

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067245.D
 Acq On : 13 Oct 2020 11:22
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:09 PM

Quant Time: Oct 13 12:42:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	334031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	503952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	474717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	68093	19.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.68%	
35) Dibromofluoromethane	7.91	113	66095	19.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.40%	
50) Toluene-d8	10.34	98	241572	19.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.48%	
62) 4-Bromofluorobenzene	12.64	95	85649	20.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	67461	20.577	ug/l	93
3) Chloromethane	2.21	50	44199	20.103	ug/l	94
4) Vinyl Chloride	2.35	62	47899	19.709	ug/l	97
5) Bromomethane	2.76	94	36125	18.967	ug/l	92
6) Chloroethane	2.92	64	30685	20.174	ug/l	99
7) Trichlorofluoromethane	3.27	101	121717	19.930	ug/l	91
8) Diethyl Ether	3.70	74	26793	19.688	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	63732	19.649	ug/l	97
10) Methyl Iodide	4.30	142	54591	20.371	ug/l	98
11) Tert butyl alcohol	5.21	59	25556	88.915	ug/l	100
12) 1,1-Dichloroethene	4.06	96	56922	19.955	ug/l	93
13) Acrolein	3.92	56	13571	87.875	ug/l	91
14) Allyl chloride	4.71	41	63990	20.107	ug/l	98
15) Acrylonitrile	5.43	53	45738	101.888	ug/l	98
16) Acetone	4.16	43	48139	99.717	ug/l	92
17) Carbon Disulfide	4.41	76	160746	19.734	ug/l	100
18) Methyl Acetate	4.72	43	22127	19.960	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	114766	20.878	ug/l #	89
20) Methylene Chloride	4.96	84	72432	18.641	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	62481	19.148	ug/l	95
22) Diisopropyl ether	6.36	45	128593	21.916	ug/l	97
23) Vinyl Acetate	6.31	43	347102	109.021	ug/l	95
24) 1,1-Dichloroethane	6.27	63	102645	20.079	ug/l	96
25) 2-Butanone	7.22	43	55670	102.646	ug/l	90
26) 2,2-Dichloropropane	7.21	77	103287	19.354	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	72835	20.331	ug/l	100
28) Bromochloromethane	7.55	49	32723	19.187	ug/l #	97
29) Tetrahydrofuran	7.57	42	31692	106.031	ug/l	96
30) Chloroform	7.71	83	122587	19.995	ug/l #	83
31) Cyclohexane	7.98	56	80871	19.697	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	120856	20.084	ug/l	98
36) 1,1-Dichloropropene	8.11	75	89836	20.377	ug/l	100
37) Ethyl Acetate	7.30	43	27285	21.348	ug/l #	93
38) Carbon Tetrachloride	8.10	117	113901	20.153	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	86727	19.186	ug/l	98
40) Benzene	8.35	78	242555	19.967	ug/l	96
41) Methacrylonitrile	7.53	41	14505	26.598	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	78014	20.555	ug/l	100
43) Isopropyl Acetate	8.46	43	52905	21.124	ug/l	97
44) Trichloroethene	9.11	130	79732	20.541	ug/l	97
45) 1,2-Dichloropropane	9.39	63	57343	20.556	ug/l	98
46) Dibromomethane	9.48	93	35683	20.317	ug/l	93
47) Bromodichloromethane	9.67	83	93318	20.063	ug/l	98
48) Methyl methacrylate	9.46	41	24778	20.308	ug/l	96
49) 1,4-Dioxane	9.47	88	7082	380.152	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	133202	104.810	ug/l	99
52) Toluene	10.41	92	168108	20.443	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	81611	20.172	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	98070	20.690	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	50564	20.967	ug/l	96
56) Ethyl methacrylate	10.66	69	50008	21.223	ug/l	98
57) 1,3-Dichloropropane	10.95	76	79286	21.001	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	132590	109.247	ug/l	100
59) 2-Hexanone	10.99	43	88861	103.834	ug/l	98
60) Dibromochloromethane	11.14	129	70659	20.287	ug/l	97
61) 1,2-Dibromoethane	11.25	107	48240	20.547	ug/l	98
64) Tetrachloroethene	10.88	164	69754	19.282	ug/l	94
65) Chlorobenzene	11.67	112	191069	20.235	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	74131	19.770	ug/l	98
67) Ethyl Benzene	11.75	91	321199	20.218	ug/l	98
68) m/p-Xylenes	11.86	106	252940	40.979	ug/l	99
69) o-Xylene	12.18	106	116585	20.428	ug/l	92
70) Styrene	12.20	104	198780	20.270	ug/l	98
71) Bromoform	12.37	173	39990	19.942	ug/l #	97
73) Isopropylbenzene	12.48	105	317715	20.531	ug/l	100
74) N-amyl acetate	12.29	43	47211	20.484	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	48985	20.248	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	39049m	22.562	ug/l	
77) Bromobenzene	12.77	156	79884	20.281	ug/l	98
78) n-propylbenzene	12.83	91	373207	20.507	ug/l	99
79) 2-Chlorotoluene	12.91	91	213978	20.169	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	280966	20.634	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15378	20.636	ug/l	99
82) 4-Chlorotoluene	13.01	91	224333	19.813	ug/l	97
83) tert-Butylbenzene	13.23	119	232168	20.422	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	277466	20.708	ug/l	99
85) sec-Butylbenzene	13.41	105	318324	20.191	ug/l	99
86) p-Isopropyltoluene	13.52	119	309331	20.759	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	155877	20.212	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	148688	19.659	ug/l	97
89) n-Butylbenzene	13.85	91	262988	20.228	ug/l	98
90) Hexachloroethane	14.12	117	51665	19.985	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	134761	20.199	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9024	20.709	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	86219	19.861	ug/l	98
94) Hexachlorobutadiene	15.28	225	54033	19.830	ug/l	96
95) Naphthalene	15.41	128	143313	21.033	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	77984	20.920	ug/l	99

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

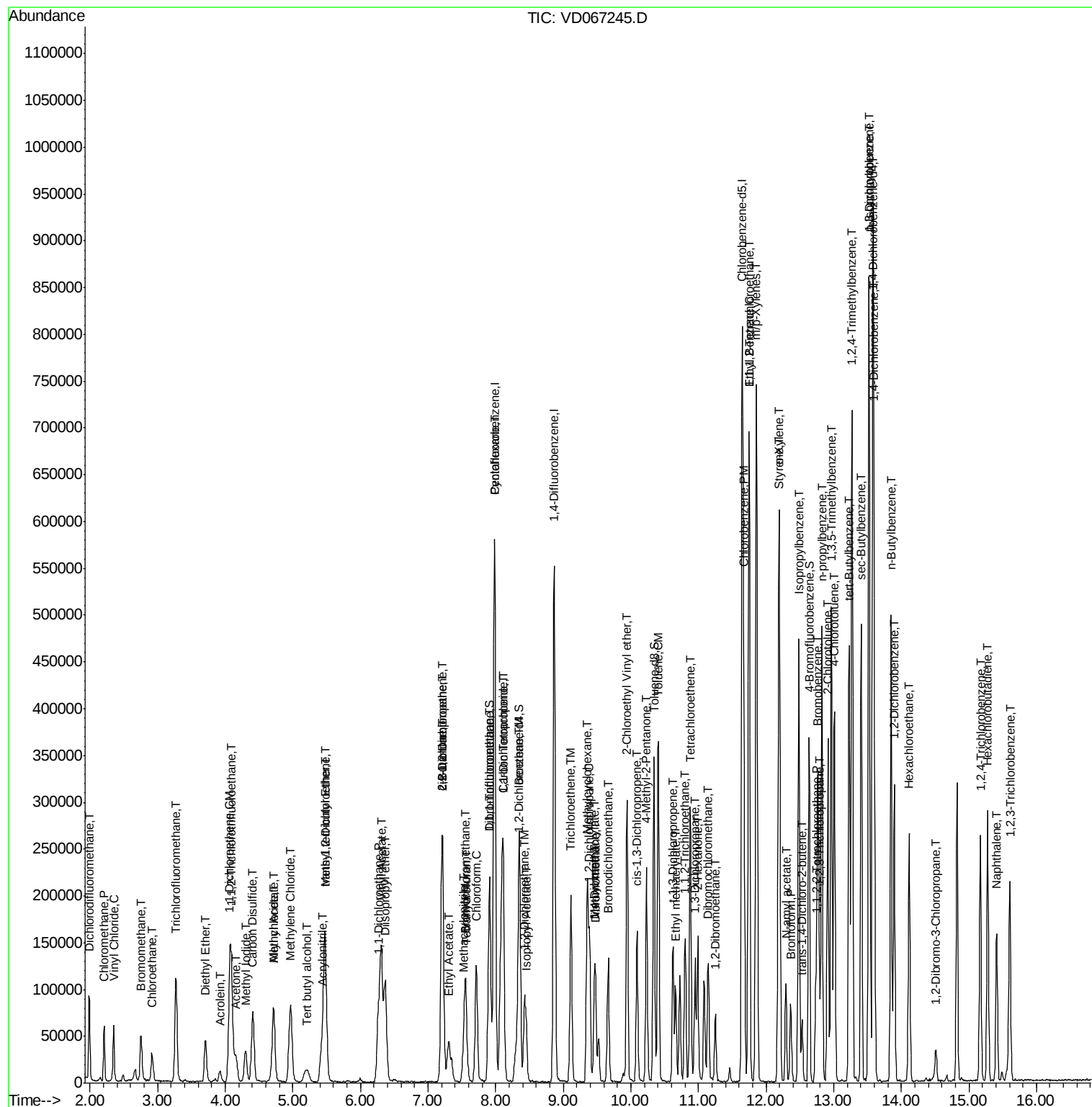
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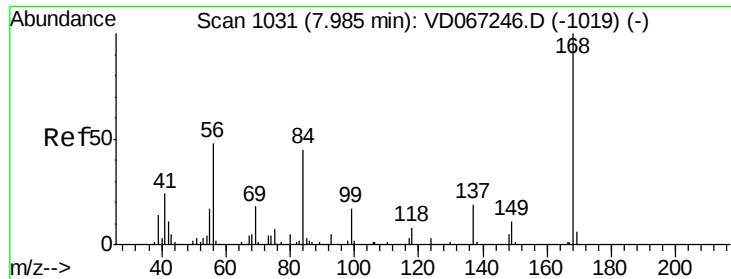
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 334031

Ion Ratio Lower Upper

168 100

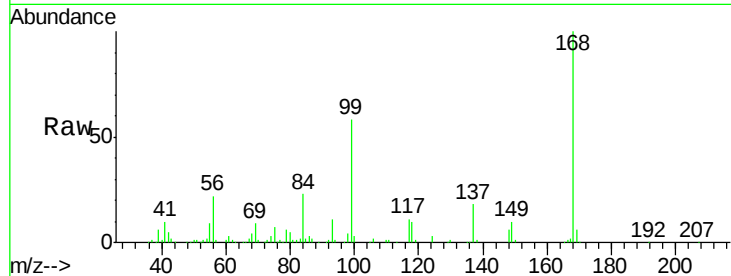
99 57.6 45.9 68.9

Manual Integrations

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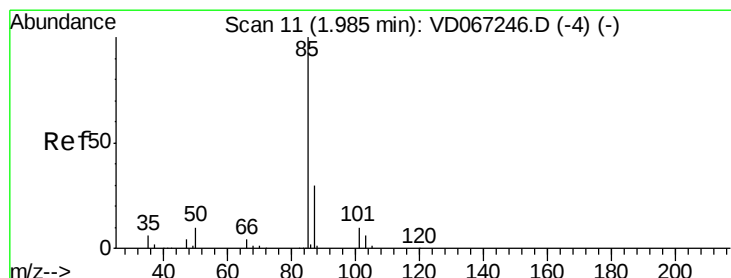
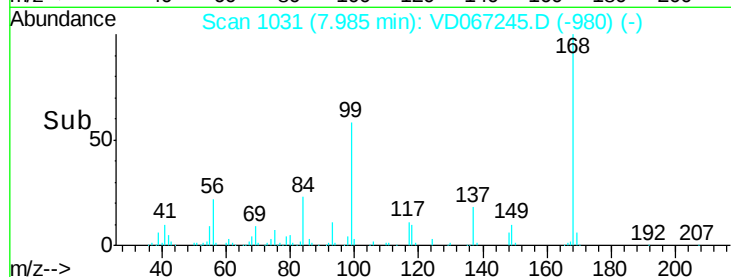
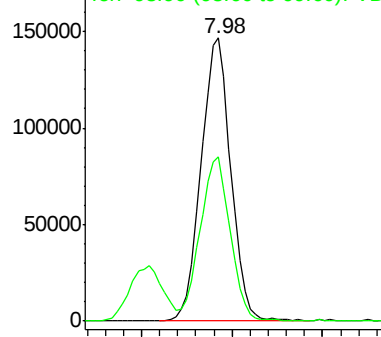
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.577 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067245.D

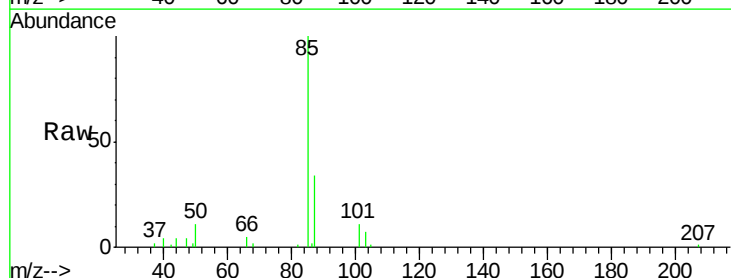
Acq: 13 Oct 2020 11:22

Tgt Ion: 85 Resp: 67461

Ion Ratio Lower Upper

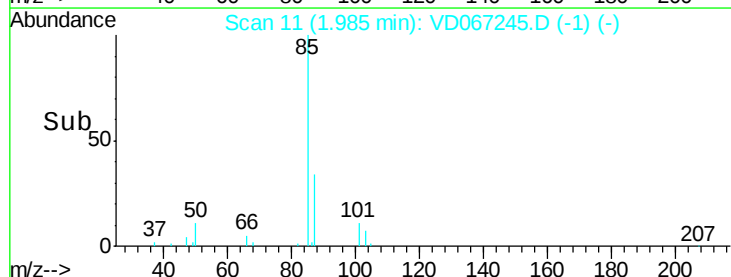
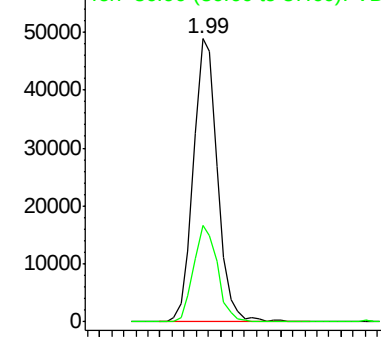
85 100

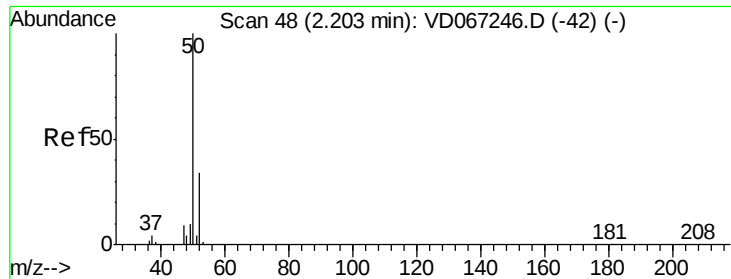
87 34.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.103 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 44199

Ion Ratio Lower Upper

50 100

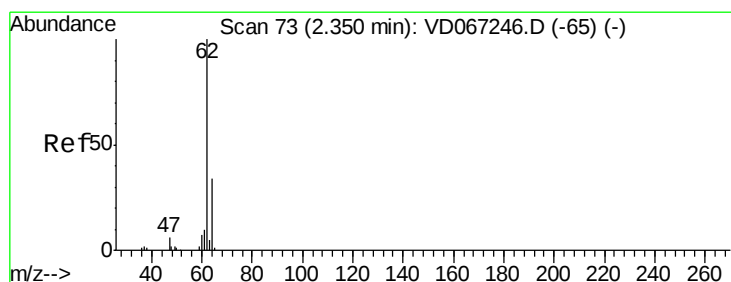
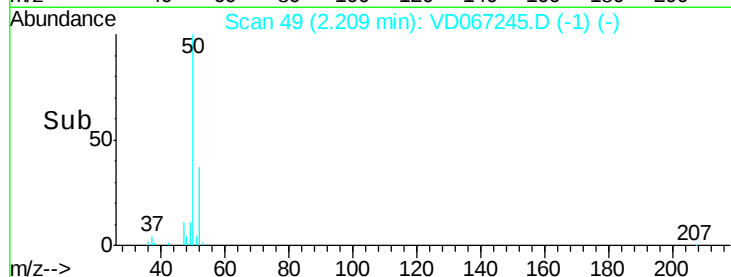
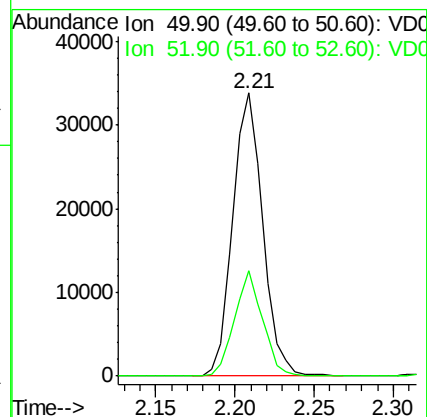
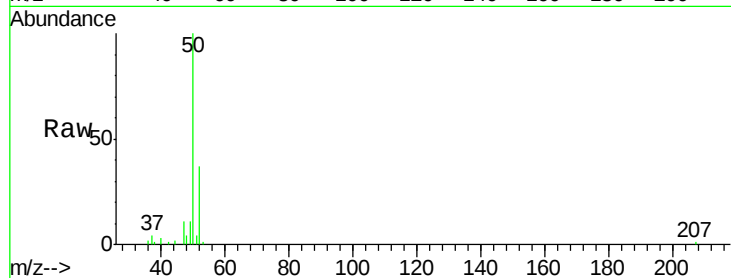
52 37.0 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.709 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067245.D

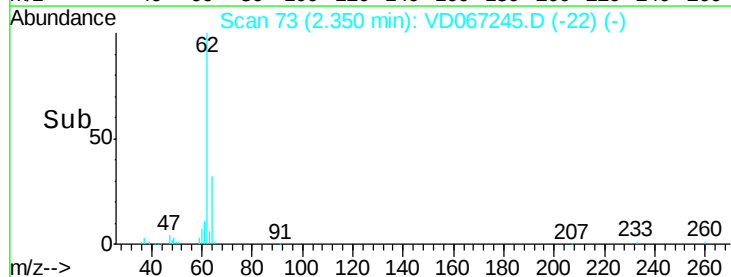
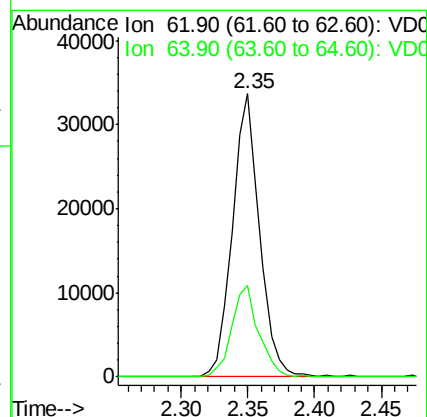
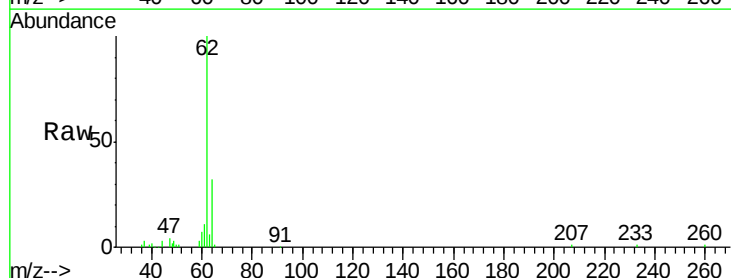
Acq: 13 Oct 2020 11:22

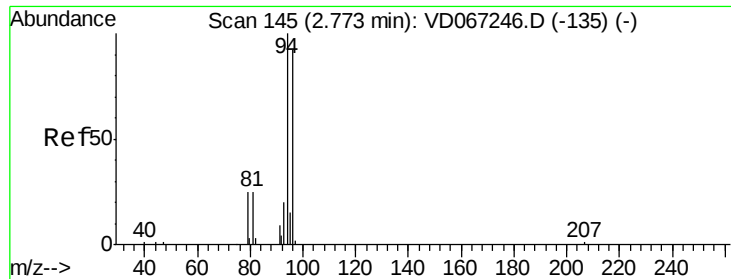
Tgt Ion: 62 Resp: 47899

Ion Ratio Lower Upper

62 100

64 32.3 27.4 41.0





#5

Bromomethane

Concen: 18.967 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

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Tot Ion: 94 Resp: 36125

Ion Ratio Lower Upper

94 100

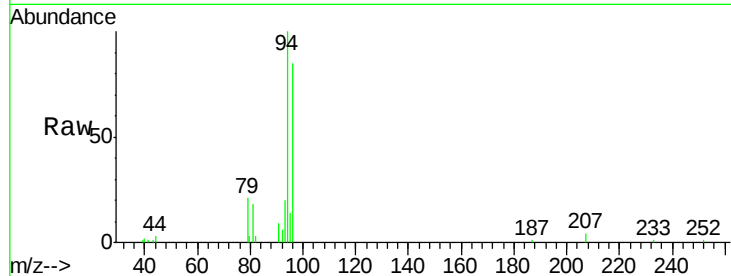
96 84.7 73.8 110.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

20000

15000

10000

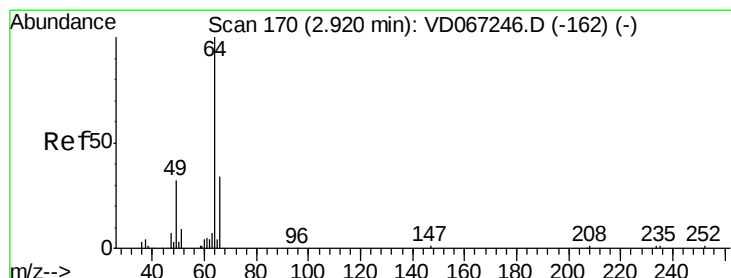
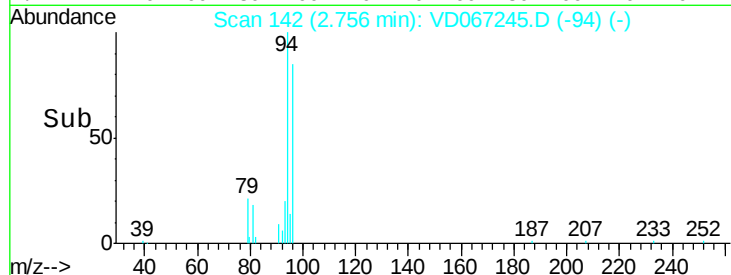
5000

0

2.76

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 20.174 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067245.D

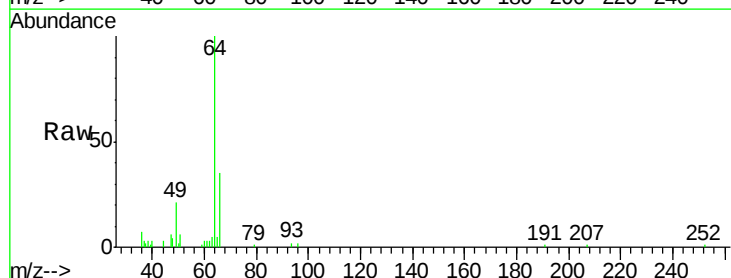
Acq: 13 Oct 2020 11:22

Tgt Ion: 64 Resp: 30685

Ion Ratio Lower Upper

64 100

66 34.6 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

15000

10000

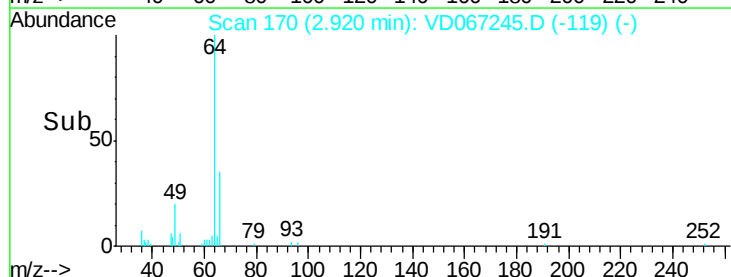
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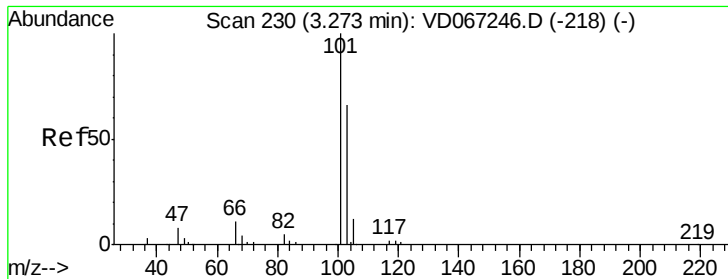
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2.92

2.85 2.90 2.95 3.00

Time-->





#7

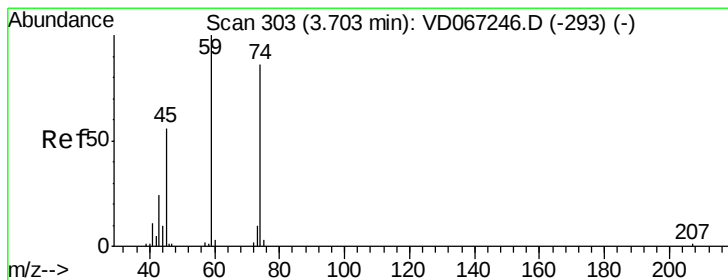
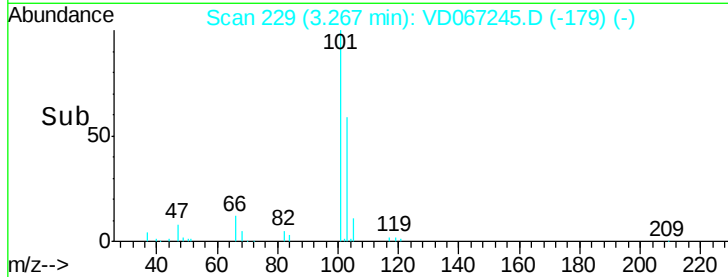
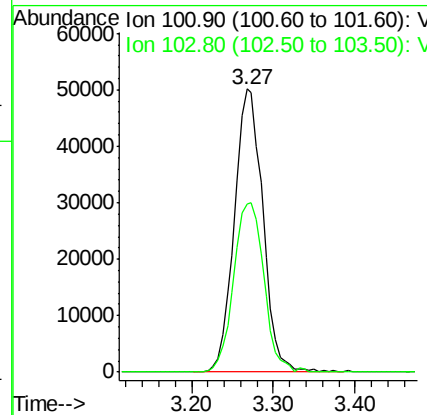
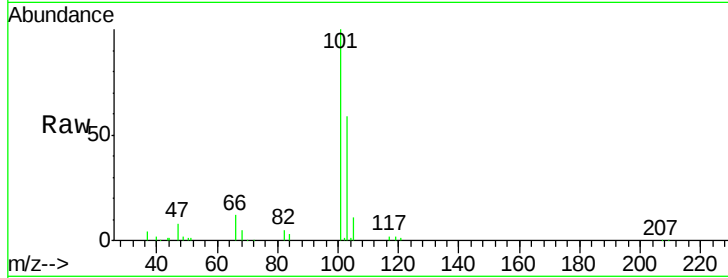
Trichlorofluoromethane
Concen: 19.930 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067245.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.5	53.1	79.7

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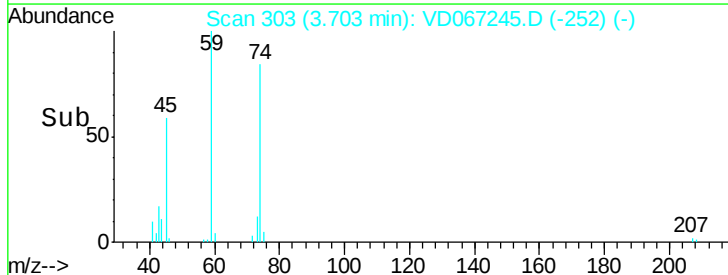
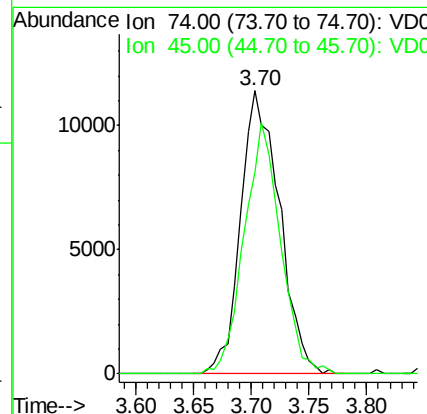
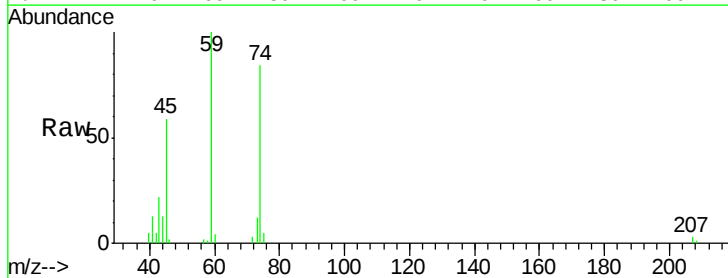
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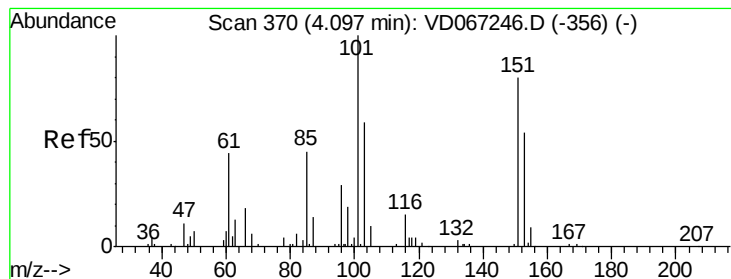


#8

Diethyl Ether
Concen: 19.688 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD067245.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.5	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.649 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067245.D

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Instrument :

MSVOA_D

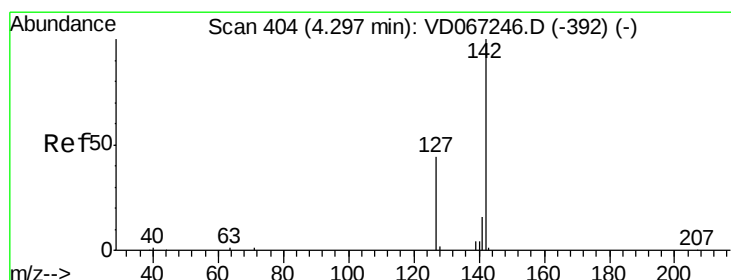
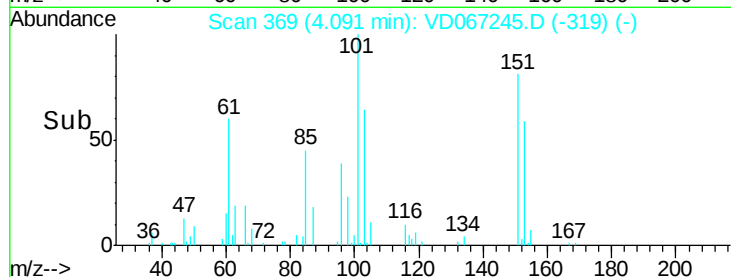
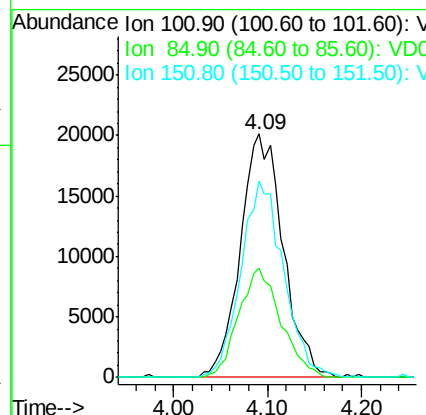
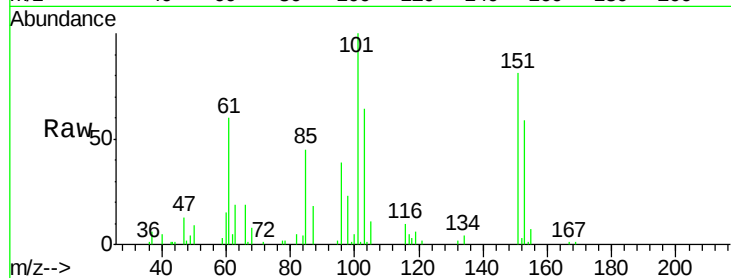
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	63732
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.4
151	80.2	66.3	99.5

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#10

Methyl Iodide

Concen: 20.371 ug/l

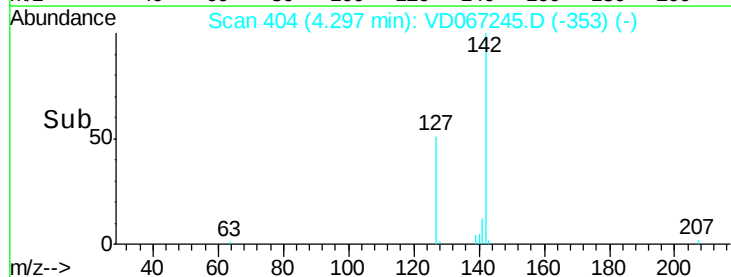
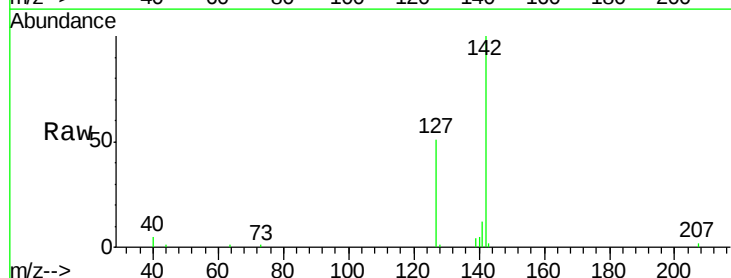
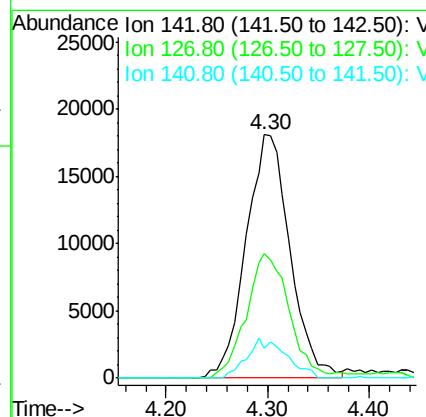
RT: 4.30 min Scan# 404

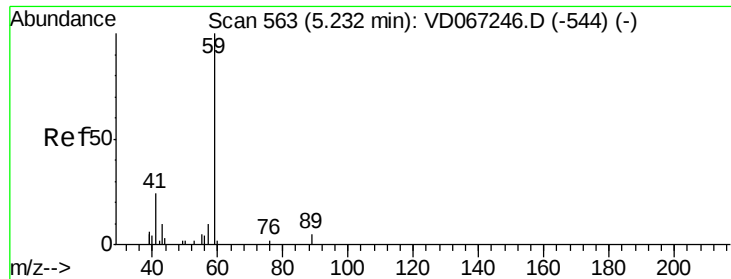
Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Tgt Ion:	142	Resp:	54591
Ion Ratio	Lower	Upper	
142	100		
127	49.4	38.4	57.6
141	14.6	11.6	17.4





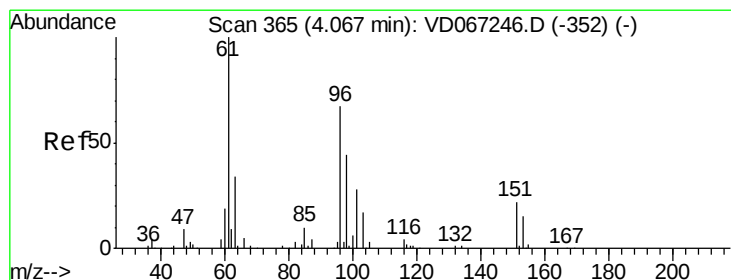
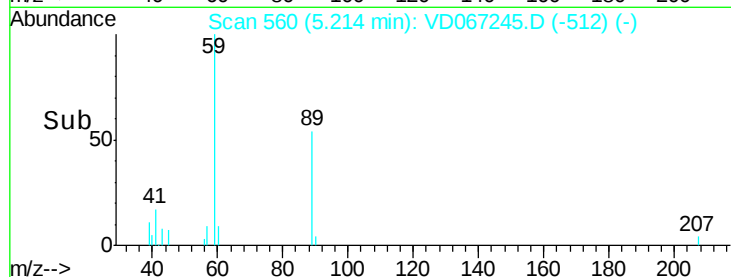
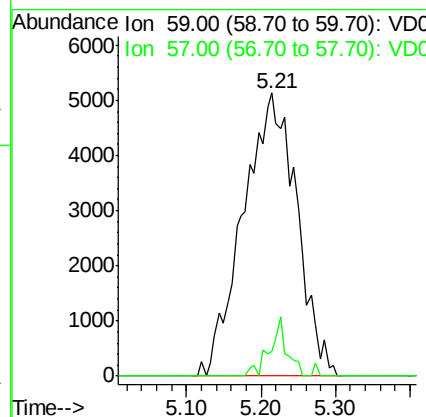
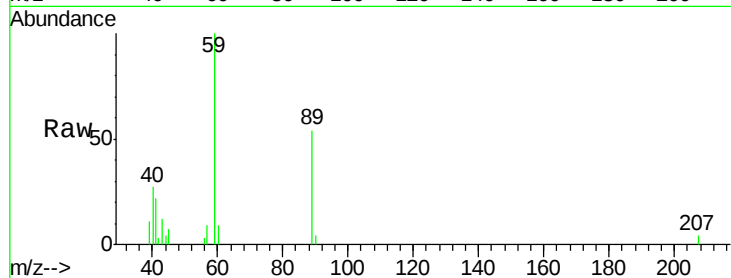
#11
Tert butyl alcohol
Concen: 88.915 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 25556
Ion Ratio Lower Upper
59 100
57 6.5 5.1 7.7

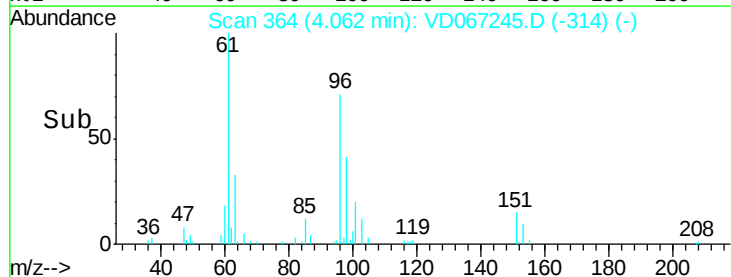
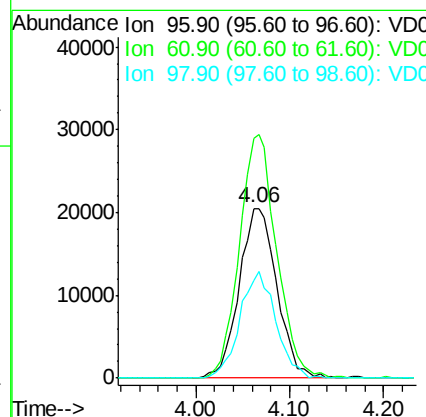
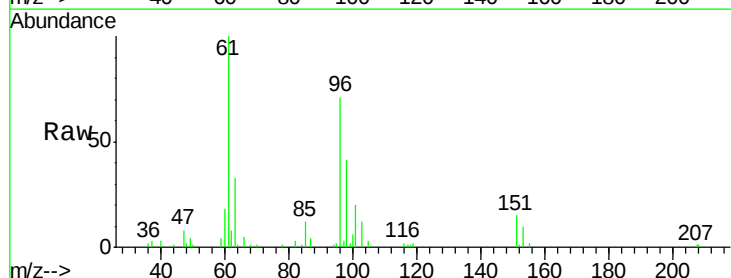
Manual Integrations
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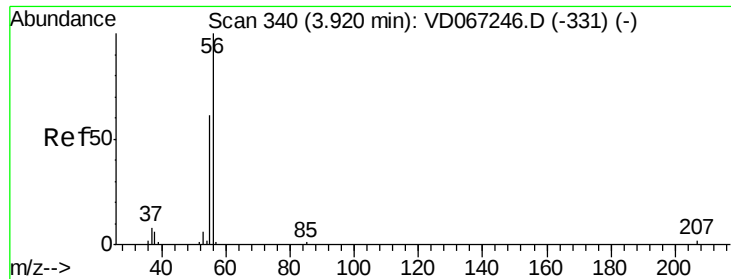
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.955 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 96 Resp: 56922
Ion Ratio Lower Upper
96 100
61 141.1 118.6 177.8
98 57.5 51.8 77.6





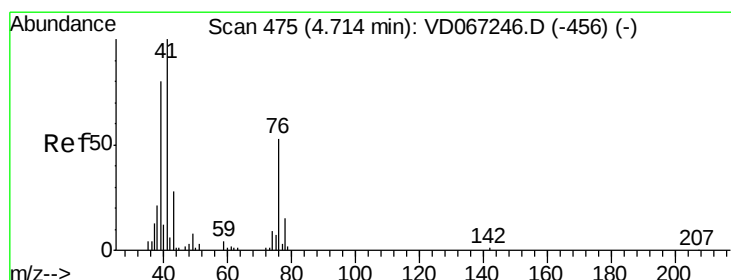
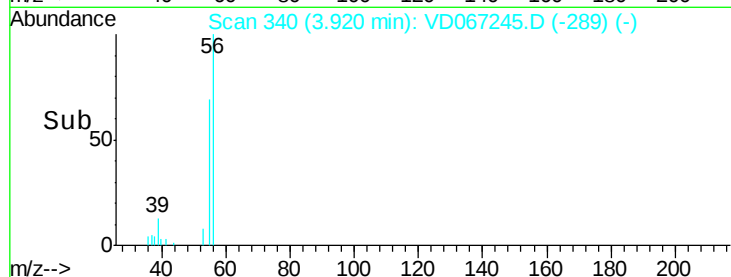
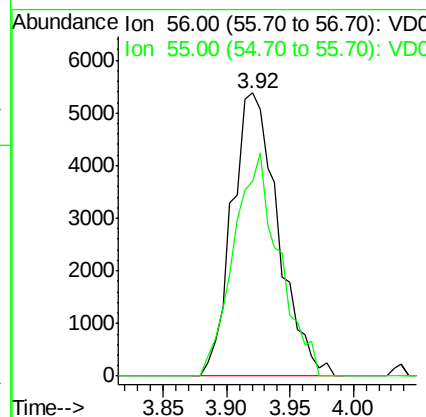
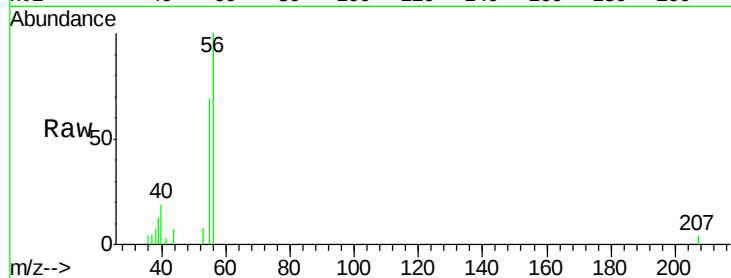
#13
Acrolein
Concen: 87.875 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	77.6	56.0	84.0

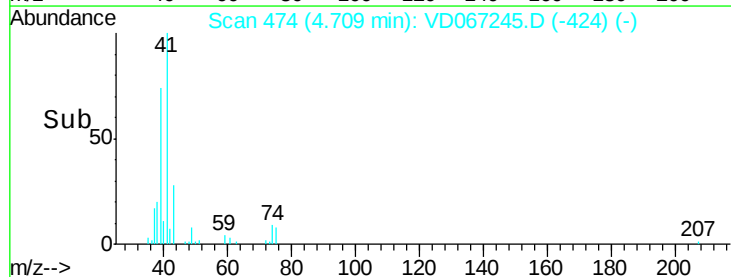
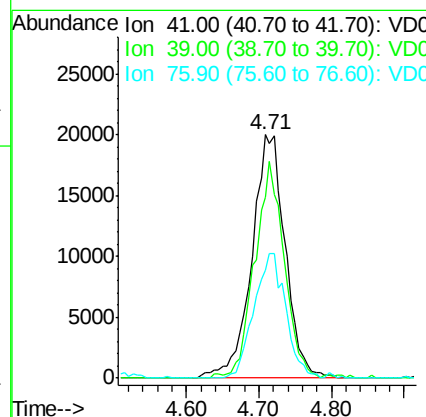
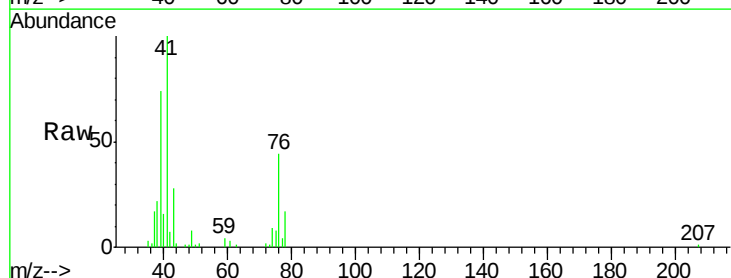
Manual Integrations
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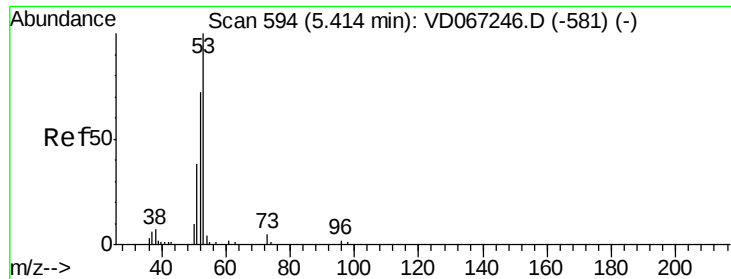
MMDadoda
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#14
Allyl chloride
Concen: 20.107 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	78.4	63.8	95.6
76	48.3	40.4	60.6





#15

Acrylonitrile

Concen: 101.888 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

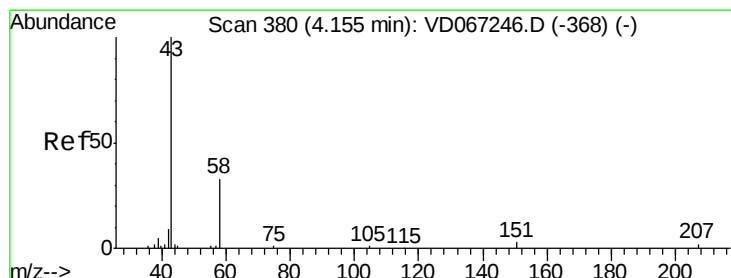
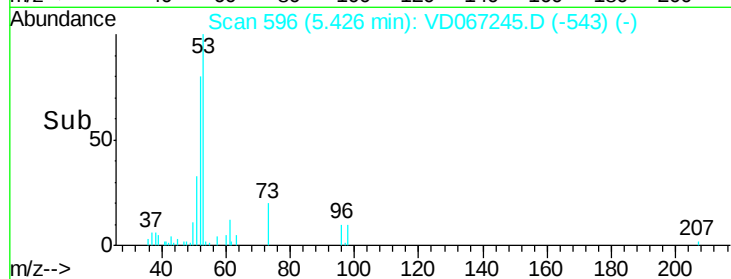
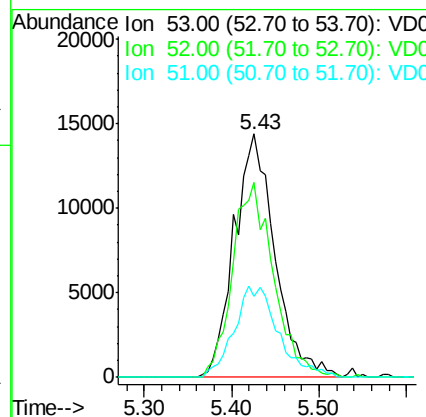
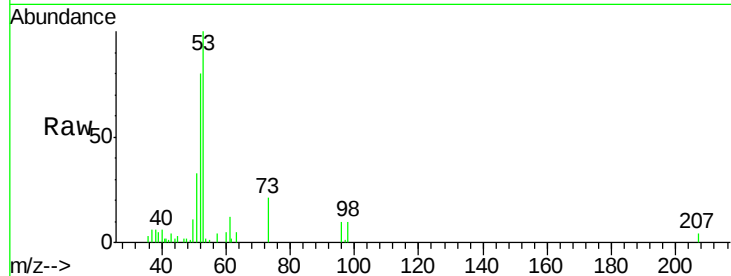
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	45738
Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.6	98.4
51	40.4	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 99.717 ug/l

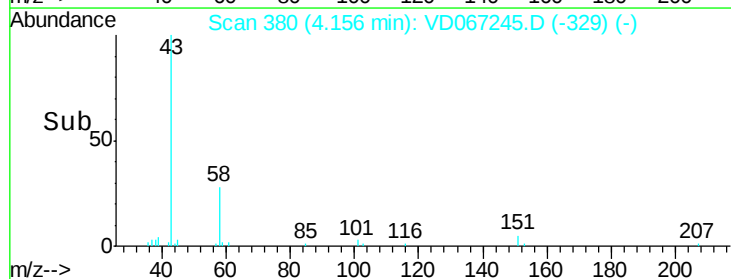
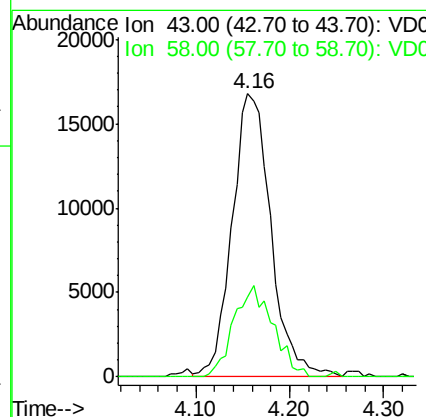
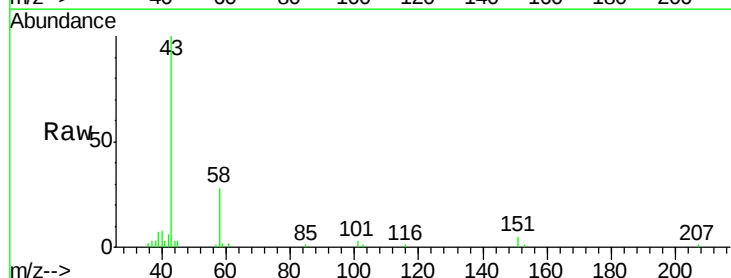
RT: 4.16 min Scan# 380

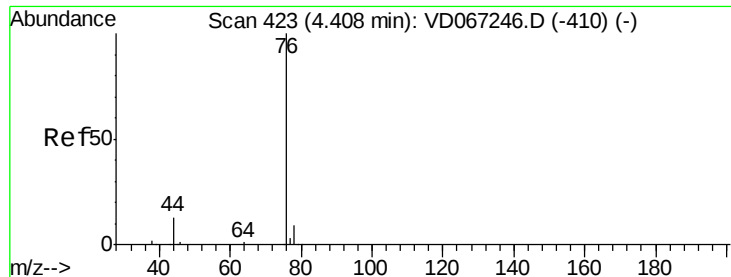
Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Tgt Ion:	43	Resp:	48139
Ion	Ratio	Lower	Upper
43	100		
58	28.1	26.1	39.1





#17

Carbon Disulfide

Concen: 19.734 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 160746

Ion Ratio Lower Upper

76 100

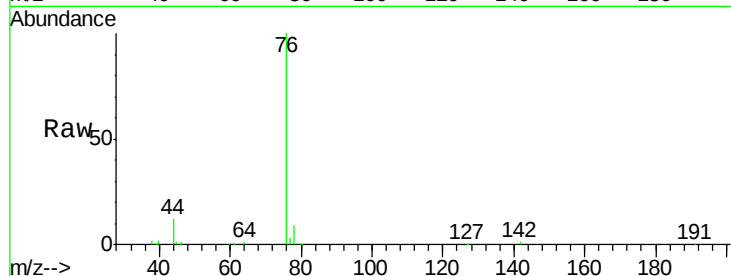
78 9.3 7.4 11.0

Manual Integrations

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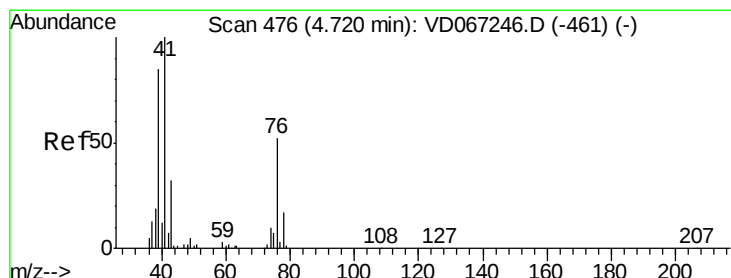
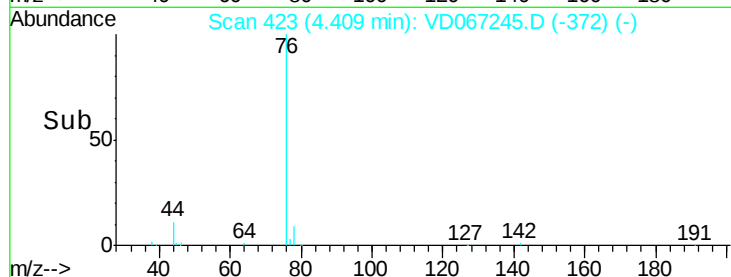
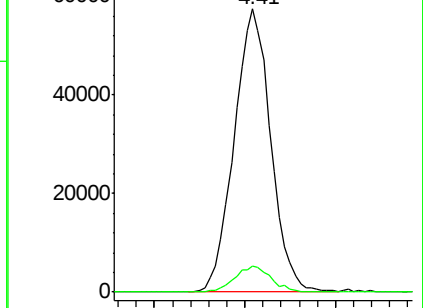
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.960 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067245.D

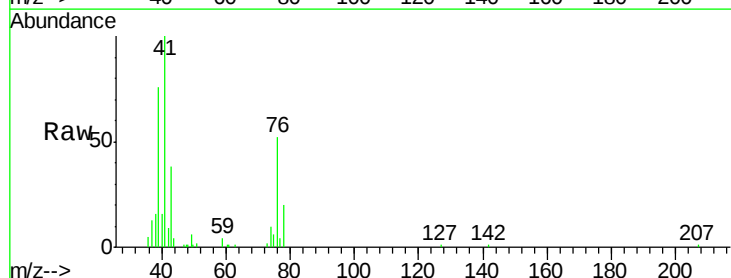
Acq: 13 Oct 2020 11:22

Tgt Ion: 43 Resp: 22127

Ion Ratio Lower Upper

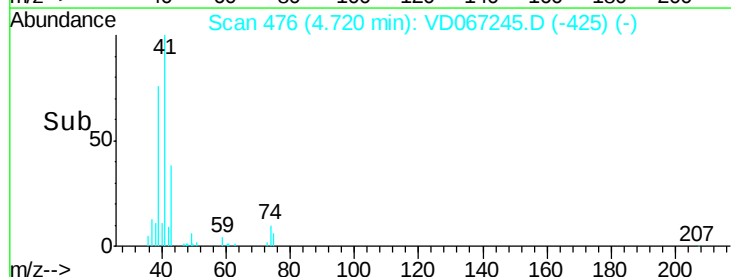
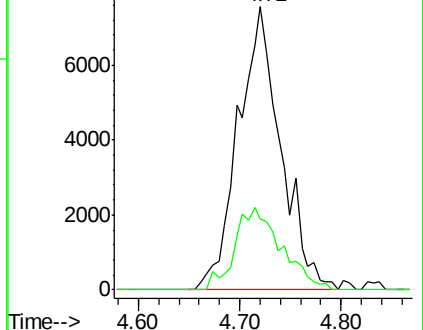
43 100

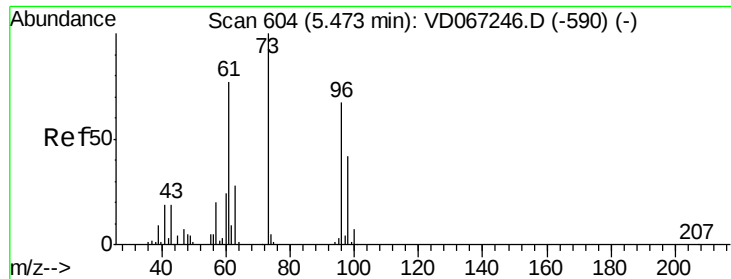
74 31.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





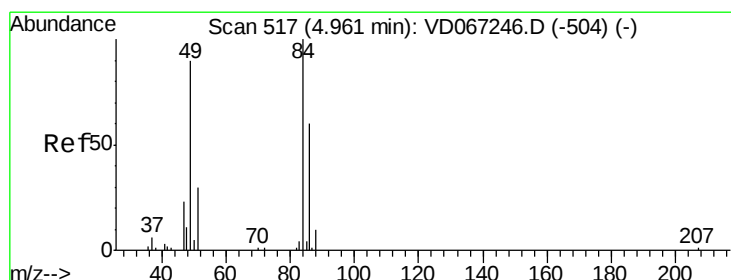
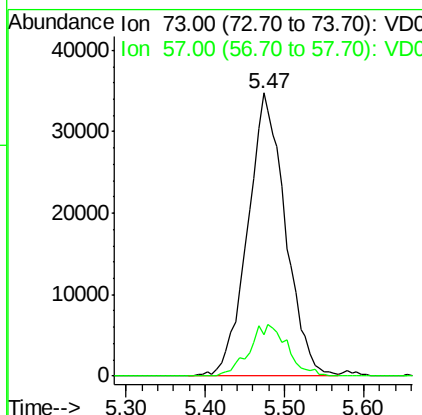
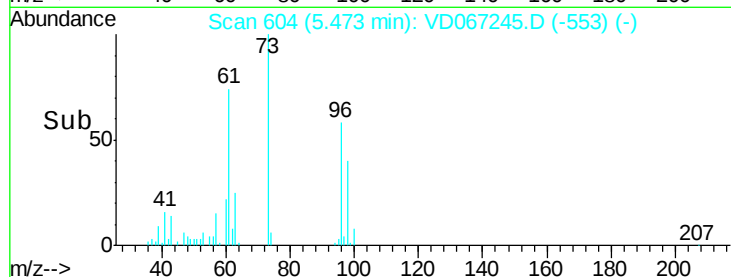
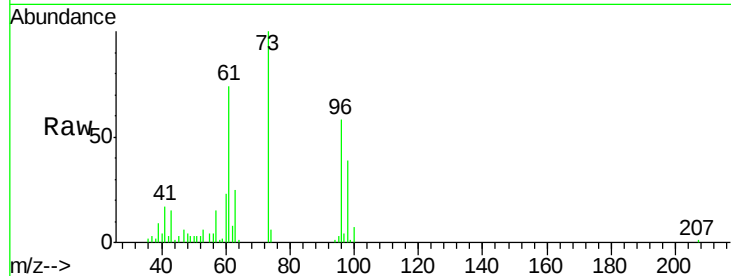
#19
Methyl tert-butyl Ether
Concen: 20.878 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion: 73 Resp: 114766
Ion Ratio Lower Upper
73 100
57 14.7 15.7 23.5#

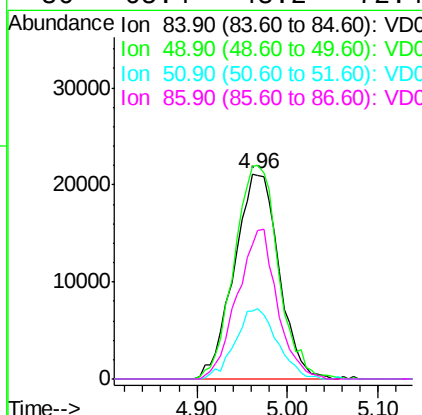
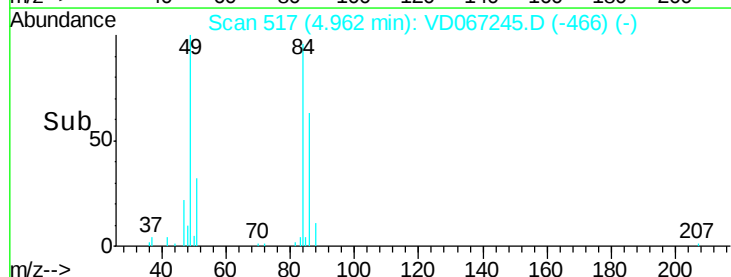
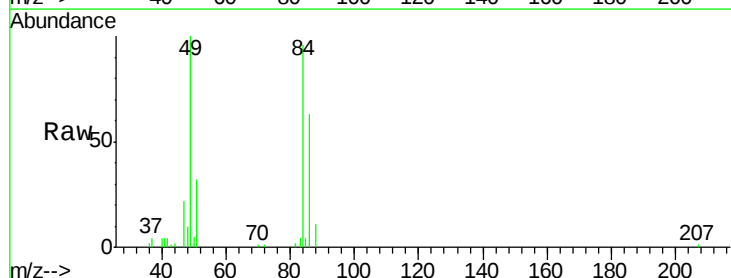
Manual Integrations
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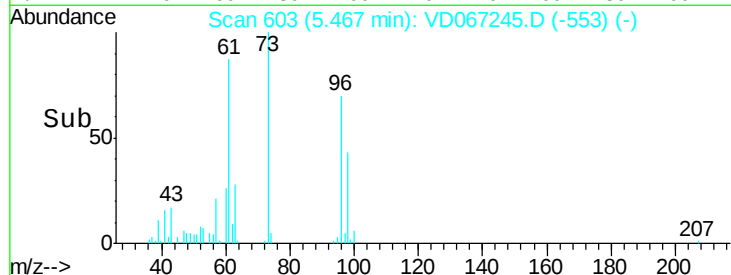
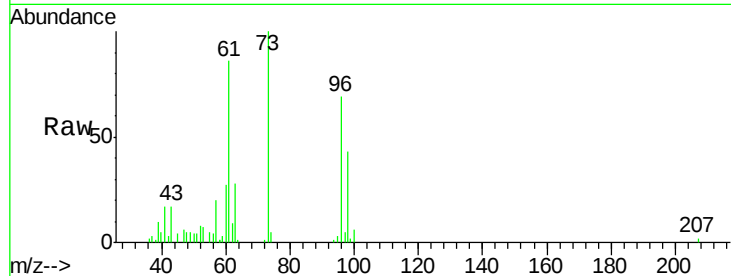
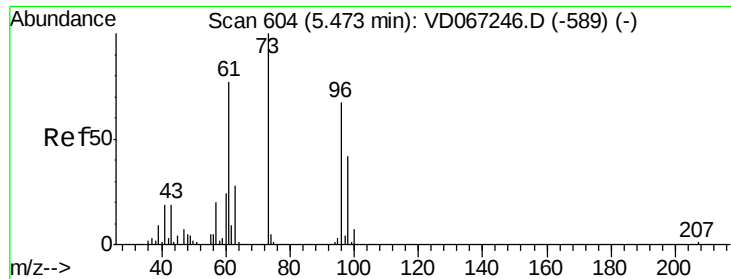
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#20
Methylene Chloride
Concen: 18.641 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 84 Resp: 72432
Ion Ratio Lower Upper
84 100
49 103.7 72.2 108.2
51 32.9 23.8 35.8
86 65.4 48.2 72.4





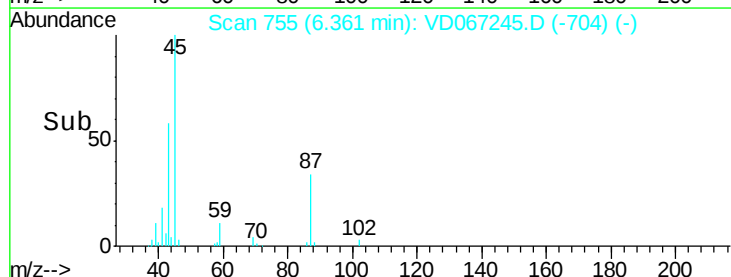
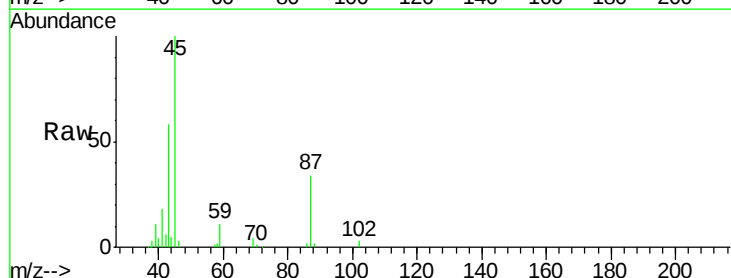
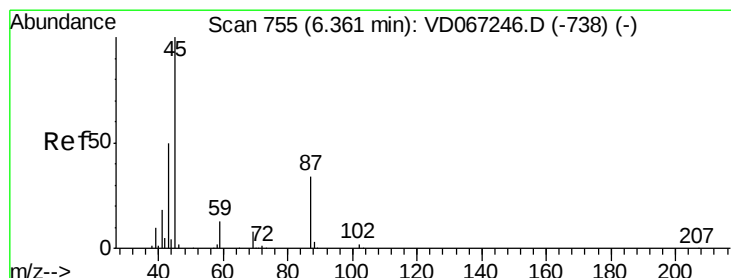
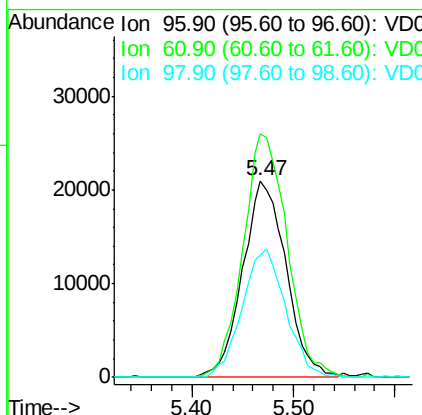
#21
trans-1,2-Dichloroethene
Concen: 19.148 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.7	92.0	138.0
98	61.8	49.8	74.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

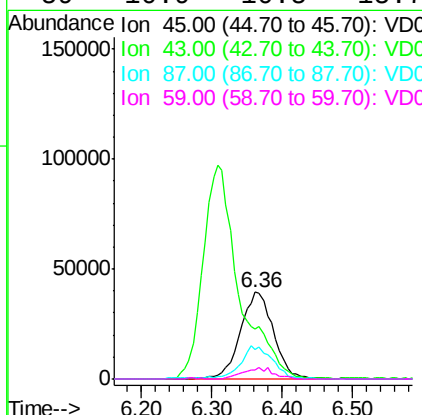
Manual Integrations
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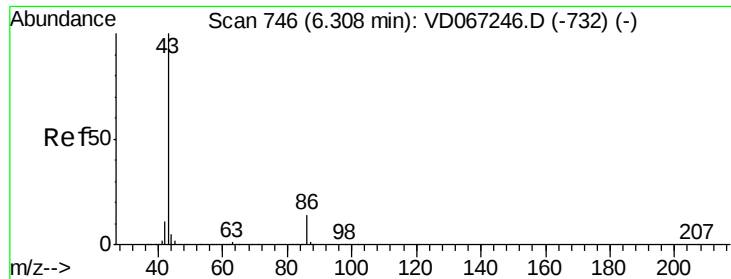
MMDadoda
10/14/2020 2:10:09 PM



#22
Diisopropyl ether
Concen: 21.916 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	48.0	72.0
87	34.5	28.5	42.7
59	10.9	10.5	15.7





#23

Vinyl Acetate

Concen: 109.021 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 347102

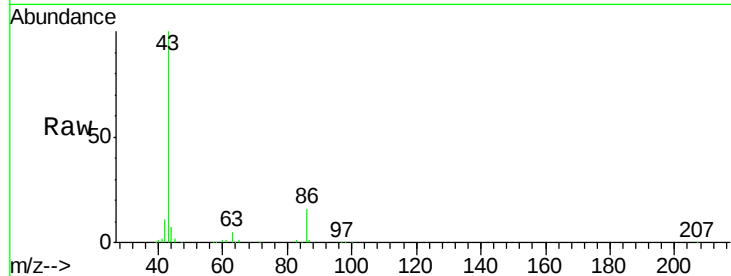
Ion Ratio Lower Upper

43 100

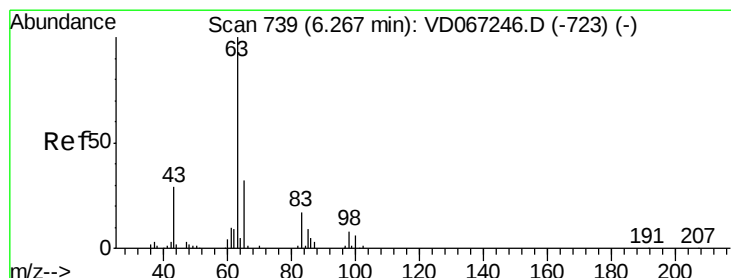
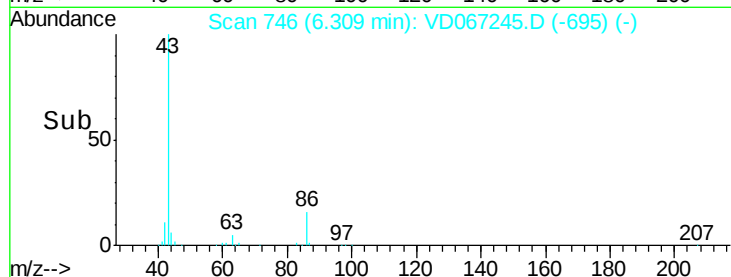
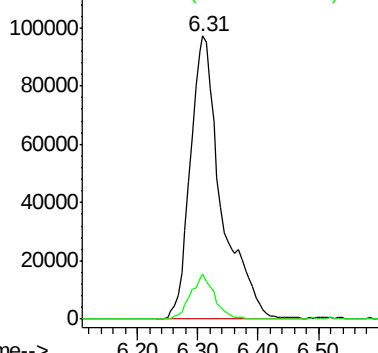
86 16.0 11.0 16.6

Manual Integrations
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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



#24

1,1-Dichloroethane

Concen: 20.079 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

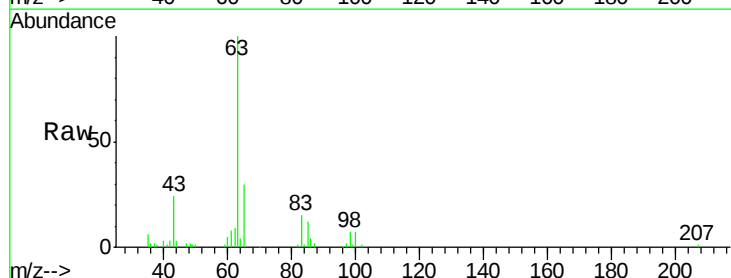
Tgt Ion: 63 Resp: 102645

Ion Ratio Lower Upper

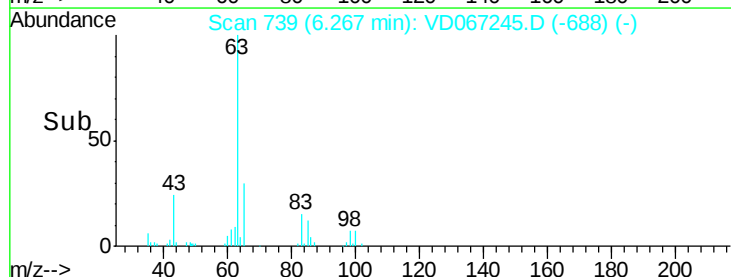
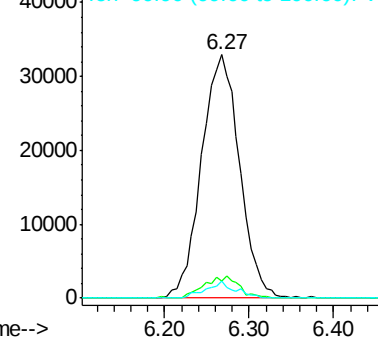
63 100

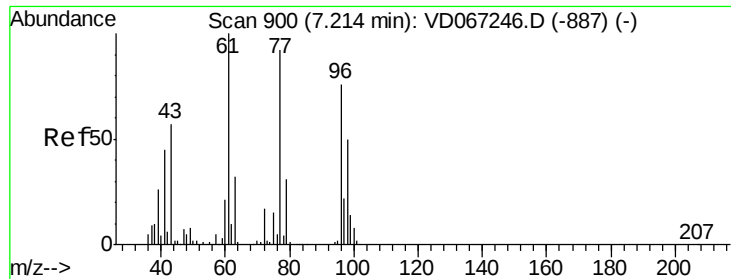
98 6.9 4.0 12.2

100 7.2 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





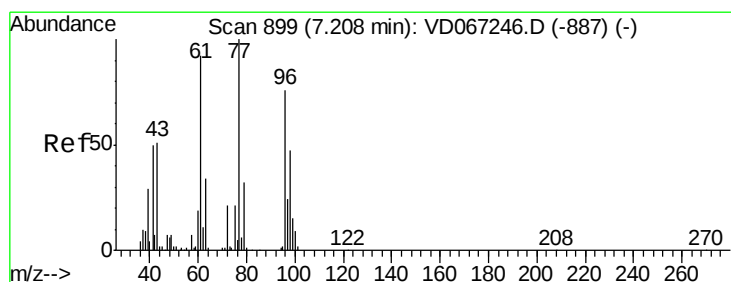
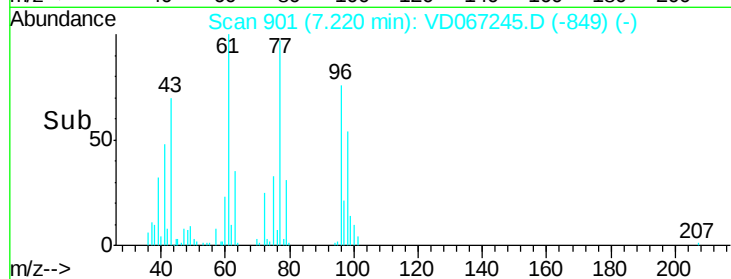
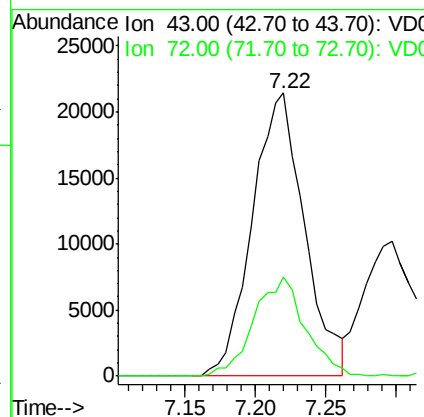
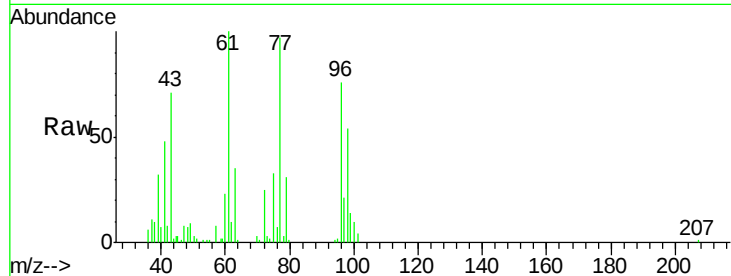
#25
2-Butanone
Concen: 102.646 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 55670
Ion Ratio Lower Upper
43 100
72 34.9 23.7 35.5

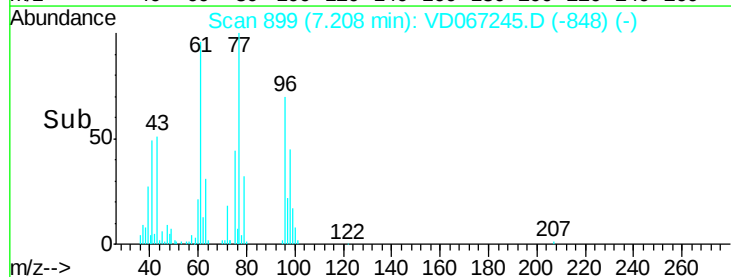
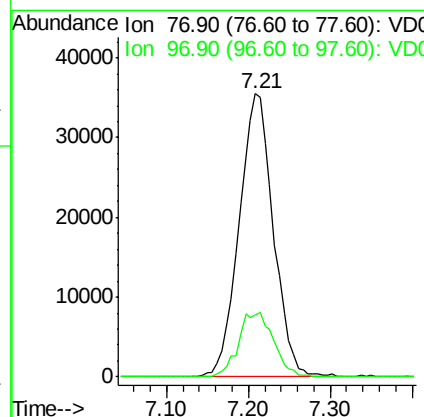
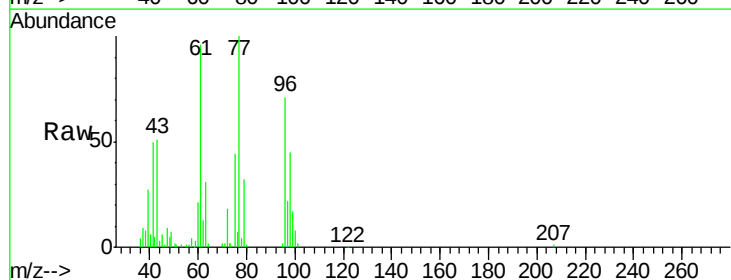
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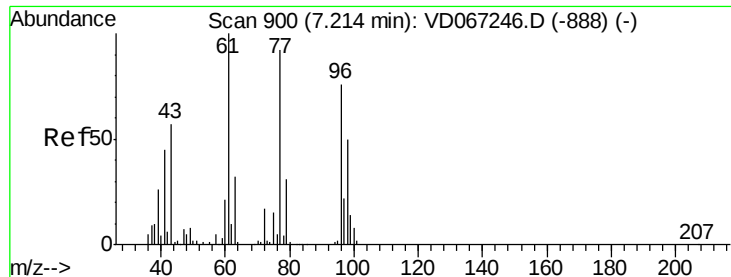
MMDadoda
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#26
2,2-Dichloropropane
Concen: 19.354 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 77 Resp: 103287
Ion Ratio Lower Upper
77 100
97 23.2 11.4 34.2





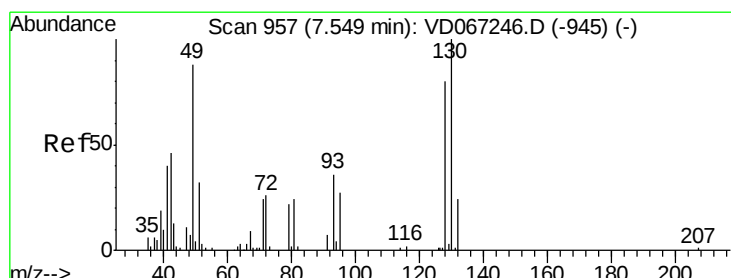
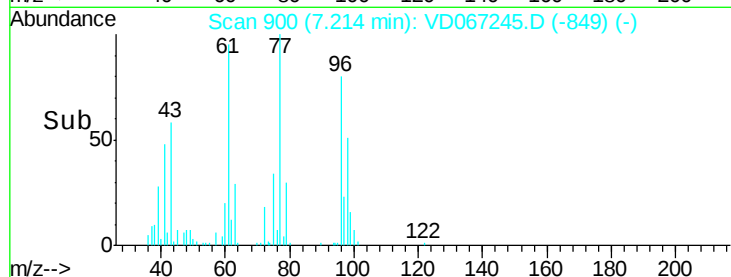
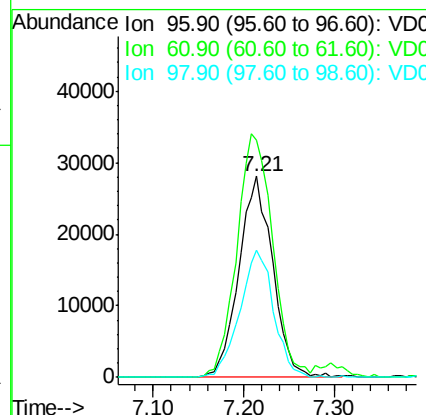
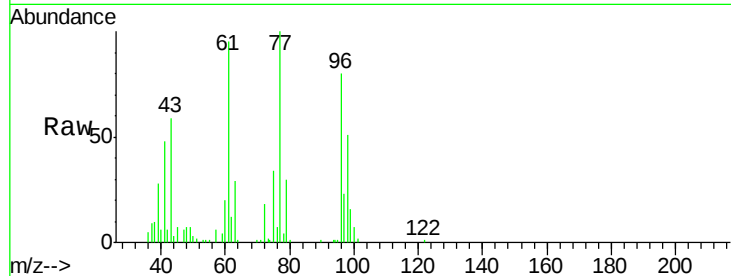
#27
 cis-1,2-Dichloroethene
 Concen: 20.331 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	72835		
61	127.8		0.0	255.4
98	63.0		0.0	128.0

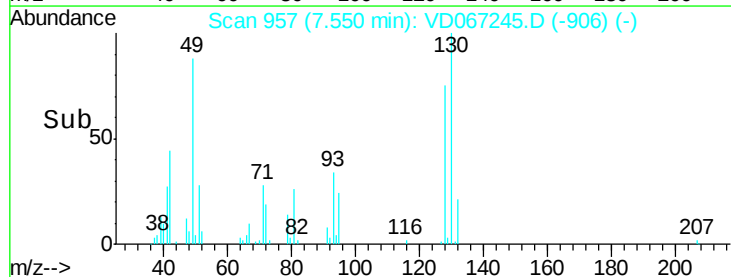
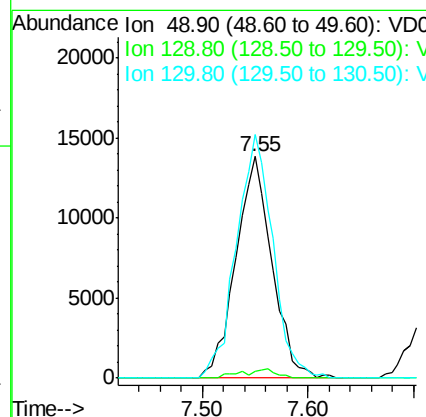
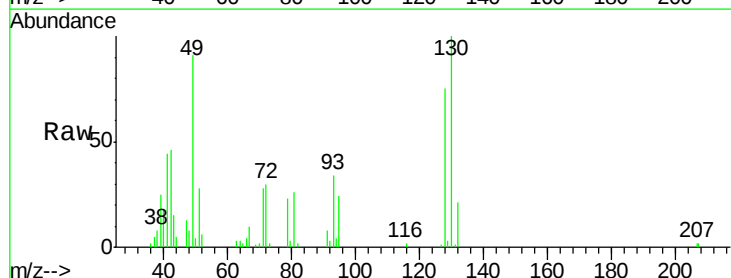
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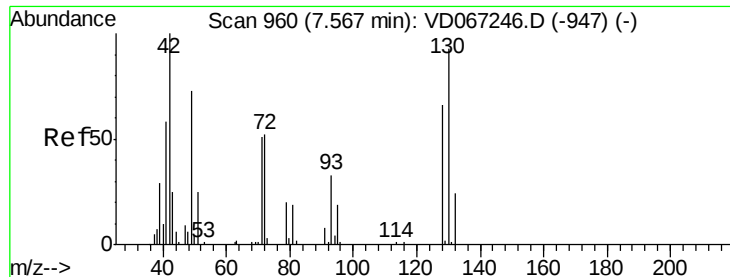
MMDadoda
 10/14/2020 2:10:09 PM



#28
 Bromochloromethane
 Concen: 19.187 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32723		
129	2.4		0.0	1.6#
130	111.0		91.0	136.6





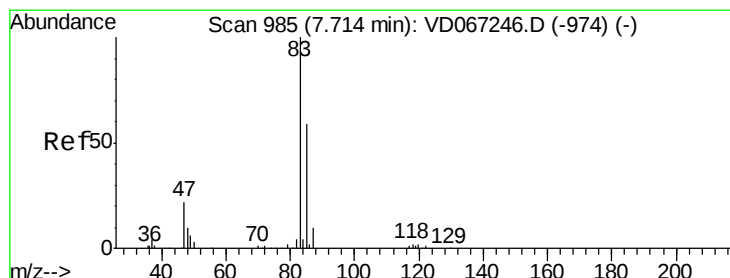
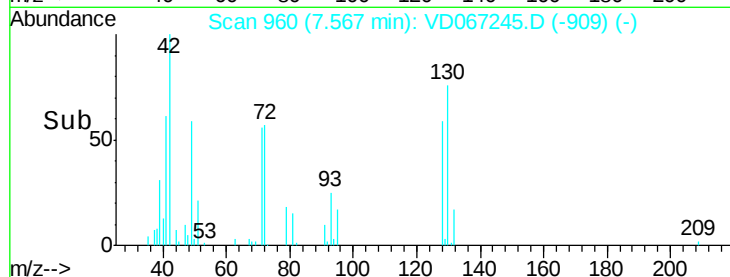
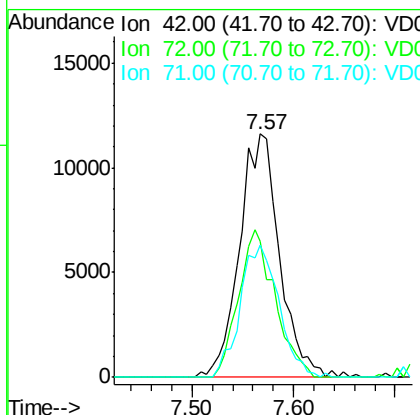
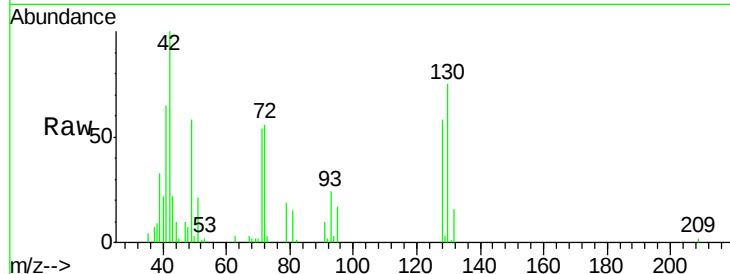
#29
Tetrahydrofuran
Concen: 106.031 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.7	43.2	64.8
71	52.8	39.4	59.0

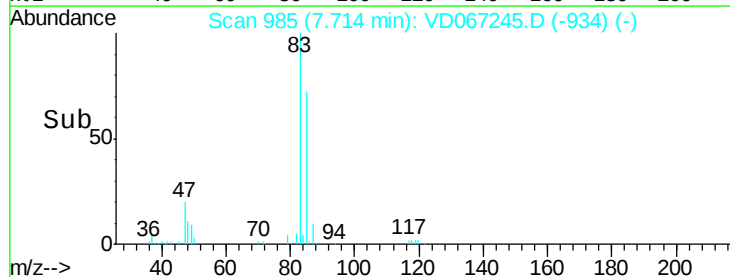
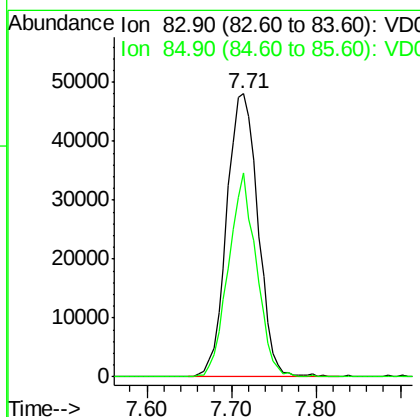
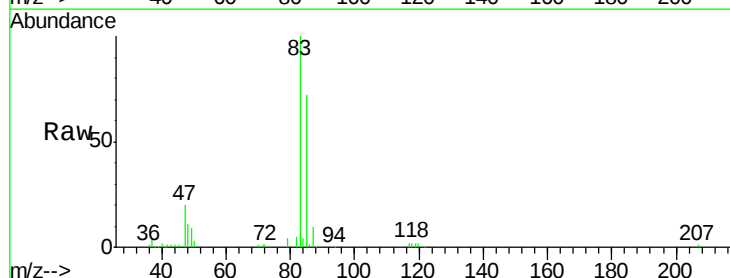
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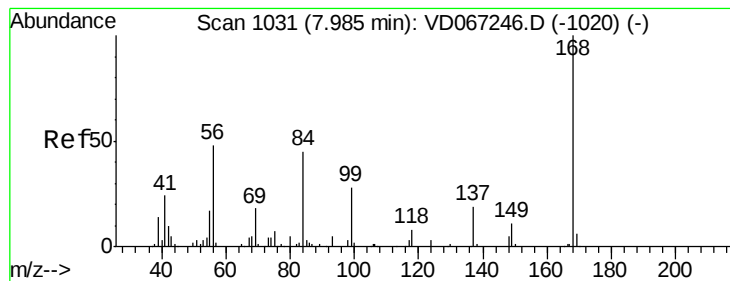
MMDadoda
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#30
Chloroform
Concen: 19.995 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.9	47.3	70.9#





#31

Cyclohexane

Concen: 19.697 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 80871

Ion Ratio Lower Upper

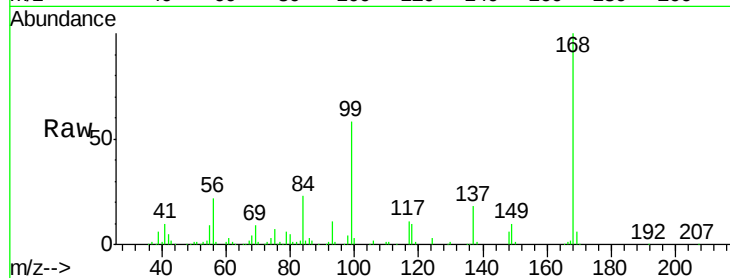
56 100

69 41.9 29.8 44.6

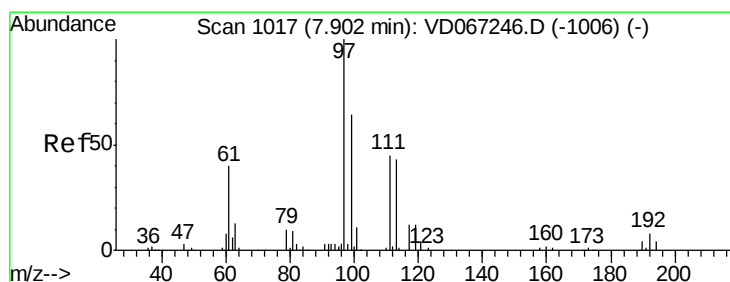
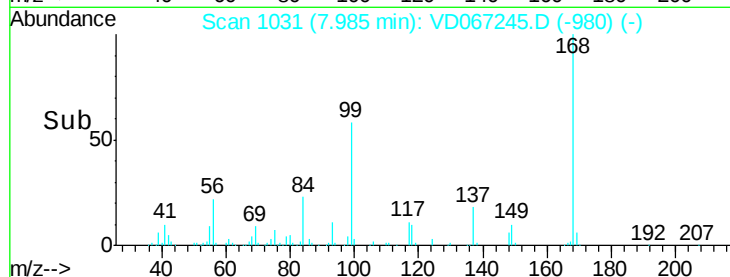
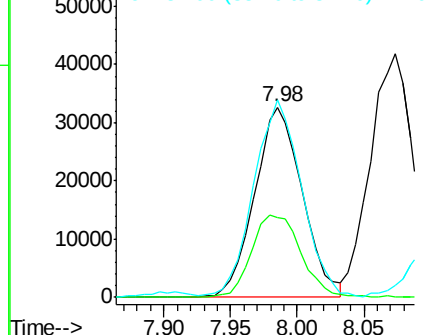
84 102.1 76.6 114.8

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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.084 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

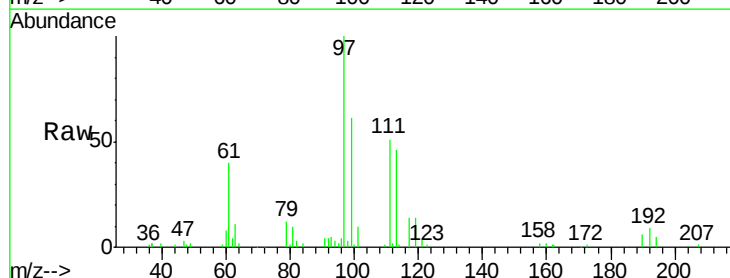
Tgt Ion: 97 Resp: 120856

Ion Ratio Lower Upper

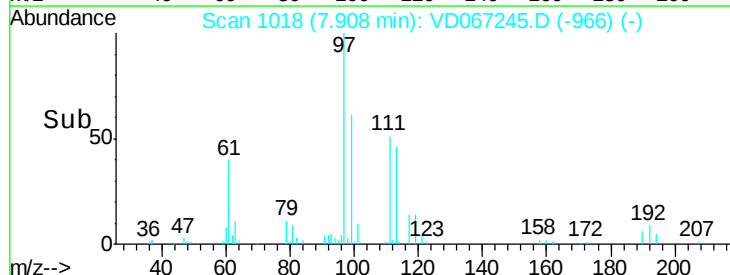
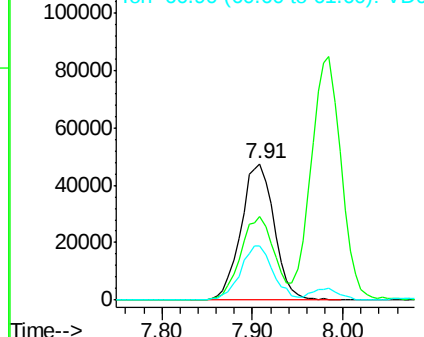
97 100

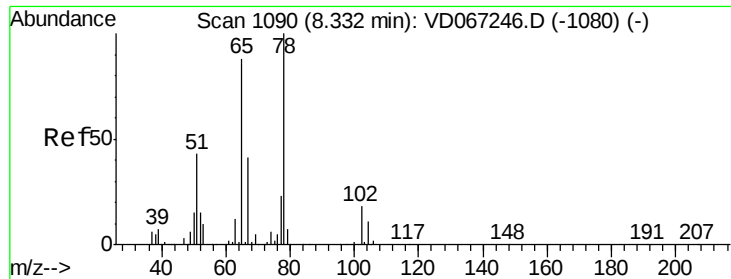
99 61.2 50.2 75.4

61 39.3 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.842 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 68093

Ion Ratio Lower Upper

65 100

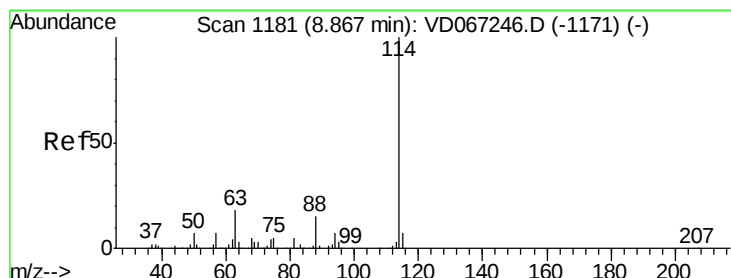
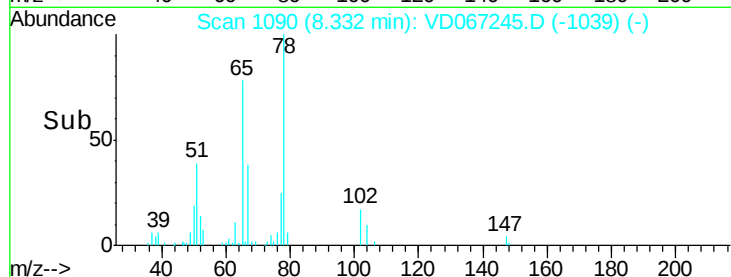
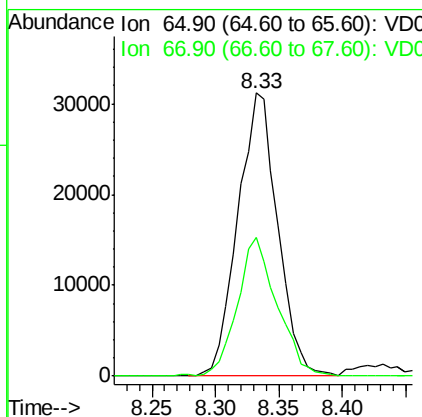
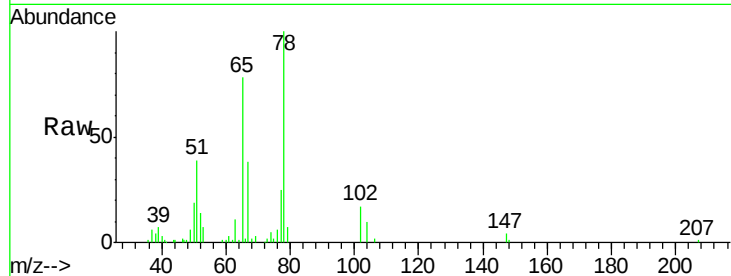
67 48.8 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

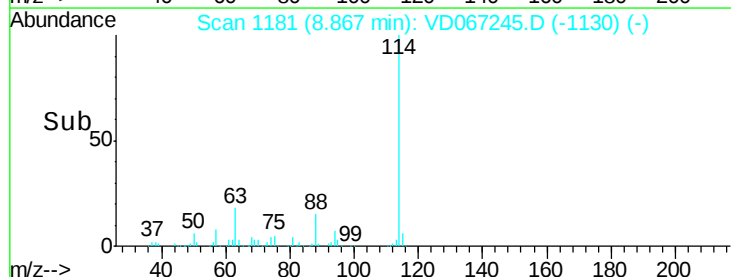
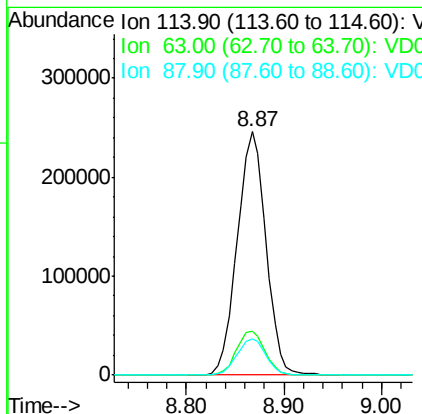
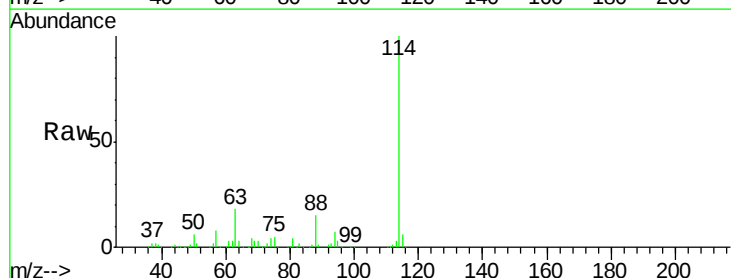
Tgt Ion: 114 Resp: 503952

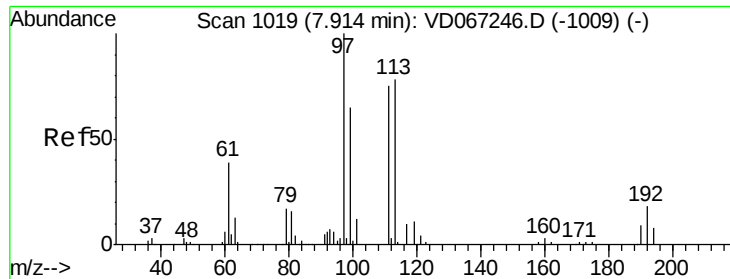
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 14.9 0.0 30.6





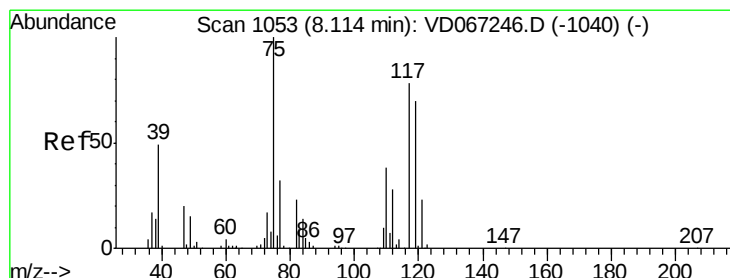
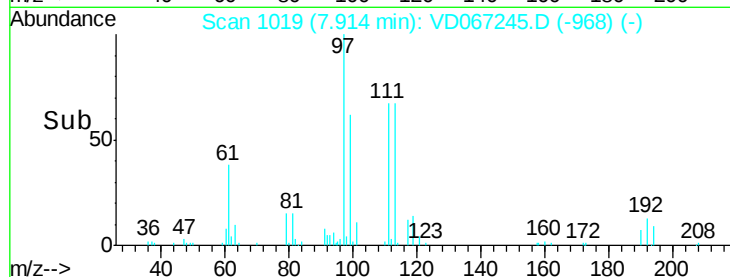
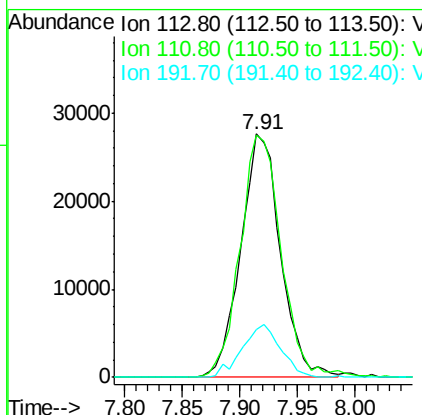
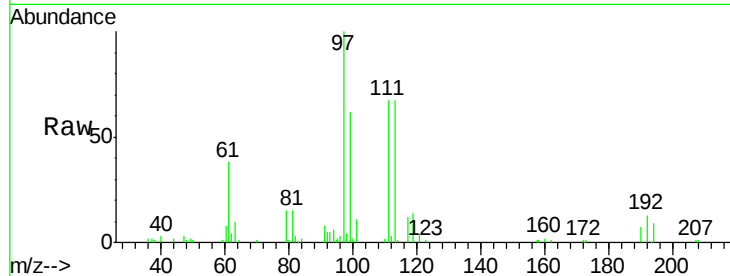
#35
 Dibromofluoromethane
 Concen: 19.697 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	66095		
111	103.4		81.6	122.4
192	21.2		17.0	25.4

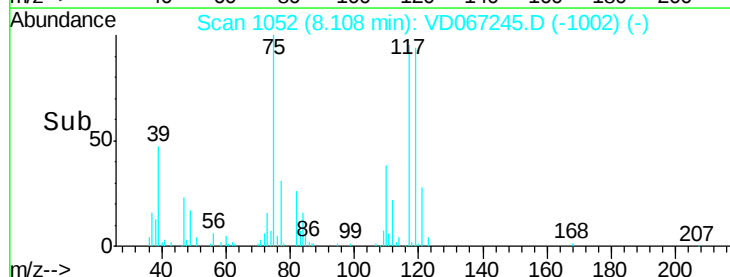
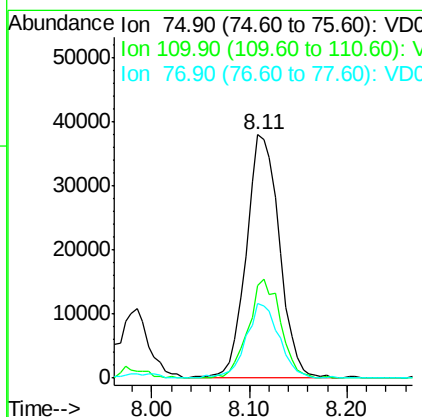
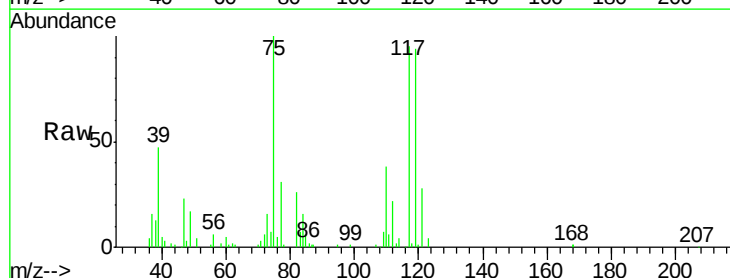
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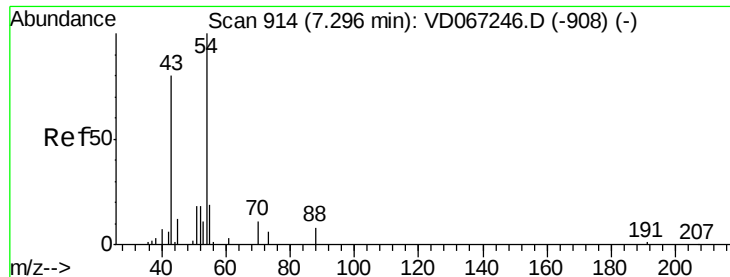
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.377 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89836		
110	39.5		19.6	58.7
77	30.6		24.6	37.0





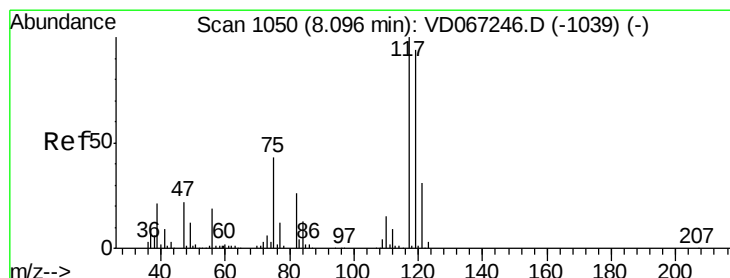
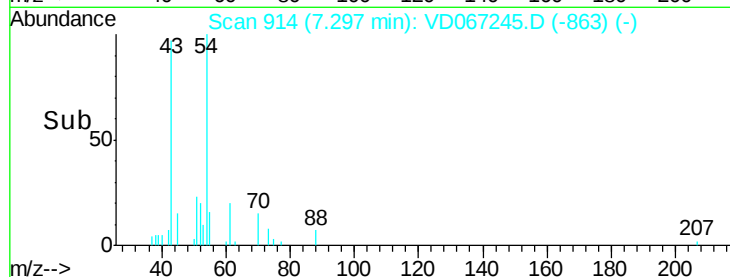
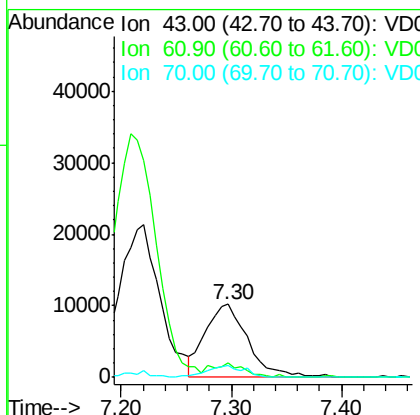
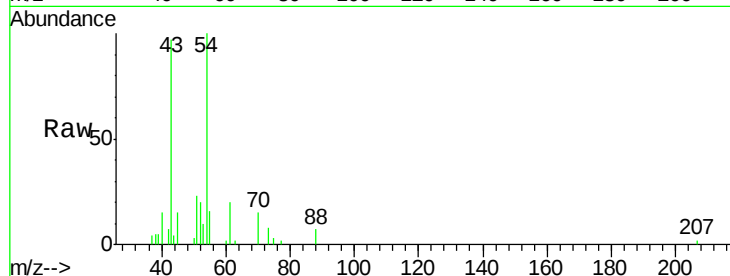
#37
Ethyl Acetate
Concen: 21.348 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	15.6	23.4#
70	13.8	10.4	15.6

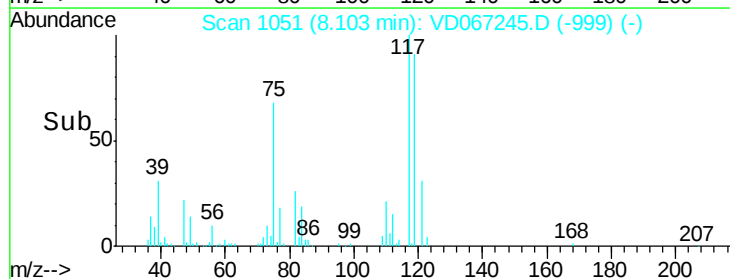
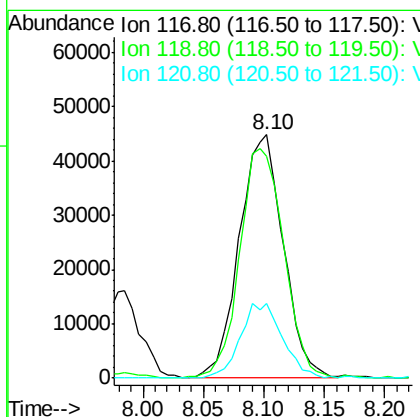
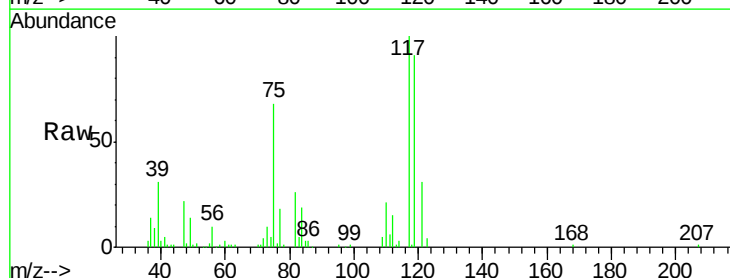
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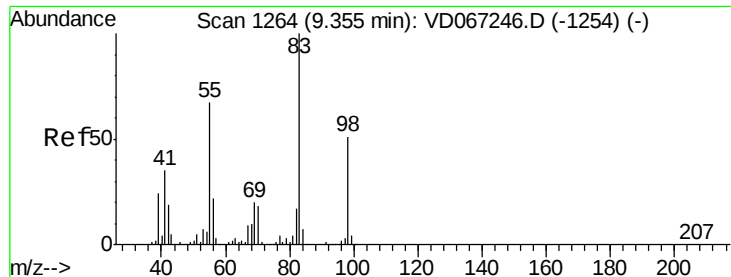
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#38
Carbon Tetrachloride
Concen: 20.153 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.0	112.4
121	30.7	24.9	37.3





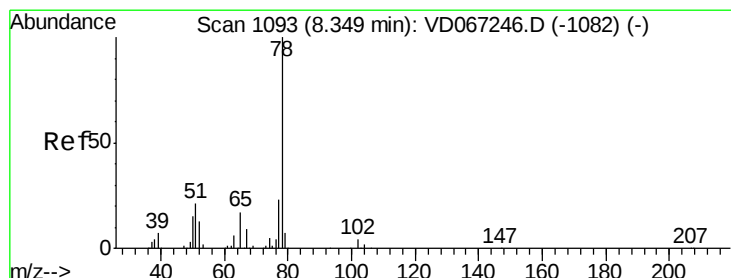
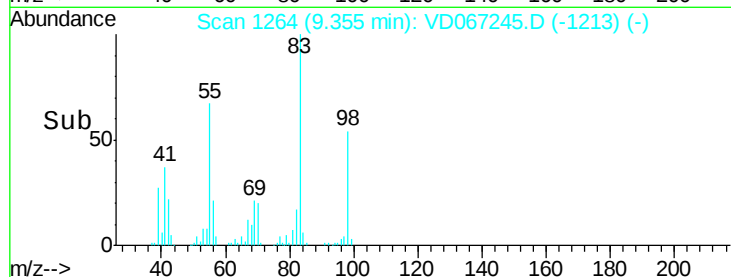
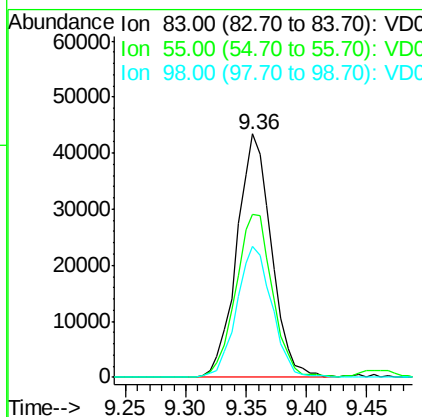
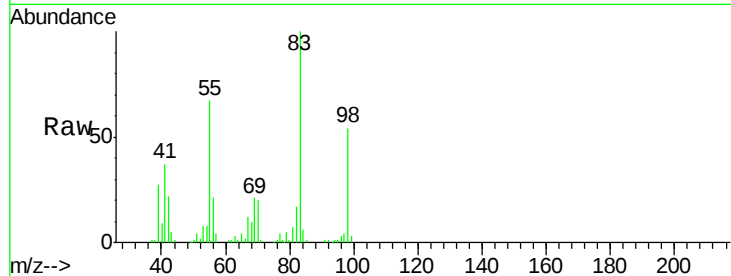
#39
Methvlcvclohexane
Concen: 19.186 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	86727		
55	66.8		53.3	79.9
98	53.8		41.0	61.4

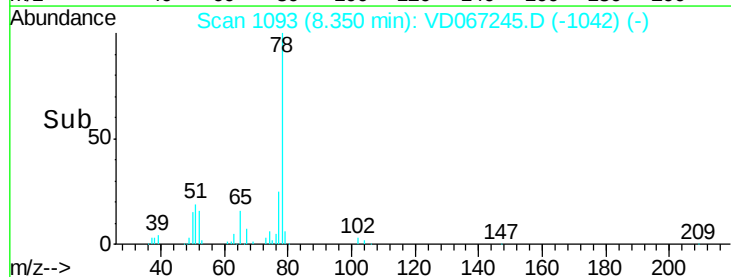
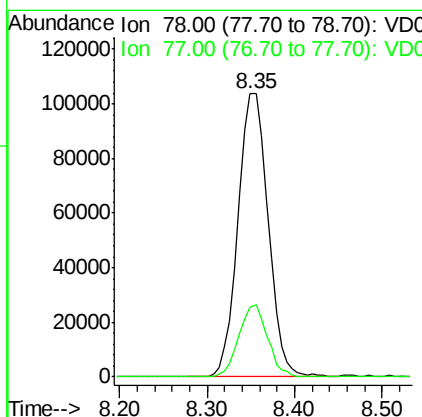
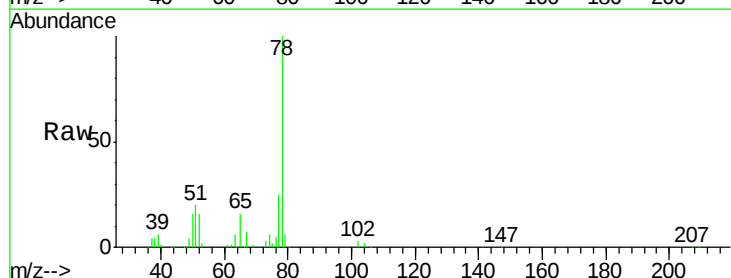
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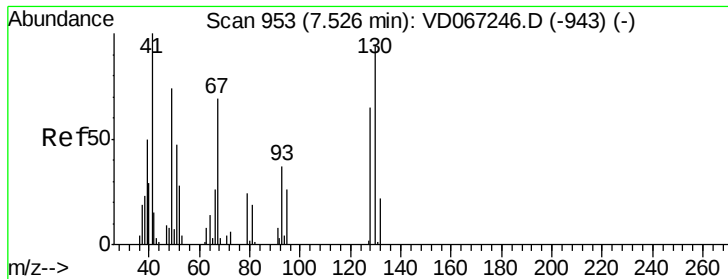
MMDadoda
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#40
Benzene
Concen: 19.967 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	242555		
77	24.6		18.3	27.5





#41

Methacrylonitrile

Concen: 26.598 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 14505

Ion Ratio Lower Upper

41 100

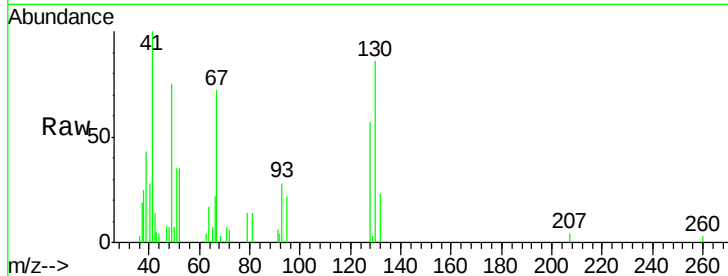
39 45.7 60.0 90.0#

67 93.3 88.9 133.3

52 37.0 36.9 55.3

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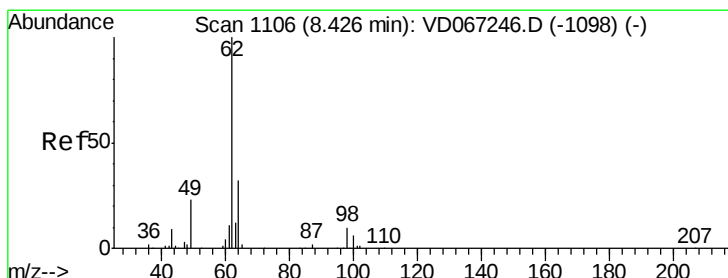
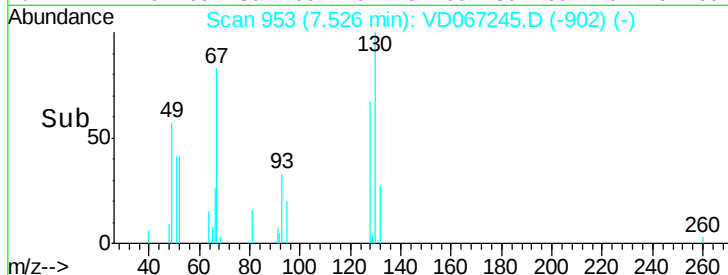
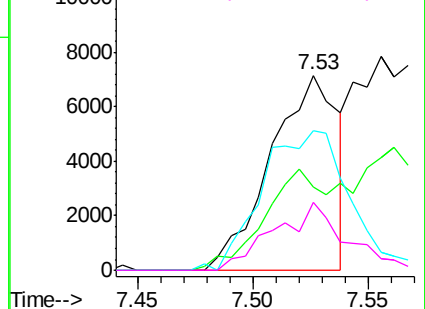


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.555 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067245.D

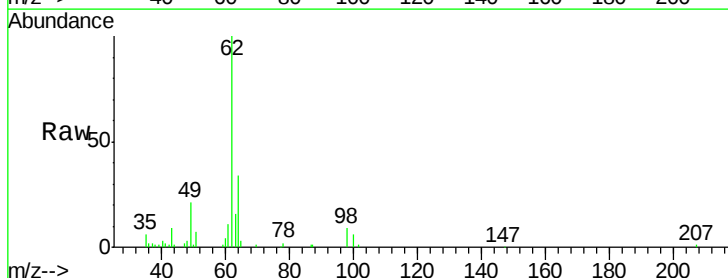
Acq: 13 Oct 2020 11:22

Tgt Ion: 62 Resp: 78014

Ion Ratio Lower Upper

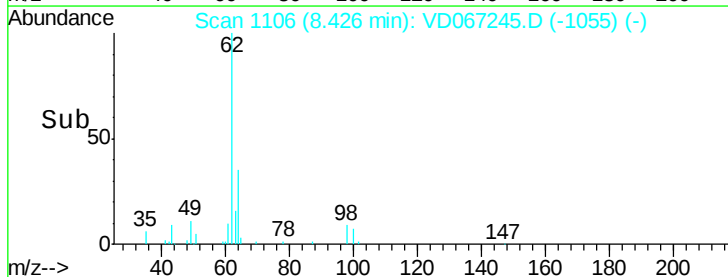
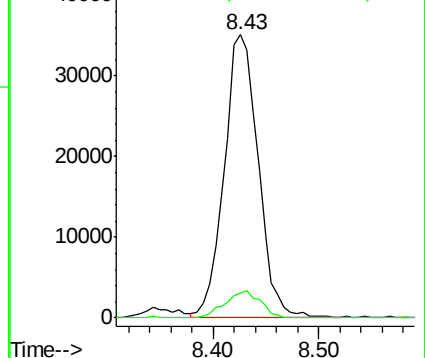
62 100

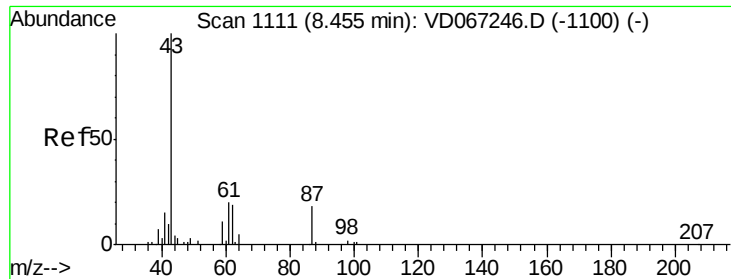
98 9.8 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





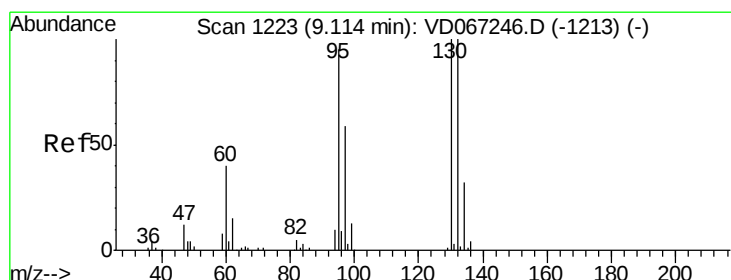
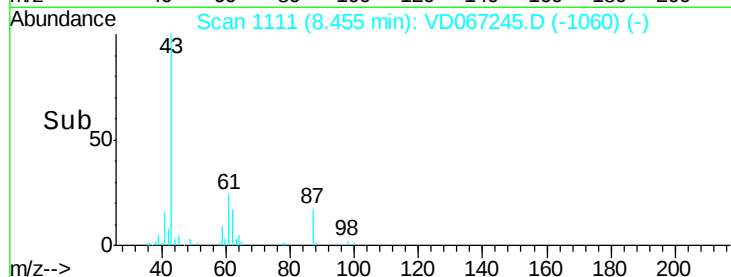
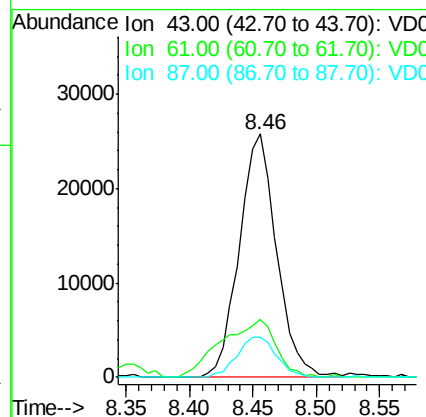
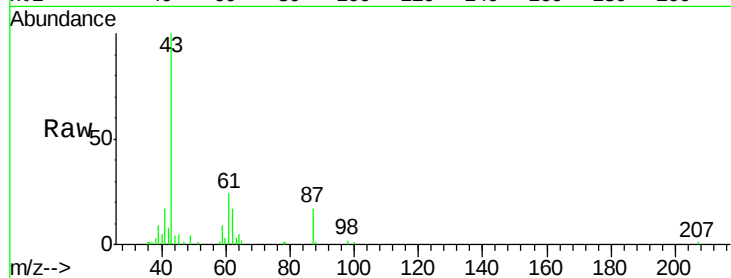
#43
Isopropyl Acetate
Concen: 21.124 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.7	29.5	44.3
87	17.5	14.2	21.4

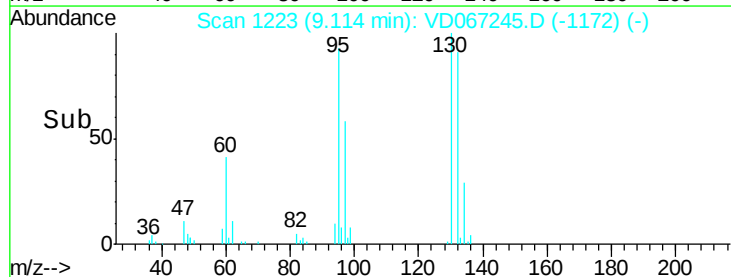
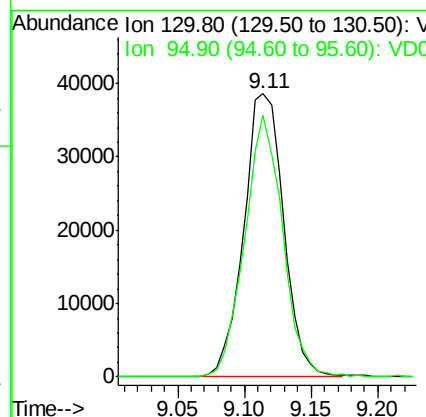
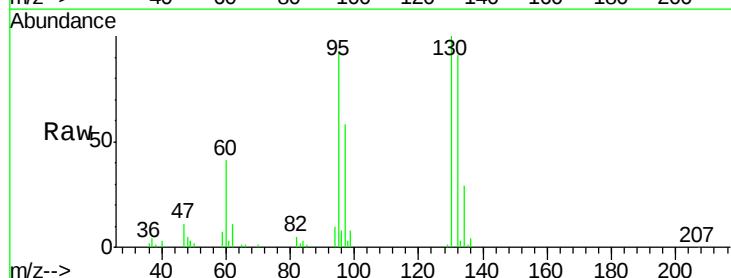
Manual Integrations
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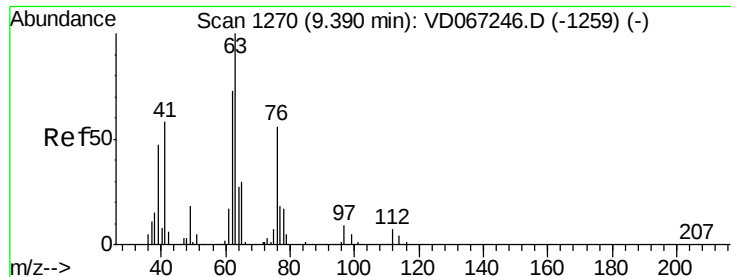
MMDadoda
10/14/2020 2:10:09 PM



#44
Trichloroethene
Concen: 20.541 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	190.6





#45

1,2-Dichloropropane

Concen: 20.556 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 57343

Ion Ratio Lower Upper

63 100

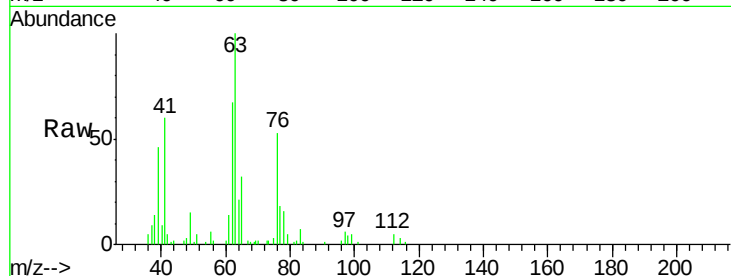
65 32.0 24.6 36.8

Manual Integrations

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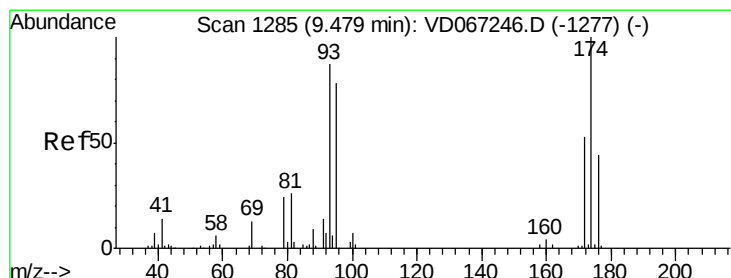
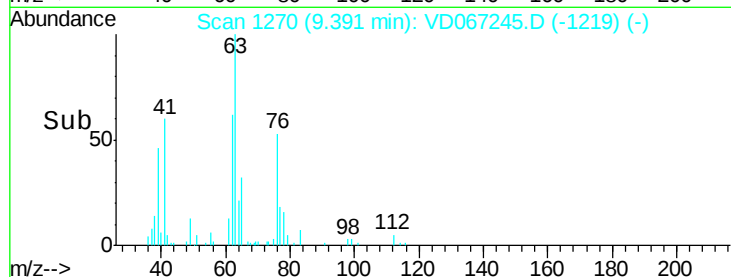
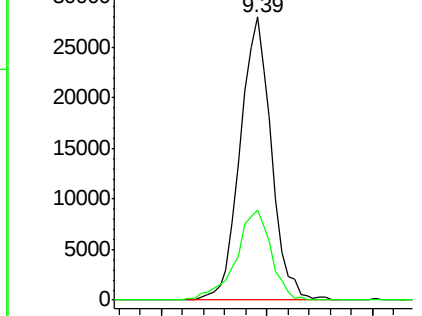
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.317 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

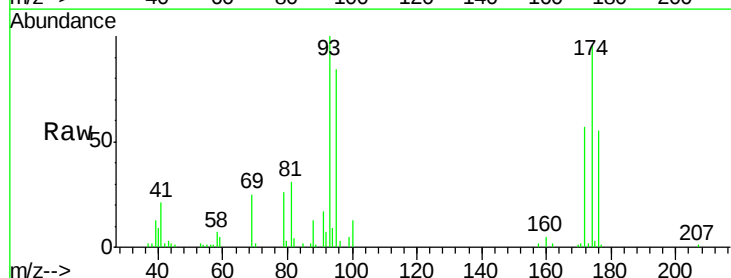
Tgt Ion: 93 Resp: 35683

Ion Ratio Lower Upper

93 100

95 81.5 68.0 102.0

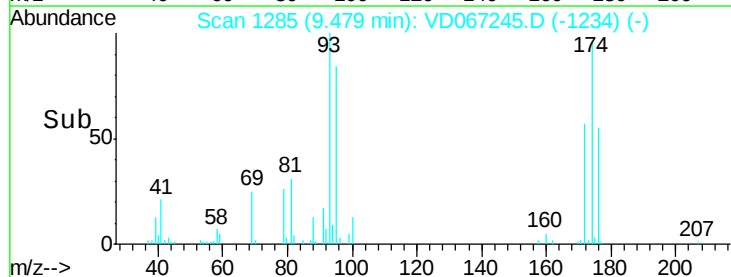
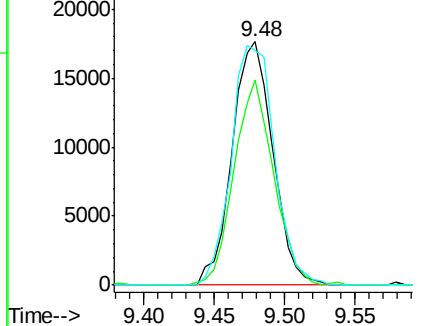
174 104.2 91.8 137.6

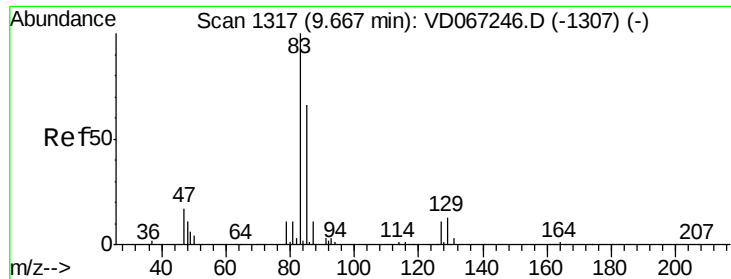


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





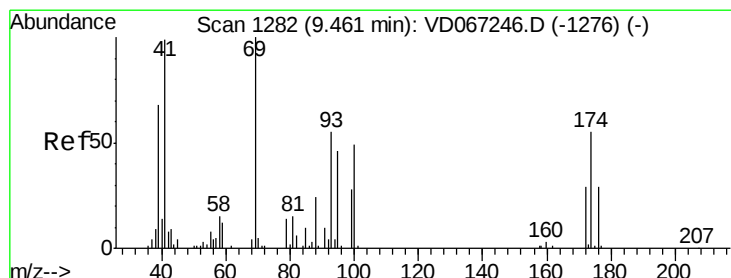
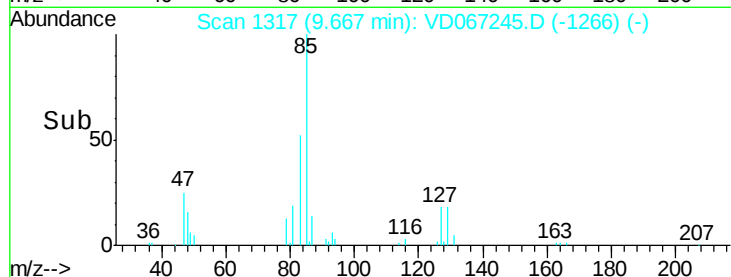
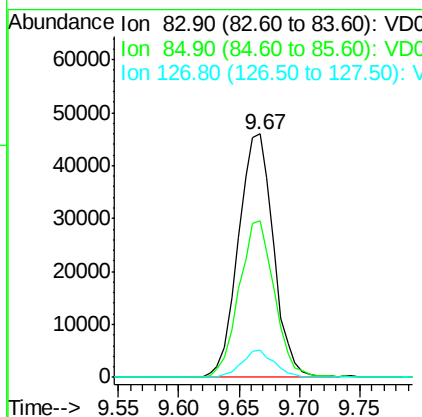
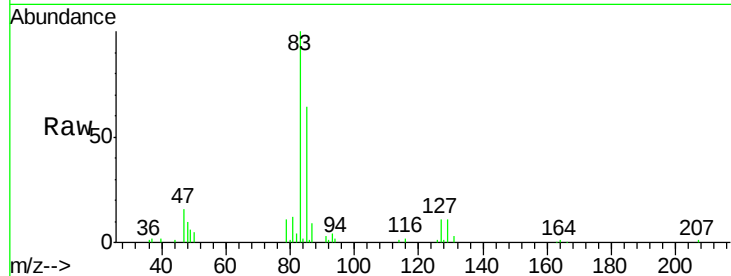
#47
Bromodichloromethane
Concen: 20.063 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	93318
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	53.1	79.7
127	11.3	8.6	13.0

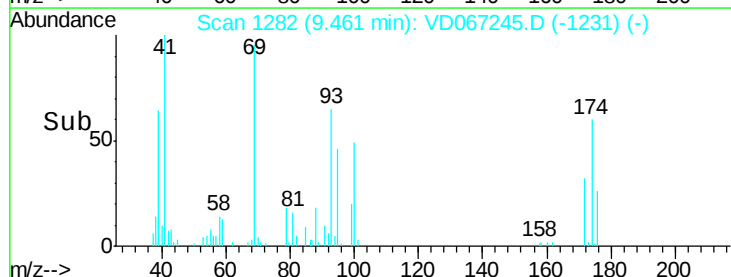
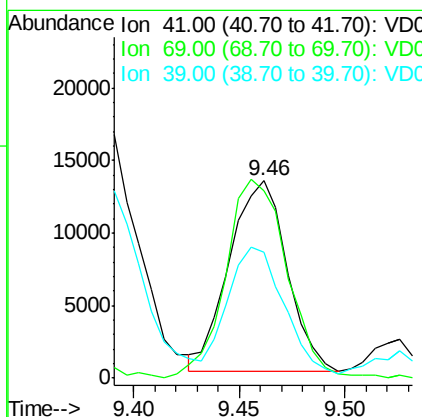
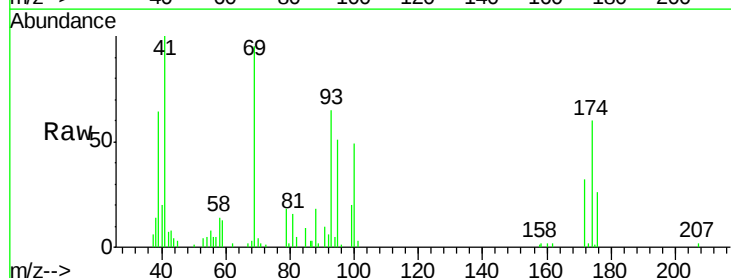
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#48
Methyl methacrylate
Concen: 20.308 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	41	Resp	24778
Ion Ratio	100	Lower	Upper
41	100		
69	112.4	89.0	133.6
39	69.0	60.2	90.2





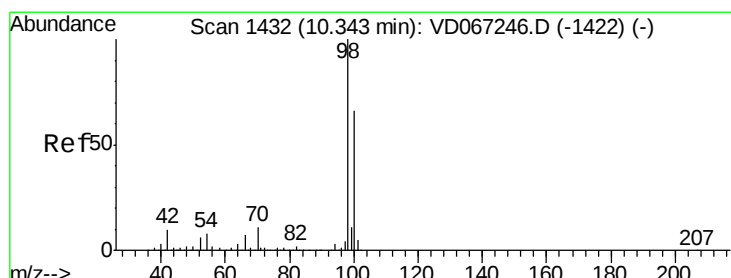
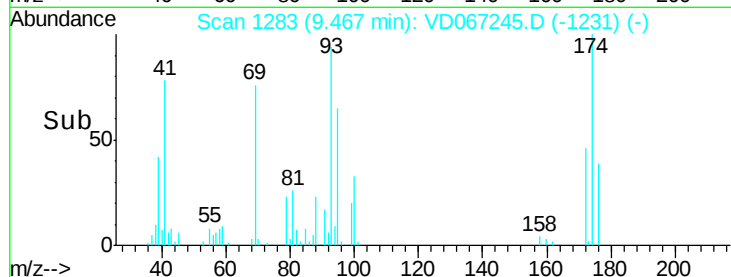
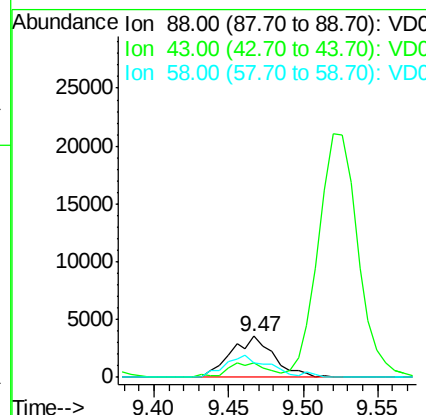
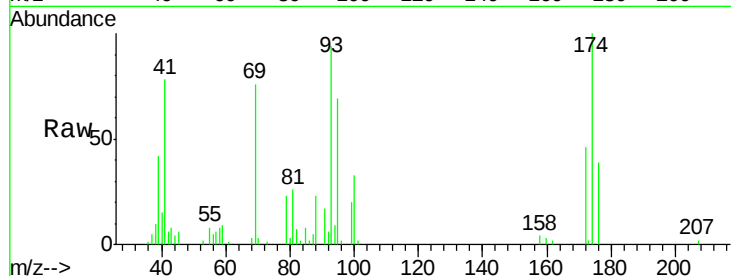
#49
1,4-Dioxane
Concen: 380.152 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	23.9	35.9
58	53.2	51.0	76.6

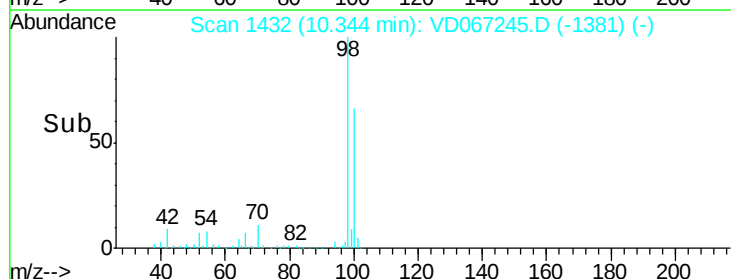
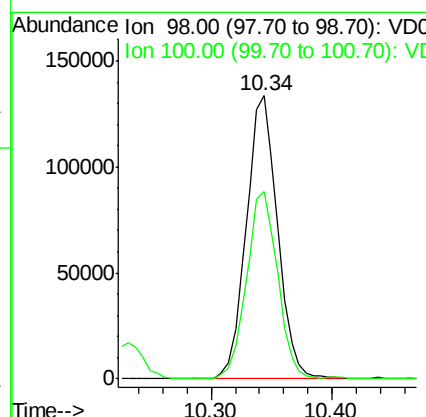
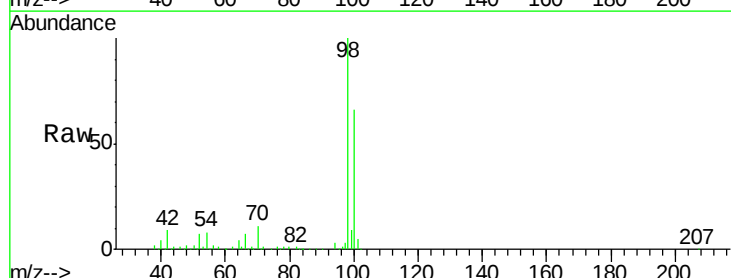
Manual Integrations
APPROVED

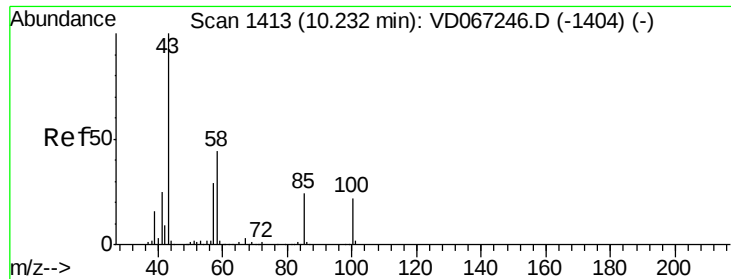
MMDadoda
10/14/2020 2:10:09 PM



#50
Toluene-d8
Concen: 19.740 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.1	79.7





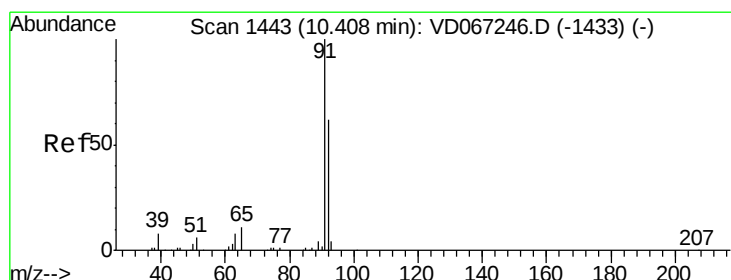
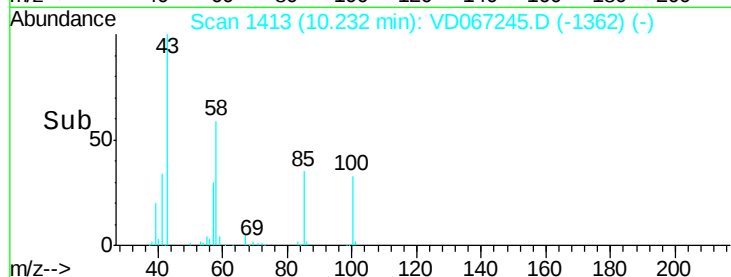
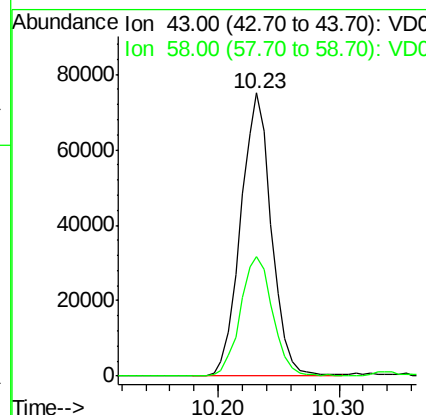
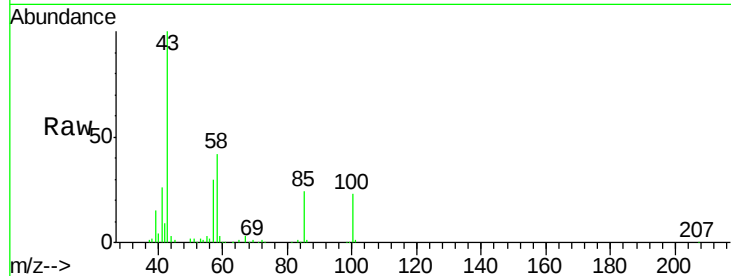
#51
4-Methyl-2-Pentanone
Concen: 104.810 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 133202
Ion Ratio Lower Upper
43 100
58 44.1 35.7 53.5

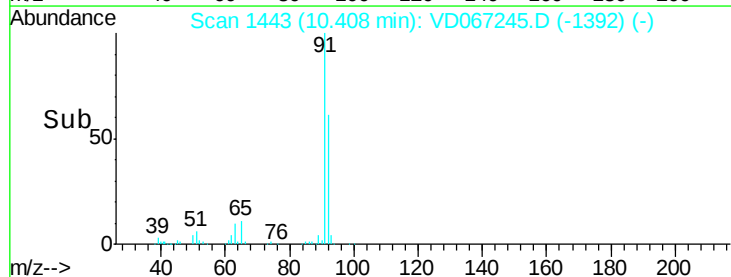
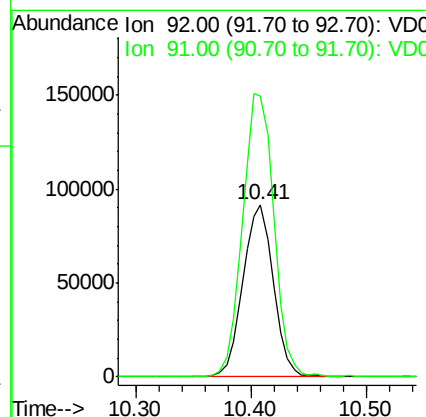
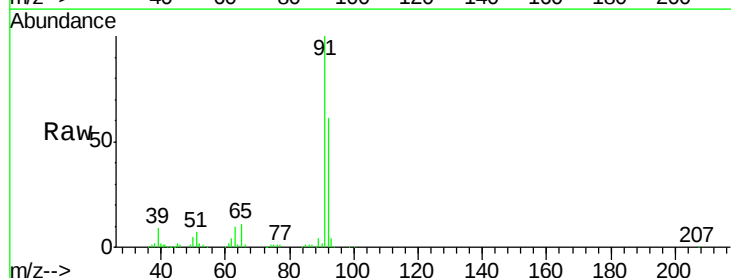
Manual Integrations
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10/14/2020 2:10:09 PM



#52
Toluene
Concen: 20.443 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 92 Resp: 168108
Ion Ratio Lower Upper
92 100
91 168.8 133.8 200.8





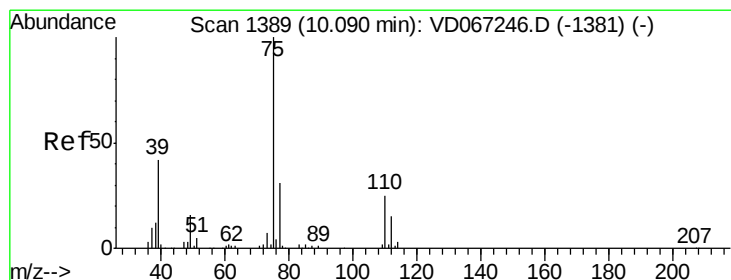
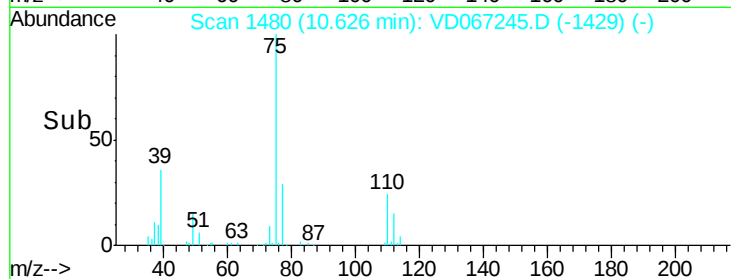
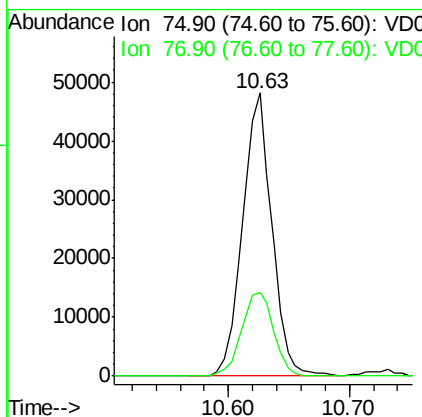
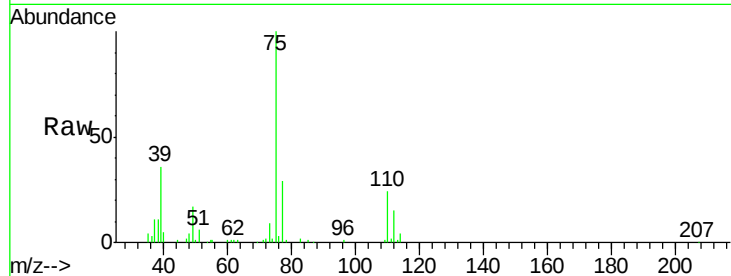
#53
 t-1,3-Dichloropropene
 Concen: 20.172 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	26.5	39.7

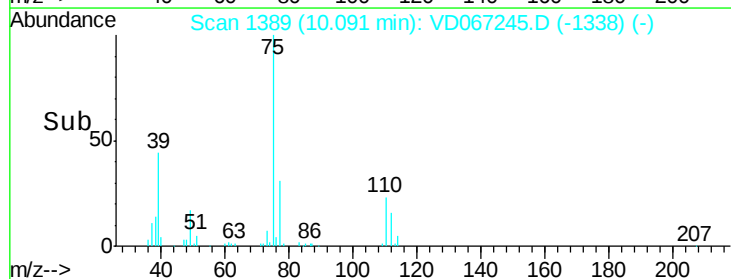
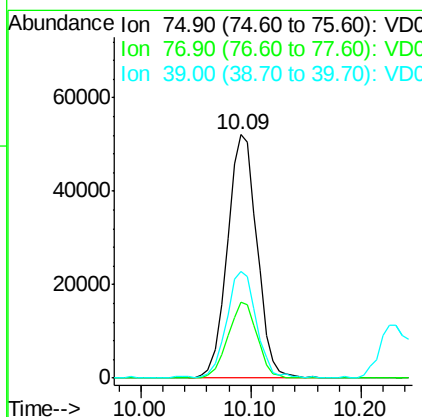
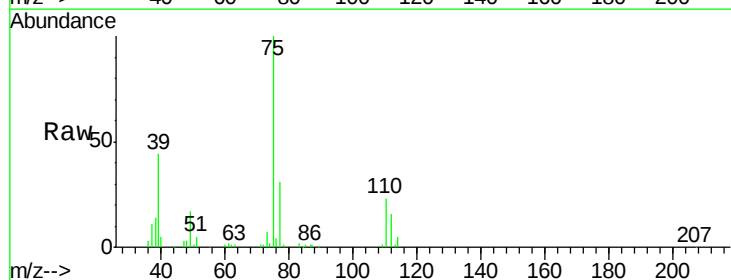
Manual Integrations
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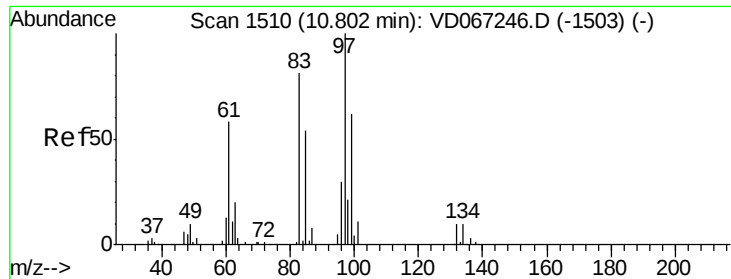
MMDadoda
 10/14/2020 2:10:09 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.690 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.5	36.7
39	43.6	33.7	50.5





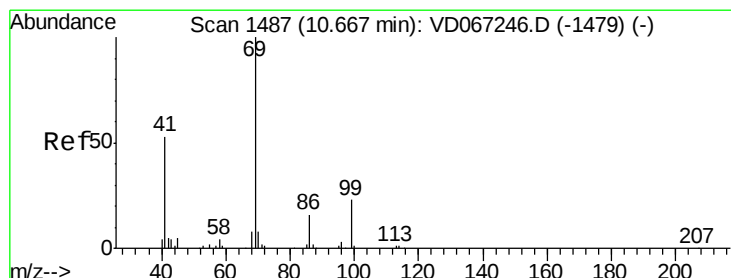
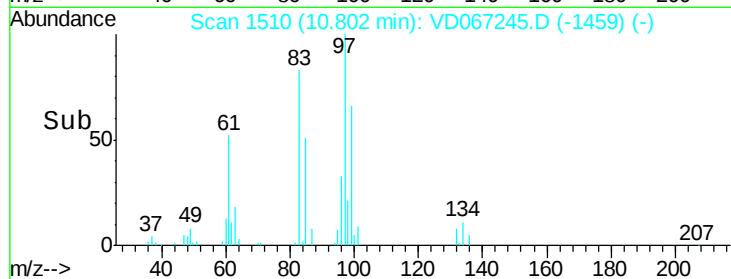
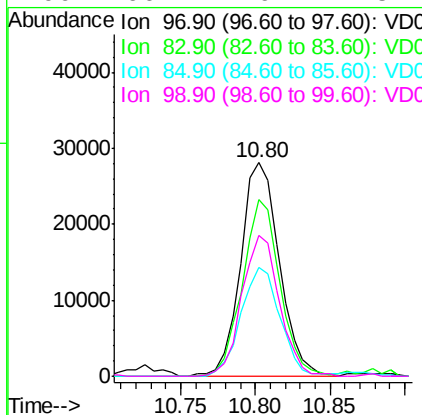
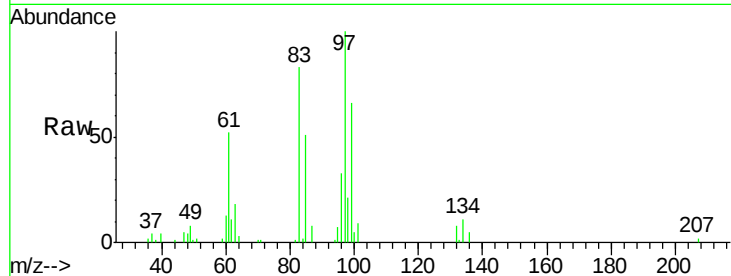
#55
 1,1,2-Trichloroethane
 Concen: 20.967 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		50564		
83	83.0	64.9	97.3		
85	51.2	43.3	64.9		
99	66.2	49.1	73.7		

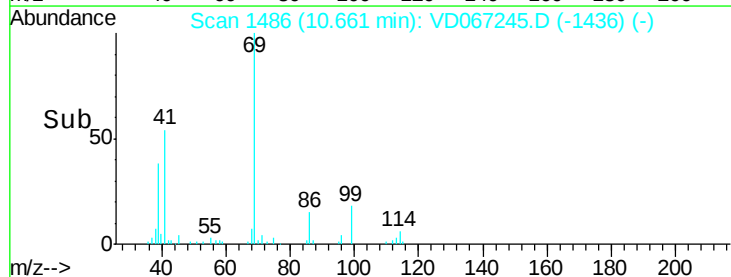
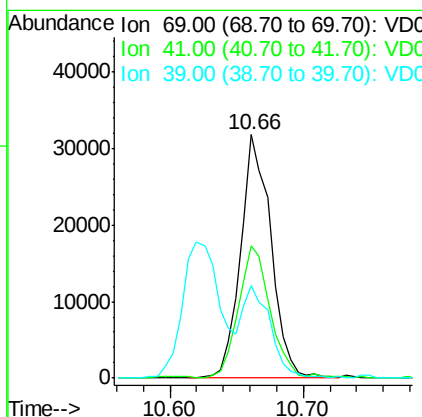
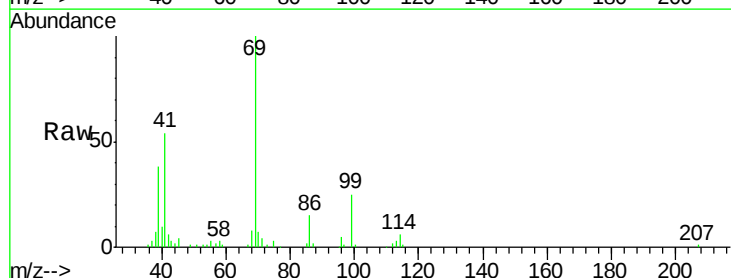
Manual Integrations
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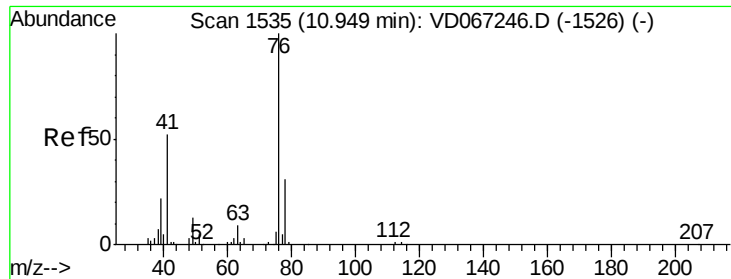
MMDadoda
 10/14/2020 2:10:09 PM



#56
 Ethyl methacrylate
 Concen: 21.223 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		50008		
41	57.3	44.7	67.1		
39	34.5	26.2	39.2		





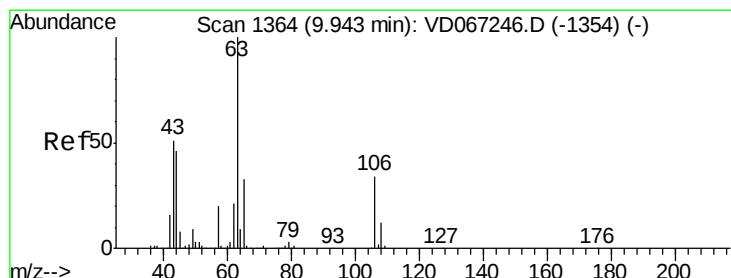
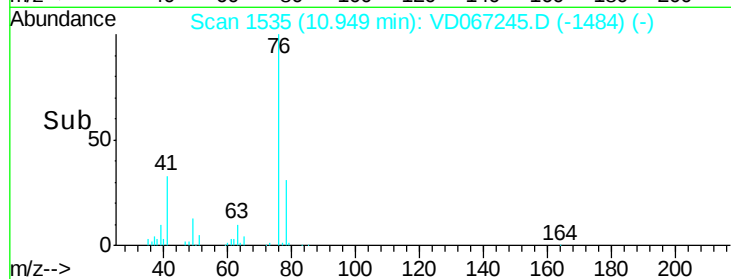
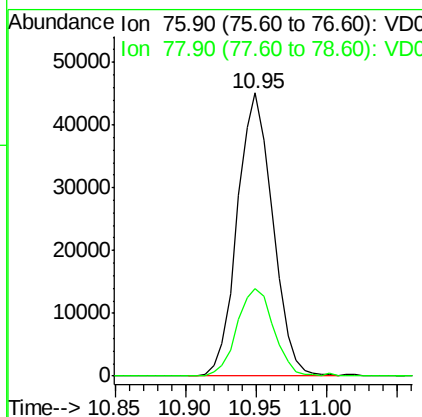
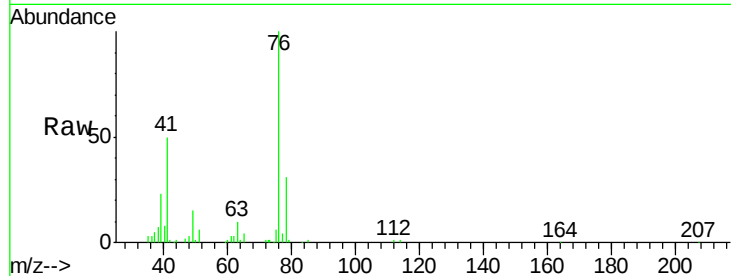
#57
 1,3-Dichloropropane
 Concen: 21.001 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.8	40.2

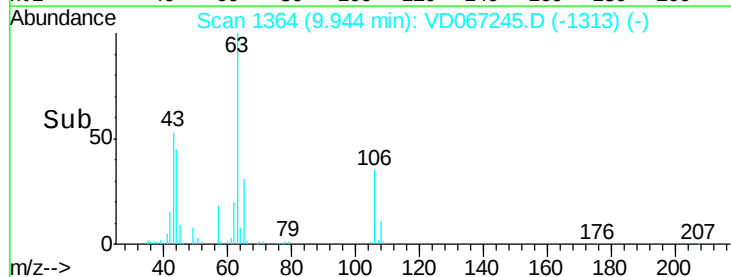
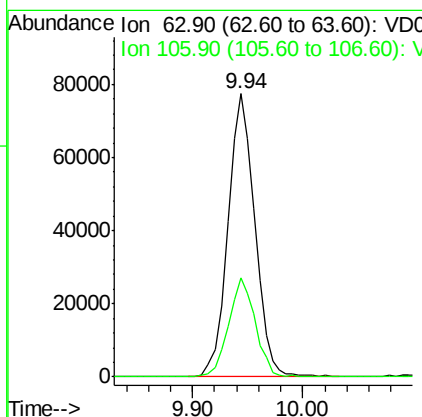
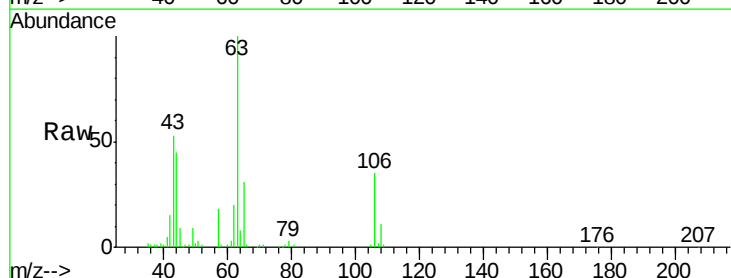
Manual Integrations
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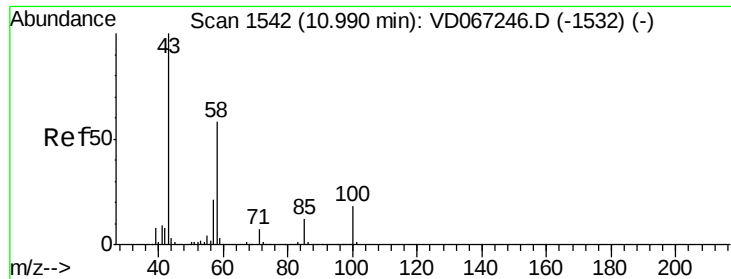
MMDadoda
 10/14/2020 2:10:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.247 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.7	27.8	41.6





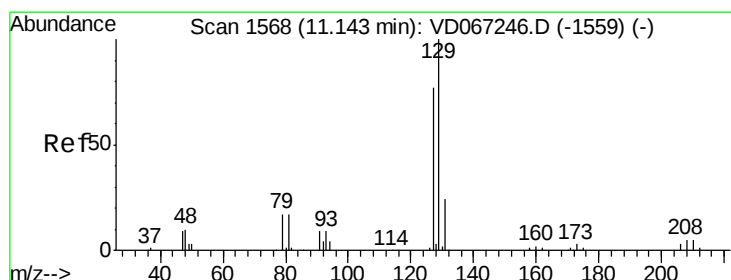
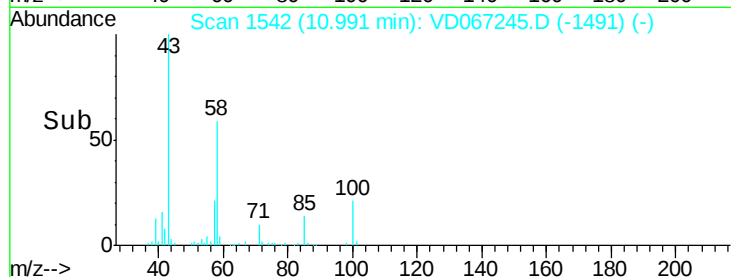
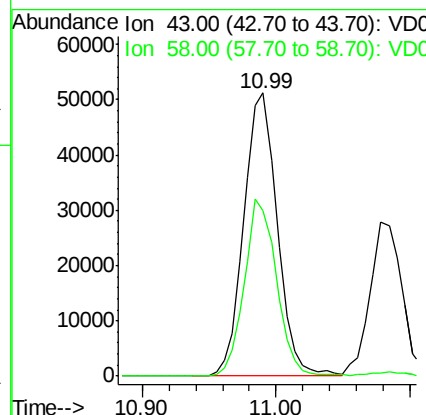
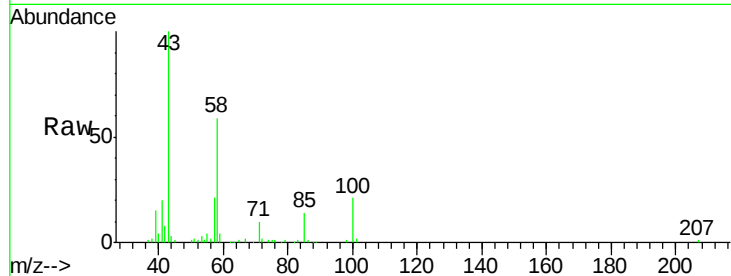
#59
2-Hexanone
Concen: 103.834 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.0	29.3	87.9

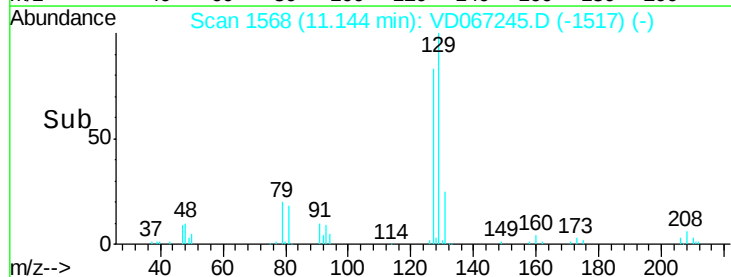
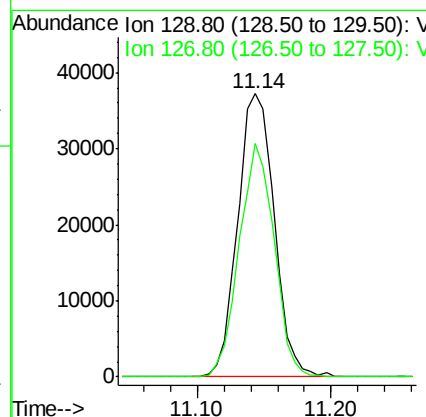
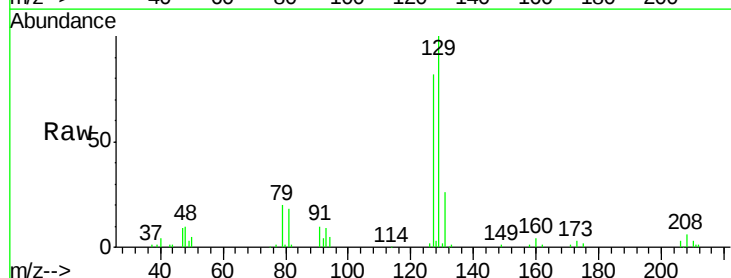
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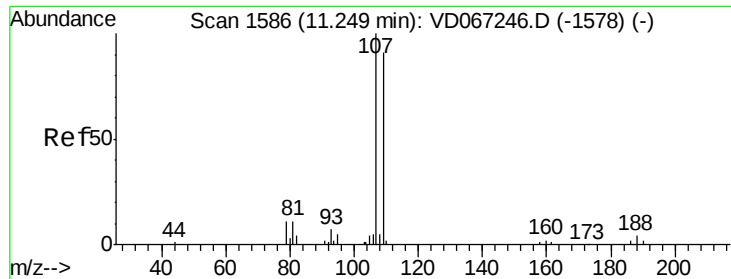
MMDadoda
10/14/2020 2:10:09 PM



#60
Dibromochloromethane
Concen: 20.287 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.3	114.8





#61

1,2-Dibromoethane

Concen: 20.547 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 48240

Ion Ratio Lower Upper

107 100

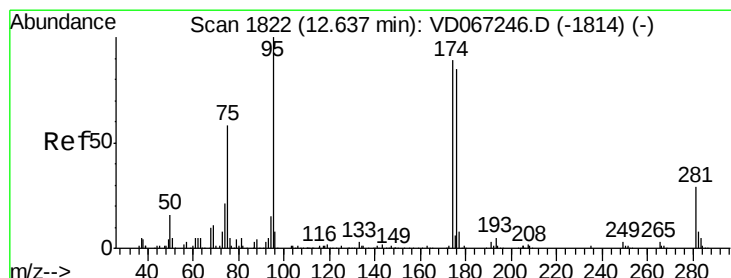
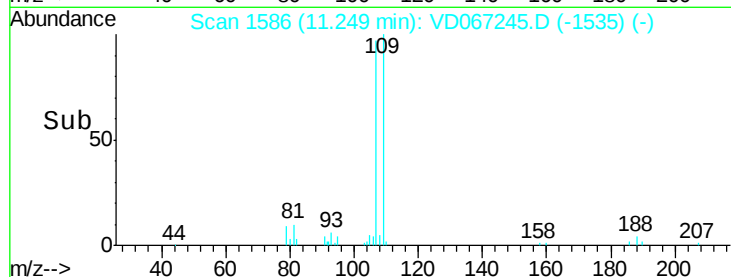
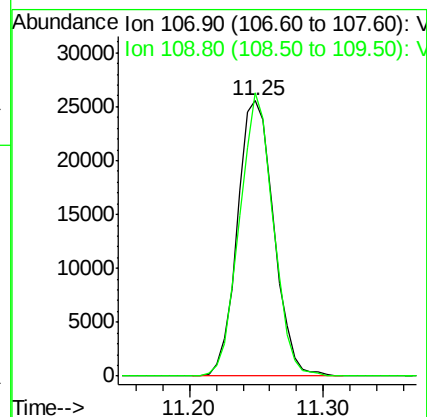
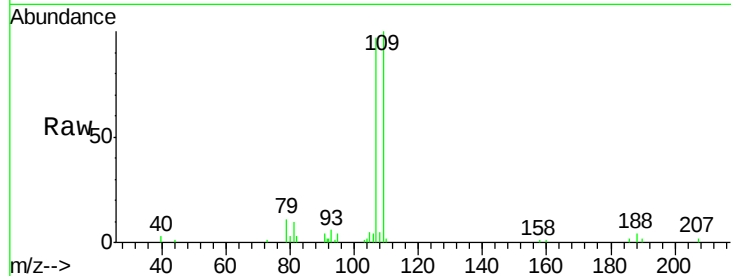
109 95.1 74.6 112.0

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#62

4-Bromofluorobenzene

Concen: 20.118 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

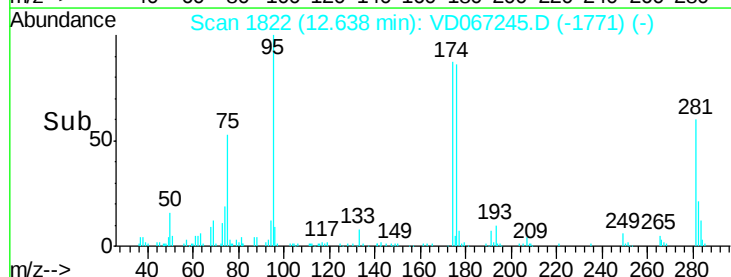
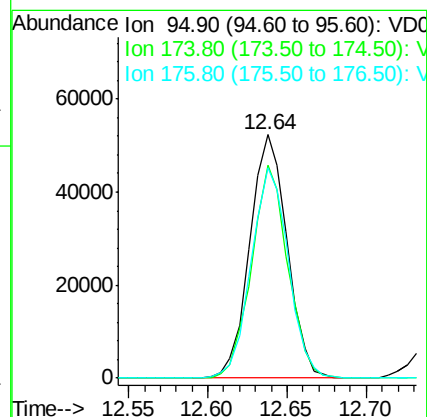
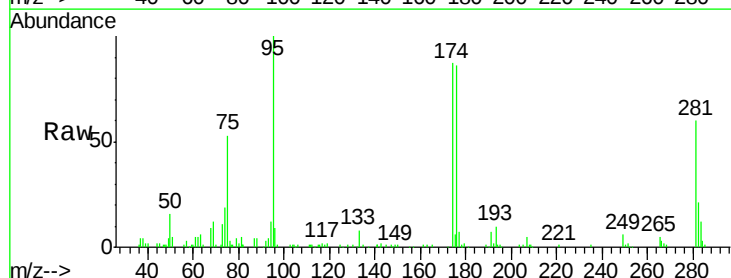
Tgt Ion: 95 Resp: 85649

Ion Ratio Lower Upper

95 100

174 84.7 0.0 175.2

176 86.2 0.0 168.6





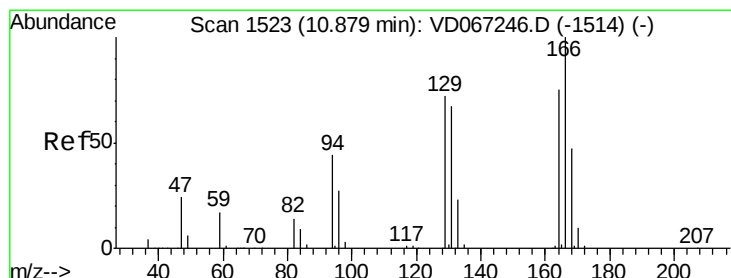
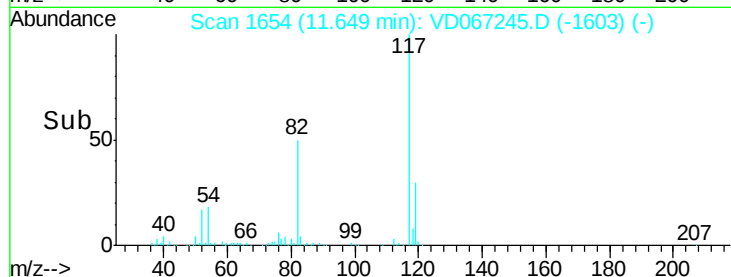
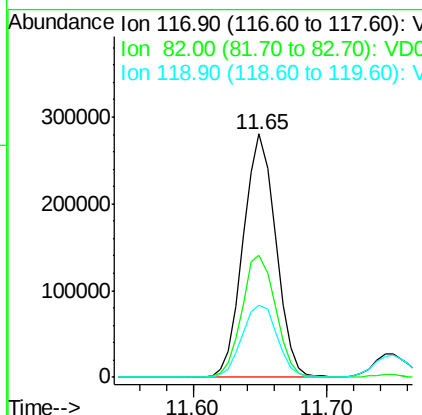
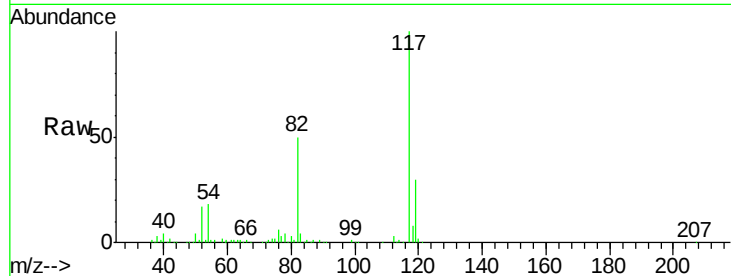
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	39.9	59.9
119	29.8	24.9	37.3

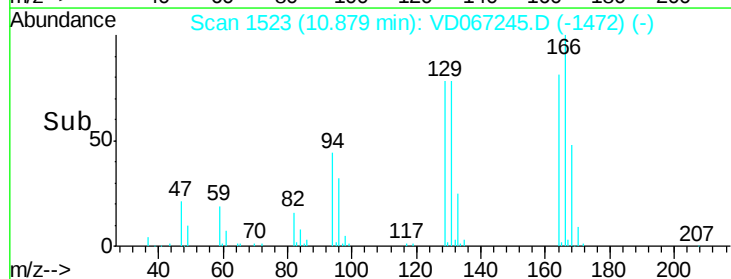
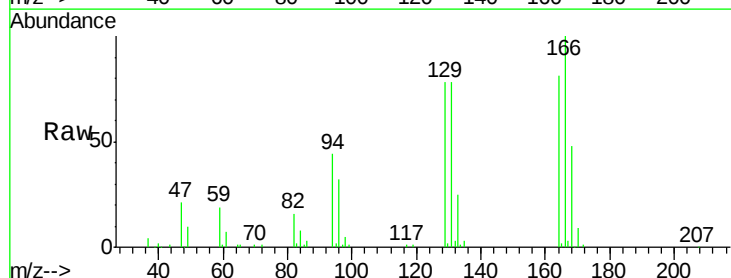
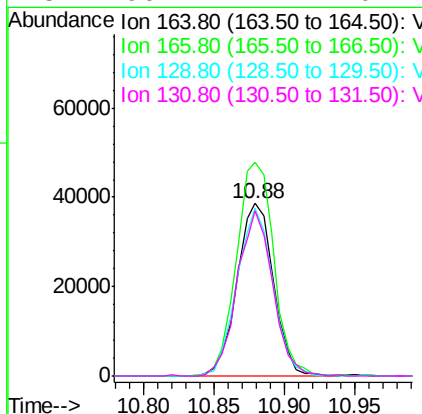
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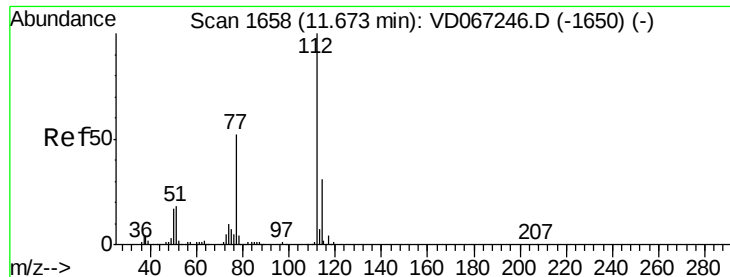
MMDadoda
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#64
Tetrachloroethene
Concen: 19.282 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	107.3	160.9
129	97.0	77.3	115.9
131	96.1	71.4	107.2





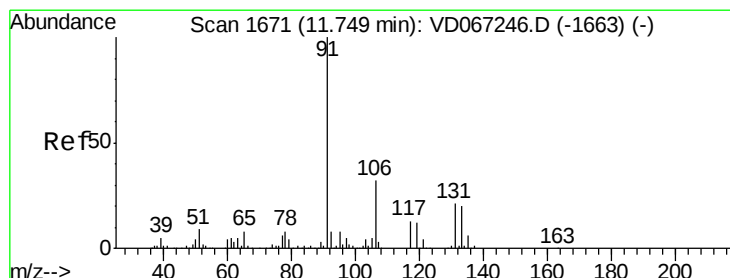
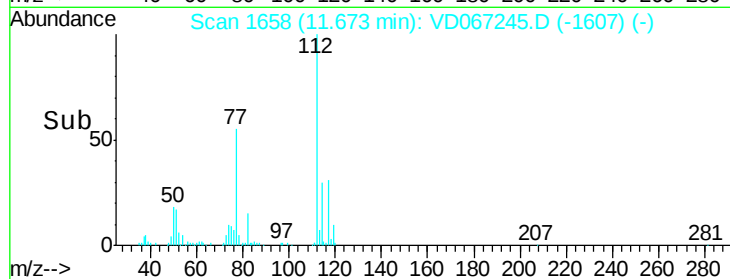
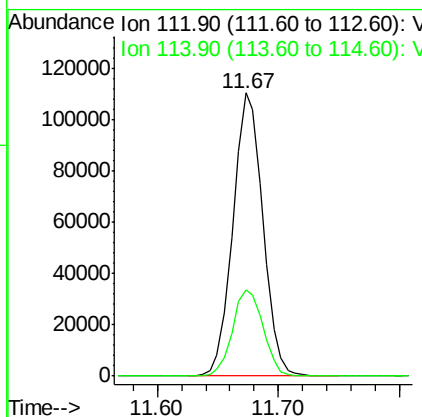
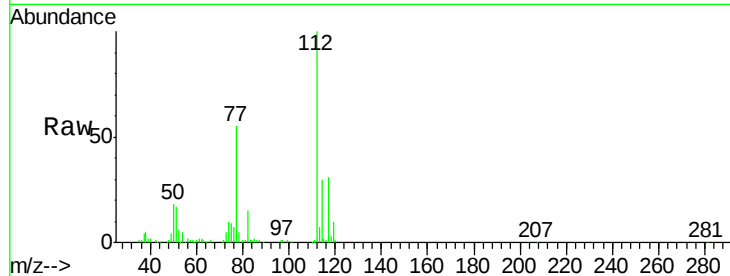
#65
Chlorobenzene
Concen: 20.235 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.4	25.0	37.4

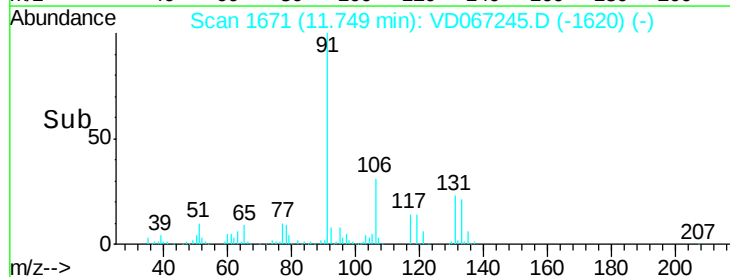
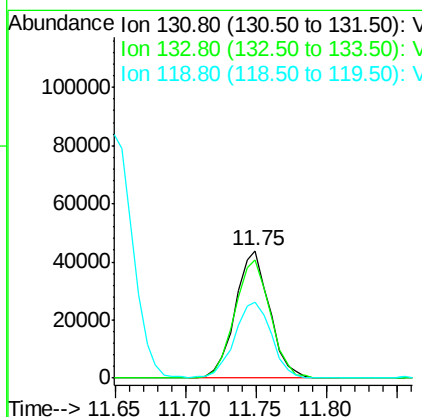
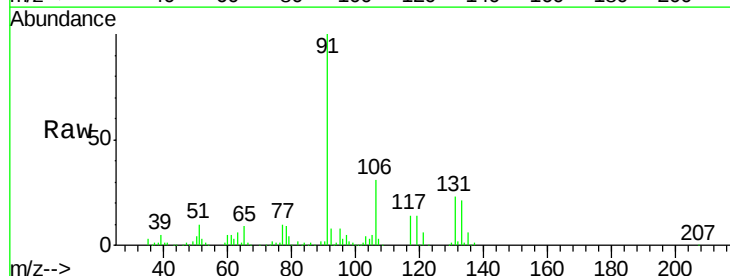
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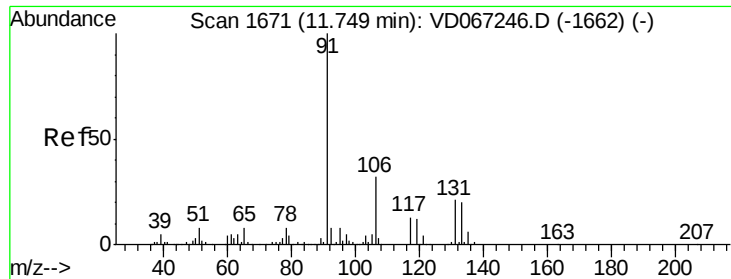
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.770 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.1	144.3
119	64.3	30.0	90.0





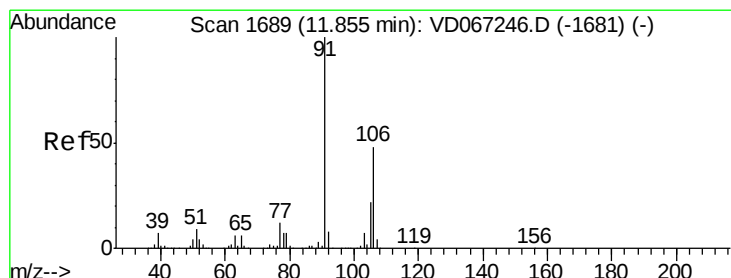
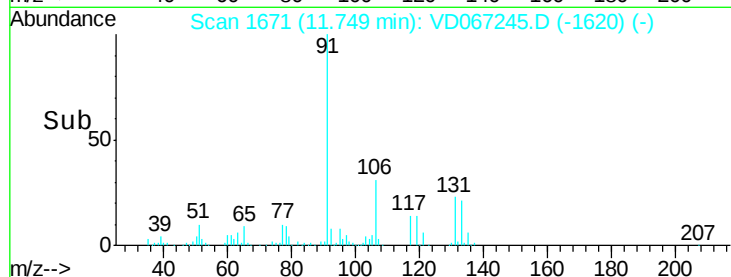
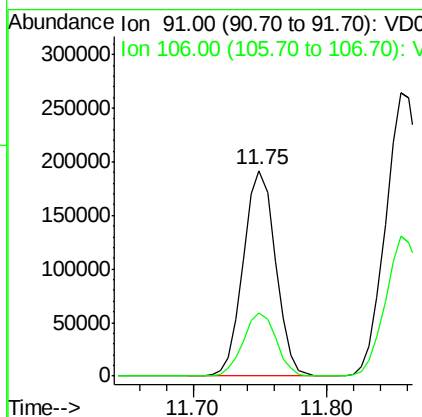
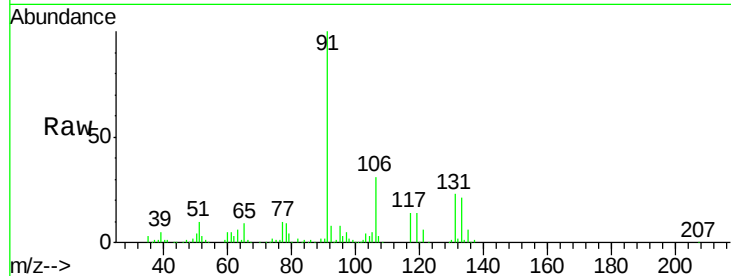
#67
Ethyl Benzene
Concen: 20.218 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 321199
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.0

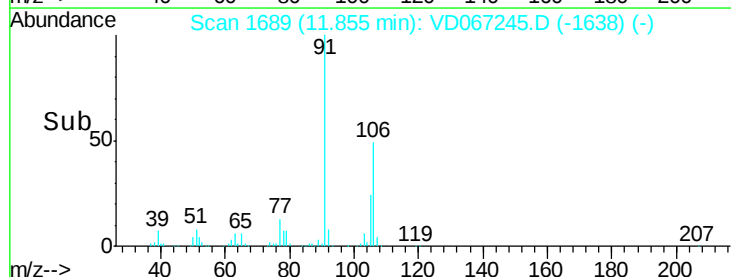
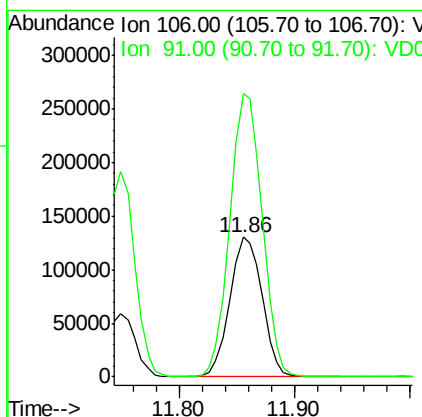
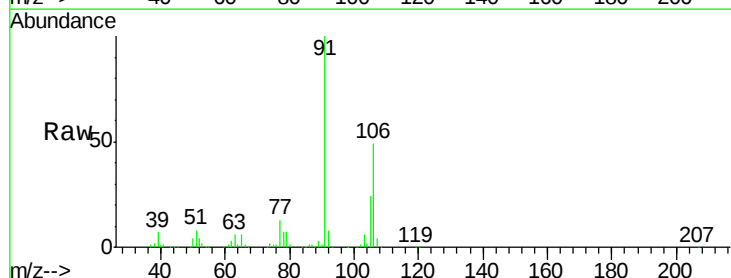
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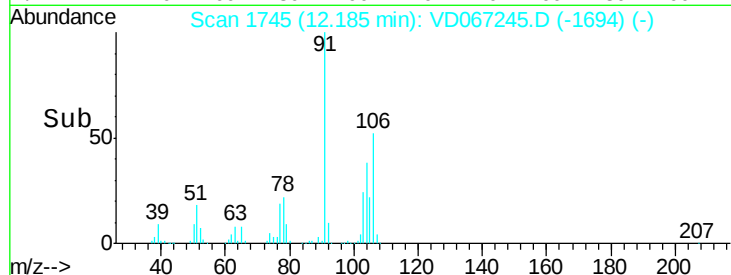
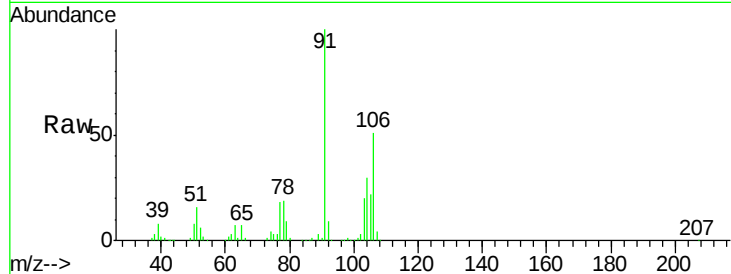
MMDadoda
10/14/2020 2:10:09 PM



#68
m/p-Xylenes
Concen: 40.979 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 106 Resp: 252940
Ion Ratio Lower Upper
106 100
91 202.8 163.8 245.8





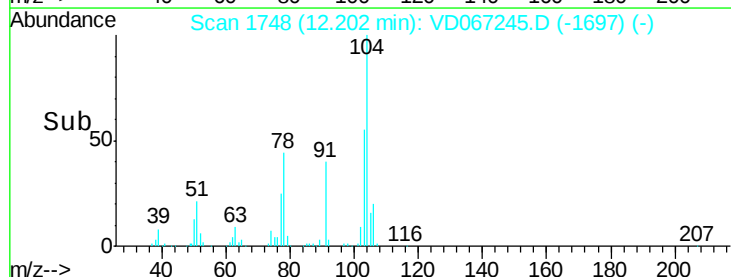
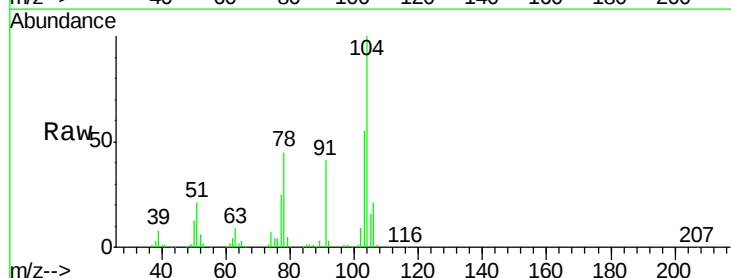
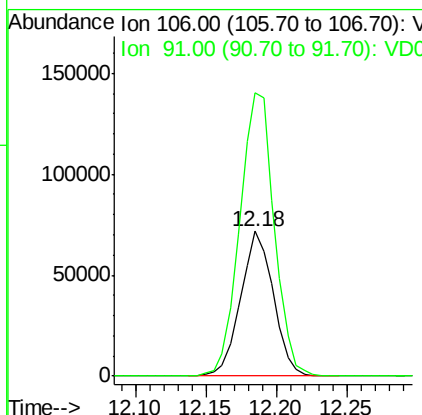
#69
o-Xylene
Concen: 20.428 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	116585		
91	91	205.5	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

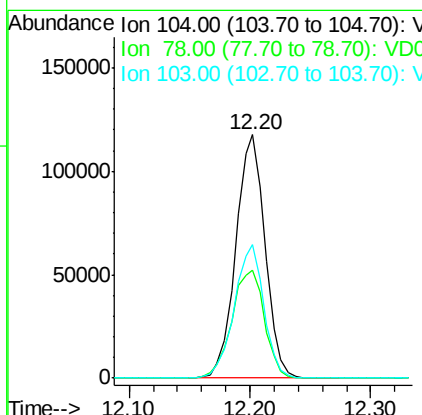
Manual Integrations
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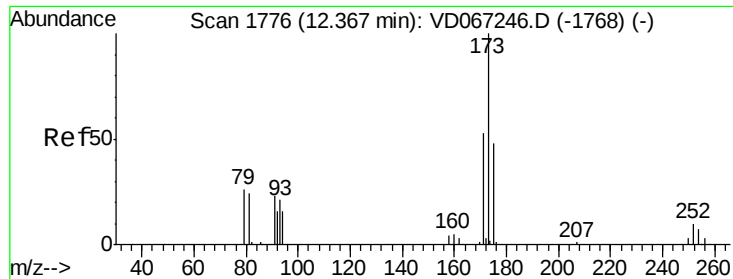
MMDadoda
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#70
Styrene
Concen: 20.270 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	198780		
78	78	49.3	39.8	59.6	
103	103	55.4	42.6	64.0	





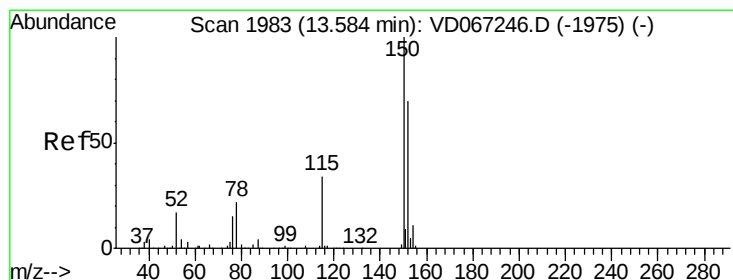
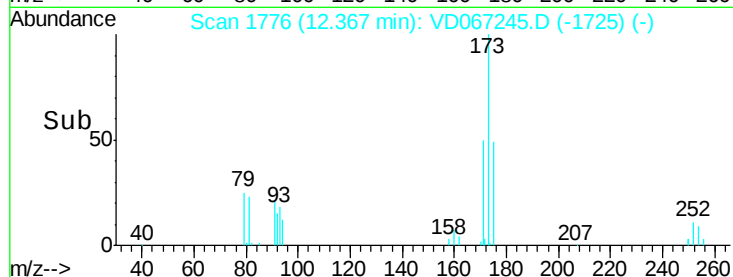
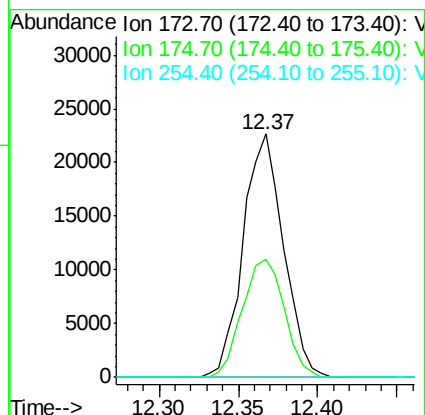
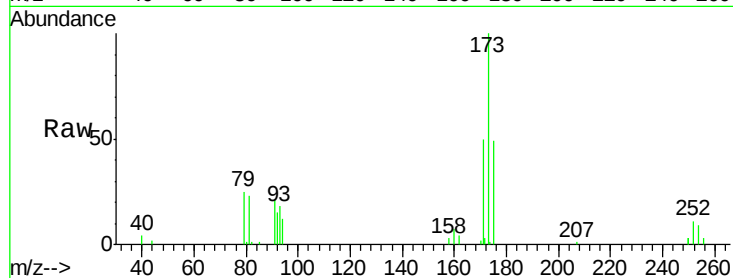
#71
Bromoform
Concen: 19.942 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.2	72.6
254	0.0	0.1	0.1#

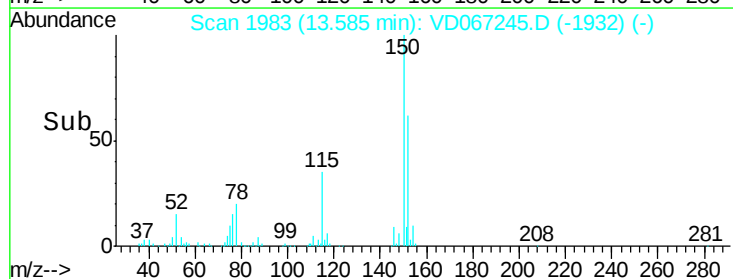
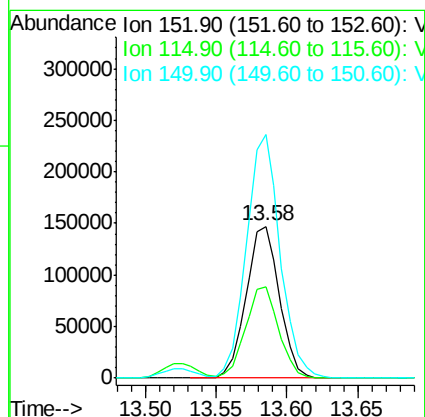
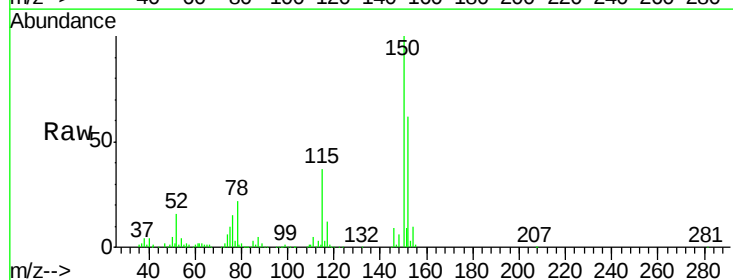
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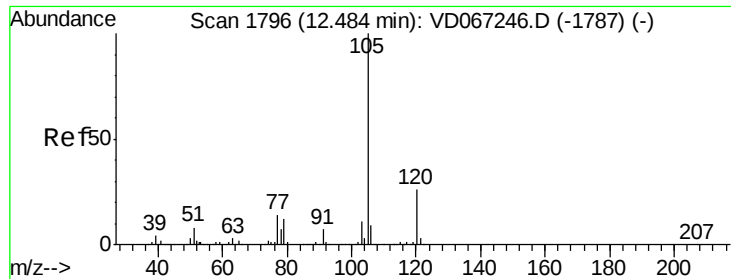
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.3	87.9
150	163.2	0.0	339.0





#73

Isopropylbenzene

Concen: 20.531 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 317715

Ion Ratio Lower Upper

105 100

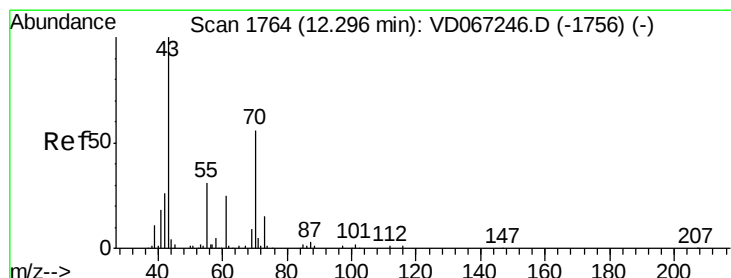
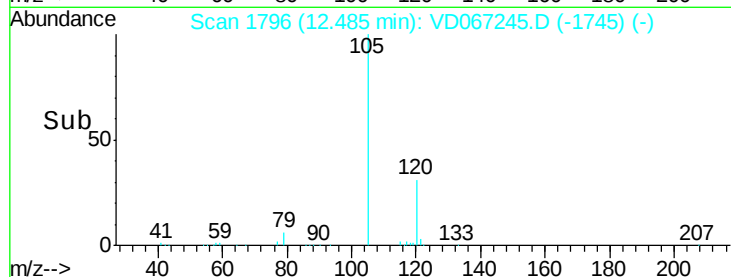
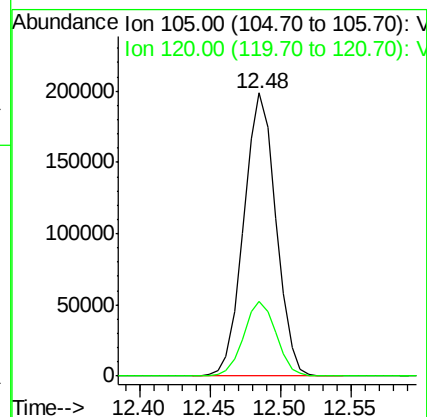
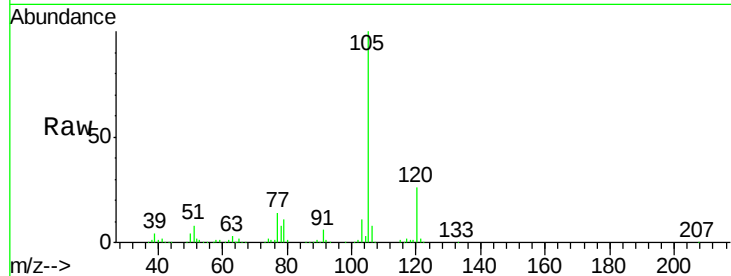
120 26.6 13.3 39.8

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#74

N-ethyl acetate

Concen: 20.484 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Tgt Ion: 43 Resp: 47211

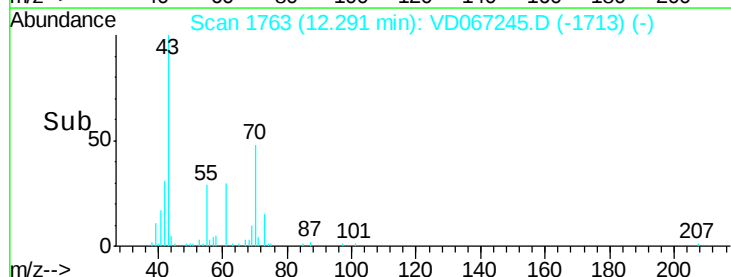
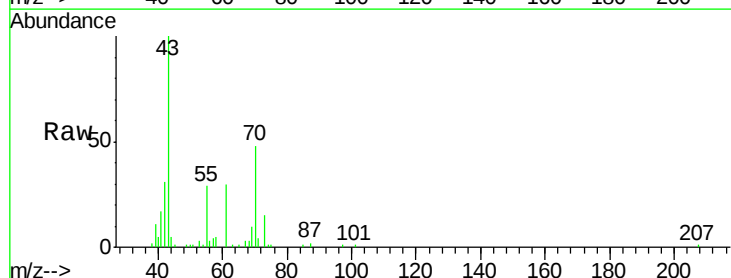
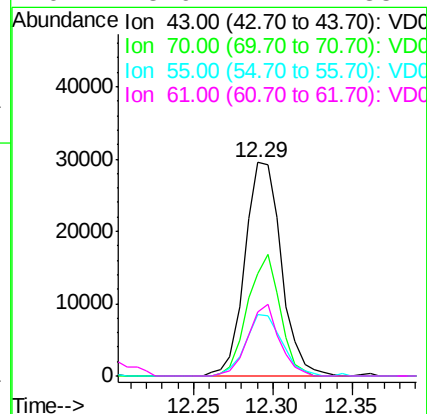
Ion Ratio Lower Upper

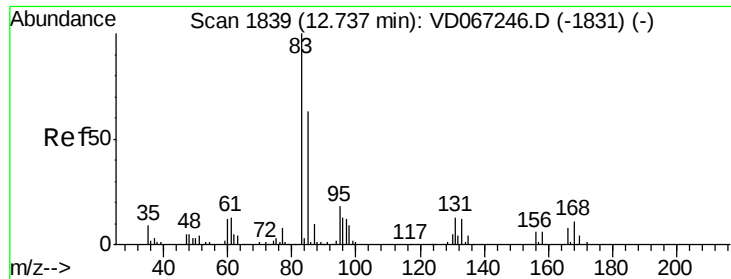
43 100

70 50.5 42.7 64.1

55 29.0 24.0 36.0

61 28.9 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.248 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

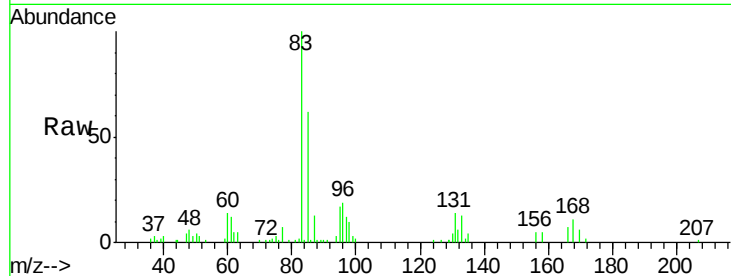
ClientSampleId :

VSTDIC020

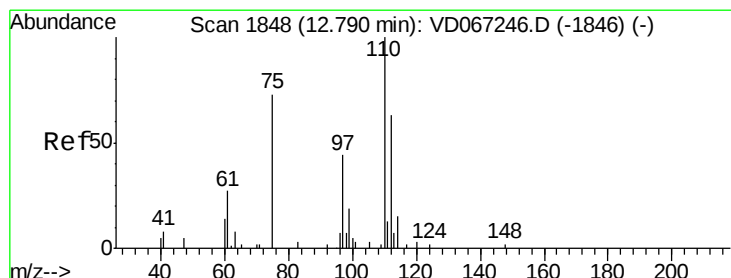
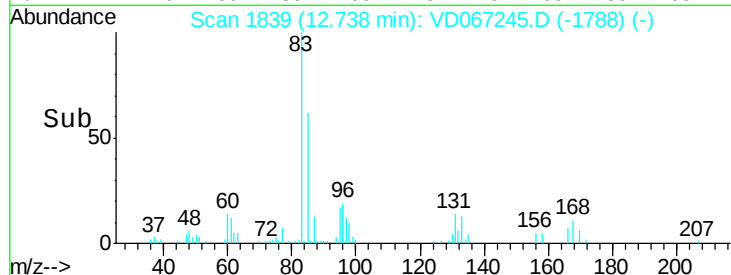
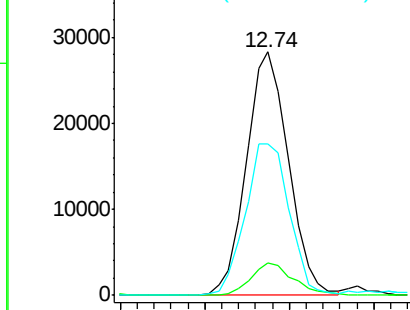
Tot Ion:	83	Resp:	48985
Ion Ratio	Lower	Upper	
83	100		
131	13.5	6.5	19.5
85	65.1	32.6	97.7

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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: 22.562 ug/l m

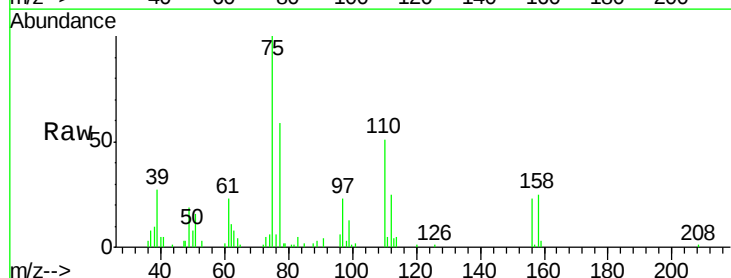
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

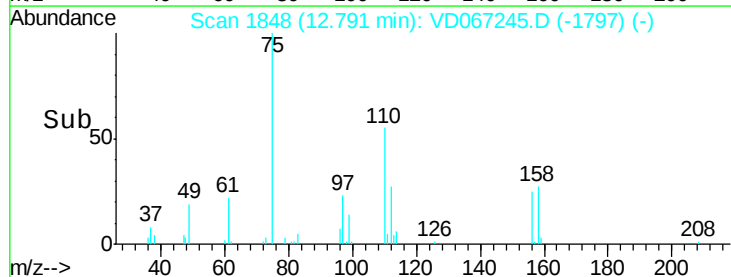
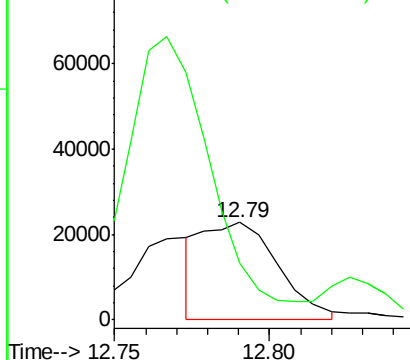
Lab File: VD067245.D

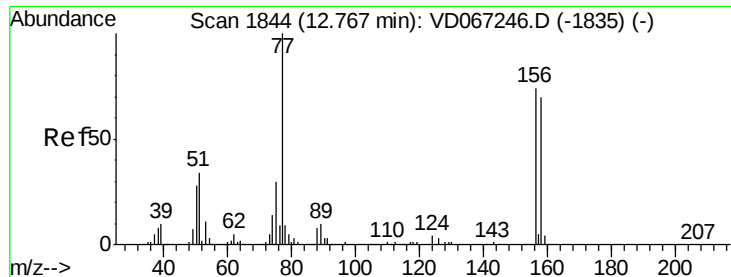
Acq: 13 Oct 2020 11:22

Tgt Ion:	75	Resp:	39049
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: 20.281 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

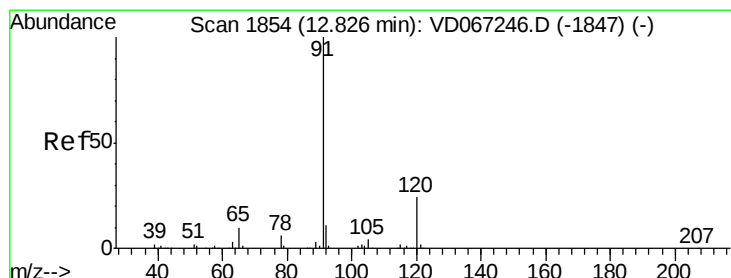
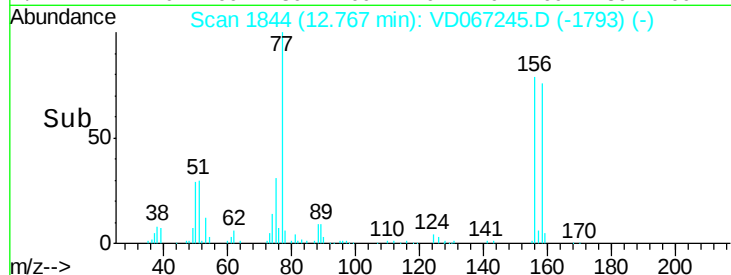
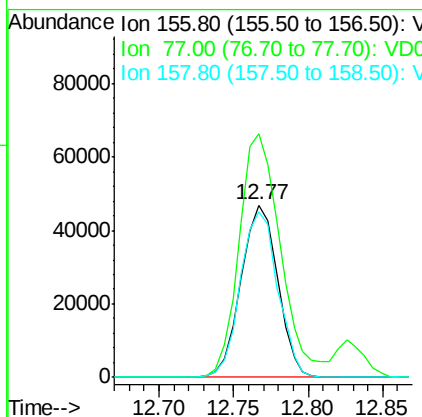
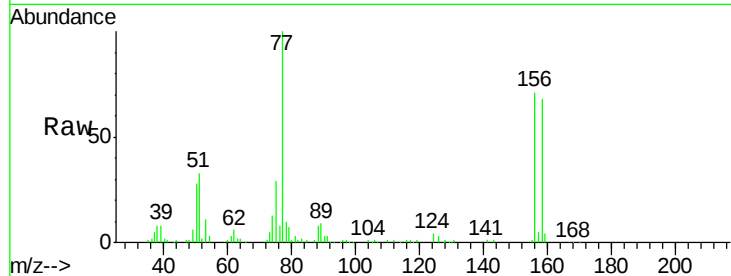
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.8	78.0	233.8
158	98.4	49.1	147.3

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#78

n-propylbenzene

Concen: 20.507 ug/l

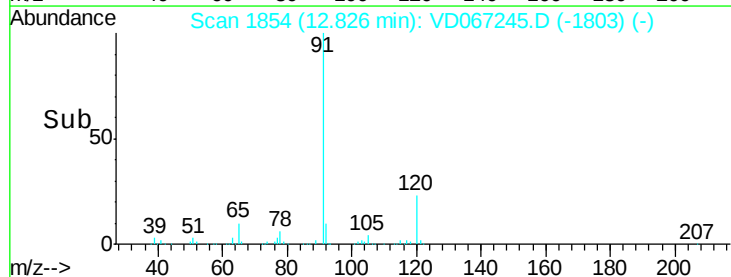
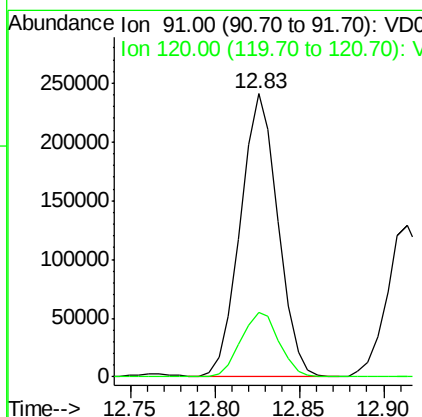
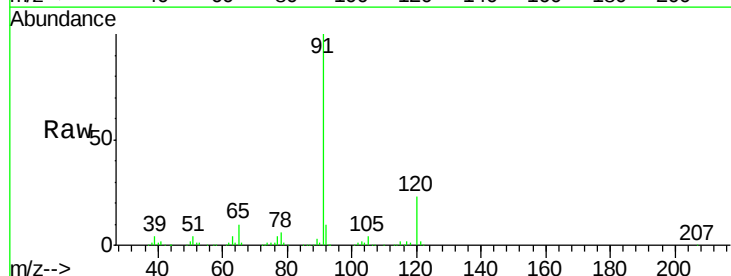
RT: 12.83 min Scan# 1854

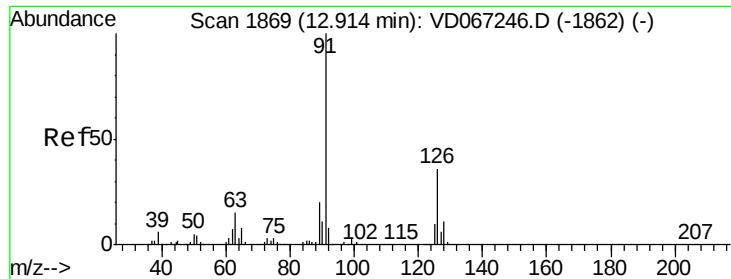
Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.9





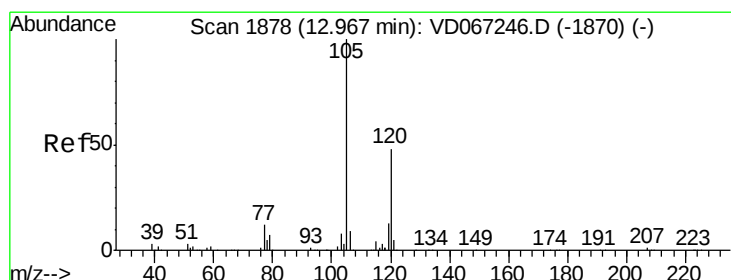
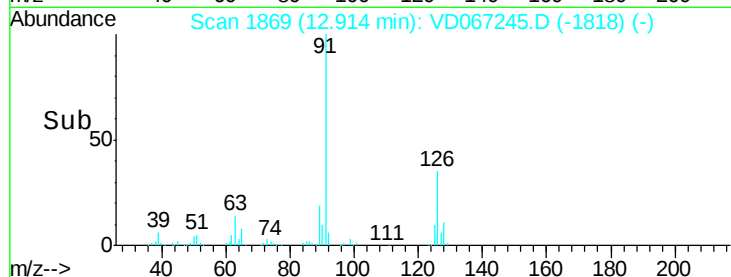
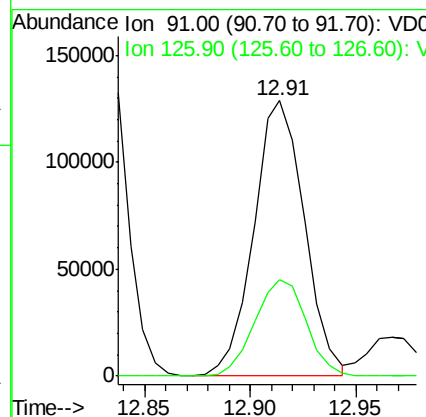
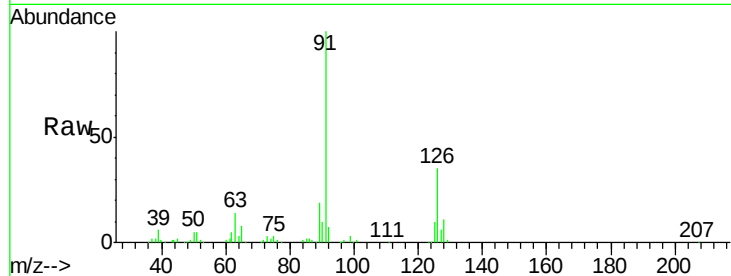
#79
2-Chlorotoluene
Concen: 20.169 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 213978
Ion Ratio Lower Upper
91 100
126 36.1 17.6 52.8

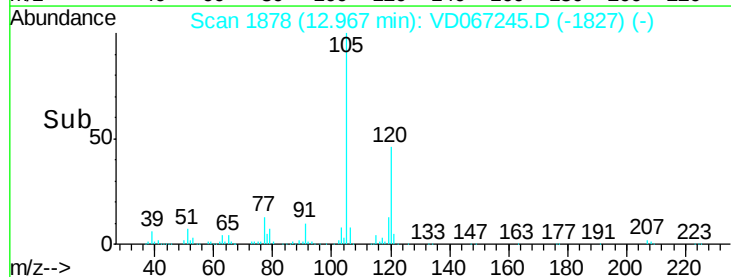
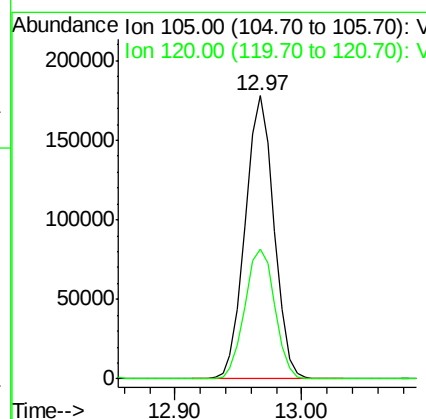
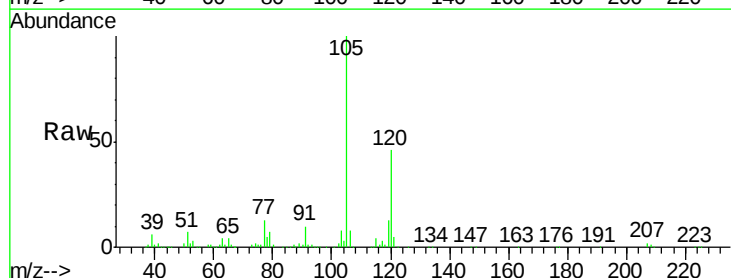
Manual Integrations
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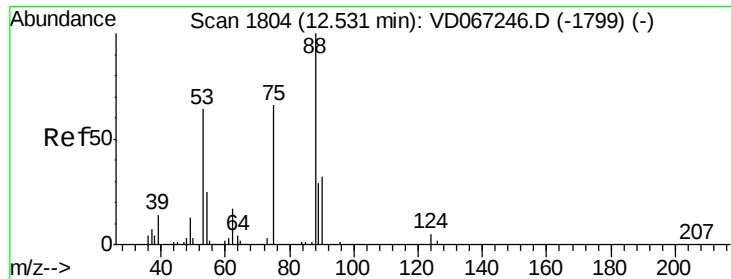
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.634 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 105 Resp: 280966
Ion Ratio Lower Upper
105 100
120 47.7 24.3 72.8





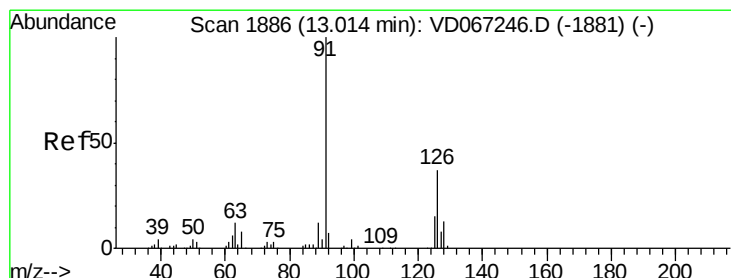
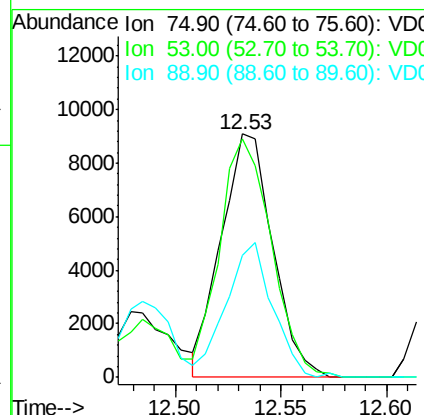
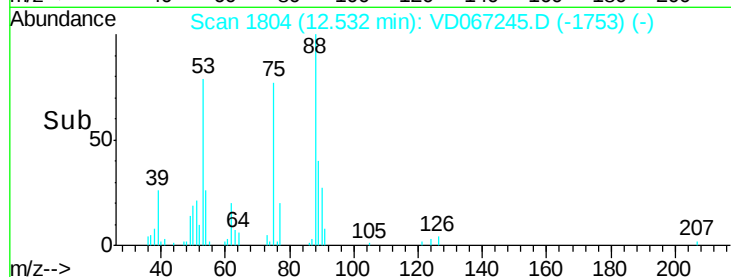
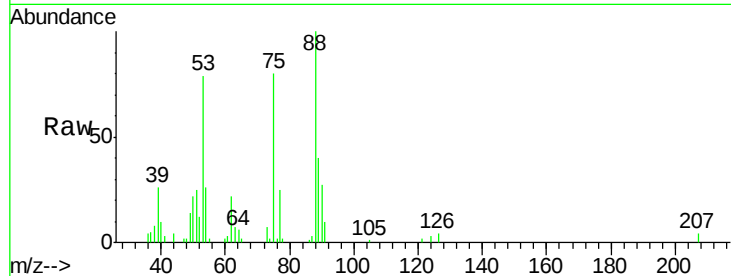
#81
trans-1,4-Dichloro-2-butene
Concen: 20.636 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	78.5	117.7
89	49.5	39.9	59.9

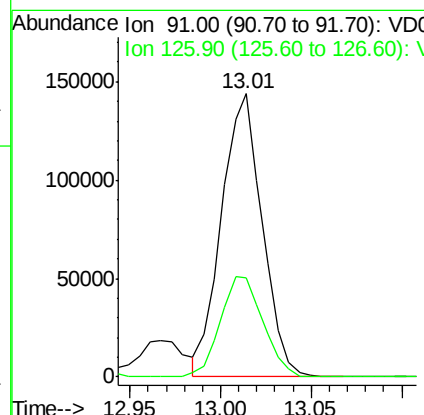
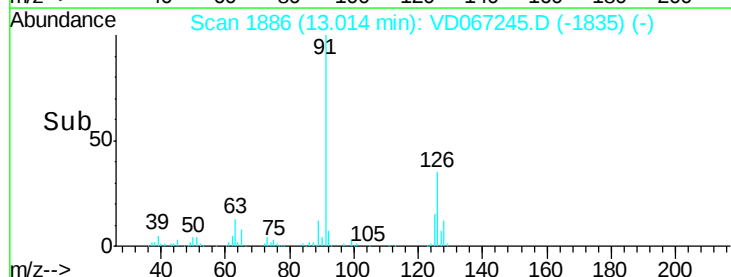
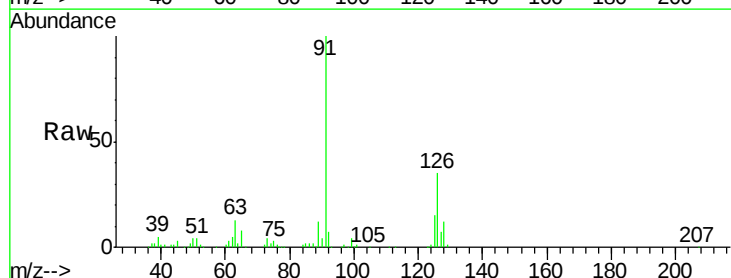
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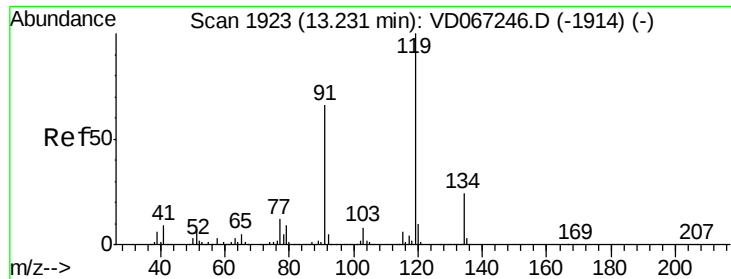
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.813 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.4	17.8	53.5





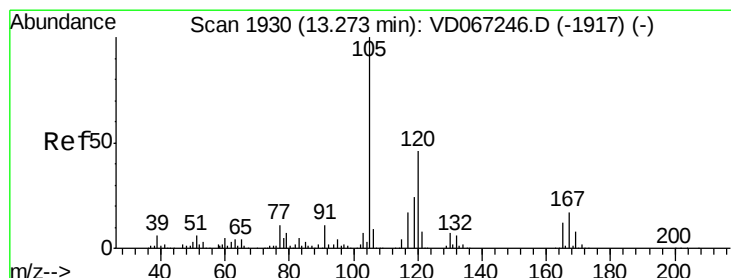
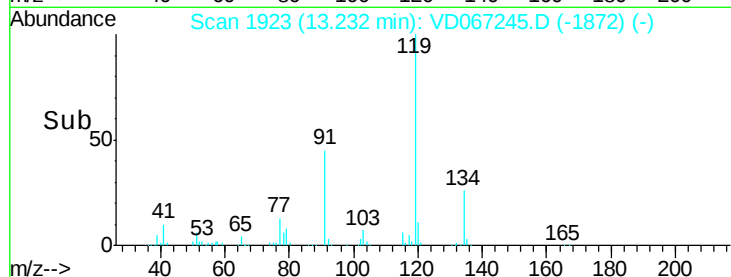
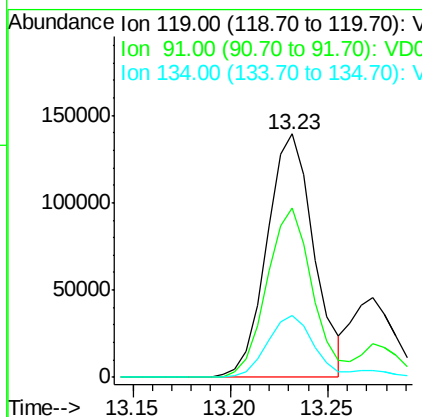
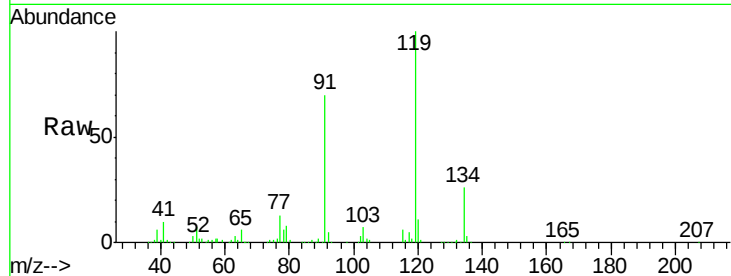
#83
tert-Butylbenzene
Concen: 20.422 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	232168		
91	68.0		33.1	99.2
134	25.0		13.3	39.9

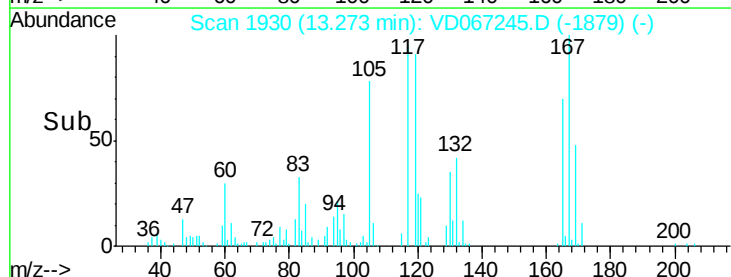
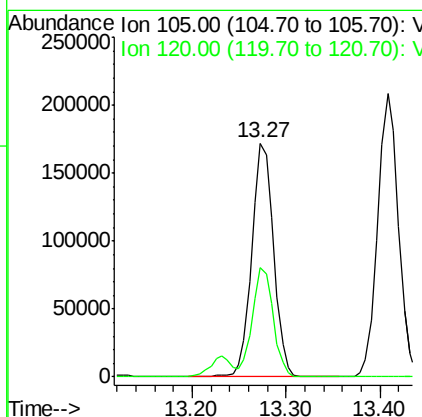
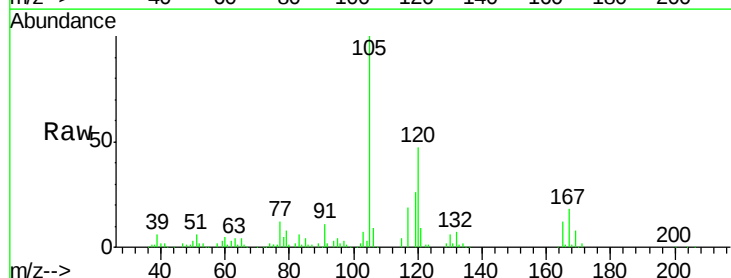
Manual Integrations
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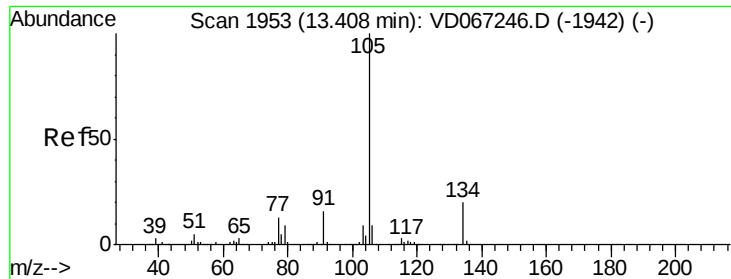
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#84
1,2,4-Trimethylbenzene
Concen: 20.708 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	277466		
120	44.5		22.4	67.3





#85

sec-Butylbenzene

Concen: 20.191 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 318324

Ion Ratio Lower Upper

105 100

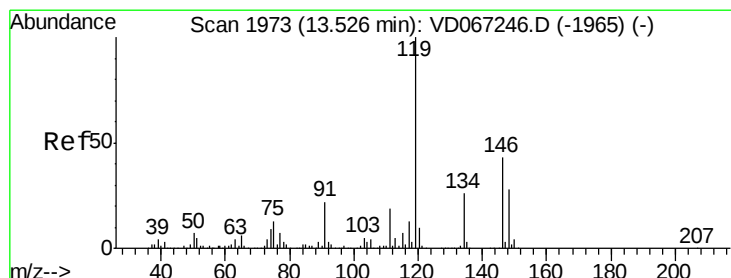
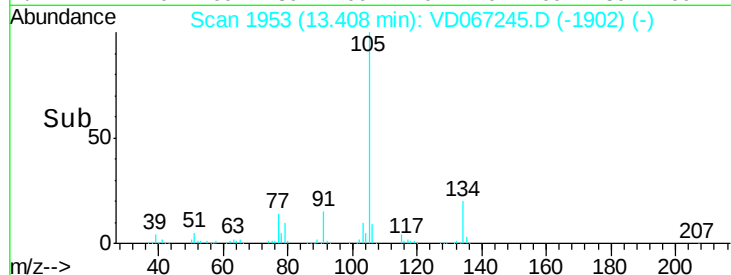
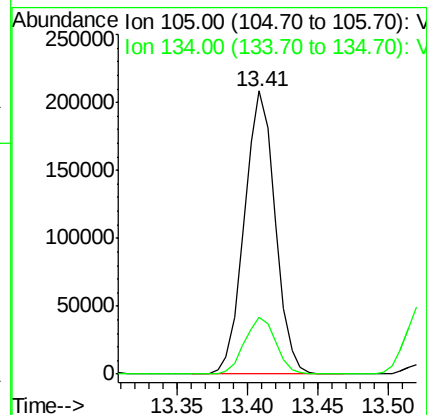
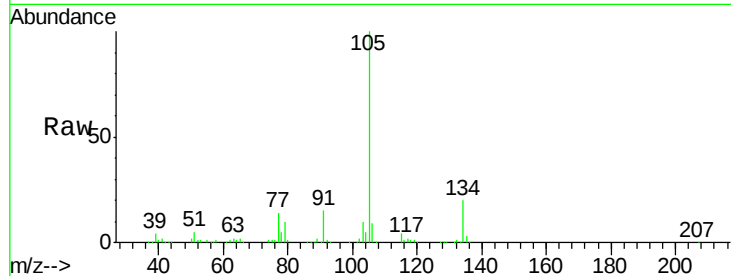
134 20.5 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.759 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

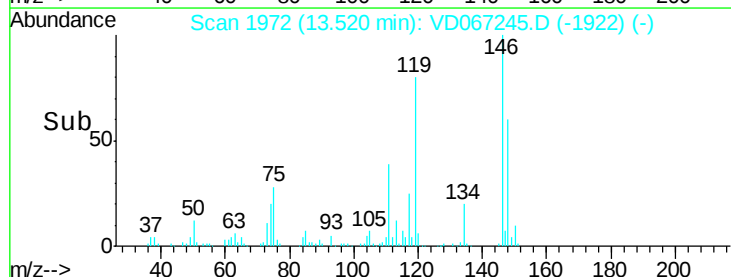
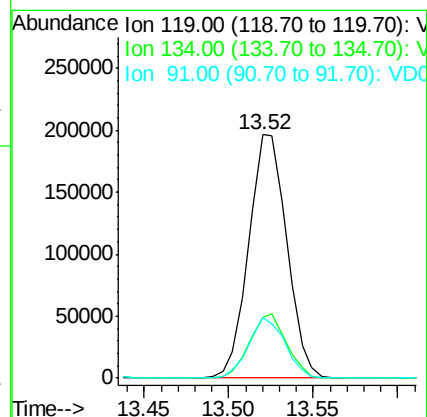
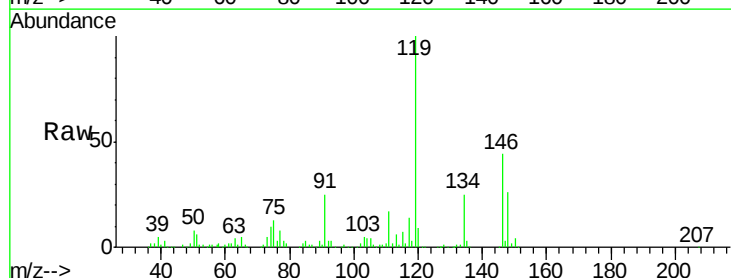
Tgt Ion:119 Resp: 309331

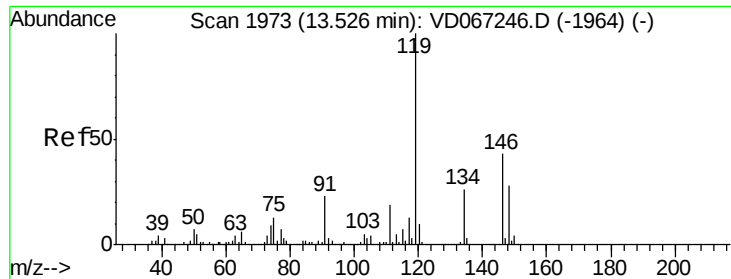
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 24.0 11.9 35.9





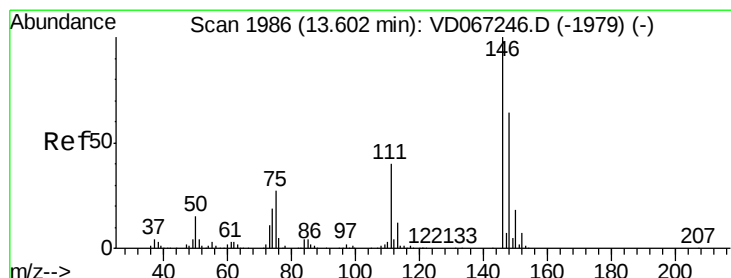
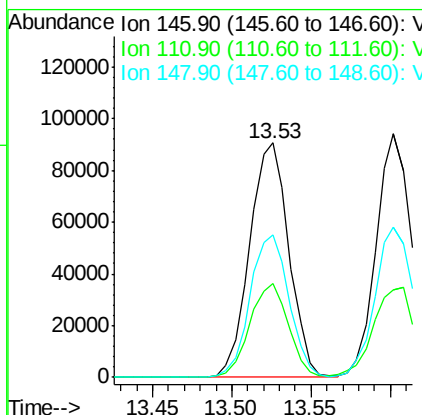
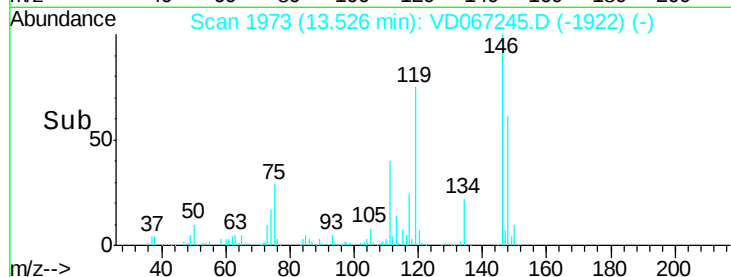
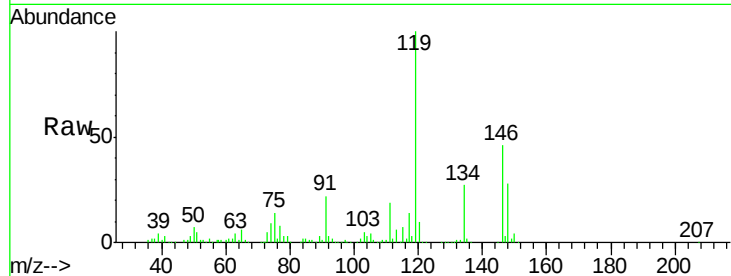
#87
 1,3-Dichlorobenzene
 Concen: 20.212 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.1	63.3
148	60.4	31.9	95.9

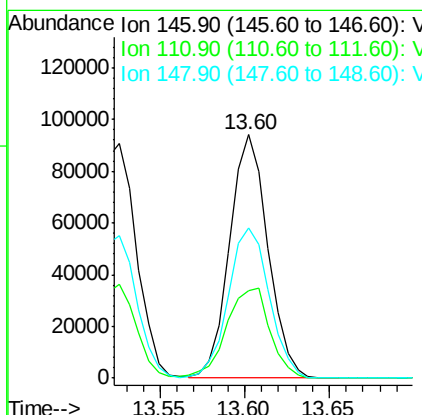
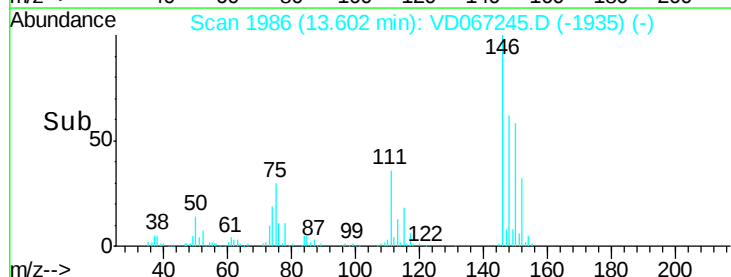
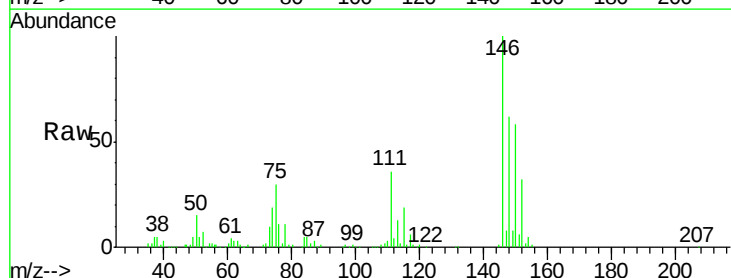
Manual Integrations
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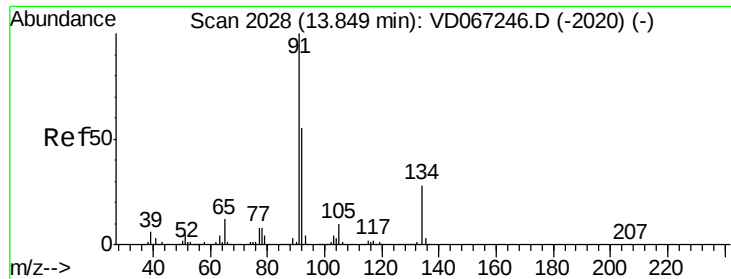
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#88
 1,4-Dichlorobenzene
 Concen: 19.659 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	19.9	59.7
148	66.0	31.9	95.9





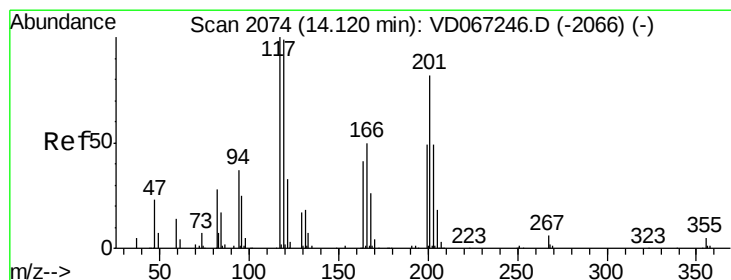
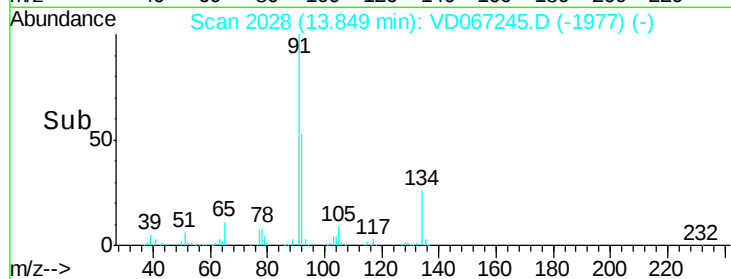
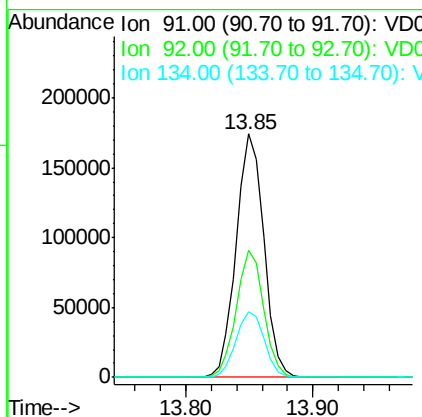
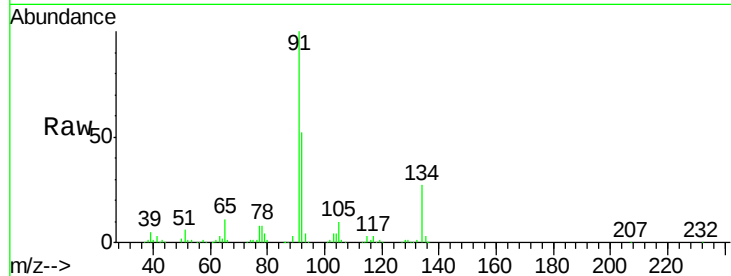
#89
n-Butylbenzene
Concen: 20.228 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.7	80.0
134	27.6	14.2	42.6

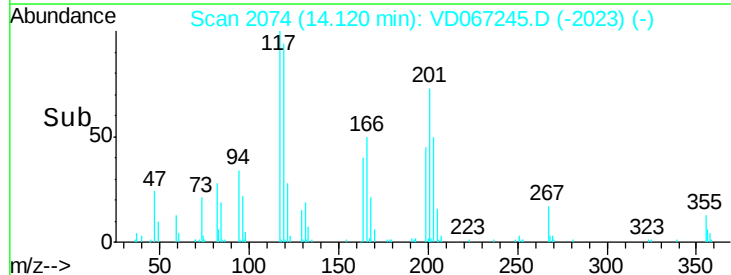
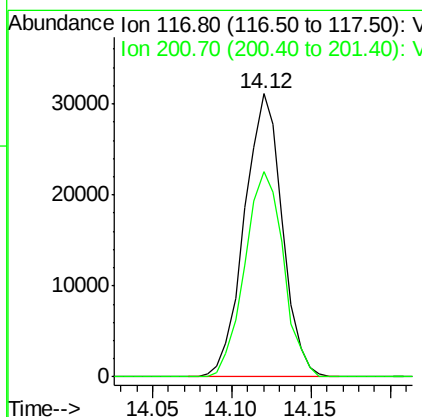
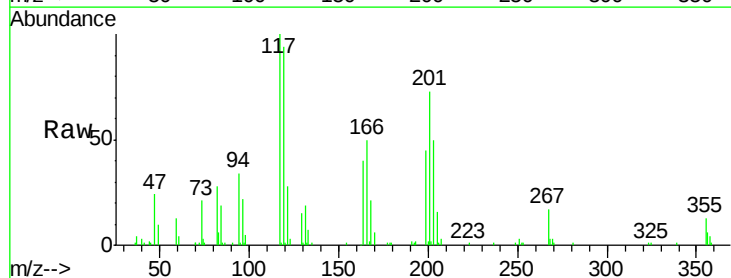
Manual Integrations
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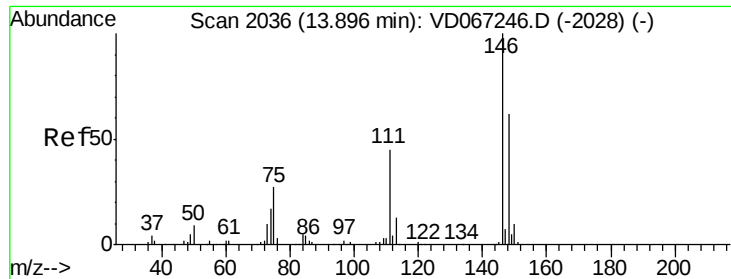
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#90
Hexachloroethane
Concen: 19.985 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.3	40.8	122.2





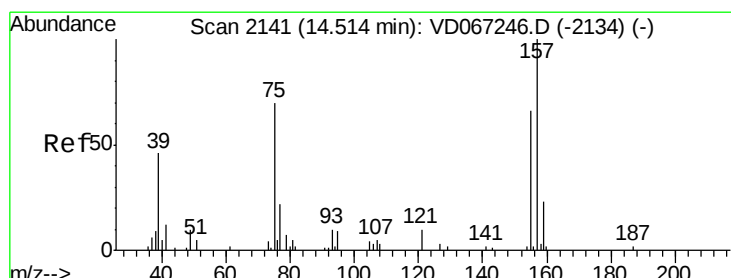
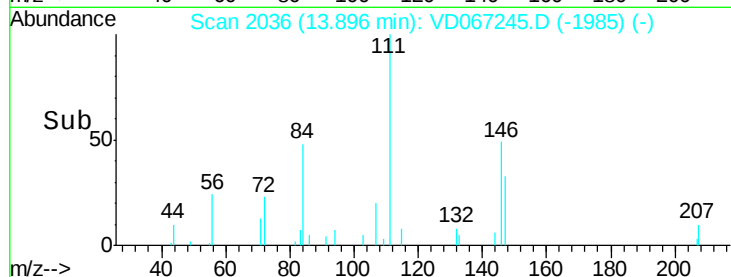
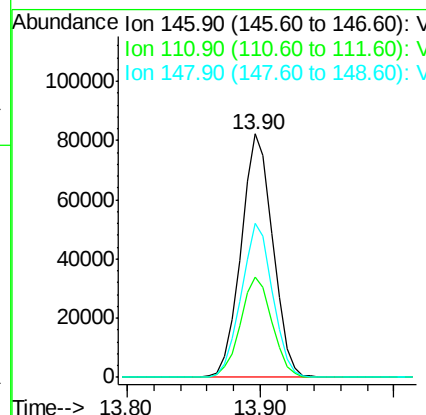
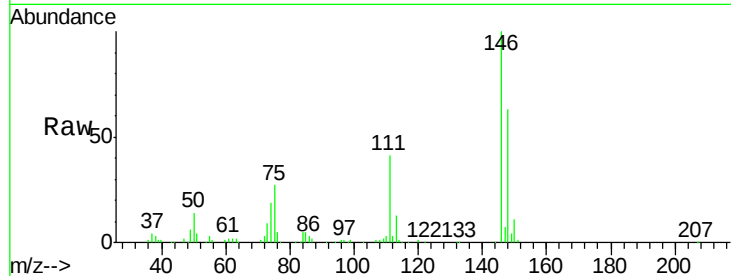
#91
 1,2-Dichlorobenzene
 Concen: 20.199 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	22.0	66.0
148	62.4	32.5	97.5

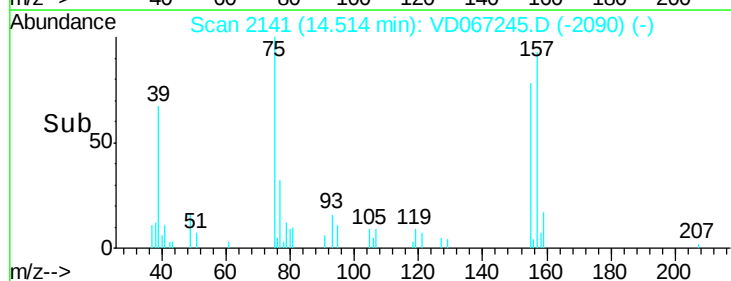
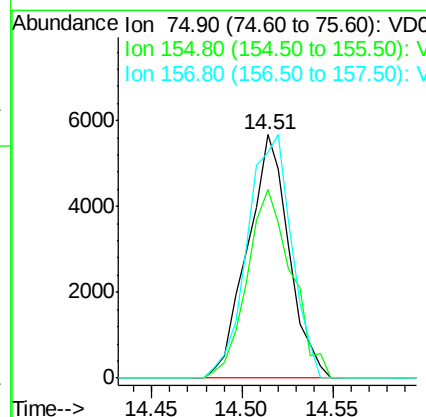
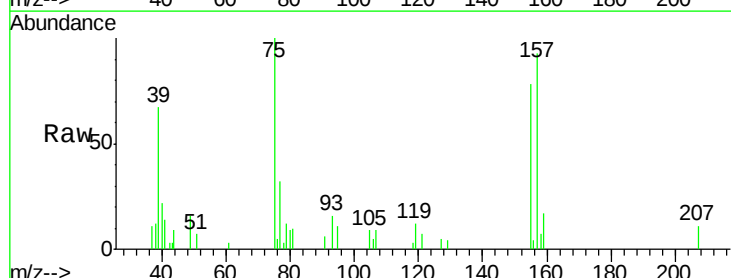
Manual Integrations
 APPROVED

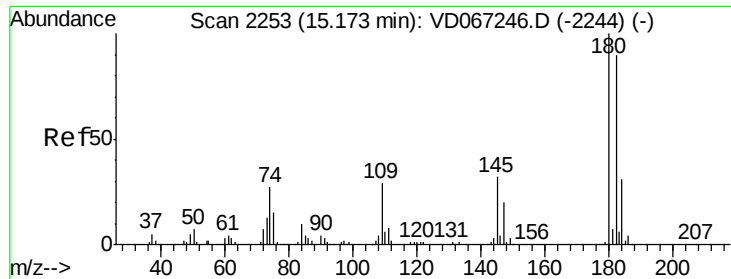
MMDadoda
 10/14/2020 2:10:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.709 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	44.8	134.4
157	106.3	62.5	187.4





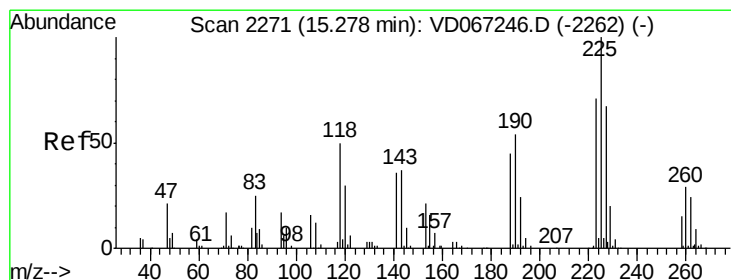
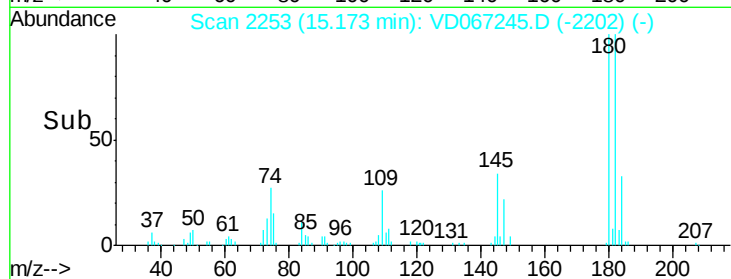
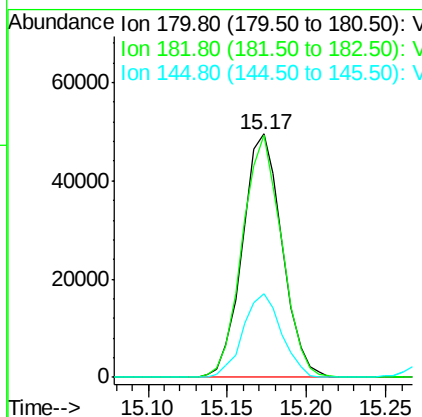
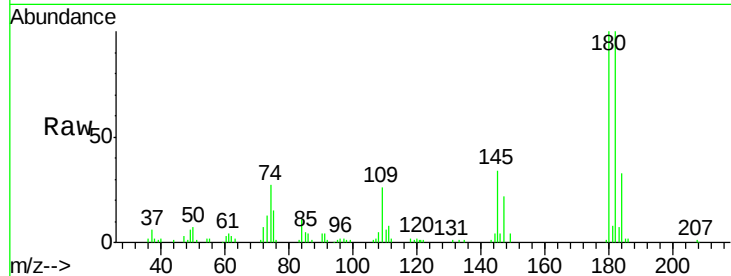
#93
 1,2,4-Trichlorobenzene
 Concen: 19.861 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	86219
Ion Ratio	Lower	Upper	
180	100		
182	98.5	48.1	144.4
145	33.4	16.3	48.9

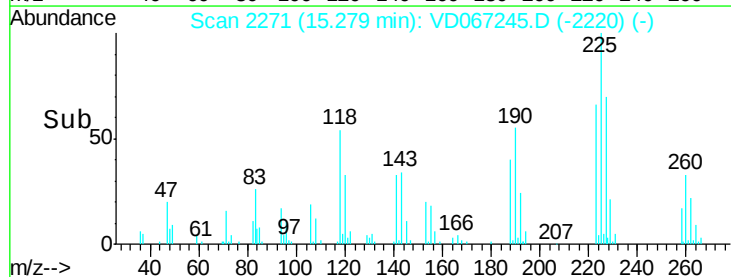
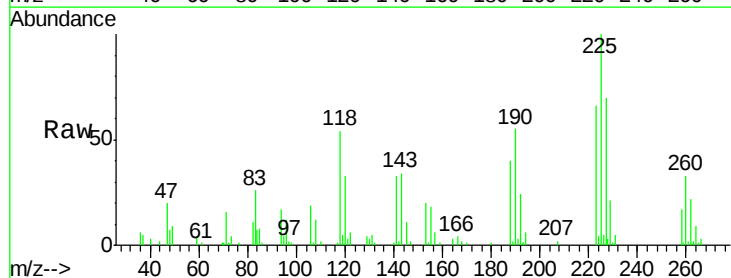
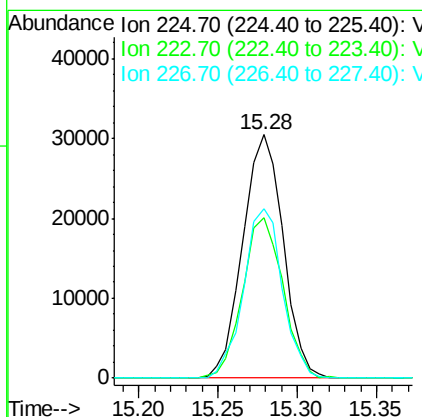
Manual Integrations
 APPROVED

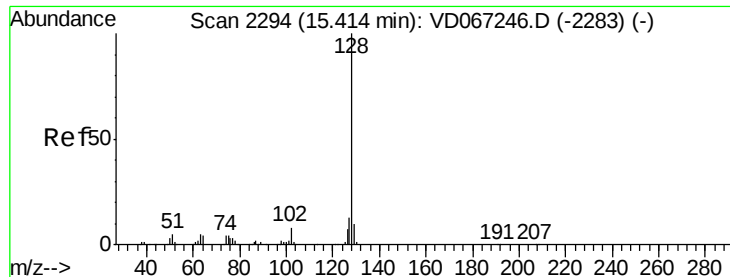
MMDadoda
 10/14/2020 2:10:09 PM



#94
 Hexachlorobutadiene
 Concen: 19.830 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion:	225	Resp:	54033
Ion Ratio	Lower	Upper	
225	100		
223	65.9	31.9	95.7
227	66.7	31.2	93.6





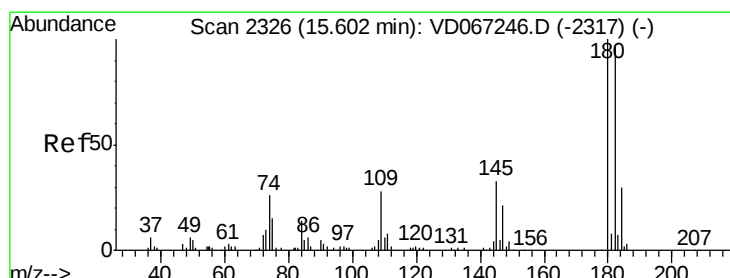
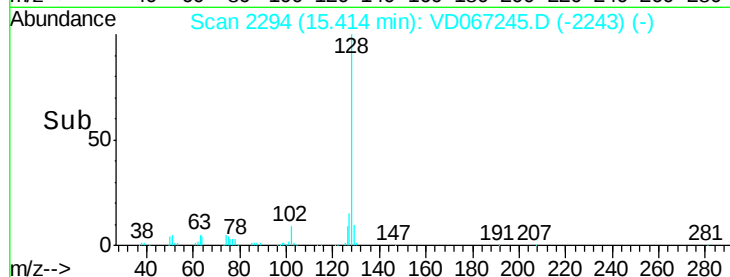
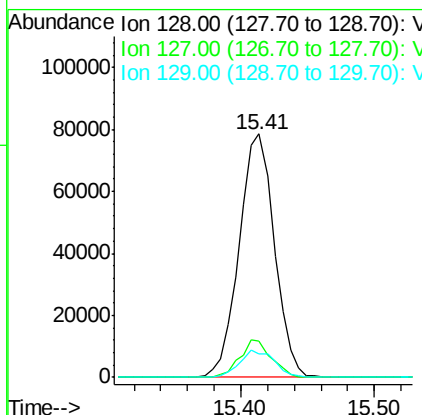
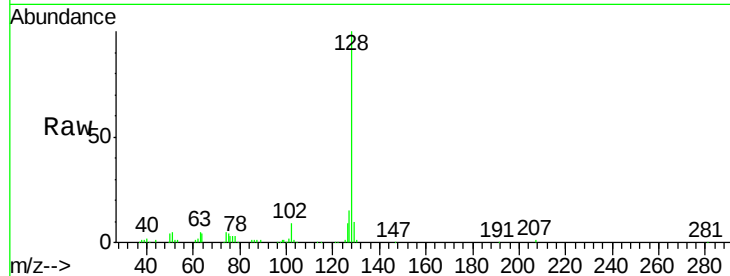
#95
Naphthalene
Concen: 21.033 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:10:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.920 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.3
145	34.1	17.3	51.9

