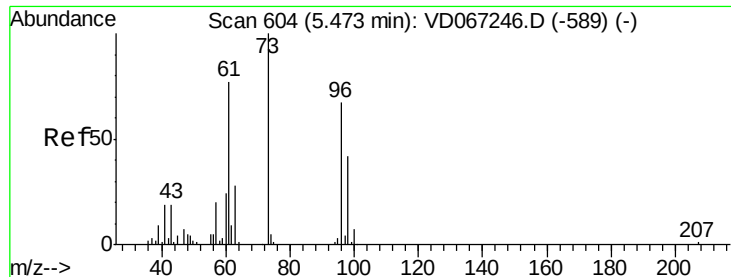
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#20
Methylene Chloride
Concen: 21.384 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion: 84 Resp: 61445
Ion Ratio Lower Upper
84 100
49 102.8 72.2 108.2
51 31.5 23.8 35.8
86 61.9 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 21.078 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

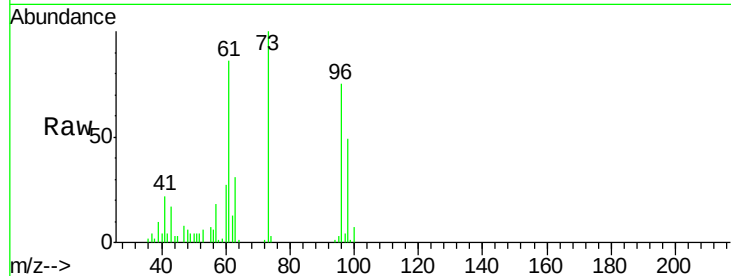
ClientSampleId :

VD1102SBS01

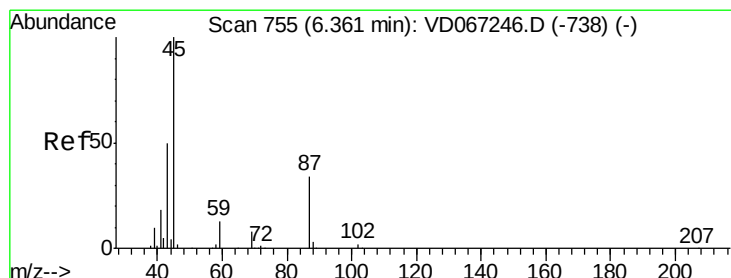
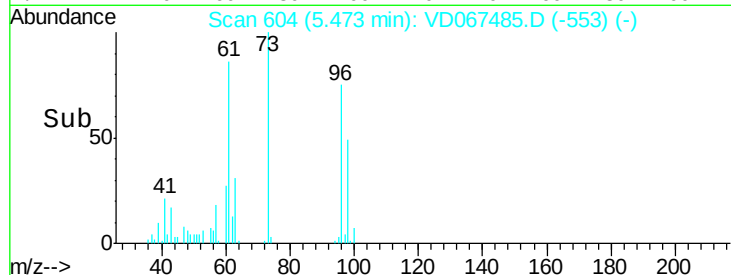
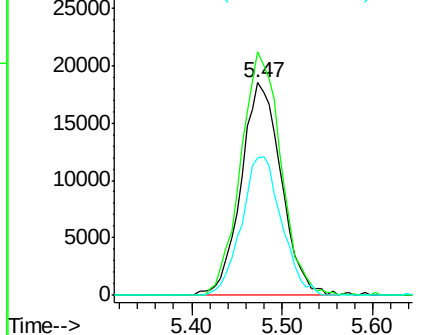
Tot Ion:	96	Resp:	57138
Ion	Ratio	Lower	Upper
96	100		
61	114.4	92.0	138.0
98	64.7	49.8	74.8

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



#22

Diisopropyl ether

Concen: 20.945 ug/l

RT: 6.37 min Scan# 756

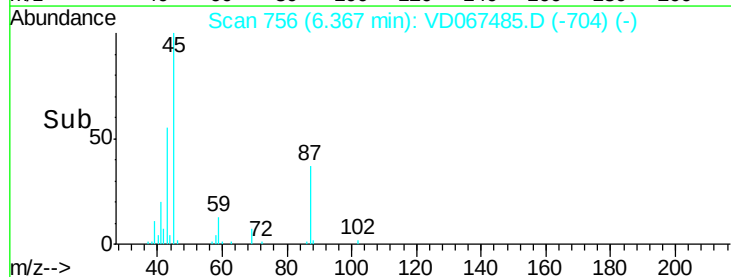
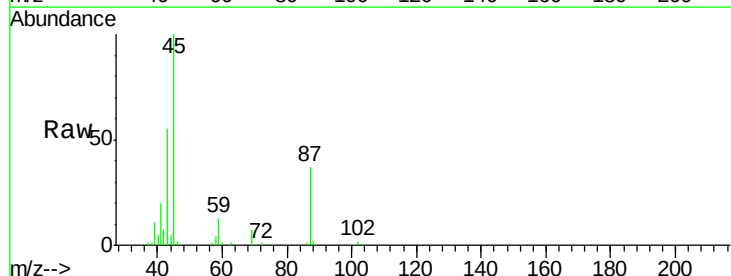
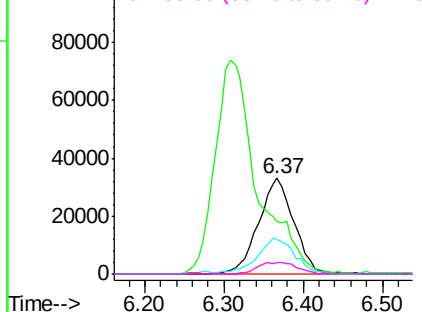
Delta R.T. 0.01 min

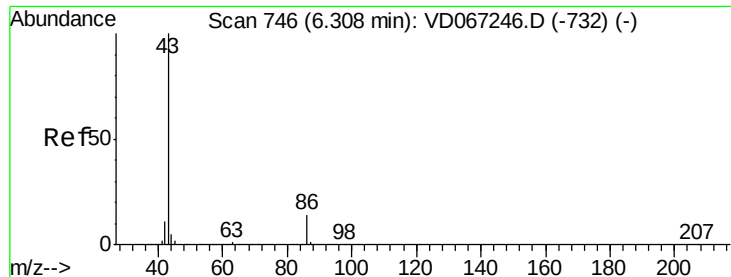
Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Tgt Ion:	45	Resp:	103216
Ion	Ratio	Lower	Upper
45	100		
43	52.7	48.0	72.0
87	36.0	28.5	42.7
59	12.7	10.5	15.7

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 97.503 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion: 43 Resp: 273362

Ion Ratio Lower Upper

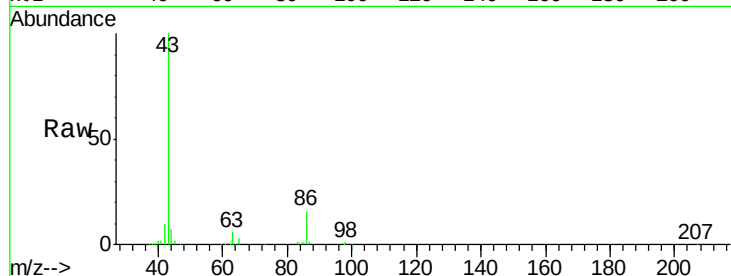
43 100

86 15.9 11.0 16.6

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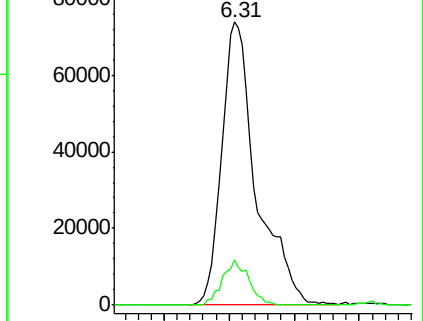
MMDadoda

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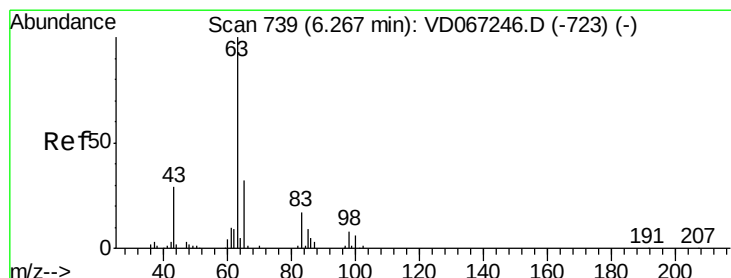
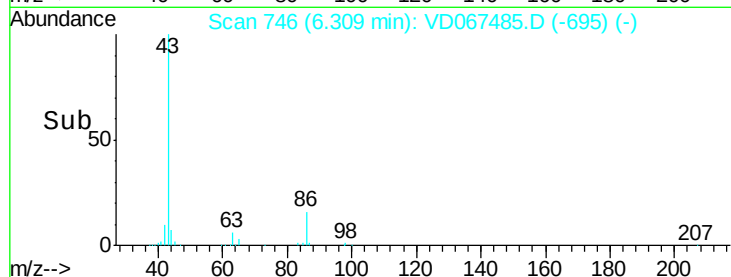


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.710 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

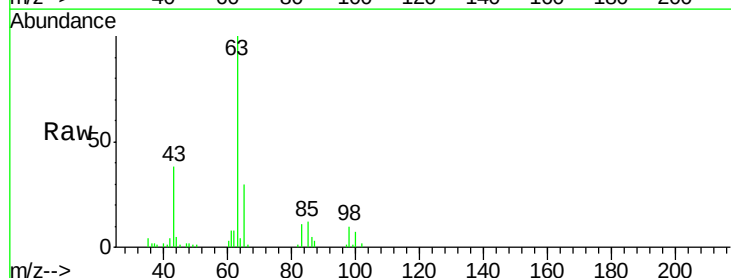
Tgt Ion: 63 Resp: 87364

Ion Ratio Lower Upper

63 100

98 9.8 4.0 12.2

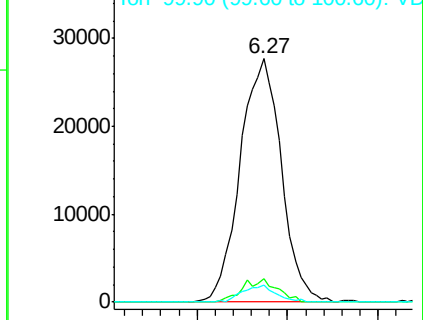
100 6.8 2.8 8.4



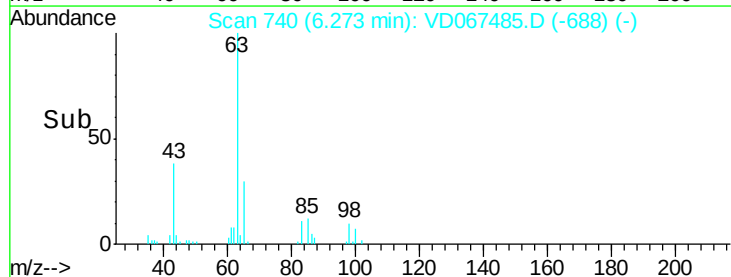
Abundance Ion 62.90 (62.60 to 63.60): VDC

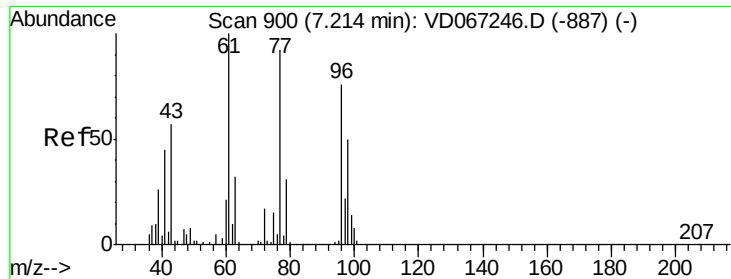
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 95.803 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion: 43 Resp: 43734

Ion Ratio Lower Upper

43 100

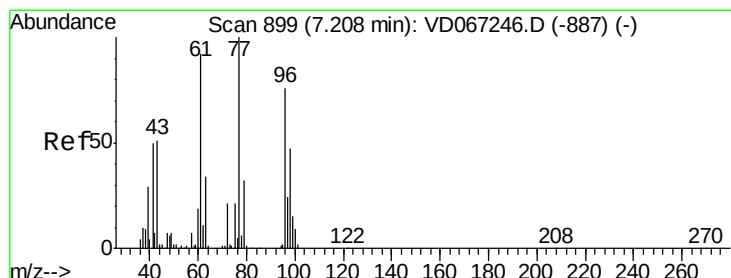
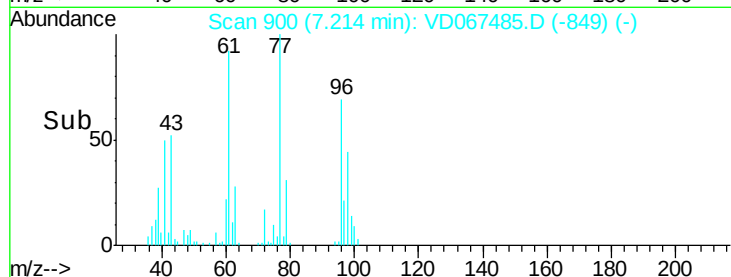
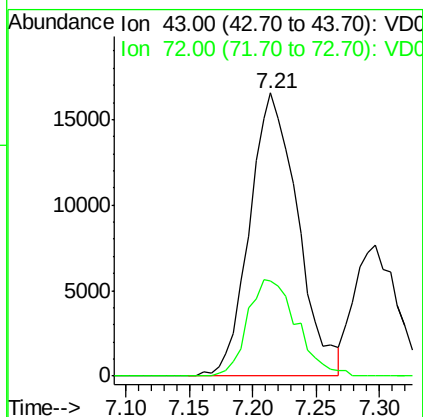
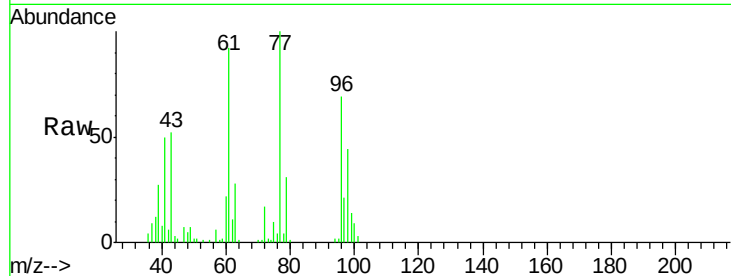
72 33.9 23.7 35.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.081 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067485.D

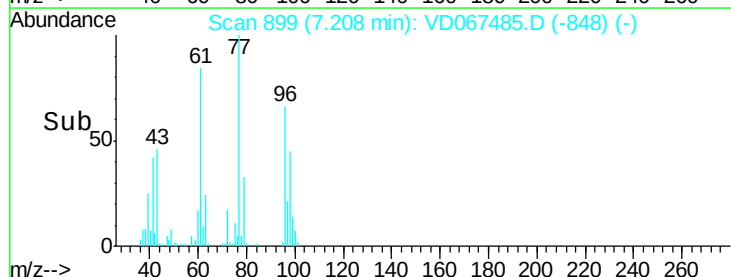
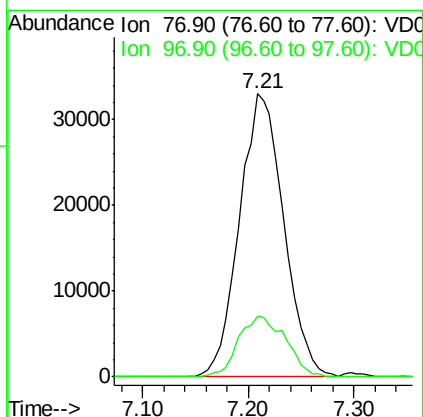
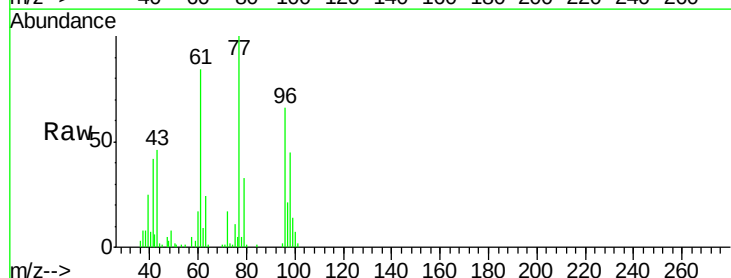
Acq: 02 Nov 2020 12:21

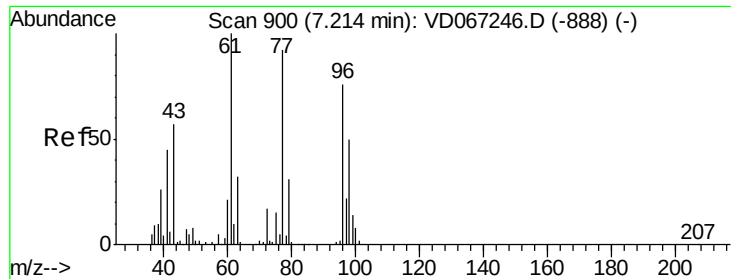
Tgt Ion: 77 Resp: 96007

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.2





#27

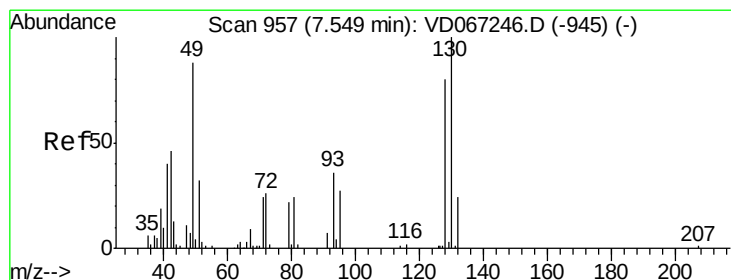
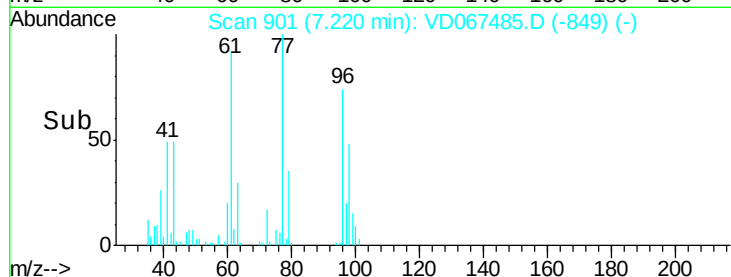
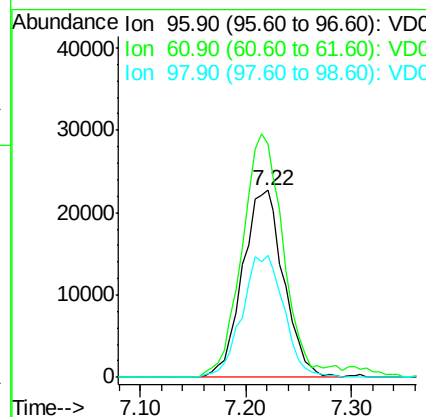
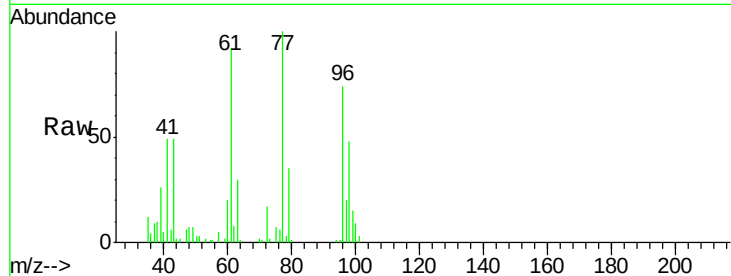
cis-1,2-Dichloroethene
Concen: 20.655 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	255.4
98	66.2	0.0	128.0

Manual Integrations
APPROVED

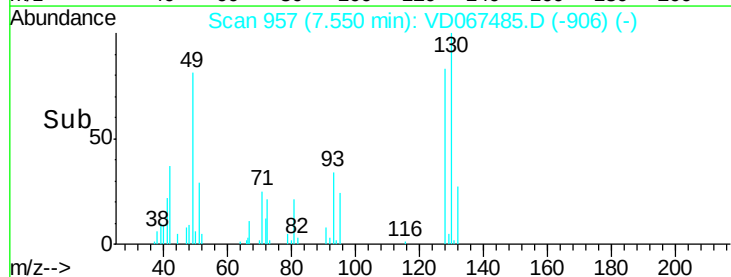
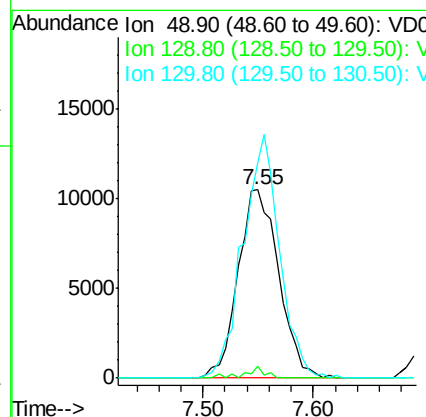
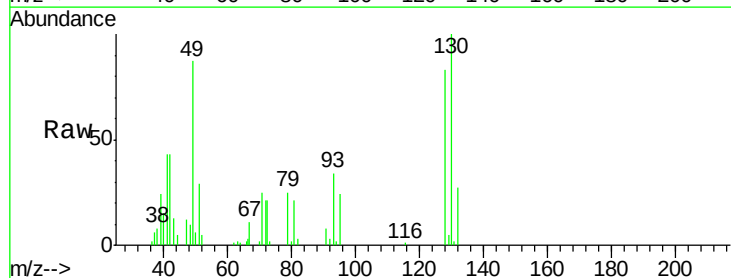
MMDadoda
11/3/2020 2:17:30 PM

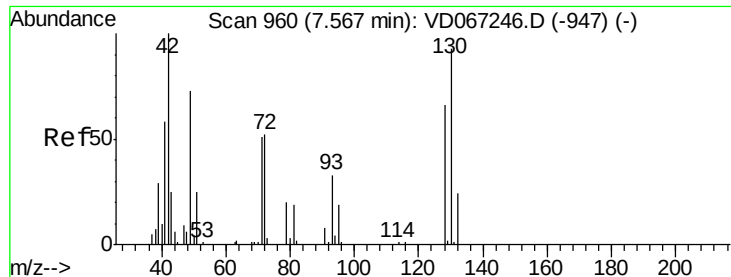


#28

Bromochloromethane
Concen: 18.878 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	1.6#
130	116.1	91.0	136.6





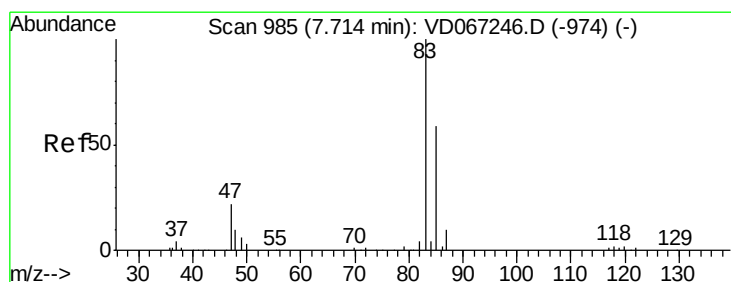
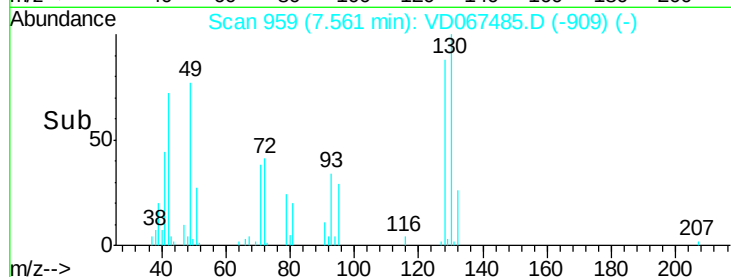
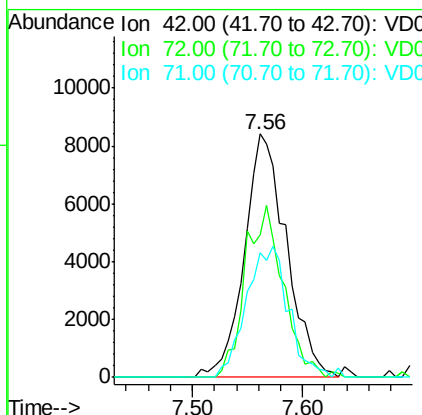
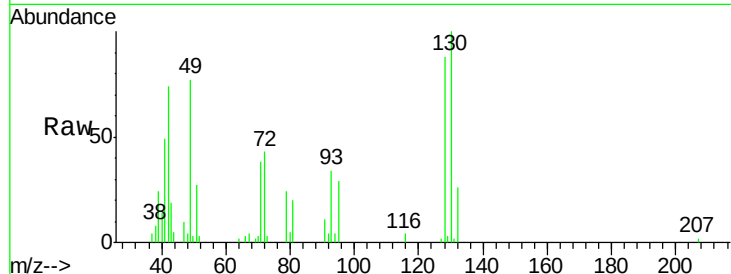
#29
Tetrahydrofuran
Concen: 88.462 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	63.8	43.2	64.8
71	53.7	39.4	59.0

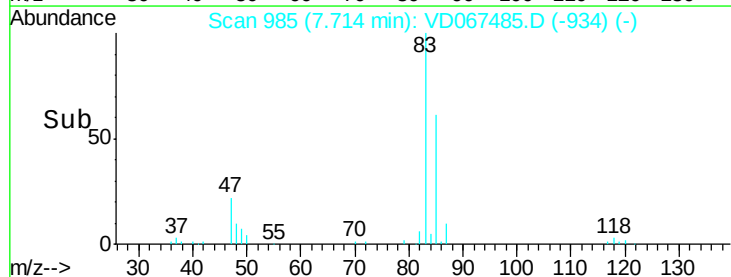
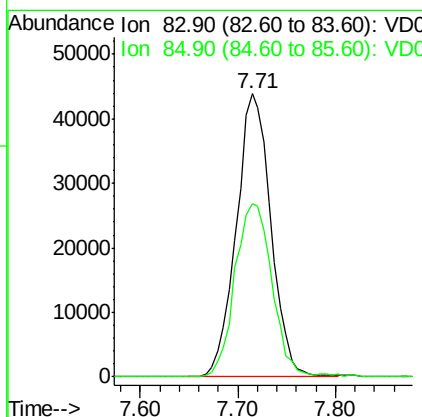
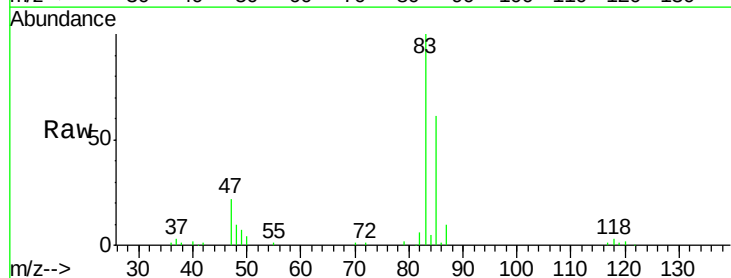
Manual Integrations
APPROVED

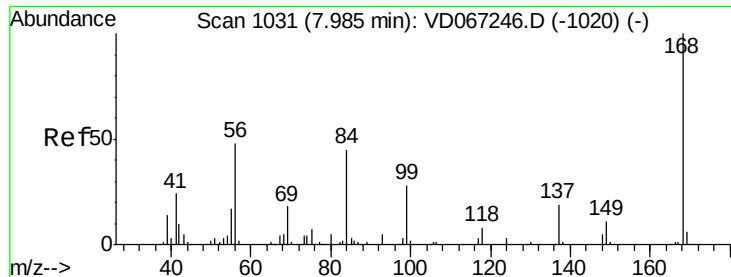
MMDadoda
11/3/2020 2:17:30 PM



#30
Chloroform
Concen: 21.653 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	47.3	70.9





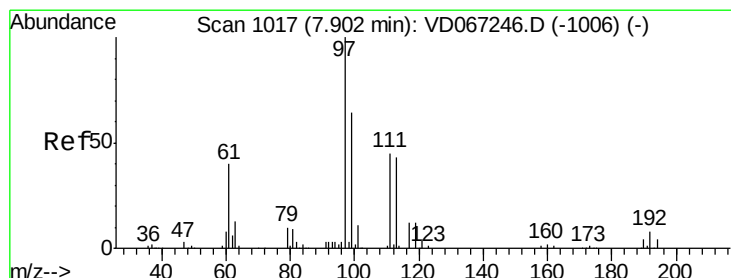
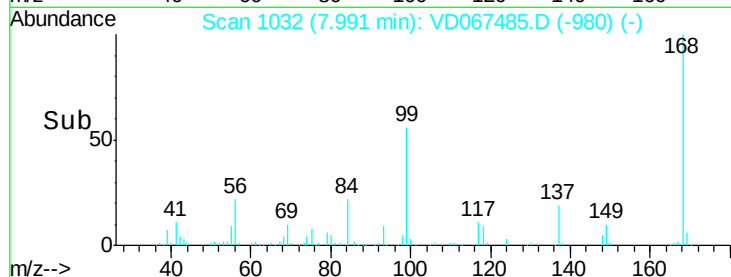
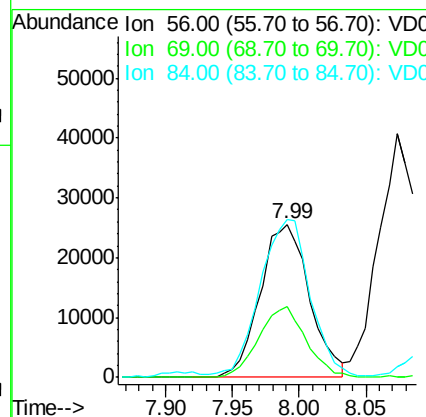
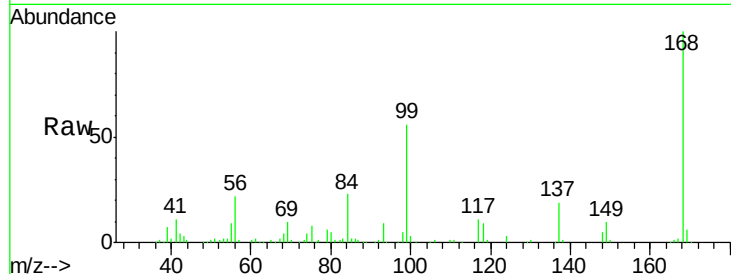
#31
Cyclohexane
Concen: 19.913 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	46.1	29.8	44.6#
84	98.9	76.6	114.8

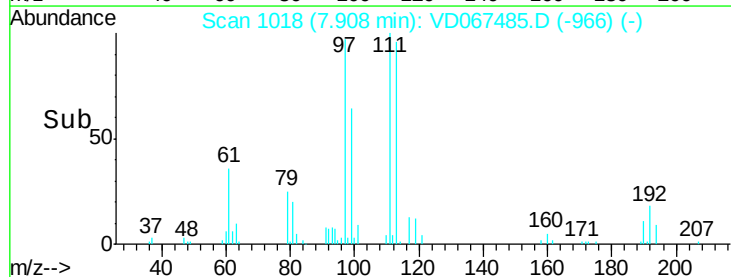
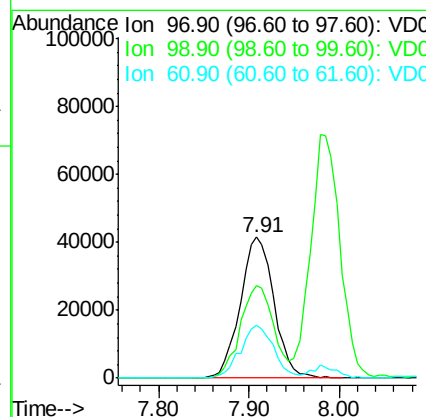
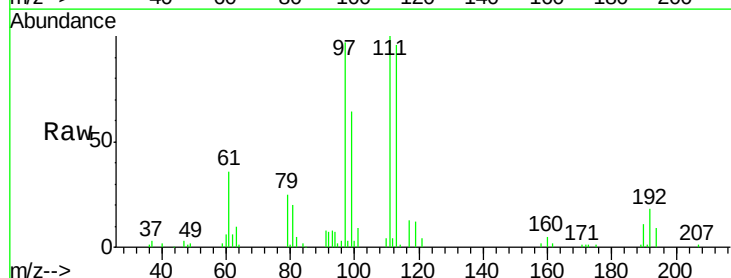
Manual Integrations
APPROVED

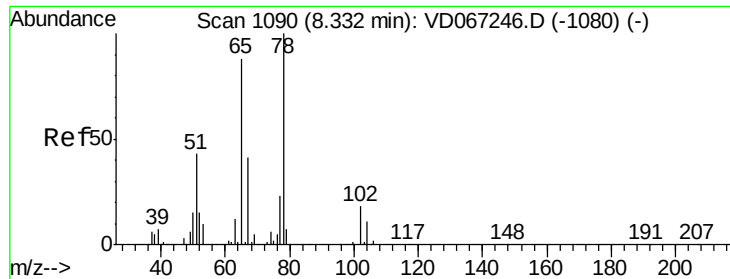
MMDadoda
11/3/2020 2:17:30 PM



#32
1,1,1-Trichloroethane
Concen: 21.739 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.2	75.4
61	36.8	30.5	45.7





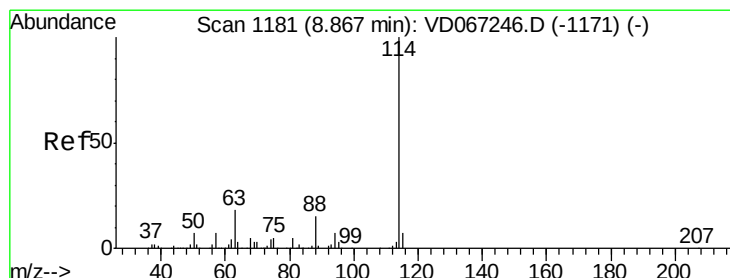
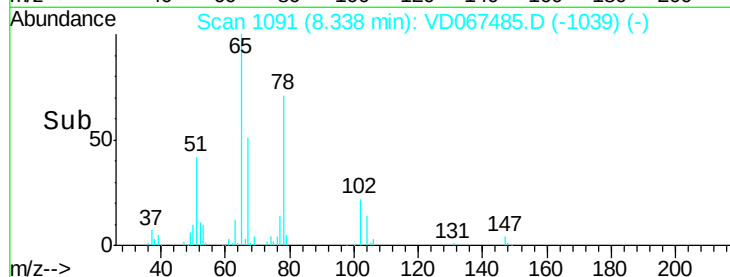
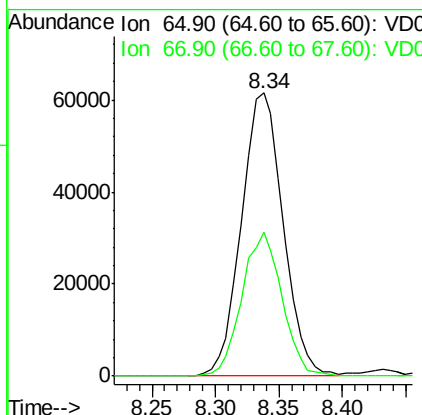
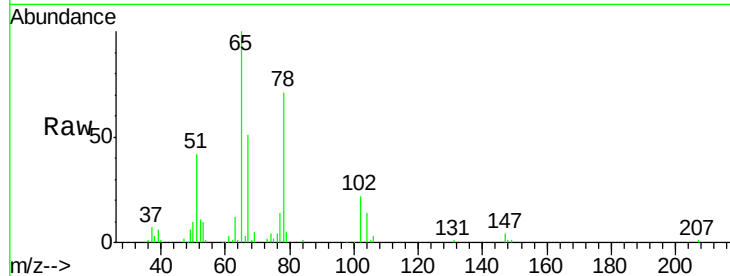
#33
 1,2-Dichloroethane-d4
 Concen: 49.289 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	48.7	0.0	103.8	

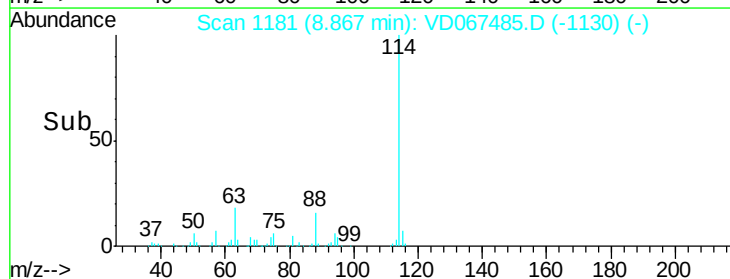
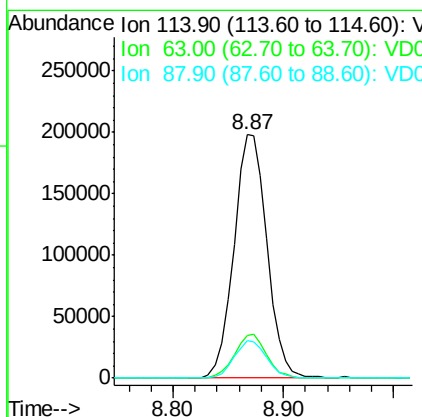
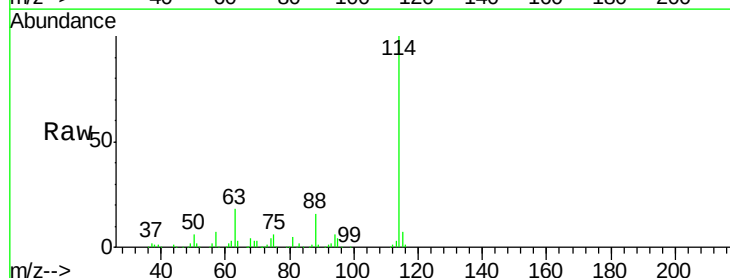
Manual Integrations
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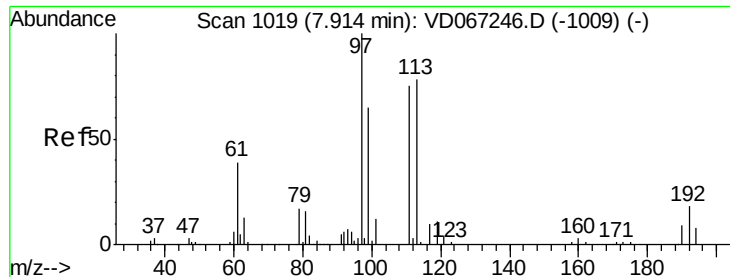
MMDadoda
 11/3/2020 2:17:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.6	0.0	35.0	
88	15.6	0.0	30.6	





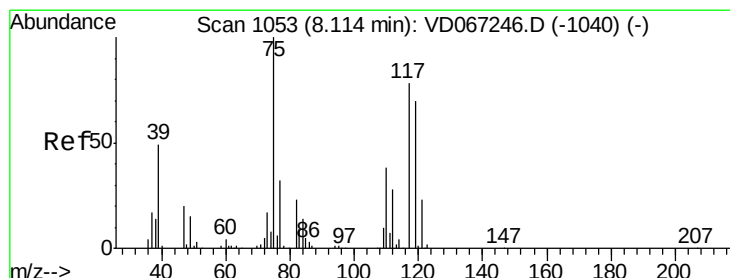
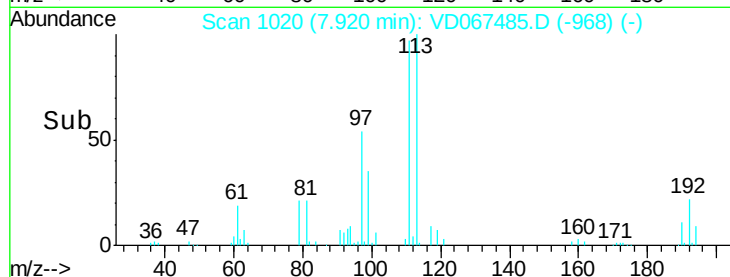
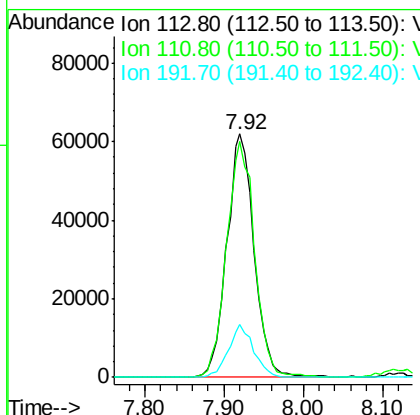
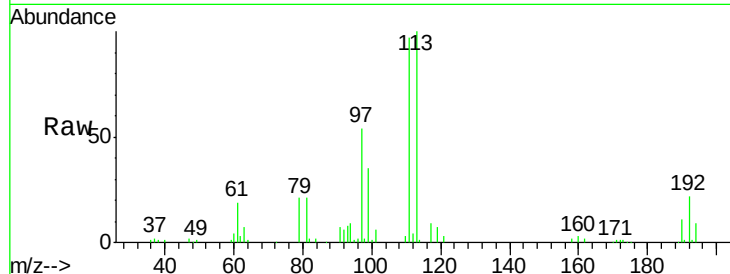
#35
 Dibromofluoromethane
 Concen: 53.309 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147700		
111	98.8	81.6	122.4	
192	20.0	17.0	25.4	

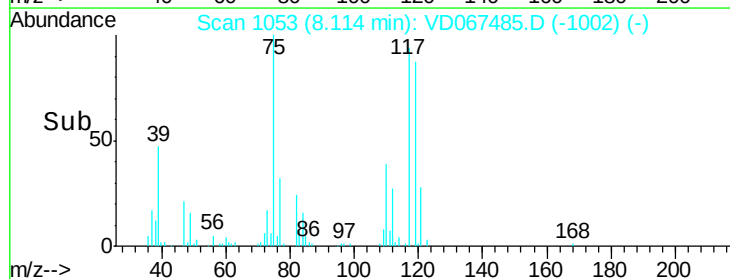
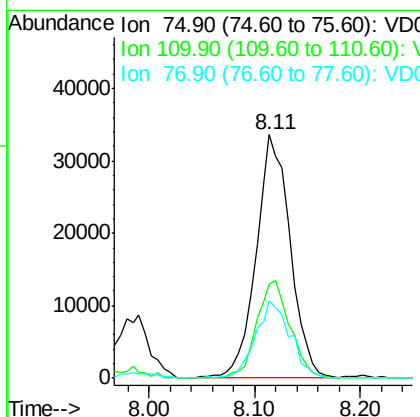
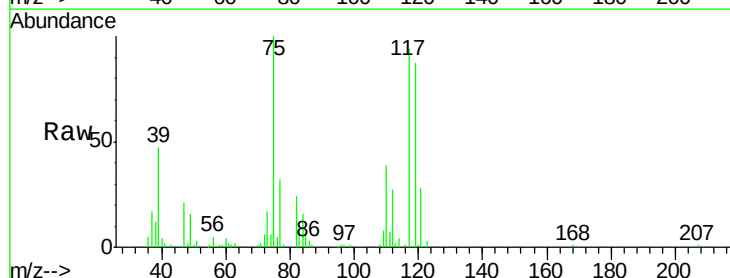
Manual Integrations
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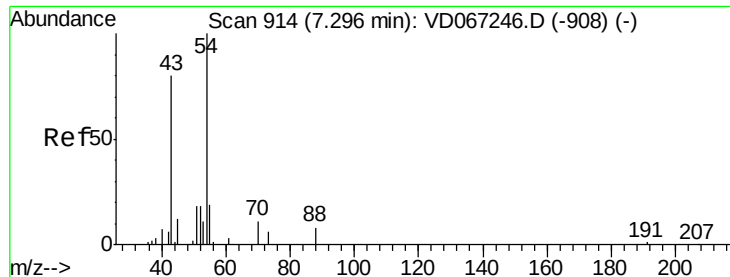
MMDadoda
 11/3/2020 2:17:30 PM



#36
 1,1-Dichloropropene
 Concen: 21.379 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75438		
110	39.3	19.6	58.7	
77	32.3	24.6	37.0	





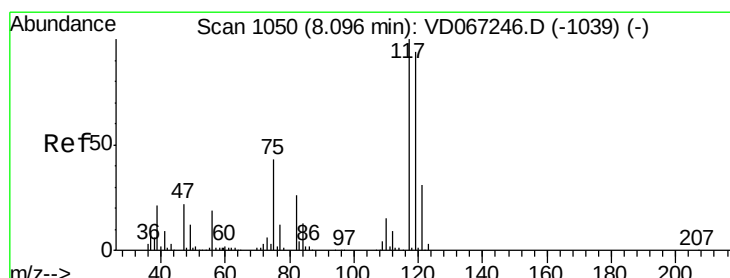
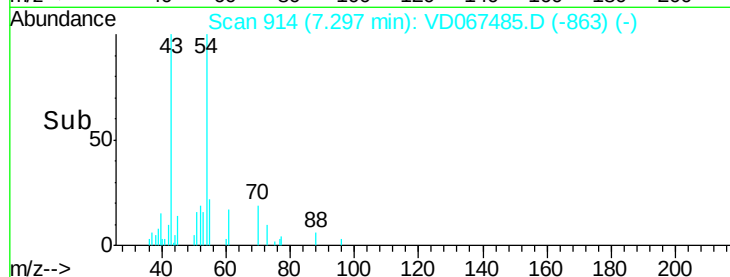
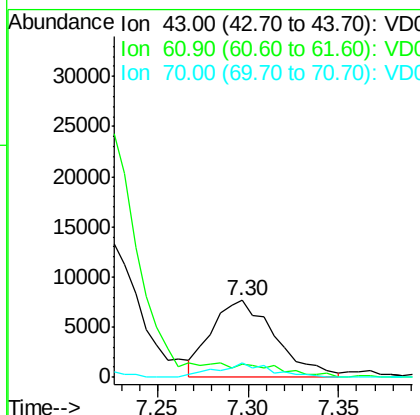
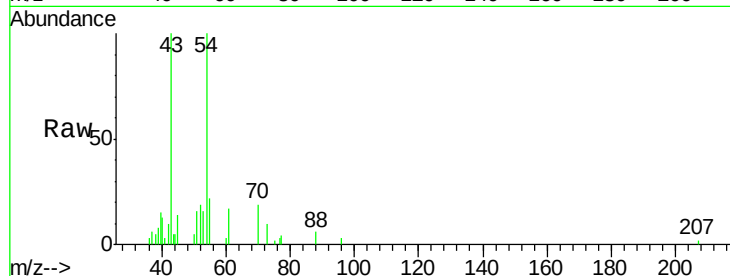
#37
Ethyl Acetate
Concen: 18.044 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.6	23.4#
70	16.6	10.4	15.6#

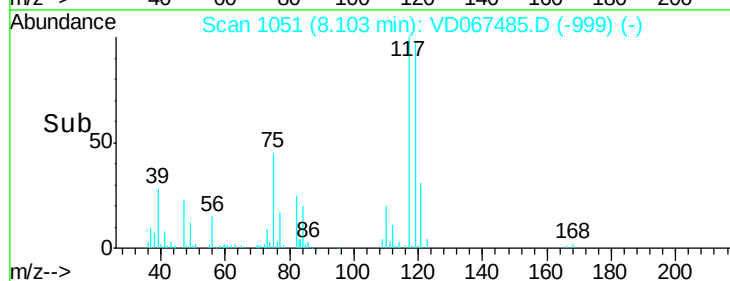
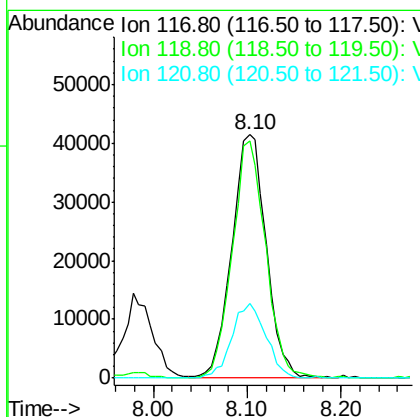
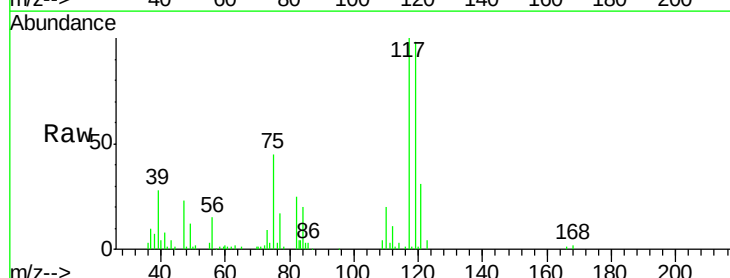
Manual Integrations
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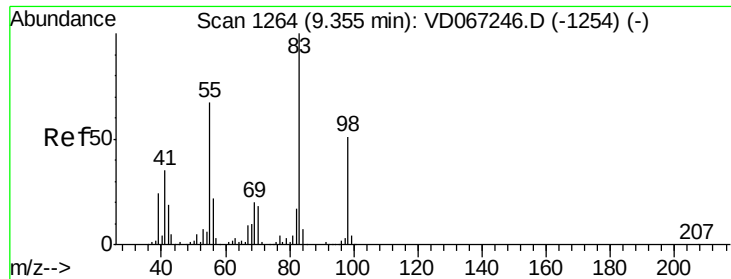
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11/3/2020 2:17:30 PM



#38
Carbon Tetrachloride
Concen: 23.357 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.0	112.4
121	30.6	24.9	37.3





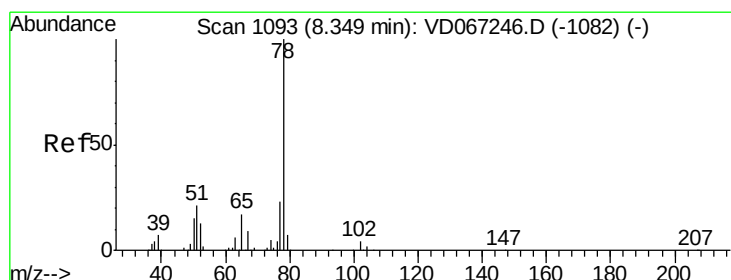
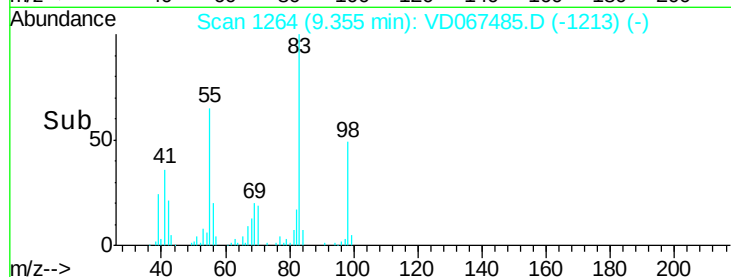
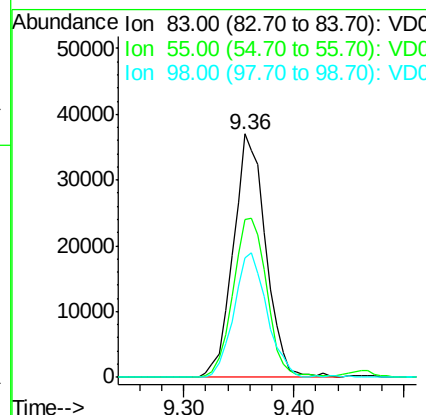
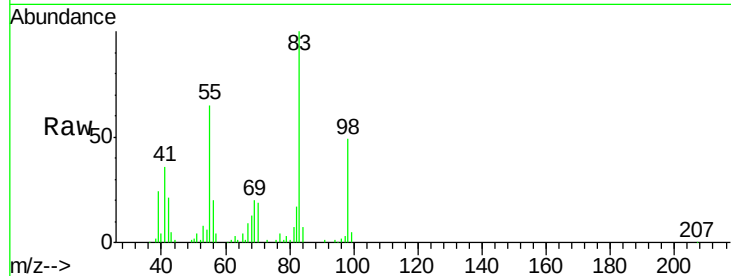
#39
Methylvlcyclohexane
Concen: 20.711 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	83	Resp	76400
Ion Ratio	100	Lower	Upper
83	100		
55	65.0	53.3	79.9
98	48.8	41.0	61.4

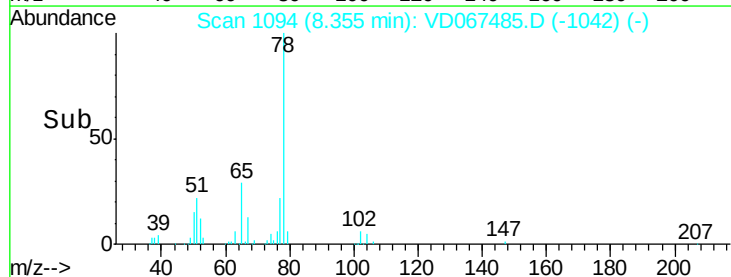
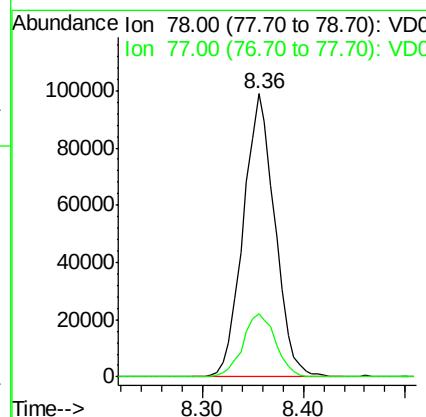
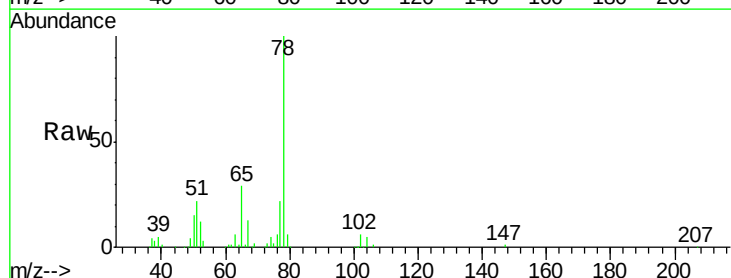
Manual Integrations
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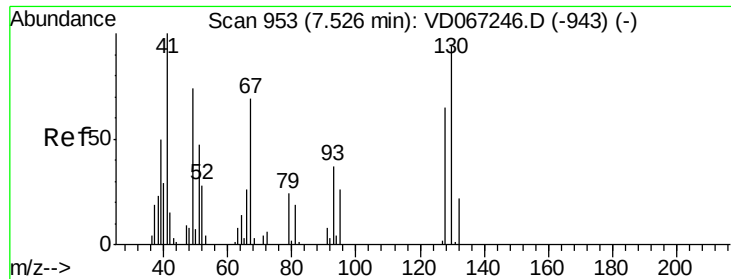
MMDadoda
11/3/2020 2:17:30 PM



#40
Benzene
Concen: 22.136 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	78	Resp	214286
Ion Ratio	100	Lower	Upper
78	100		
77	22.1	18.3	27.5





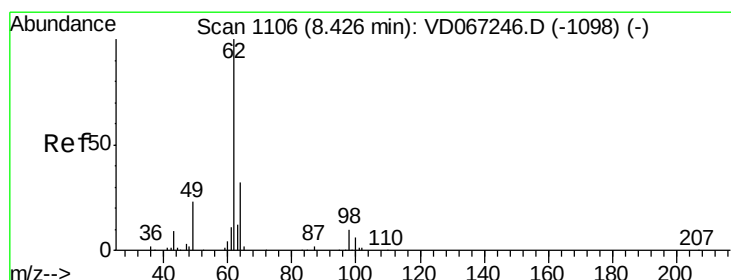
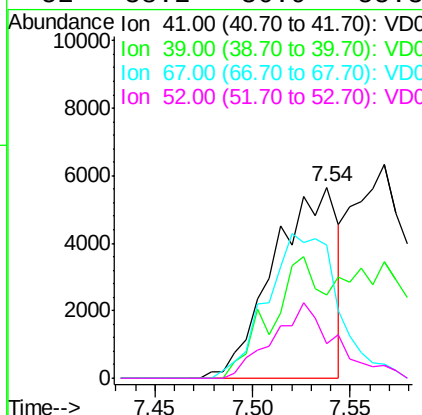
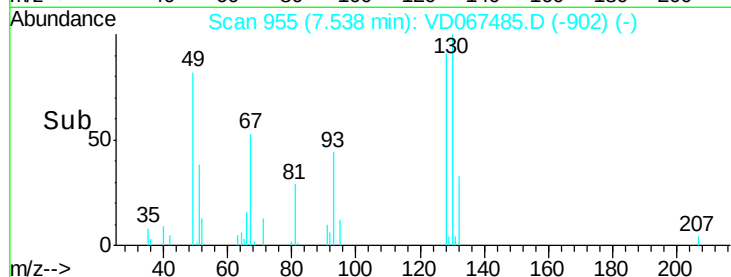
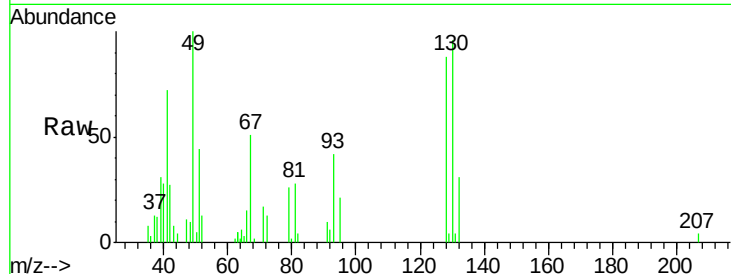
#41
Methacrylonitrile
Concen: 22.967 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		12885		
39	50.9	60.0	90.0#		
67	84.4	88.9	133.3#		
52	38.2	36.9	55.3		

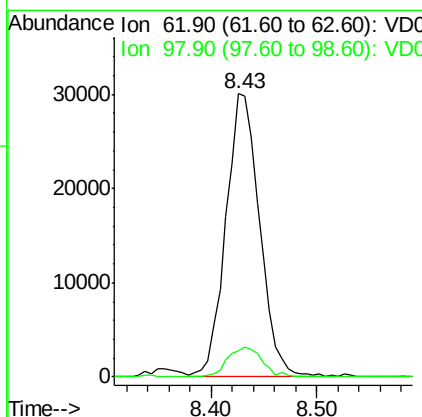
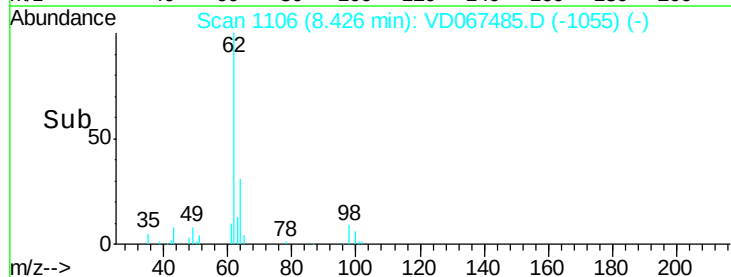
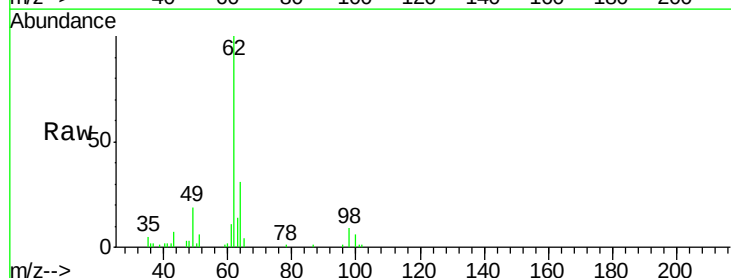
Manual Integrations
APPROVED

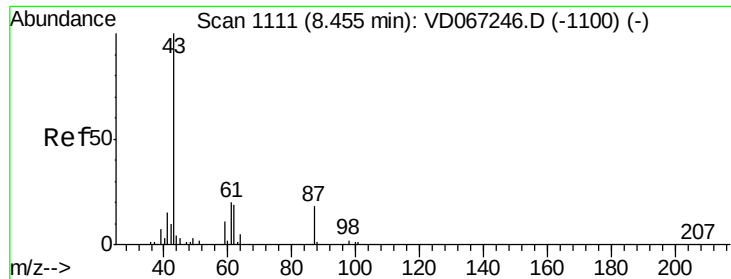
MMDadoda
11/3/2020 2:17:30 PM



#42
1,2-Dichloroethane
Concen: 21.946 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		66485		
98	10.6	0.0	19.4		





#43

Isopropyl Acetate

Concen: 19.649 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

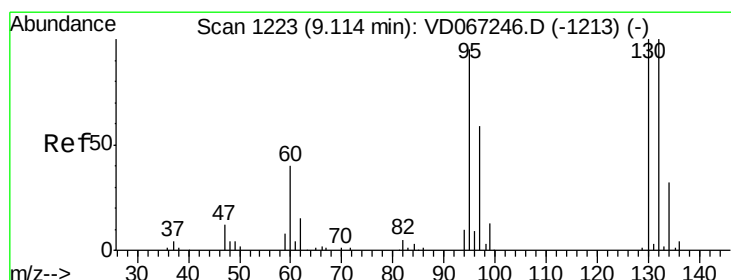
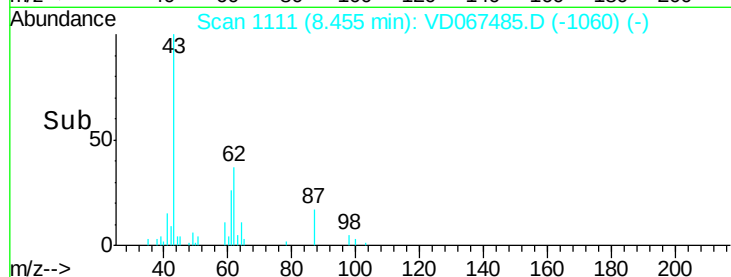
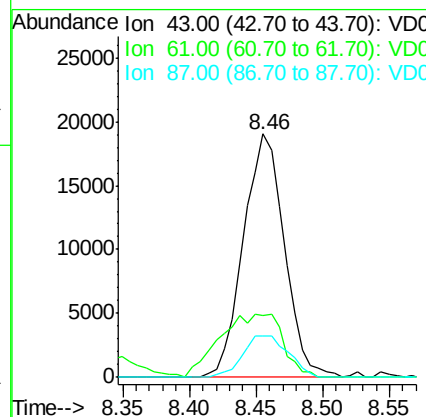
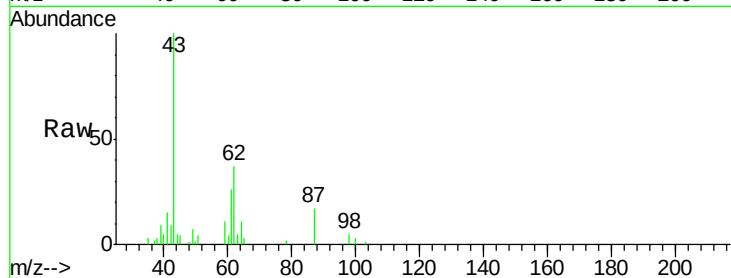
ClientSampleId :

VD1102SBS01

Tot Ion:	43	Resp:	40477
Ion	Ratio	Lower	Upper
43	100		
61	40.1	29.5	44.3
87	19.0	14.2	21.4

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#44

Trichloroethene

Concen: 21.747 ug/l

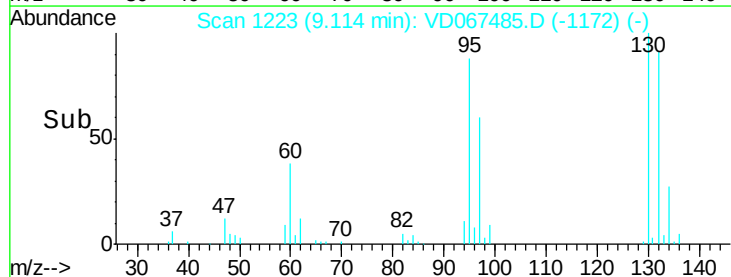
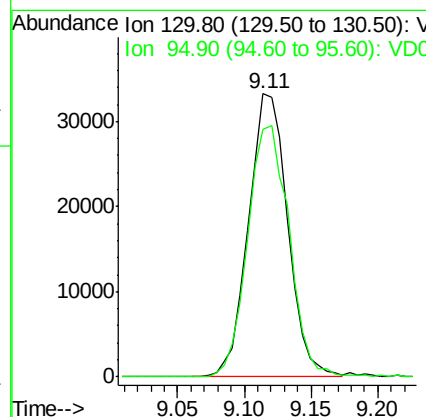
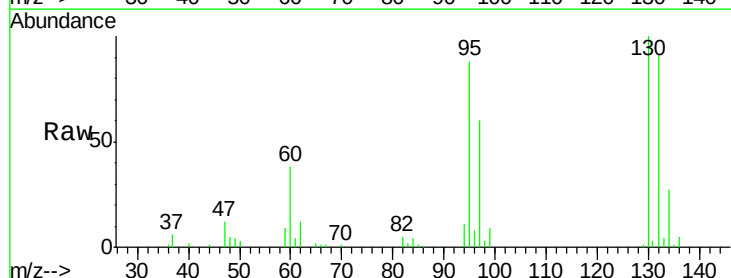
RT: 9.11 min Scan# 1223

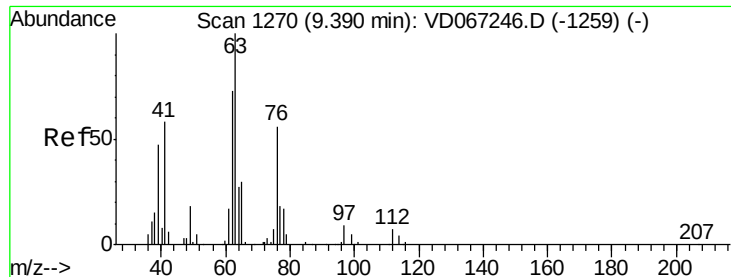
Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Tgt Ion:	130	Resp:	67403
Ion	Ratio	Lower	Upper
130	100		
95	87.6	0.0	190.6





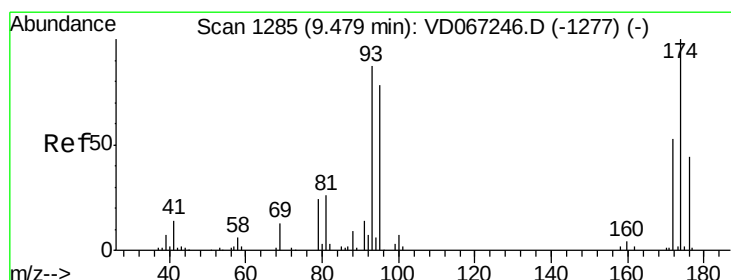
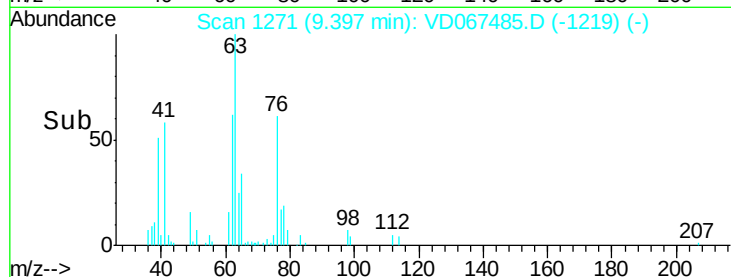
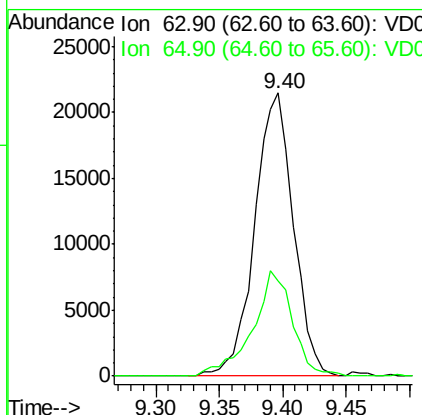
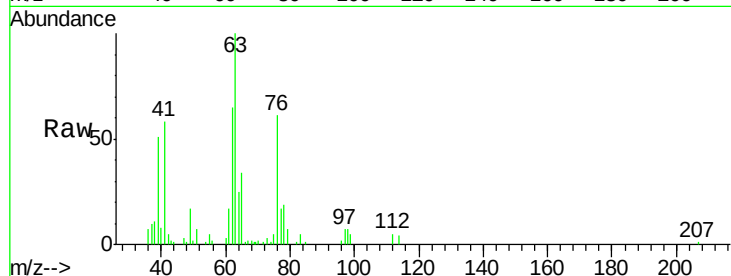
#45
 1,2-Dichloropropane
 Concen: 20.348 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.6	24.6	36.8

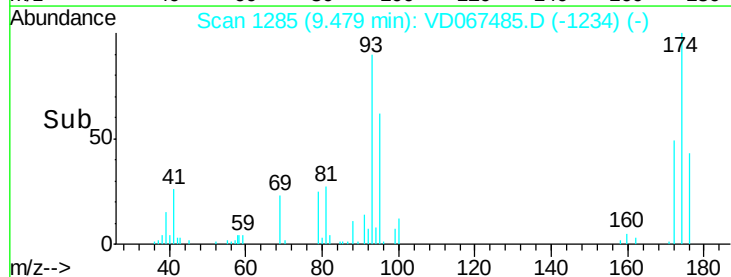
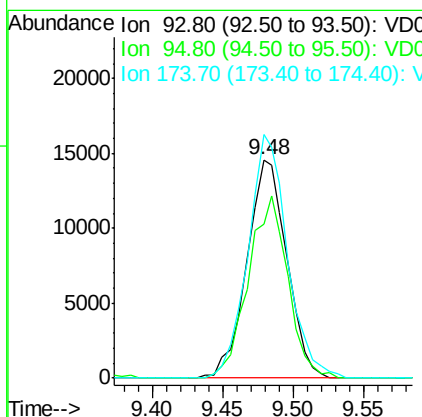
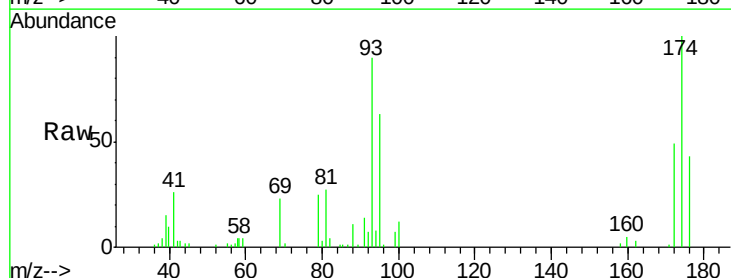
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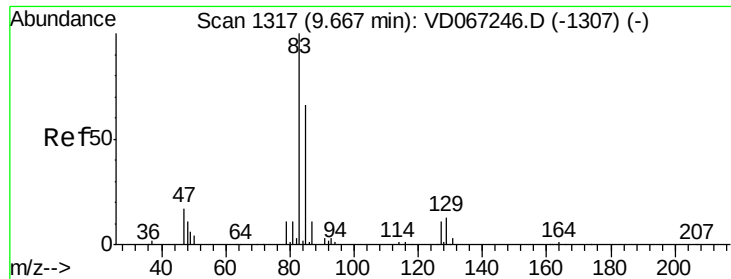
MMDadoda
 11/3/2020 2:17:30 PM



#46
 Dibromomethane
 Concen: 20.647 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	68.0	102.0
174	110.1	91.8	137.6





#47

Bromodichloromethane

Concen: 21.404 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

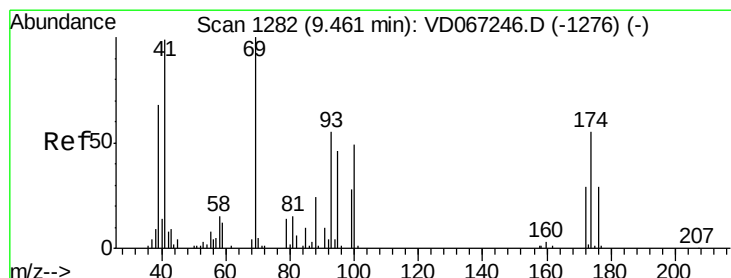
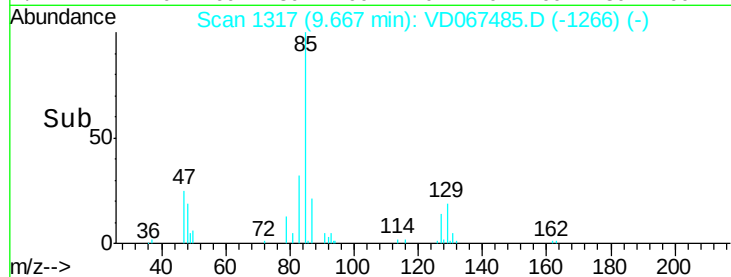
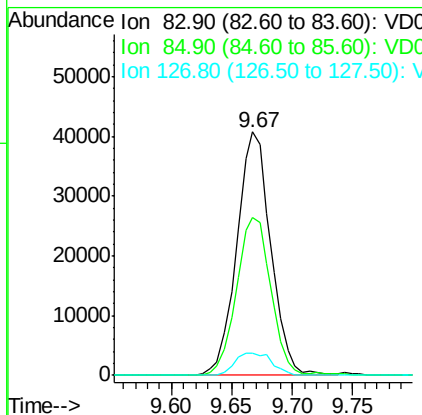
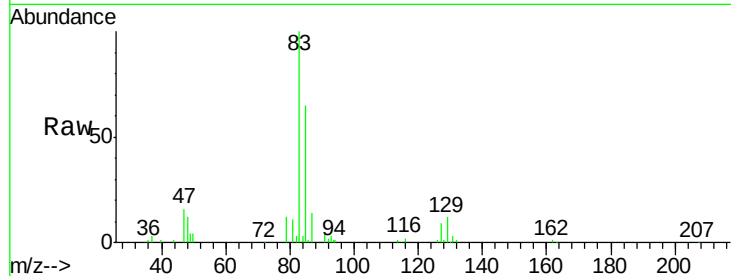
ClientSampleId :

VD1102SBS01

Tot Ion:	83	Resp:	80160
Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.1	79.7
127	9.1	8.6	13.0

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#48

Methyl methacrylate

Concen: 19.391 ug/l

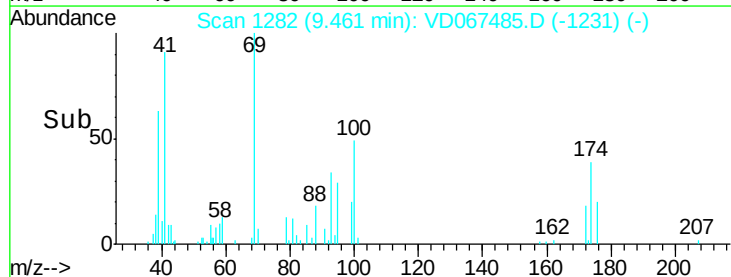
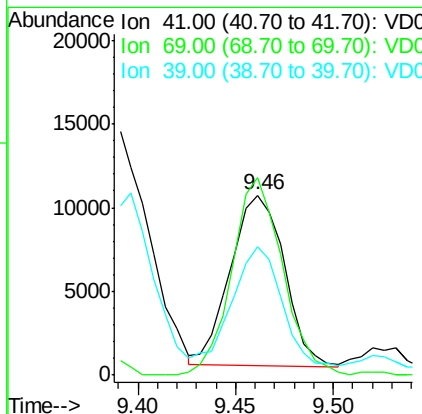
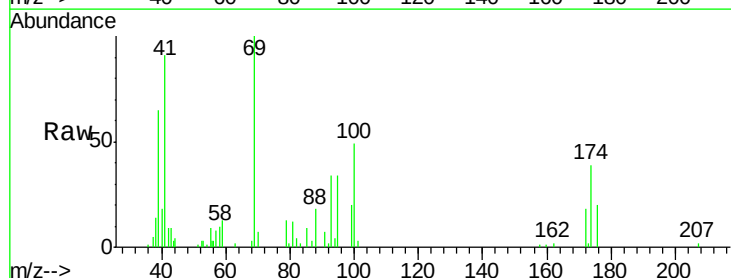
RT: 9.46 min Scan# 1282

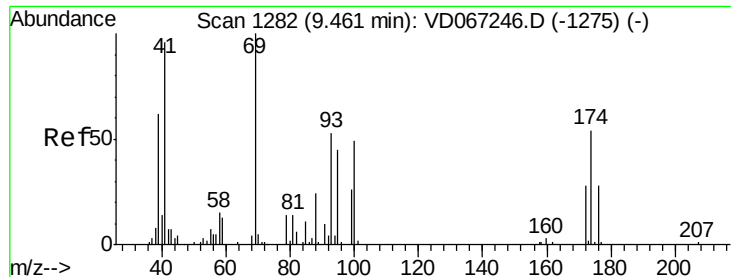
Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Tgt Ion:	41	Resp:	19412
Ion	Ratio	Lower	Upper
41	100		
69	109.3	89.0	133.6
39	77.0	60.2	90.2





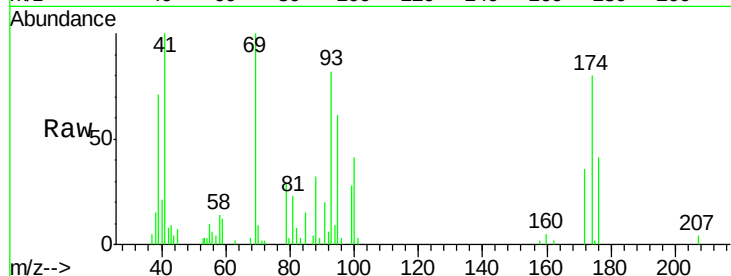
#49
1,4-Dioxane
Concen: 412.481 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	23.9	35.9#
58	59.3	51.0	76.6

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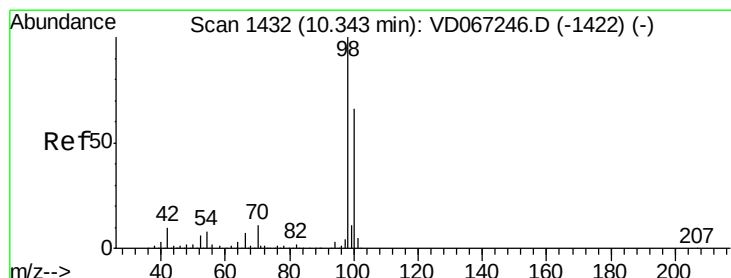
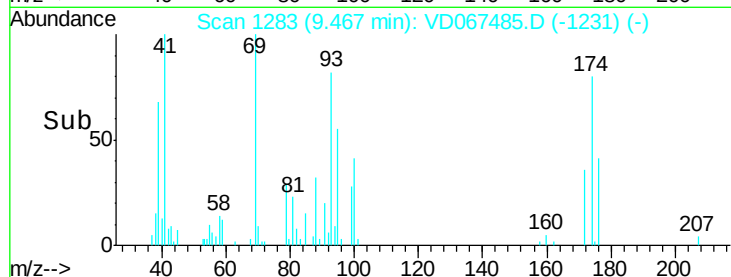
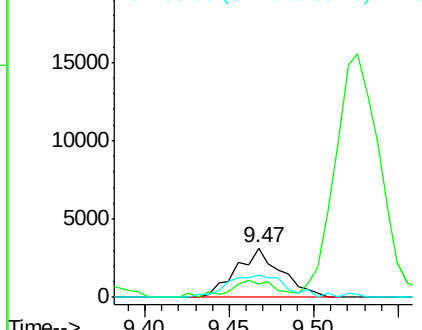


Abundance

Ion 88.00 (87.70 to 88.70): VDC

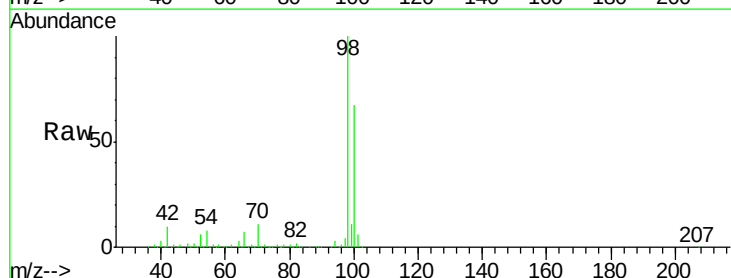
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 51.614 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

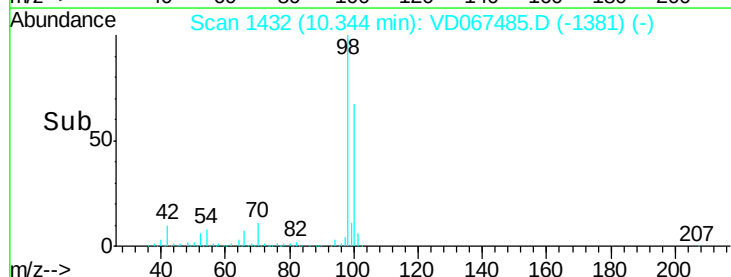
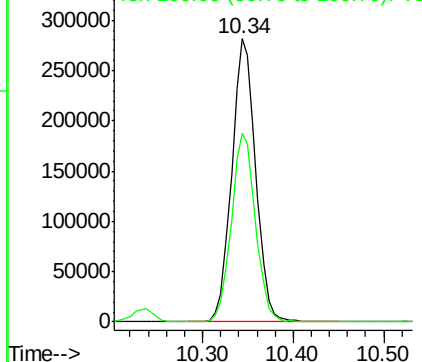
Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.1	79.7

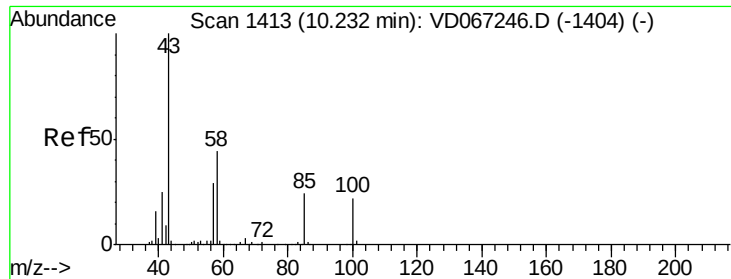


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 97.917 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion: 43 Resp: 100607

Ion Ratio Lower Upper

43 100

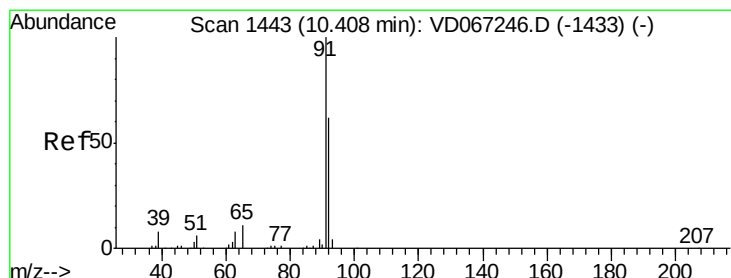
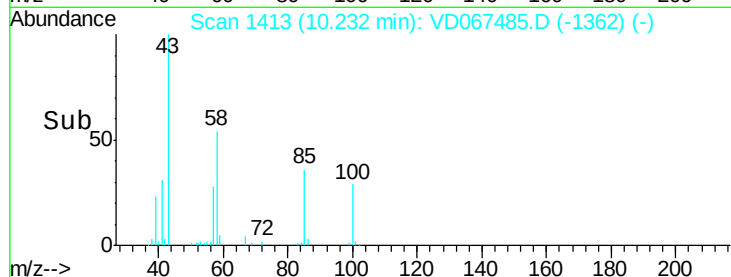
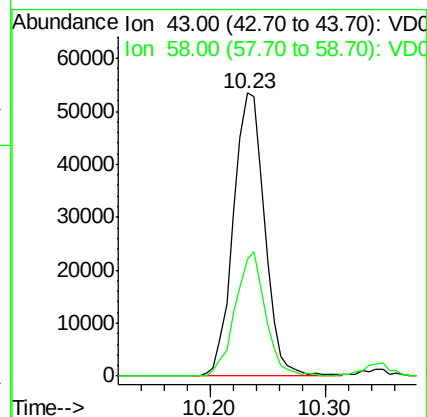
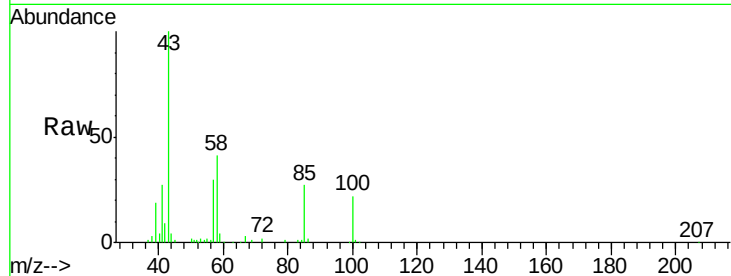
58 42.3 35.7 53.5

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#52

Toluene

Concen: 22.177 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067485.D

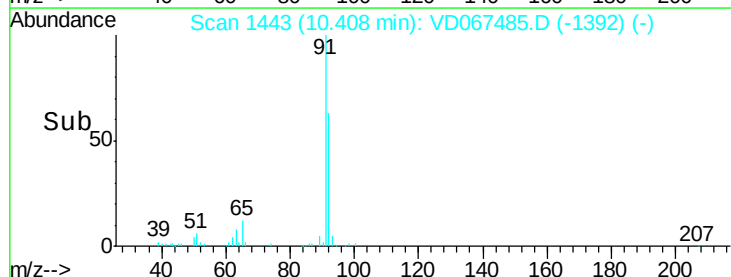
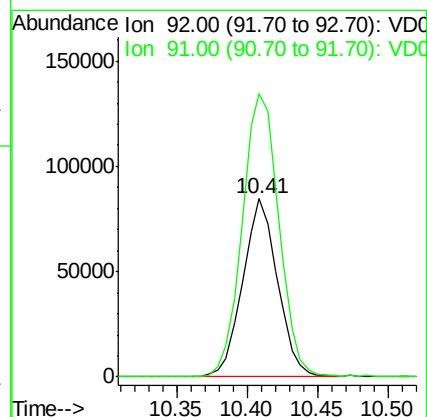
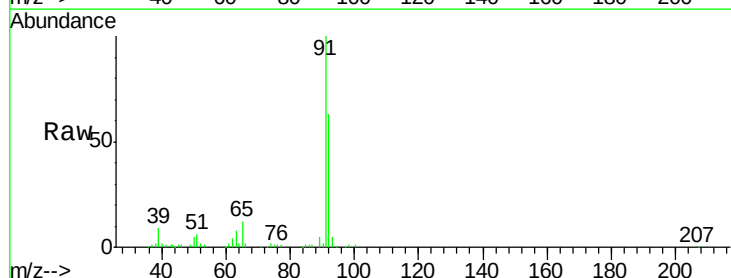
Acq: 02 Nov 2020 12:21

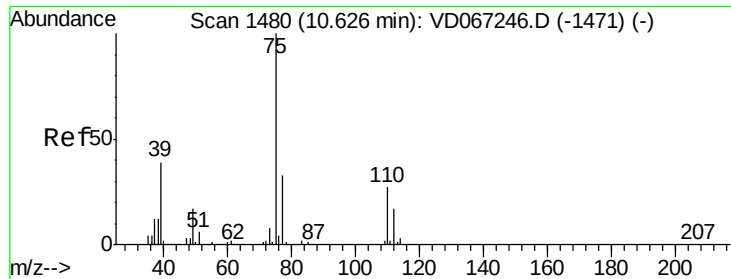
Tgt Ion: 92 Resp: 146219

Ion Ratio Lower Upper

92 100

91 167.7 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 21.419 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion: 75 Resp: 70465

Ion Ratio Lower Upper

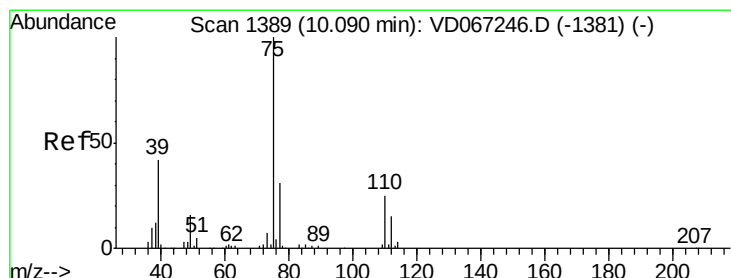
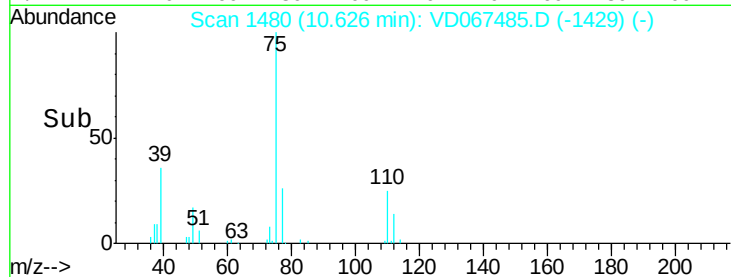
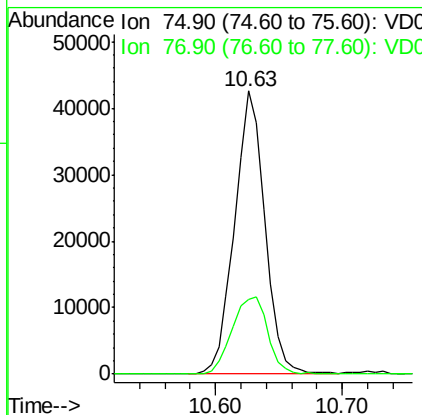
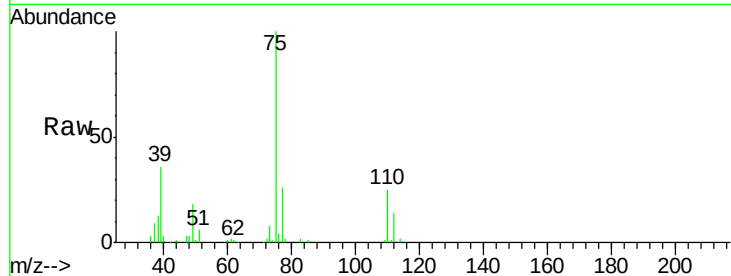
75 100

77 26.3 26.5 39.7#

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#54

cis-1,3-Dichloropropene

Concen: 21.419 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

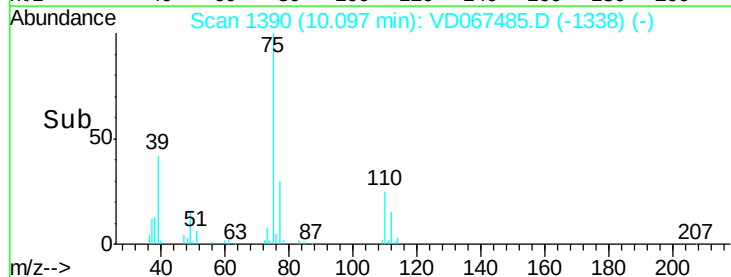
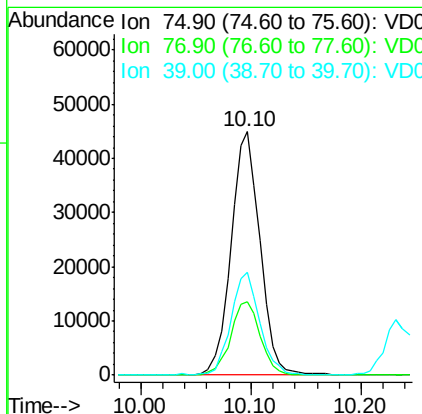
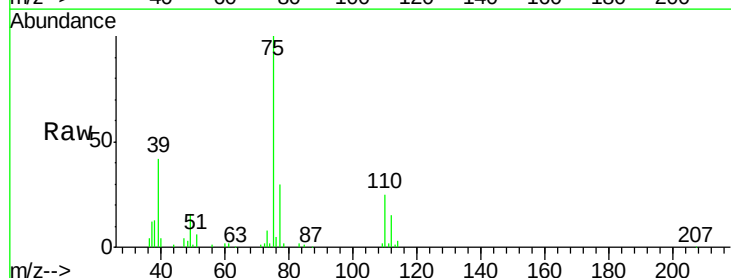
Tgt Ion: 75 Resp: 82465

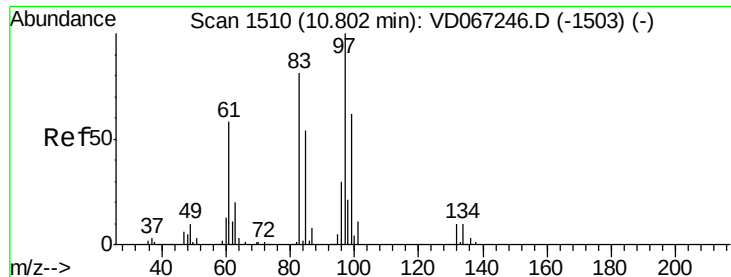
Ion Ratio Lower Upper

75 100

77 30.3 24.5 36.7

39 42.4 33.7 50.5





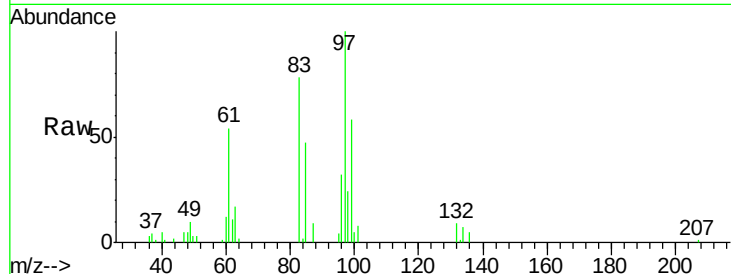
#55
 1,1,2-Trichloroethane
 Concen: 20.991 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

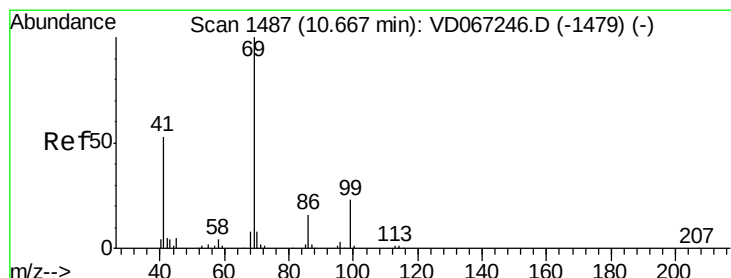
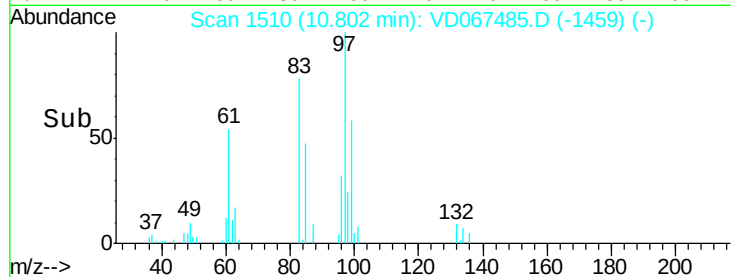
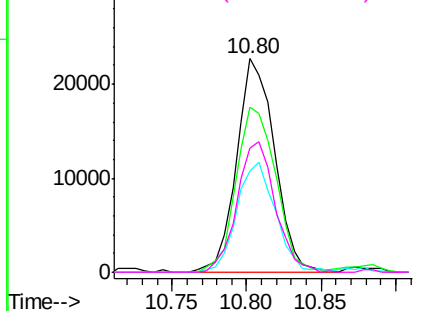
Tot Ion	97	Resp:	40010
Ion	Ratio	Lower	Upper
97	100		
83	77.6	64.9	97.3
85	47.2	43.3	64.9
99	58.4	49.1	73.7

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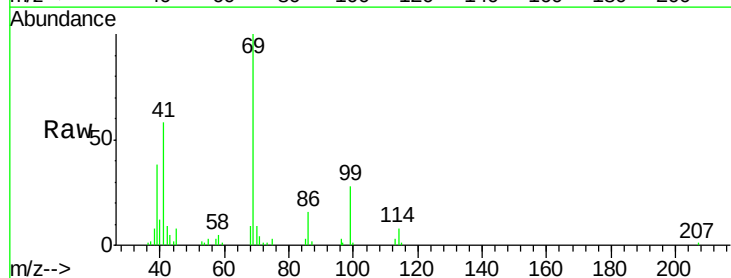


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

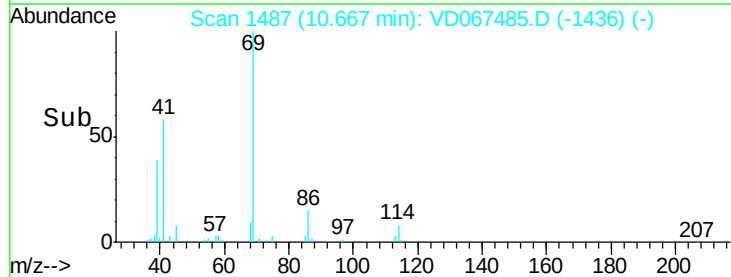
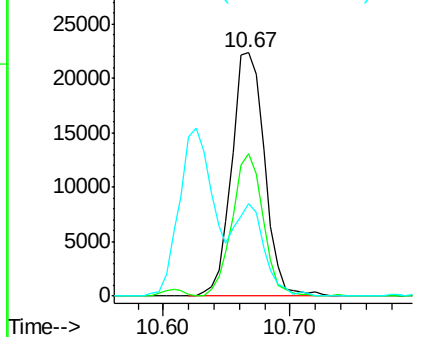


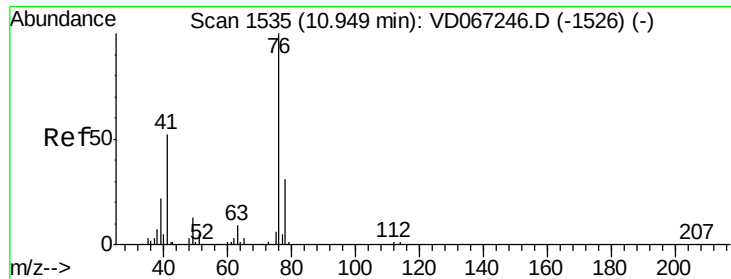
#56
 Ethyl methacrylate
 Concen: 20.267 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Tgt Ion	69	Resp:	40065
Ion	Ratio	Lower	Upper
69	100		
41	55.1	44.7	67.1
39	34.5	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





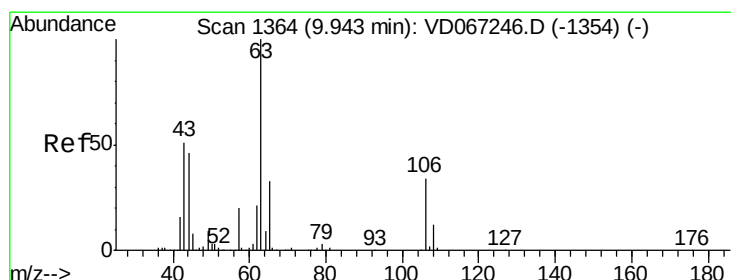
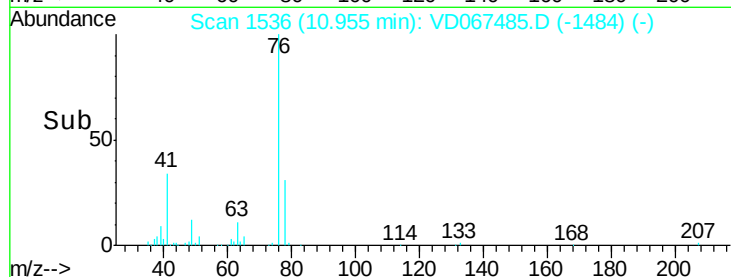
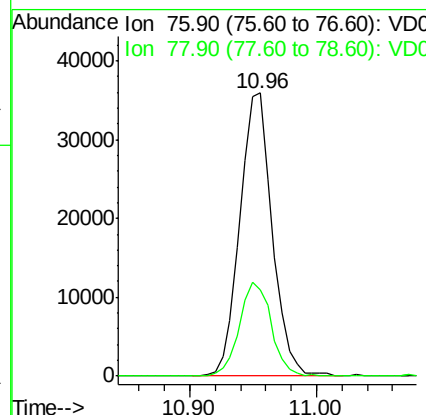
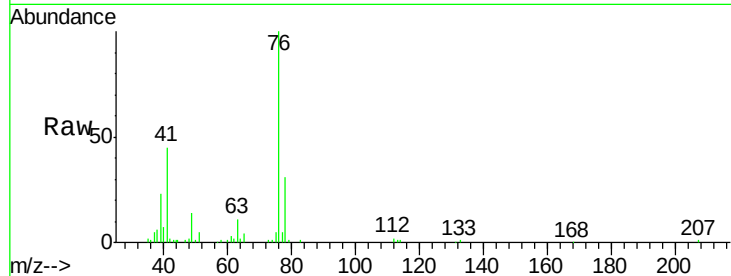
#57
 1,3-Dichloropropane
 Concen: 20.908 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

Tot Ion: 76 Resp: 63423
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.8 40.2

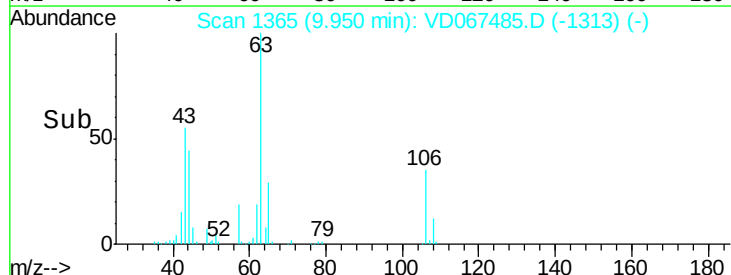
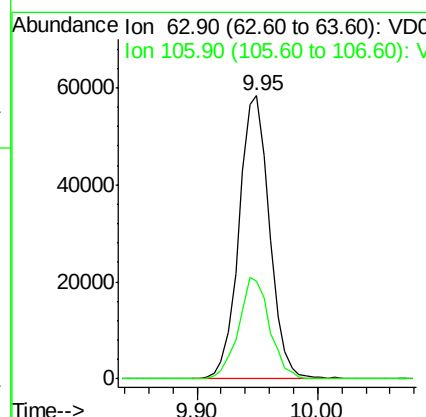
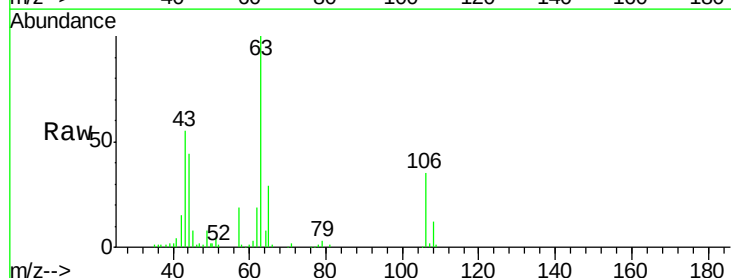
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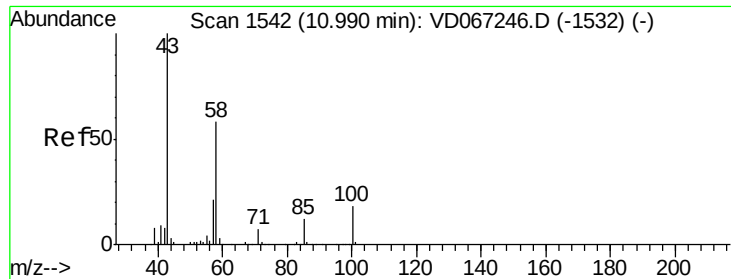
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.653 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Tgt Ion: 63 Resp: 103088
 Ion Ratio Lower Upper
 63 100
 106 36.3 27.8 41.6





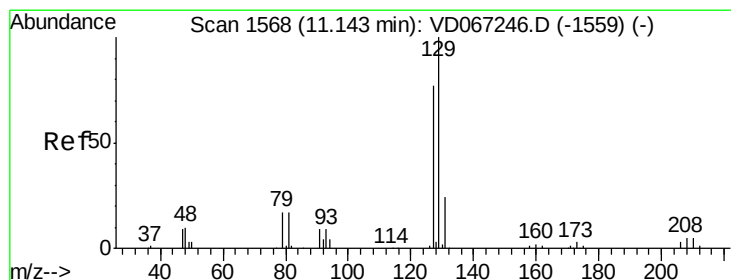
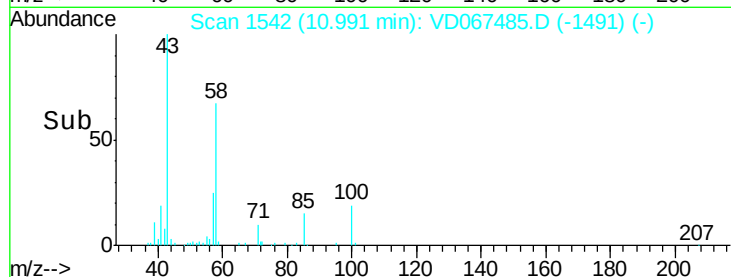
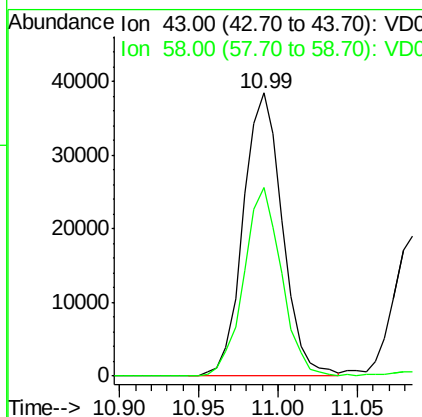
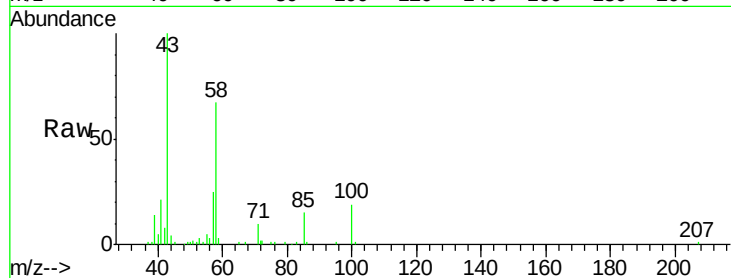
#59
2-Hexanone
Concen: 93.867 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion: 43 Resp: 65904
Ion Ratio Lower Upper
43 100
58 64.0 29.3 87.9

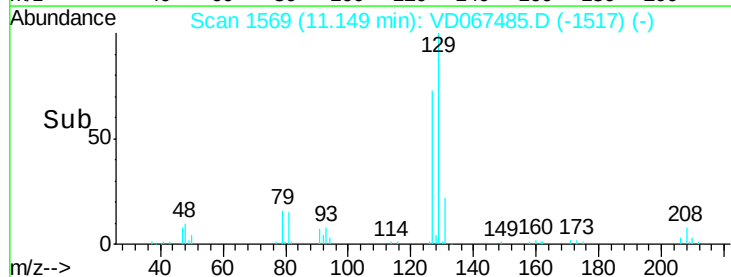
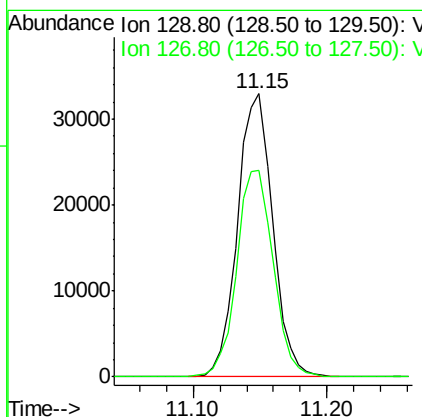
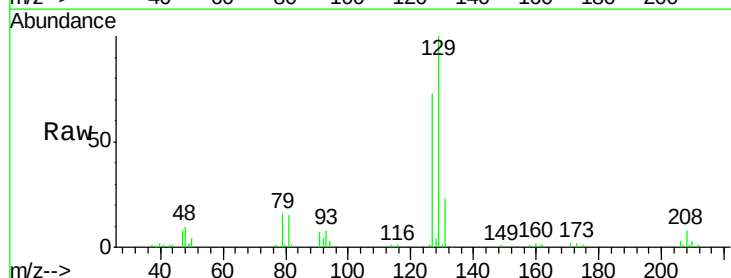
Manual Integrations
APPROVED

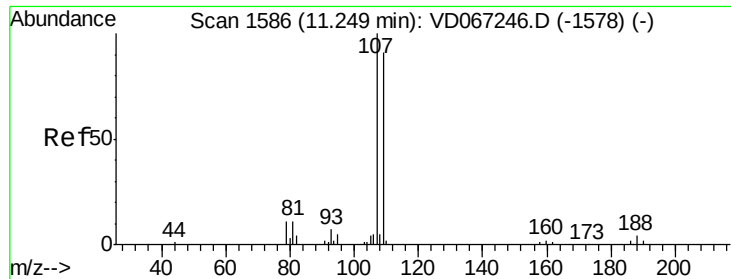
MMDadoda
11/3/2020 2:17:30 PM



#60
Dibromochloromethane
Concen: 21.628 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion: 129 Resp: 60121
Ion Ratio Lower Upper
129 100
127 75.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.744 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion: 107 Resp: 38981

Ion Ratio Lower Upper

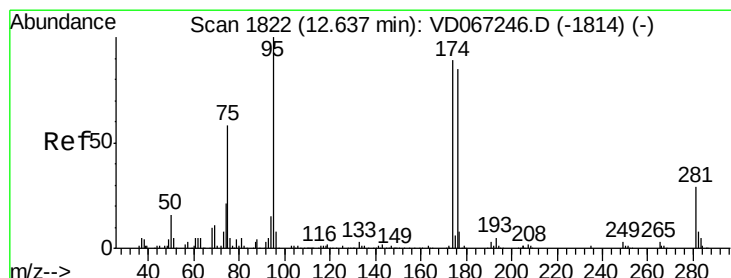
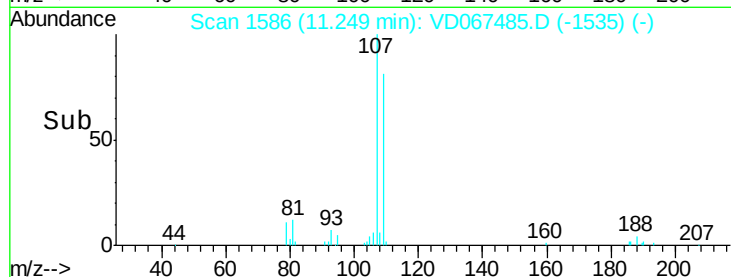
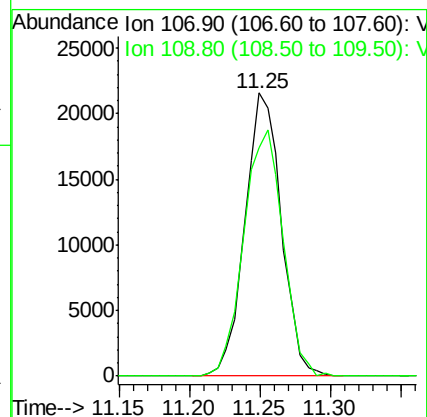
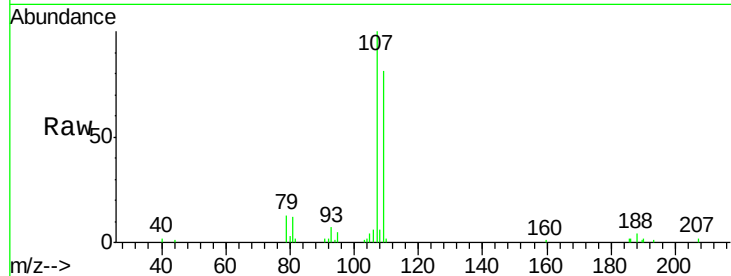
107 100

109 93.9 74.6 112.0

Manual Integrations
APPROVED

MMDadoda

11/3/2020 2:17:30 PM



#62

4-Bromofluorobenzene

Concen: 53.108 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

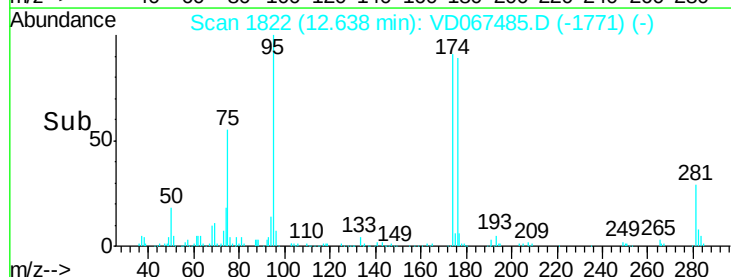
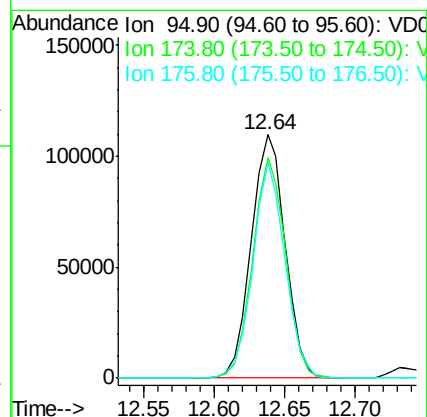
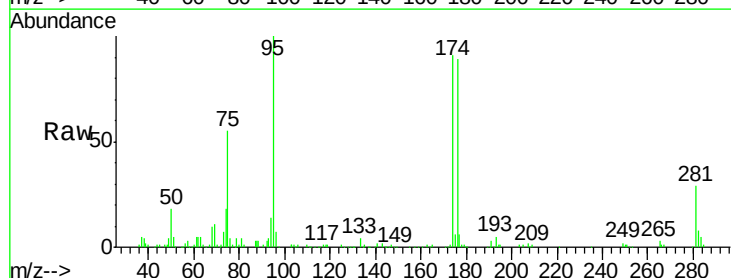
Tgt Ion: 95 Resp: 185160

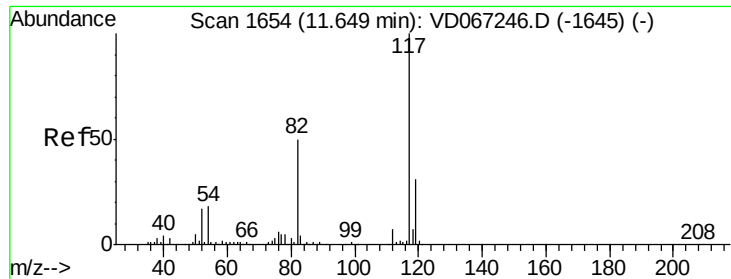
Ion Ratio Lower Upper

95 100

174 87.9 0.0 175.2

176 84.1 0.0 168.6





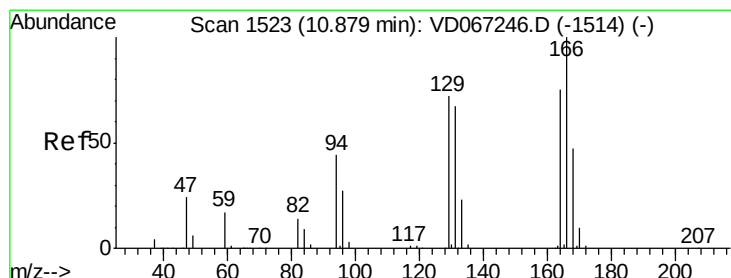
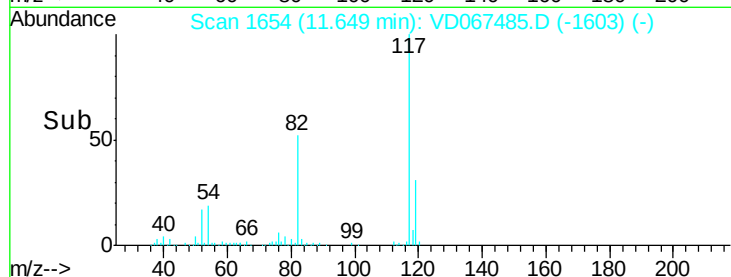
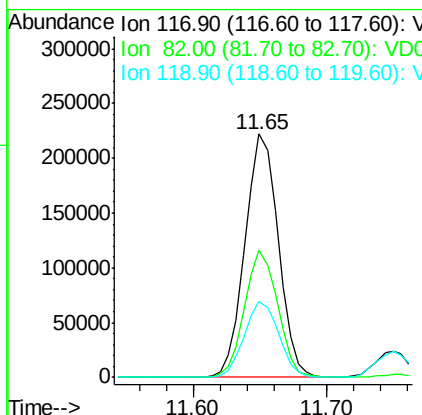
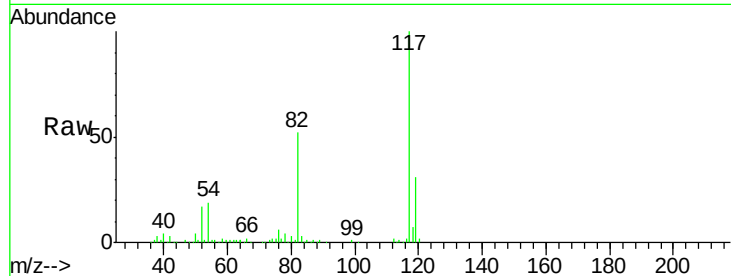
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	383559		
82	52.3		39.9	59.9
119	31.3		24.9	37.3

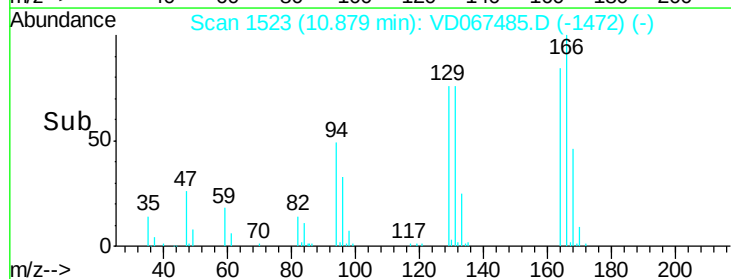
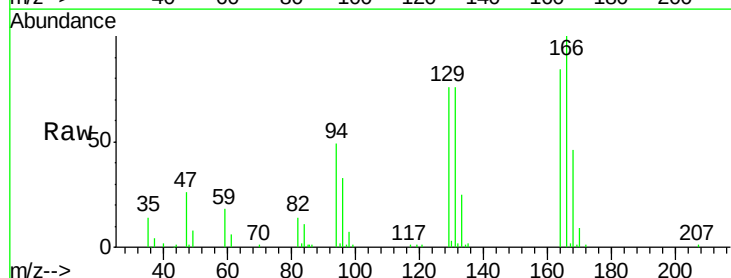
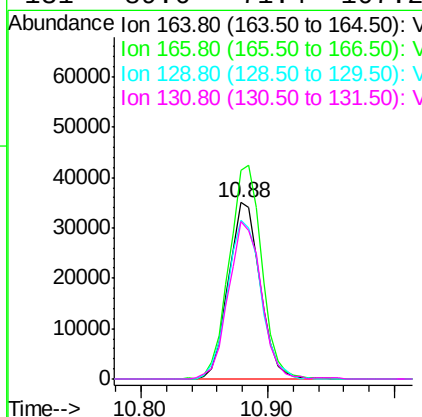
Manual Integrations
APPROVED

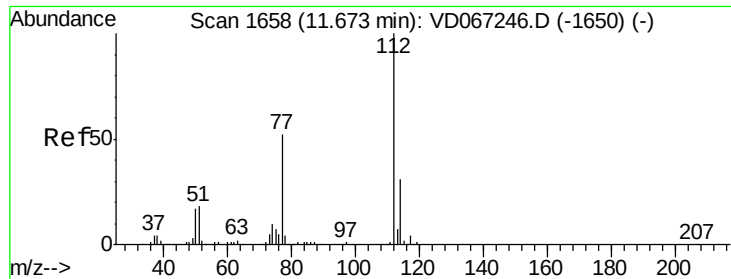
MMDadoda
11/3/2020 2:17:30 PM



#64
Tetrachloroethene
Concen: 21.766 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60489		
166	118.5		107.3	160.9
129	90.0		77.3	115.9
131	89.6		71.4	107.2





#65

Chlorobenzene

Concen: 22.189 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion:112 Resp: 163204

Ion Ratio Lower Upper

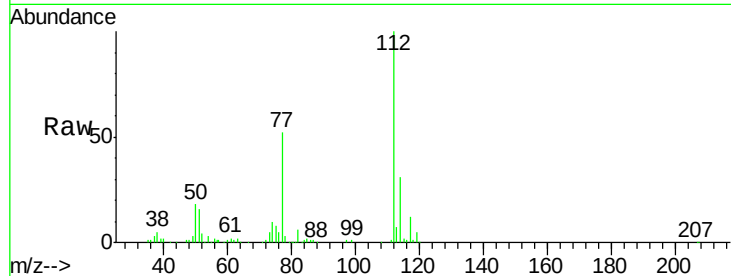
112 100

114 31.1 25.0 37.4

Manual Integrations
APPROVED

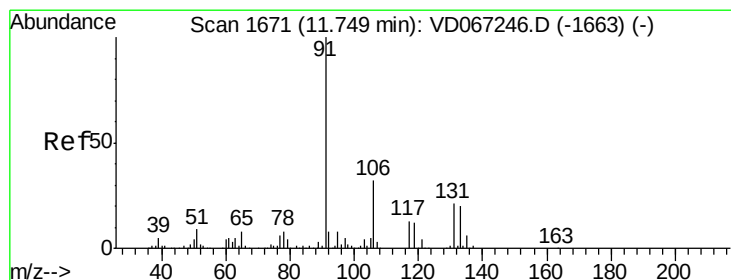
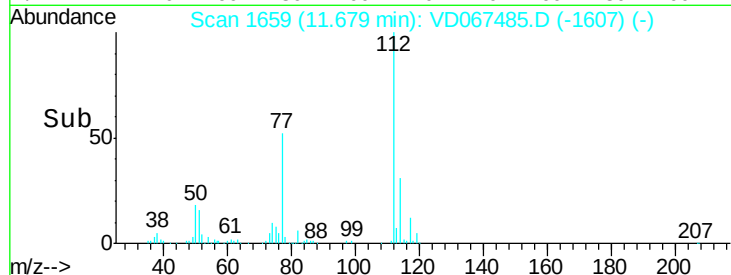
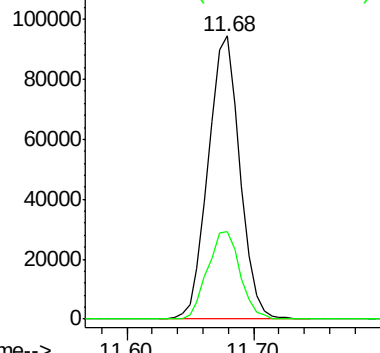
MMDadoda

11/3/2020 2:17:30 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.513 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

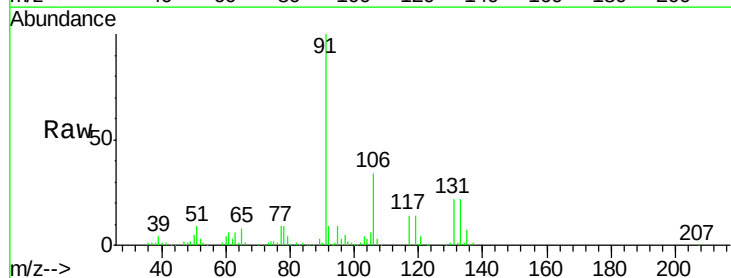
Tgt Ion:131 Resp: 65813

Ion Ratio Lower Upper

131 100

133 96.8 48.1 144.3

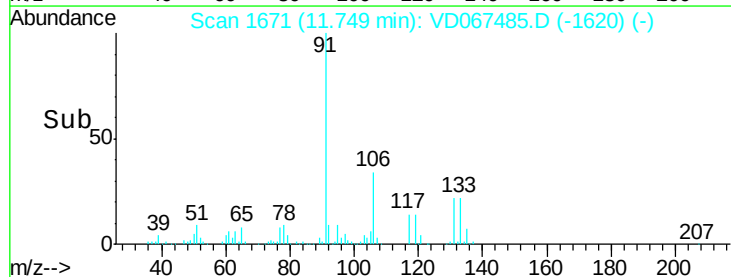
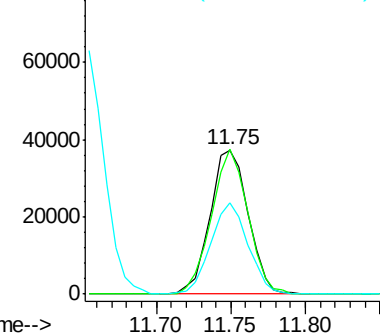
119 62.2 30.0 90.0

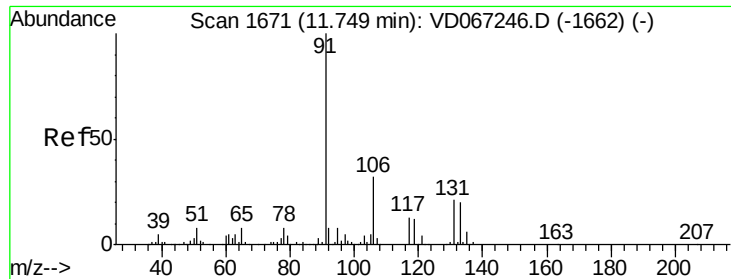


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





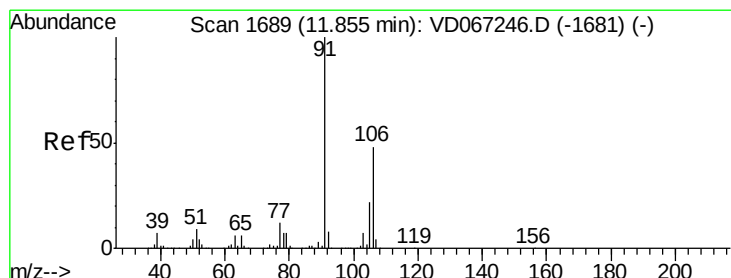
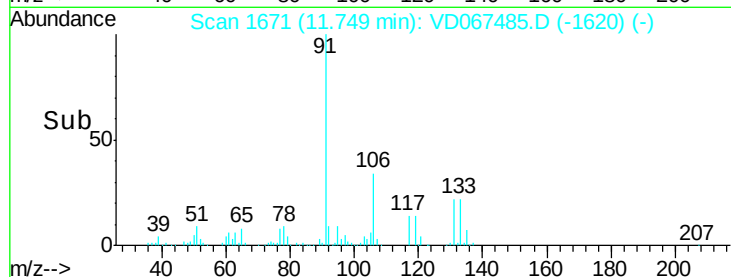
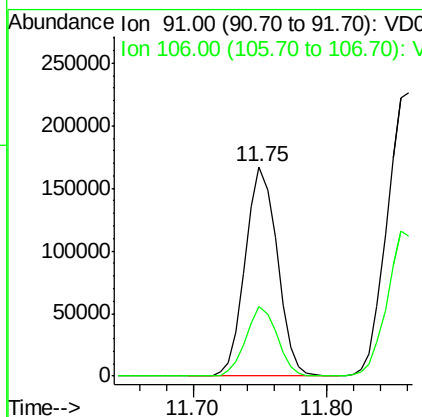
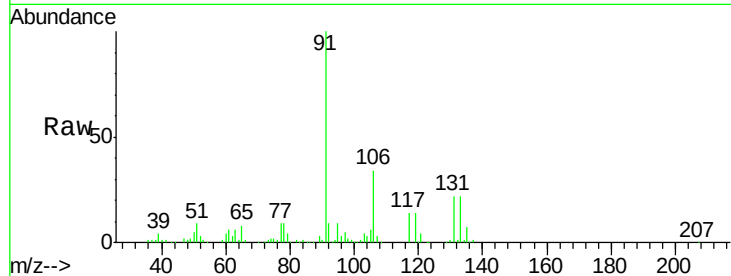
#67
Ethyl Benzene
Concen: 22.042 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.4	38.0

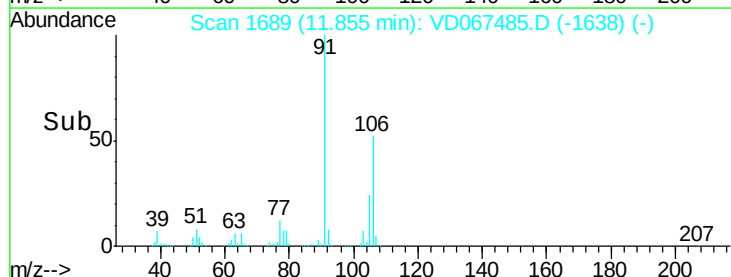
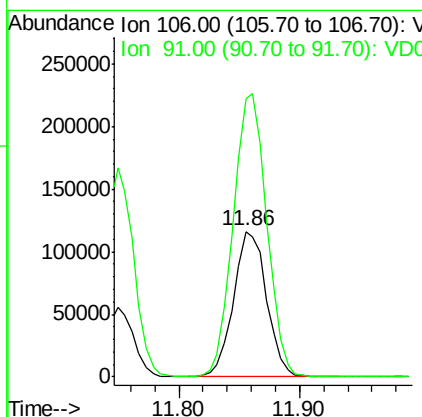
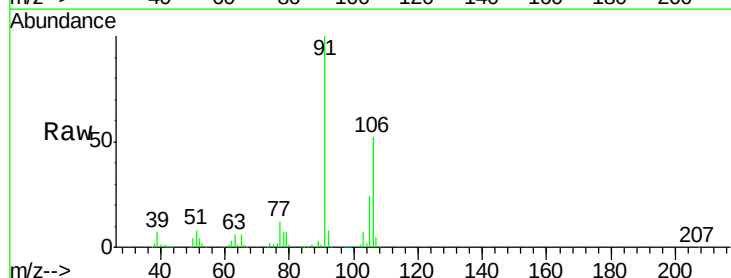
Manual Integrations
APPROVED

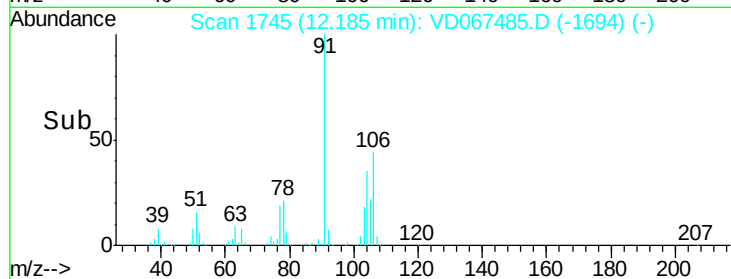
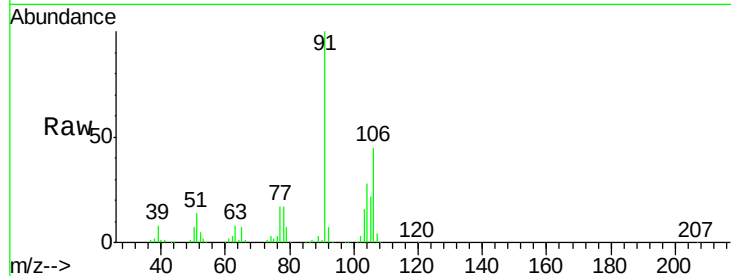
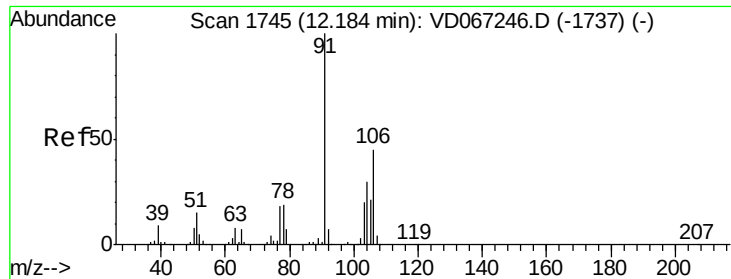
MMDadoda
11/3/2020 2:17:30 PM



#68
m/p-Xylenes
Concen: 45.585 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.4	163.8	245.8





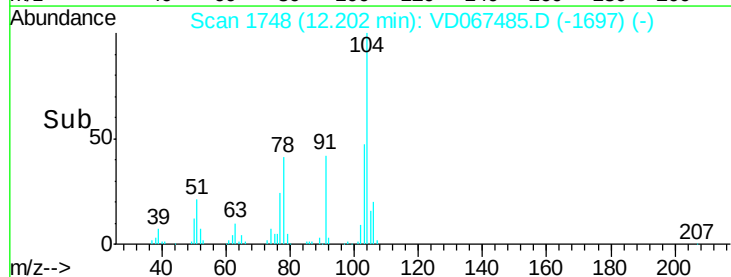
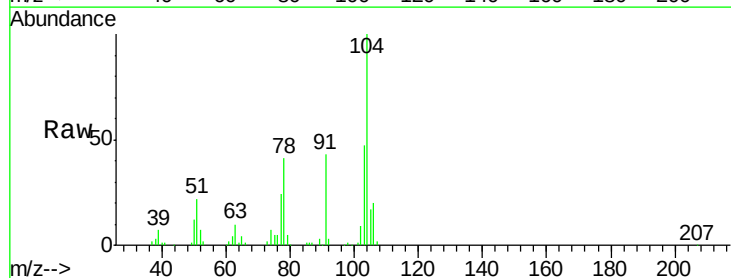
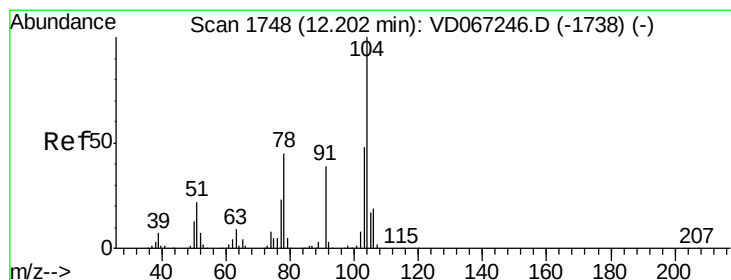
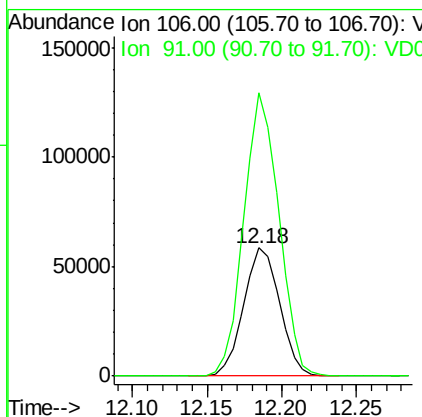
#69
o-Xylene
Concen: 21.804 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tot Ion:106 Resp: 98028
Ion Ratio Lower Upper
106 100
91 214.7 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

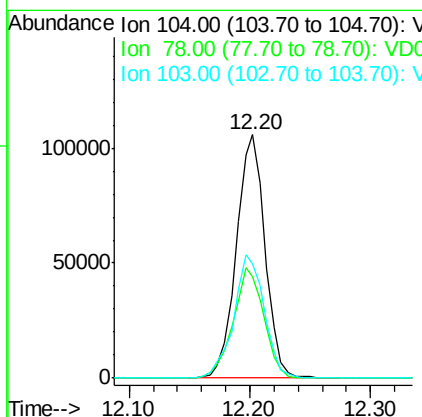
Manual Integrations
APPROVED

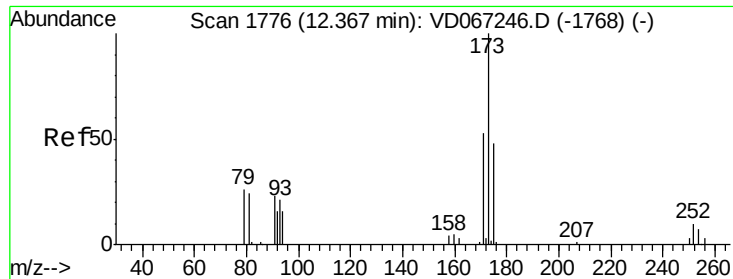
MMDadoda
11/3/2020 2:17:30 PM



#70
Styrene
Concen: 22.584 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion:104 Resp: 174788
Ion Ratio Lower Upper
104 100
78 48.3 39.8 59.6
103 53.8 42.6 64.0





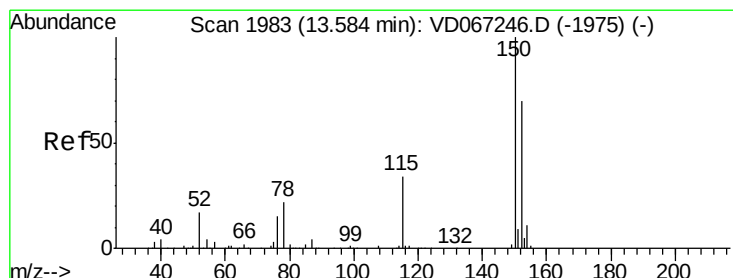
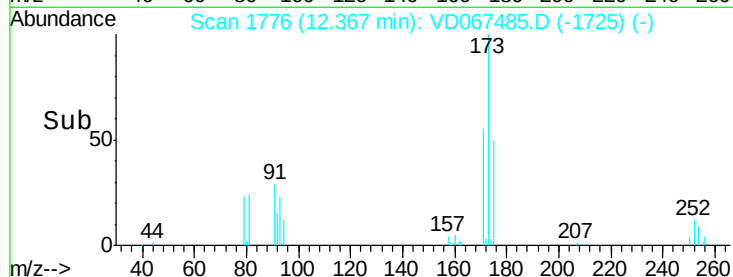
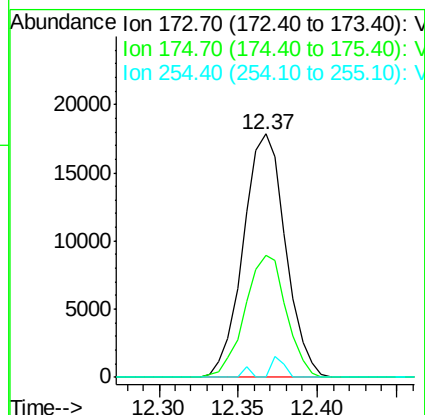
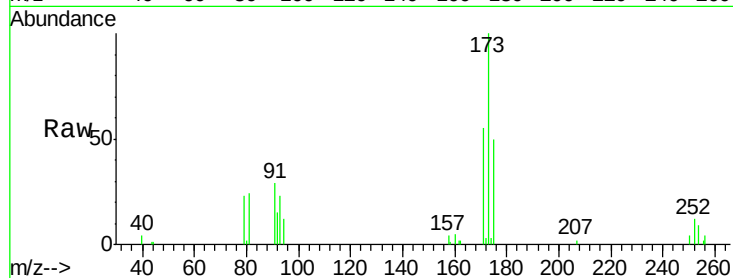
#71
Bromoform
Concen: 21.093 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	2.7	0.1	0.1#

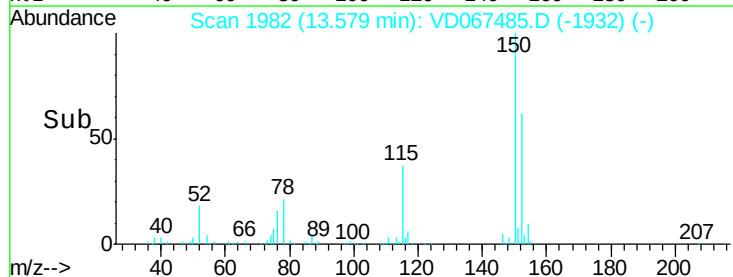
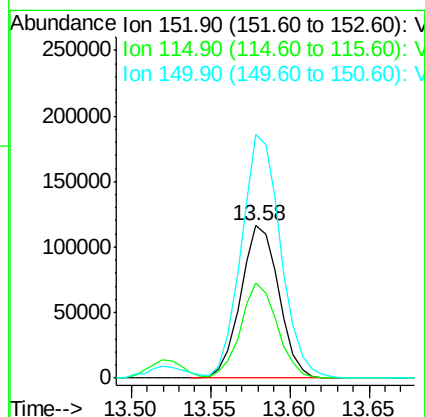
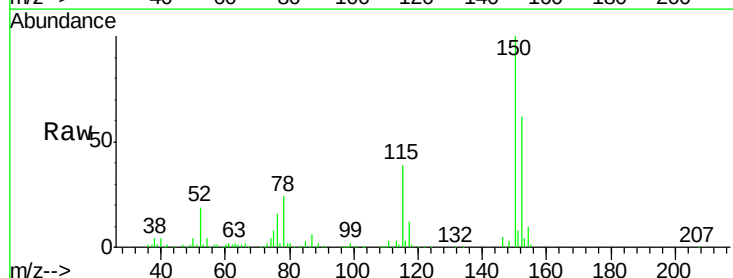
Manual Integrations
APPROVED

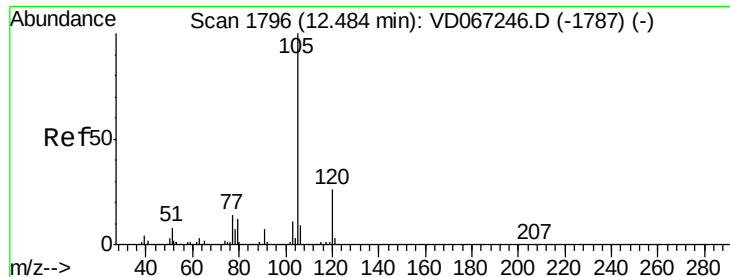
MMDadoda
11/3/2020 2:17:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.3	87.9
150	165.0	0.0	339.0





#73

Isopropylbenzene

Concen: 23.047 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion: 105 Resp: 283711

Ion Ratio Lower Upper

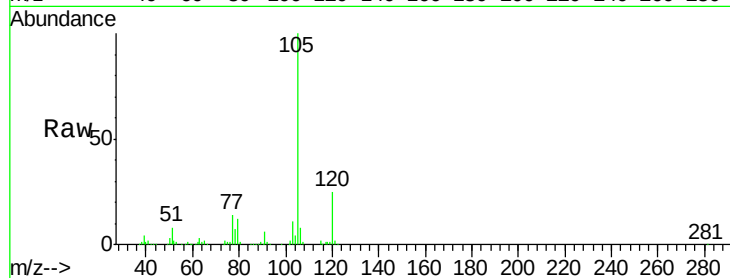
105 100

120 26.3 13.3 39.8

Manual Integrations
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11/3/2020 2:17:30 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

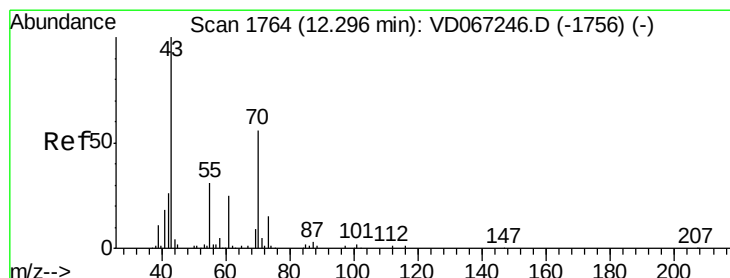
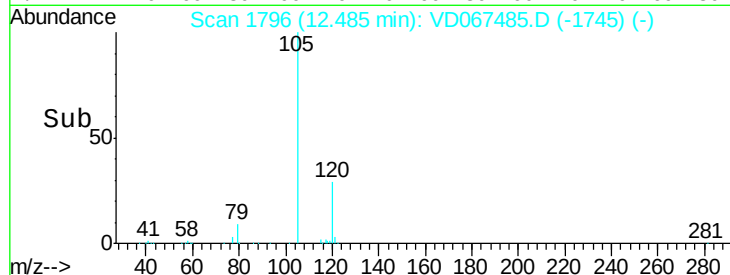
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 19.868 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Tgt Ion: 43 Resp: 36940

Ion Ratio Lower Upper

43 100

70 50.5 42.7 64.1

55 30.3 24.0 36.0

61 27.9 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

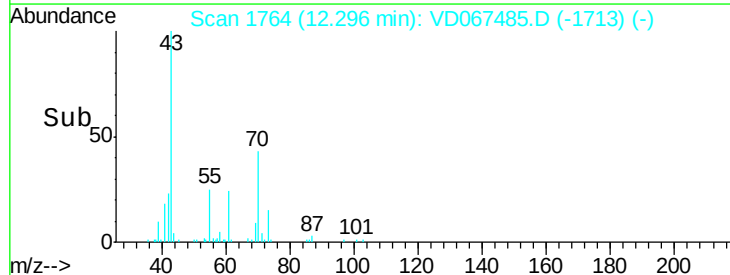
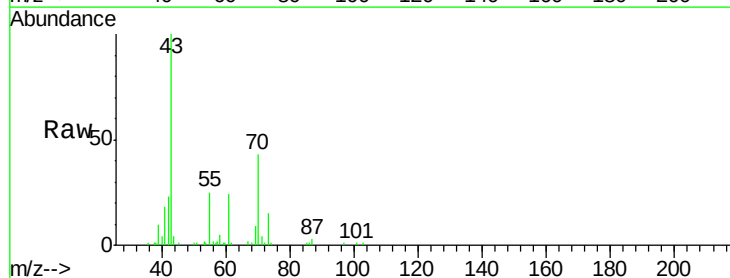
20000

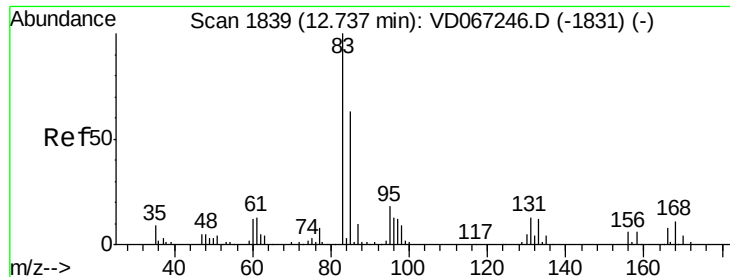
10000

0

12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.093 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

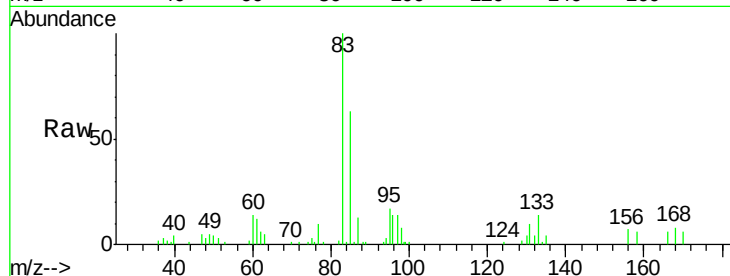
ClientSampleId :

VD1102SBS01

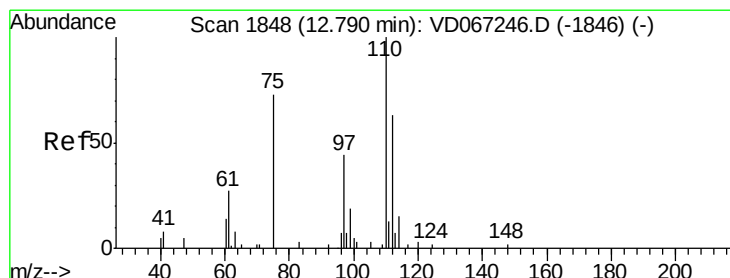
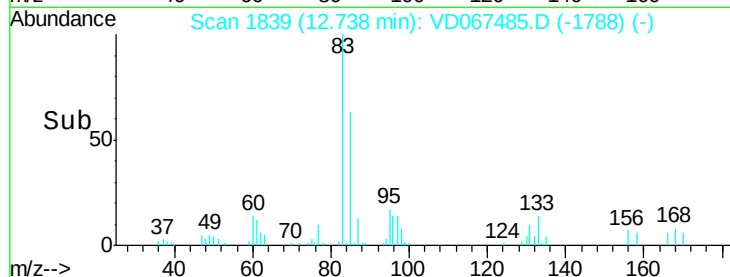
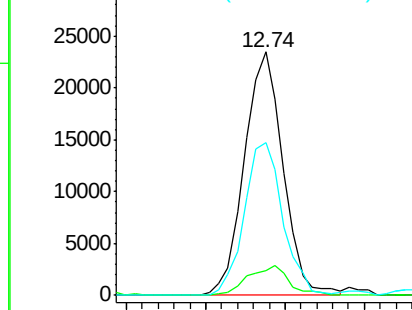
Tot Ion:	83	Resp:	39786
Ion	Ratio	Lower	Upper
83	100		
131	13.0	6.5	19.5
85	62.4	32.6	97.7

Manual Integrations
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11/3/2020 2:17:30 PM



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 22.764 ug/l m

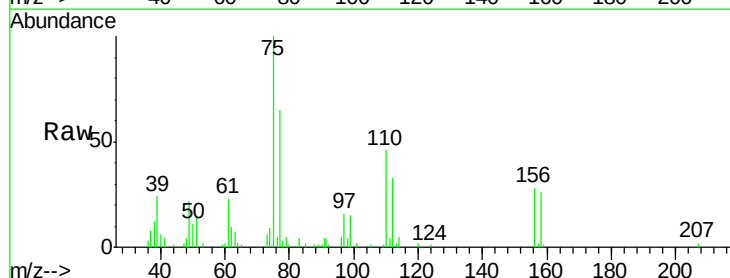
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

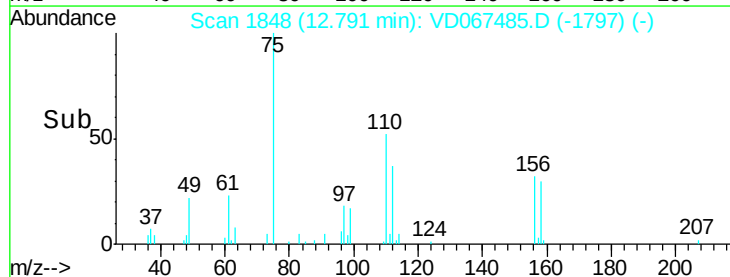
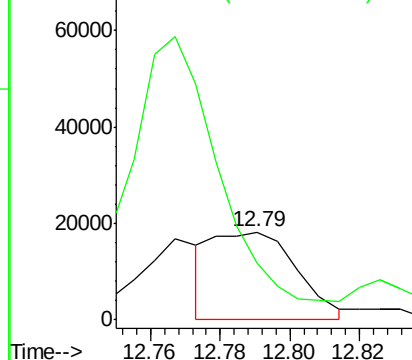
Lab File: VD067485.D

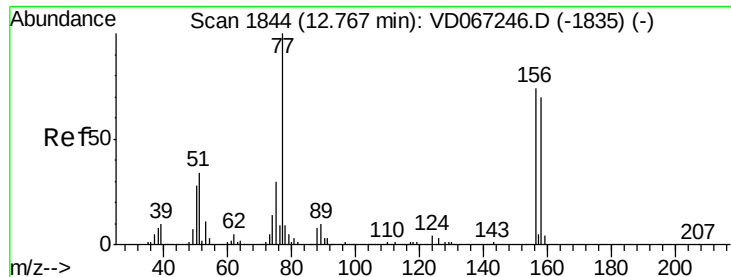
Acq: 02 Nov 2020 12:21

Tgt Ion:	75	Resp:	30603
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.613 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

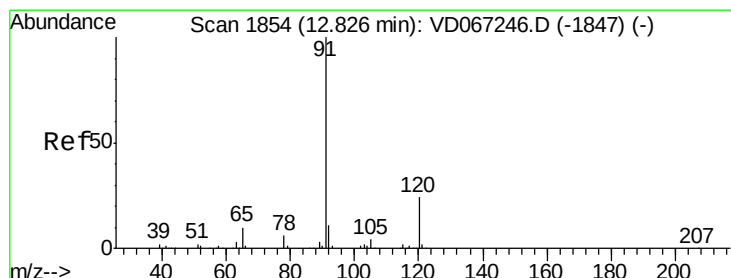
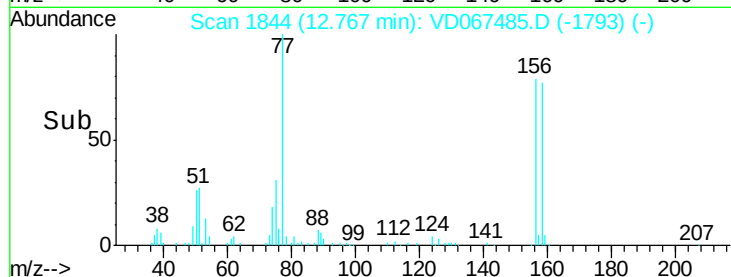
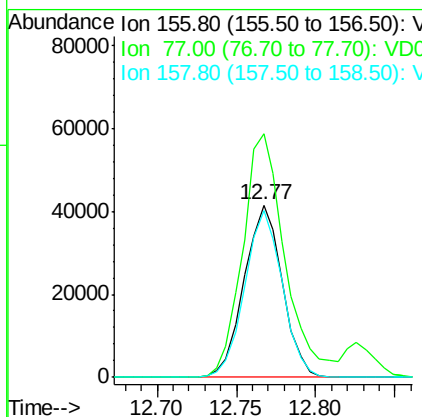
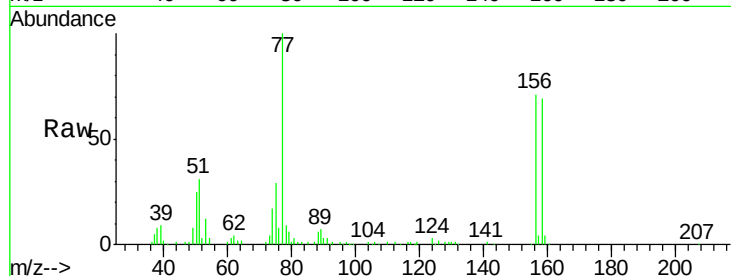
ClientSampleId :

VD1102SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.7	78.0	233.8
158	95.6	49.1	147.3

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#78

n-propylbenzene

Concen: 22.662 ug/l

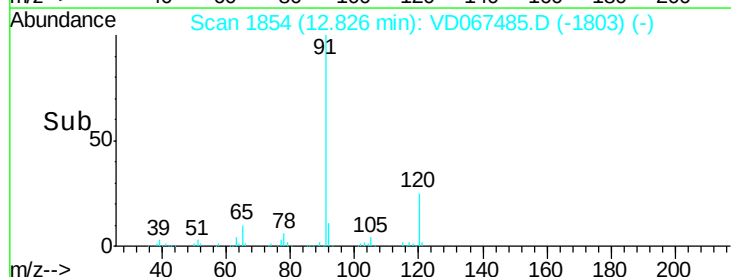
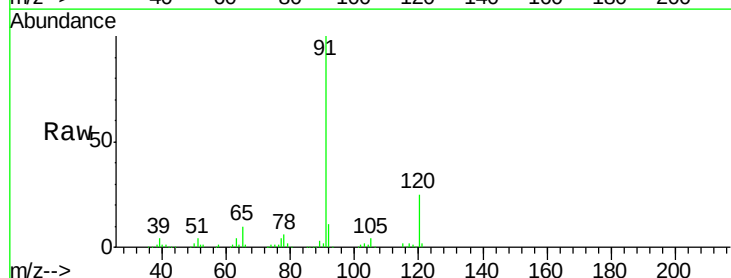
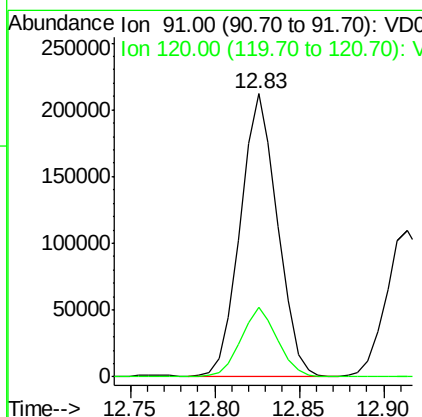
RT: 12.83 min Scan# 1854

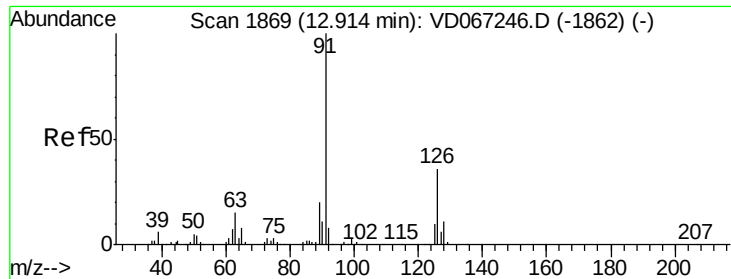
Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.9





#79

2-Chlorotoluene

Concen: 22.205 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion: 91 Resp: 183665

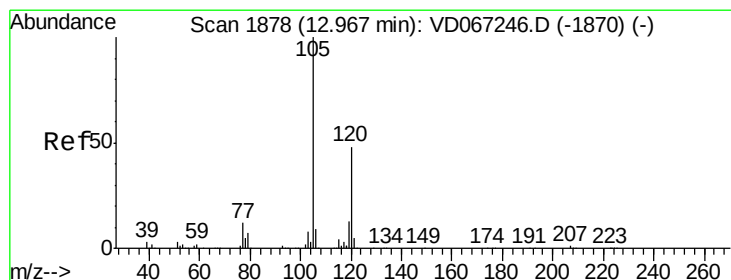
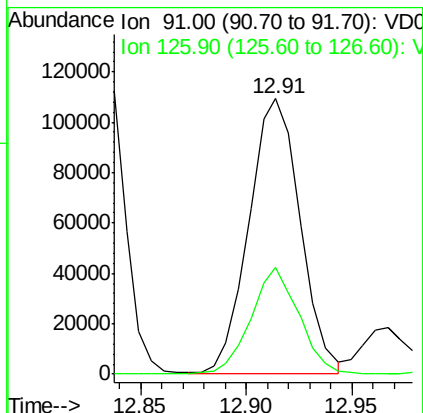
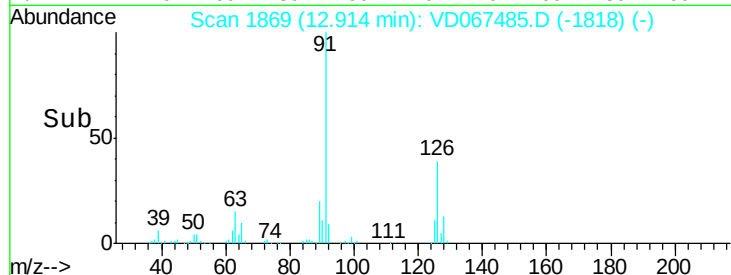
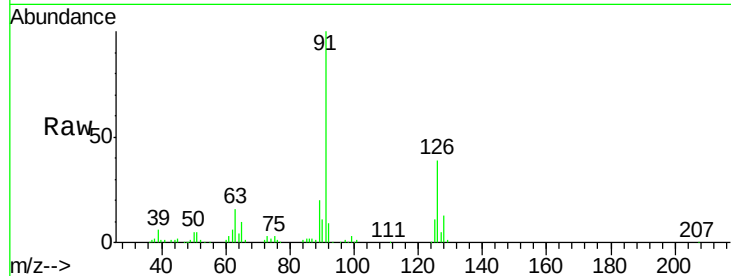
Ion Ratio Lower Upper

91 100

126 36.4 17.6 52.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 22.803 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067485.D

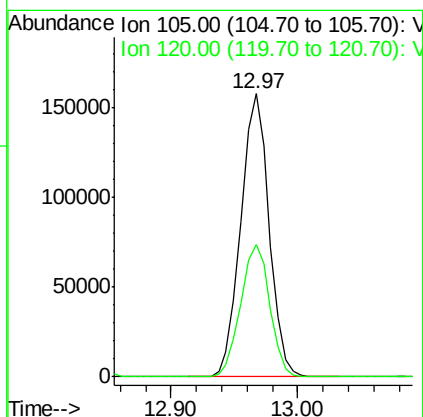
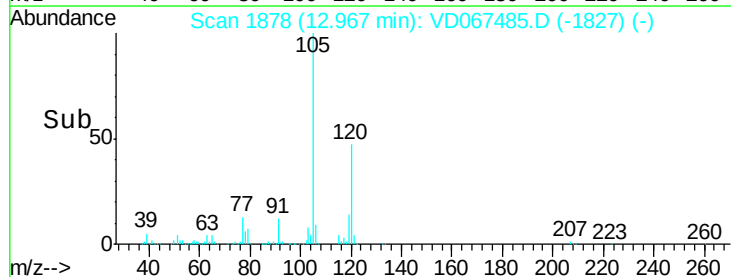
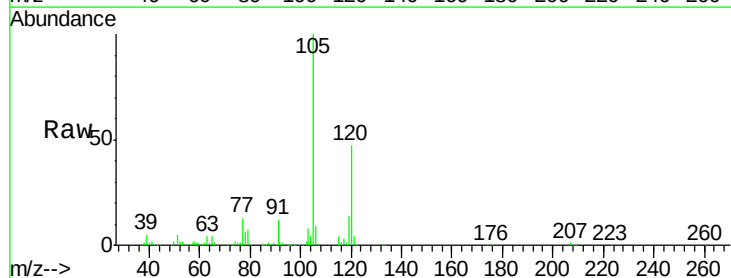
Acq: 02 Nov 2020 12:21

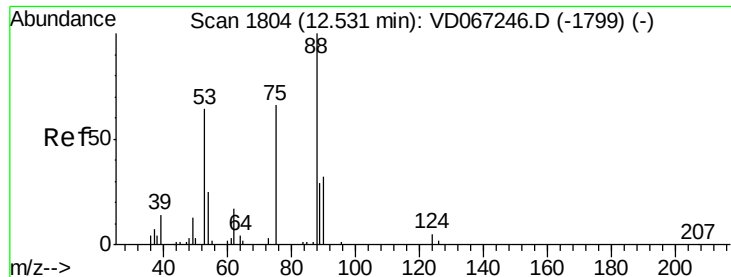
Tgt Ion: 105 Resp: 243930

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





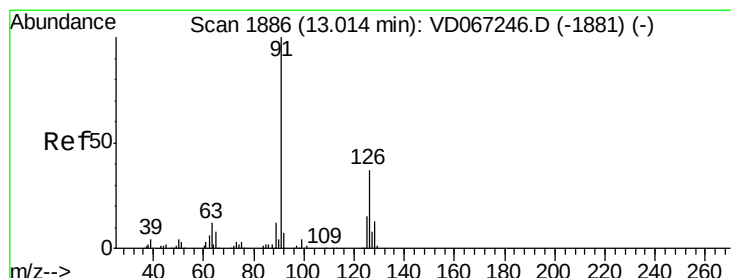
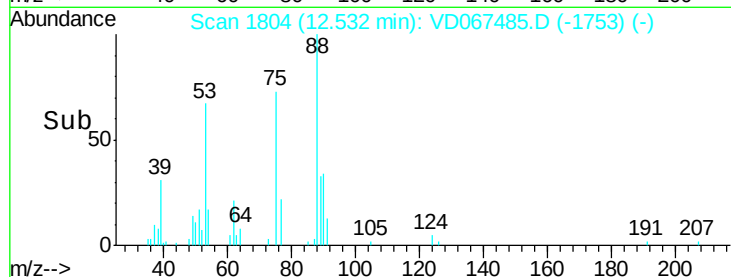
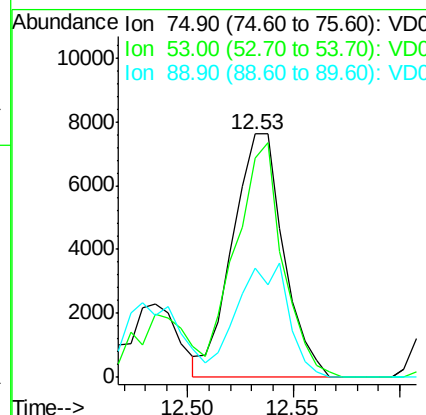
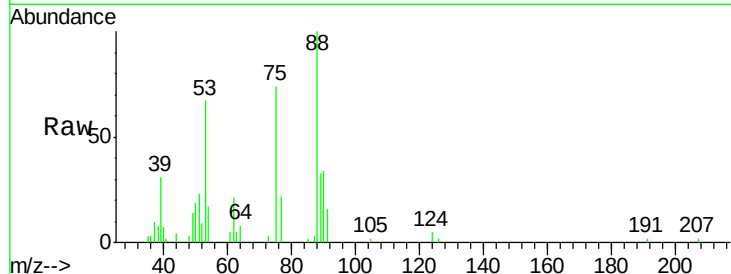
#81
trans-1,4-Dichloro-2-butene
Concen: 21.544 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.2	78.5	117.7
89	47.0	39.9	59.9

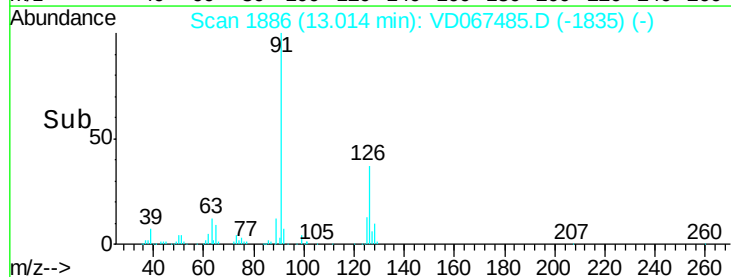
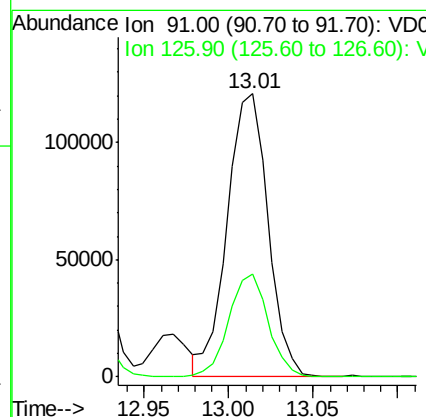
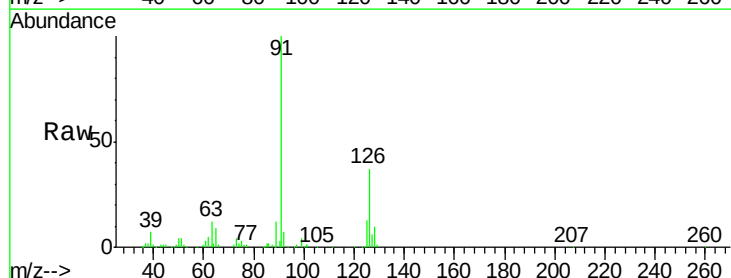
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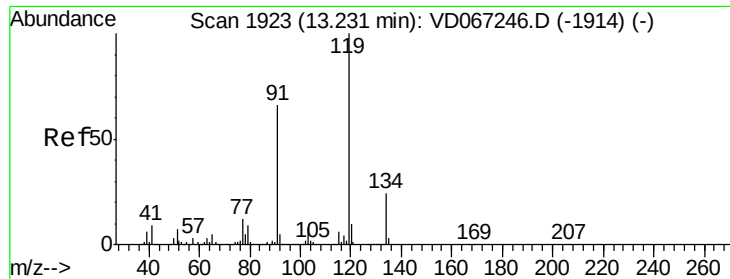
MMDadoda
11/3/2020 2:17:30 PM



#82
4-Chlorotoluene
Concen: 23.036 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.5





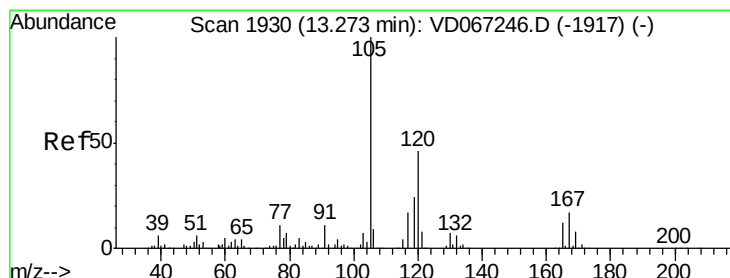
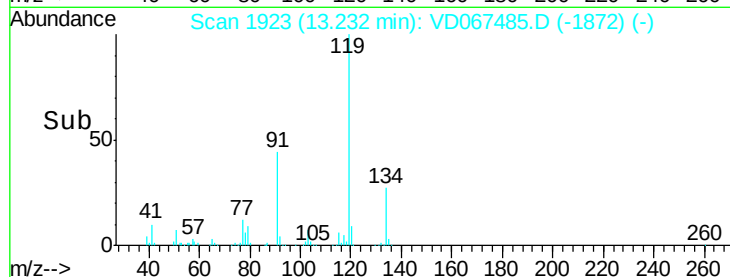
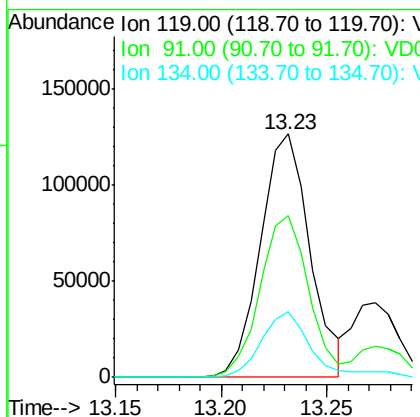
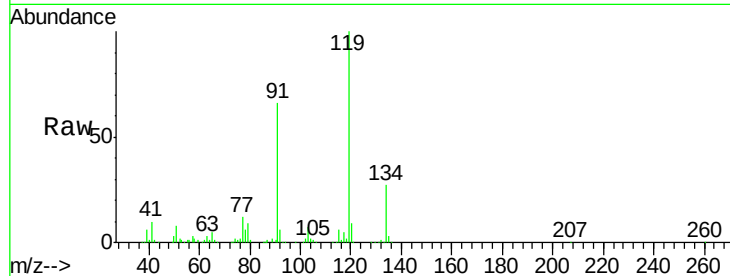
#83
 tert-Butylbenzene
 Concen: 22.920 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.1	99.2
134	27.5	13.3	39.9

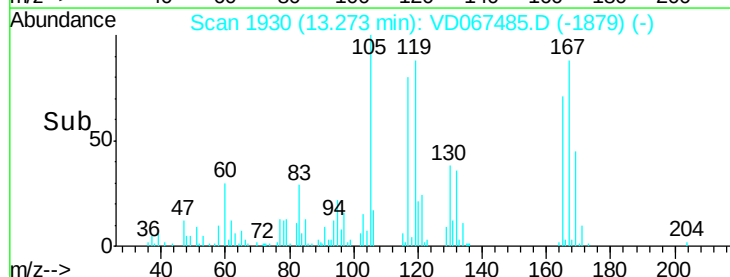
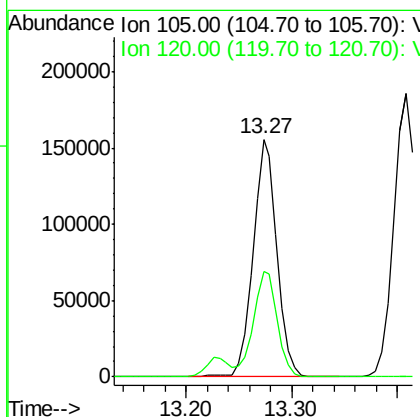
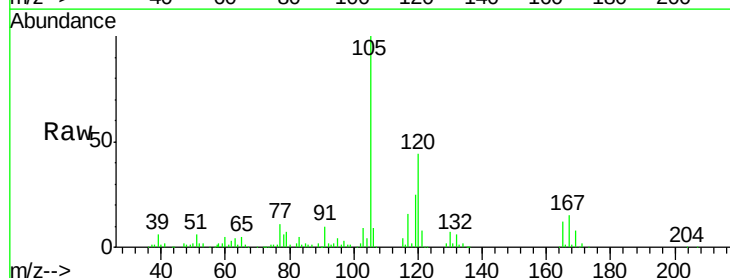
Manual Integrations
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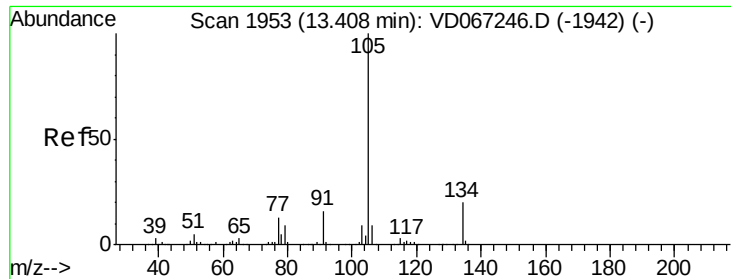
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 11/3/2020 2:17:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 23.044 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 22.911 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBS01

Tot Ion:105 Resp: 284074

Ion Ratio Lower Upper

105 100

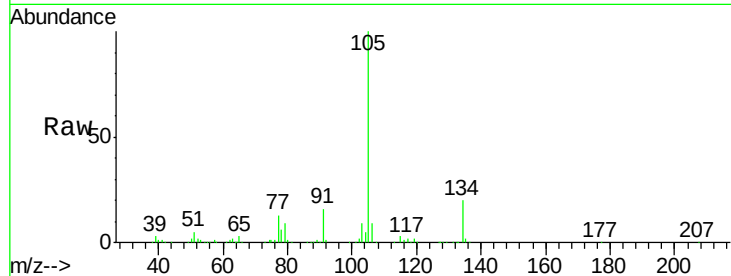
134 21.2 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

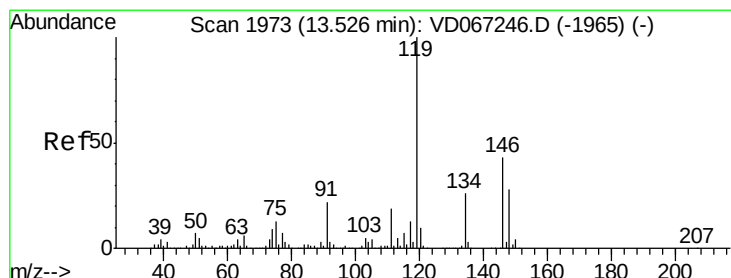
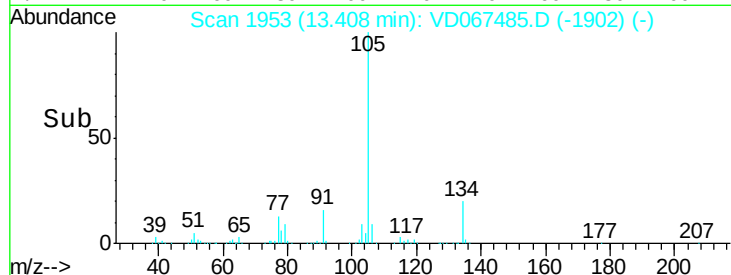
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 23.080 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067485.D

Acq: 02 Nov 2020 12:21

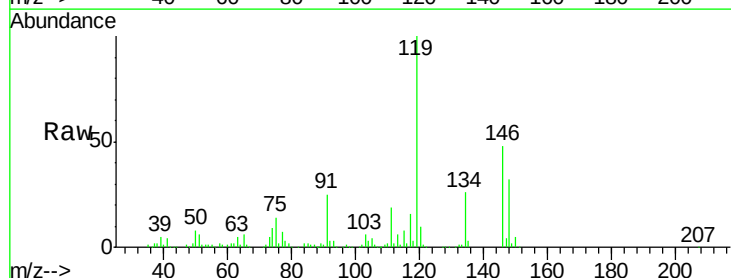
Tgt Ion:119 Resp: 270110

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 24.6 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

200000

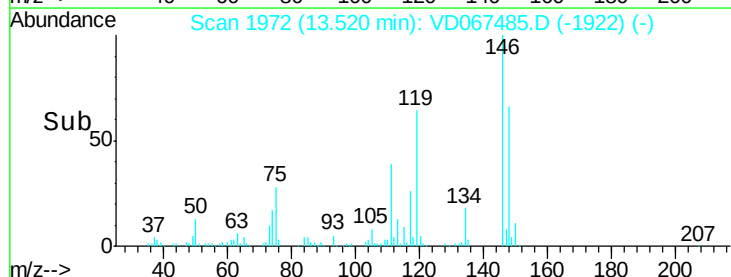
150000

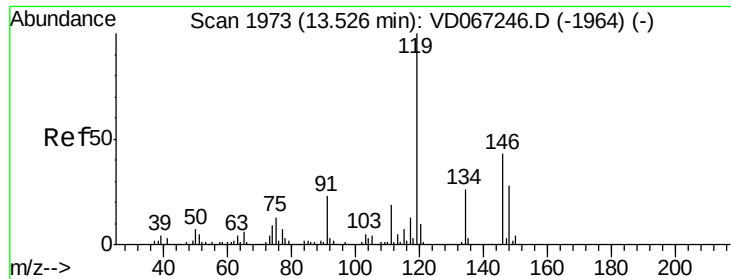
100000

50000

0

Time--> 13.45 13.50 13.55 13.60





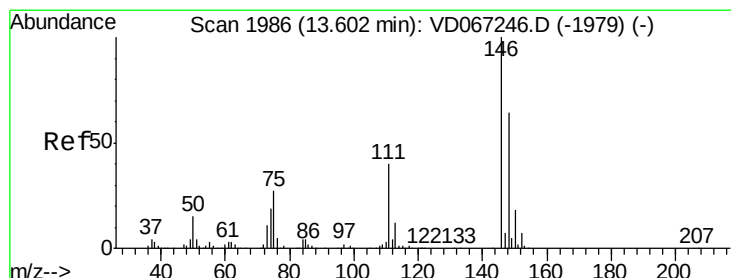
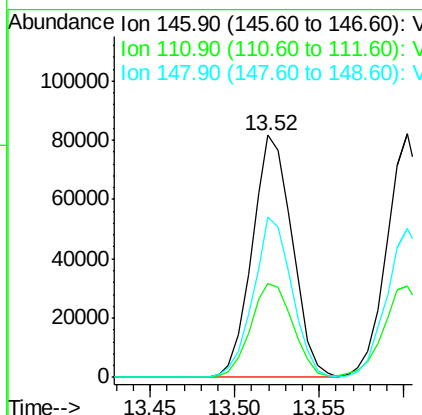
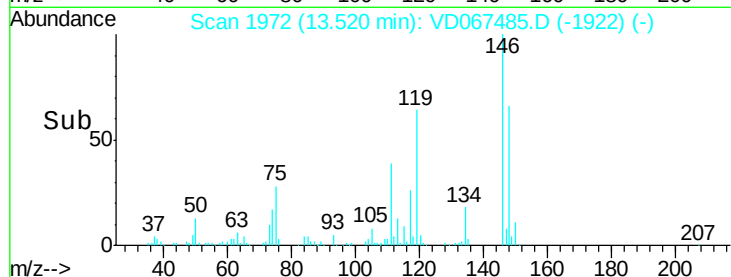
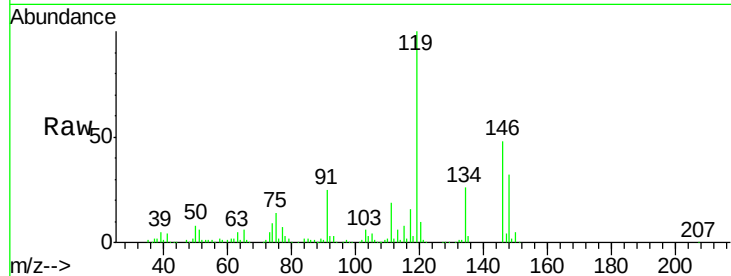
#87
 1,3-Dichlorobenzene
 Concen: 22.763 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	134465		
111	41.1	21.1	63.3	
148	63.9	31.9	95.9	

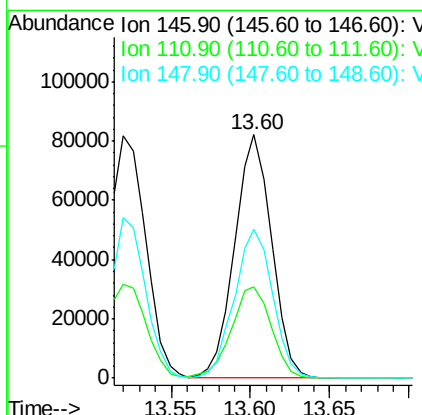
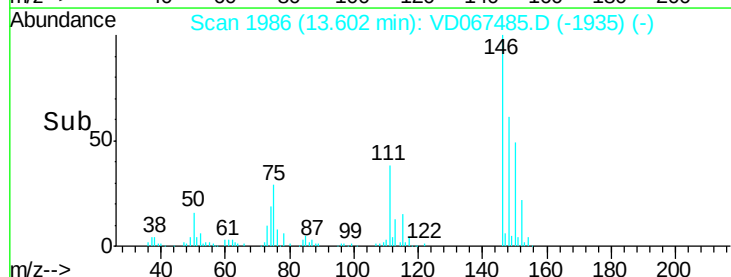
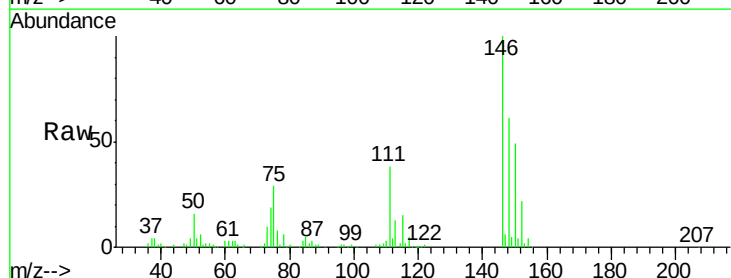
Manual Integrations
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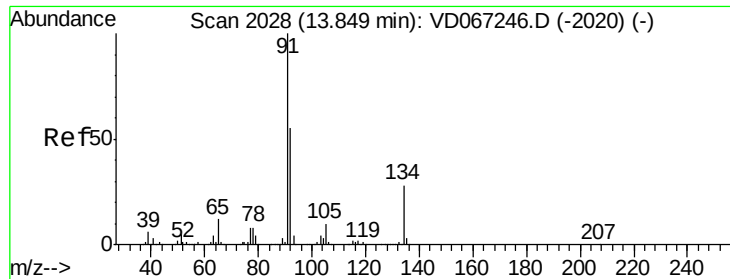
MMDadoda
 11/3/2020 2:17:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.745 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	133118		
111	40.5	19.9	59.7	
148	63.6	31.9	95.9	





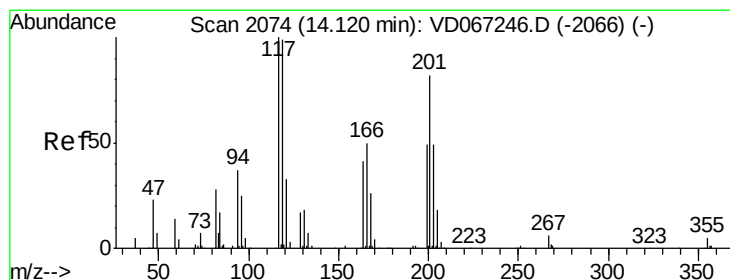
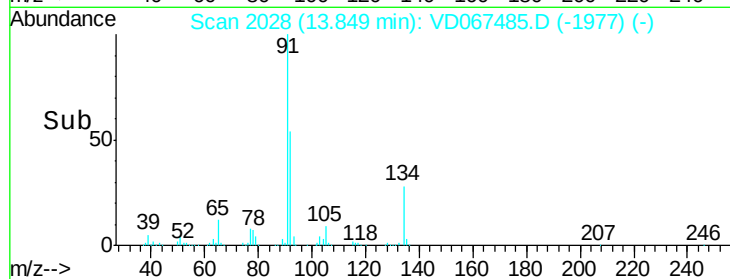
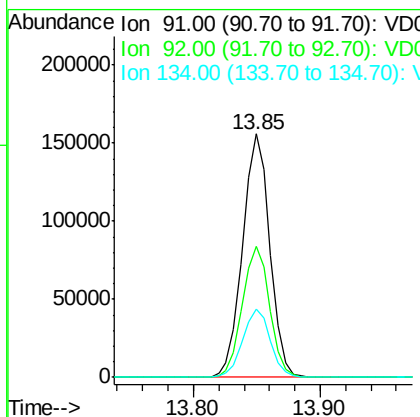
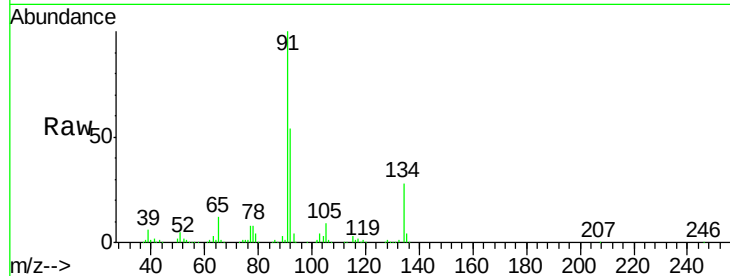
#89
n-Butylbenzene
Concen: 22.525 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	28.3	14.2	42.6

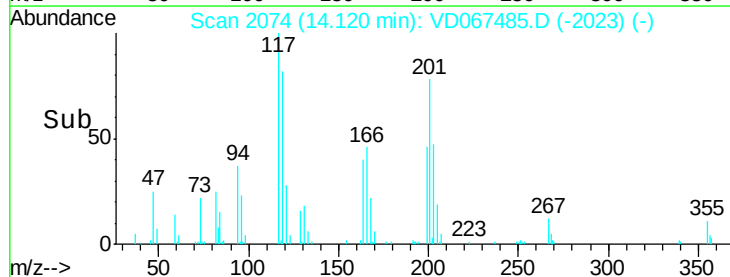
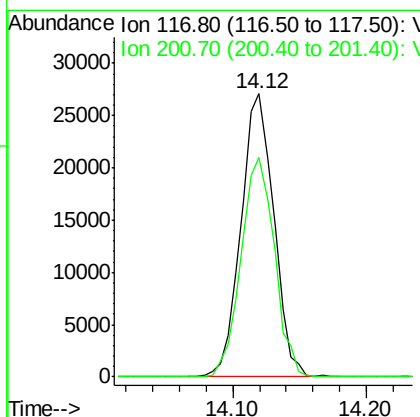
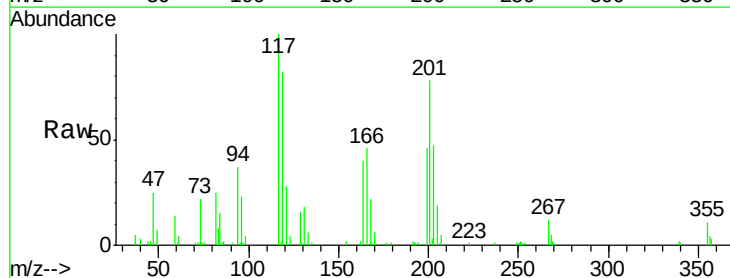
Manual Integrations
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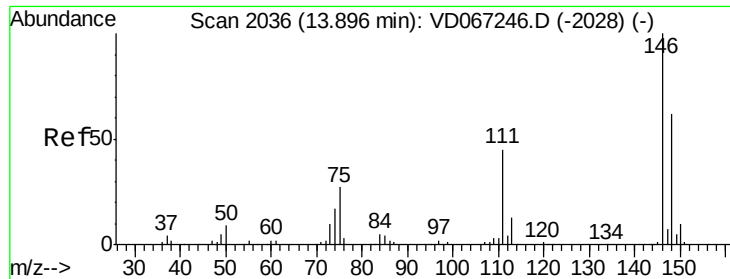
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#90
Hexachloroethane
Concen: 22.520 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	40.8	122.2





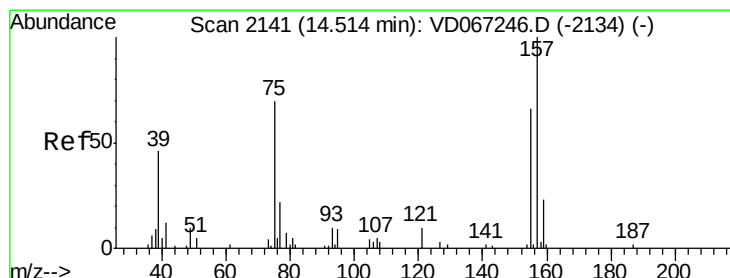
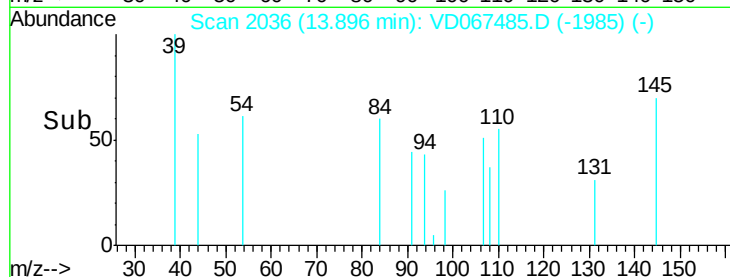
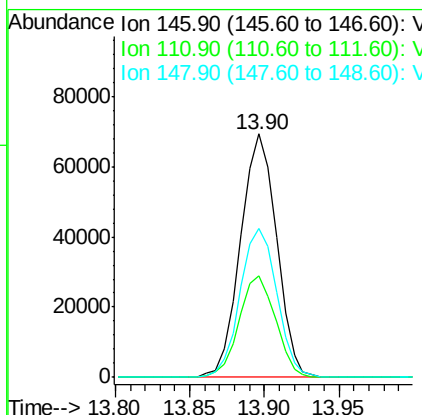
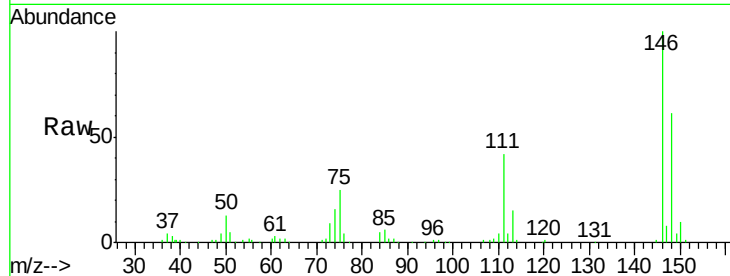
#91
 1,2-Dichlorobenzene
 Concen: 22.508 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.0	66.0
148	62.5	32.5	97.5

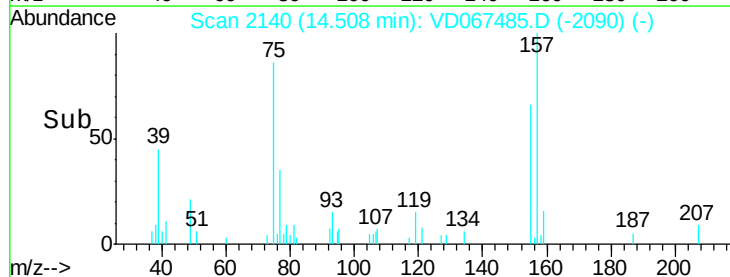
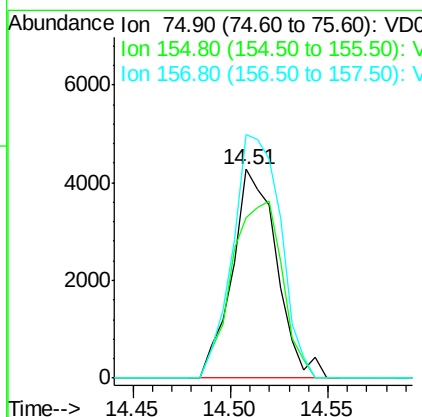
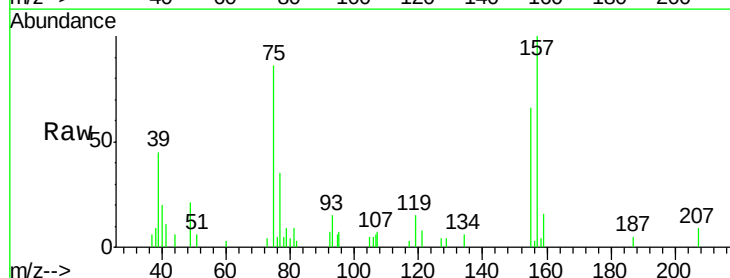
Manual Integrations
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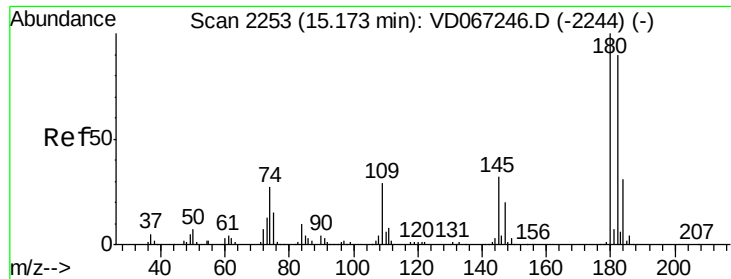
MMDadoda
 11/3/2020 2:17:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.684 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067485.D
 Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	44.8	134.4
157	125.5	62.5	187.4





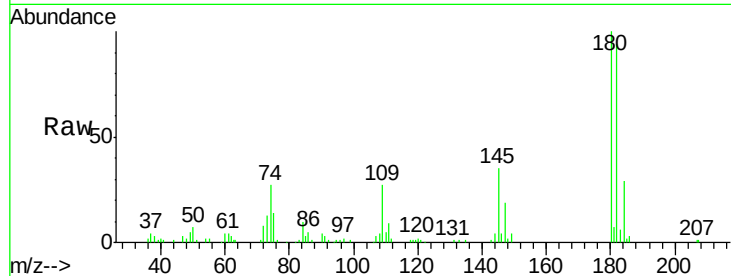
#93
1,2,4-Trichlorobenzene
Concen: 22.207 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

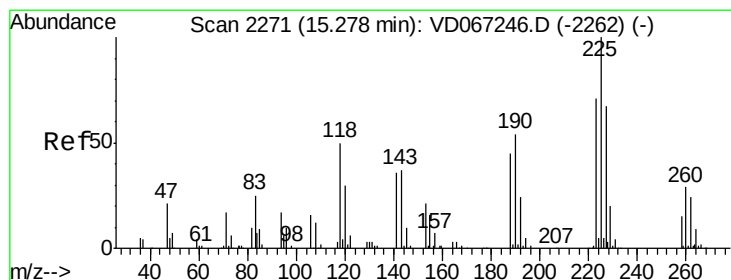
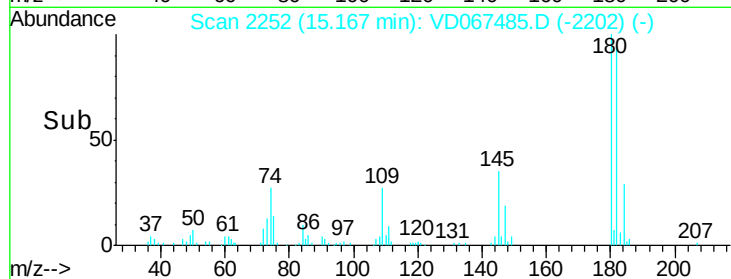
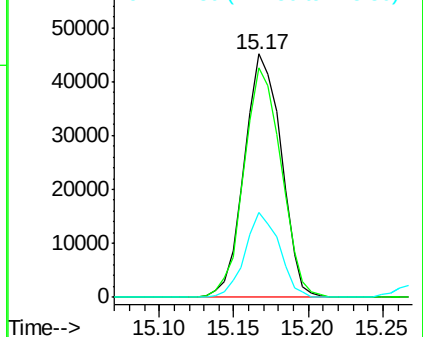
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.1	144.4
145	32.5	16.3	48.9

Manual Integrations
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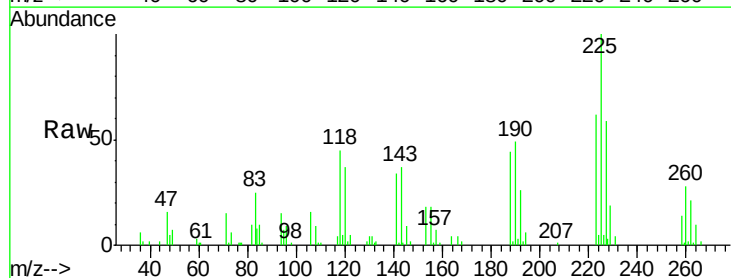


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

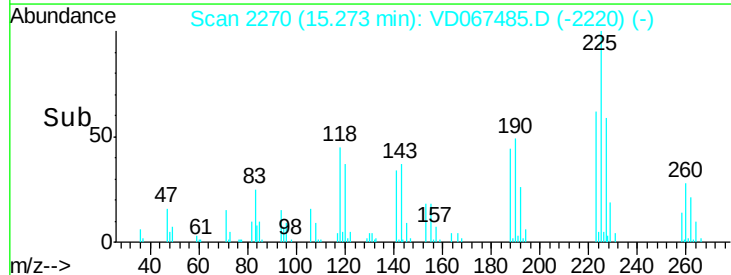
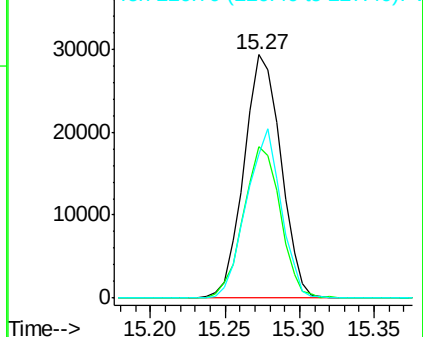


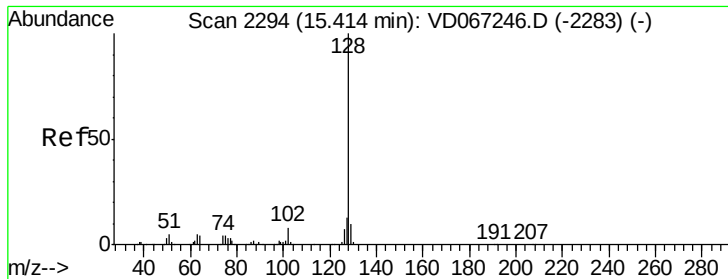
#94
Hexachlorobutadiene
Concen: 23.307 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.7
227	65.0	31.2	93.6



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





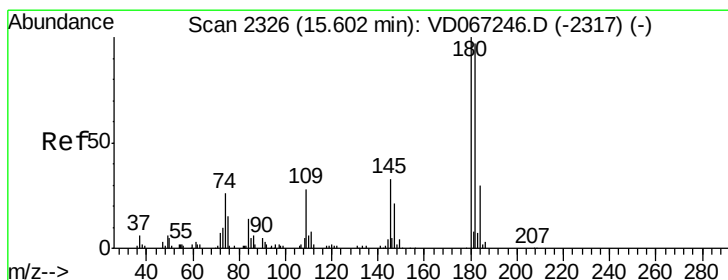
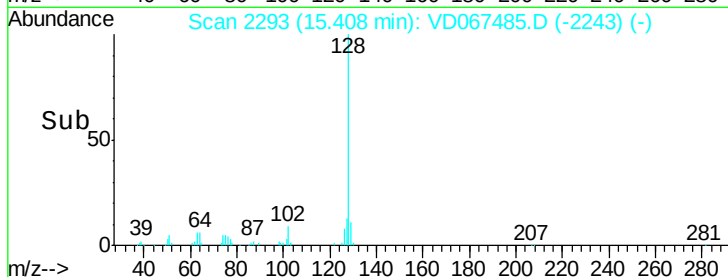
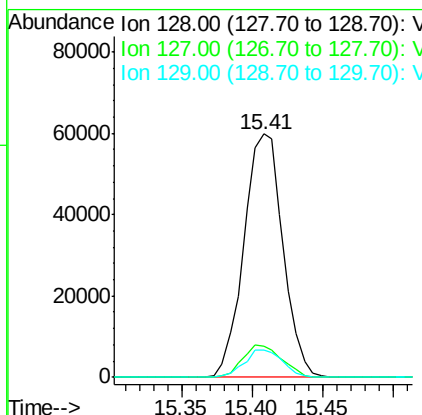
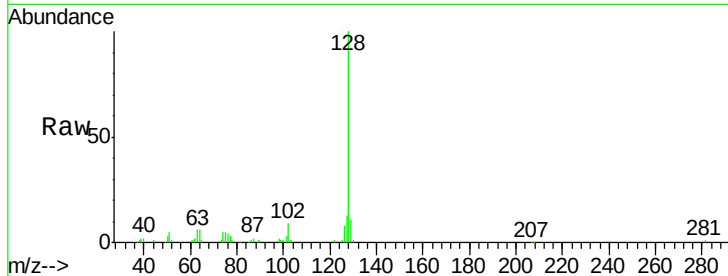
#95
Naphthalene
Concen: 20.342 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1102SBS01

Tot Ion:	128	Resp:	116201
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.291 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067485.D
Acq: 02 Nov 2020 12:21

Tgt Ion:	180	Resp:	63997
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.1	144.3
145	34.4	17.3	51.9

