

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067382.D
 Acq On : 23 Oct 2020 16:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:37:44 PM

Quant Time: Oct 24 07:48:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	336508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	484675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	448050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221600	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	150018	44.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.00%	
35) Dibromofluoromethane	7.91	113	157556	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
50) Toluene-d8	10.34	98	569028	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.64	95	198763	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	110215	39.922	ug/l	98
3) Chloromethane	2.21	50	83721	39.532	ug/l	94
4) Vinyl Chloride	2.35	62	94112	40.501	ug/l	99
5) Bromomethane	2.77	94	76530	47.197	ug/l	98
6) Chloroethane	2.92	64	60166	41.576	ug/l	92
7) Trichlorofluoromethane	3.27	101	253485	43.322	ug/l	99
8) Diethyl Ether	3.70	74	58808	43.922	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	131734	42.375	ug/l	97
10) Methyl Iodide	4.30	142	124880	43.547	ug/l	98
11) Tert butyl alcohol	5.22	59	34077	182.019	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	123941	44.627	ug/l	95
13) Acrolein	3.92	56	36847	188.691	ug/l	100
14) Allyl chloride	4.71	41	143099	44.993	ug/l	99
15) Acrylonitrile	5.41	53	100036	223.914	ug/l	98
16) Acetone	4.16	43	106049	224.608	ug/l	95
17) Carbon Disulfide	4.40	76	312177	39.429	ug/l	99
18) Methyl Acetate	4.71	43	47945	44.521	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	252579	45.738	ug/l	96
20) Methylene Chloride	4.96	84	138260	45.293	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	143541	44.913	ug/l	94
22) Diisopropyl ether	6.36	45	273659	47.102	ug/l	97
23) Vinyl Acetate	6.30	43	779349	235.779	ug/l	98
24) 1,1-Dichloroethane	6.26	63	224962	45.233	ug/l	99
25) 2-Butanone	7.21	43	120533	223.954	ug/l	93
26) 2,2-Dichloropropane	7.20	77	238926	46.609	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	159688	45.589	ug/l	98
28) Bromochloromethane	7.54	49	80211	47.284	ug/l #	98
29) Tetrahydrofuran	7.56	42	67978	227.216	ug/l	98
30) Chloroform	7.71	83	276800	46.590	ug/l	93
31) Cyclohexane	7.98	56	157237	40.493	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	271545	46.583	ug/l	98
36) 1,1-Dichloropropene	8.11	75	196450	47.822	ug/l	98
37) Ethyl Acetate	7.29	43	56404	46.668	ug/l	96
38) Carbon Tetrachloride	8.10	117	255341	48.633	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	199651	46.489	ug/l	97
40) Benzene	8.35	78	543475	48.224	ug/l	96
41) Methacrylonitrile	7.53	41	38655	59.185	ug/l #	66
42) 1,2-Dichloroethane	8.43	62	164088	46.526	ug/l	99
43) Isopropyl Acetate	8.45	43	109853	45.806	ug/l	99
44) Trichloroethene	9.11	130	176844	49.011	ug/l	90
45) 1,2-Dichloropropane	9.39	63	121986	46.705	ug/l	98
46) Dibromomethane	9.47	93	75564	46.435	ug/l	97
47) Bromodichloromethane	9.67	83	212115	48.651	ug/l	99
48) Methyl methacrylate	9.46	41	52839	45.337	ug/l	98
49) 1,4-Dioxane	9.47	88	16058	1020.304	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	279659	233.796	ug/l	100
52) Toluene	10.41	92	377410	49.169	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	184660	48.214	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	214200	47.788	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	105847	47.699	ug/l	100
56) Ethyl methacrylate	10.67	69	114830	49.896	ug/l	98
57) 1,3-Dichloropropane	10.95	76	168679	47.765	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	295364	250.178	ug/l	99
59) 2-Hexanone	10.98	43	195631	239.340	ug/l	97
60) Dibromochloromethane	11.14	129	153188	47.336	ug/l	98
61) 1,2-Dibromoethane	11.25	107	101443	46.370	ug/l	98
64) Tetrachloroethene	10.88	164	155547	47.916	ug/l	95
65) Chlorobenzene	11.67	112	410069	47.728	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	168461	49.333	ug/l	99
67) Ethyl Benzene	11.75	91	720810	48.941	ug/l	98
68) m/p-Xylenes	11.86	106	567107	99.992	ug/l	97
69) o-Xylene	12.18	106	255930	48.731	ug/l	97
70) Styrene	12.20	104	442864	48.985	ug/l	99
71) Bromoform	12.37	173	85594	46.658	ug/l #	97
73) Isopropylbenzene	12.48	105	733725	52.170	ug/l	100
74) N-amyl acetate	12.29	43	104187	49.049	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	104662	48.568	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	77661m	50.564	ug/l	
77) Bromobenzene	12.77	156	174653	49.811	ug/l	99
78) n-propylbenzene	12.83	91	831438	51.024	ug/l	100
79) 2-Chlorotoluene	12.91	91	470473	49.786	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	619177	50.662	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32280	47.660	ug/l	95
82) 4-Chlorotoluene	13.01	91	501254	49.977	ug/l	99
83) tert-Butylbenzene	13.23	119	535849	51.904	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	617749	51.140	ug/l	99
85) sec-Butylbenzene	13.41	105	719114	50.764	ug/l	100
86) p-Isopropyltoluene	13.52	119	678592	50.752	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	328776	48.715	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	326796	48.874	ug/l	100
89) n-Butylbenzene	13.85	91	605686	51.492	ug/l	99
90) Hexachloroethane	14.12	117	117204	50.232	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	283905	48.154	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18042	46.085	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	201007	50.567	ug/l	98
94) Hexachlorobutadiene	15.27	225	126510	51.250	ug/l	98
95) Naphthalene	15.41	128	325931	49.940	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	168613	49.099	ug/l	99

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

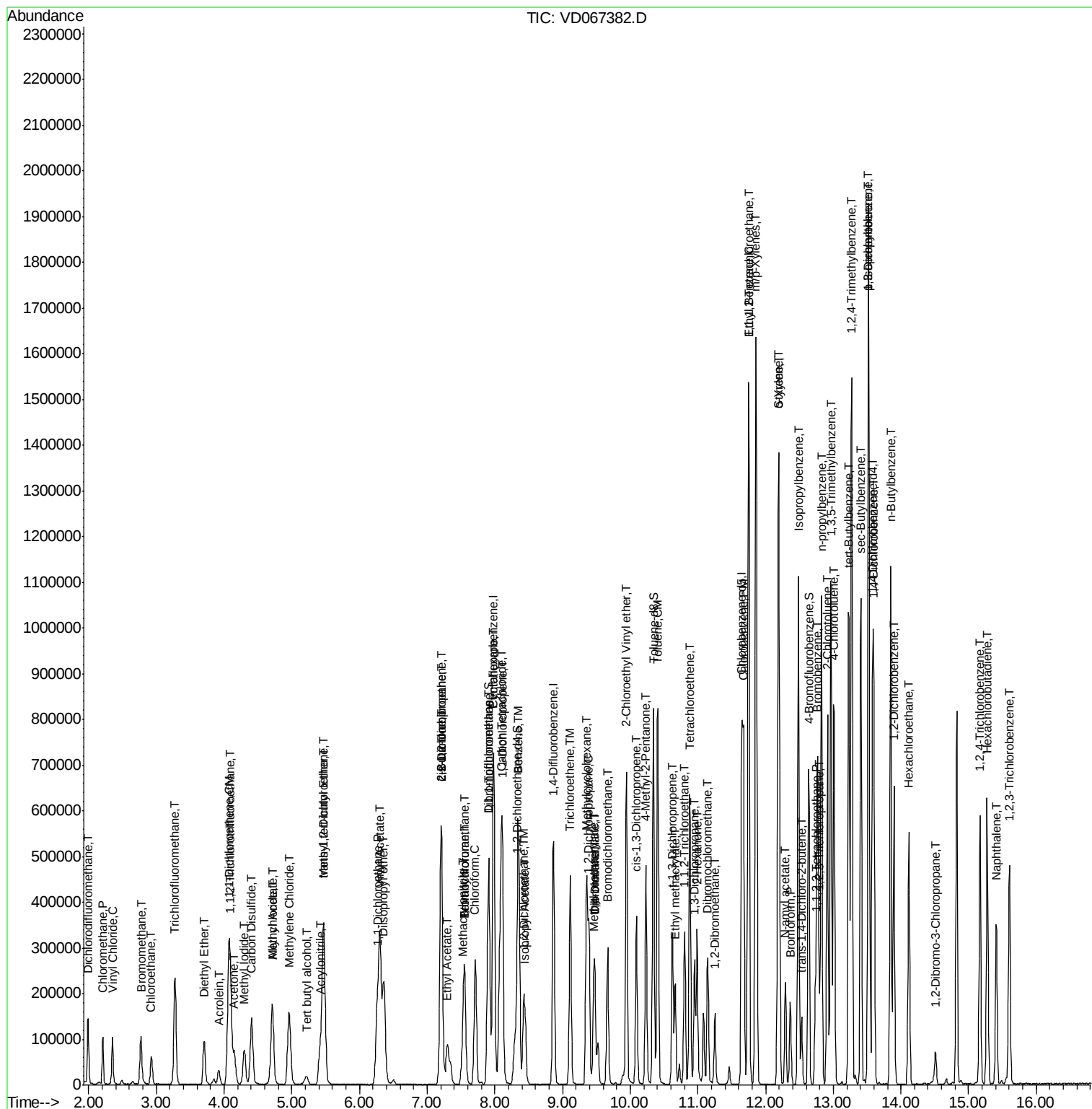
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
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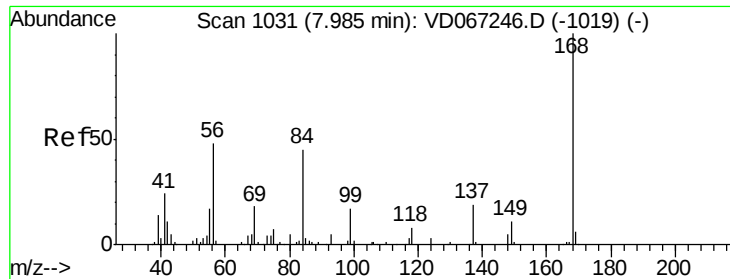
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 336508

Ion Ratio Lower Upper

168 100

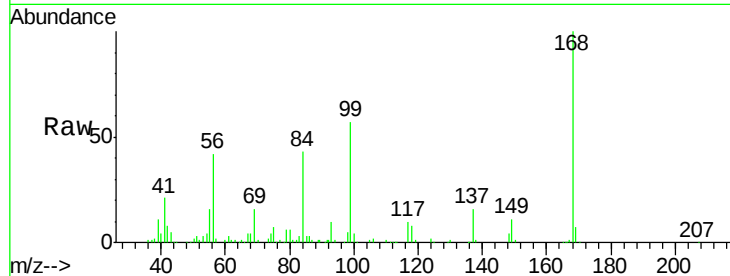
99 56.5 45.9 68.9

Manual Integrations

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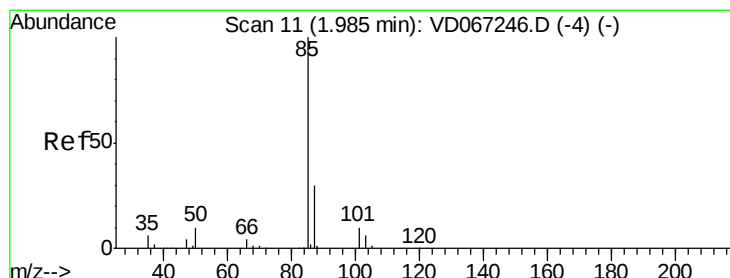
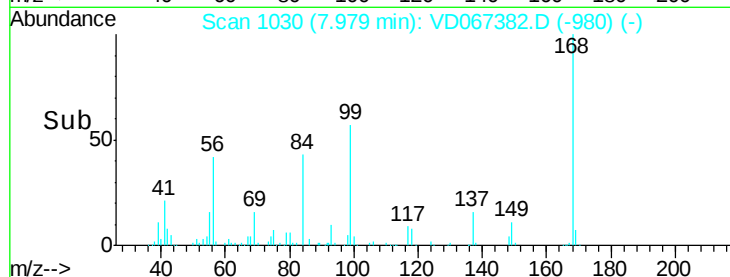
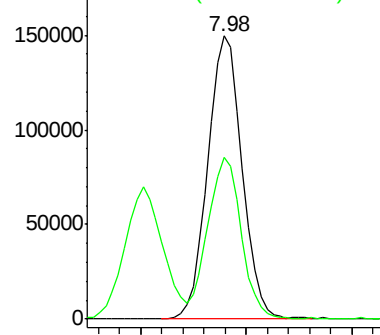
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 39.922 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067382.D

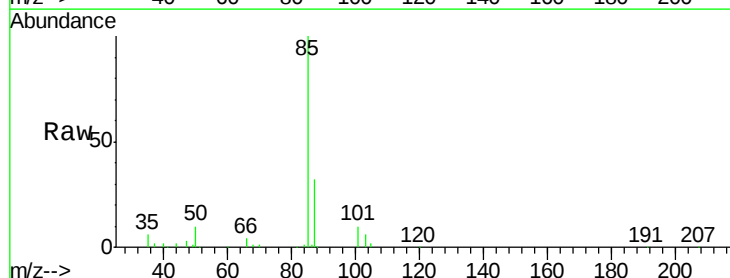
Acq: 23 Oct 2020 16:27

Tgt Ion: 85 Resp: 110215

Ion Ratio Lower Upper

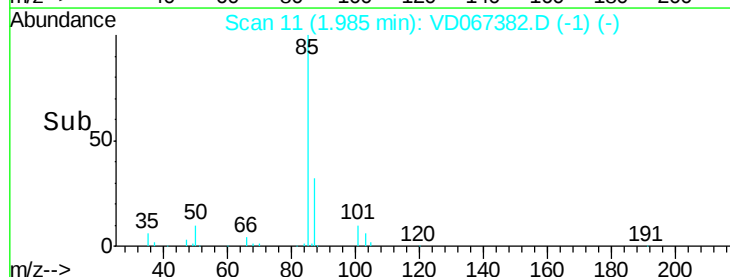
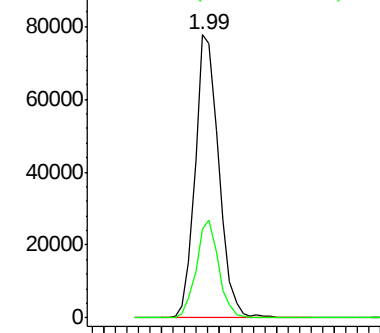
85 100

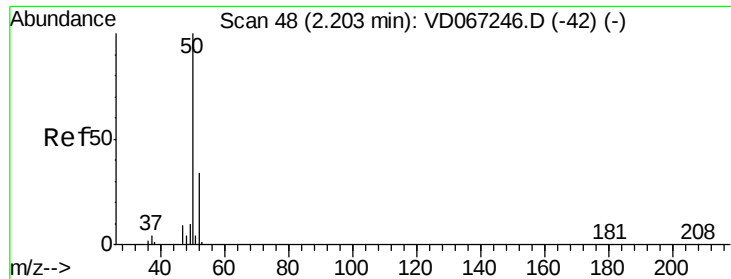
87 31.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.532 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 83721

Ion Ratio Lower Upper

50 100

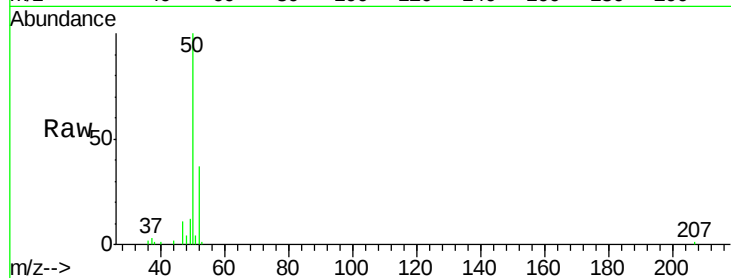
52 37.1 27.1 40.7

Manual Integrations

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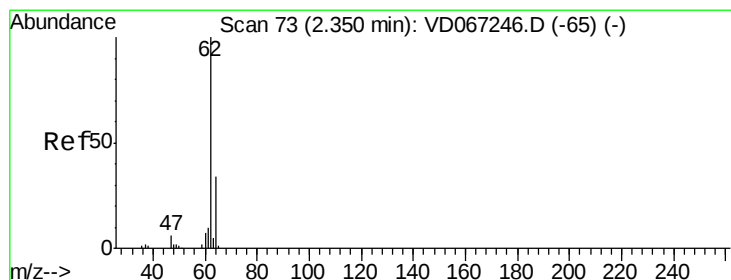
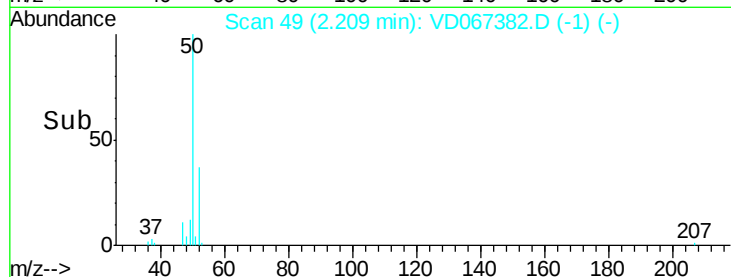
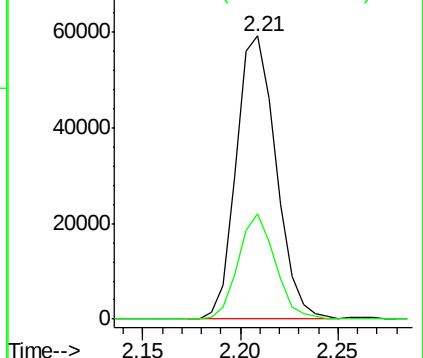
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 40.501 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067382.D

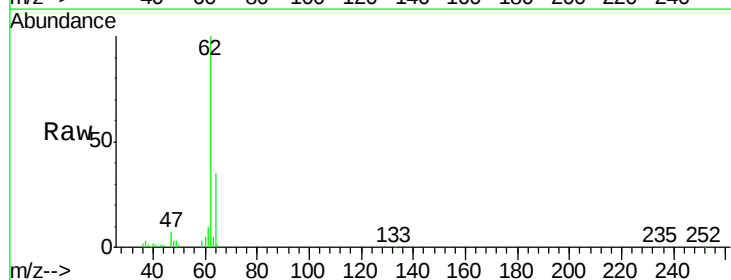
Acq: 23 Oct 2020 16:27

Tgt Ion: 62 Resp: 94112

Ion Ratio Lower Upper

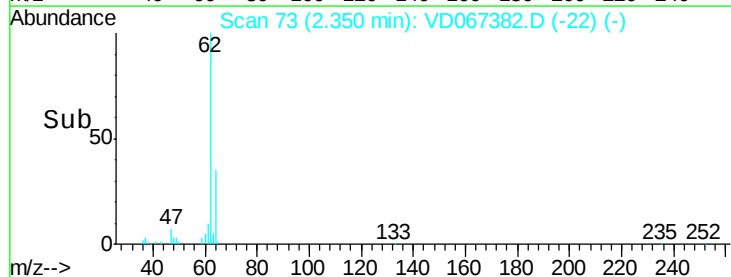
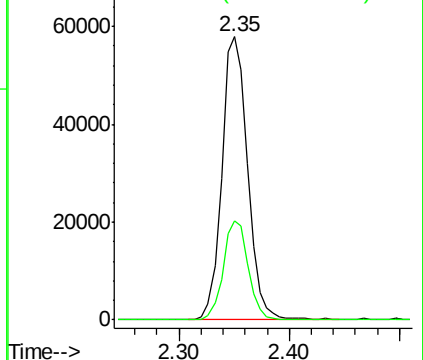
62 100

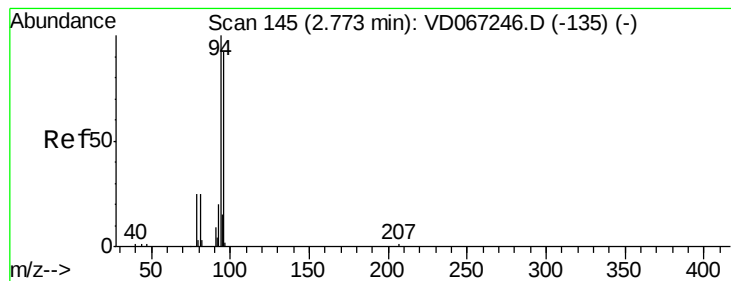
64 34.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.197 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 76530

Ion Ratio Lower Upper

94 100

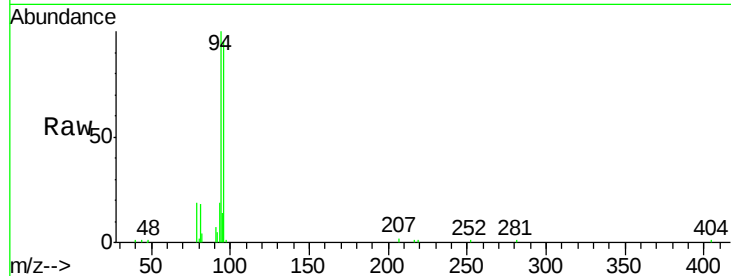
96 94.6 73.8 110.6

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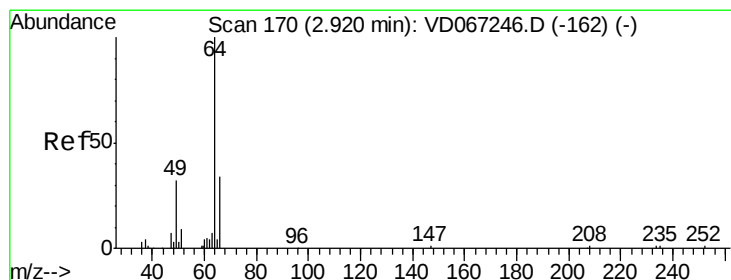
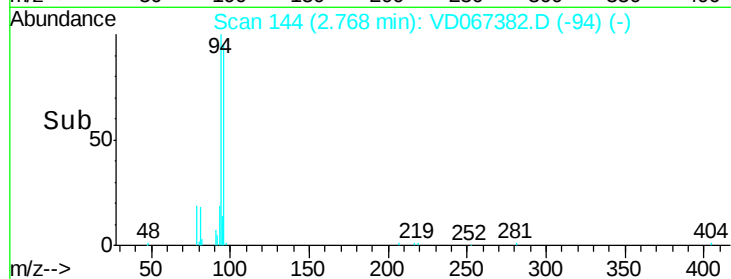
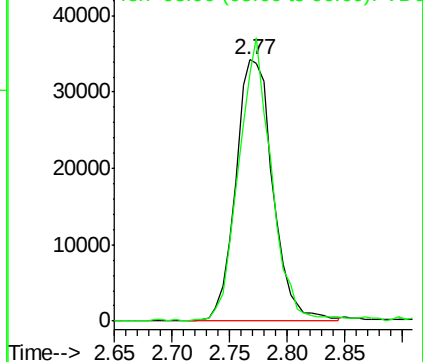
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 41.576 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067382.D

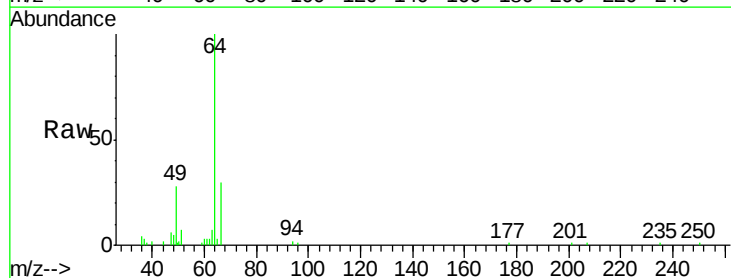
Acq: 23 Oct 2020 16:27

Tgt Ion: 64 Resp: 60166

Ion Ratio Lower Upper

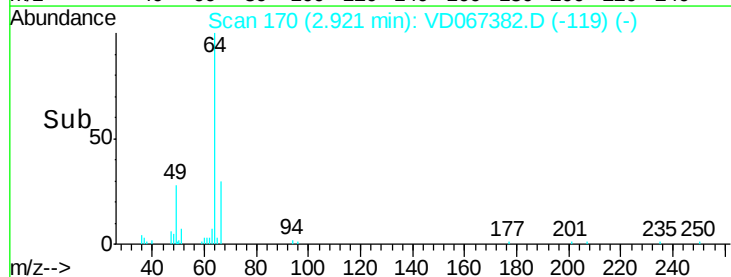
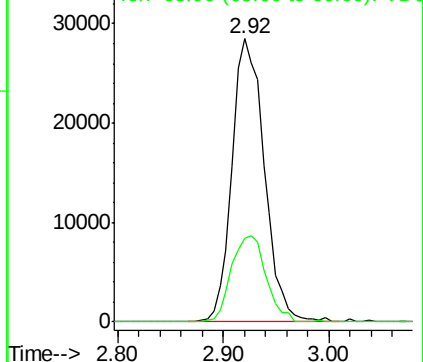
64 100

66 29.6 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

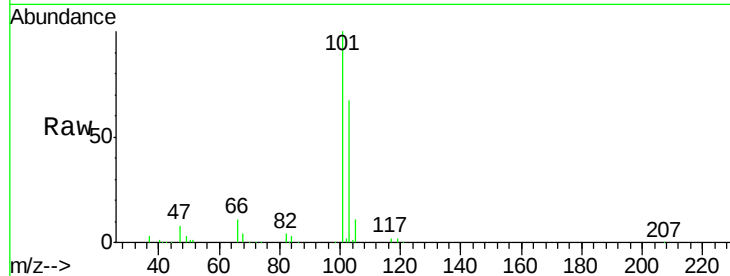
Trichlorofluoromethane
Concen: 43.322 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

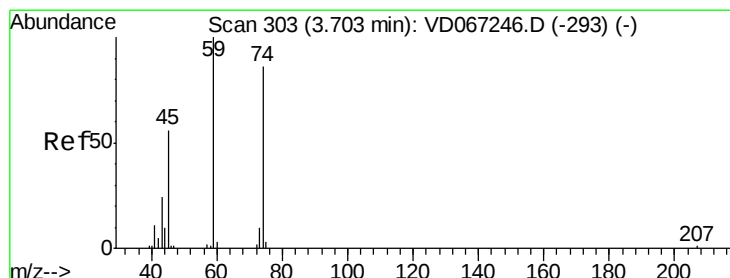
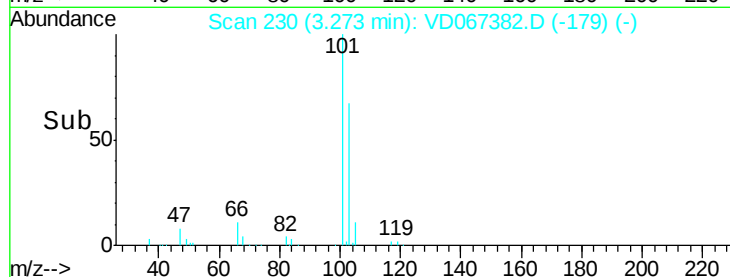
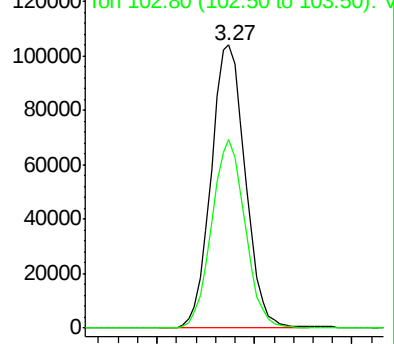
Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	53.1	79.7

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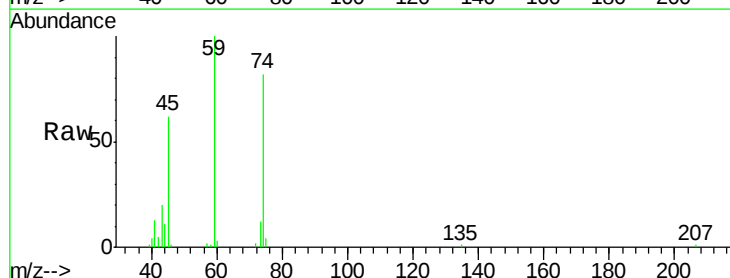
Abundance Ion 100.90 (100.60 to 101.60): V



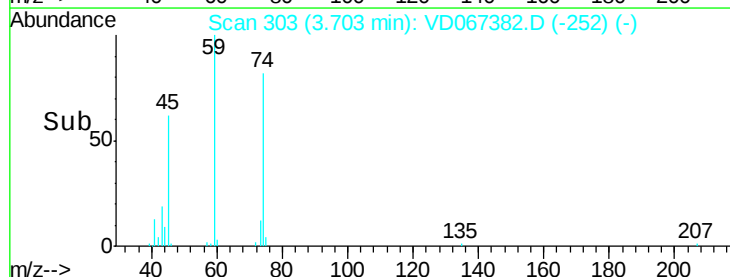
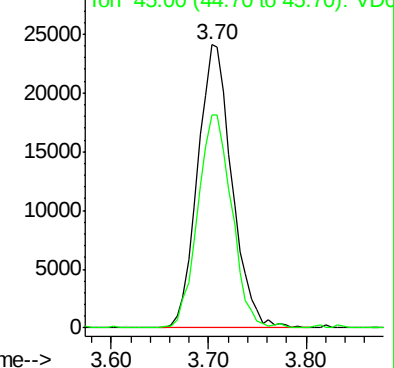
#8

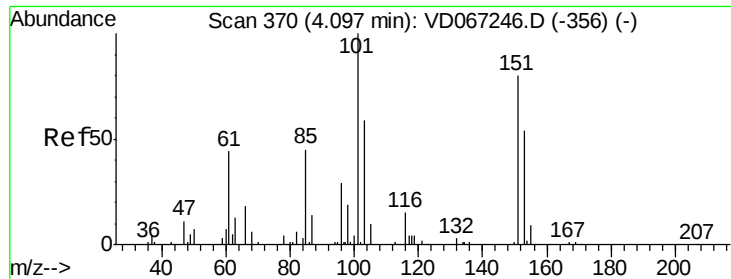
Diethyl Ether
Concen: 43.922 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.7	37.0	111.1



Abundance Ion 74.00 (73.70 to 74.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.375 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

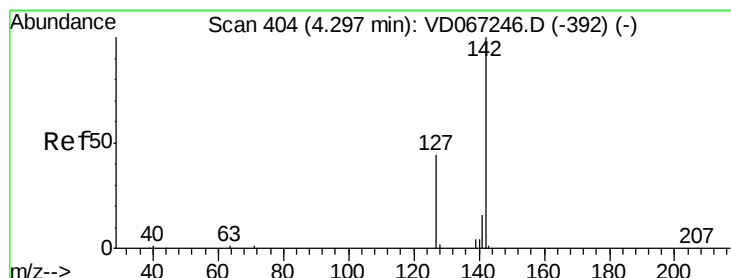
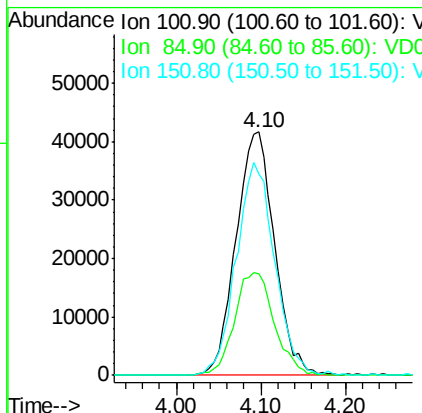
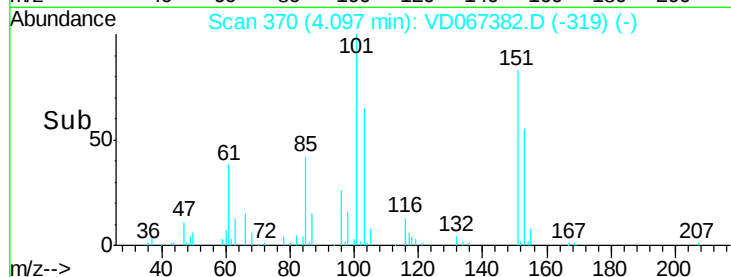
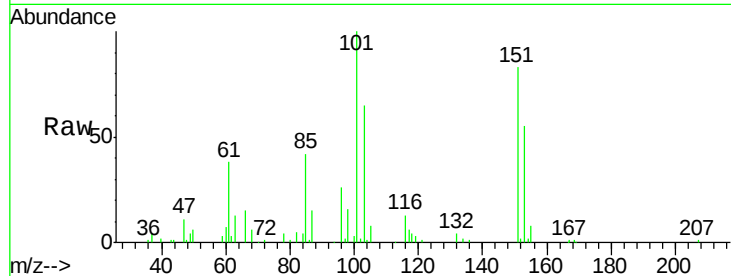
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	131734
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.2	51.4
151	87.1	66.3	99.5

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#10

Methyl Iodide

Concen: 43.547 ug/l

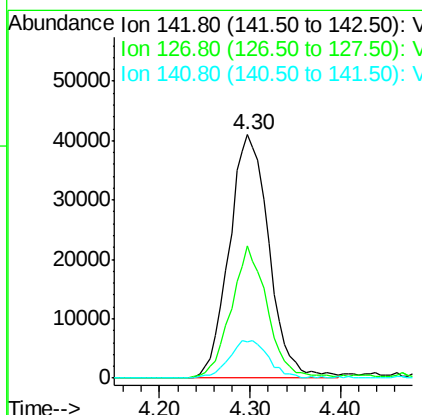
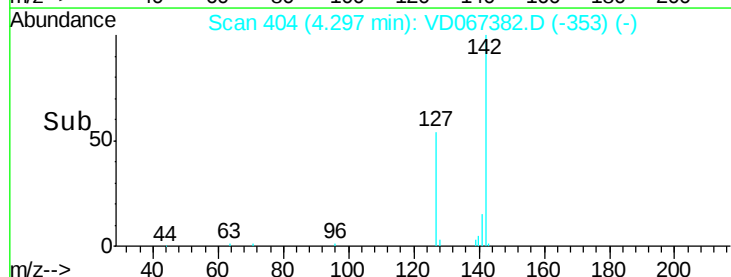
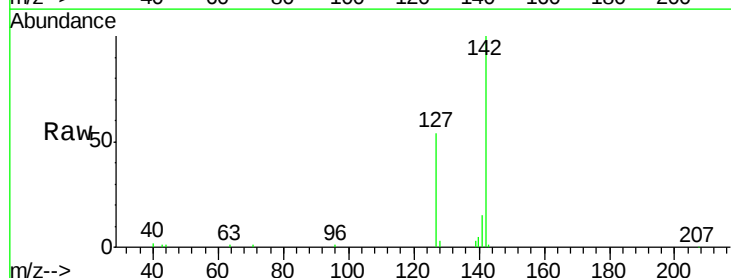
RT: 4.30 min Scan# 404

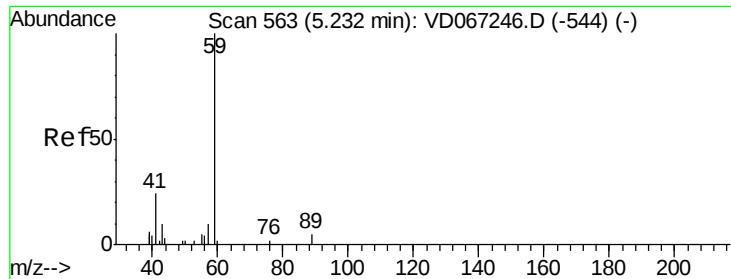
Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Tgt Ion:	142	Resp:	124880
Ion Ratio	Lower	Upper	
142	100		
127	49.4	38.4	57.6
141	15.2	11.6	17.4





#11

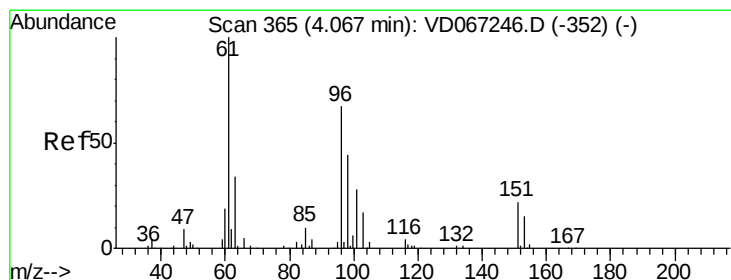
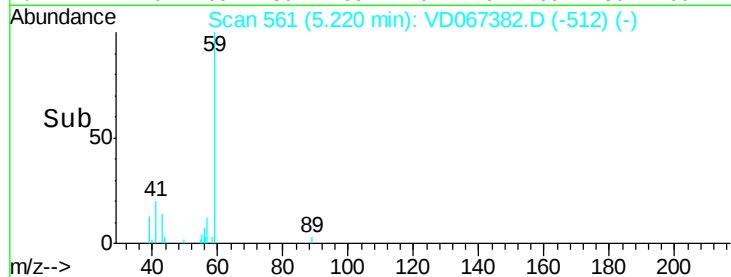
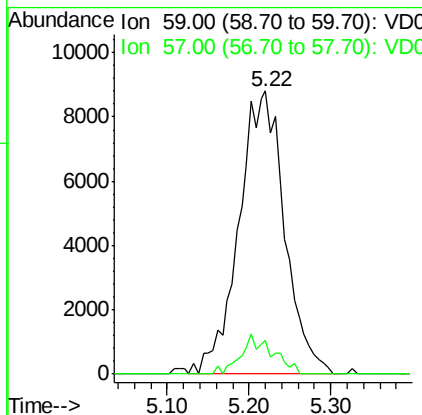
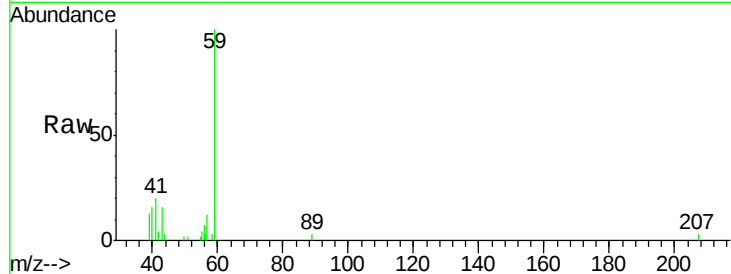
Tert butyl alcohol
 Concen: 182.019 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	5.1	7.7#

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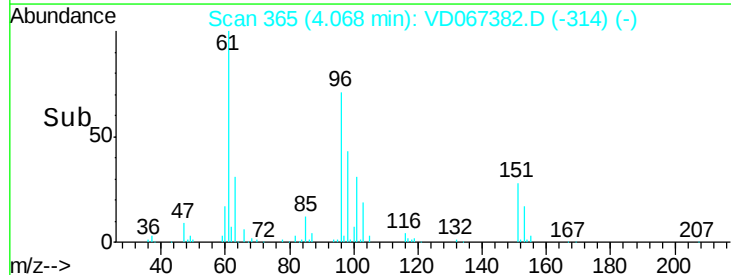
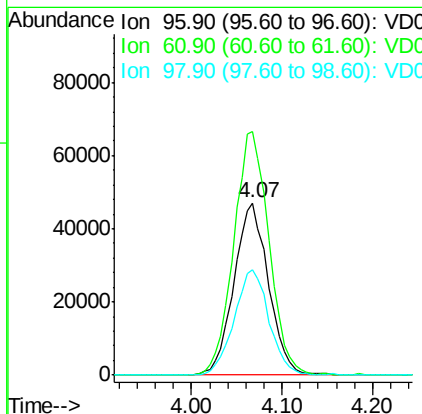
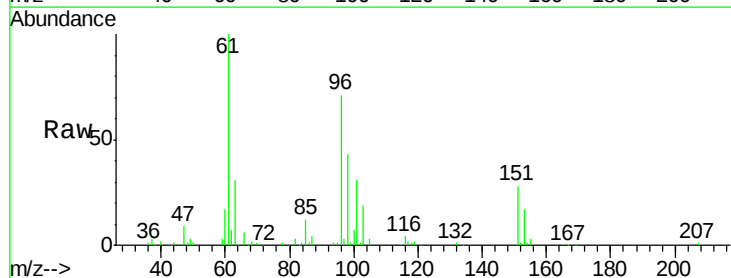
MMDadoda
 10/26/2020 1:37:44 PM

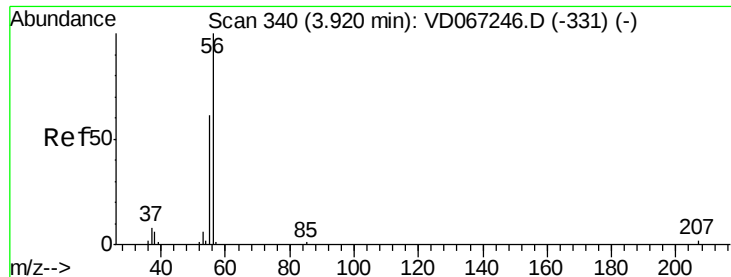


#12

1,1-Dichloroethene
 Concen: 44.627 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.4	118.6	177.8
98	61.1	51.8	77.6





#13

Acrolein

Concen: 188.691 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 36847

Ion Ratio Lower Upper

56 100

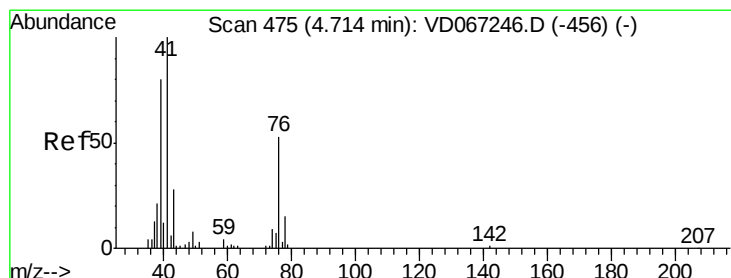
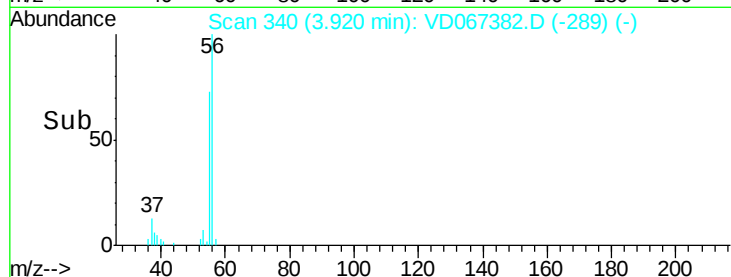
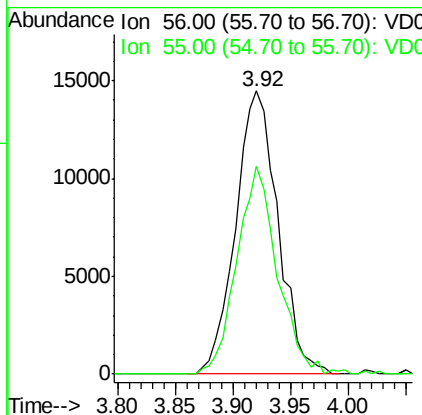
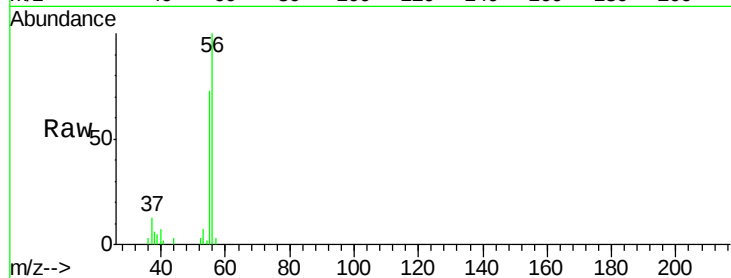
55 70.0 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 44.993 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

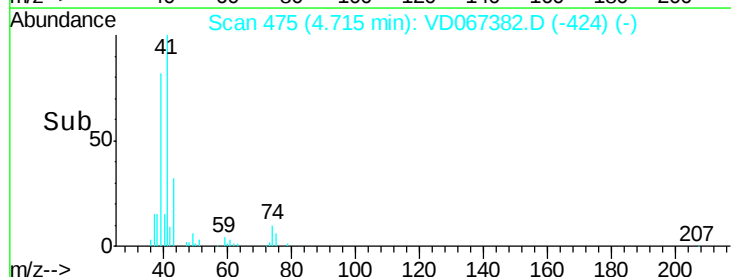
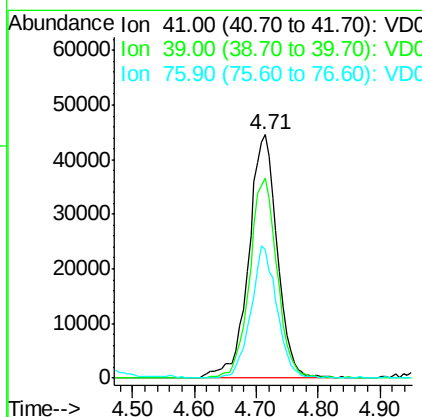
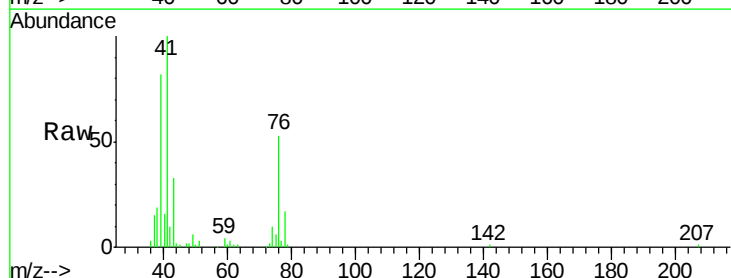
Tgt Ion: 41 Resp: 143099

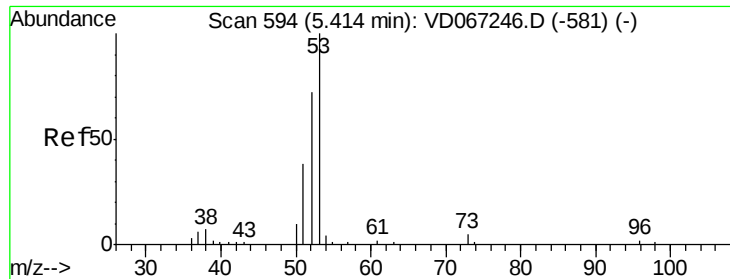
Ion Ratio Lower Upper

41 100

39 78.8 63.8 95.6

76 49.4 40.4 60.6





#15

Acrylonitrile

Concen: 223.914 ug/l

RT: 5.41 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

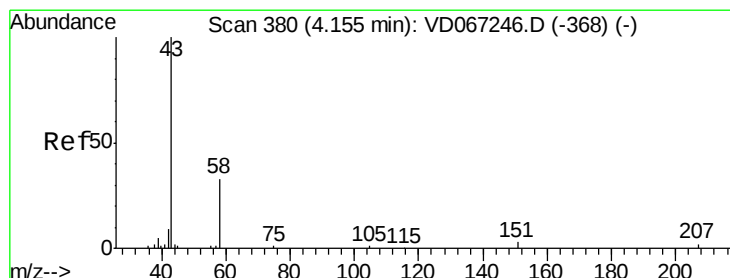
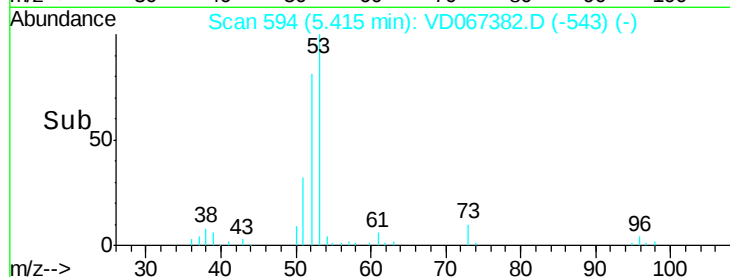
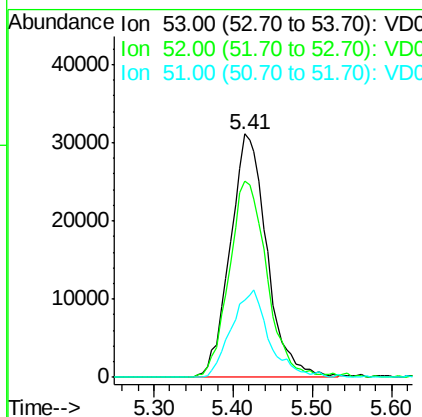
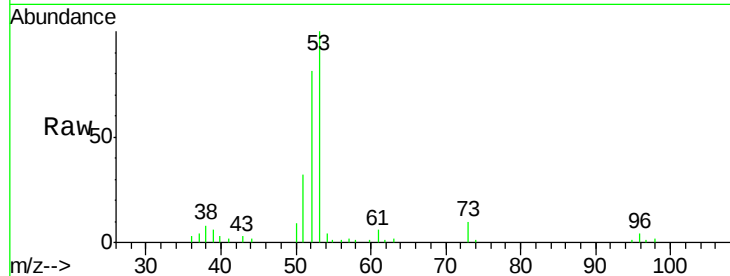
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	100036
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.6	98.4
51	36.5	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 224.608 ug/l

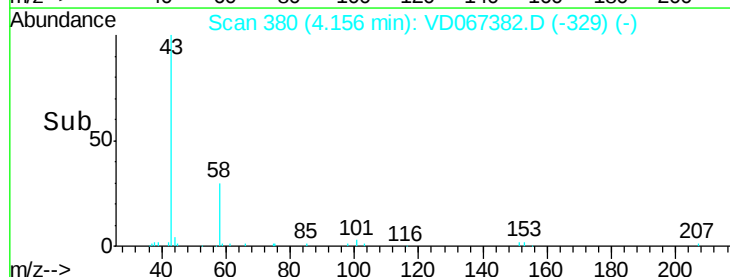
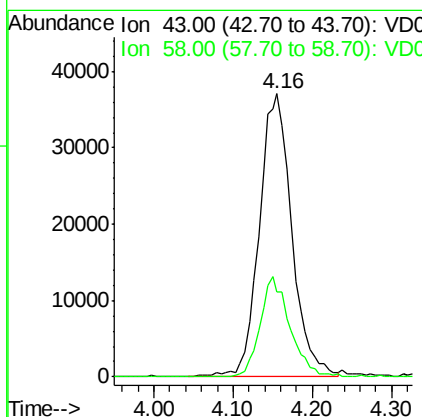
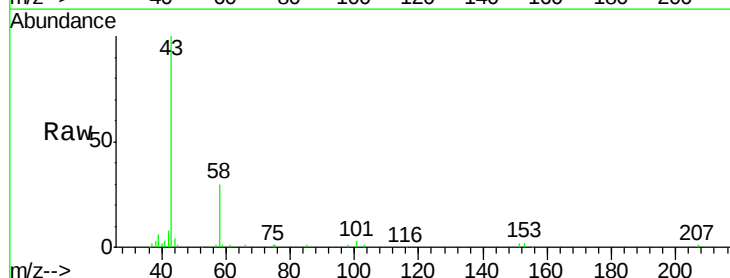
RT: 4.16 min Scan# 380

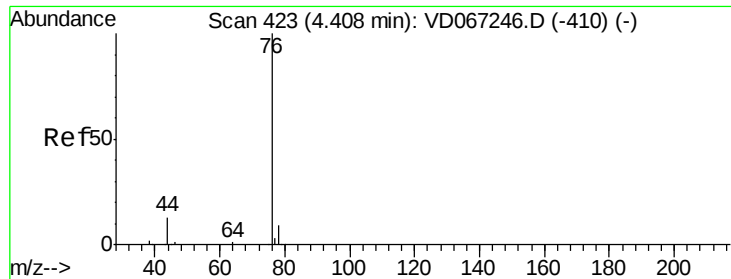
Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Tgt Ion:	43	Resp:	106049
Ion	Ratio	Lower	Upper
43	100		
58	29.8	26.1	39.1





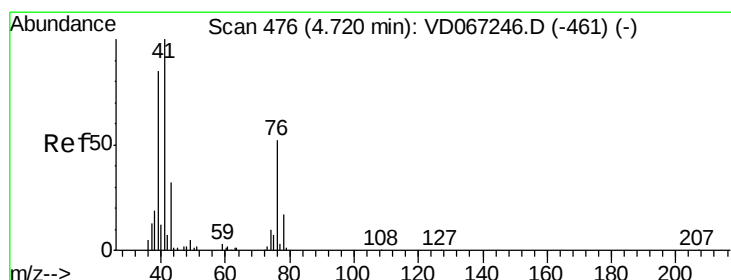
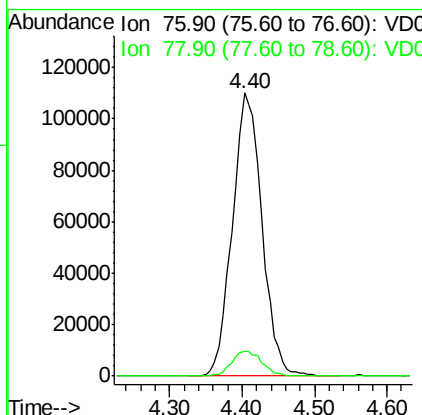
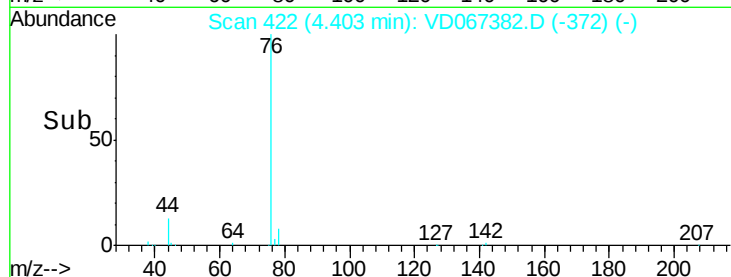
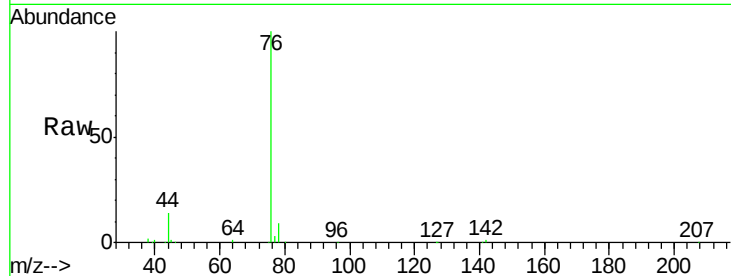
#17
Carbon Disulfide
Concen: 39.429 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

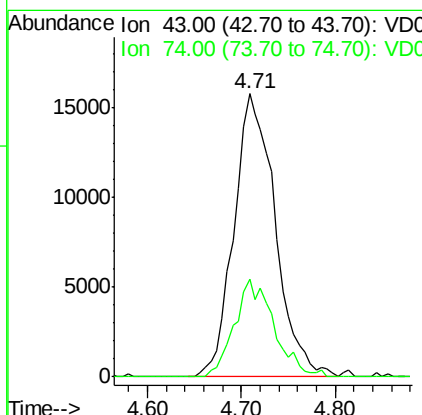
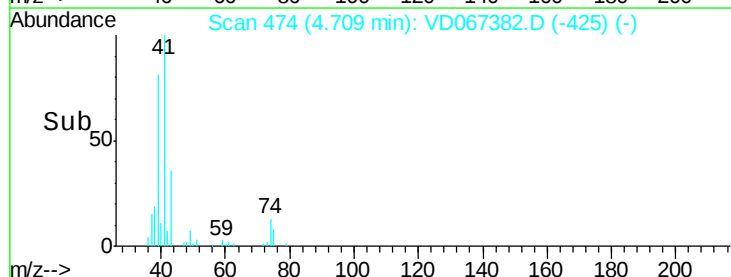
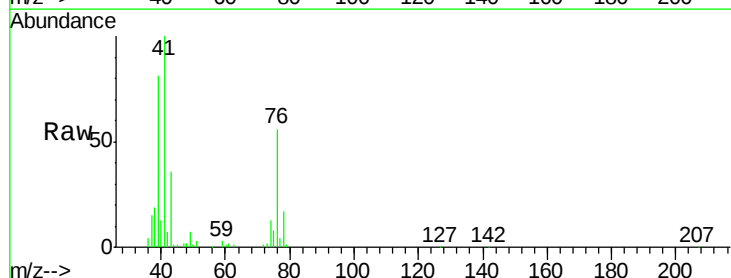
Manual Integrations
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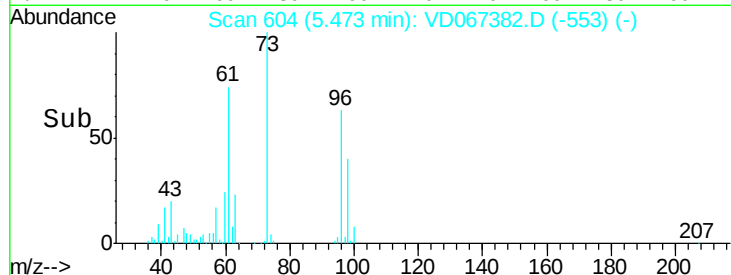
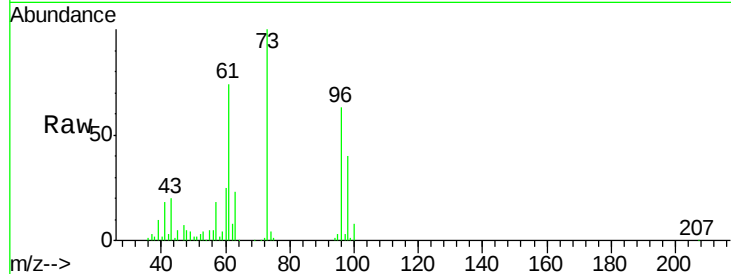
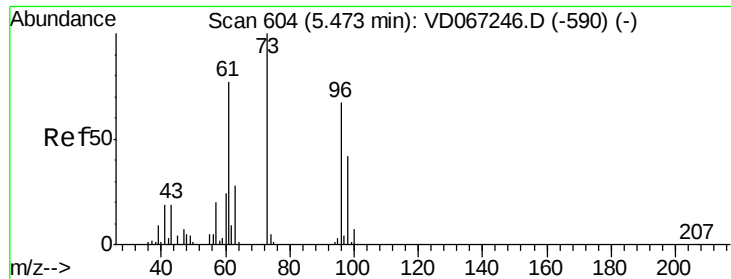
MMDadoda
10/26/2020 1:37:44 PM



#18
Methyl Acetate
Concen: 44.521 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.8	26.6	39.8





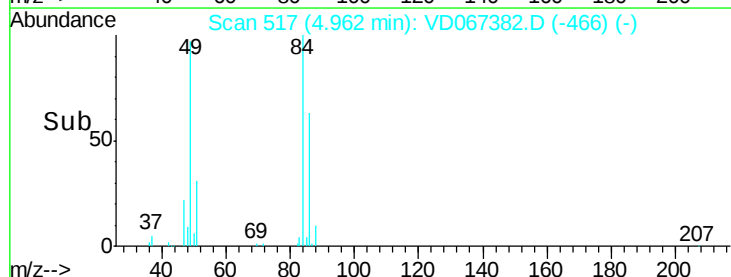
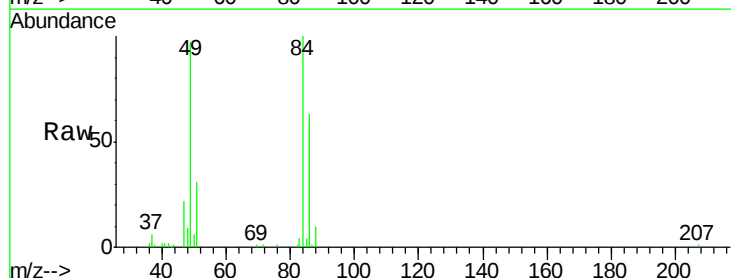
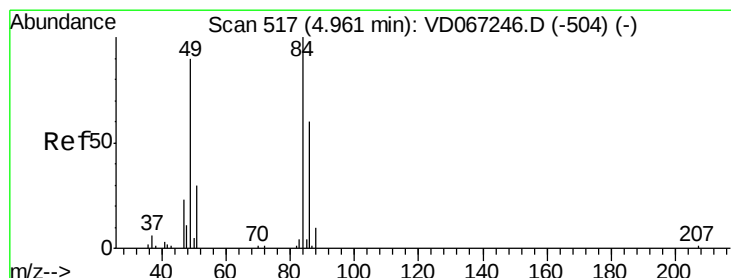
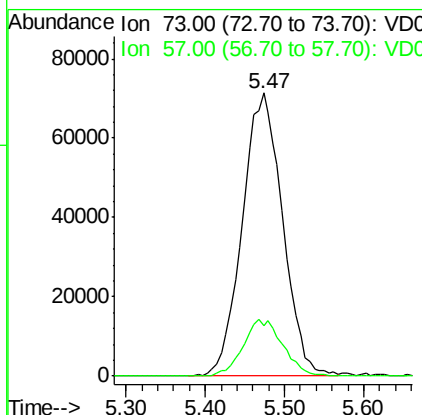
#19
Methvl tert-butvl Ether
Concen: 45.738 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tot Ion: 73 Resp: 252579
Ion Ratio Lower Upper
73 100
57 17.8 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

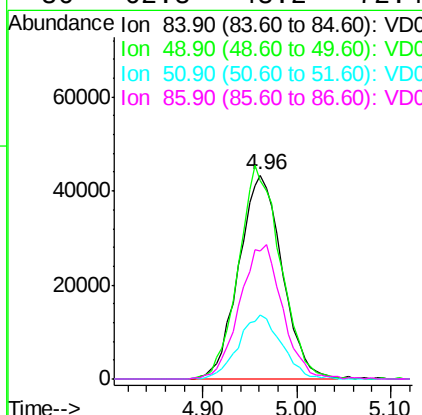
Manual Integrations
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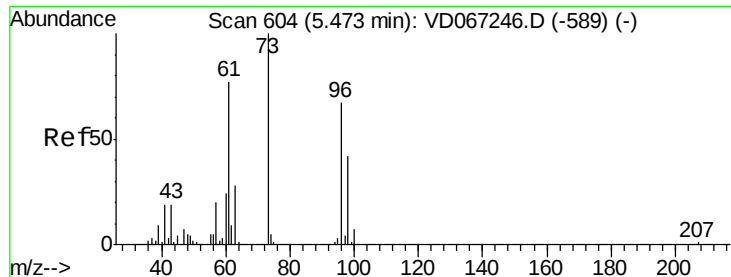
MMDadoda
10/26/2020 1:37:44 PM



#20
Methylene Chloride
Concen: 45.293 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 84 Resp: 138260
Ion Ratio Lower Upper
84 100
49 97.1 72.2 108.2
51 31.3 23.8 35.8
86 62.8 48.2 72.4





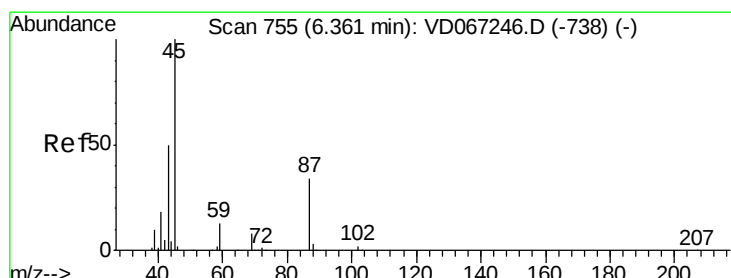
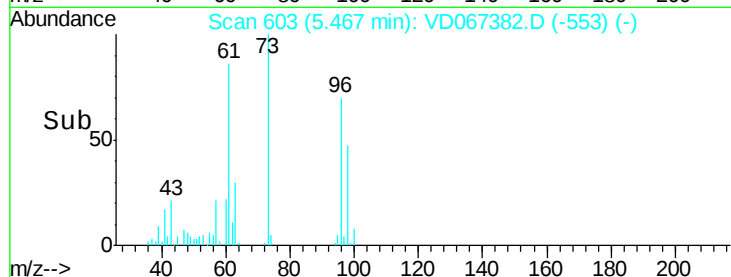
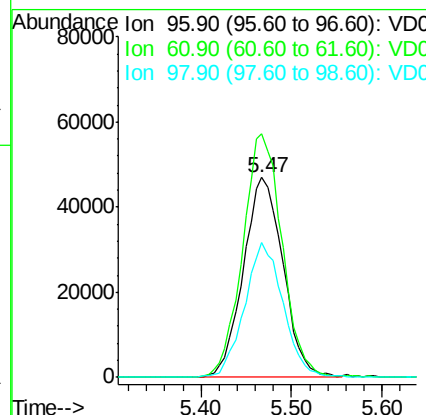
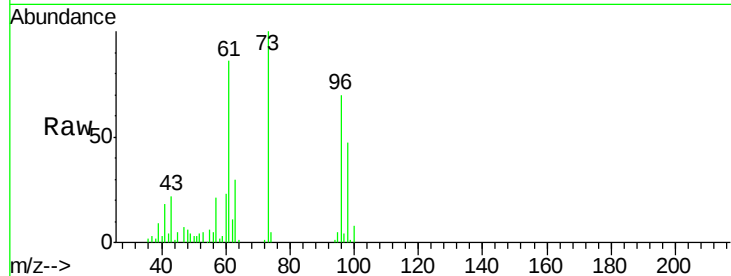
#21
trans-1,2-Dichloroethene
Concen: 44.913 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.4	92.0	138.0
98	67.2	49.8	74.8

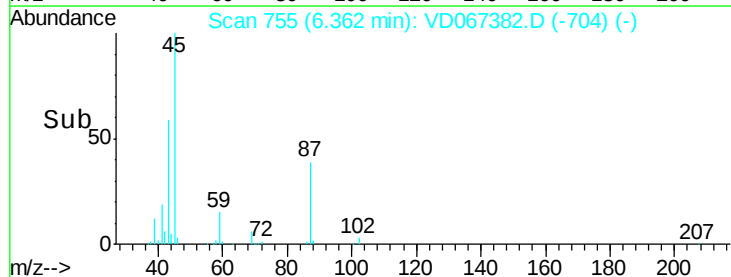
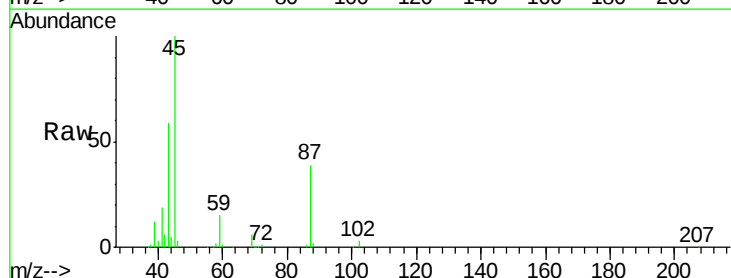
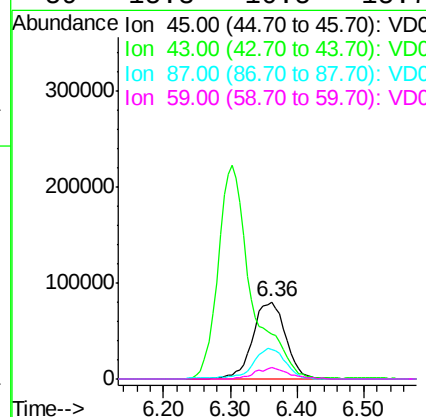
Manual Integrations
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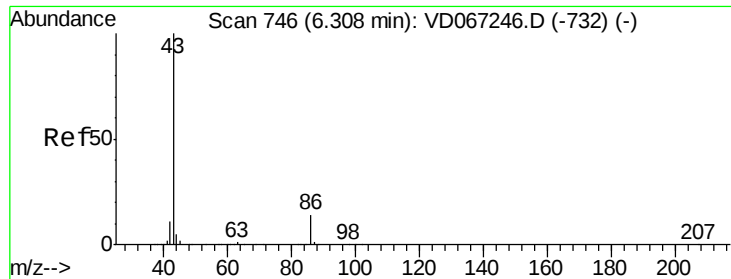
MMDadoda
10/26/2020 1:37:44 PM



#22
Diisopropyl ether
Concen: 47.102 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	48.0	72.0
87	38.3	28.5	42.7
59	15.3	10.5	15.7





#23

Vinyl Acetate

Concen: 235.779 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 779349

Ion Ratio Lower Upper

43 100

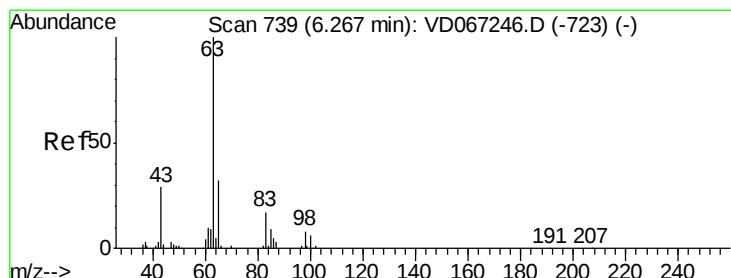
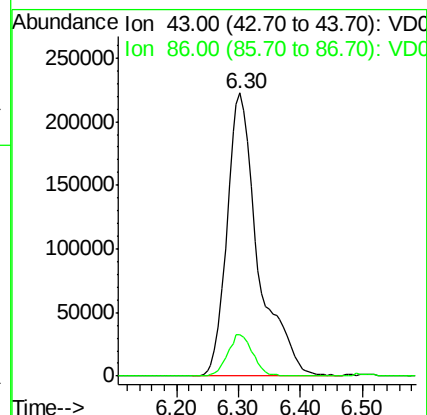
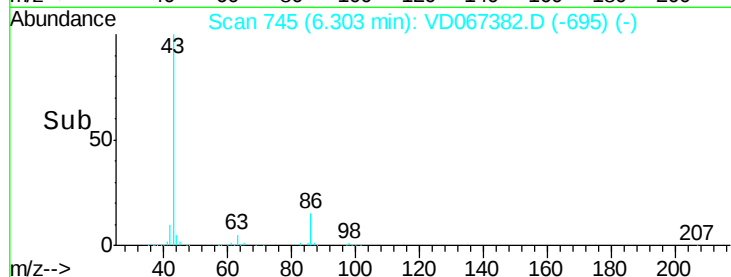
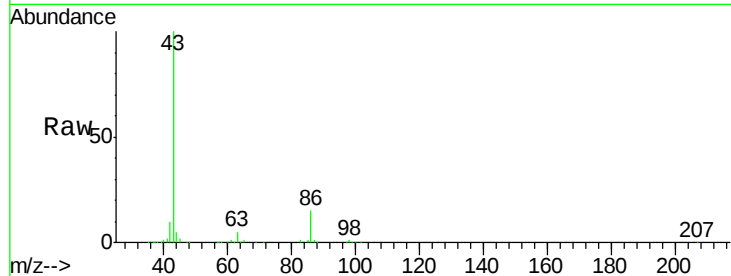
86 14.8 11.0 16.6

Manual Integrations

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MMDadoda

10/26/2020 1:37:44 PM



#24

1,1-Dichloroethane

Concen: 45.233 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

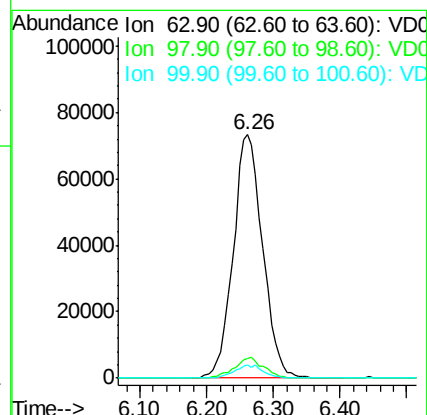
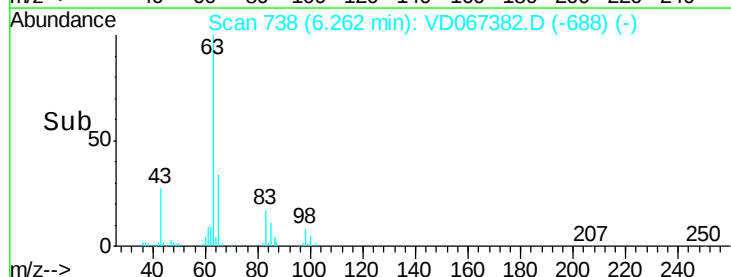
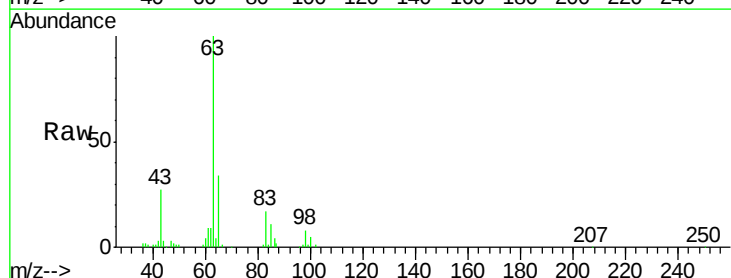
Tgt Ion: 63 Resp: 224962

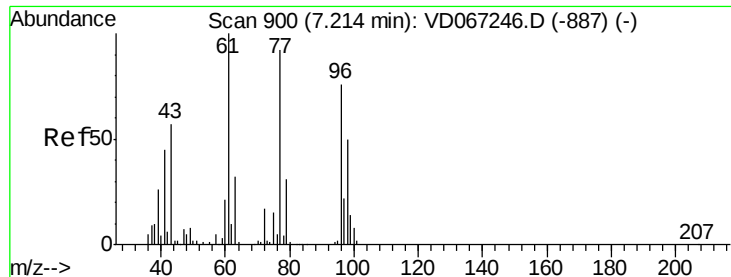
Ion Ratio Lower Upper

63 100

98 8.2 4.0 12.2

100 5.3 2.8 8.4





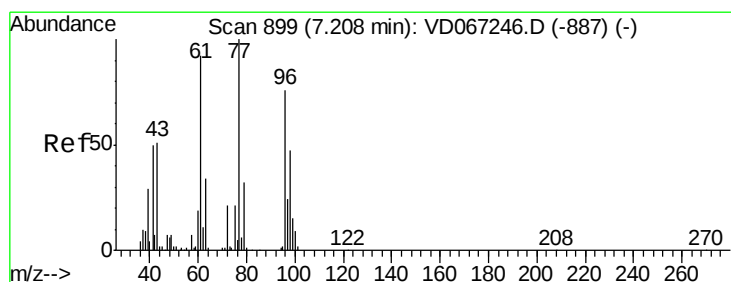
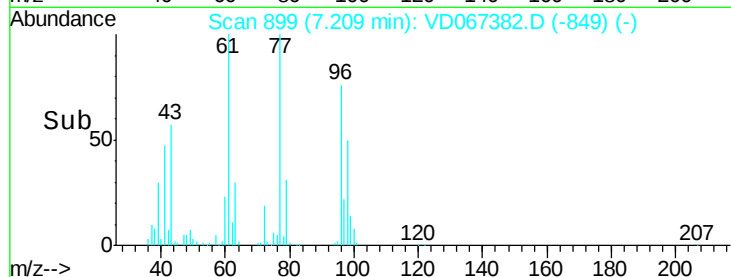
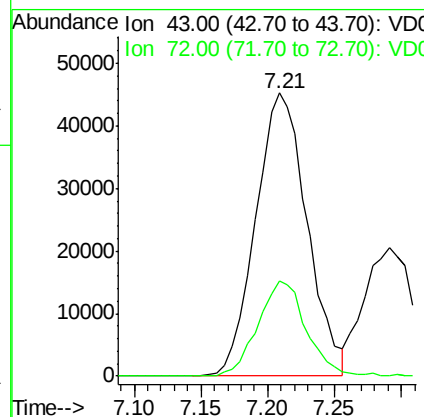
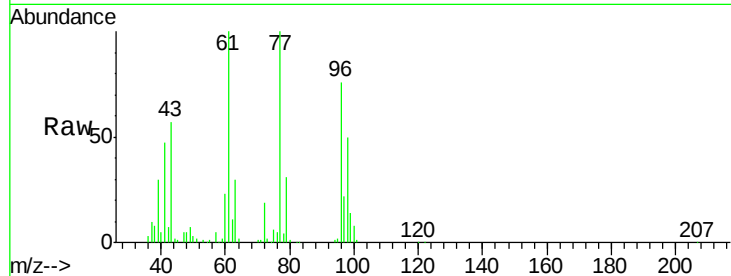
#25
2-Butanone
Concen: 223.954 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 120533
Ion Ratio Lower Upper
43 100
72 33.5 23.7 35.5

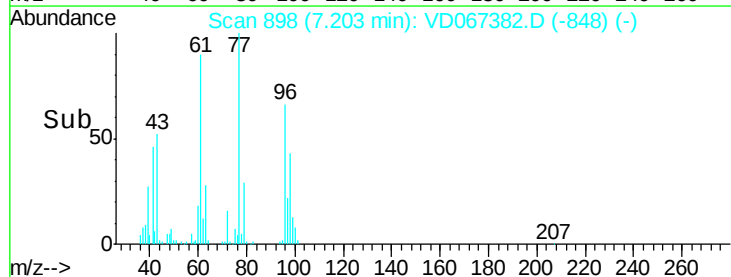
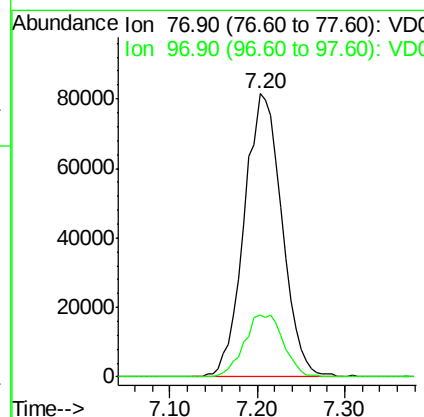
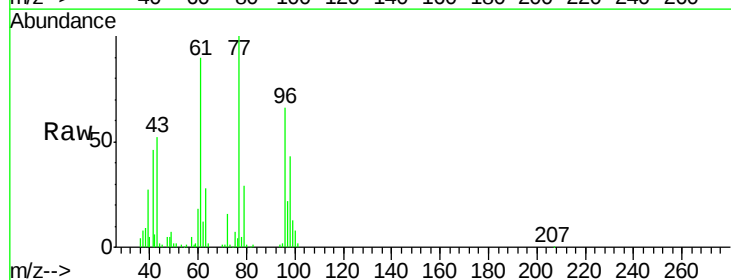
Manual Integrations
APPROVED

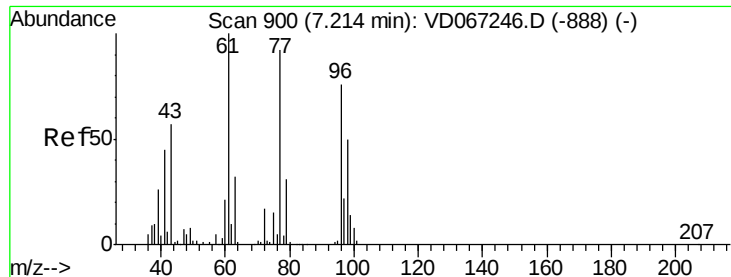
MMDadoda
10/26/2020 1:37:44 PM



#26
2,2-Dichloropropane
Concen: 46.609 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 77 Resp: 238926
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.2





#27

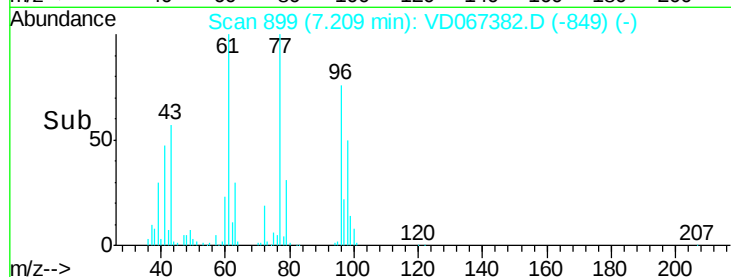
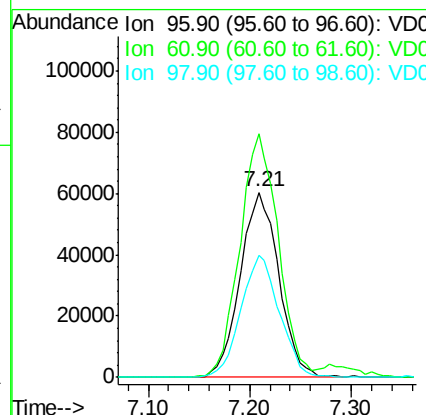
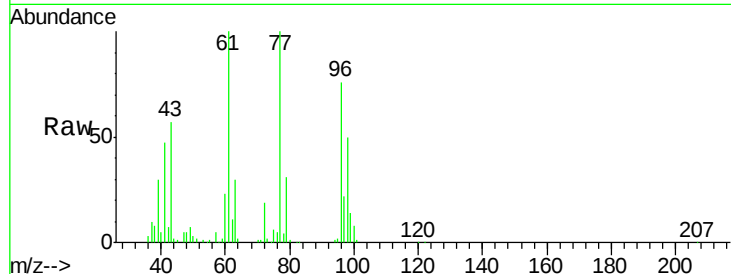
cis-1,2-Dichloroethene
Concen: 45.589 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	159688		
61	130.7		0.0	255.4
98	65.5		0.0	128.0

Manual Integrations
APPROVED

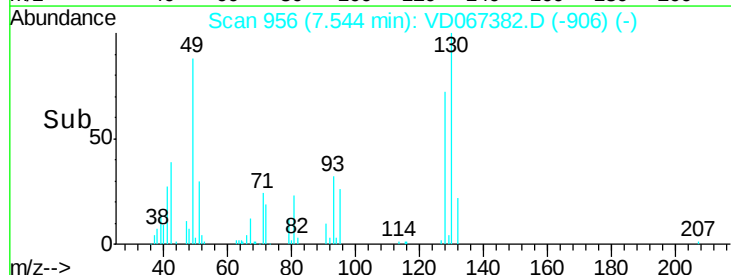
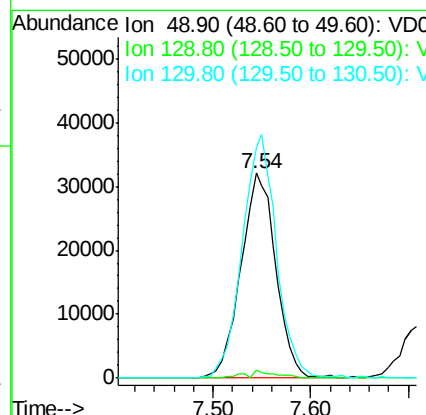
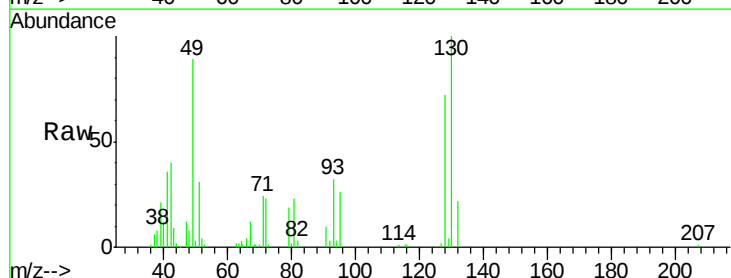
MMDadoda
10/26/2020 1:37:44 PM

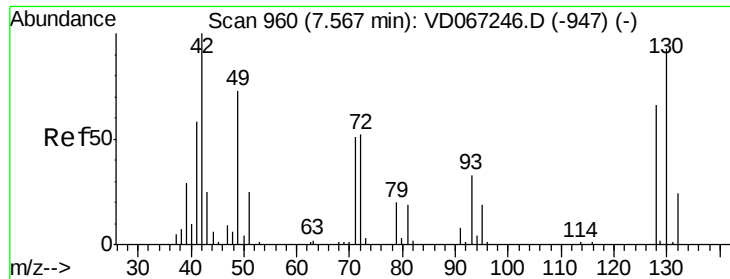


#28

Bromochloromethane
Concen: 47.284 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80211		
129	3.1		0.0	1.6#
130	116.0		91.0	136.6





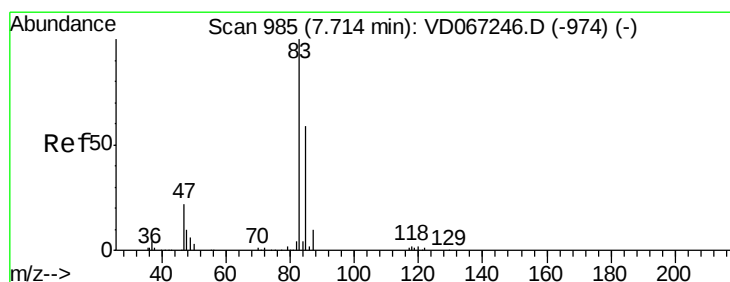
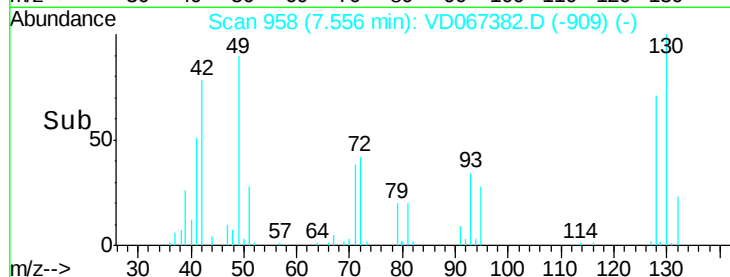
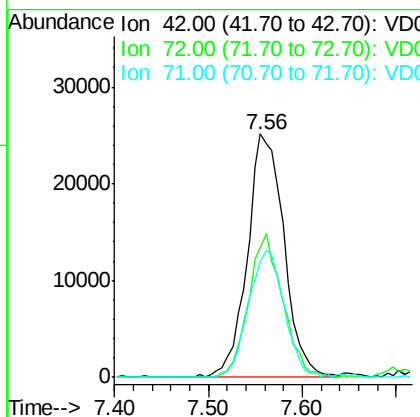
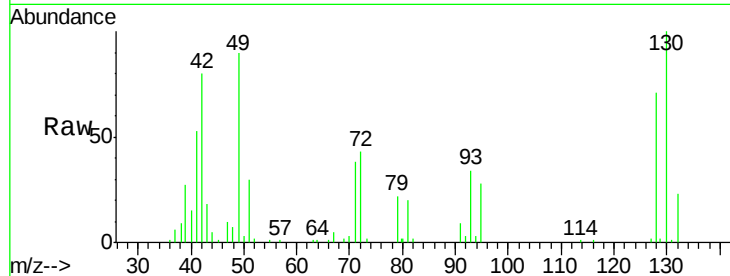
#29
Tetrahydrofuran
Concen: 227.216 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.9	43.2	64.8
71	50.9	39.4	59.0

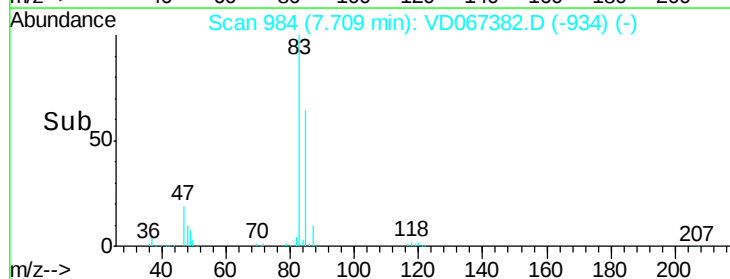
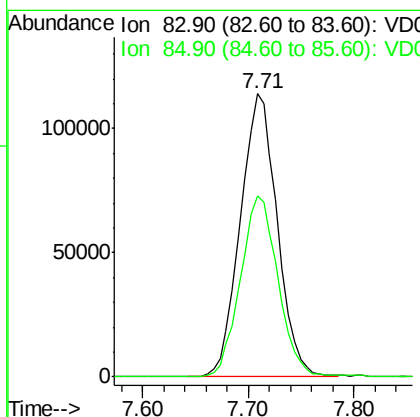
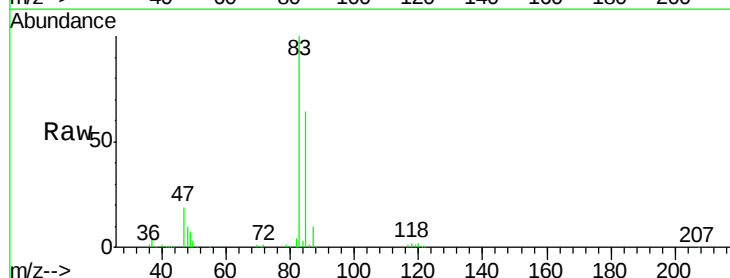
Manual Integrations
APPROVED

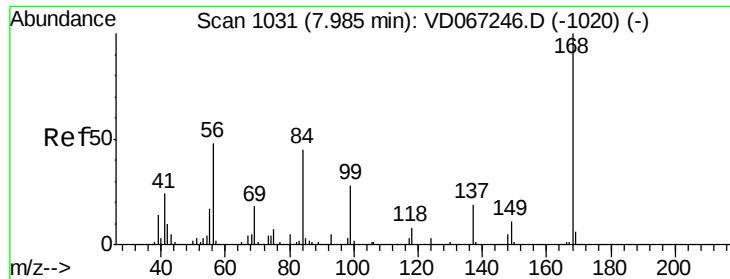
MMDadoda
10/26/2020 1:37:44 PM



#30
Chloroform
Concen: 46.590 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	47.3	70.9





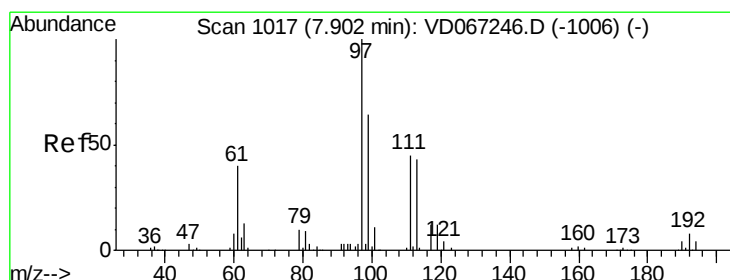
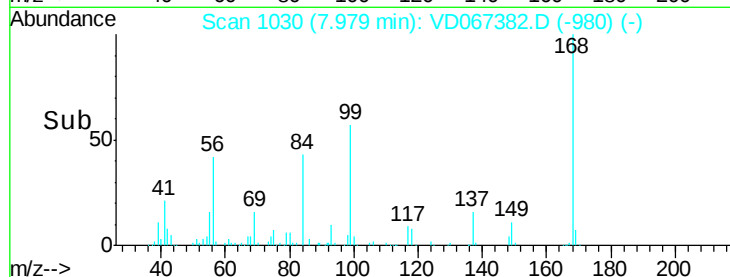
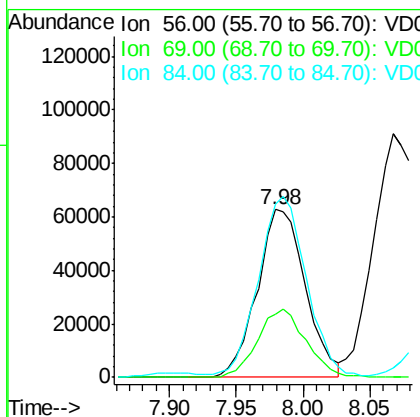
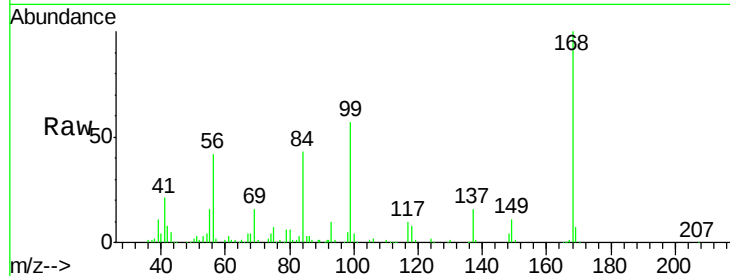
#31
Cyclohexane
Concen: 40.493 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	157237
Ion	Ratio	Lower	Upper
56	100		
69	36.9	29.8	44.6
84	100.9	76.6	114.8

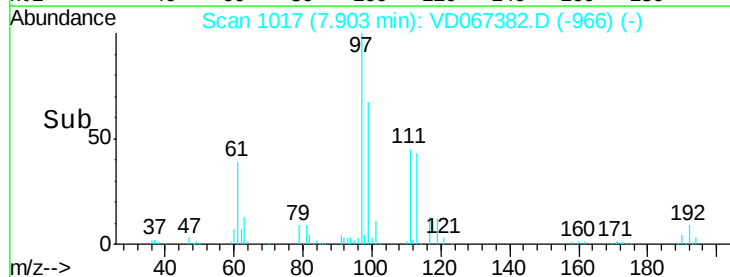
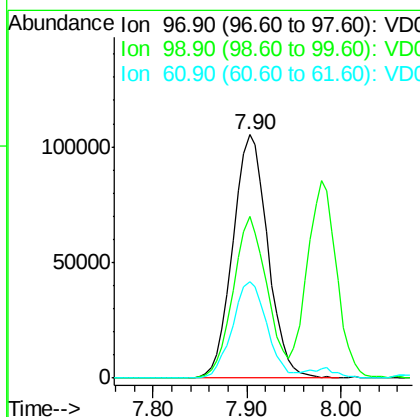
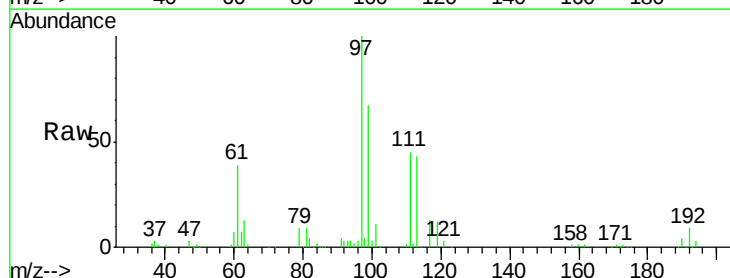
Manual Integrations
APPROVED

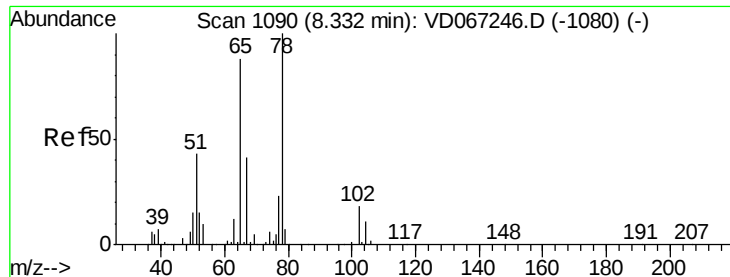
MMDadoda
10/26/2020 1:37:44 PM



#32
1,1,1-Trichloroethane
Concen: 46.583 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	97	Resp	271545
Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.2	75.4
61	39.4	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 44.498 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 150018

Ion Ratio Lower Upper

65 100

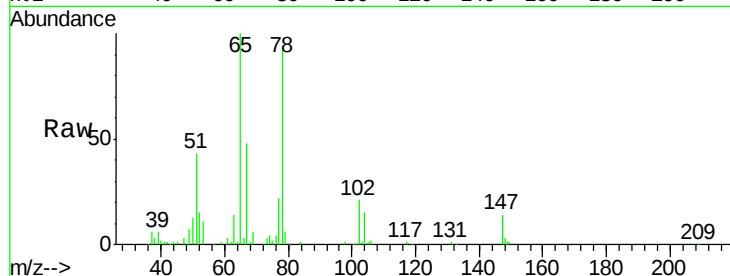
67 51.4 0.0 103.8

Manual Integrations

APPROVED

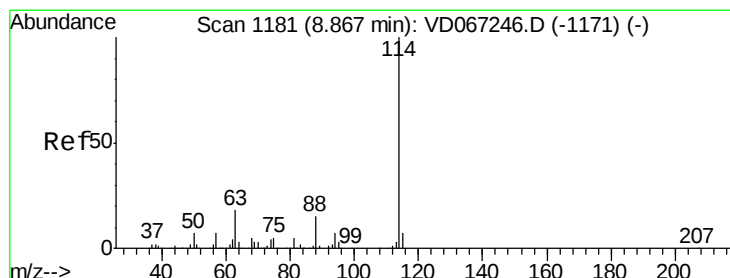
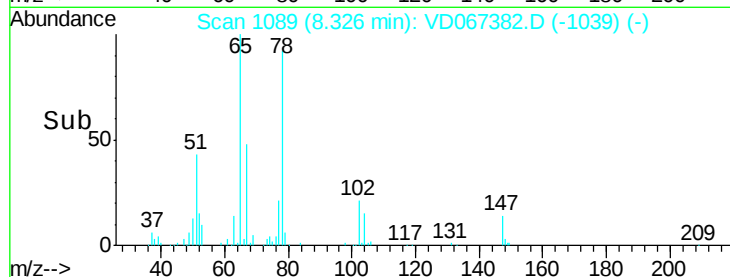
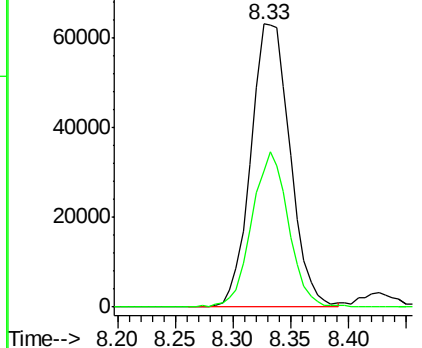
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

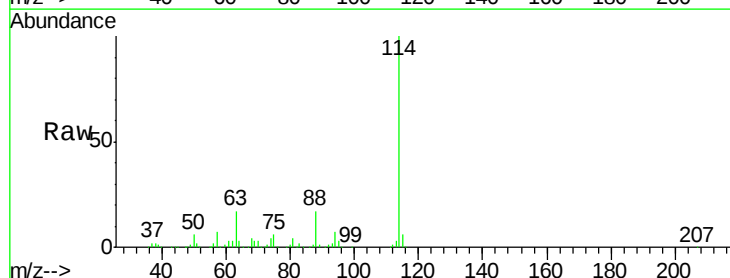
Tgt Ion: 114 Resp: 484675

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

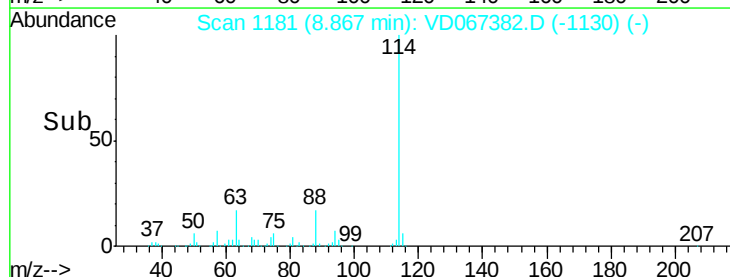
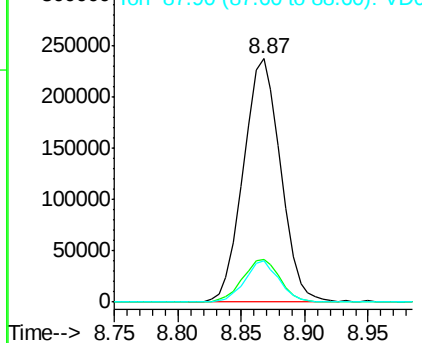
88 16.9 0.0 30.6

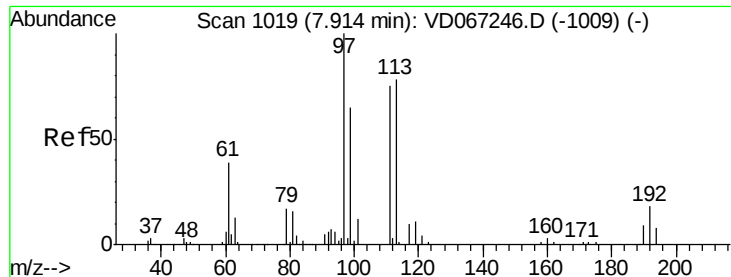


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





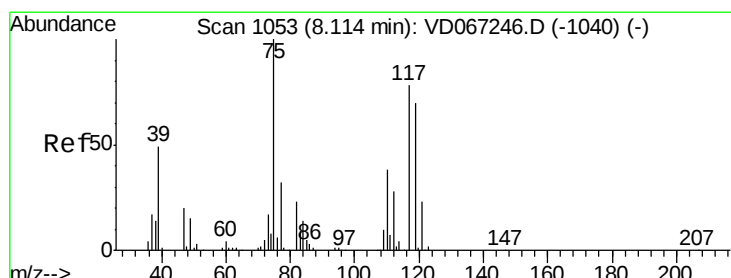
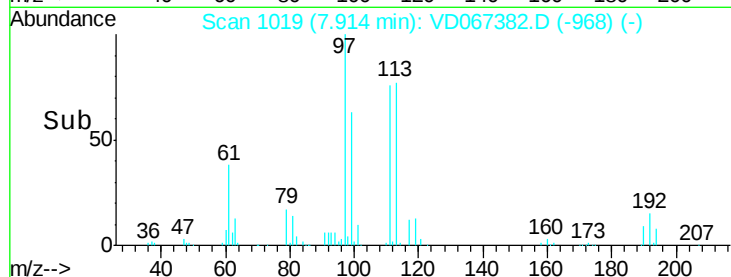
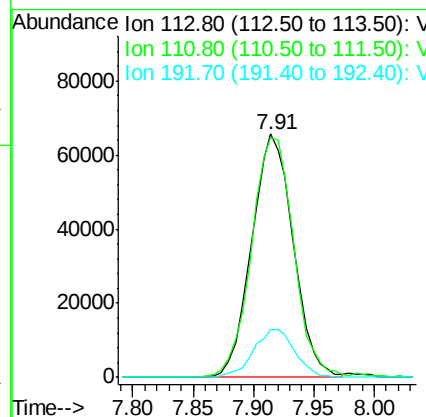
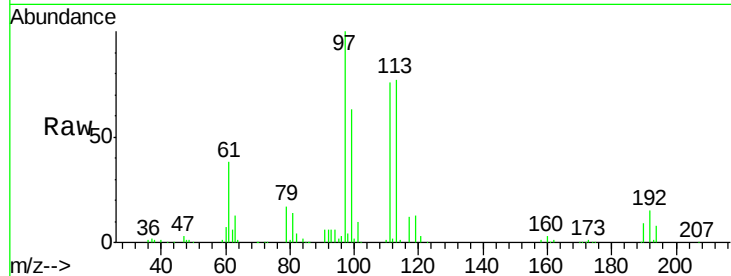
#35
Dibromofluoromethane
Concen: 48.847 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157556		
111	100.4	81.6	122.4	
192	19.7	17.0	25.4	

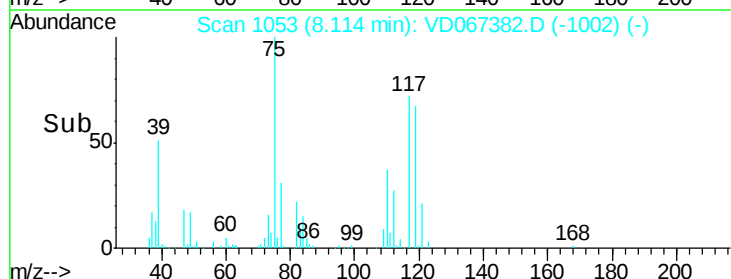
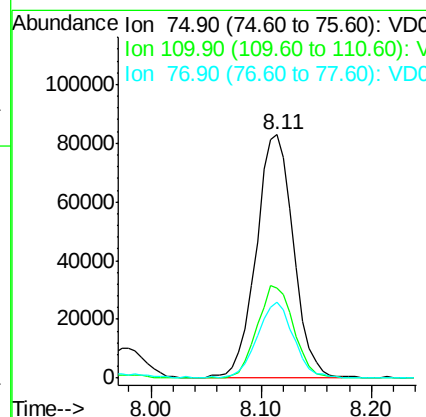
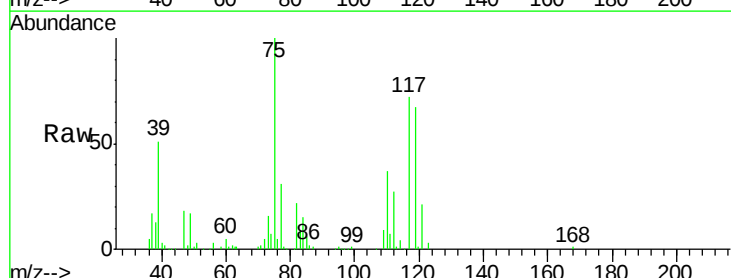
Manual Integrations
APPROVED

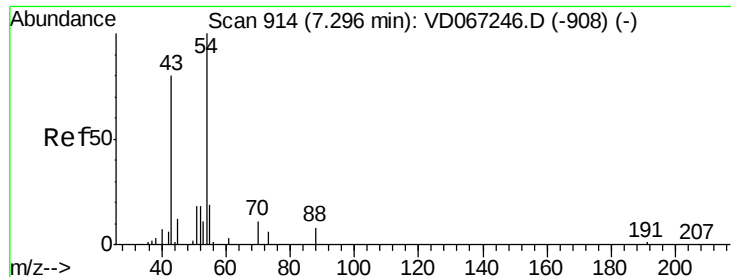
MMDadoda
10/26/2020 1:37:44 PM



#36
1,1-Dichloropropene
Concen: 47.822 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	196450		
110	37.2	19.6	58.7	
77	30.6	24.6	37.0	





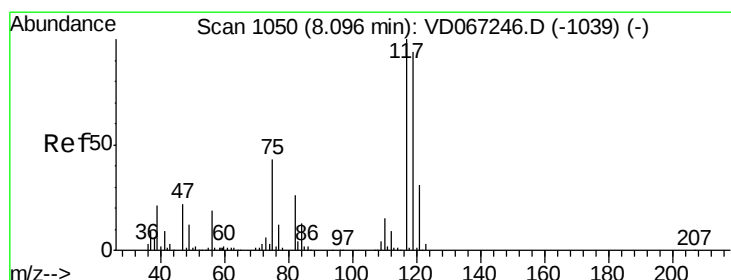
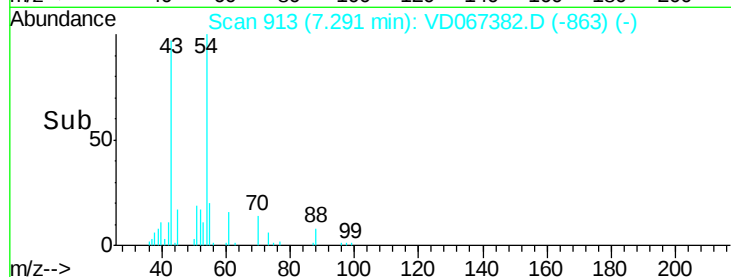
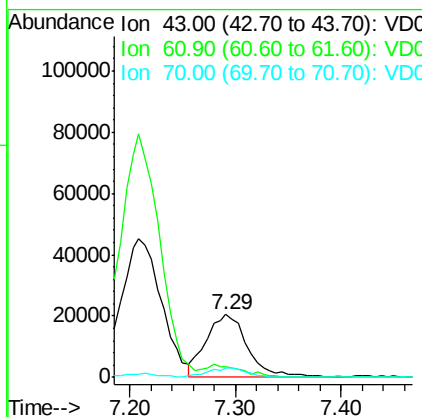
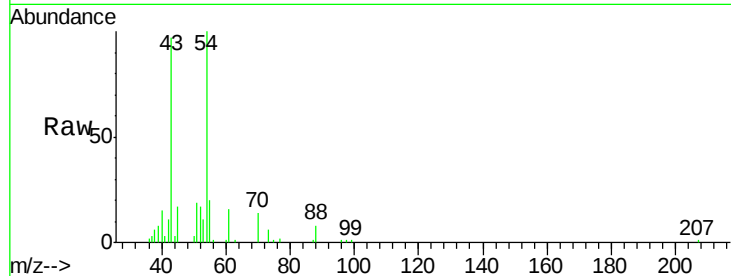
#37
Ethyl Acetate
Concen: 46.668 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	15.6	23.4
70	14.0	10.4	15.6

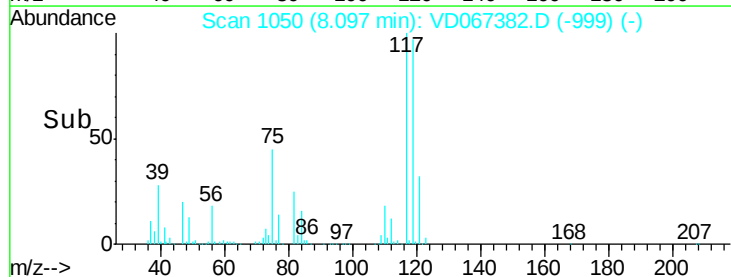
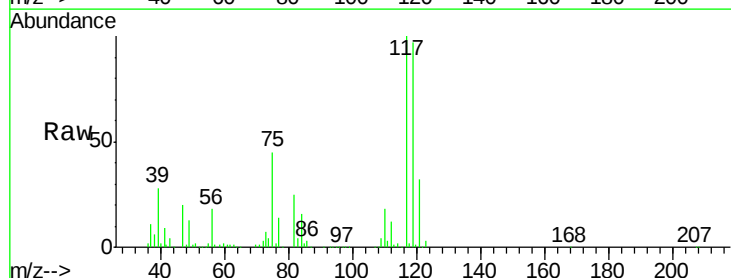
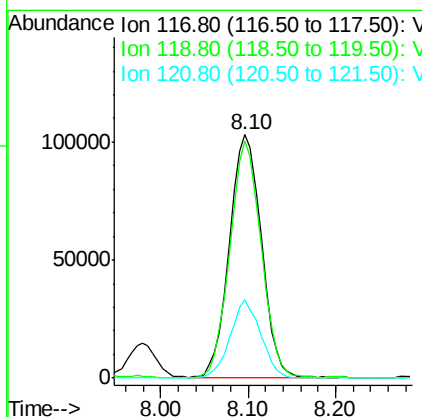
Manual Integrations
APPROVED

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10/26/2020 1:37:44 PM



#38
Carbon Tetrachloride
Concen: 48.633 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.0	112.4
121	32.2	24.9	37.3





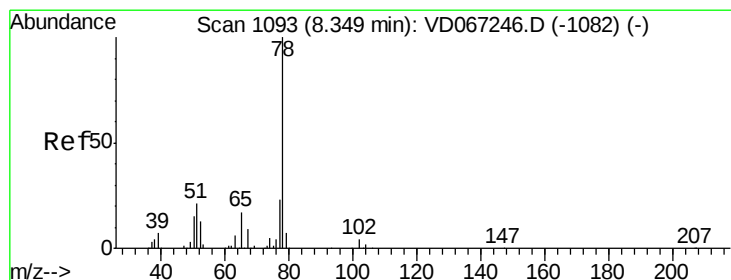
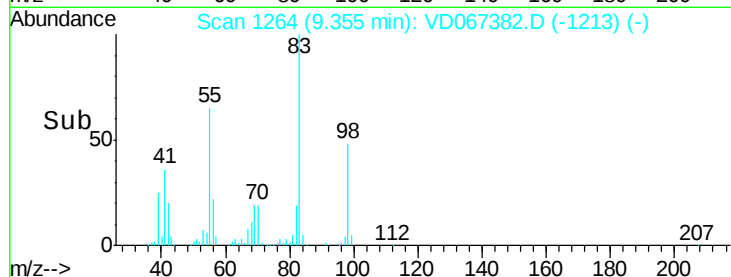
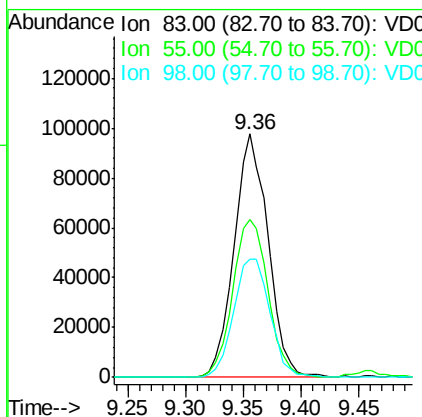
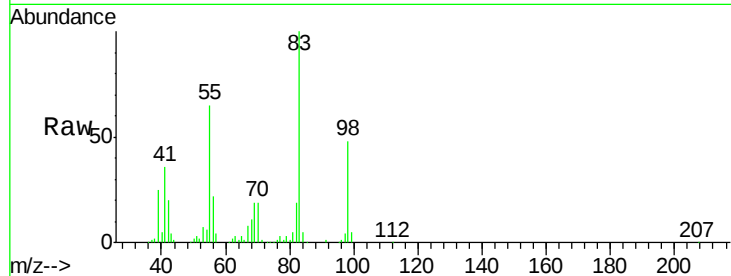
#39
Methylvlcvclohexane
Concen: 46.489 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199651		
55	64.6	53.3	79.9	
98	48.4	41.0	61.4	

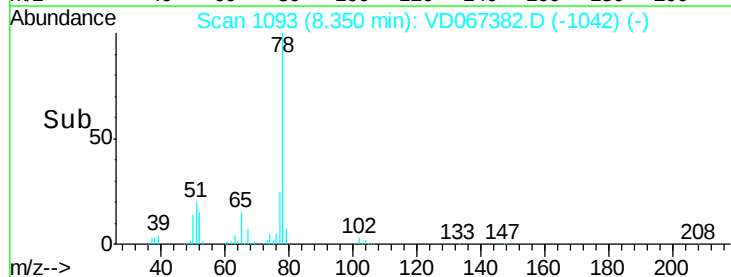
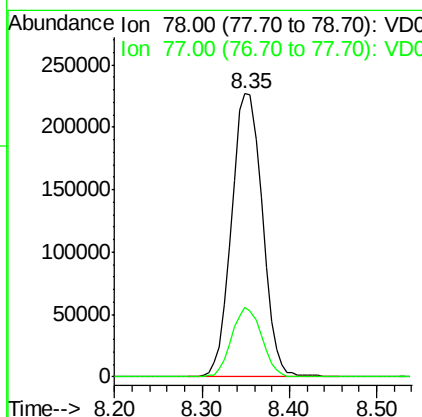
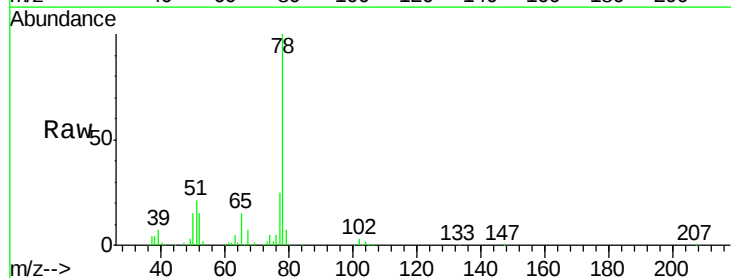
Manual Integrations
APPROVED

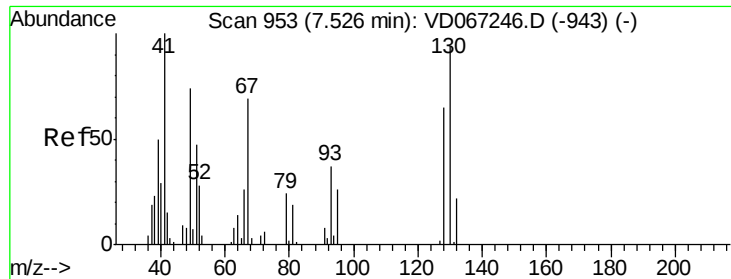
MMDadoda
10/26/2020 1:37:44 PM



#40
Benzene
Concen: 48.224 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	543475		
77	24.7	18.3	27.5	





#41

Methacrylonitrile

Concen: 59.185 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 38655

Ion Ratio Lower Upper

41 100

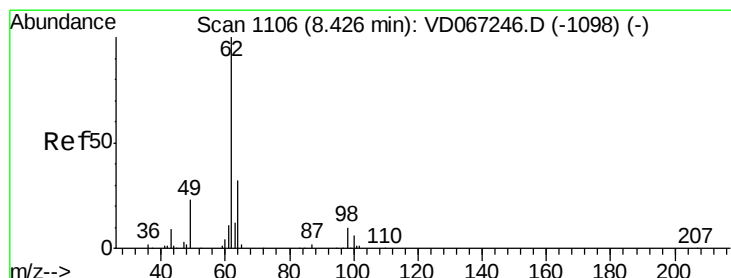
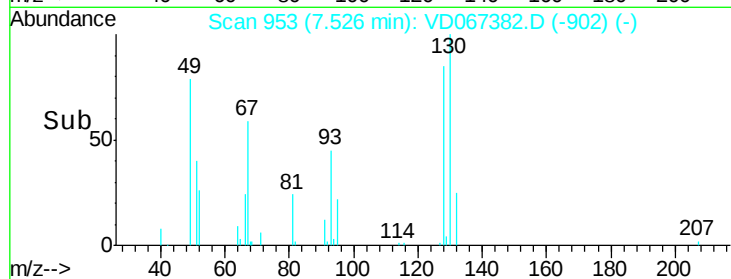
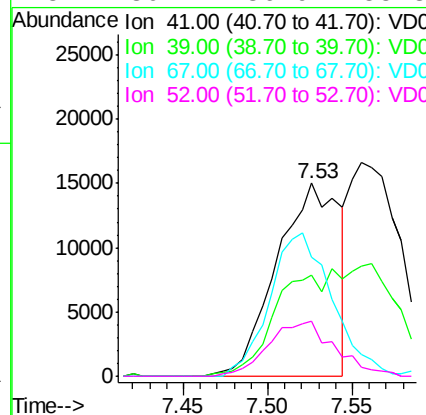
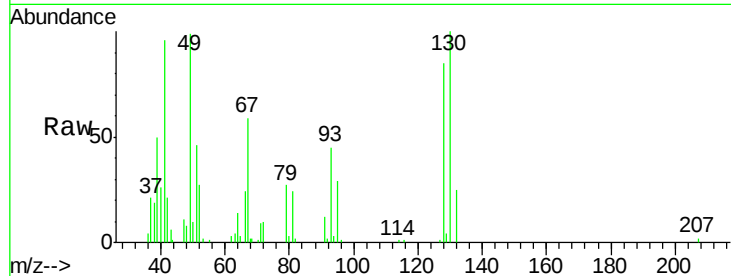
39 42.3 60.0 90.0#

67 74.0 88.9 133.3#

52 30.2 36.9 55.3#

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:44 PM



#42

1,2-Dichloroethane

Concen: 46.526 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067382.D

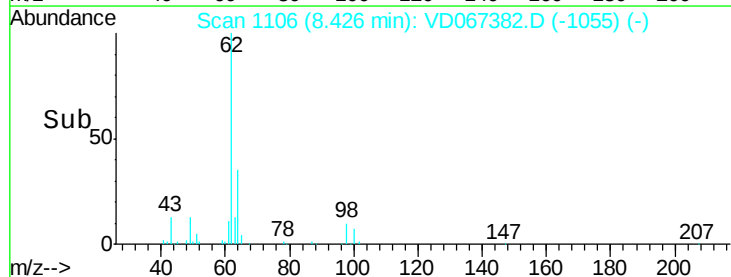
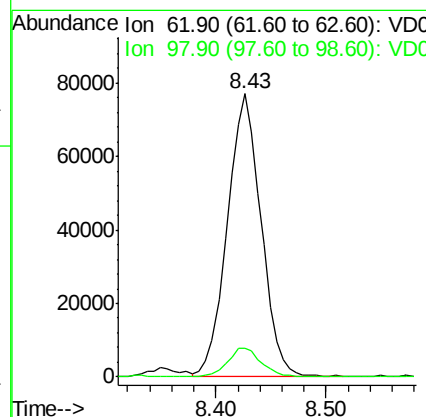
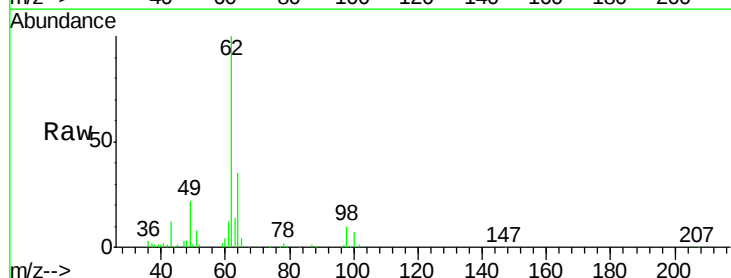
Acq: 23 Oct 2020 16:27

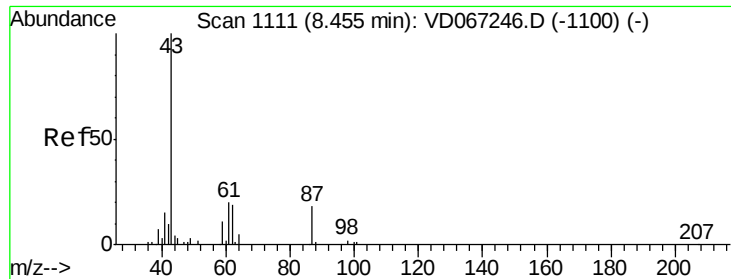
Tgt Ion: 62 Resp: 164088

Ion Ratio Lower Upper

62 100

98 10.1 0.0 19.4





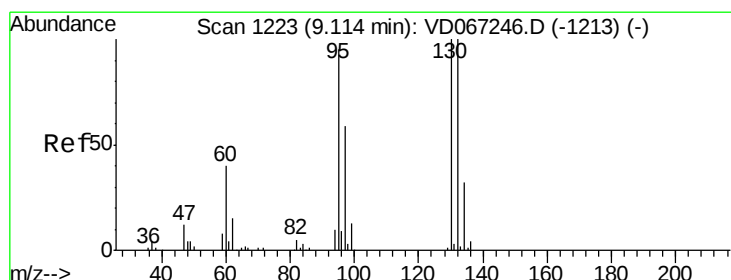
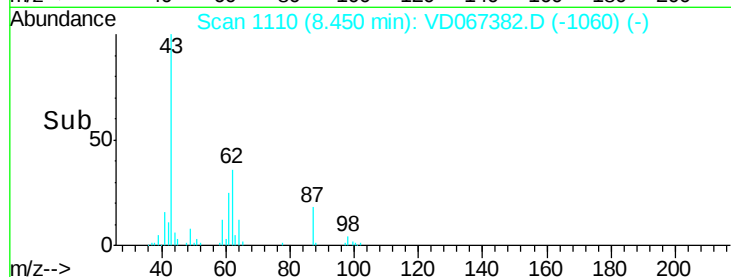
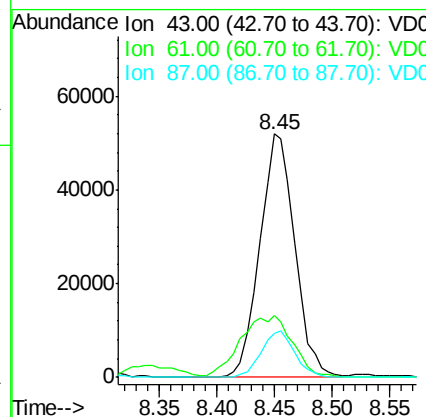
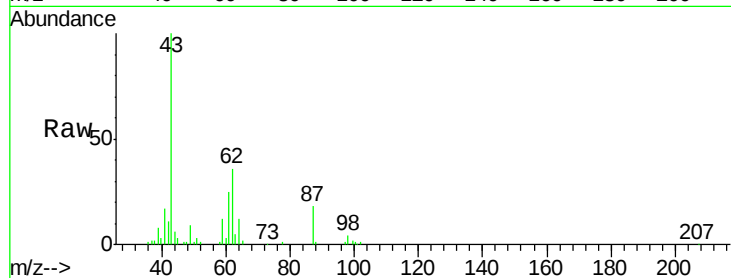
#43
Isopropyl Acetate
Concen: 45.806 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.5	29.5	44.3
87	18.2	14.2	21.4

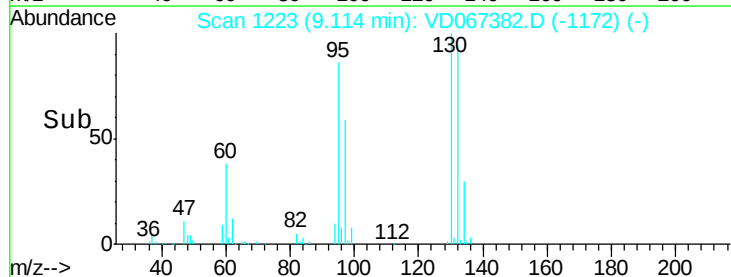
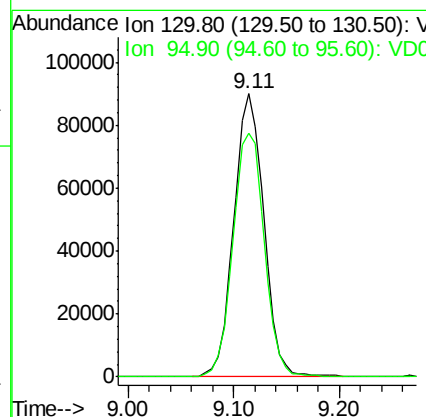
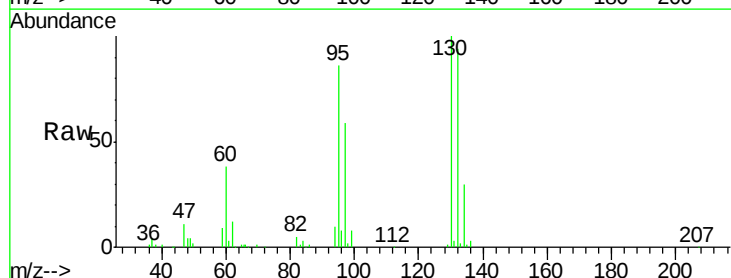
Manual Integrations
APPROVED

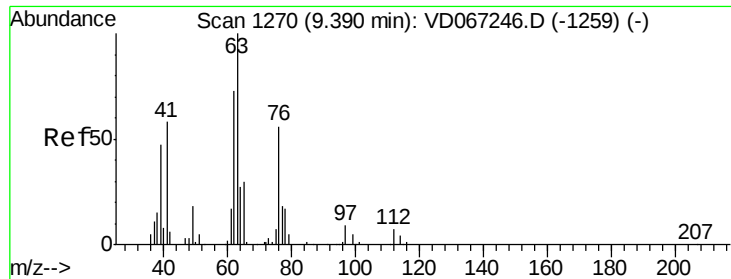
MMDadoda
10/26/2020 1:37:44 PM



#44
Trichloroethene
Concen: 49.011 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.9	0.0	190.6





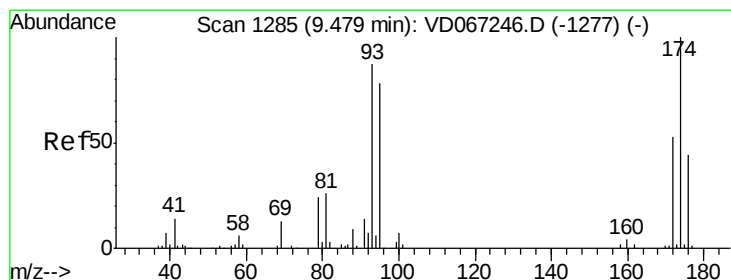
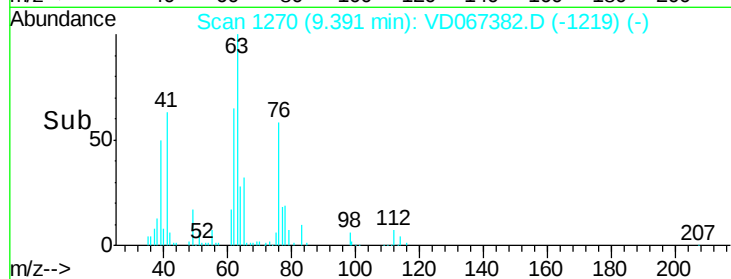
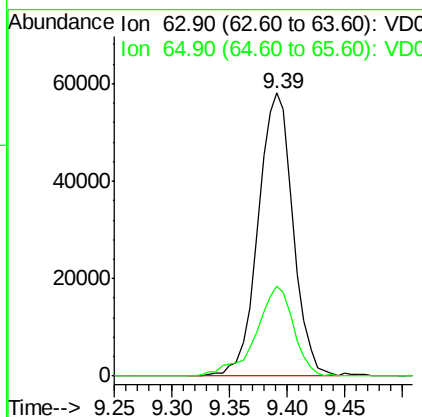
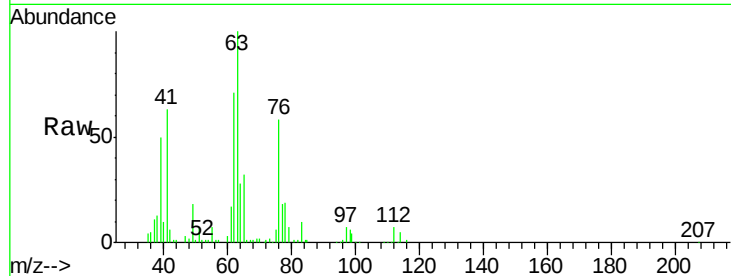
#45
 1,2-Dichloropropane
 Concen: 46.705 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	36.8

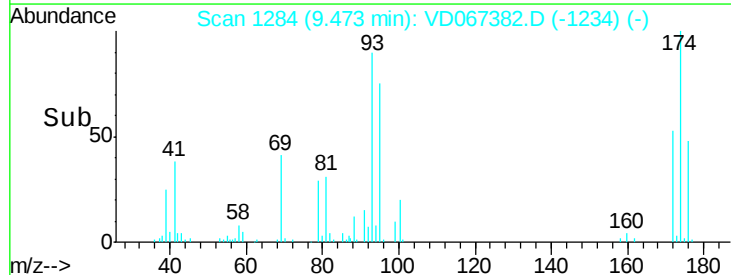
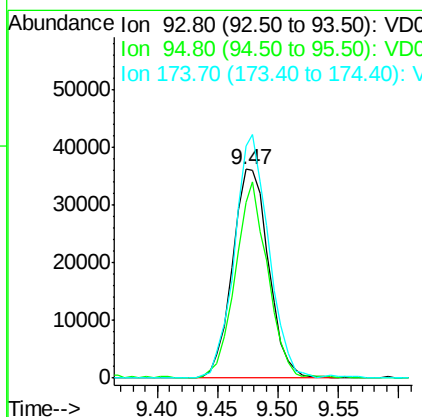
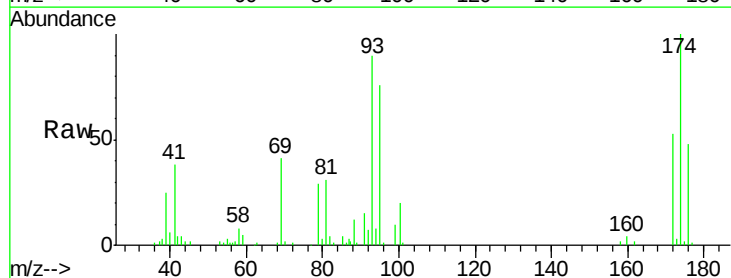
Manual Integrations
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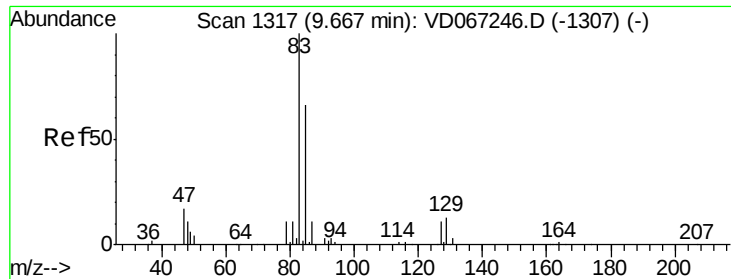
MMDadoda
 10/26/2020 1:37:44 PM



#46
 Dibromomethane
 Concen: 46.435 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	68.0	102.0
174	110.0	91.8	137.6





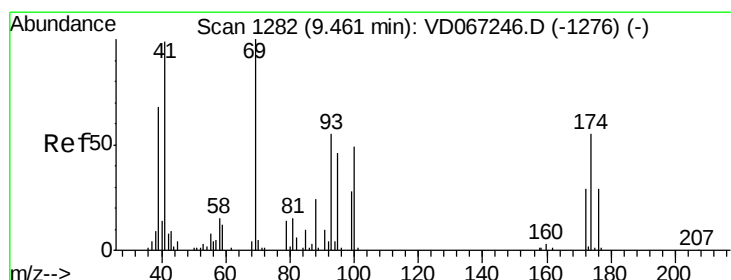
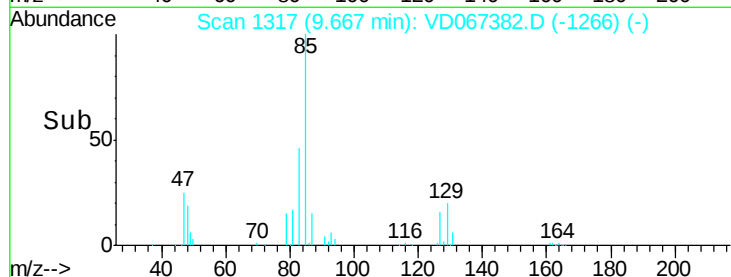
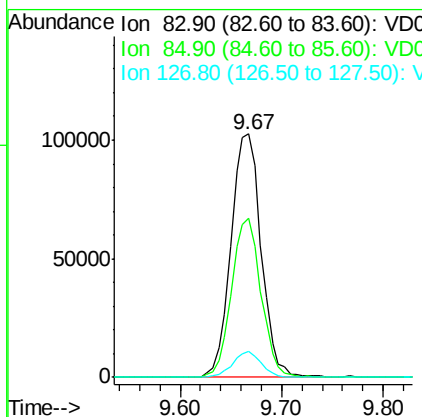
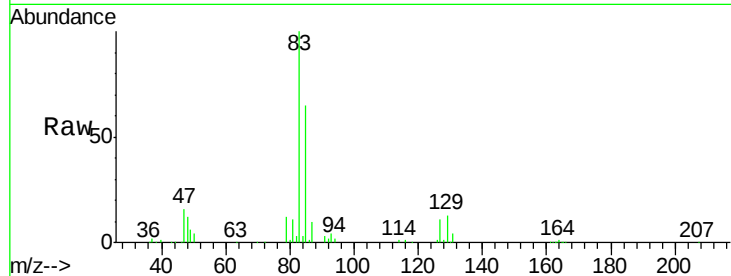
#47
Bromodichloromethane
Concen: 48.651 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	212115		
85	65.4	53.1	79.7	
127	10.5	8.6	13.0	

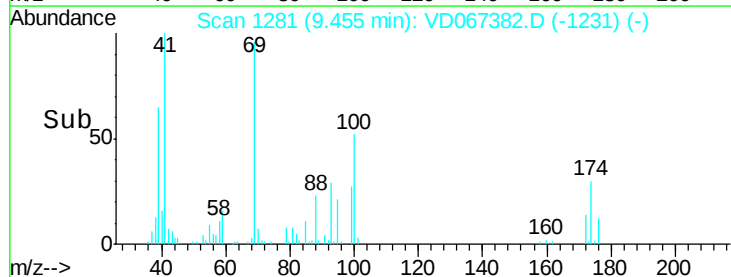
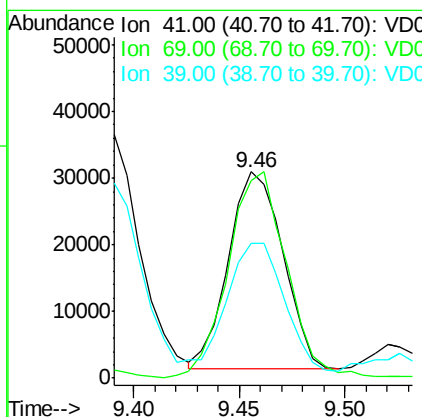
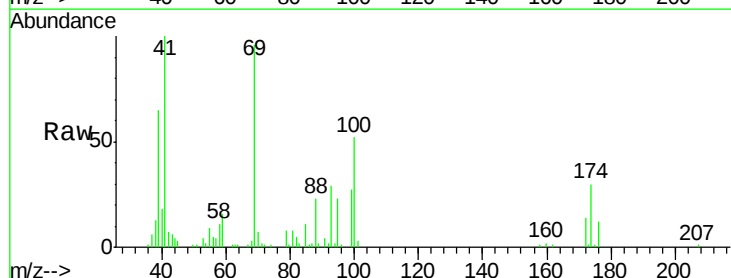
Manual Integrations
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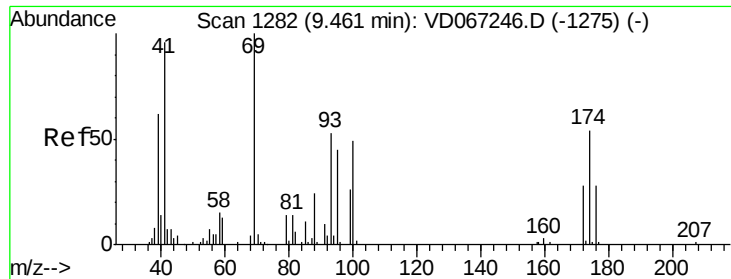
MMDadoda
10/26/2020 1:37:44 PM



#48
Methyl methacrylate
Concen: 45.337 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	52839		
69	113.5	89.0	133.6	
39	74.4	60.2	90.2	





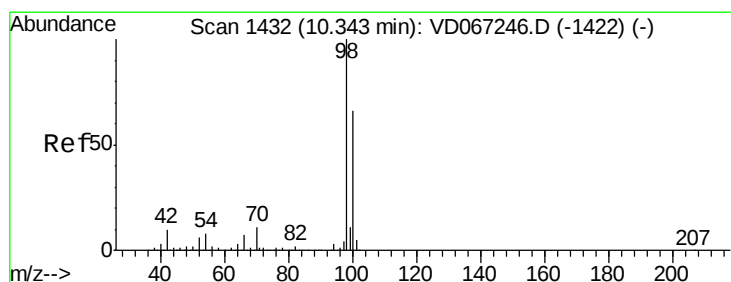
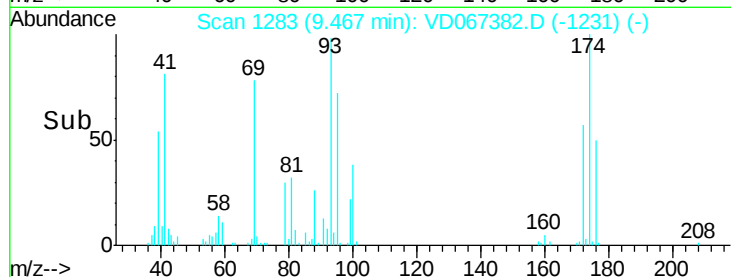
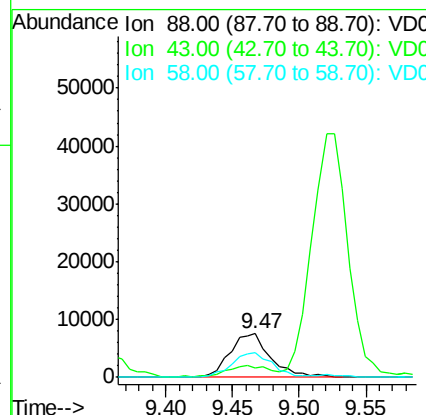
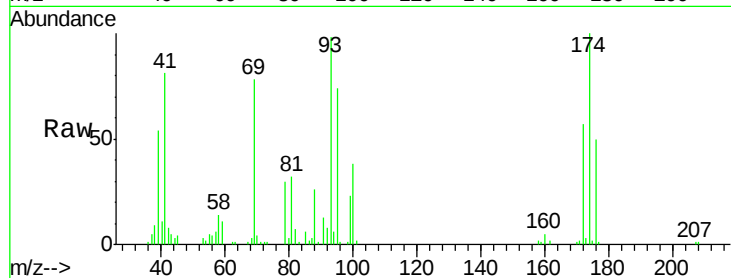
#49
1,4-Dioxane
Concen: 1020.304 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp:	16058
Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.9	35.9
58	55.8	51.0	76.6

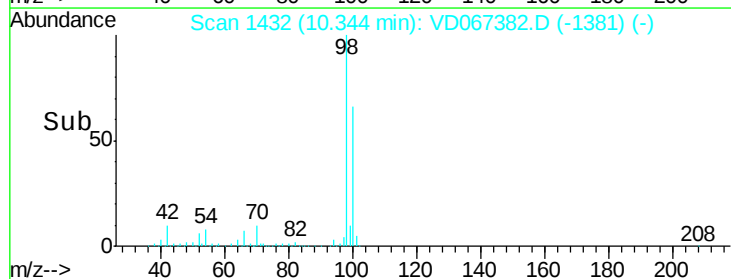
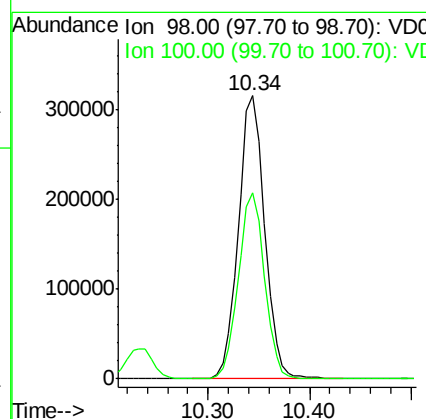
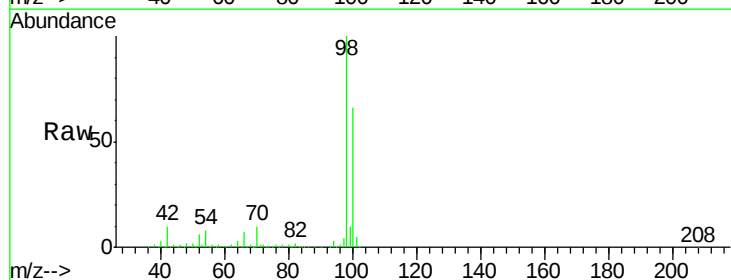
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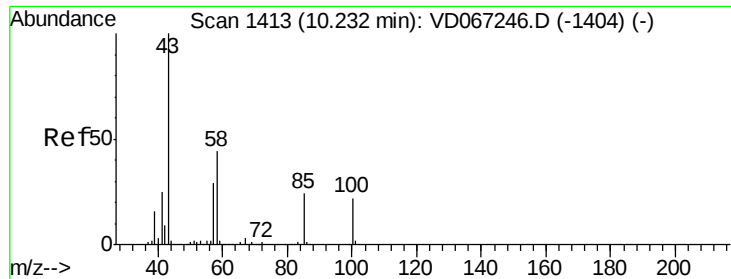
MMDadoda
10/26/2020 1:37:44 PM



#50
Toluene-d8
Concen: 48.748 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	98	Resp:	569028
Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 233.796 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 279659

Ion Ratio Lower Upper

43 100

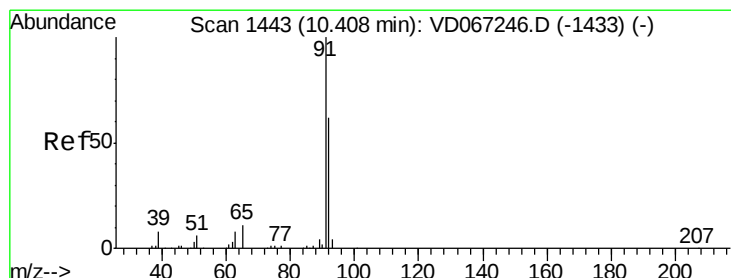
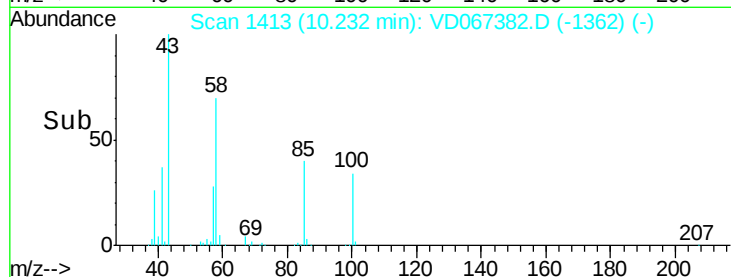
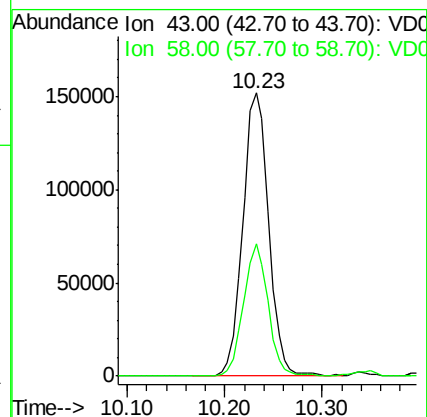
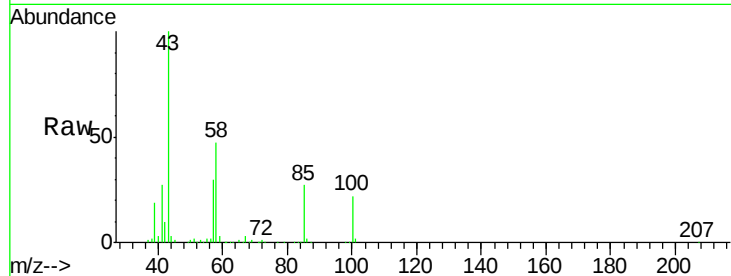
58 44.3 35.7 53.5

Manual Integrations

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MMDadoda

10/26/2020 1:37:44 PM



#52

Toluene

Concen: 49.169 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067382.D

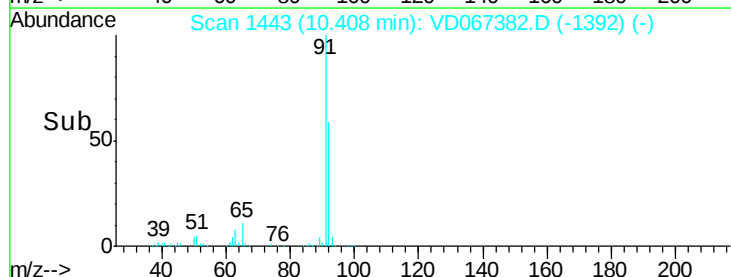
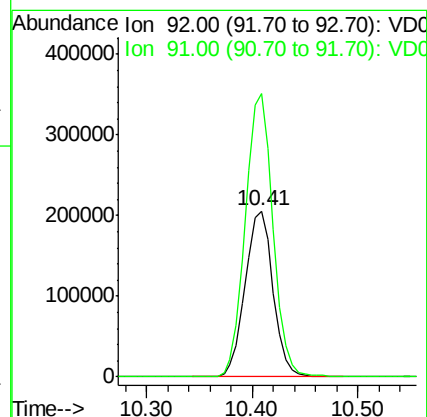
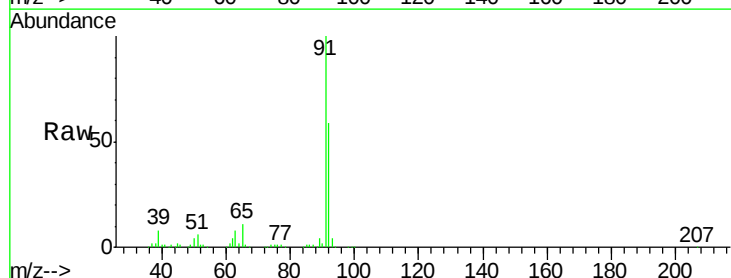
Acq: 23 Oct 2020 16:27

Tgt Ion: 92 Resp: 377410

Ion Ratio Lower Upper

92 100

91 169.2 133.8 200.8





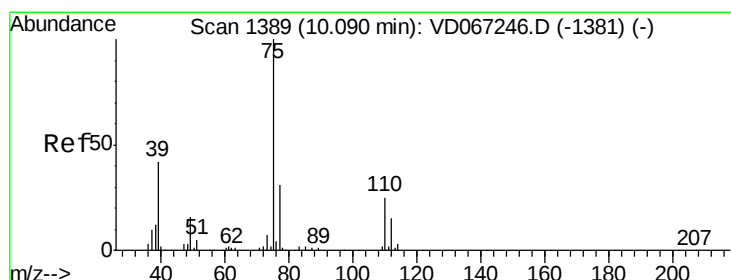
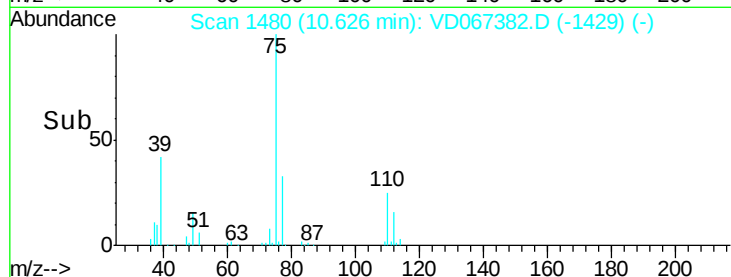
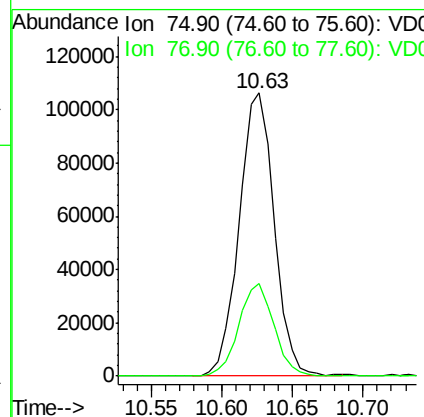
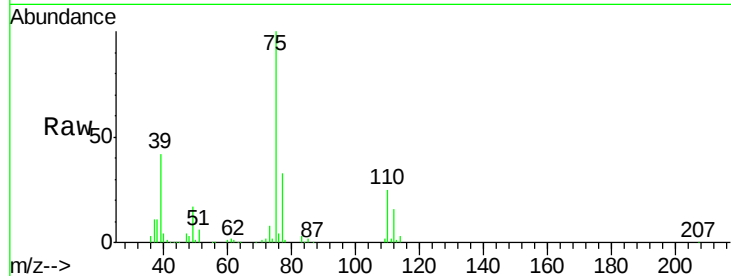
#53
t-1,3-Dichloropropene
Concen: 48.214 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 184660
Ion Ratio Lower Upper
75 100
77 32.7 26.5 39.7

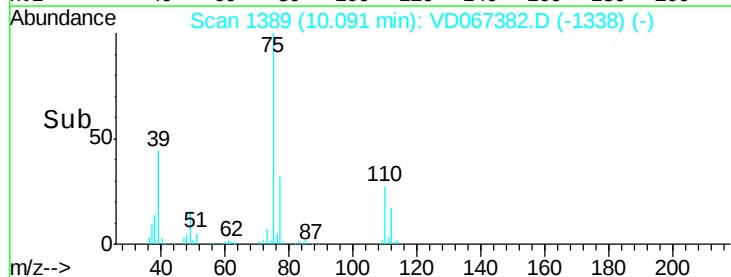
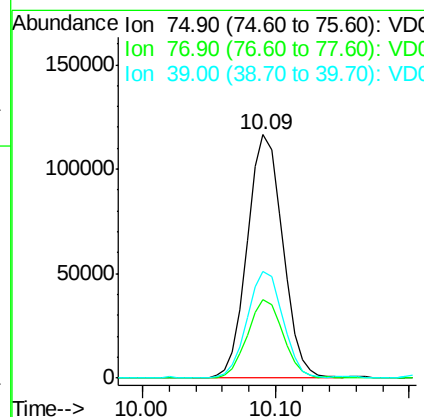
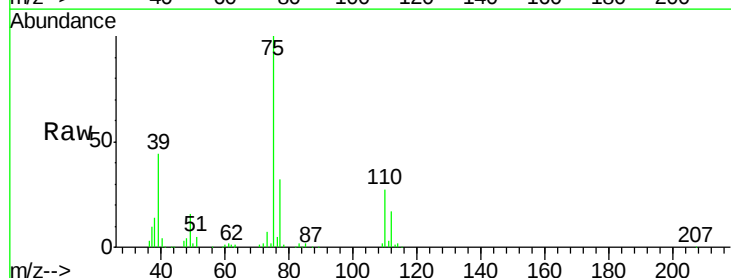
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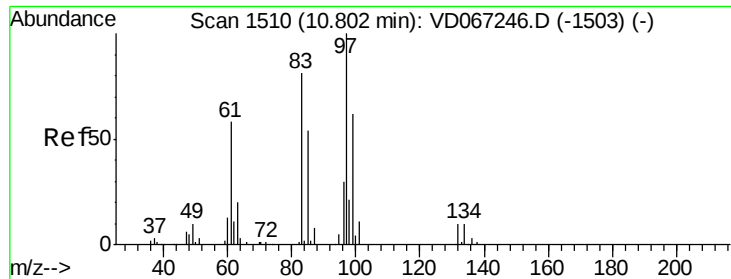
MMDadoda
10/26/2020 1:37:44 PM



#54
cis-1,3-Dichloropropene
Concen: 47.788 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 75 Resp: 214200
Ion Ratio Lower Upper
75 100
77 32.3 24.5 36.7
39 43.5 33.7 50.5





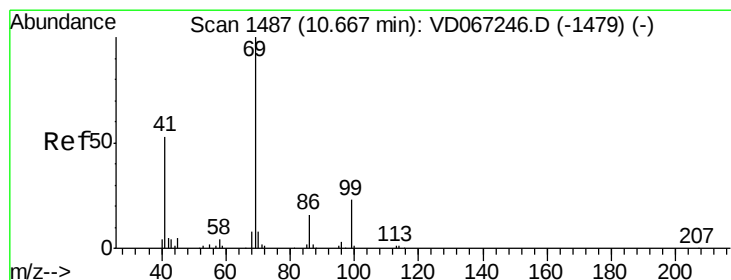
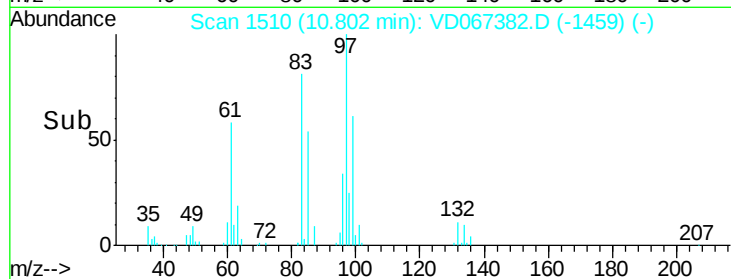
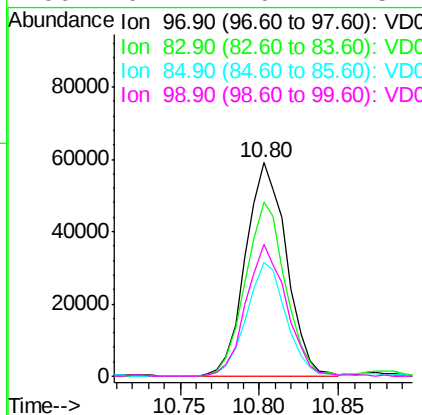
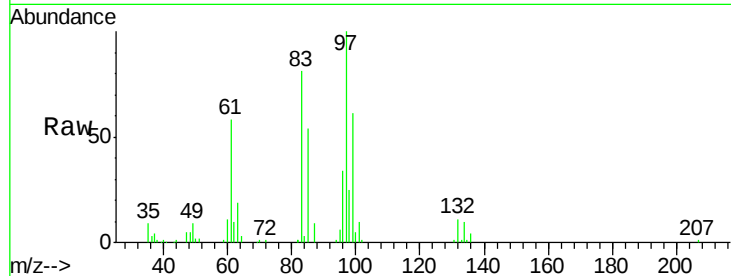
#55
 1,1,2-Trichloroethane
 Concen: 47.699 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	105847
Ion	Ratio	Lower	Upper
97	100		
83	81.4	64.9	97.3
85	53.5	43.3	64.9
99	61.4	49.1	73.7

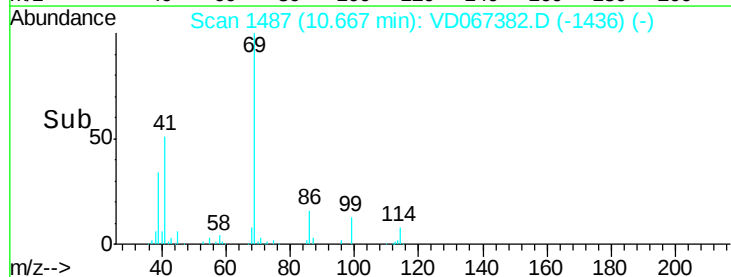
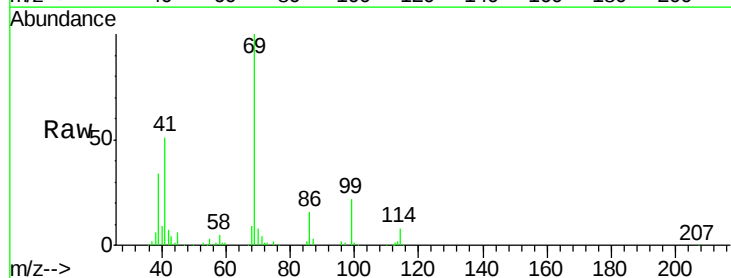
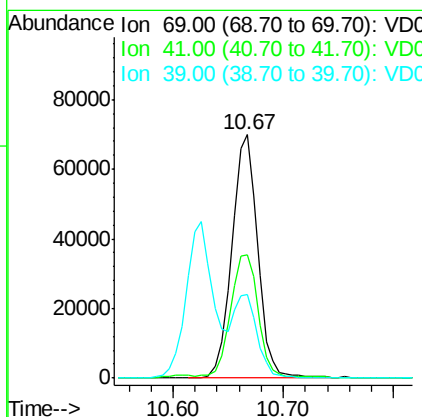
Manual Integrations
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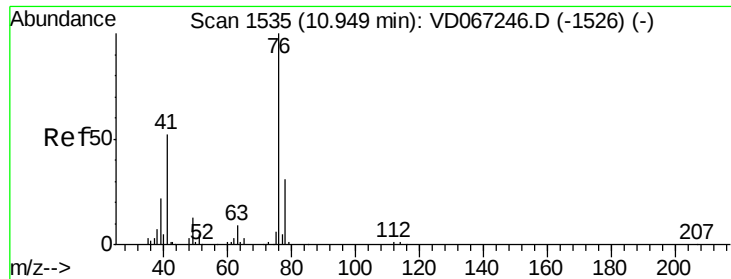
MMDadoda
 10/26/2020 1:37:44 PM



#56
 Ethyl methacrylate
 Concen: 49.896 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion	69	Resp	114830
Ion	Ratio	Lower	Upper
69	100		
41	55.0	44.7	67.1
39	31.1	26.2	39.2





#57

1,3-Dichloropropane

Concen: 47.765 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 168679

Ion Ratio Lower Upper

76 100

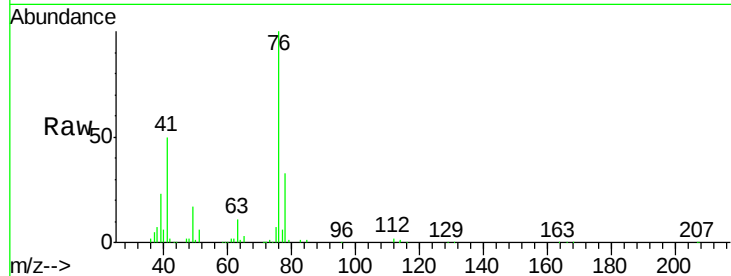
78 33.0 26.8 40.2

Manual Integrations

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MMDadoda

10/26/2020 1:37:44 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

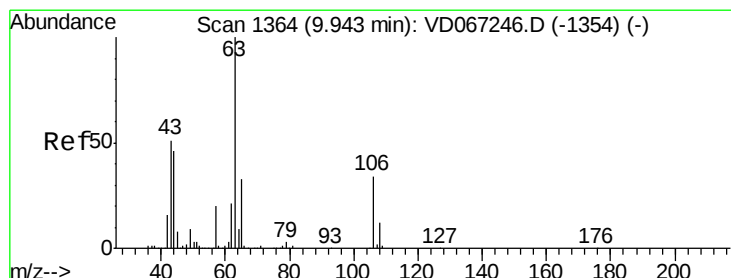
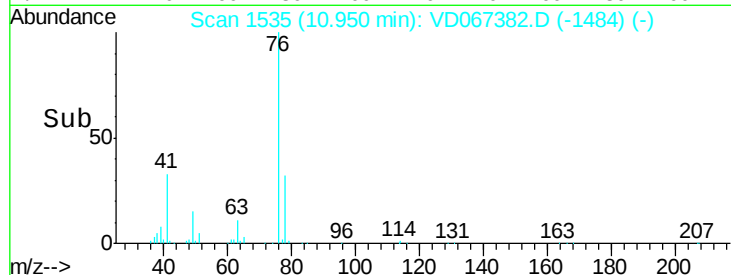
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 250.178 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067382.D

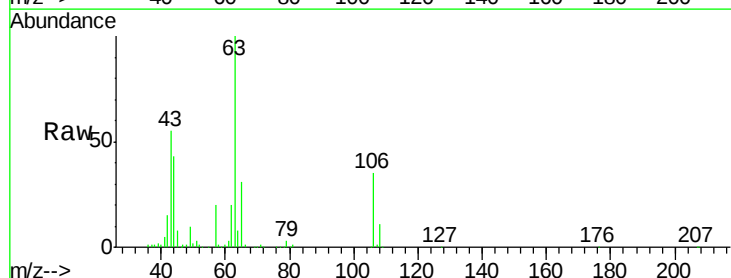
Acq: 23 Oct 2020 16:27

Tgt Ion: 63 Resp: 295364

Ion Ratio Lower Upper

63 100

106 35.1 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

200000

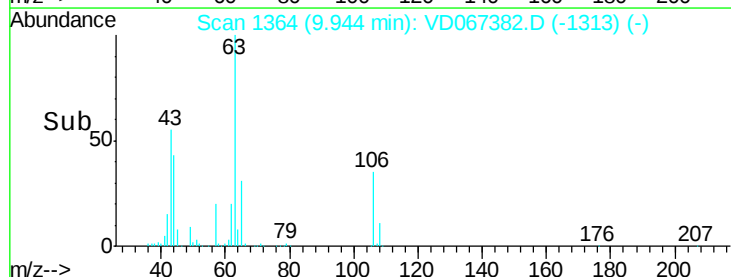
150000

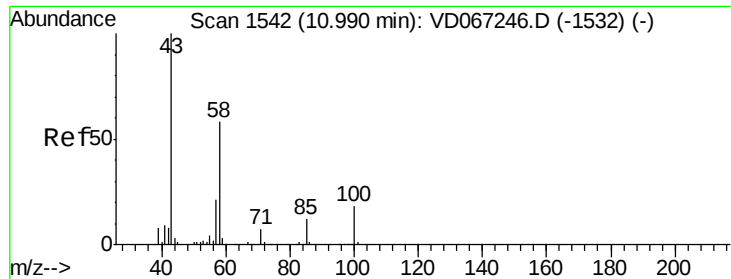
100000

50000

0

Time-->





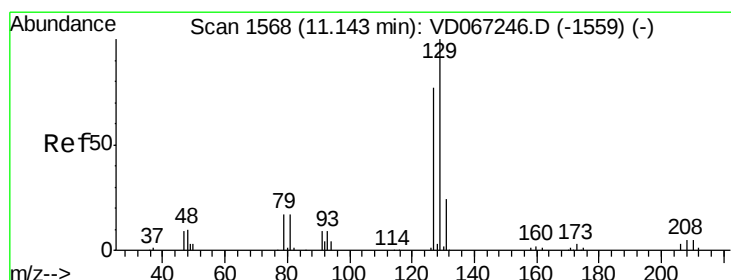
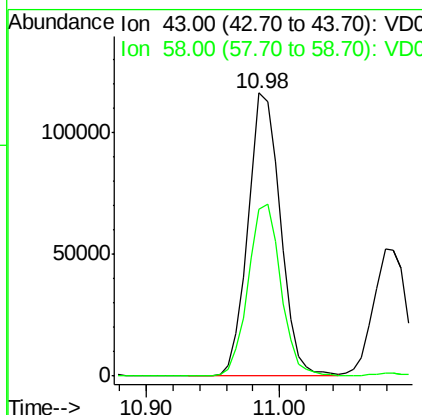
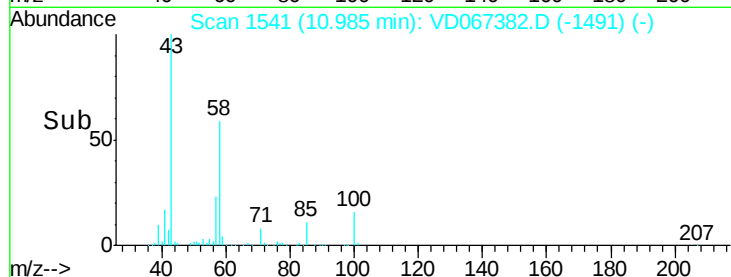
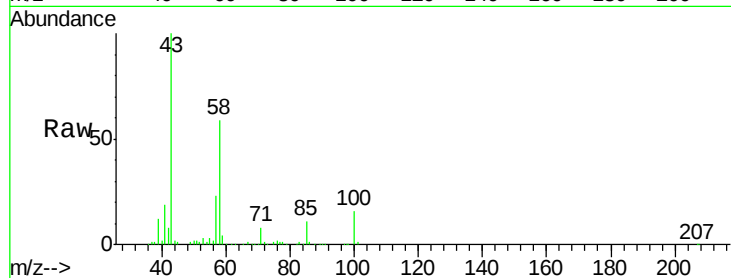
#59
2-Hexanone
Concen: 239.340 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.9	29.3	87.9

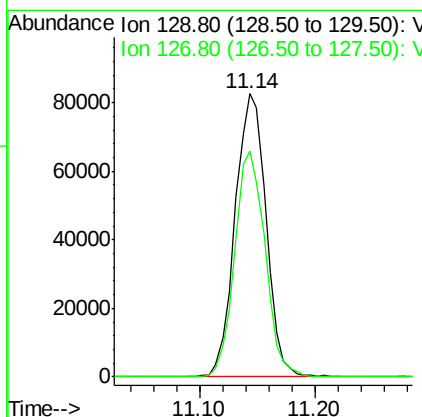
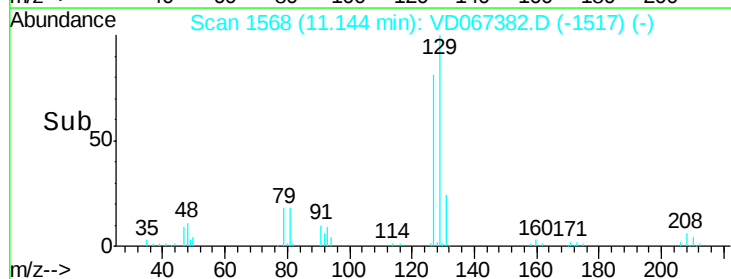
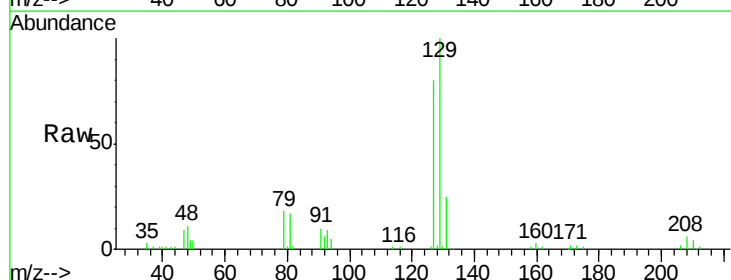
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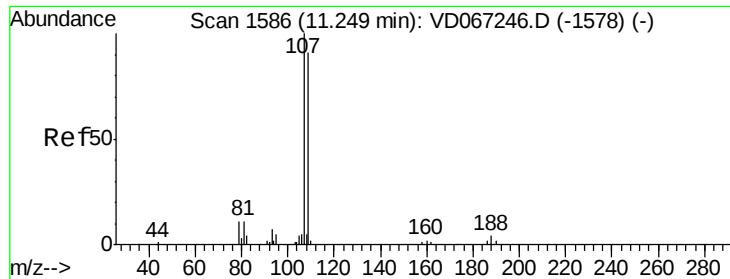
MMDadoda
10/26/2020 1:37:44 PM



#60
Dibromochloromethane
Concen: 47.336 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.3	114.8





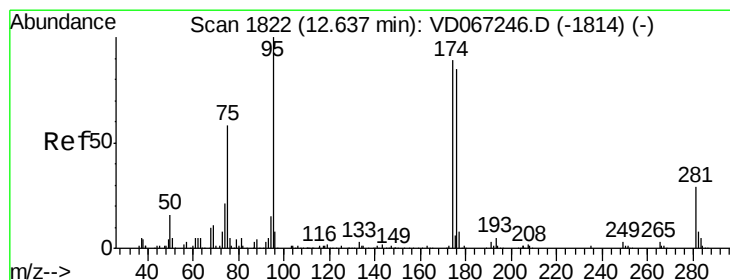
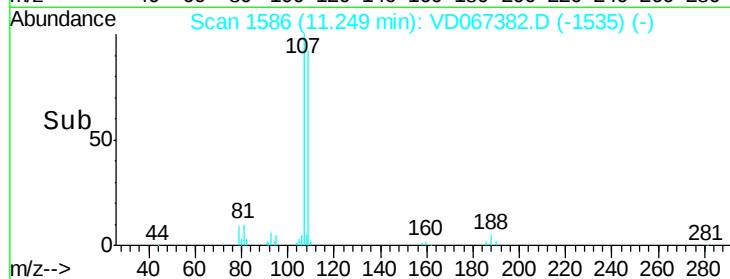
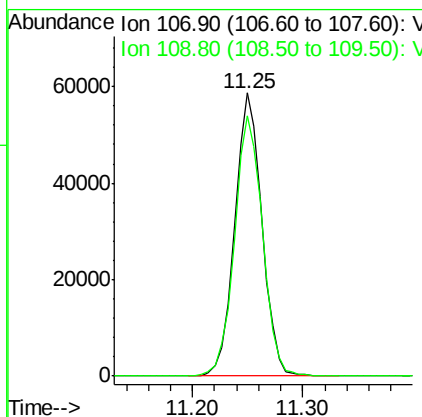
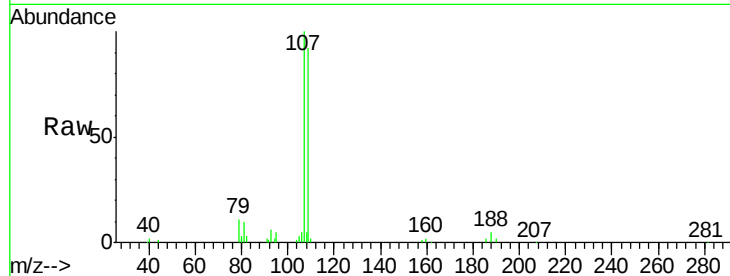
#61
 1,2-Dibromoethane
 Concen: 46.370 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 101443
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.6 112.0

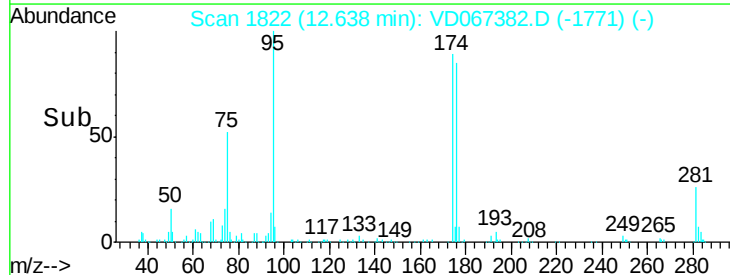
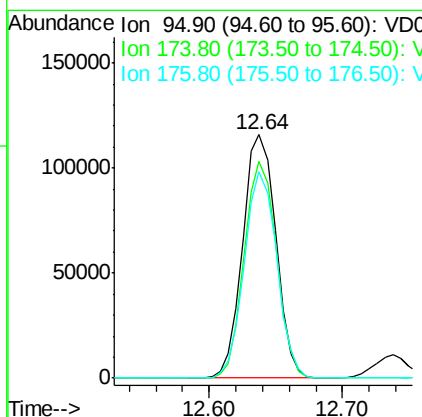
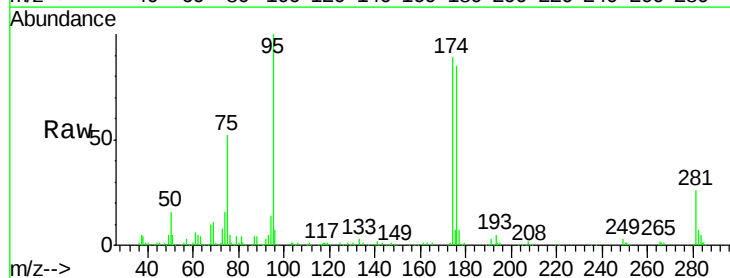
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 48.970 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion: 95 Resp: 198763
 Ion Ratio Lower Upper
 95 100
 174 86.7 0.0 175.2
 176 83.5 0.0 168.6





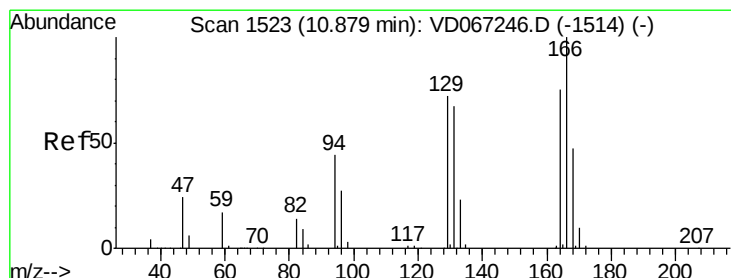
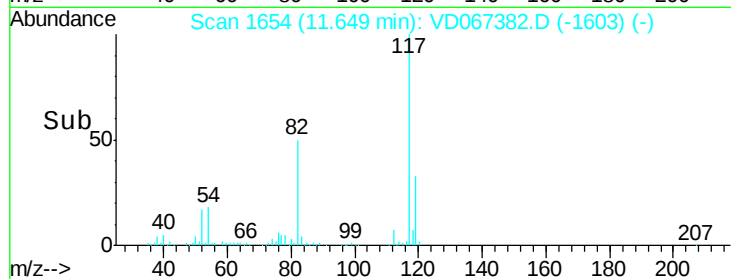
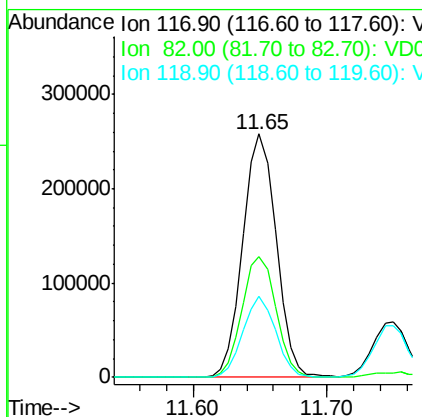
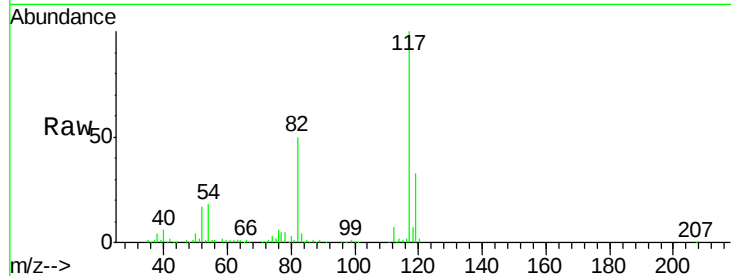
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	448050		
82	49.5		39.9	59.9
119	33.3		24.9	37.3

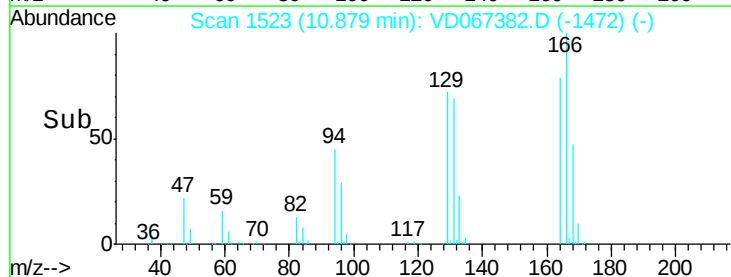
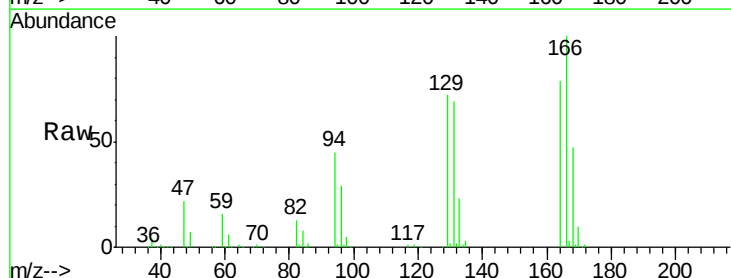
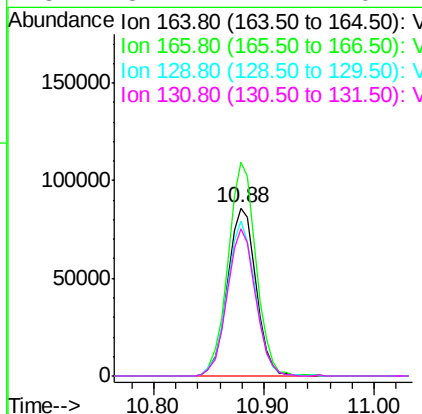
Manual Integrations
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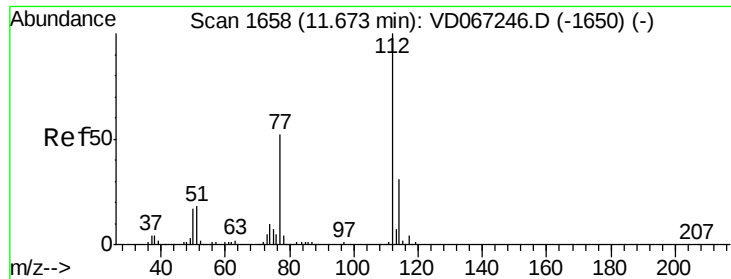
MMDadoda
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#64
Tetrachloroethene
Concen: 47.916 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	155547		
166	127.1		107.3	160.9
129	91.8		77.3	115.9
131	87.2		71.4	107.2





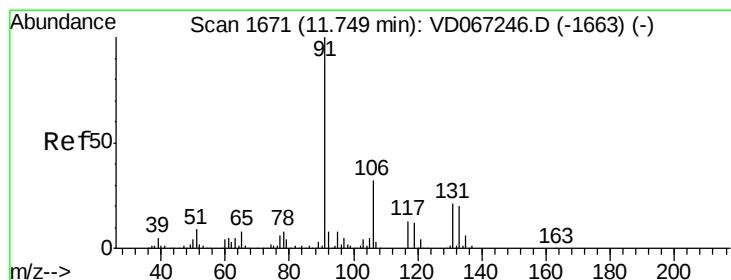
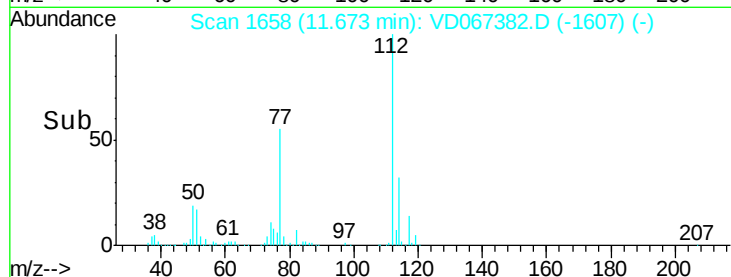
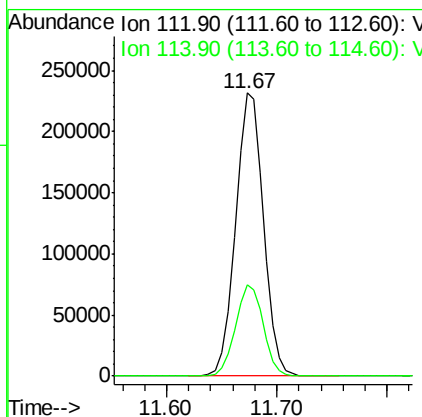
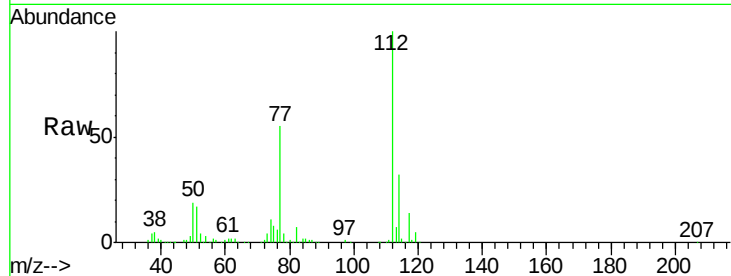
#65
Chlorobenzene
Concen: 47.728 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 410069
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4

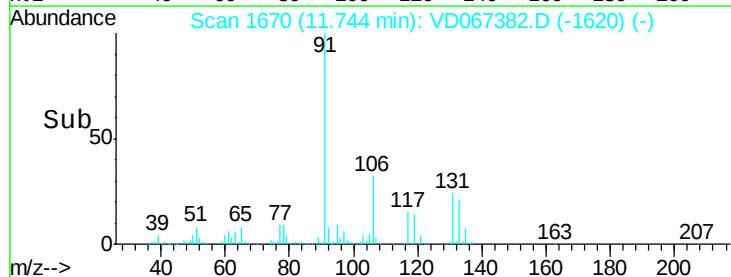
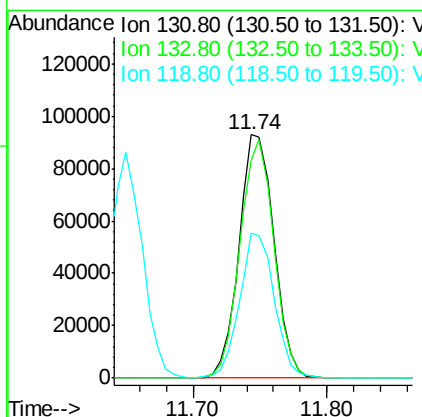
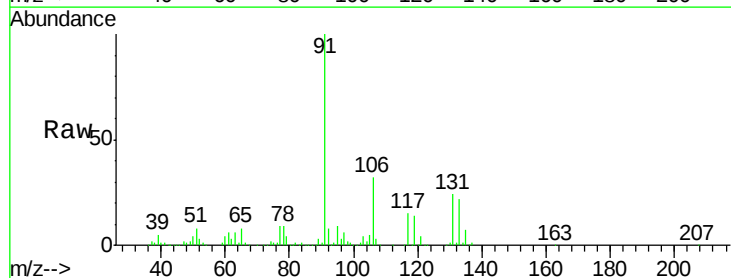
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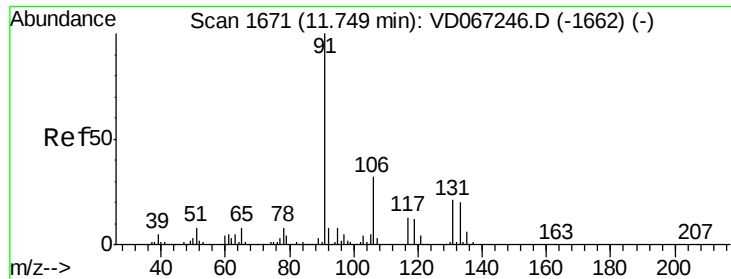
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.333 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion:131 Resp: 168461
Ion Ratio Lower Upper
131 100
133 95.1 48.1 144.3
119 58.9 30.0 90.0





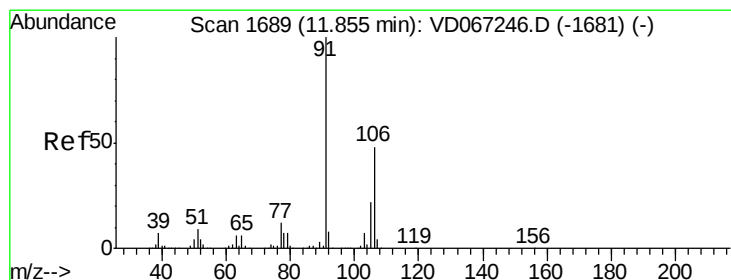
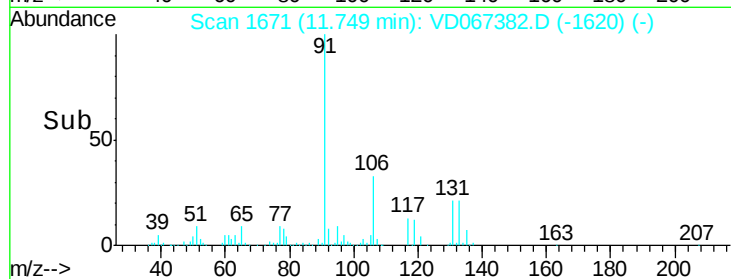
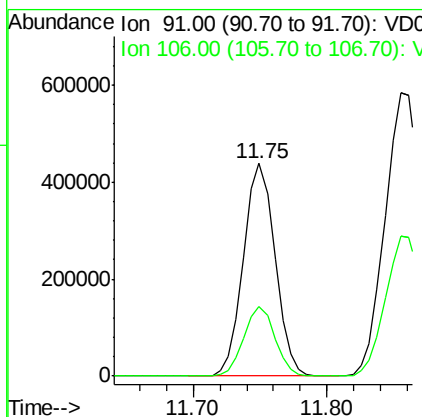
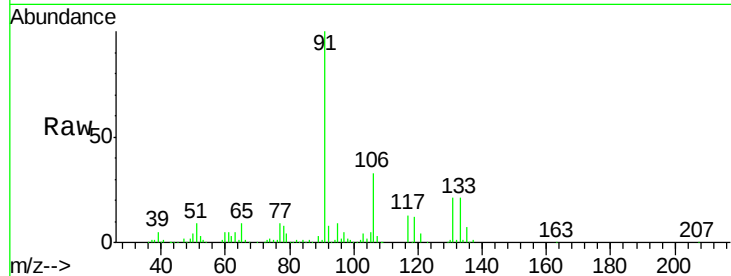
#67
Ethyl Benzene
Concen: 48.941 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 720810
Ion Ratio Lower Upper
91 100
106 32.9 25.4 38.0

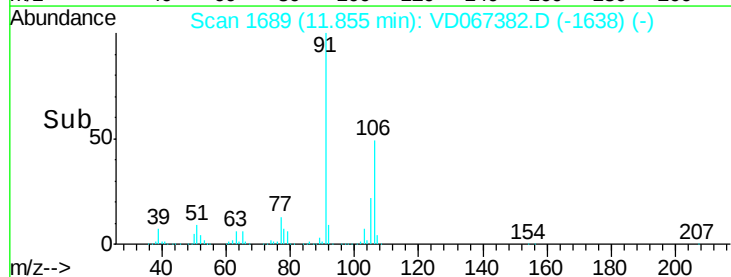
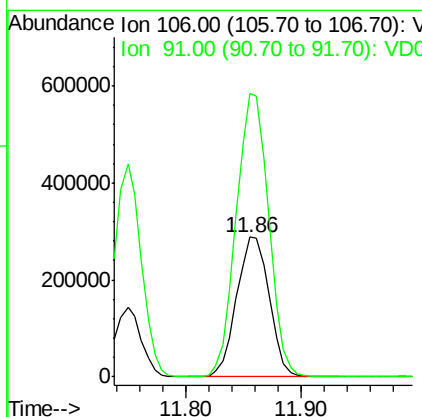
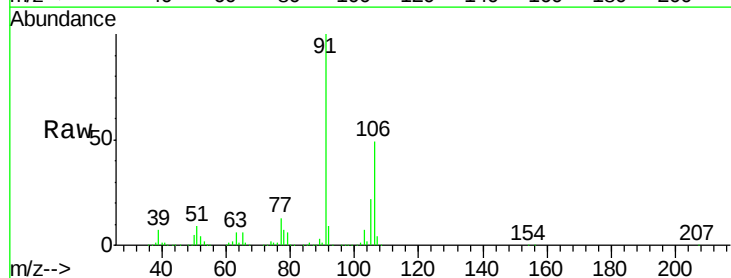
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#68
m/p-Xylenes
Concen: 99.992 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 106 Resp: 567107
Ion Ratio Lower Upper
106 100
91 200.8 163.8 245.8





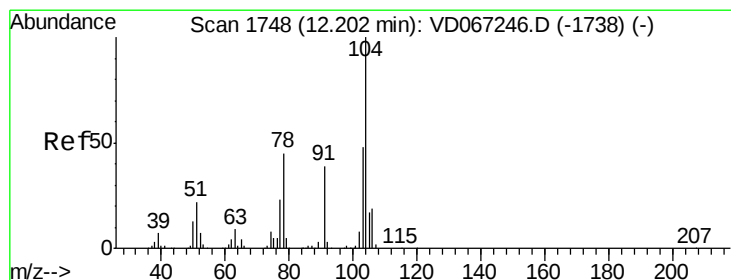
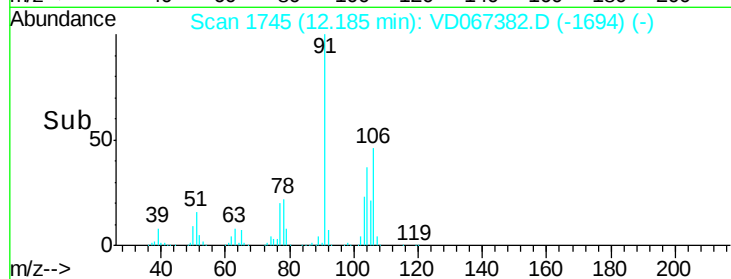
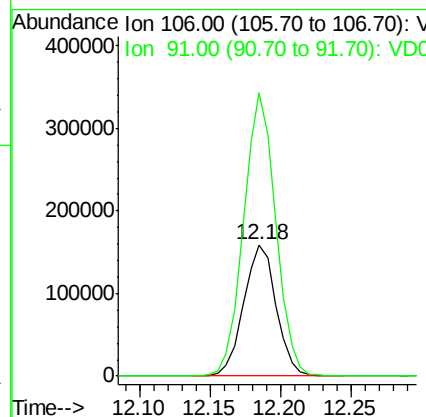
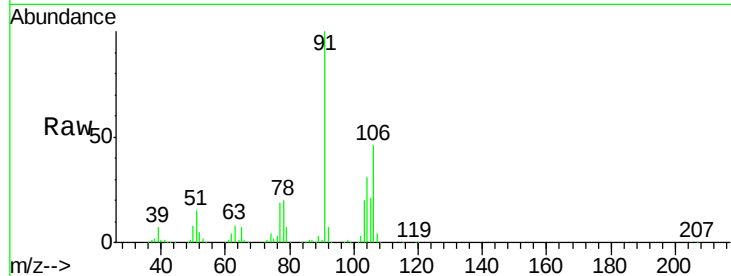
#69
o-Xylene
Concen: 48.731 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		255930		
91	213.4	109.1	327.3		

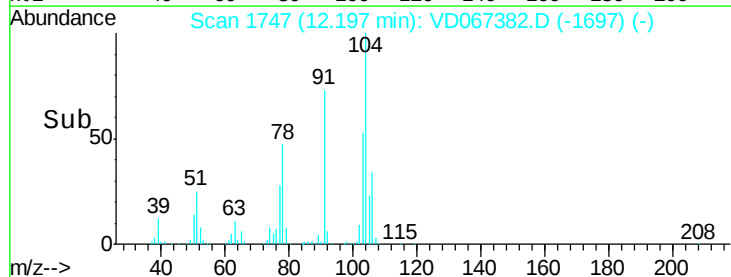
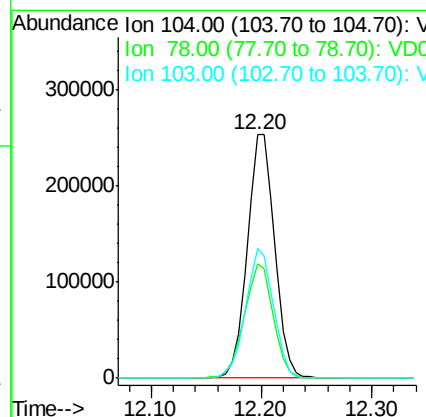
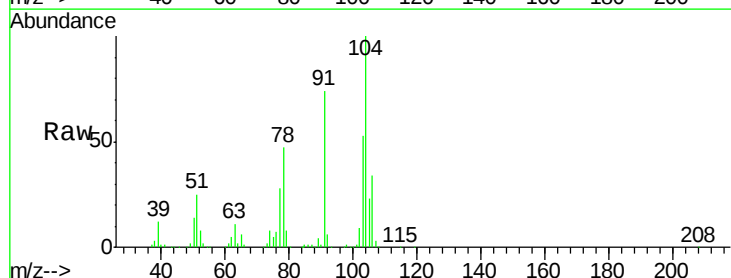
Manual Integrations
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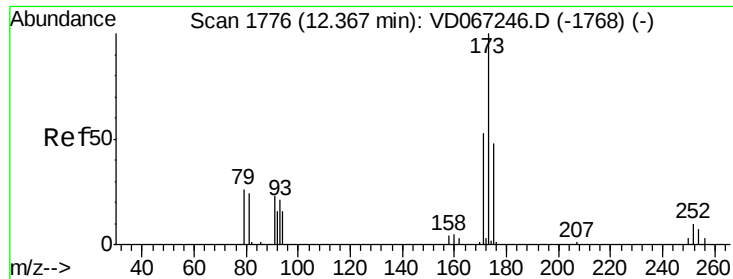
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#70
Styrene
Concen: 48.985 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		442864		
78	49.3	39.8	59.6		
103	54.4	42.6	64.0		





#71

Bromoform

Concen: 46.658 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 85594

Ion Ratio Lower Upper

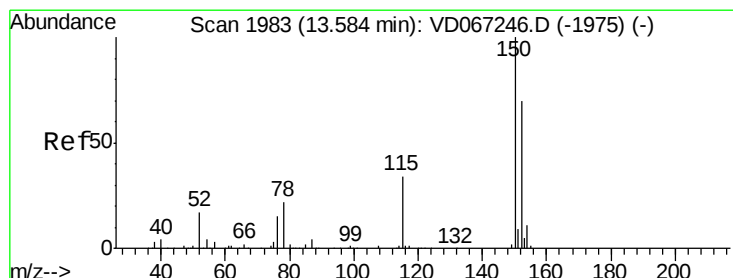
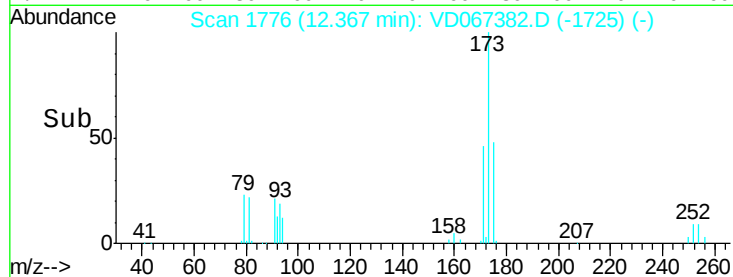
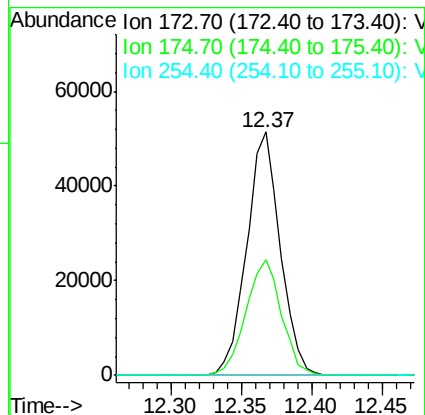
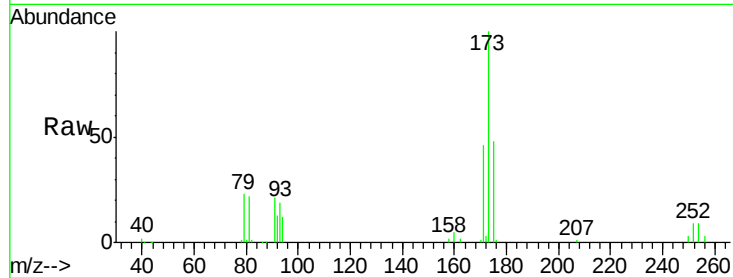
173 100

175 50.4 24.2 72.6

254 0.1 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

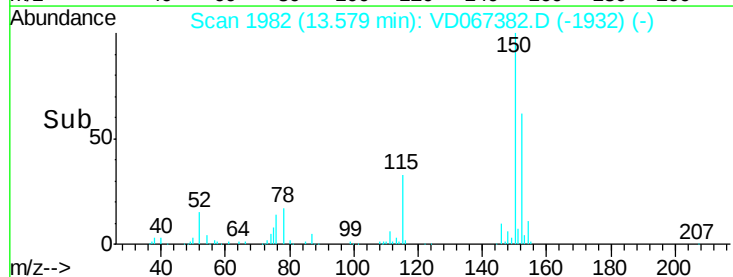
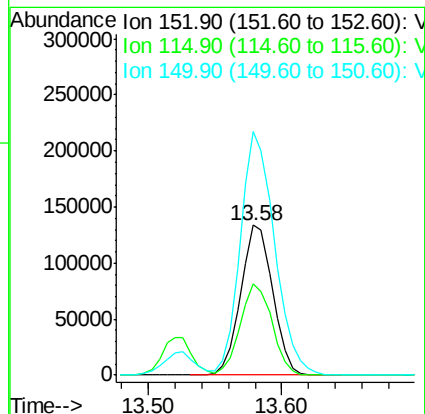
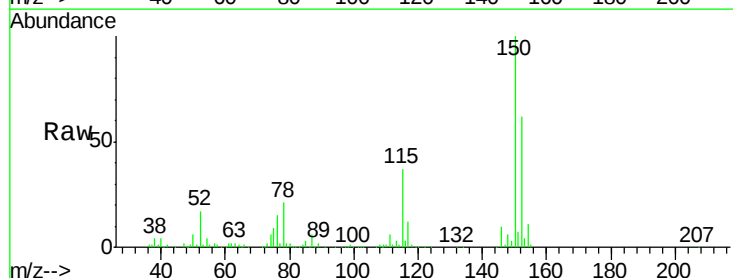
Tgt Ion:152 Resp: 221600

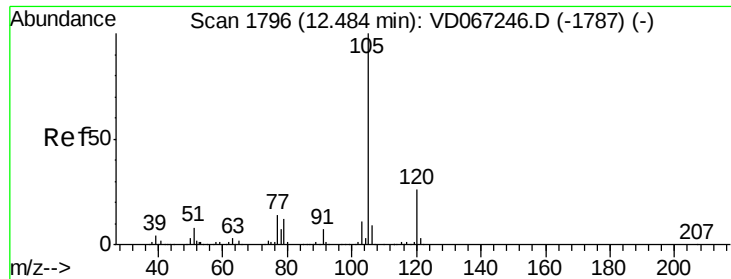
Ion Ratio Lower Upper

152 100

115 60.0 29.3 87.9

150 173.4 0.0 339.0





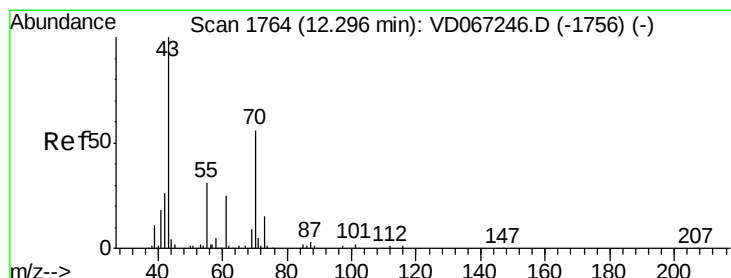
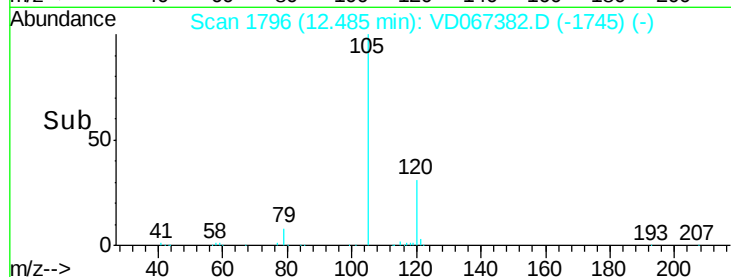
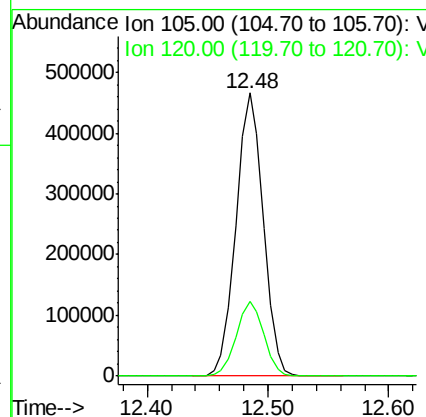
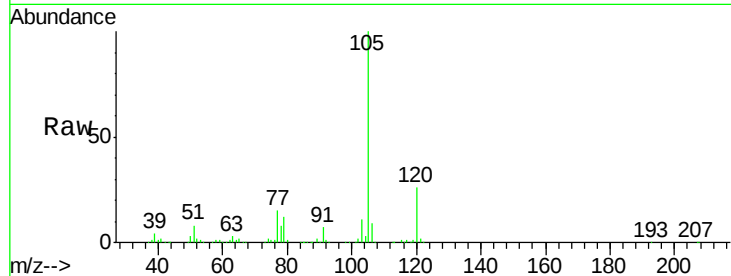
#73
Isopropylbenzene
Concen: 52.170 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

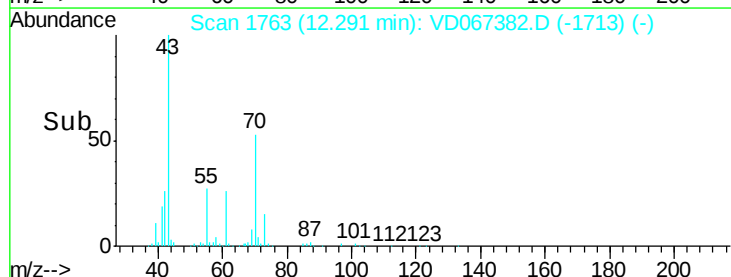
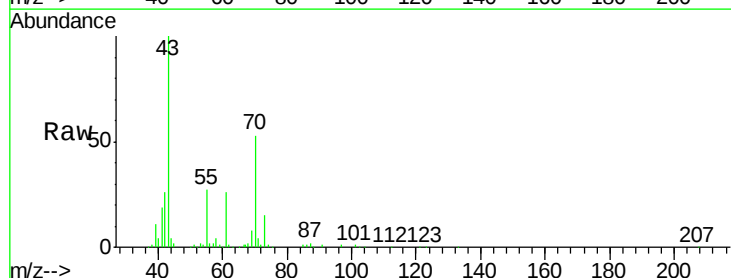
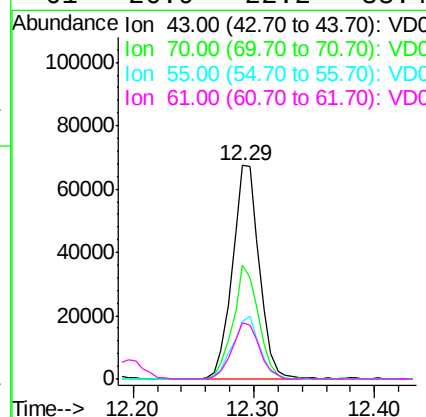
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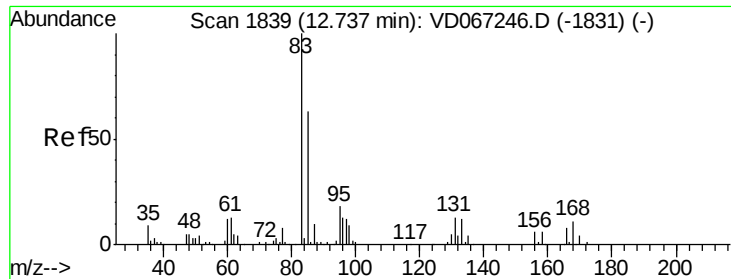
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#74
N-ethyl acetate
Concen: 49.049 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.1	42.7	64.1
55	29.2	24.0	36.0
61	26.9	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.568 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

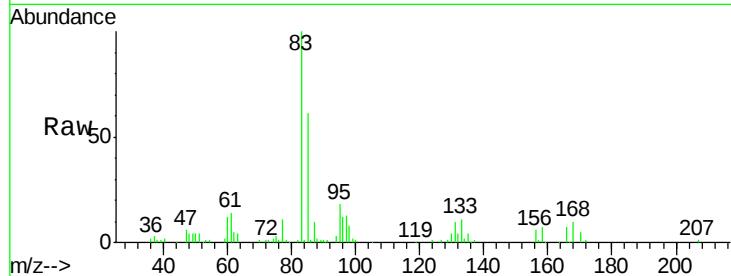
ClientSampleId :

VSTDCCC050EC

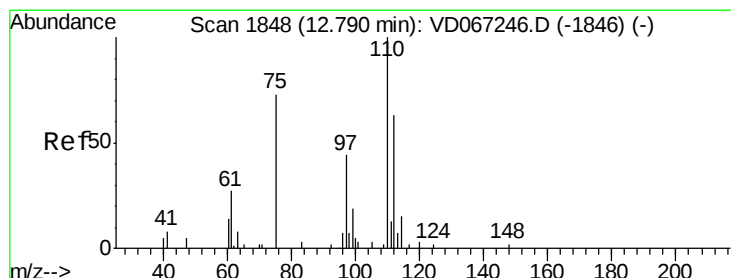
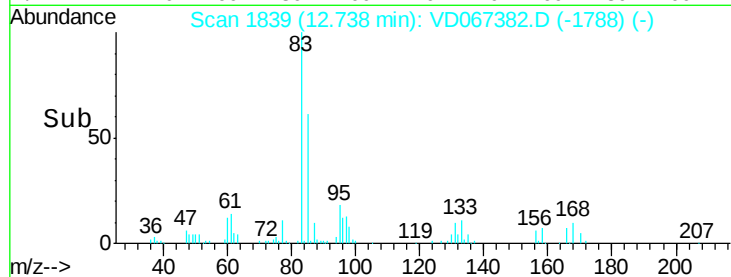
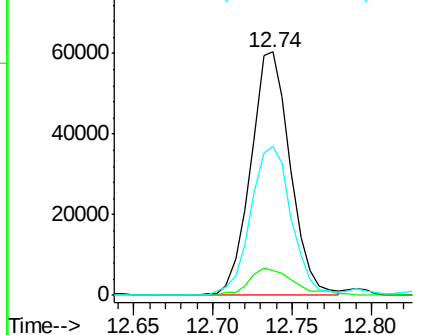
Tot Ion:	83	Resp:	104662
Ion Ratio	Lower	Upper	
83	100		
131	12.5	6.5	19.5
85	62.9	32.6	97.7

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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: 50.564 ug/l m

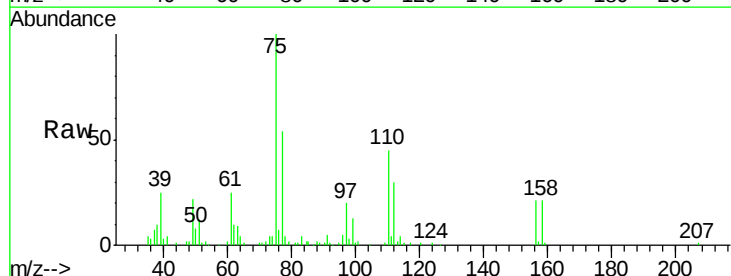
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

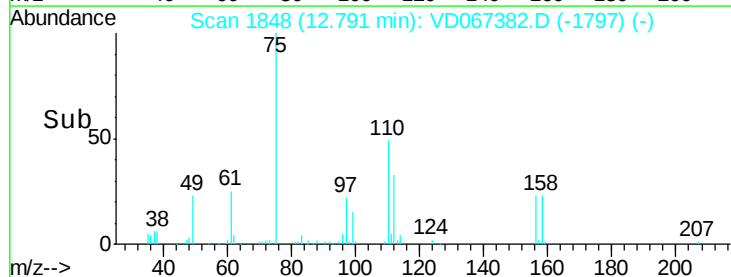
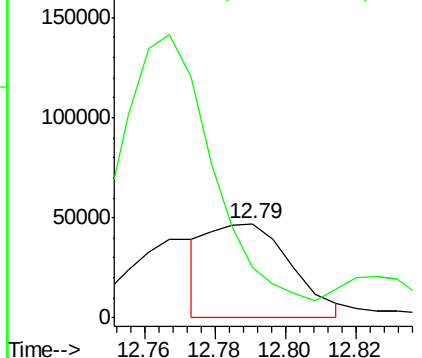
Lab File: VD067382.D

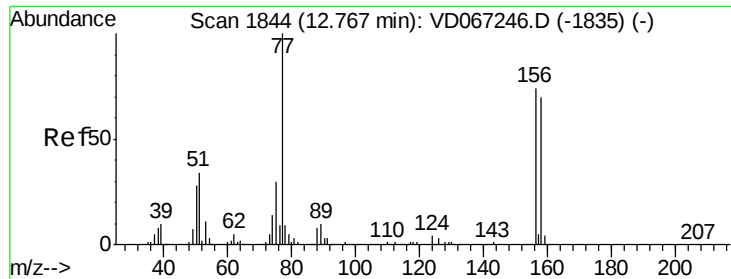
Acq: 23 Oct 2020 16:27

Tgt Ion:	75	Resp:	77661
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: 49.811 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

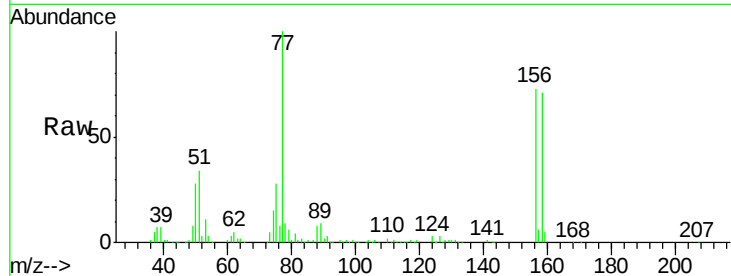
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.2	78.0	233.8
158	97.6	49.1	147.3

Manual Integrations
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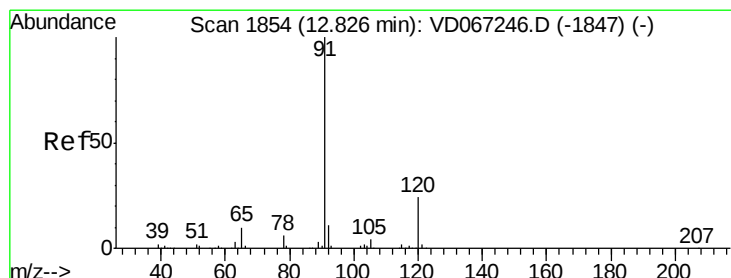
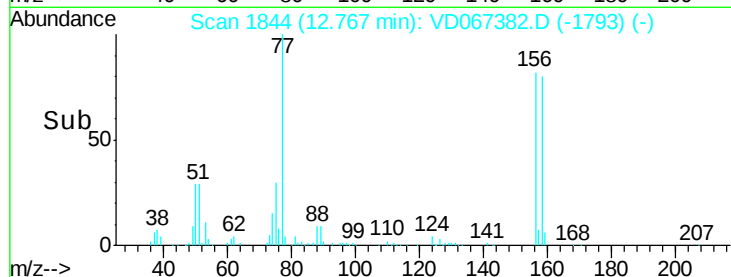
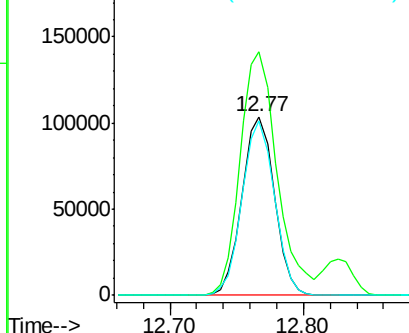
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.024 ug/l

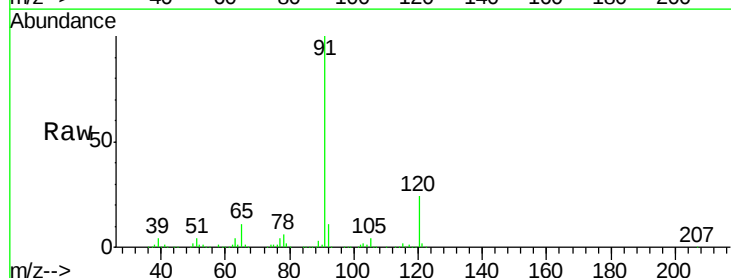
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067382.D

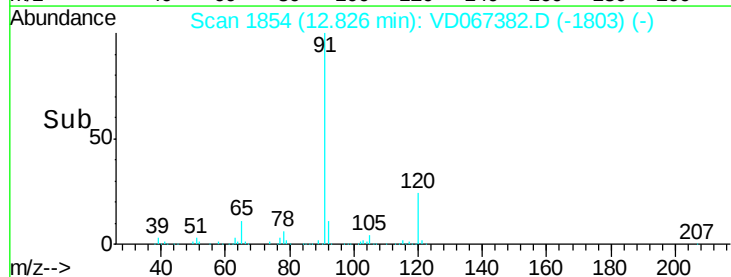
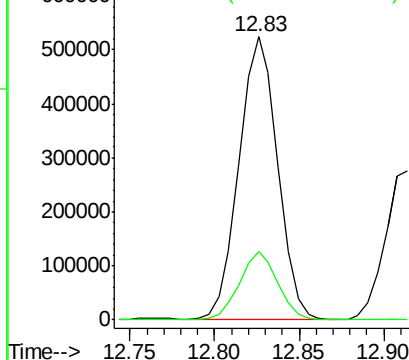
Acq: 23 Oct 2020 16:27

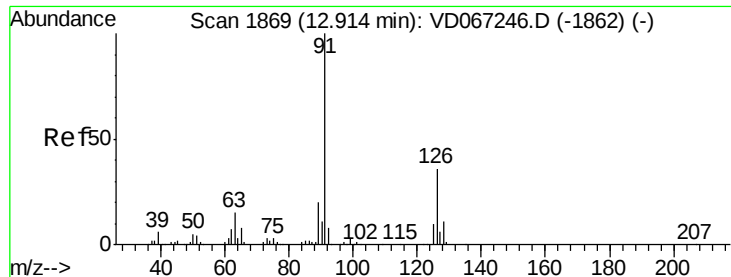
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.786 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 470473

Ion Ratio Lower Upper

91 100

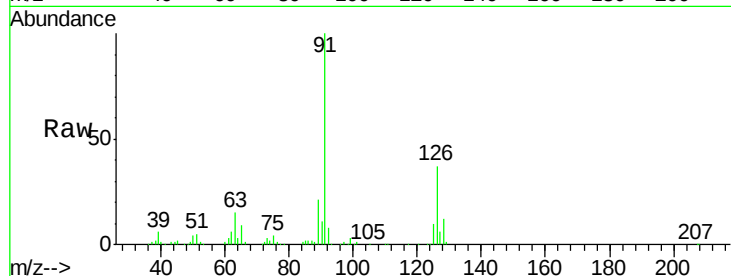
126 35.1 17.6 52.8

Manual Integrations

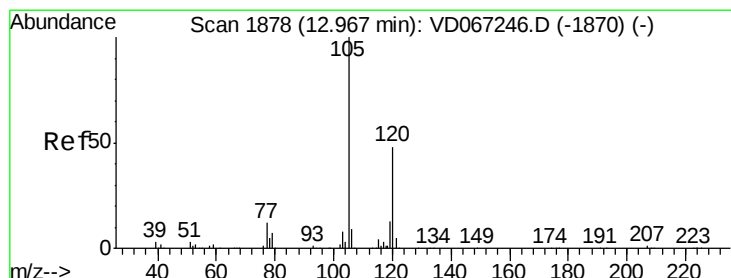
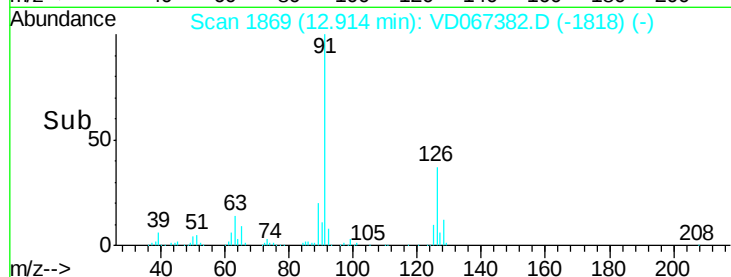
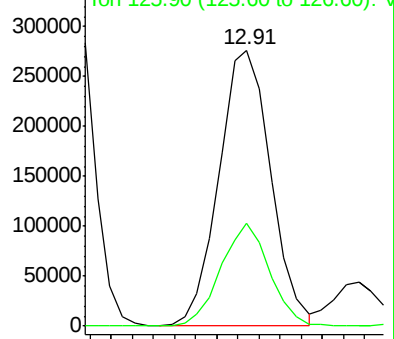
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Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.662 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067382.D

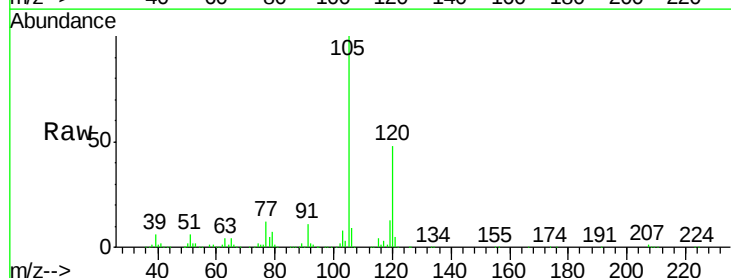
Acq: 23 Oct 2020 16:27

Tgt Ion: 105 Resp: 619177

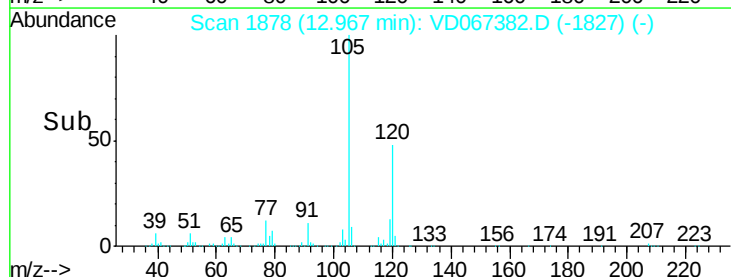
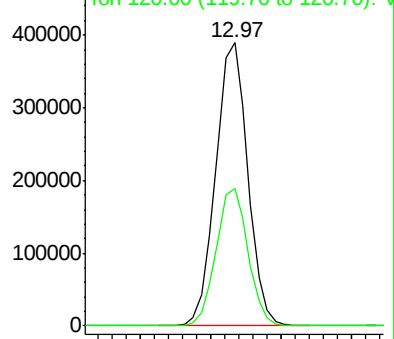
Ion Ratio Lower Upper

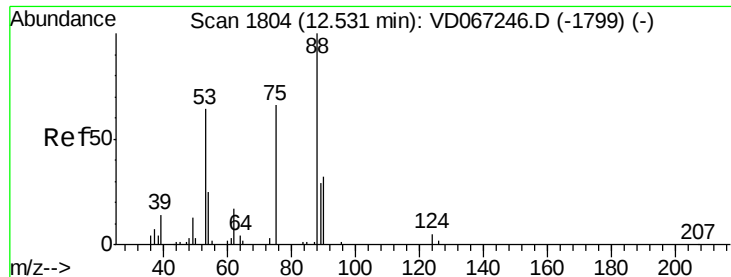
105 100

120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.660 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

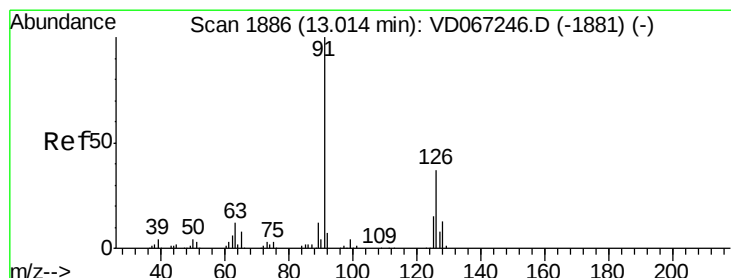
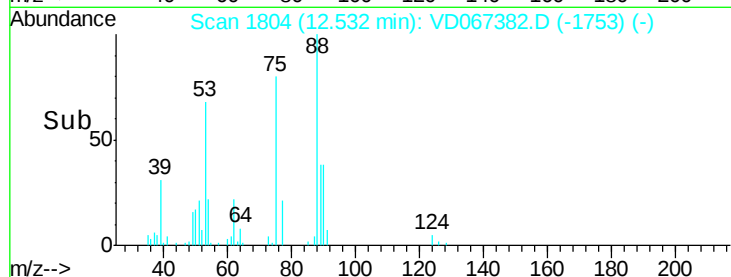
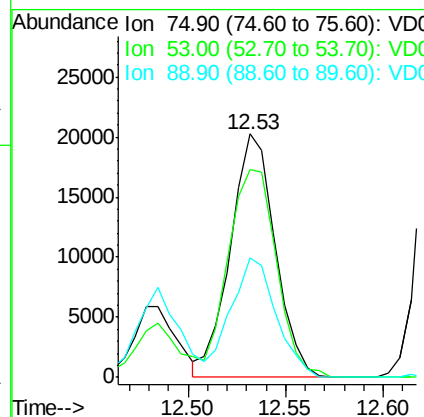
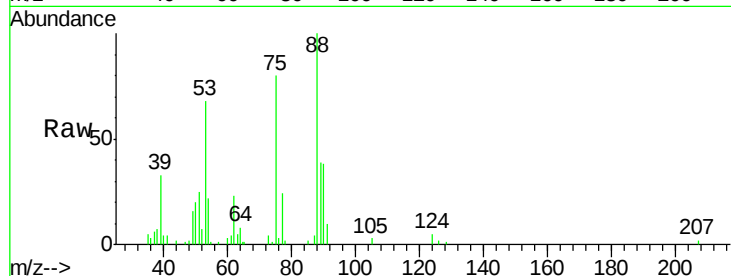
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	32280
Ion Ratio	Lower	Upper	
75	100		
53	91.1	78.5	117.7
89	49.6	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.977 ug/l

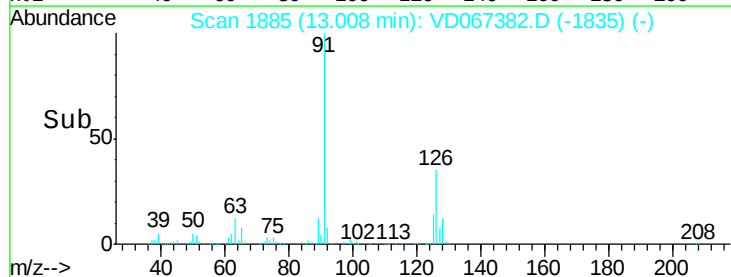
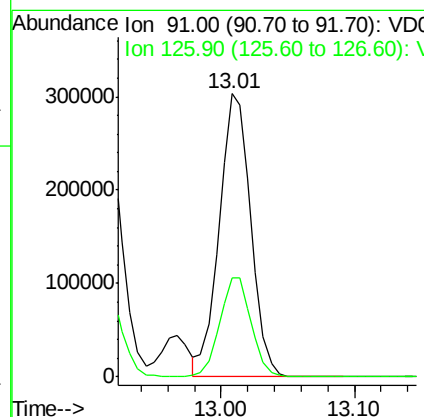
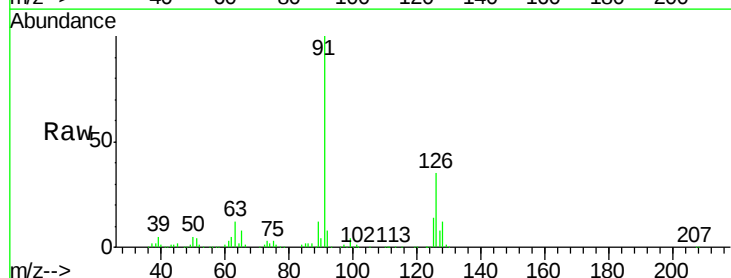
RT: 13.01 min Scan# 1885

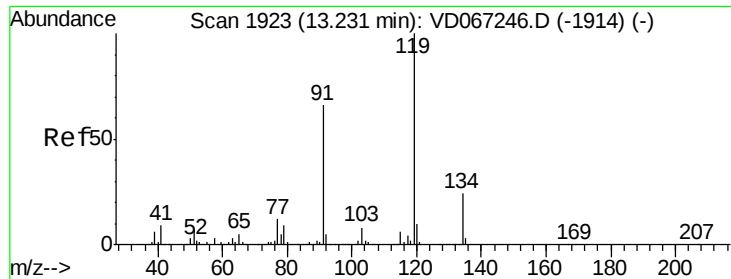
Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Tgt Ion:	91	Resp:	501254
Ion Ratio	Lower	Upper	
91	100		
126	35.2	17.8	53.5





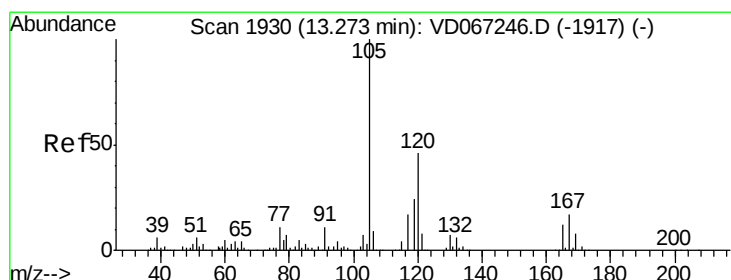
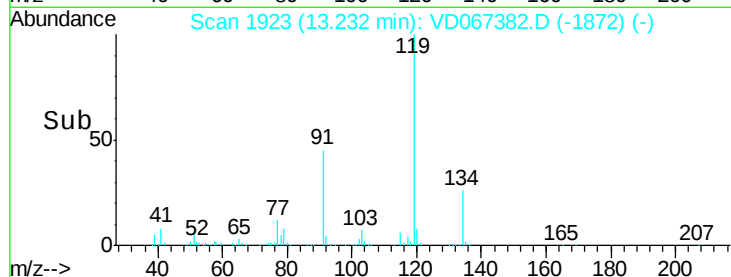
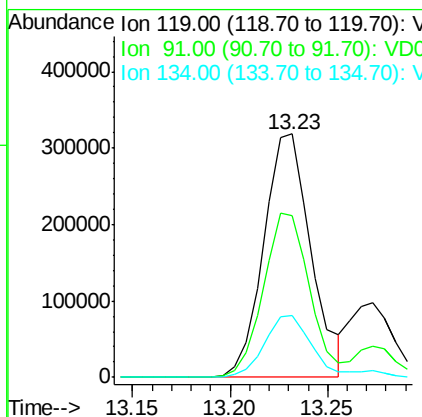
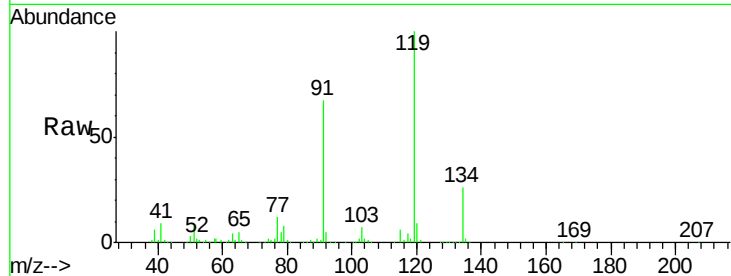
#83
tert-Butylbenzene
Concen: 51.904 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.1	99.2
134	25.3	13.3	39.9

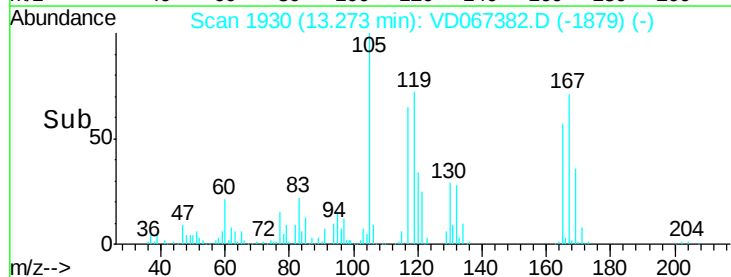
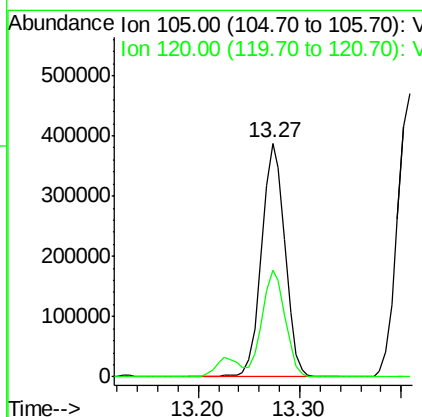
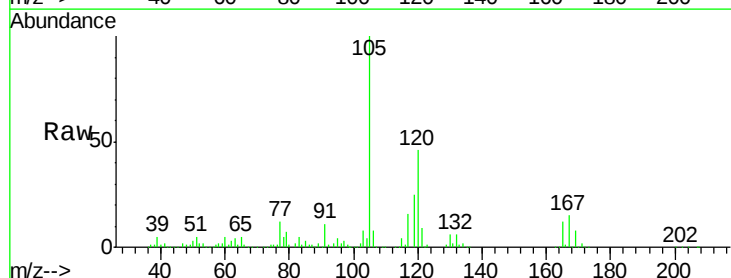
Manual Integrations
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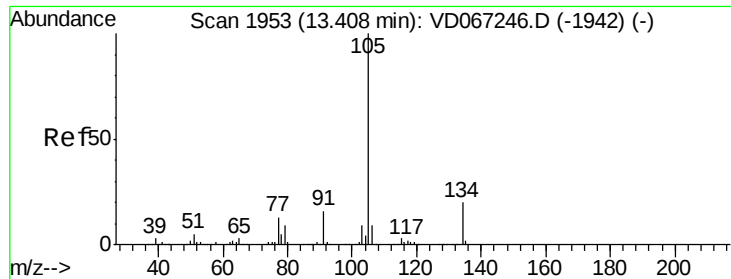
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#84
1,2,4-Trimethylbenzene
Concen: 51.140 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3





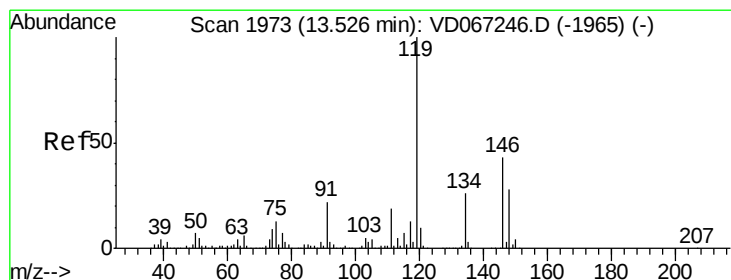
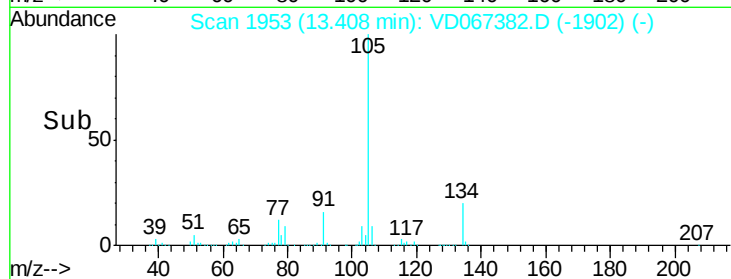
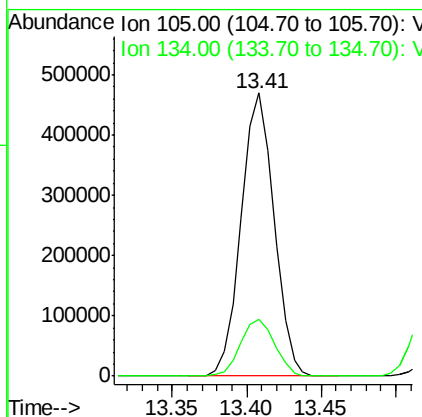
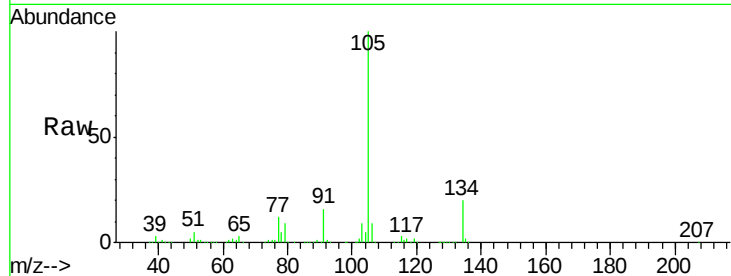
#85
 sec-Butylbenzene
 Concen: 50.764 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.5	31.5

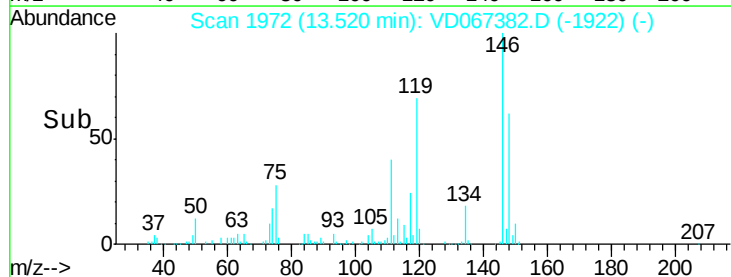
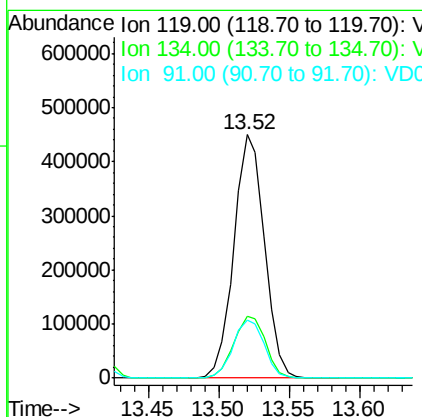
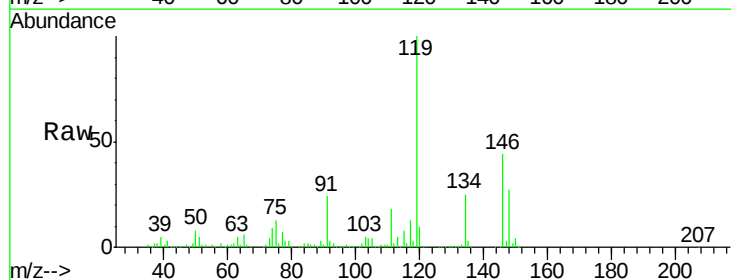
Manual Integrations
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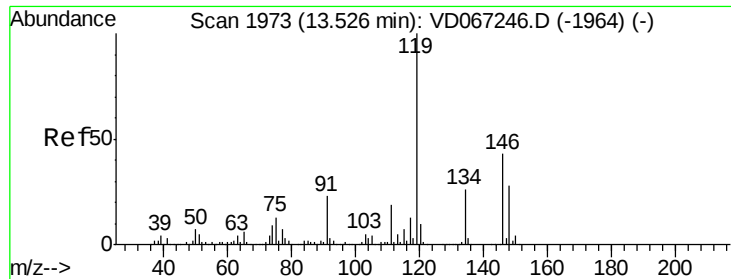
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#86
 p-Isopropyltoluene
 Concen: 50.752 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	24.4	11.9	35.9





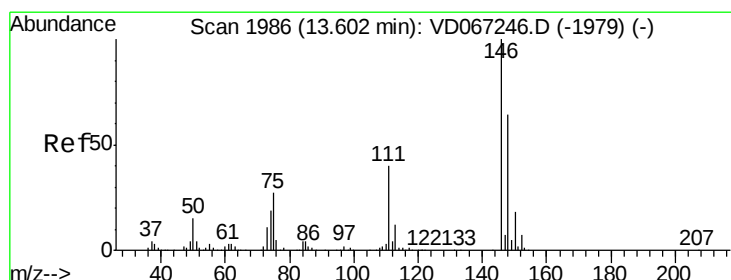
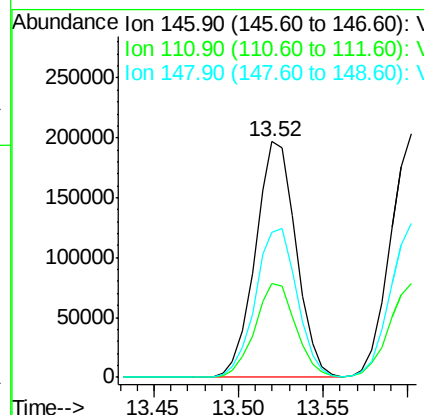
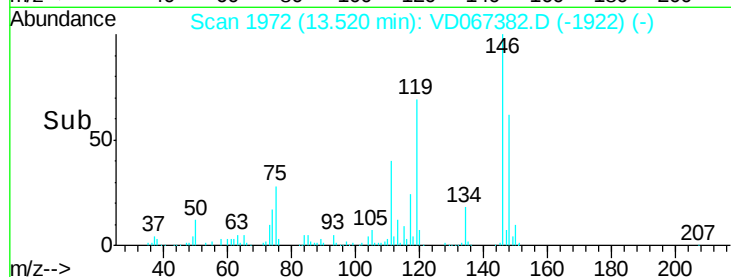
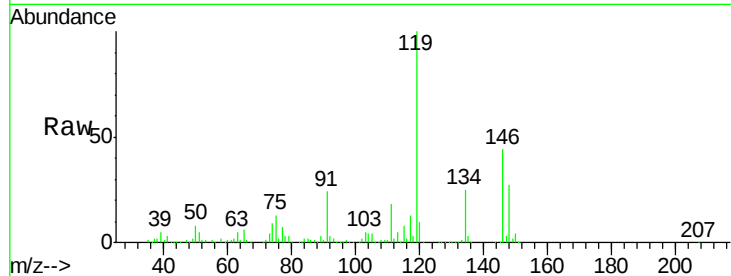
#87
 1,3-Dichlorobenzene
 Concen: 48.715 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.1	63.3
148	64.5	31.9	95.9

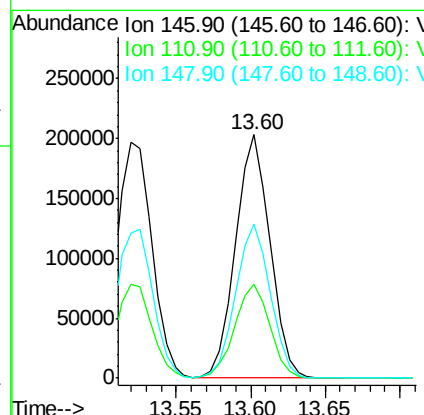
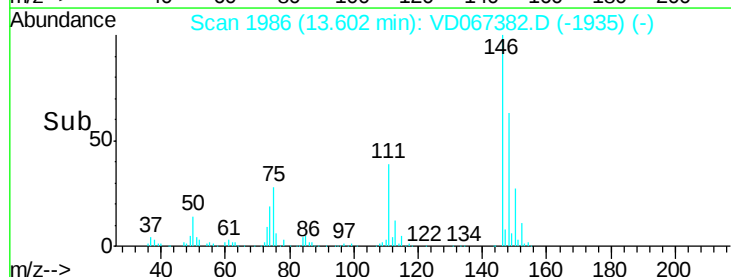
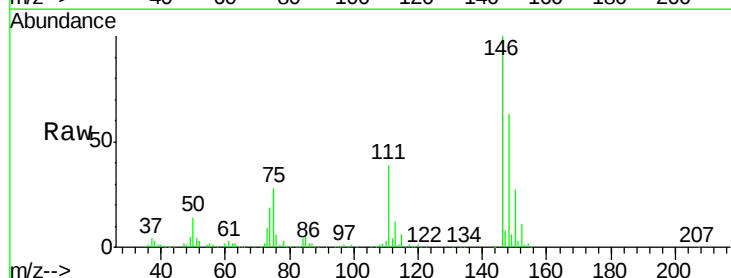
Manual Integrations
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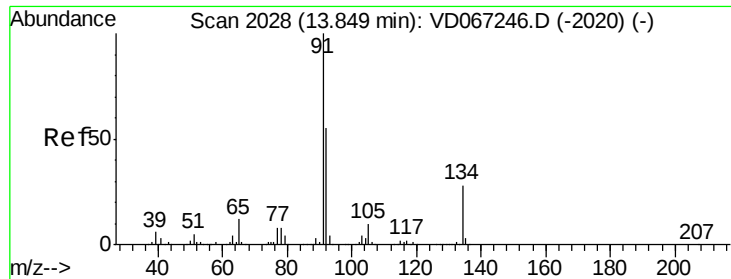
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#88
 1,4-Dichlorobenzene
 Concen: 48.874 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.7
148	63.9	31.9	95.9





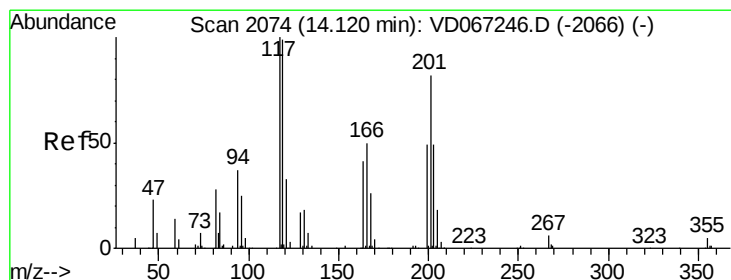
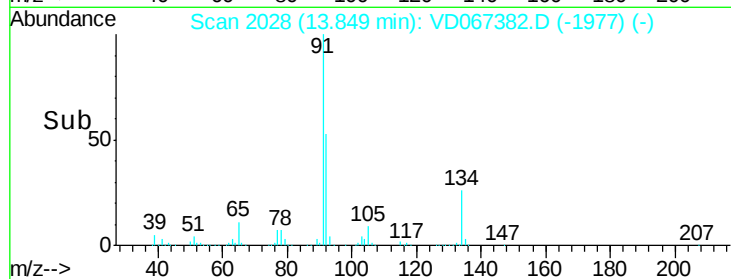
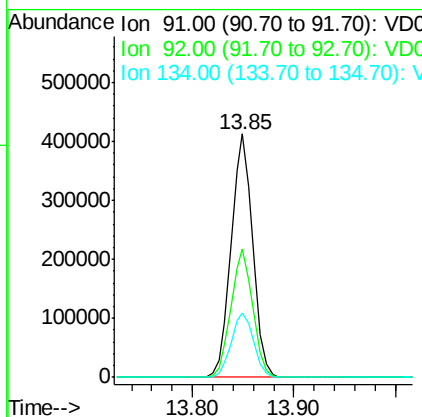
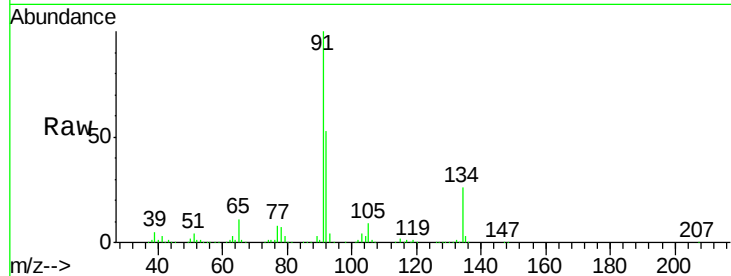
#89
n-Butylbenzene
Concen: 51.492 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.7	80.0
134	27.5	14.2	42.6

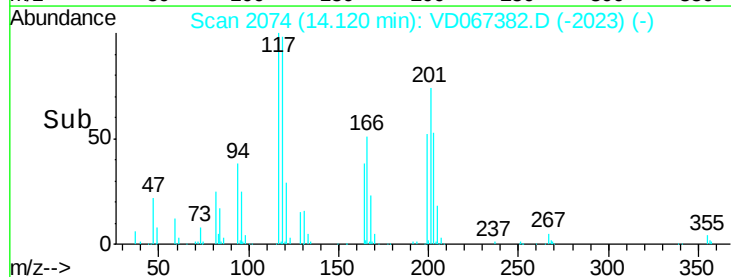
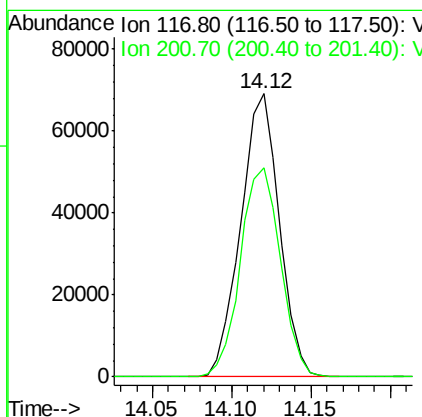
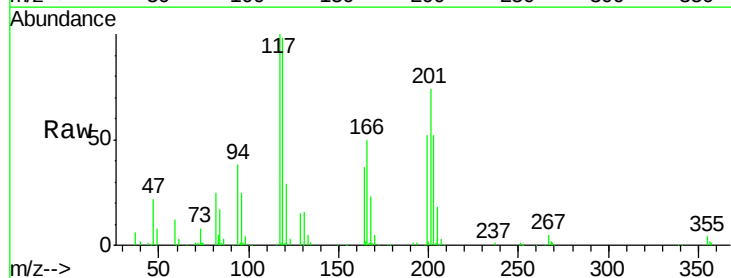
Manual Integrations
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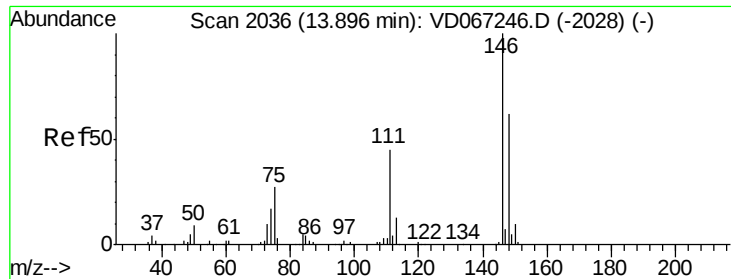
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#90
Hexachloroethane
Concen: 50.232 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.6	40.8	122.2





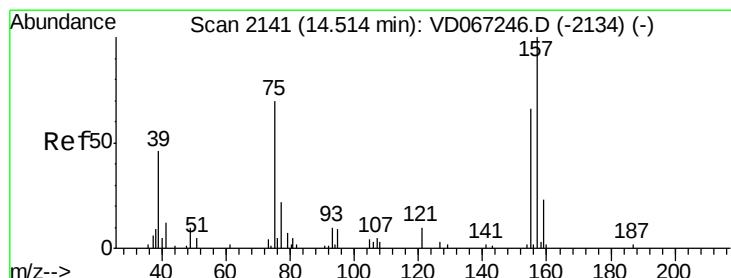
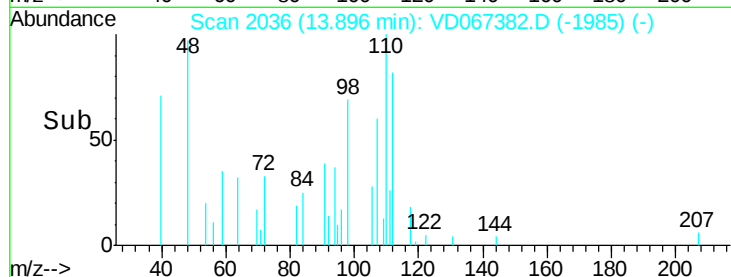
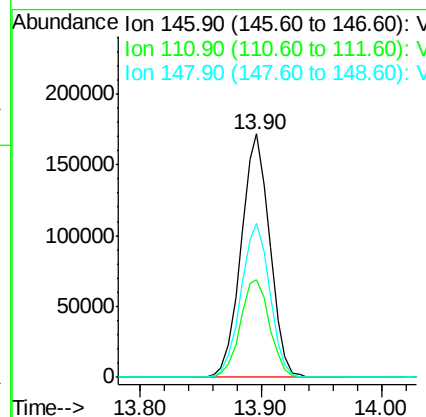
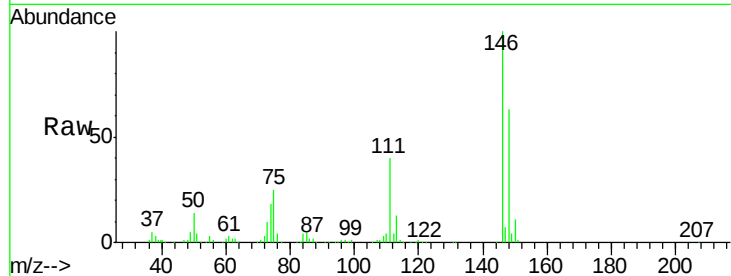
#91
 1,2-Dichlorobenzene
 Concen: 48.154 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	22.0	66.0
148	63.9	32.5	97.5

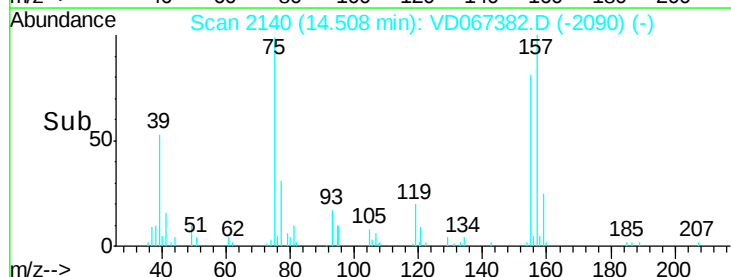
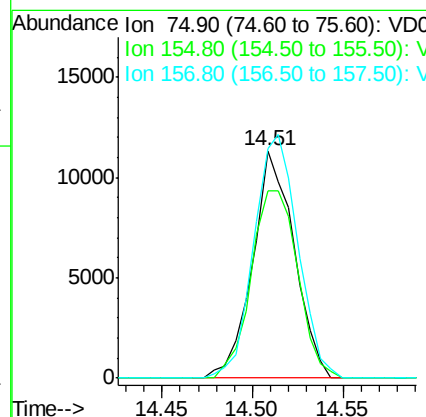
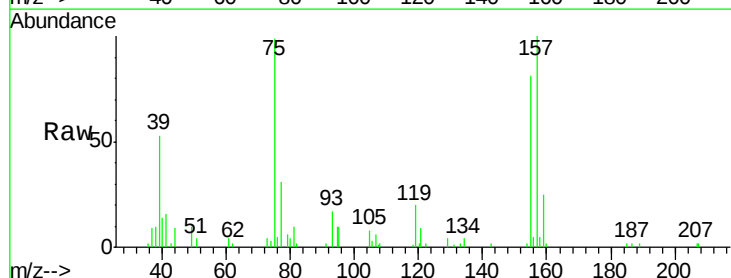
Manual Integrations
 APPROVED

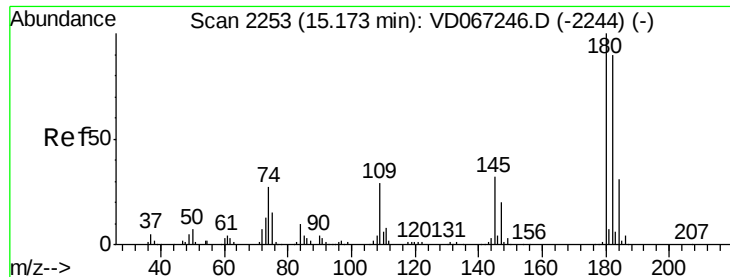
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 10/26/2020 1:37:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.085 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	44.8	134.4
157	113.4	62.5	187.4





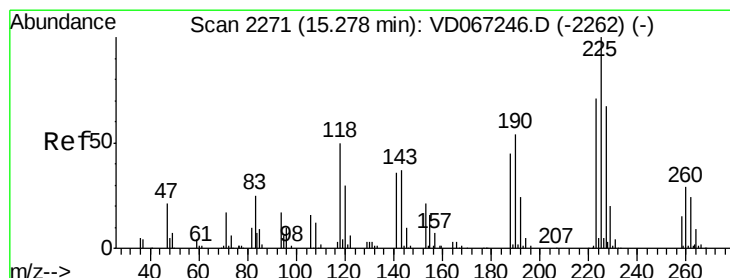
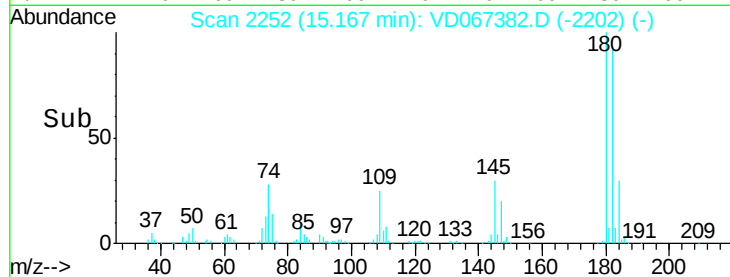
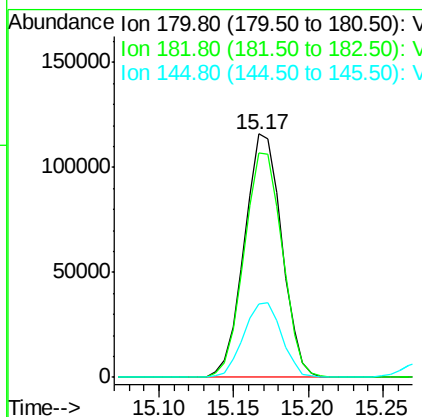
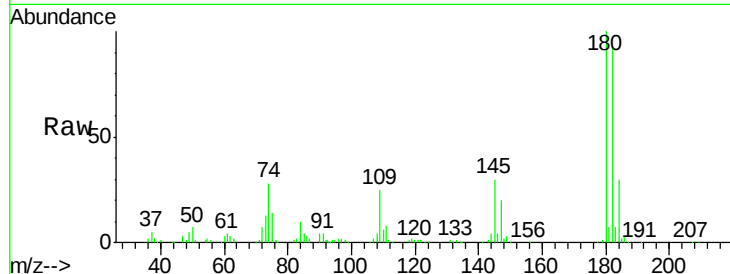
#93
 1,2,4-Trichlorobenzene
 Concen: 50.567 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	201007		
182	94.2	48.1	144.4	
145	31.2	16.3	48.9	

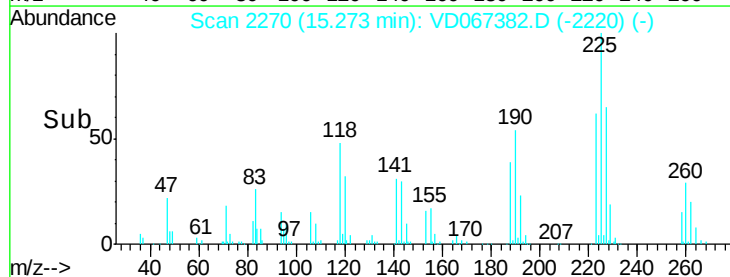
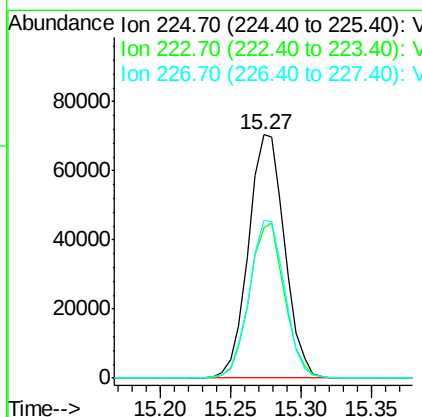
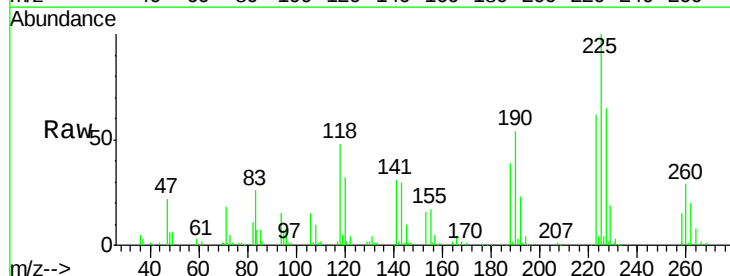
Manual Integrations
 APPROVED

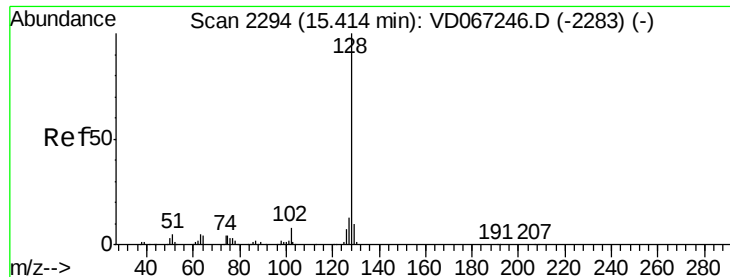
MMDadoda
 10/26/2020 1:37:44 PM



#94
 Hexachlorobutadiene
 Concen: 51.250 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126510		
223	61.8	31.9	95.7	
227	63.7	31.2	93.6	





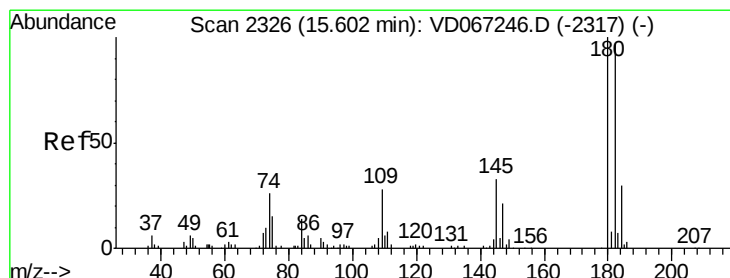
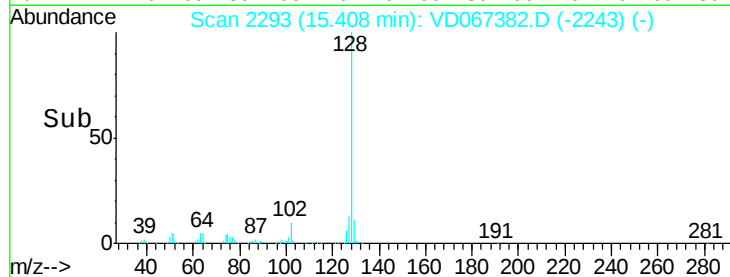
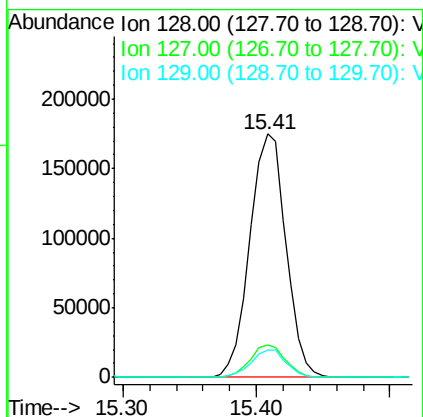
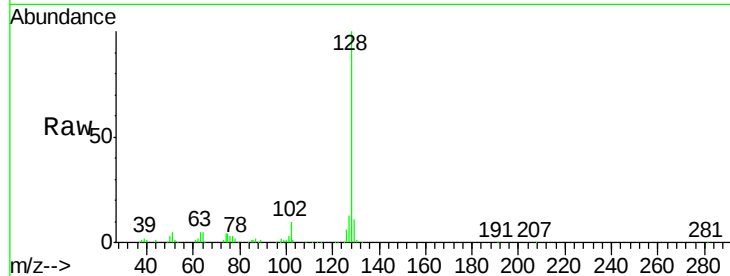
#95
Naphthalene
Concen: 49.940 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.099 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.3
145	34.7	17.3	51.9

