

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067928.D
 Acq On : 09 Dec 2020 16:23
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:19:31 AM

Quant Time: Dec 10 03:52:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	191056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	248023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99040	48.29	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.58%
35) Dibromofluoromethane	7.91	113	89926	49.73	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.46%
50) Toluene-d8	10.34	98	318141	48.87	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.74%
62) 4-Bromofluorobenzene	12.64	95	113722	50.53	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.06%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83582	50.269	ug/l	100
3) Chloromethane	2.21	50	46074	48.015	ug/l	93
4) Vinyl Chloride	2.35	62	57824	47.847	ug/l	97
5) Bromomethane	2.77	94	59920	55.540	ug/l	96
6) Chloroethane	2.93	64	40992	52.097	ug/l	92
7) Trichlorofluoromethane	3.28	101	186615	50.463	ug/l	100
8) Diethyl Ether	3.70	74	34244	47.510	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	80349	47.648	ug/l	94
10) Methyl Iodide	4.30	142	86000	48.114	ug/l	99
11) Tert butyl alcohol	5.21	59	23857	219.141	ug/l	97
12) 1,1-Dichloroethene	4.07	96	75840	47.904	ug/l	94
13) Acrolein	3.92	56	17575	222.978	ug/l	97
14) Allyl chloride	4.71	41	68661	46.880	ug/l	90
15) Acrylonitrile	5.41	53	56995	228.048	ug/l	99
16) Acetone	4.16	43	55108	217.432	ug/l	91
17) Carbon Disulfide	4.41	76	195293	44.182	ug/l #	93
18) Methyl Acetate	4.71	43	21774	45.715	ug/l #	72
19) Methyl tert-butyl Ether	5.47	73	173446	51.163	ug/l	99
20) Methylene Chloride	4.97	84	85427	52.216	ug/l #	97
21) trans-1,2-Dichloroethene	5.47	96	86856	48.212	ug/l	97
22) Diisopropyl ether	6.36	45	140914	47.837	ug/l	92
23) Vinyl Acetate	6.30	43	411881	251.339	ug/l	97
24) 1,1-Dichloroethane	6.26	63	126196	48.871	ug/l	98
25) 2-Butanone	7.21	43	57438	215.464	ug/l	96
26) 2,2-Dichloropropane	7.20	77	159562	51.819	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	98348	49.911	ug/l	96
28) Bromochloromethane	7.54	49	39769	48.508	ug/l	94
29) Tetrahydrofuran	7.56	42	32324	212.957	ug/l	94
30) Chloroform	7.71	83	173911	50.397	ug/l	99
31) Cyclohexane	7.98	56	93903	43.455	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	186841	51.291	ug/l	99
36) 1,1-Dichloropropene	8.11	75	115996	49.579	ug/l	99
37) Ethyl Acetate	7.28	43	27131	43.027	ug/l	97
38) Carbon Tetrachloride	8.10	117	184966	52.252	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	135015	48.697	ug/l	97
40) Benzene	8.36	78	318963	49.824	ug/l	100
41) Methacrylonitrile	7.52	41	13069m	43.020	ug/l	
42) 1,2-Dichloroethane	8.43	62	117951	51.696	ug/l	98
43) Isopropyl Acetate	8.45	43	58368	47.045	ug/l	99
44) Trichloroethene	9.11	130	110038	49.994	ug/l	90
45) 1,2-Dichloropropane	9.39	63	61041	46.457	ug/l	95
46) Dibromomethane	9.48	93	43269	47.364	ug/l	93
47) Bromodichloromethane	9.66	83	131309	50.418	ug/l	98
48) Methyl methacrylate	9.46	41	28904	45.879	ug/l	93
49) 1,4-Dioxane	9.46	88	8796	842.638	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	132347	225.385	ug/l	98
52) Toluene	10.40	92	219202	48.975	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	115376	51.327	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	123315	50.433	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	57192	45.746	ug/l	97
56) Ethyl methacrylate	10.66	69	59117	46.475	ug/l #	90
57) 1,3-Dichloropropane	10.95	76	89947	45.419	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	133568	230.763	ug/l	92
59) 2-Hexanone	10.98	43	95035	229.582	ug/l	98
60) Dibromochloromethane	11.14	129	97638	51.809	ug/l	97
61) 1,2-Dibromoethane	11.25	107	58127	47.280	ug/l	99
64) Tetrachloroethene	10.88	164	96541	47.720	ug/l	95
65) Chlorobenzene	11.67	112	258313	50.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	109598	52.507	ug/l	92
67) Ethyl Benzene	11.75	91	449631	51.575	ug/l	98
68) m/p-Xylenes	11.86	106	349335	101.623	ug/l	99
69) o-Xylene	12.18	106	159764	52.351	ug/l	99
70) Styrene	12.20	104	276061	52.022	ug/l	99
71) Bromoform	12.36	173	55568	50.292	ug/l #	99
73) Isopropylbenzene	12.48	105	455502	51.090	ug/l	99
74) N-amyl acetate	12.29	43	48923	44.362	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	51459	43.718	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	51551m	54.603	ug/l	
77) Bromobenzene	12.77	156	112548	50.778	ug/l	97
78) n-propylbenzene	12.83	91	500604	50.660	ug/l	99
79) 2-Chlorotoluene	12.91	91	291648	50.169	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	404801	52.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18153	45.994	ug/l	99
82) 4-Chlorotoluene	13.01	91	310467	50.066	ug/l	100
83) tert-Butylbenzene	13.23	119	357074	54.360	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	396858	51.702	ug/l	99
85) sec-Butylbenzene	13.41	105	449728	51.297	ug/l	100
86) p-Isopropyltoluene	13.52	119	447791	52.114	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	209804	49.070	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	211669	49.485	ug/l	98
89) n-Butylbenzene	13.85	91	361964	50.705	ug/l	98
90) Hexachloroethane	14.11	117	79999	50.429	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	187434	50.545	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11246	45.780	ug/l	93

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QLast Update : Wed Dec 02 08:05:58 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	136648	52.681	ug/l	99
94) Hexachlorobutadiene	15.27	225	87808	51.878	ug/l	98
95) Naphthalene	15.41	128	210745	49.930	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	114206	50.984	ug/l	99

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

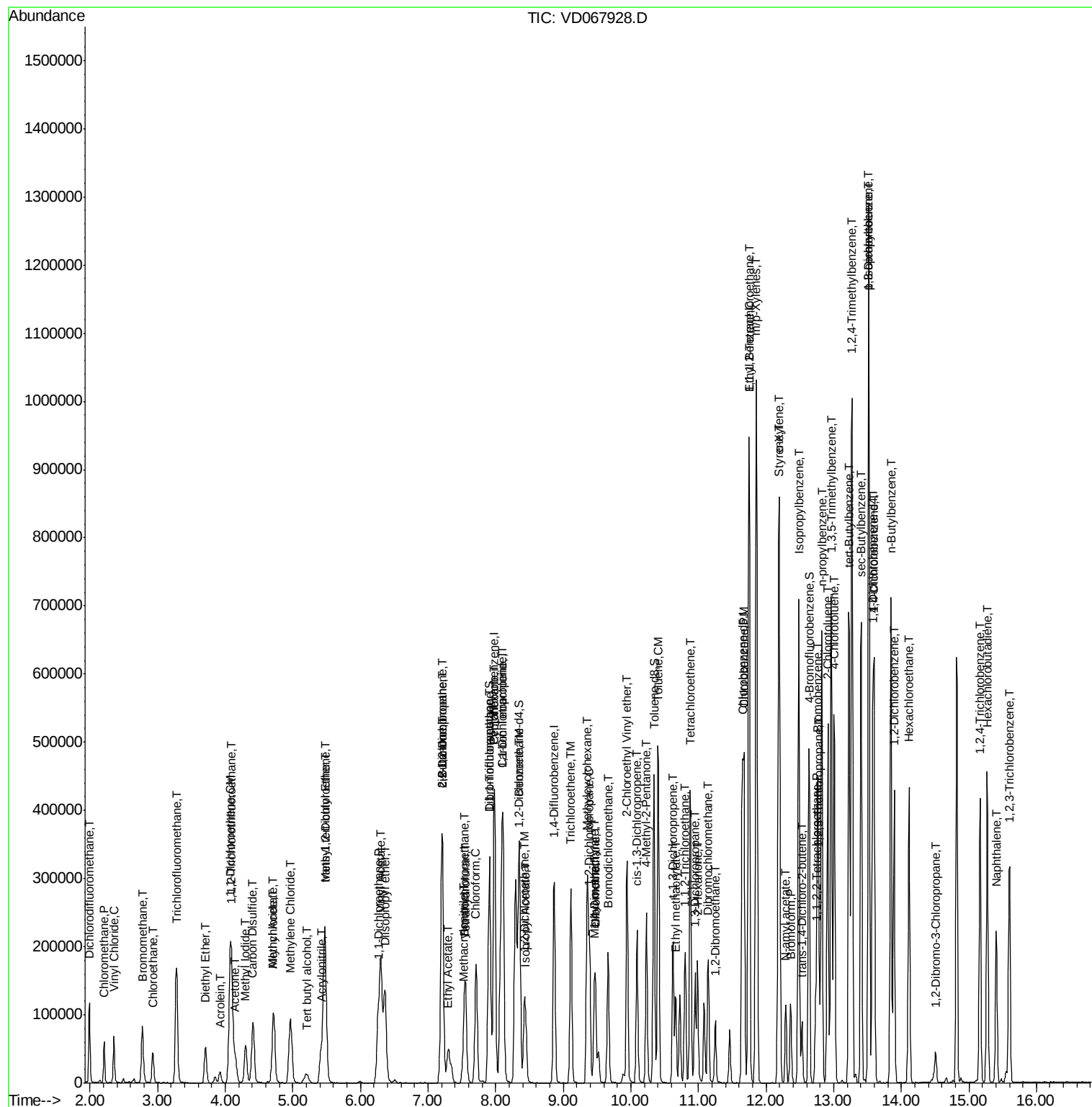
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120920\
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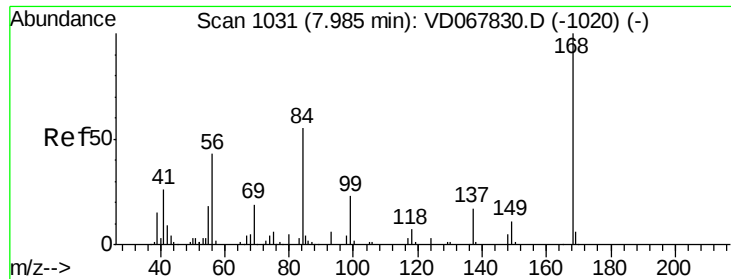
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 191056

Ion Ratio Lower Upper

168 100

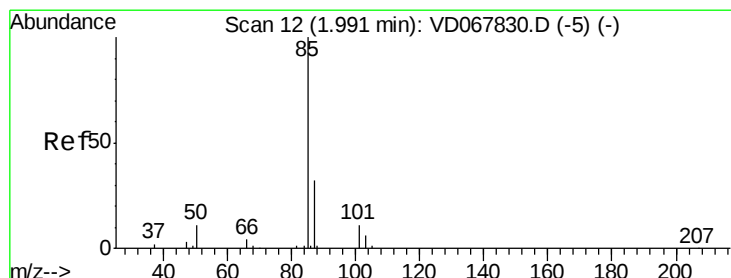
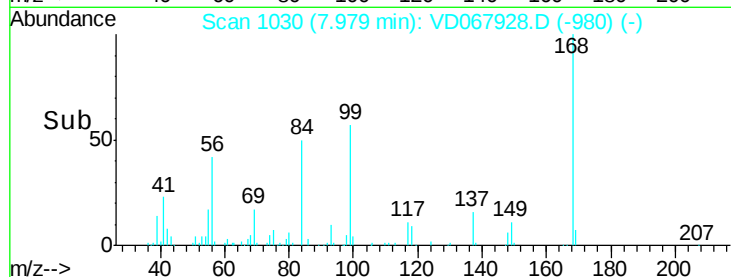
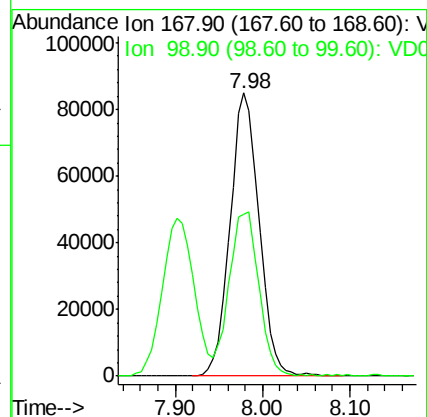
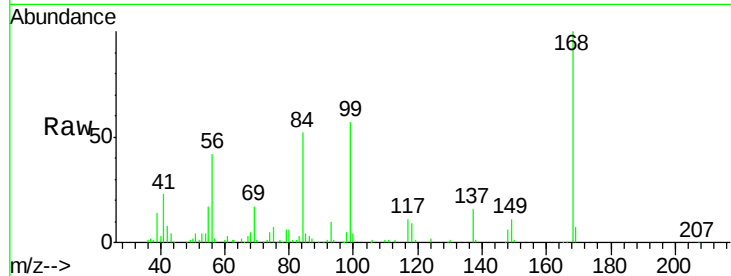
99 56.7 47.1 70.7

Manual Integrations

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12/10/2020 10:19:31 AM



#2

Dichlorodifluoromethane

Concen: 50.269 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067928.D

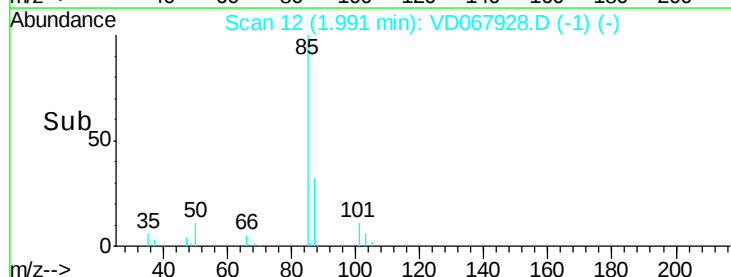
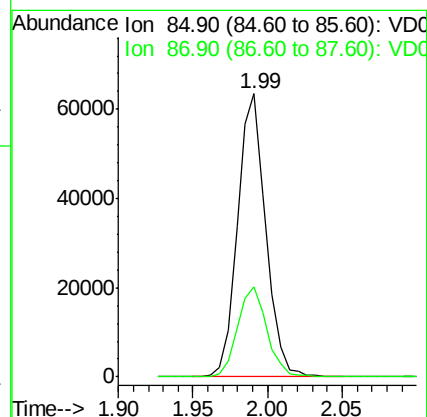
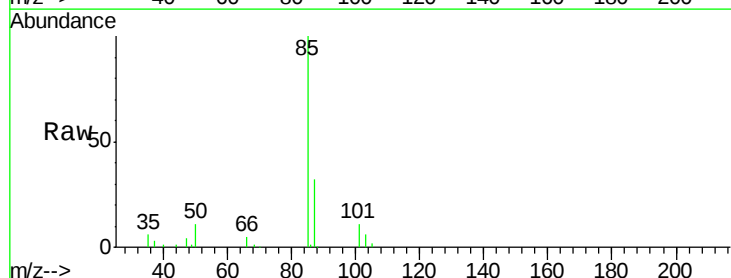
Acq: 09 Dec 2020 16:23

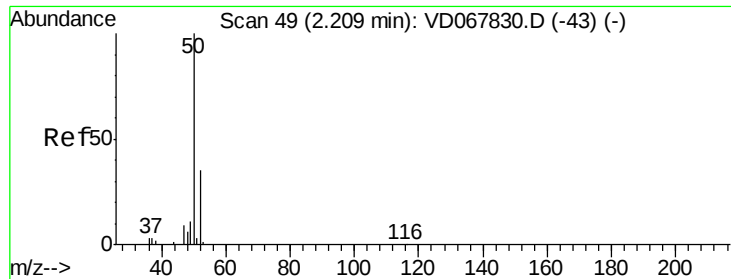
Tgt Ion: 85 Resp: 83582

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.6





#3

Chloromethane

Concen: 48.015 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 46074

Ion Ratio Lower Upper

50 100

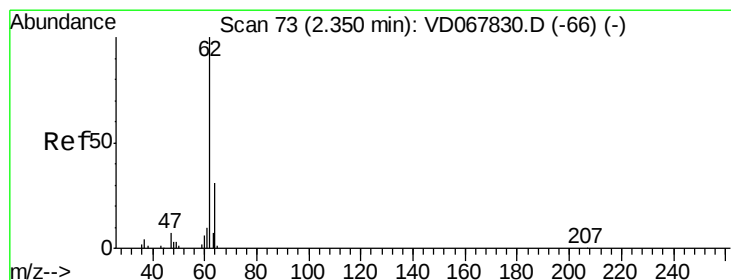
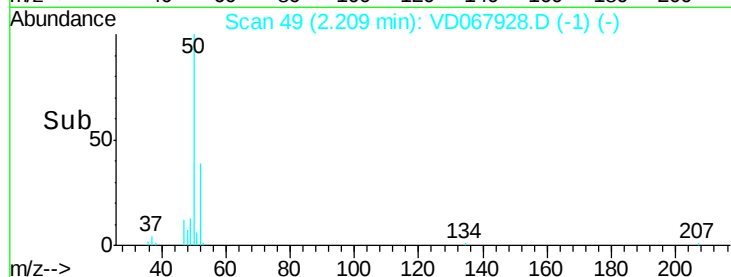
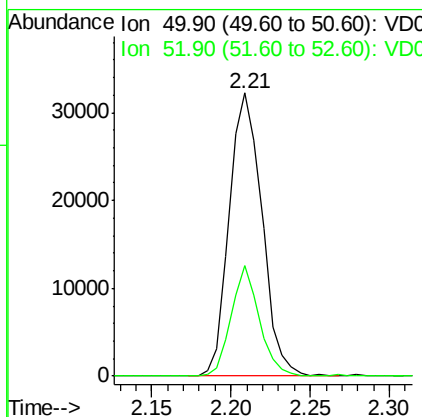
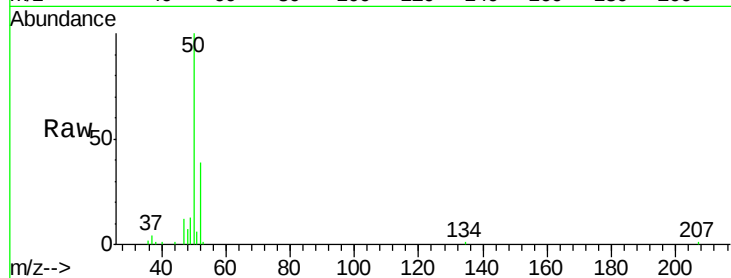
52 38.9 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.847 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067928.D

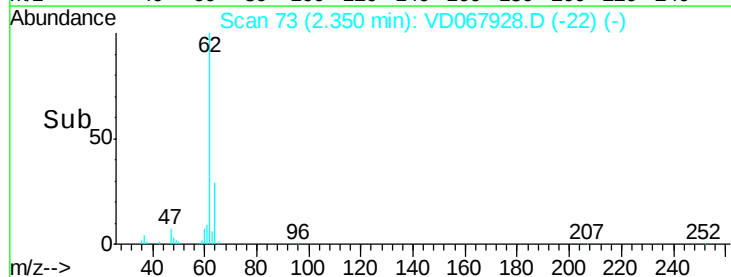
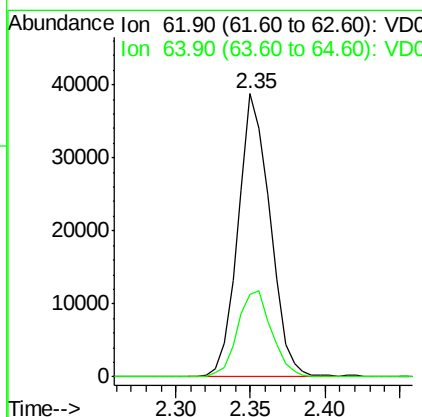
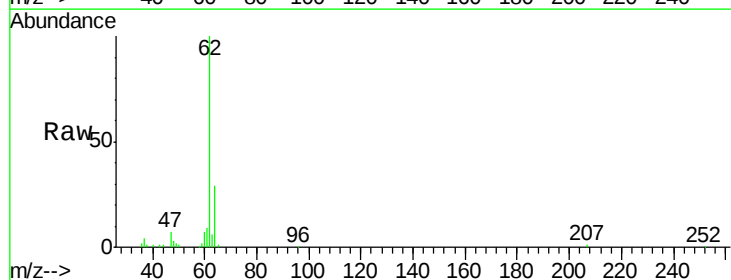
Acq: 09 Dec 2020 16:23

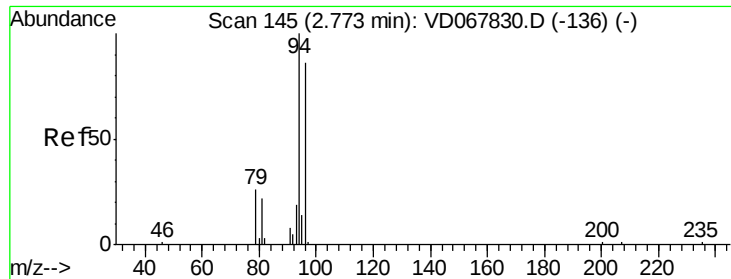
Tgt Ion: 62 Resp: 57824

Ion Ratio Lower Upper

62 100

64 28.9 24.5 36.7





#5

Bromomethane

Concen: 55.540 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 59920

Ion Ratio Lower Upper

94 100

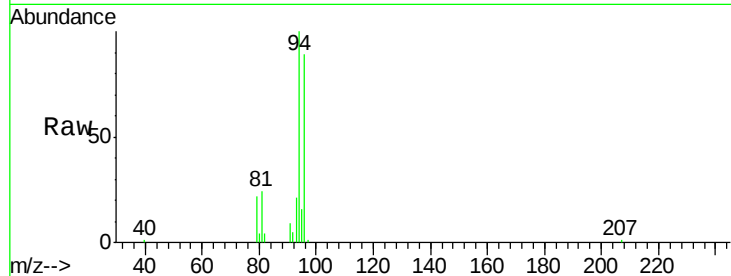
96 89.4 68.7 103.1

Manual Integrations

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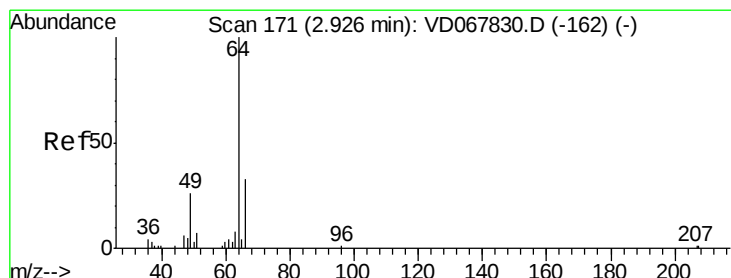
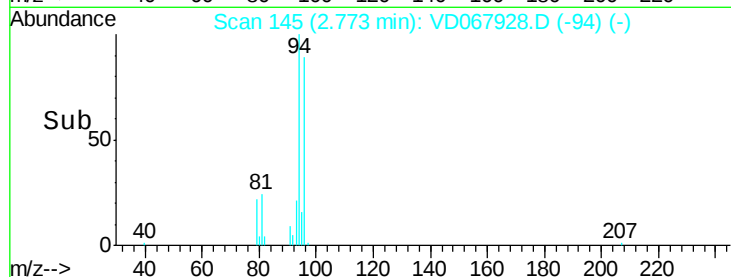
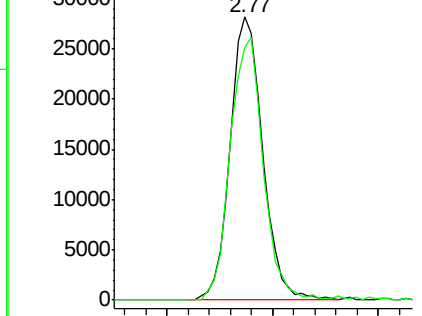
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.097 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067928.D

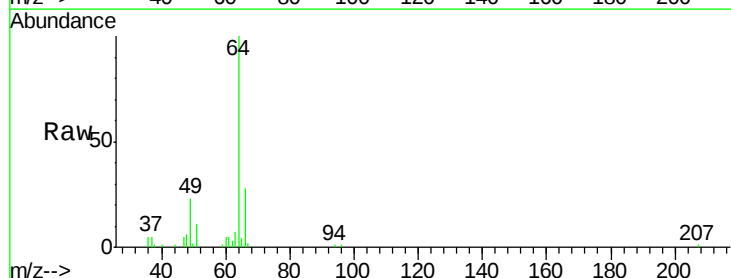
Acq: 09 Dec 2020 16:23

Tgt Ion: 64 Resp: 40992

Ion Ratio Lower Upper

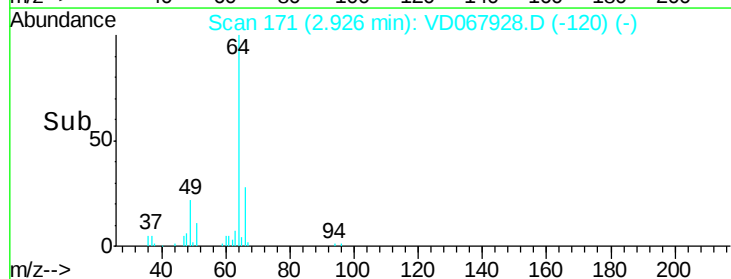
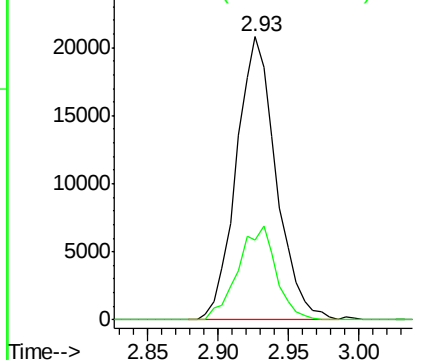
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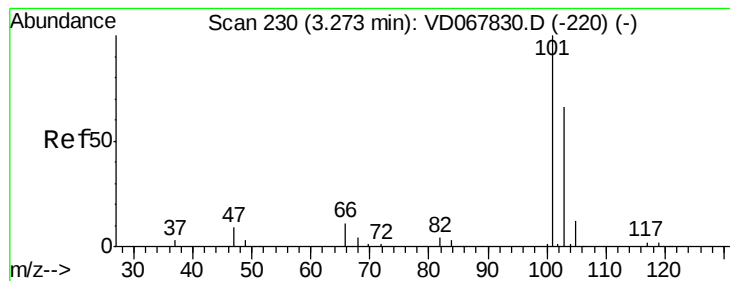
66 28.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

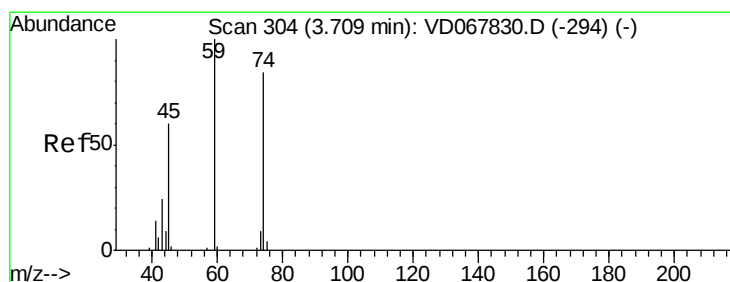
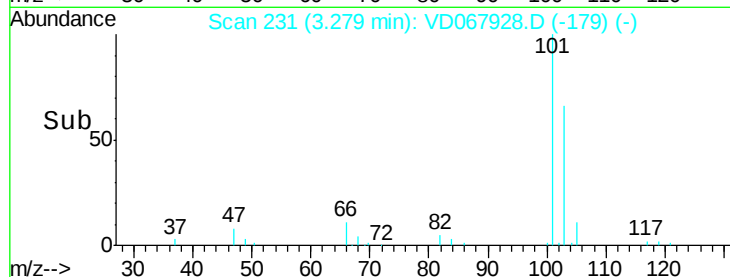
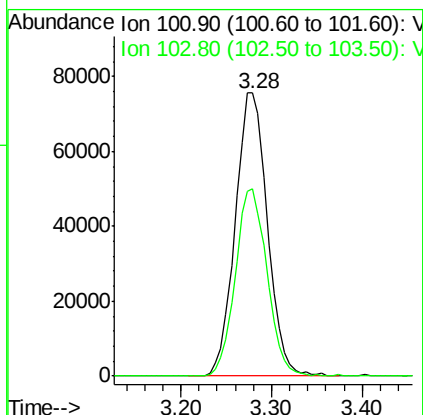
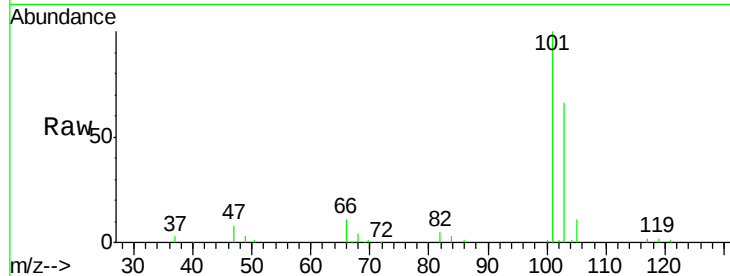
Trichlorofluoromethane
Concen: 50.463 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	53.0	79.6

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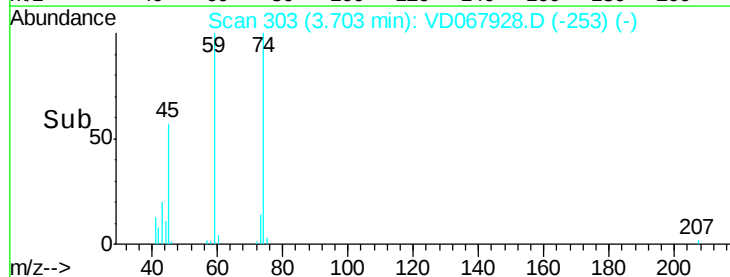
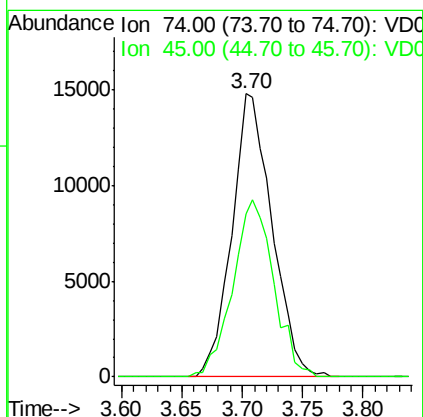
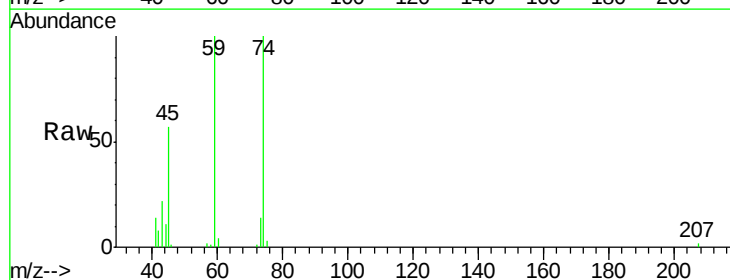
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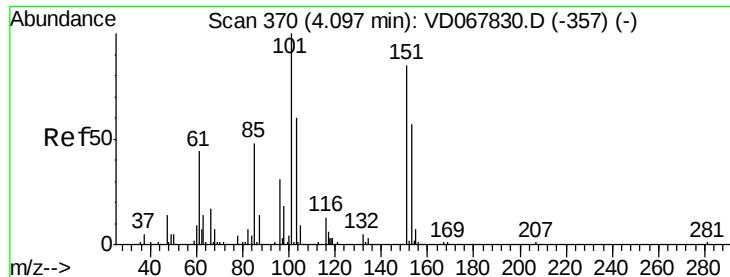


#8

Diethyl Ether
Concen: 47.510 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	63.6	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.648 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

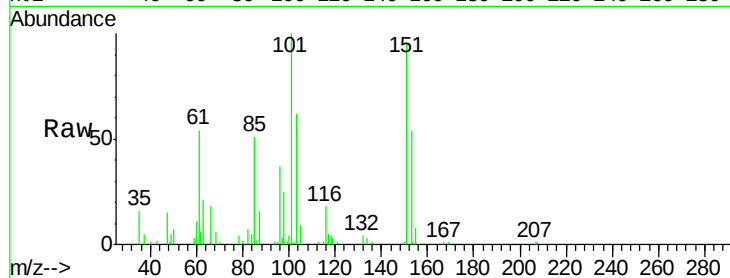
ClientSampleId :

VSTDCCC050EC

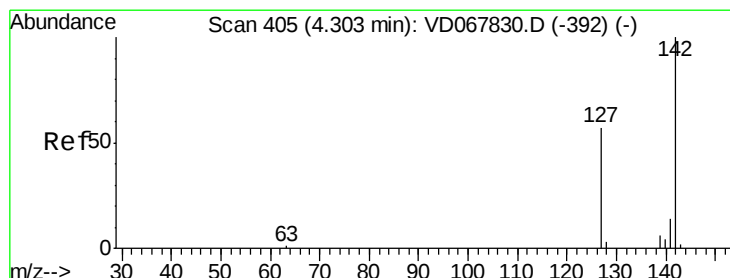
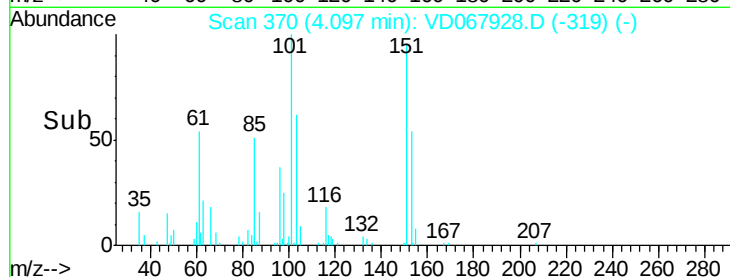
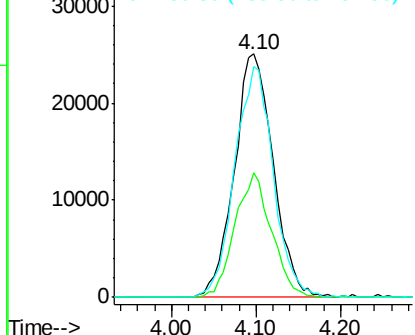
Tot Ion:	101	Resp:	80349
Ion Ratio	Lower	Upper	
101	100		
85	47.6	36.2	54.4
151	93.3	69.4	104.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.114 ug/l

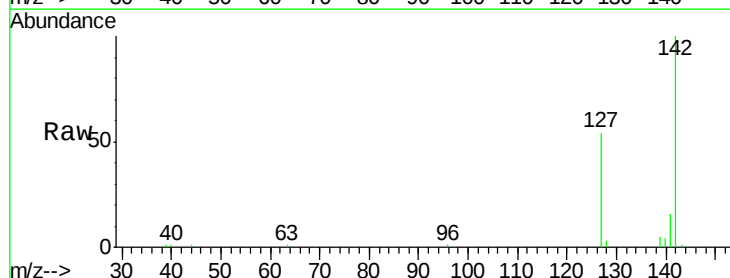
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

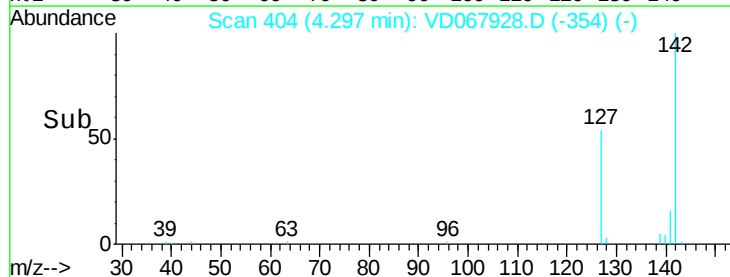
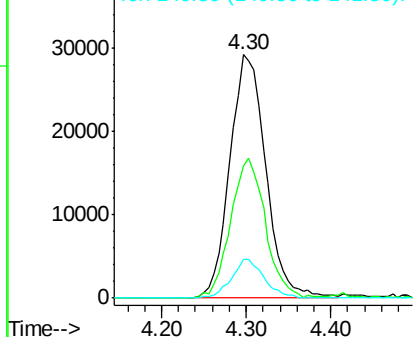
Lab File: VD067928.D

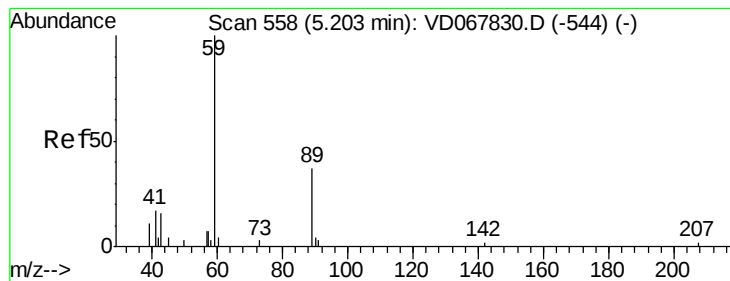
Acq: 09 Dec 2020 16:23

Tgt Ion:	142	Resp:	86000
Ion Ratio	Lower	Upper	
142	100		
127	55.2	43.9	65.9
141	14.5	12.2	18.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

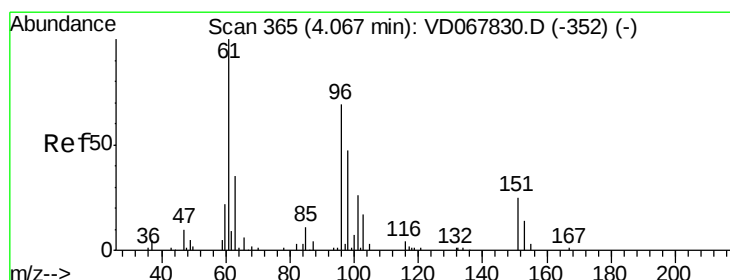
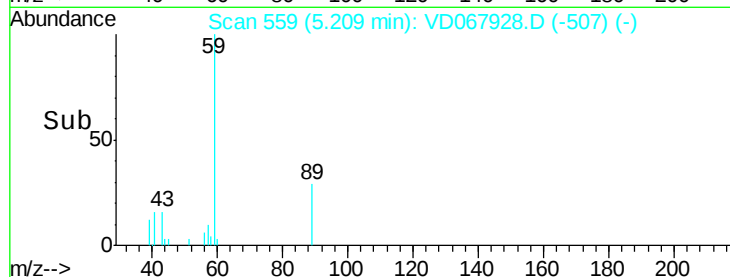
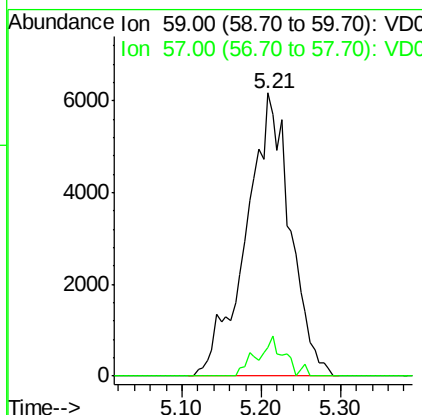
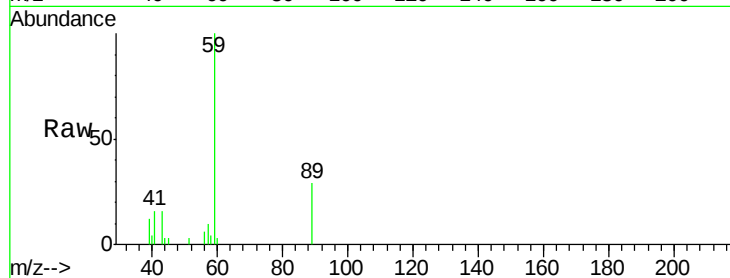
Tert butyl alcohol
Concen: 219.141 ug/l
RT: 5.21 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	23857
Ion Ratio	100	Lower	Upper
57	8.4	7.7	11.5

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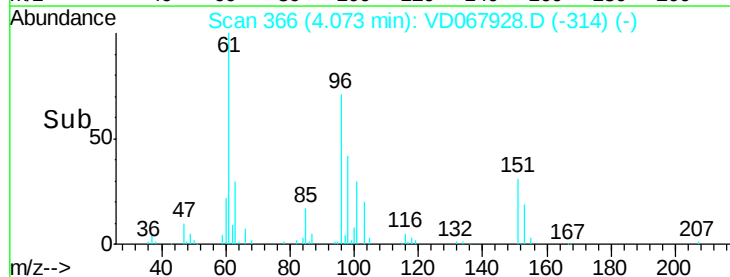
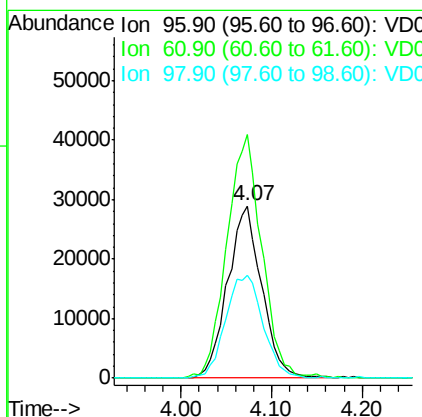
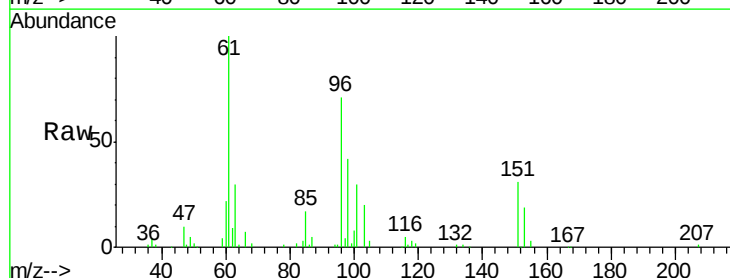
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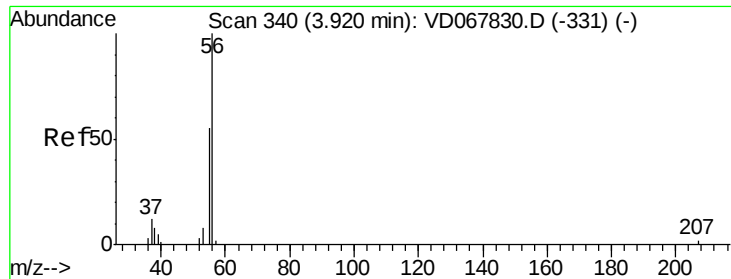


#12

1,1-Dichloroethene
Concen: 47.904 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	96	Resp	75840
Ion Ratio	100	Lower	Upper
61	140.6	116.1	174.1
98	59.6	54.6	82.0





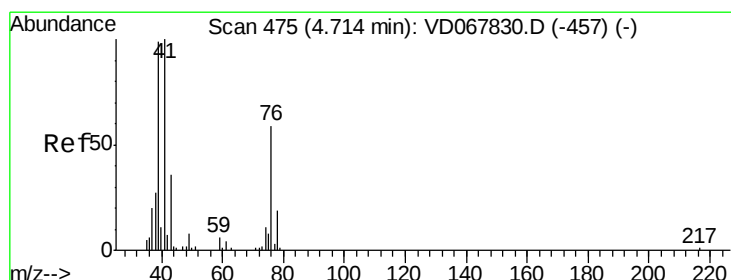
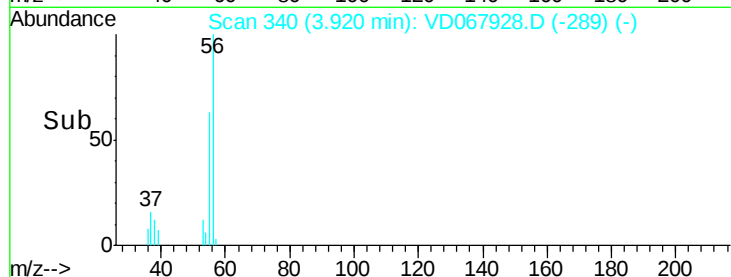
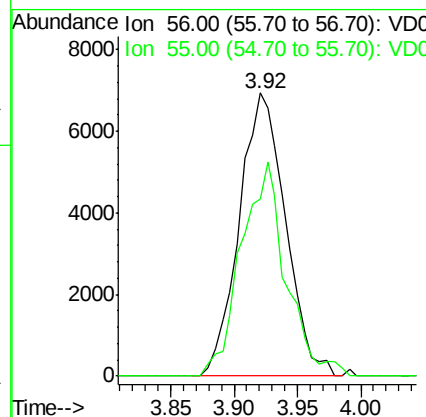
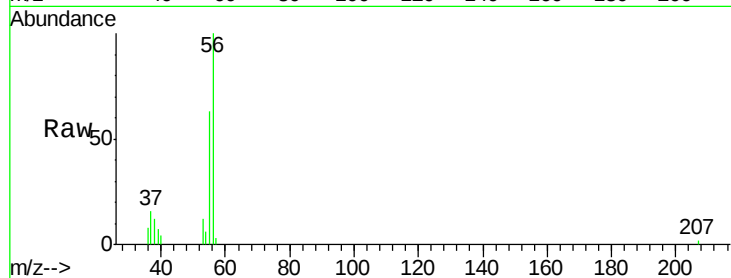
#13
Acrolein
Concen: 222.978 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	17575
Ion Ratio	100	Lower	Upper
55	73.5	56.5	84.7

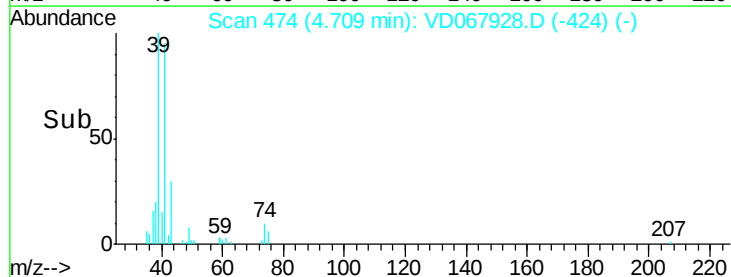
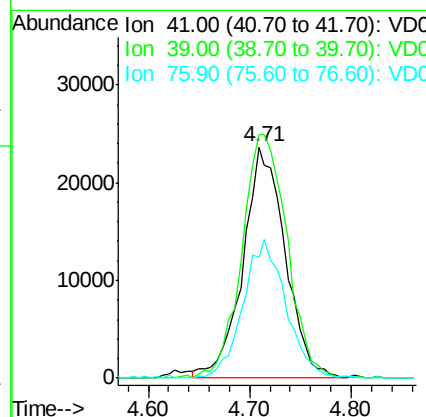
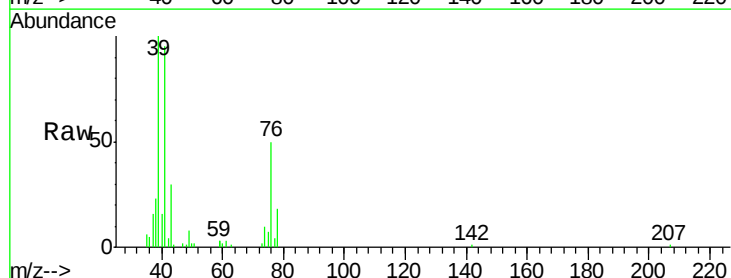
Manual Integrations
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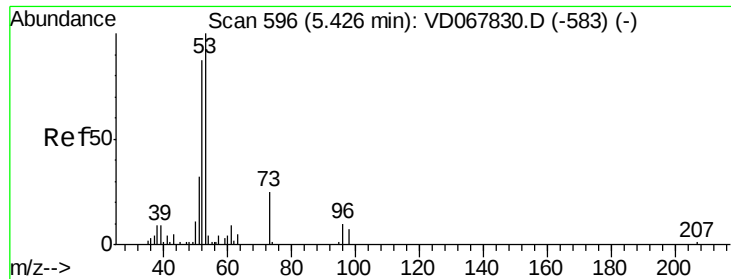
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#14
Allyl chloride
Concen: 46.880 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	41	Resp	68661
Ion Ratio	100	Lower	Upper
39	113.0	79.0	118.6
76	60.6	46.6	70.0





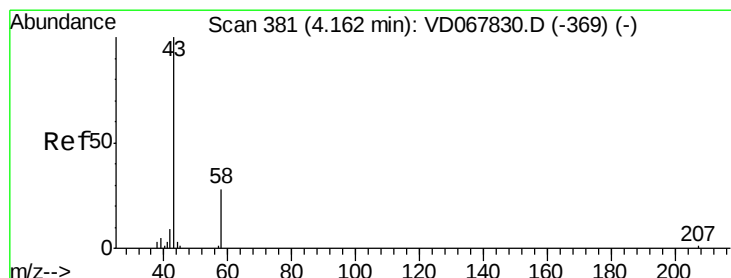
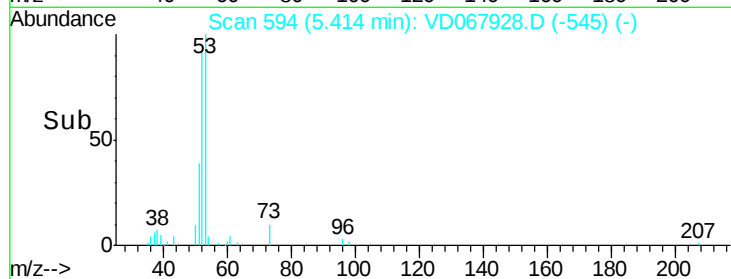
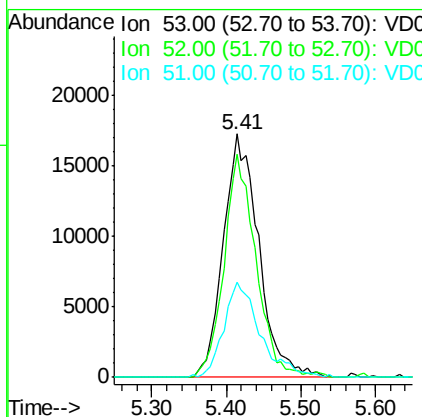
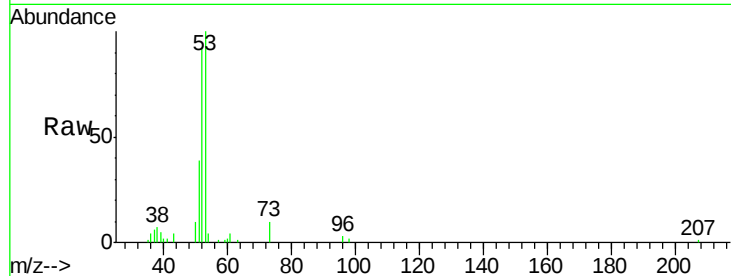
#15
 Acrylonitrile
 Concen: 228.048 ug/l
 RT: 5.41 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	56995
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	40.1	31.1	46.7

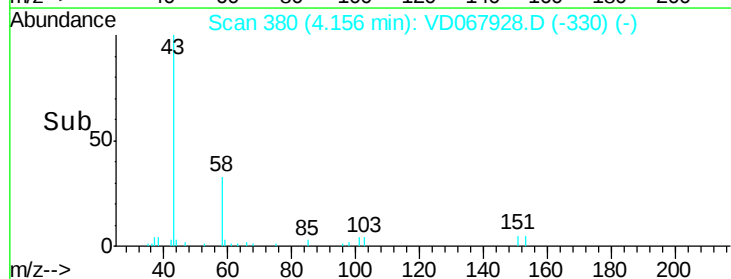
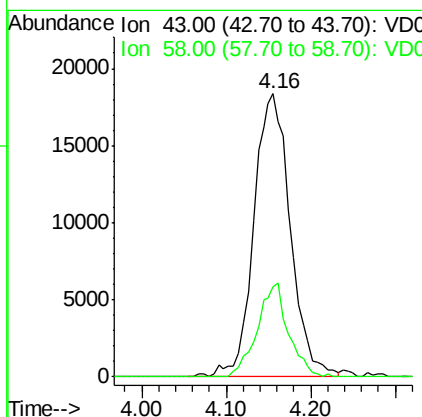
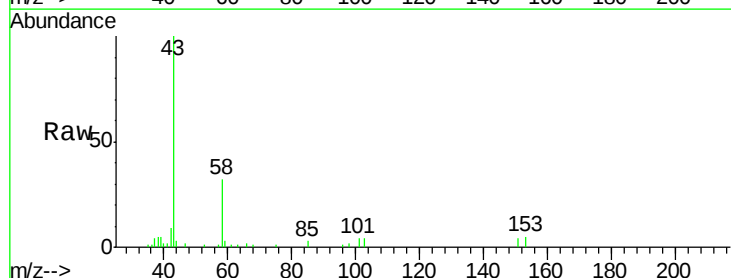
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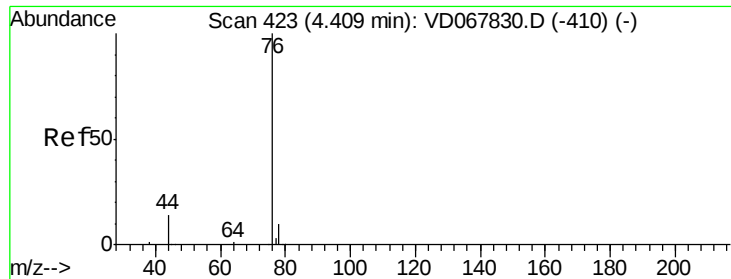
MMDadoda
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#16
 Acetone
 Concen: 217.432 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion:	43	Resp:	55108
Ion	Ratio	Lower	Upper
43	100		
58	31.9	21.9	32.9





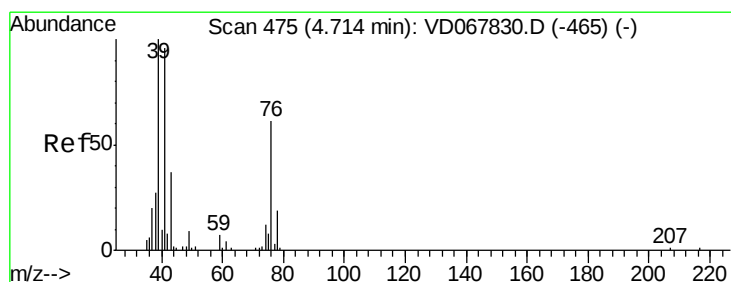
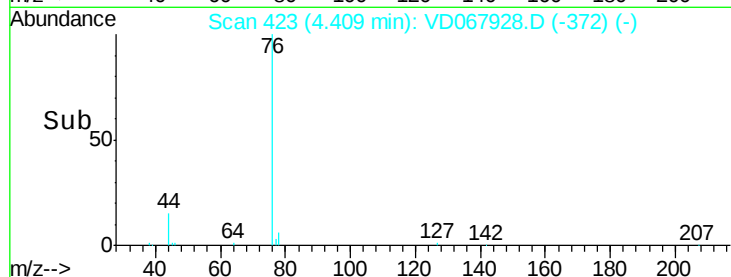
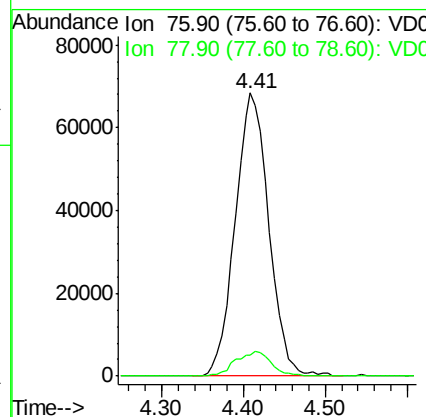
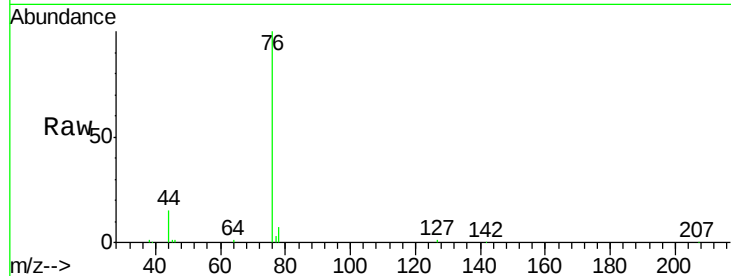
#17
Carbon Disulfide
Concen: 44.182 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 195293
Ion Ratio Lower Upper
76 100
78 7.2 7.8 11.6#

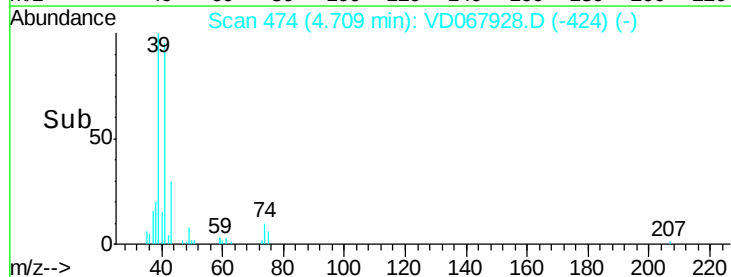
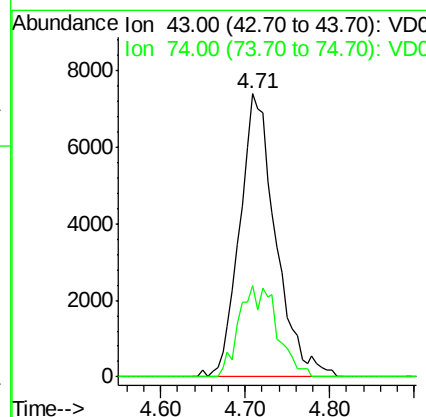
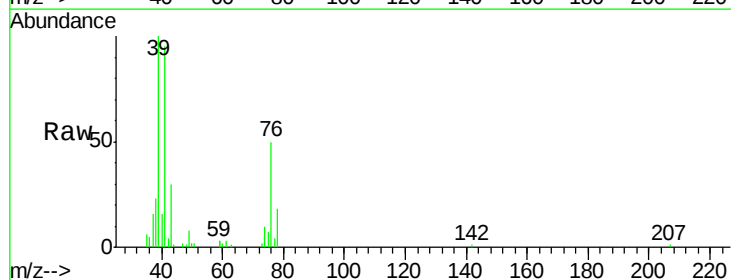
Manual Integrations
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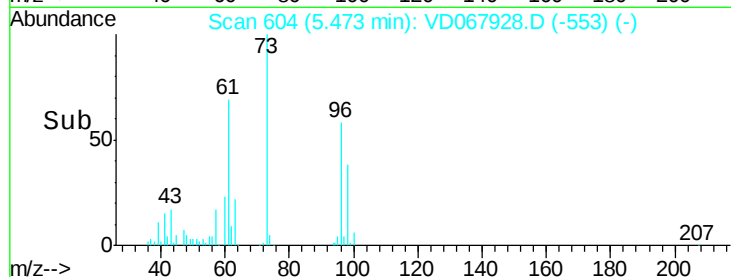
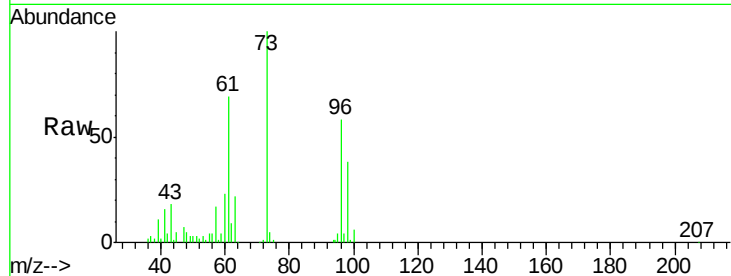
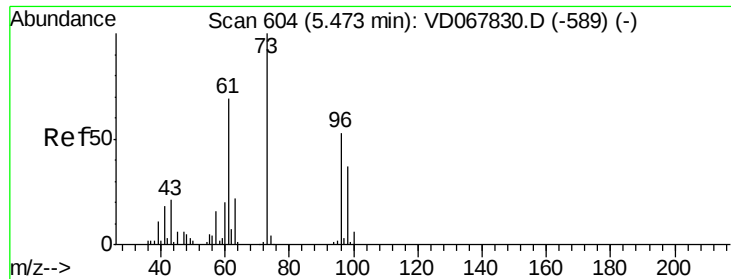
MMDadoda
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#18
Methyl Acetate
Concen: 45.715 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion: 43 Resp: 21774
Ion Ratio Lower Upper
43 100
74 17.5 27.0 40.4#





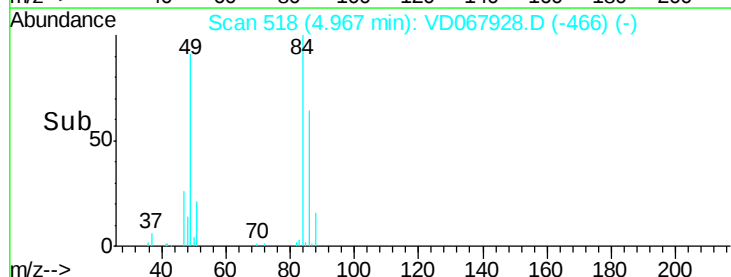
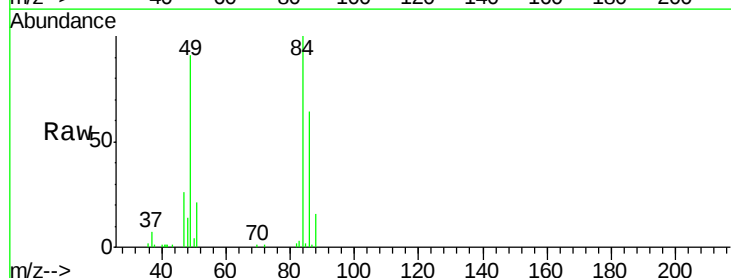
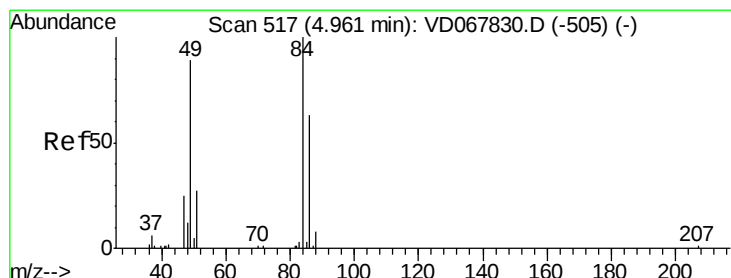
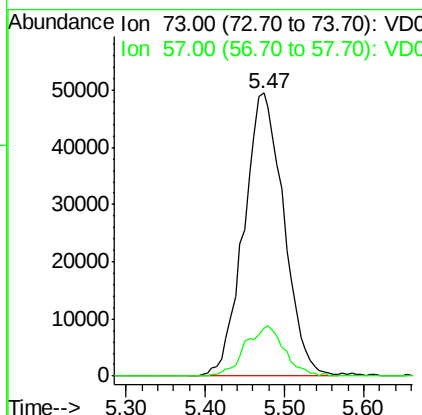
#19
Methyl tert-butyl Ether
Concen: 51.163 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tot Ion: 73 Resp: 173446
Ion Ratio Lower Upper
73 100
57 17.1 13.2 19.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

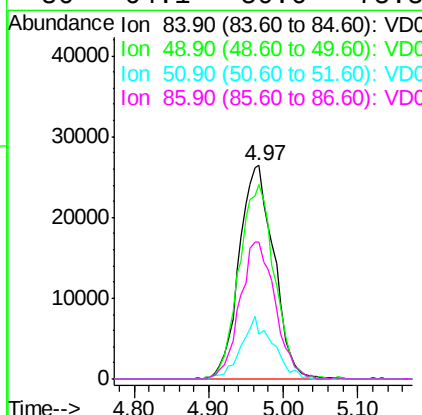
Manual Integrations
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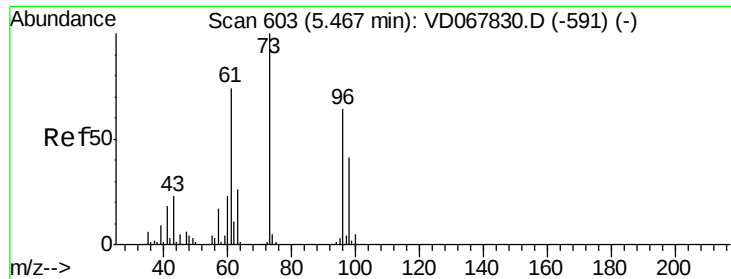
MMDadoda
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#20
Methylene Chloride
Concen: 52.216 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion: 84 Resp: 85427
Ion Ratio Lower Upper
84 100
49 90.9 71.4 107.0
51 20.9 21.8 32.8#
86 64.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 48.212 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

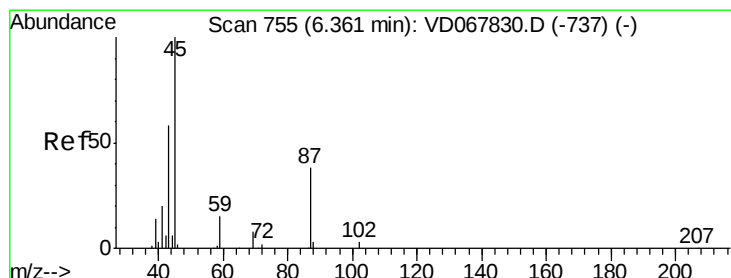
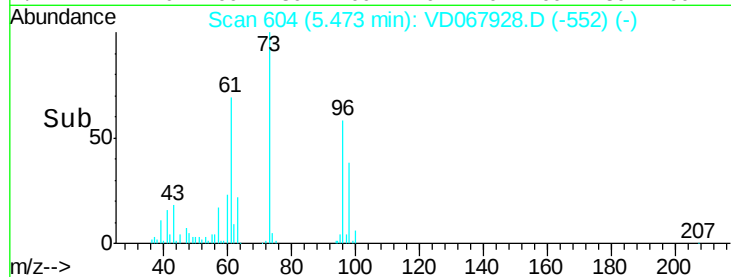
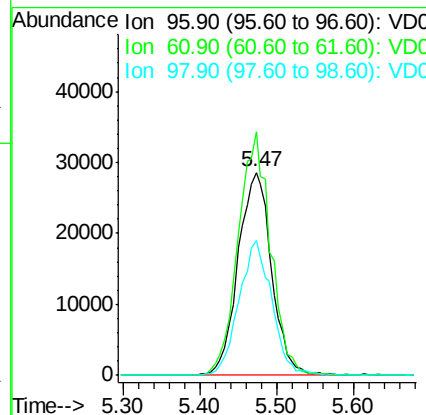
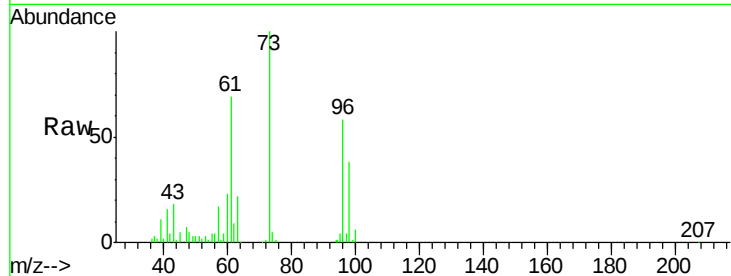
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	86856
Ion	Ratio	Lower	Upper
96	100		
61	120.0	93.1	139.7
98	66.2	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.837 ug/l

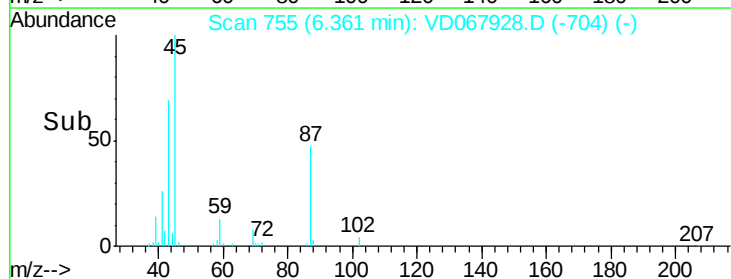
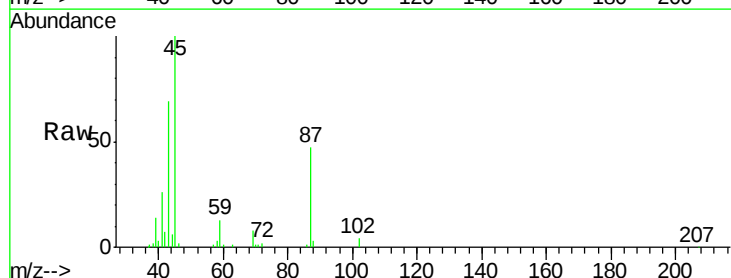
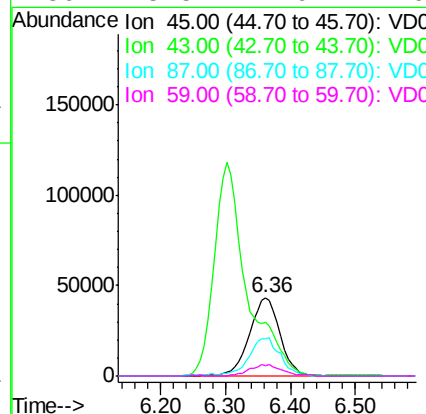
RT: 6.36 min Scan# 755

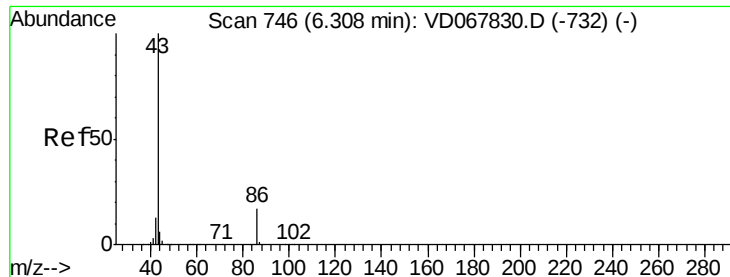
Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Tgt Ion:	45	Resp:	140914
Ion	Ratio	Lower	Upper
45	100		
43	67.6	49.8	74.6
87	47.0	32.1	48.1
59	13.5	11.9	17.9





#23

Vinyl Acetate

Concen: 251.339 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 411881

Ion Ratio Lower Upper

43 100

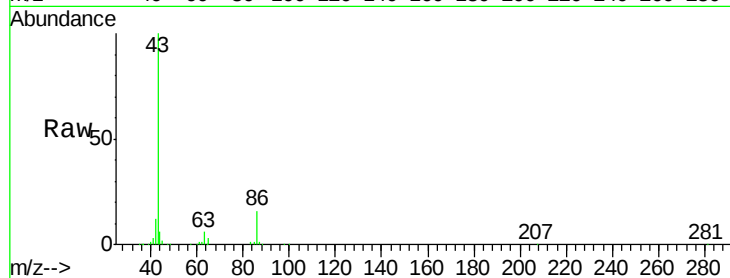
86 16.1 13.8 20.6

Manual Integrations

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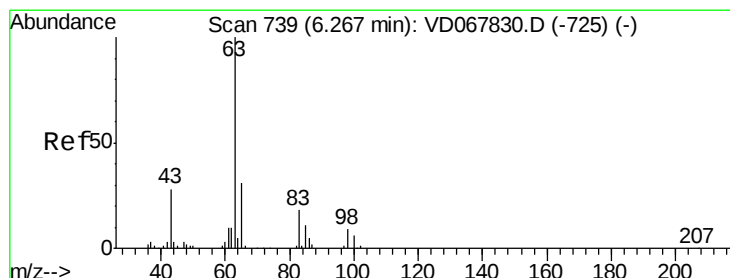
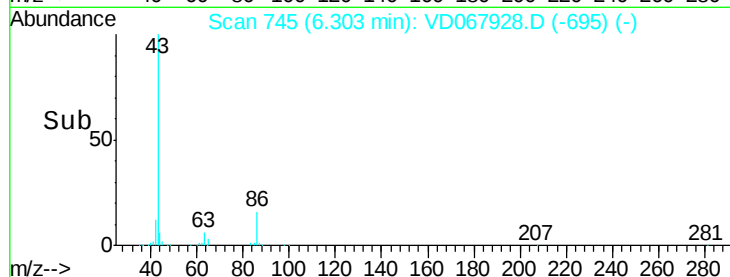
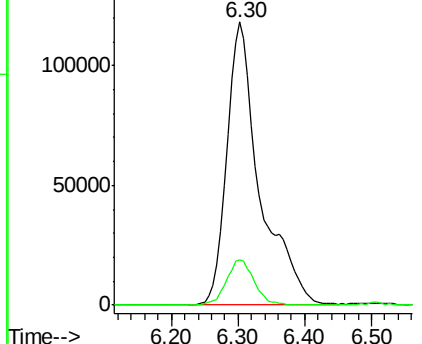
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.871 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

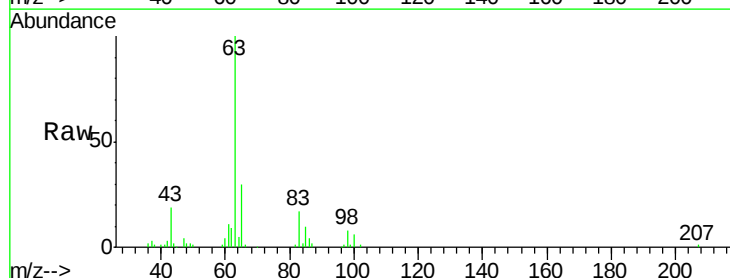
Tgt Ion: 63 Resp: 126196

Ion Ratio Lower Upper

63 100

98 7.6 4.5 13.5

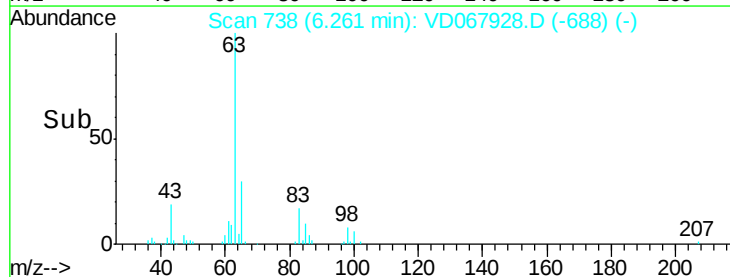
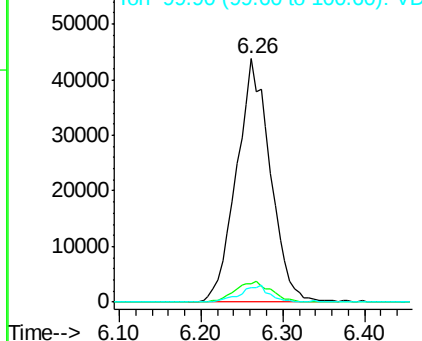
100 6.1 3.0 9.2

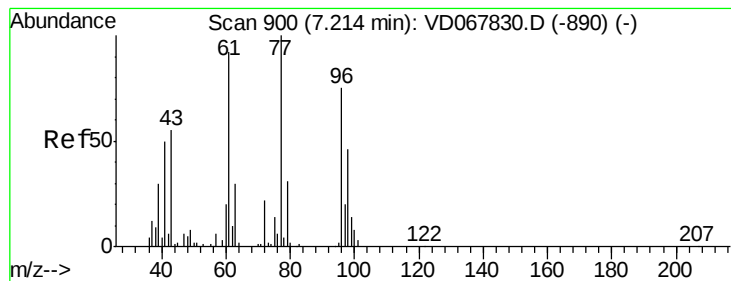


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 215.464 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 57438

Ion Ratio Lower Upper

43 100

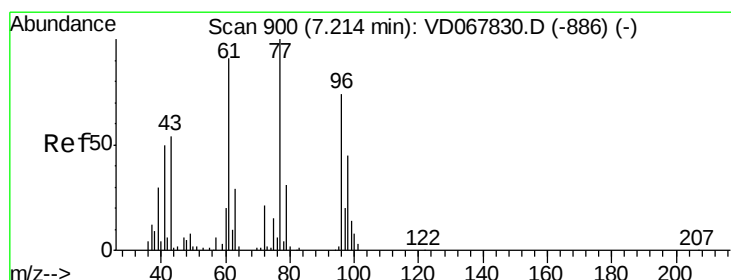
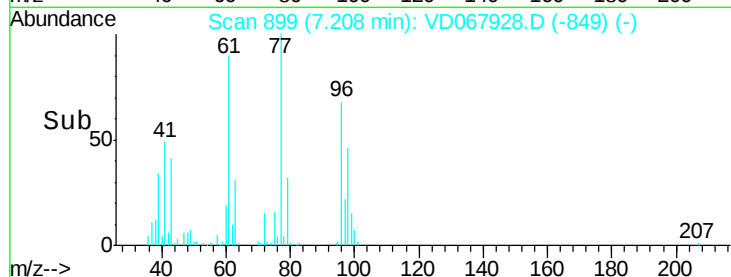
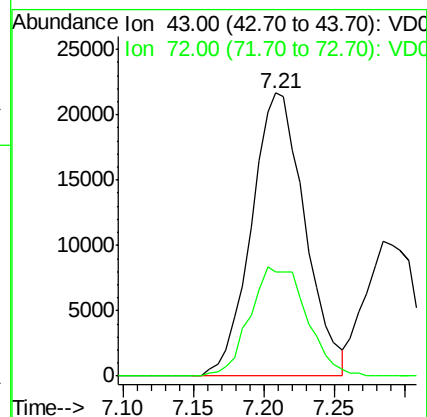
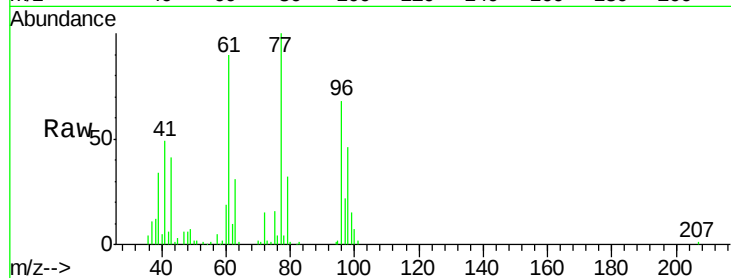
72 36.6 31.3 46.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.819 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067928.D

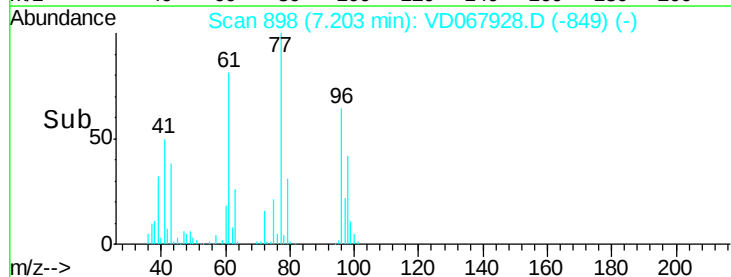
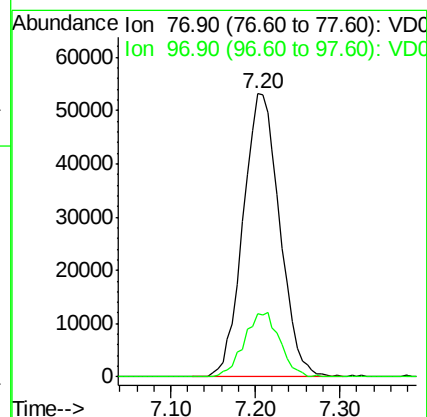
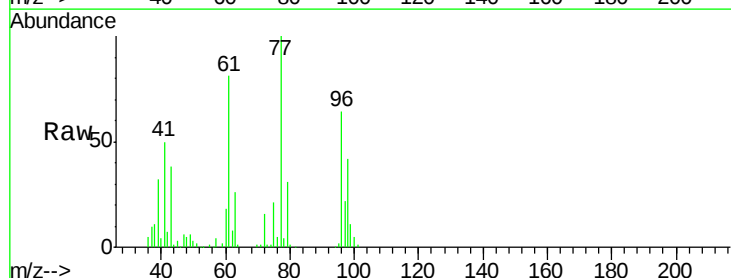
Acq: 09 Dec 2020 16:23

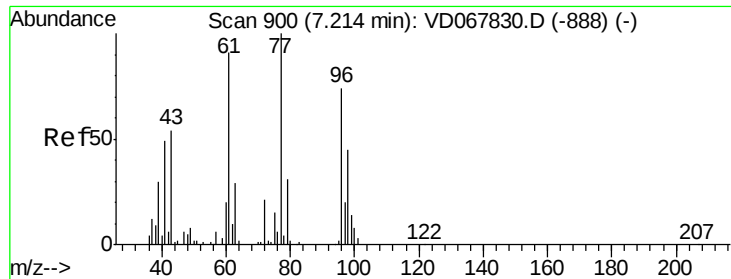
Tgt Ion: 77 Resp: 159562

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

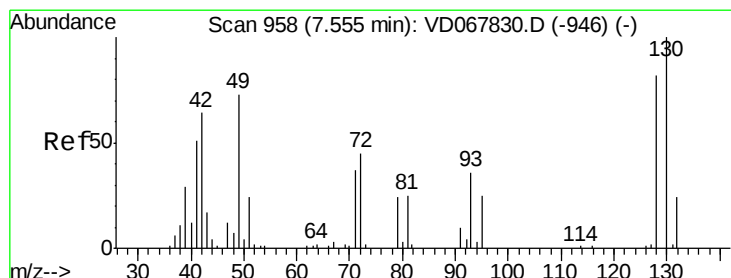
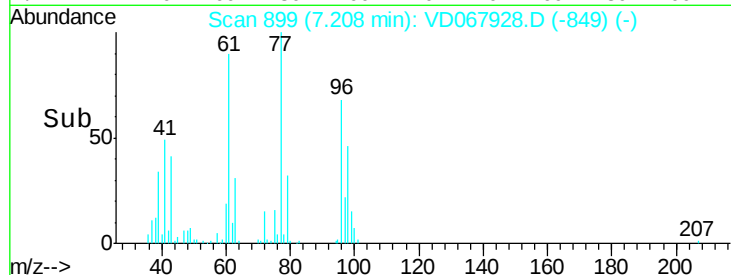
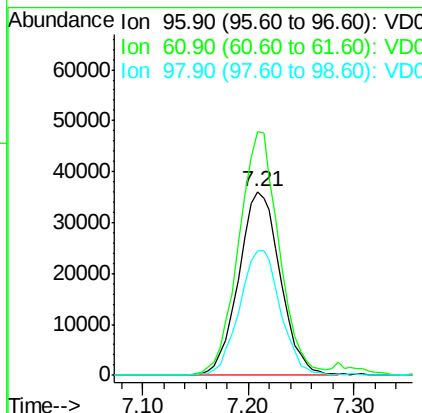
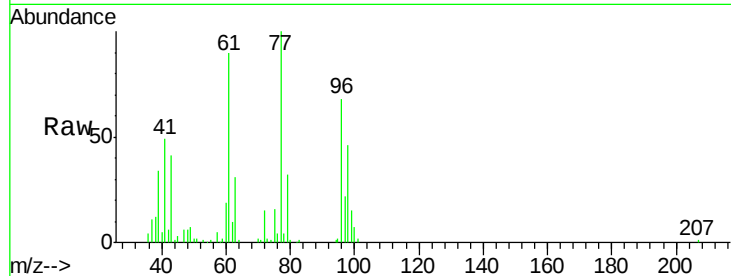
cis-1,2-Dichloroethene
Concen: 49.911 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.0	0.0	248.4	
98	67.6	0.0	127.4	

Manual Integrations
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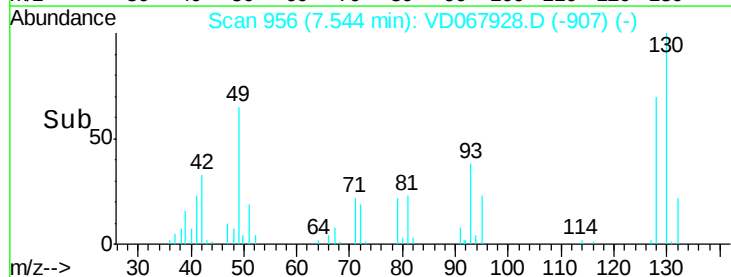
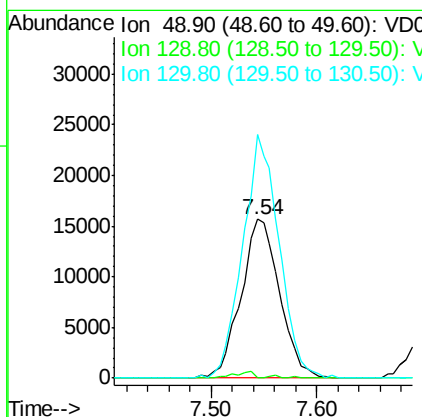
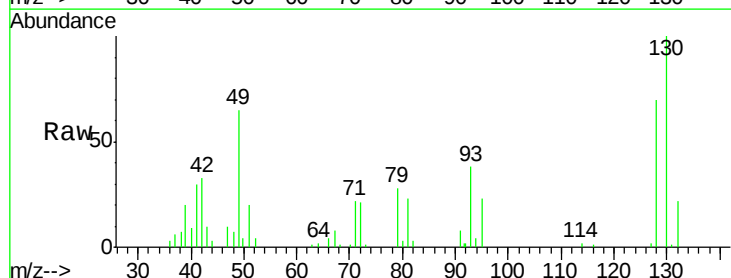
MMDadoda
12/10/2020 10:19:31 AM

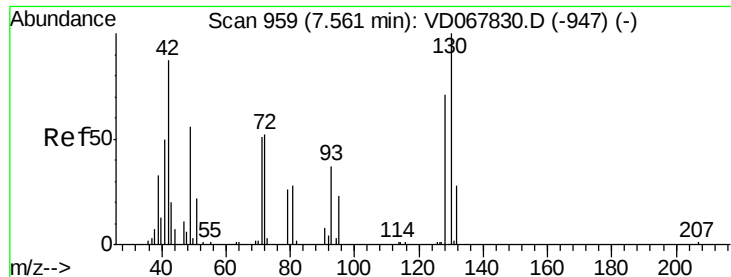


#28

Bromochloromethane
Concen: 48.508 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.4	
130	144.7	110.2	165.2	





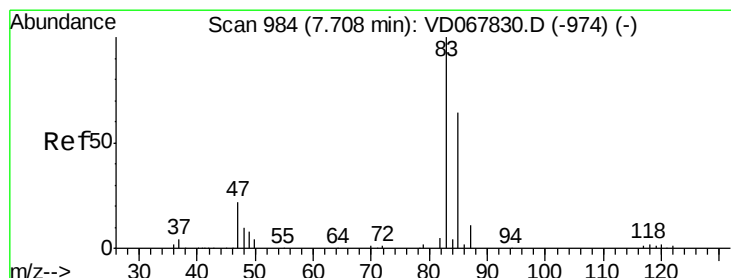
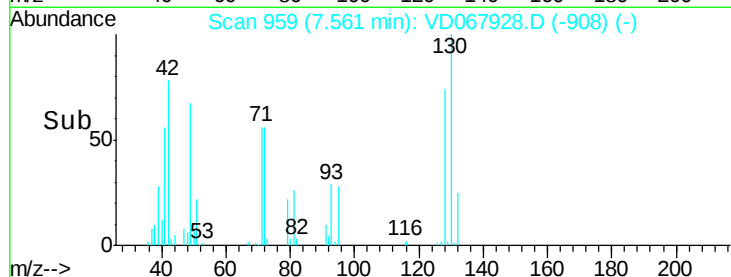
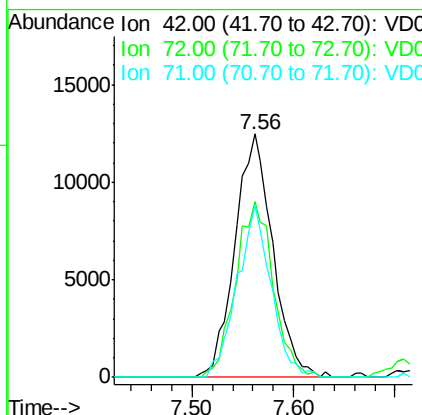
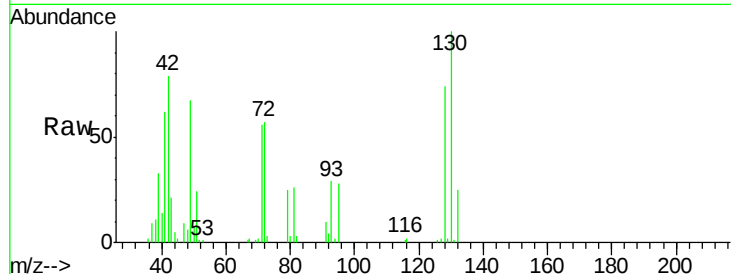
#29
Tetrahydrofuran
Concen: 212.957 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	71.5	51.9	77.9
71	63.6	48.2	72.4

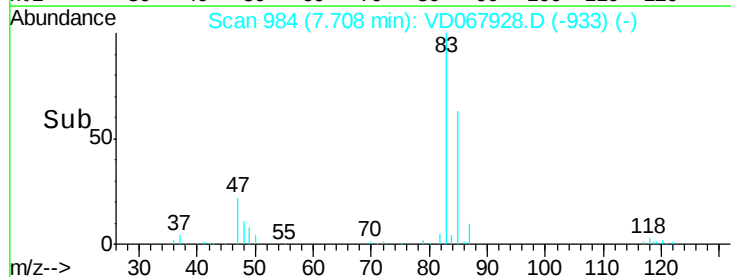
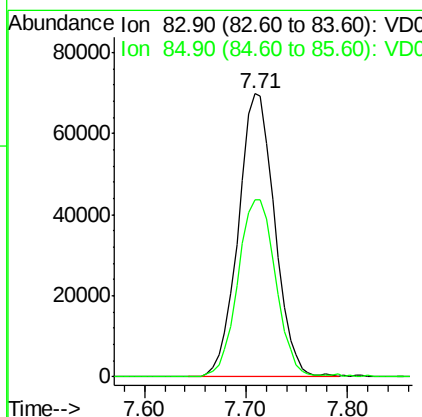
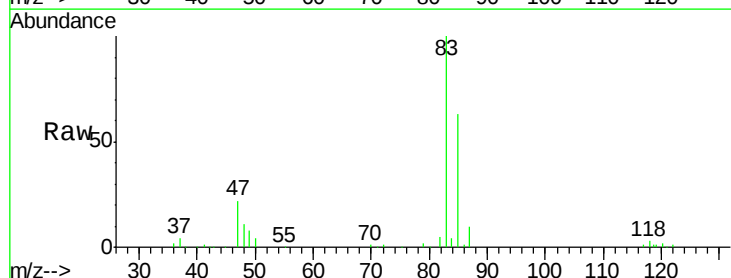
Manual Integrations
APPROVED

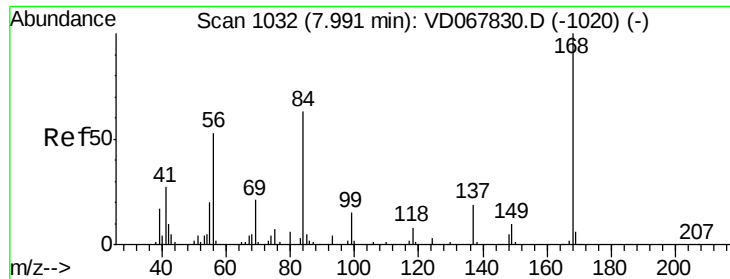
MMDadoda
12/10/2020 10:19:31 AM



#30
Chloroform
Concen: 50.397 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.0	76.4





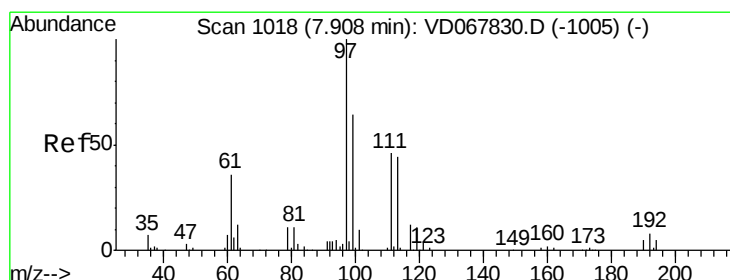
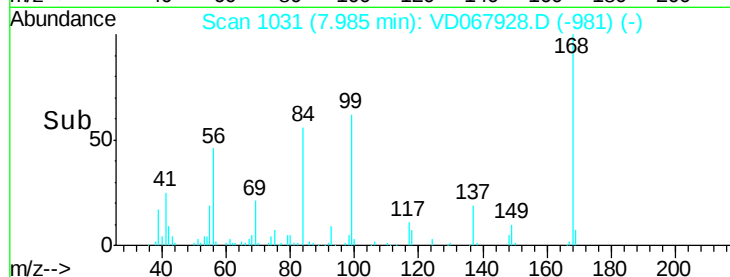
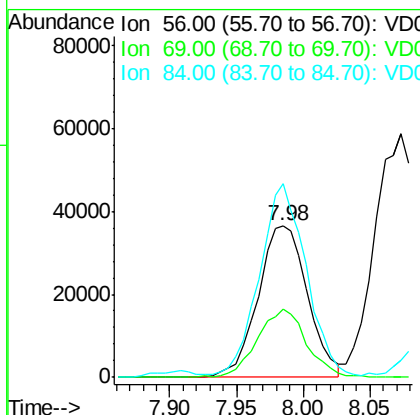
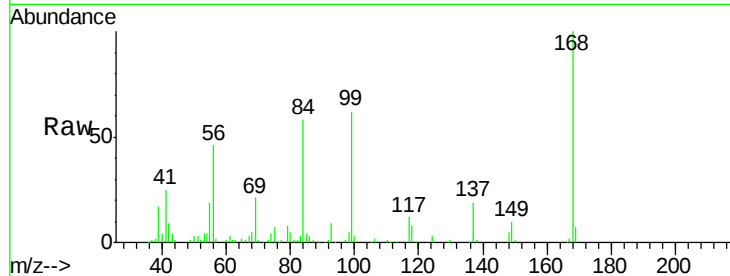
#31
Cyclohexane
Concen: 43.455 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.6	32.1	48.1
84	123.4	93.2	139.8

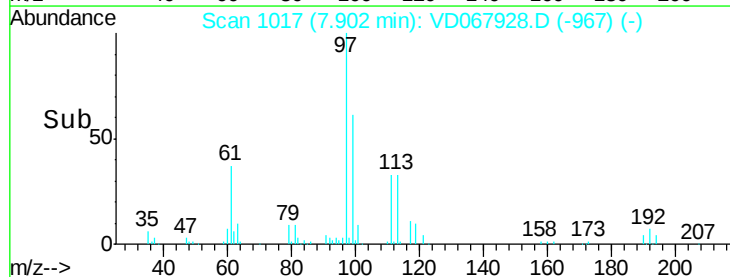
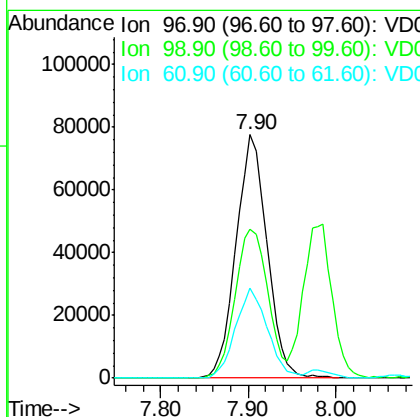
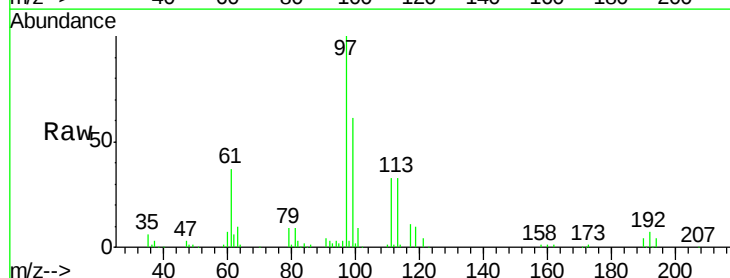
Manual Integrations
APPROVED

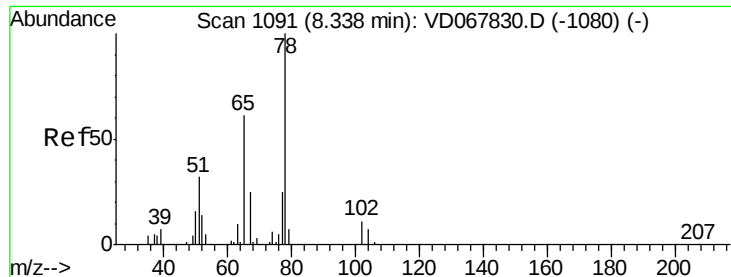
MMDadoda
12/10/2020 10:19:31 AM



#32
1,1,1-Trichloroethane
Concen: 51.291 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.2
61	37.9	30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 48.287 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 99040

Ion Ratio Lower Upper

65 100

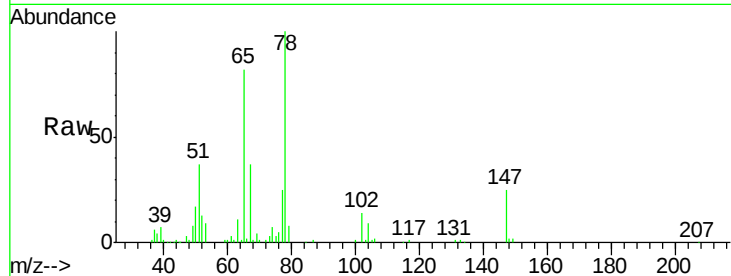
67 48.6 0.0 92.0

Manual Integrations

APPROVED

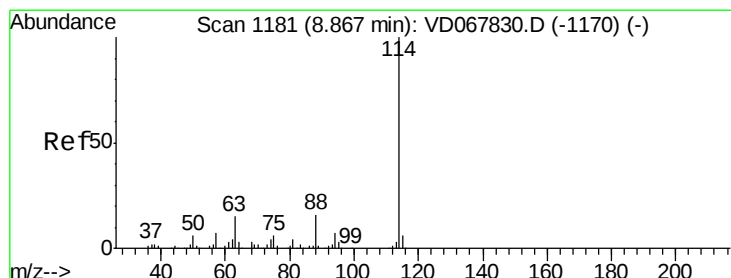
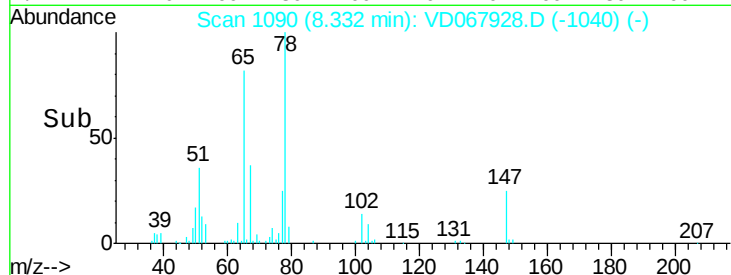
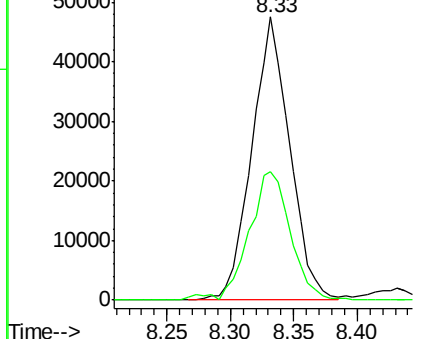
MMDadoda

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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: VD067928.D

Acq: 09 Dec 2020 16:23

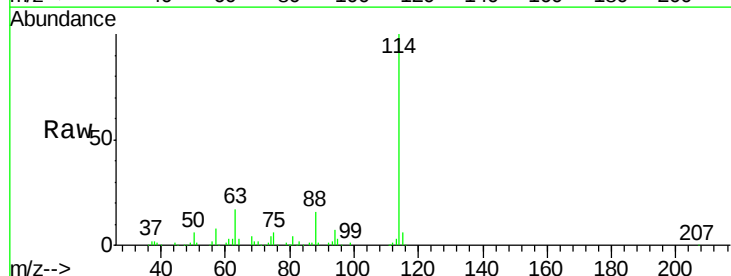
Tgt Ion: 114 Resp: 270257

Ion Ratio Lower Upper

114 100

63 16.5 0.0 30.8

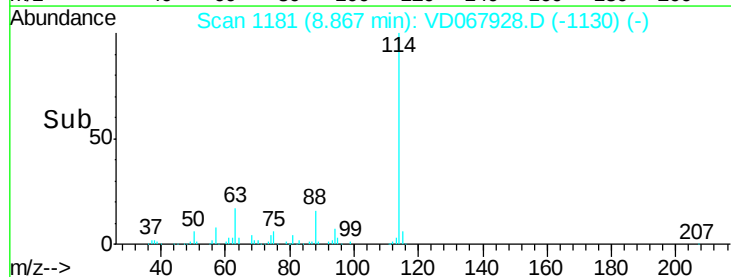
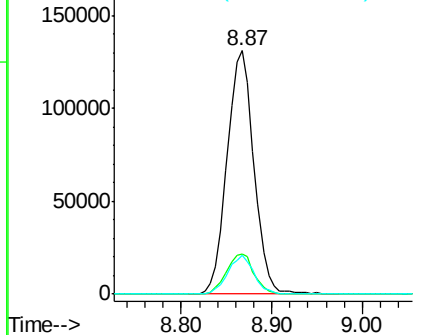
88 16.0 0.0 31.8

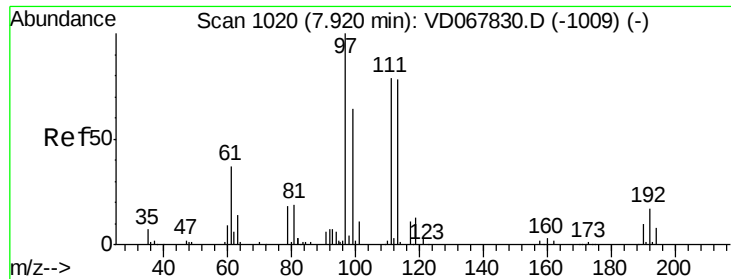


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





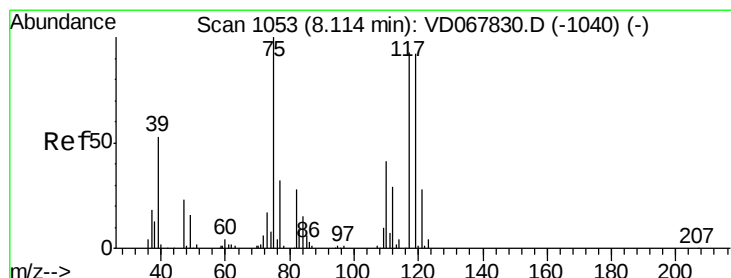
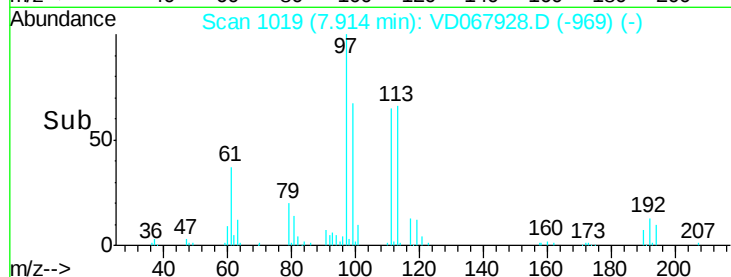
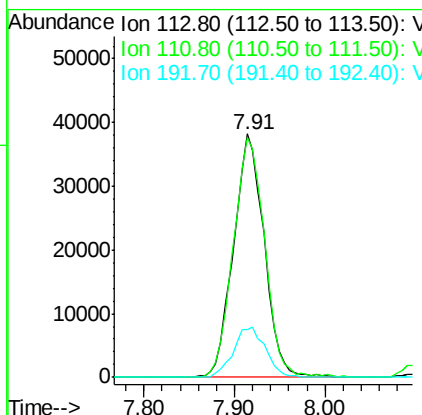
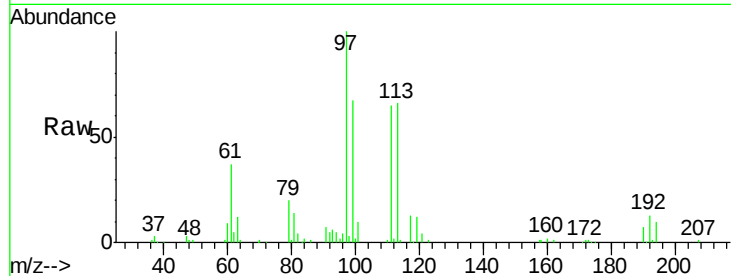
#35
Dibromofluoromethane
Concen: 49.727 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89926		
111	101.1	81.2	121.8	
192	21.5	16.8	25.2	

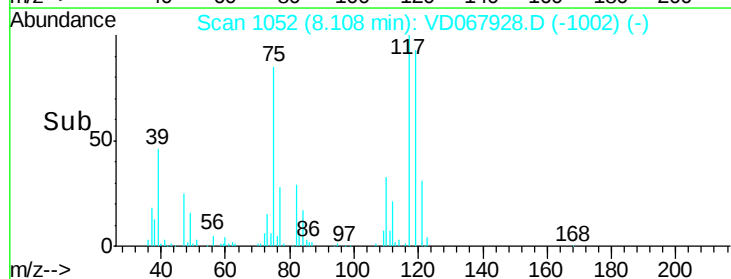
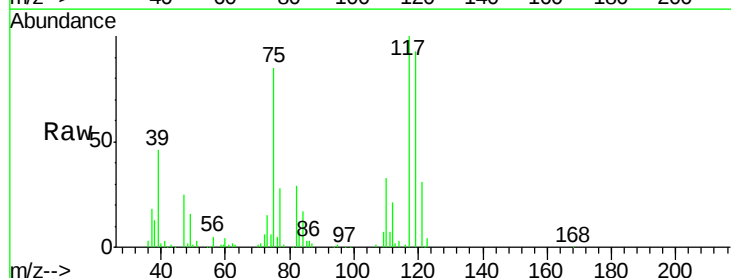
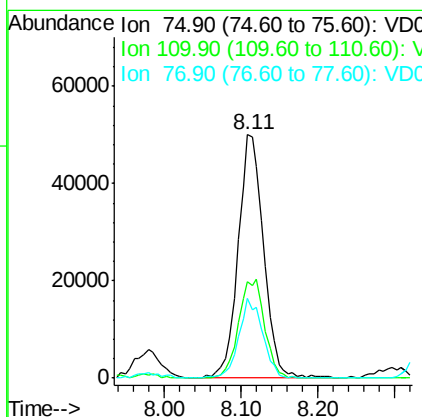
Manual Integrations
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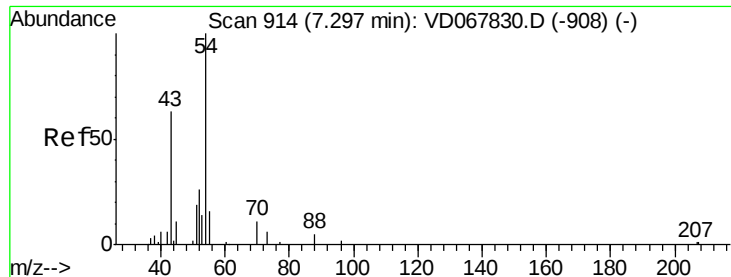
MMDadoda
12/10/2020 10:19:31 AM



#36
1,1-Dichloropropene
Concen: 49.579 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115996		
110	41.2	20.3	61.0	
77	30.7	24.7	37.1	





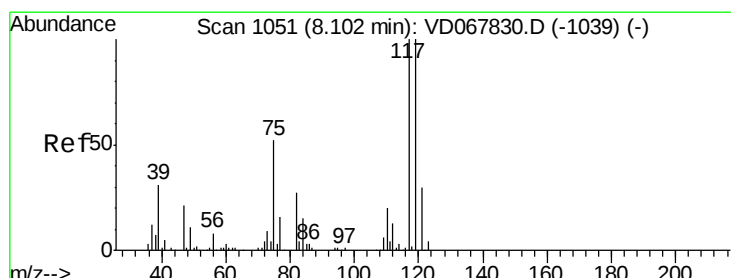
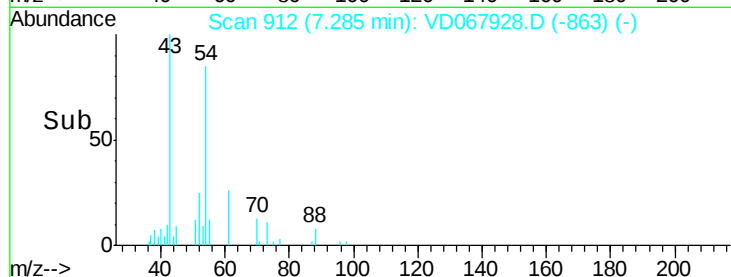
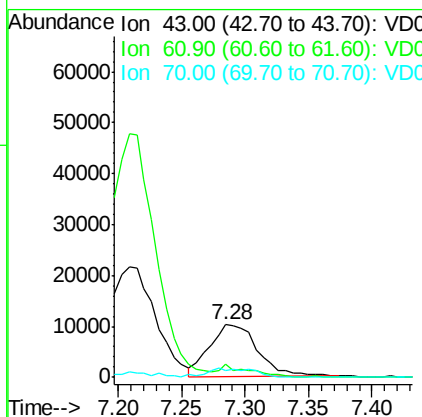
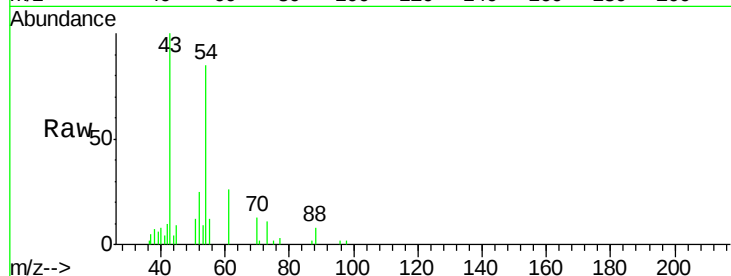
#37
Ethyl Acetate
Concen: 43.027 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.4	17.2
70	16.1	11.5	17.3

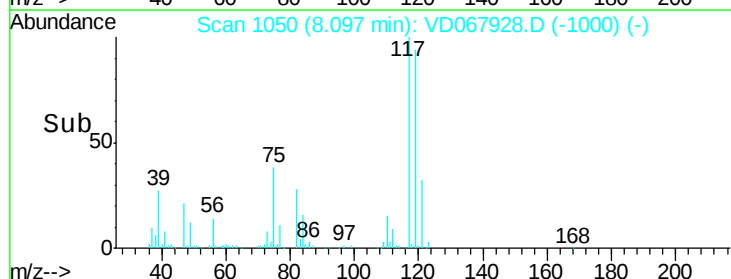
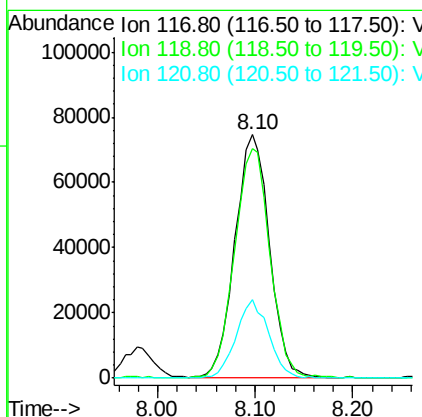
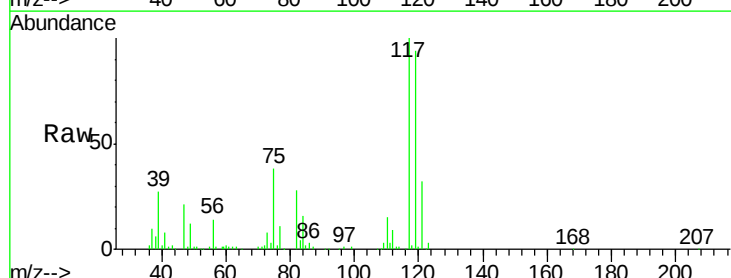
Manual Integrations
APPROVED

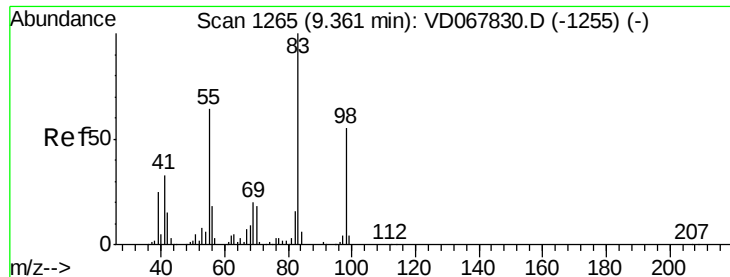
MMDadoda
12/10/2020 10:19:31 AM



#38
Carbon Tetrachloride
Concen: 52.252 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	79.7	119.5
121	32.5	23.8	35.6





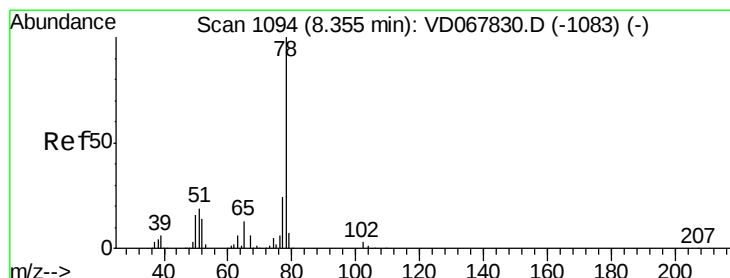
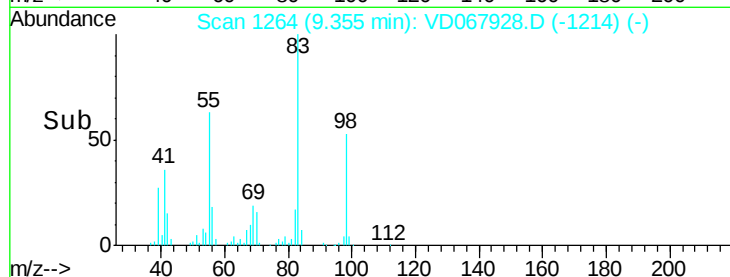
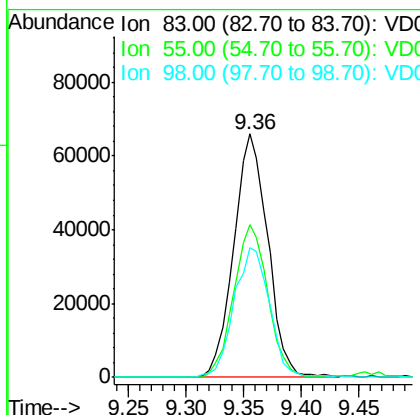
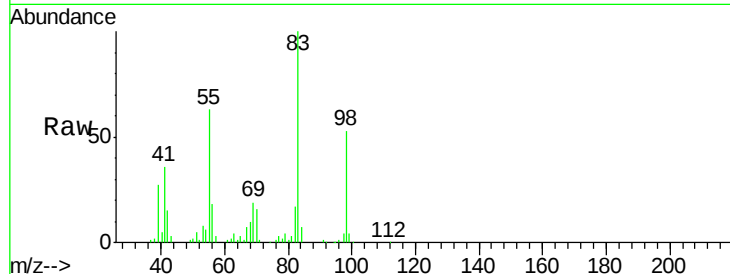
#39
Methvlcvclohexane
Concen: 48.697 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.9	51.6	77.4
98	53.0	44.3	66.5

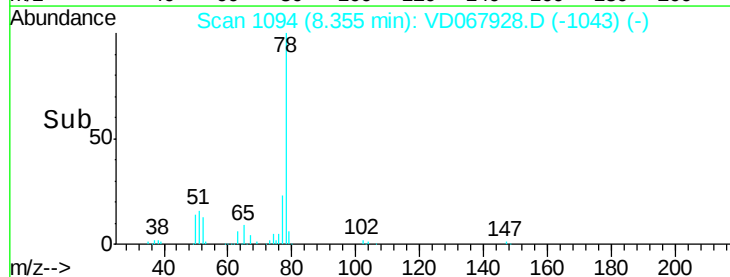
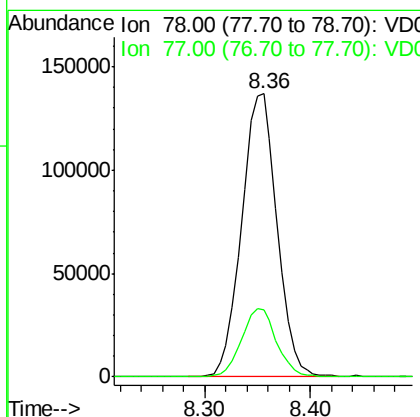
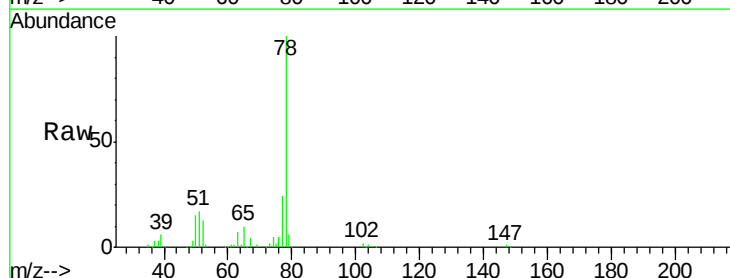
Manual Integrations
APPROVED

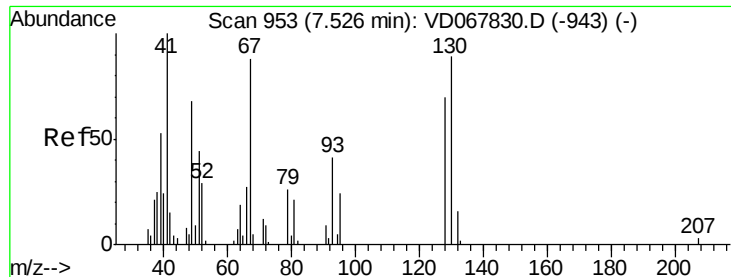
MMDadoda
12/10/2020 10:19:31 AM



#40
Benzene
Concen: 49.824 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





#41

Methacrylonitrile

Concen: 43.020 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 13069

Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 118.7 82.4 123.6

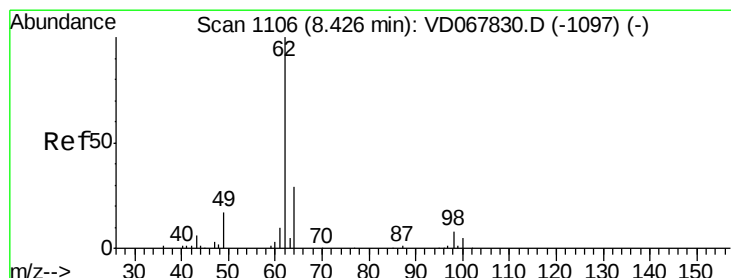
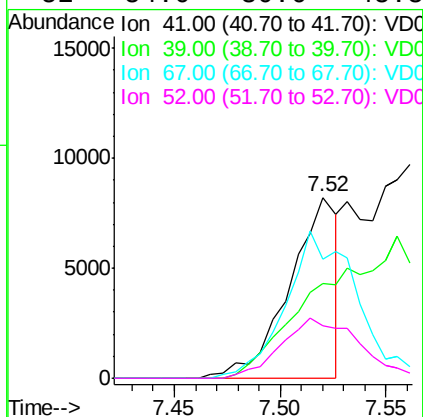
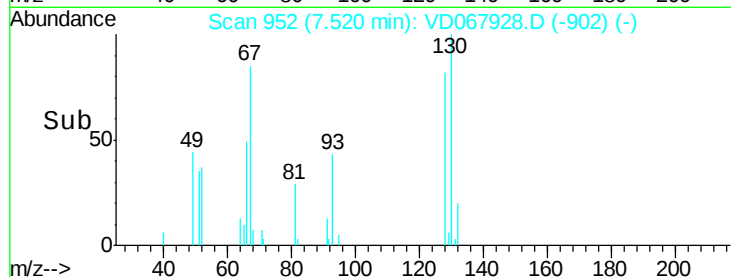
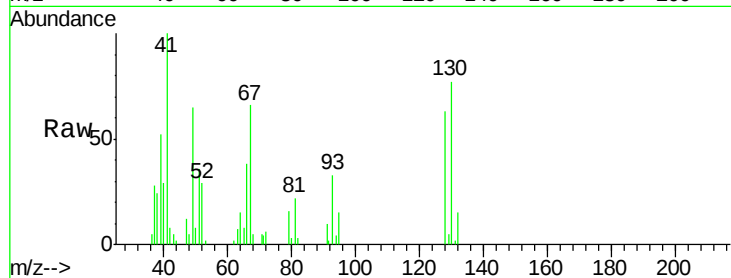
52 54.0 30.6 45.8#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 51.696 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067928.D

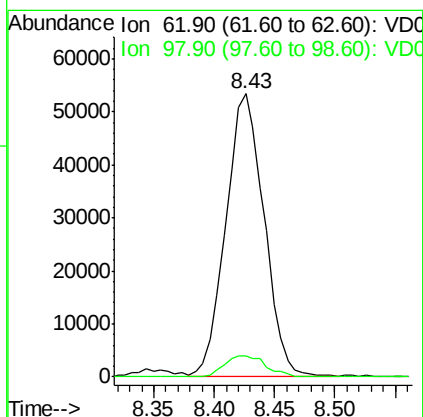
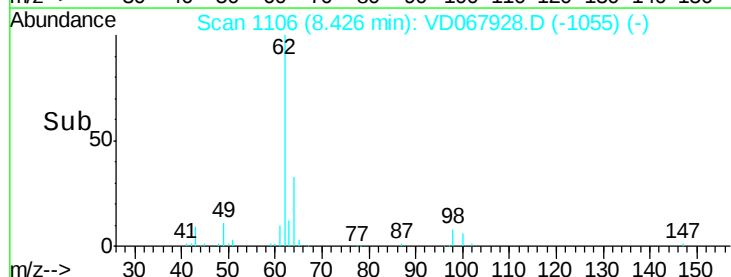
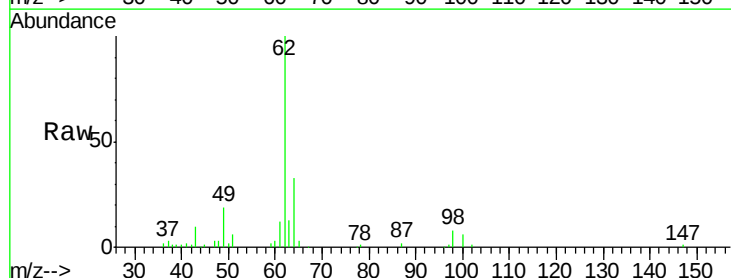
Acq: 09 Dec 2020 16:23

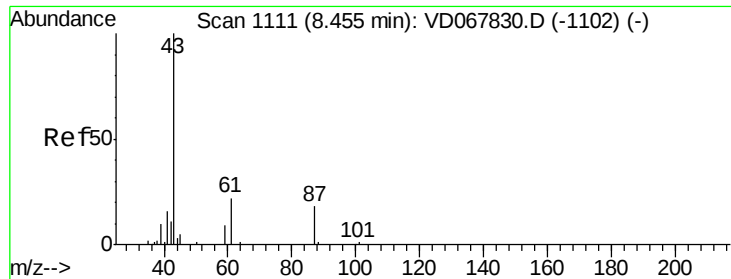
Tgt Ion: 62 Resp: 117951

Ion Ratio Lower Upper

62 100

98 8.0 0.0 17.2





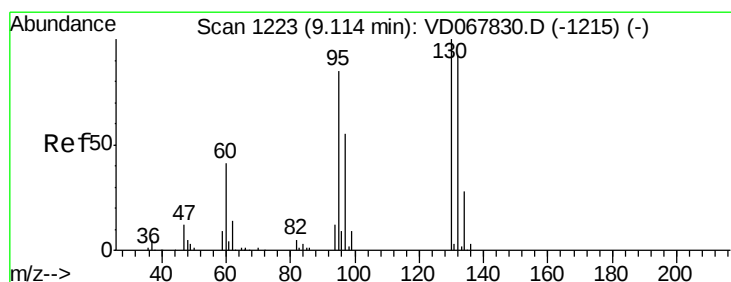
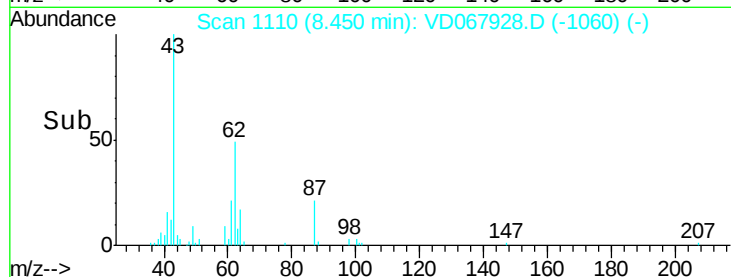
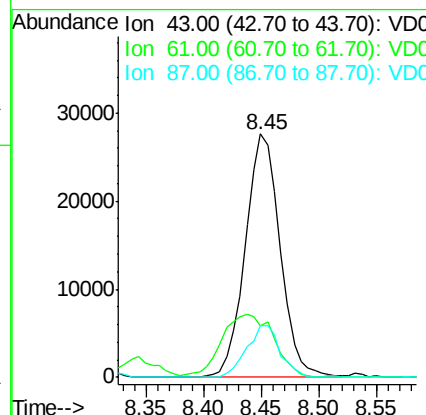
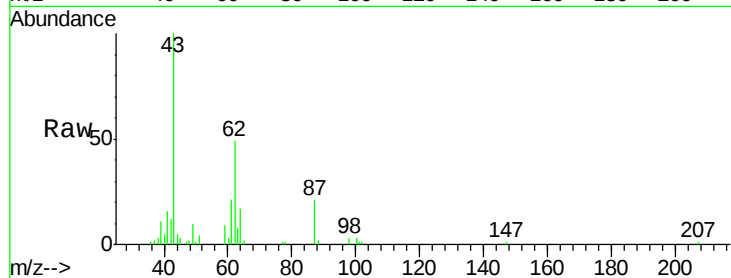
#43
Isopropyl Acetate
Concen: 47.045 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	58368
Ion Ratio	100	Lower	Upper
43	100		
61	38.7	30.4	45.6
87	20.3	16.2	24.2

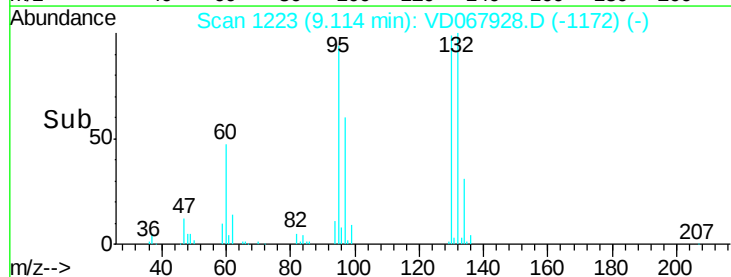
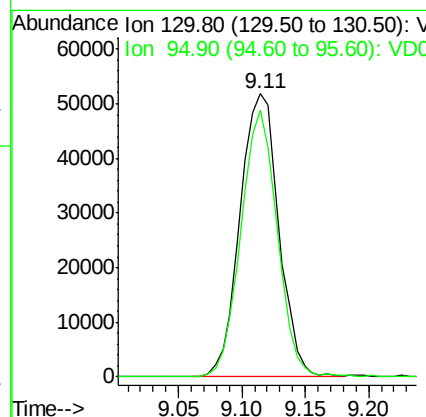
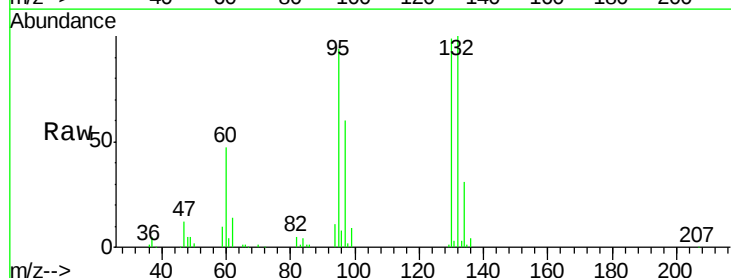
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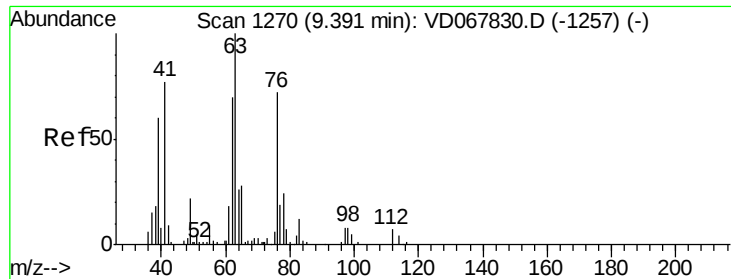
MMDadoda
12/10/2020 10:19:31 AM



#44
Trichloroethene
Concen: 49.994 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	130	Resp	110038
Ion Ratio	100	Lower	Upper
130	100		
95	94.2	0.0	170.2





#45

1,2-Dichloropropane

Concen: 46.457 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 61041

Ion Ratio Lower Upper

63 100

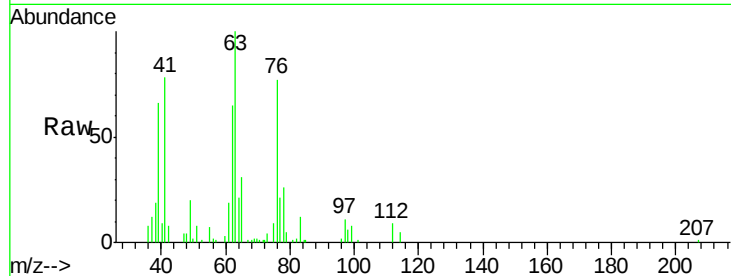
65 30.9 22.8 34.2

Manual Integrations

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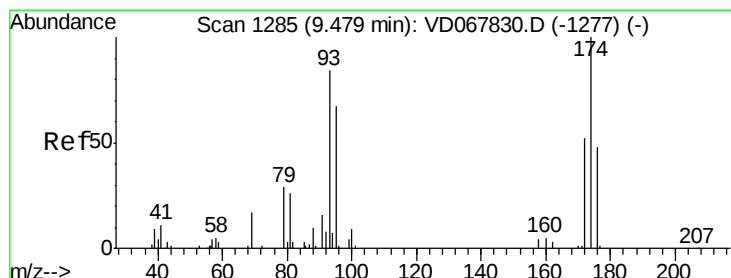
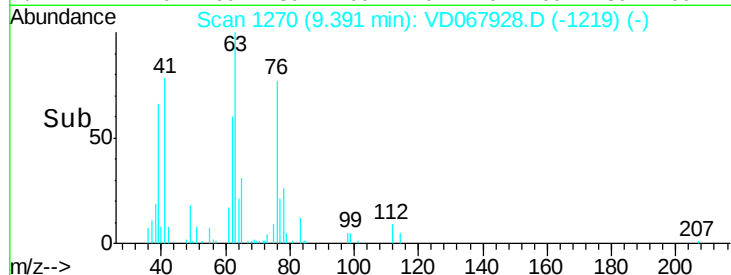
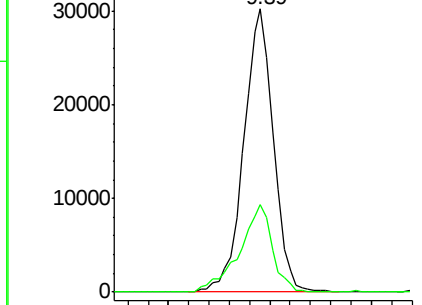
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.364 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

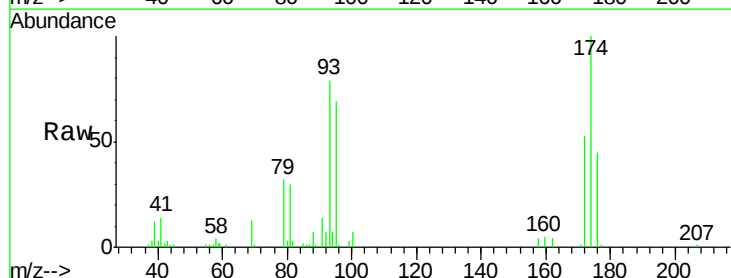
Tgt Ion: 93 Resp: 43269

Ion Ratio Lower Upper

93 100

95 87.6 64.2 96.4

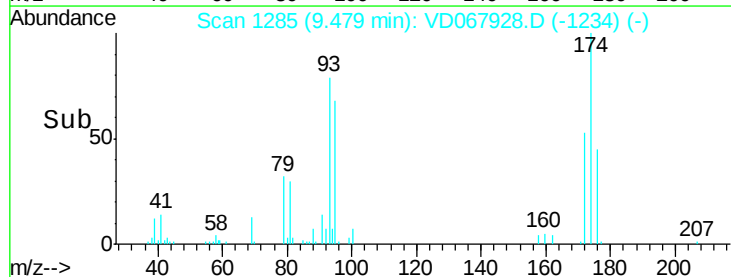
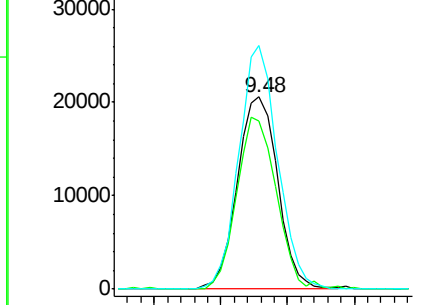
174 121.0 91.5 137.3

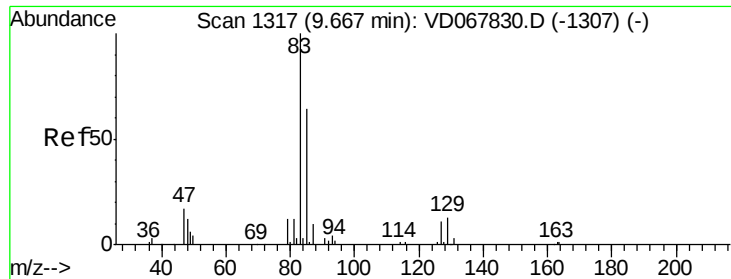


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





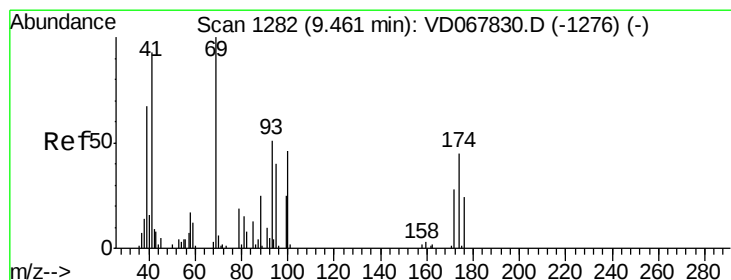
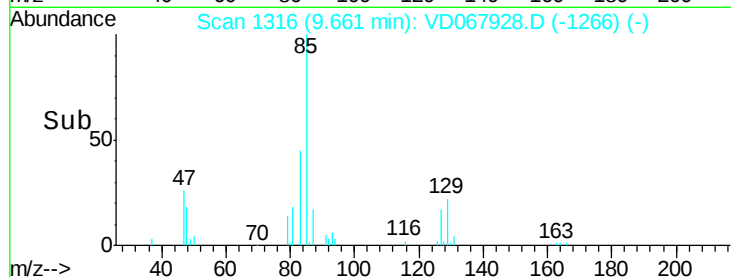
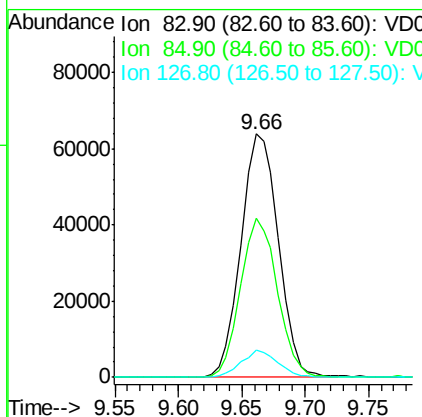
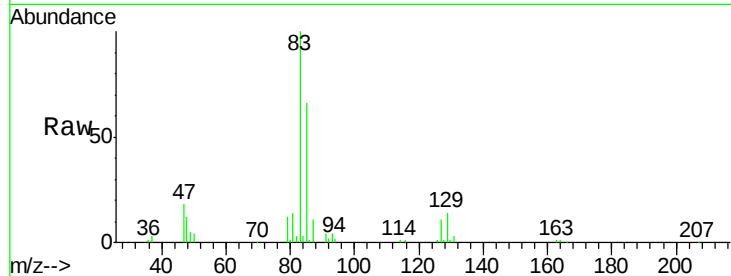
#47
Bromodichloromethane
Concen: 50.418 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	131309		
85	65.5	51.4	77.0	
127	11.4	8.5	12.7	

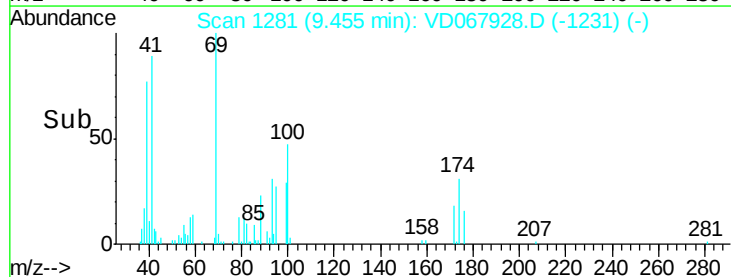
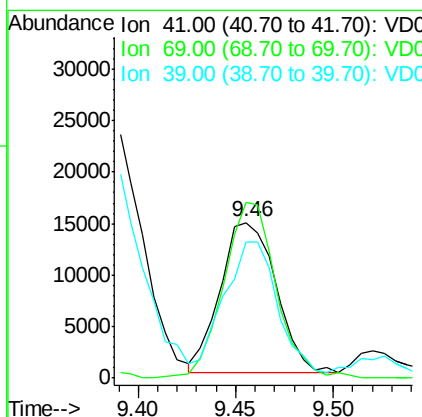
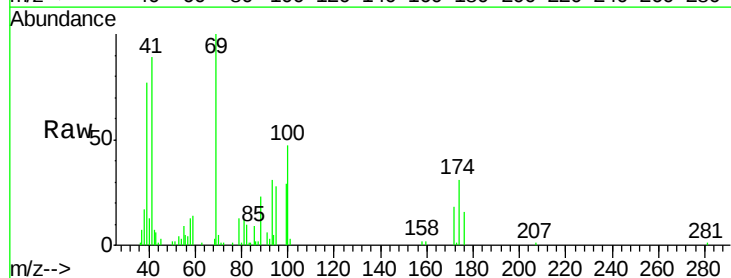
Manual Integrations
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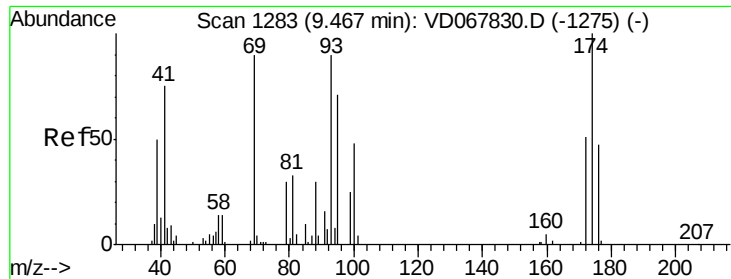
MMDadoda
12/10/2020 10:19:31 AM



#48
Methyl methacrylate
Concen: 45.879 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	28904		
69	110.6	87.6	131.4	
39	89.9	61.2	91.8	





#49

1,4-Dioxane

Concen: 842.638 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

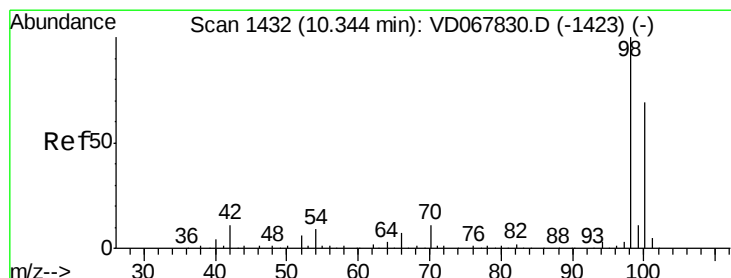
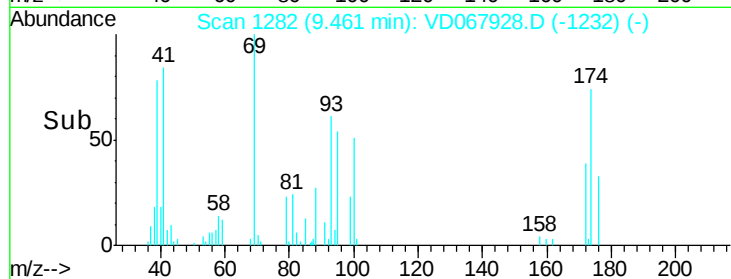
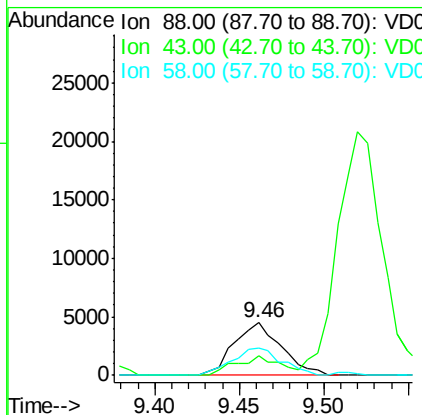
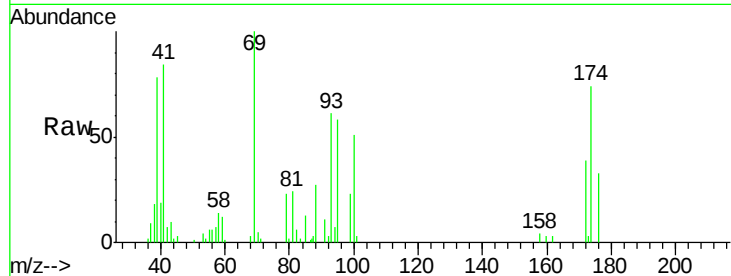
ClientSampleId :

VSTDCCC050EC

Tot Ion	88	Resp	8796
Ion	Ratio	Lower	Upper
88	100		
43	34.4	30.1	45.1
58	54.8	42.4	63.6

Manual Integrations
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#50

Toluene-d8

Concen: 48.870 ug/l

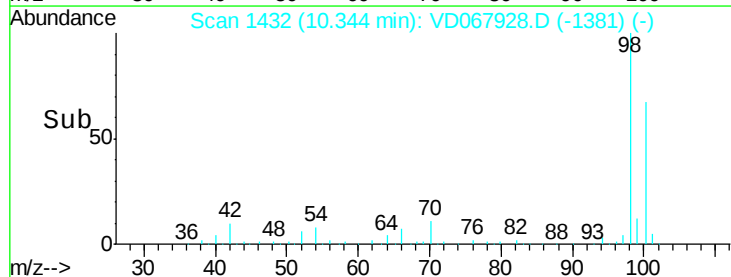
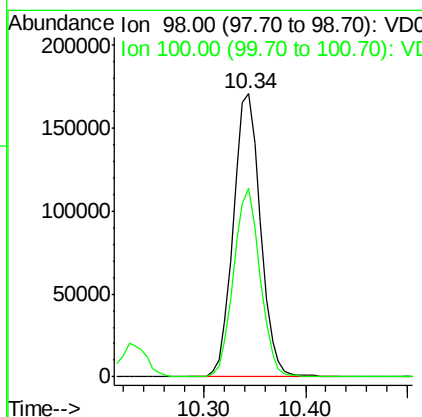
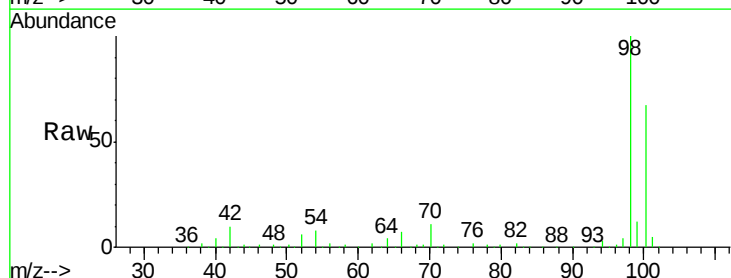
RT: 10.34 min Scan# 1432

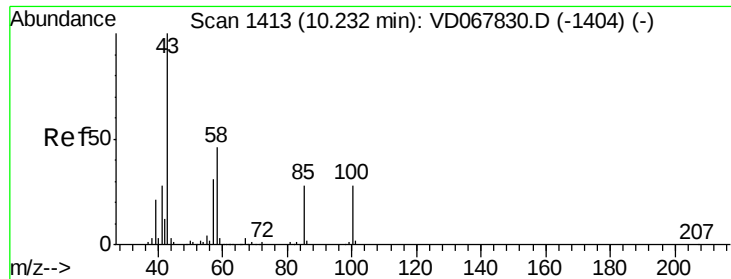
Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Tgt Ion	98	Resp	318141
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 225.385 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 132347

Ion Ratio Lower Upper

43 100

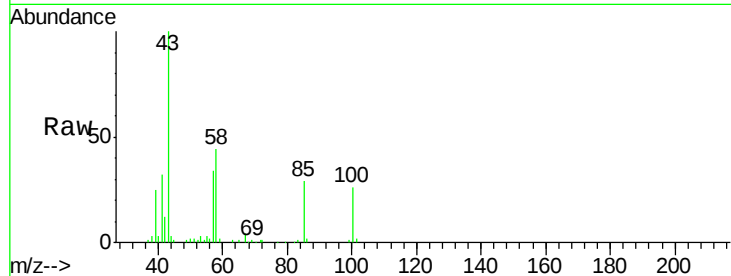
58 43.2 35.7 53.5

Manual Integrations

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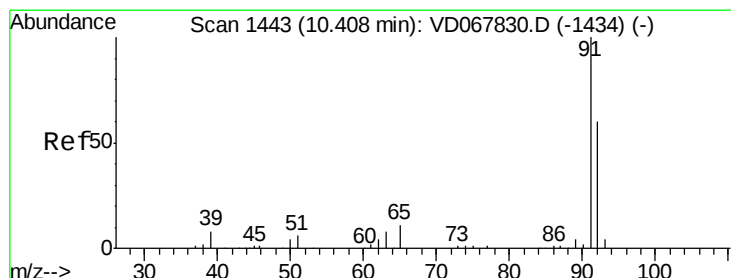
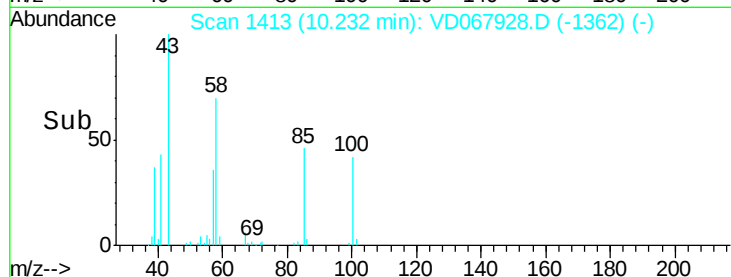
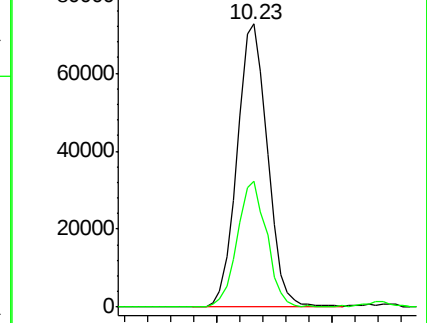
MMDadoda

12/10/2020 10:19:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 48.975 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067928.D

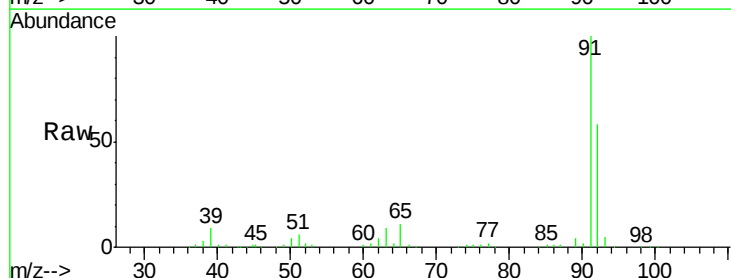
Acq: 09 Dec 2020 16:23

Tgt Ion: 92 Resp: 219202

Ion Ratio Lower Upper

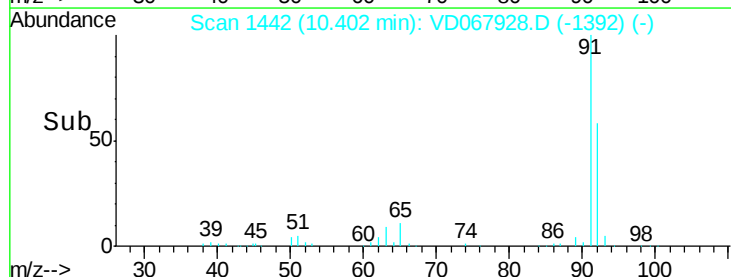
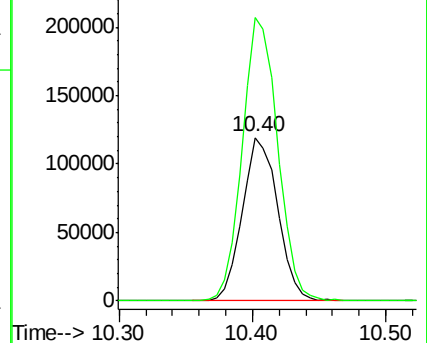
92 100

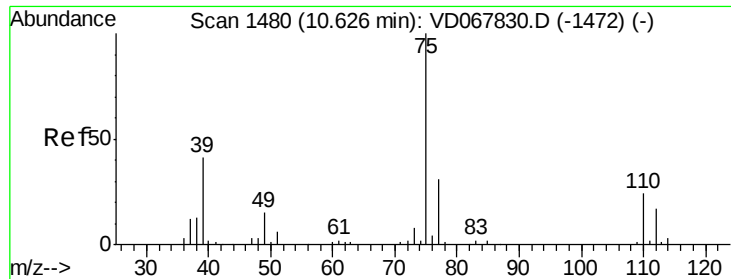
91 173.2 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





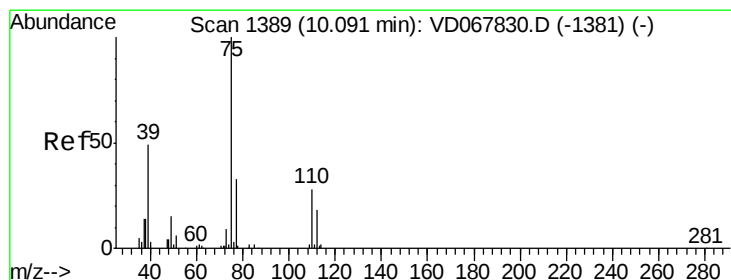
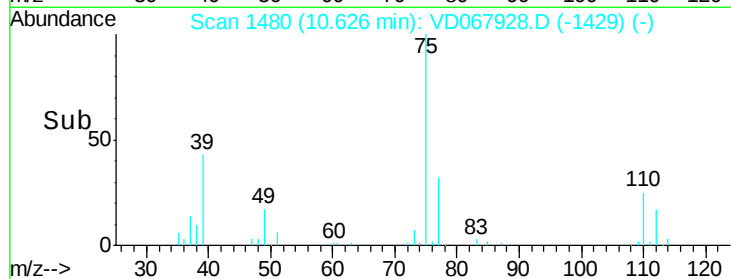
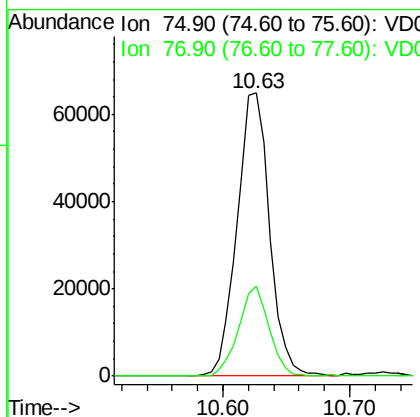
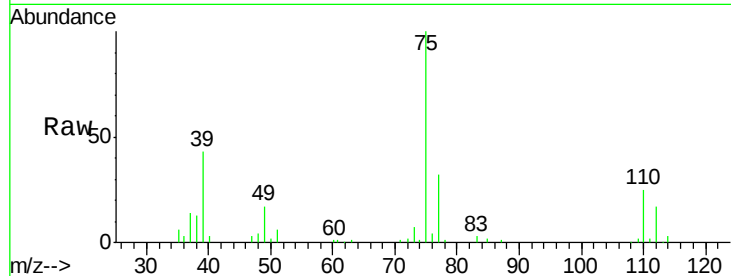
#53
t-1,3-Dichloropropene
Concen: 51.327 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4

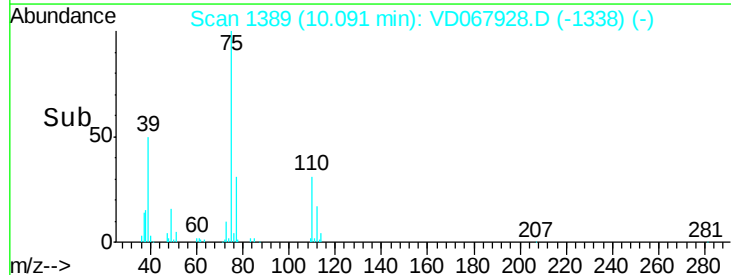
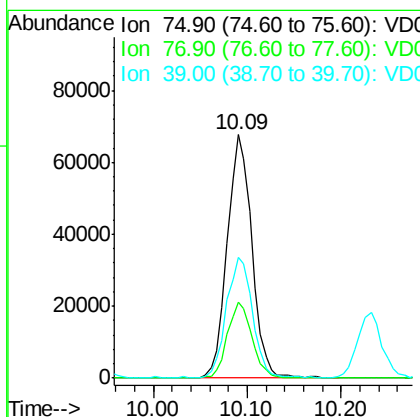
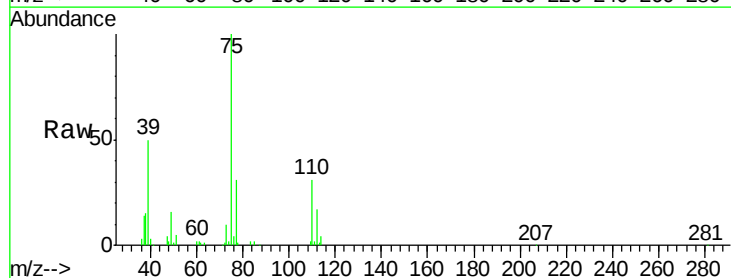
Manual Integrations
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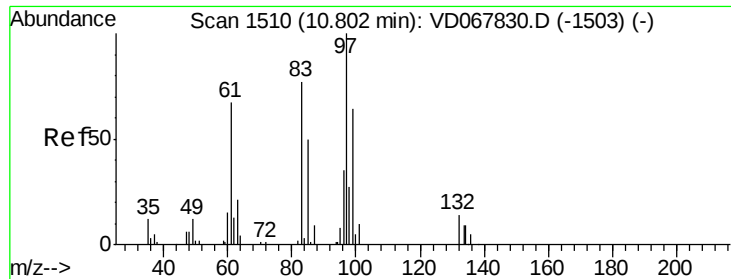
MMDadoda
12/10/2020 10:19:31 AM



#54
cis-1,3-Dichloropropene
Concen: 50.433 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.2	39.2
39	49.8	39.0	58.4





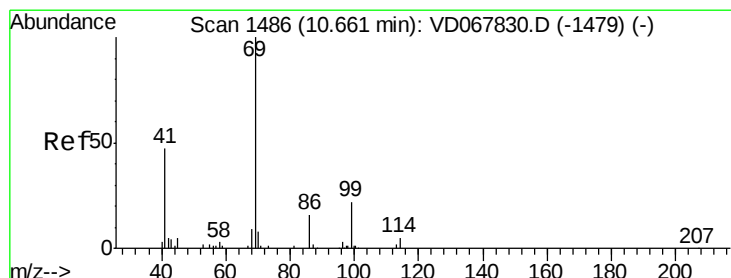
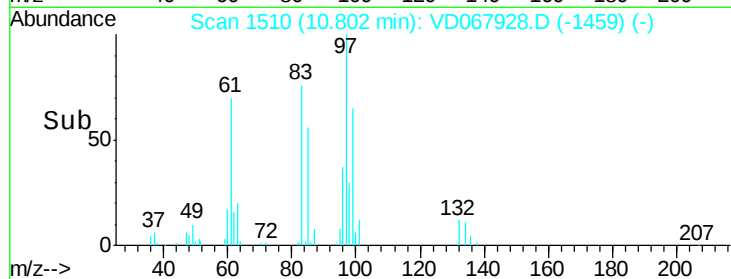
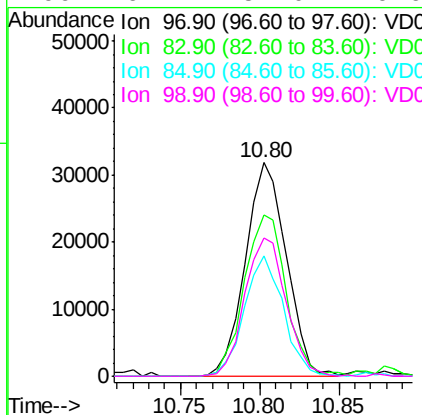
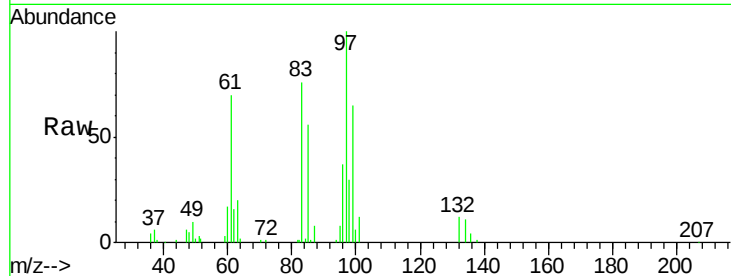
#55
 1,1,2-Trichloroethane
 Concen: 45.746 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	57192
Ion	Ratio	Lower	Upper
97	100		
83	75.6	61.9	92.9
85	56.2	40.2	60.4
99	64.7	51.0	76.6

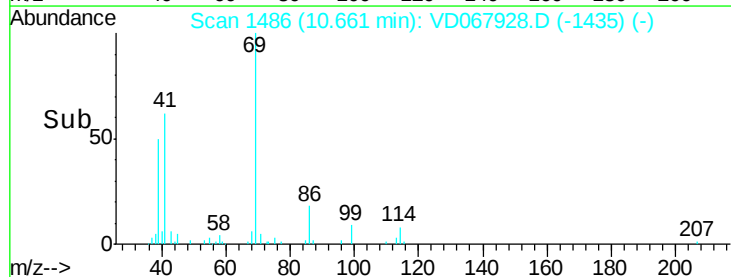
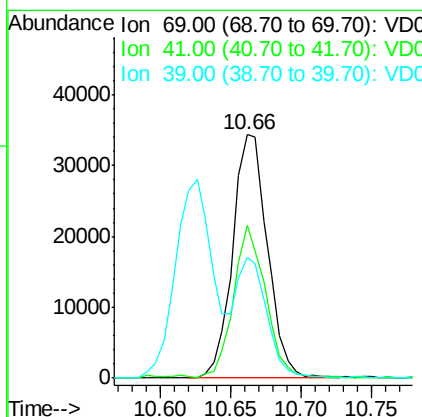
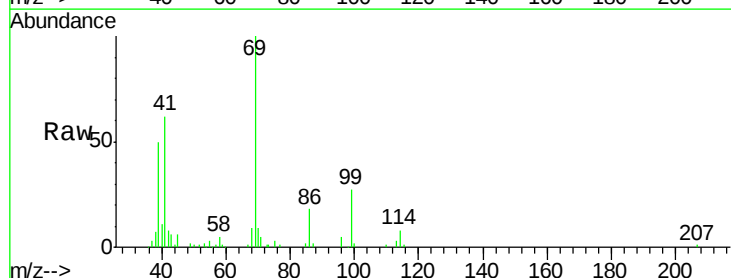
Manual Integrations
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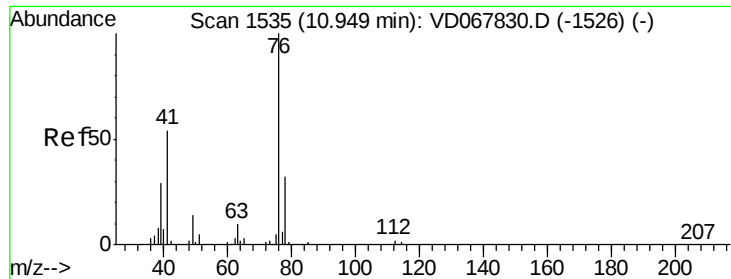
MMDadoda
 12/10/2020 10:19:31 AM



#56
 Ethyl methacrylate
 Concen: 46.475 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion:	69	Resp:	59117
Ion	Ratio	Lower	Upper
69	100		
41	58.2	42.8	64.2
39	47.2	30.5	45.7#





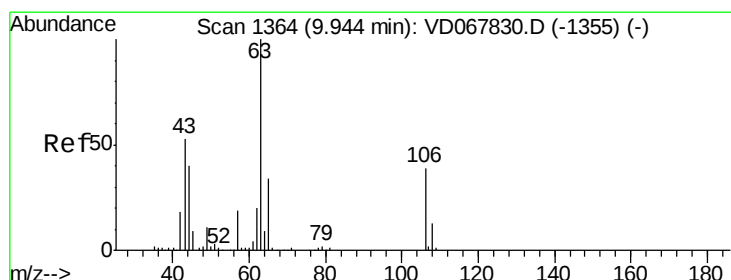
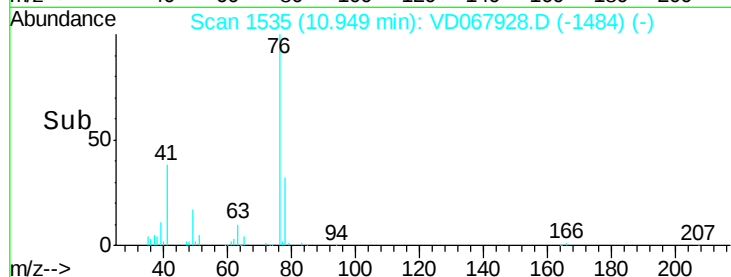
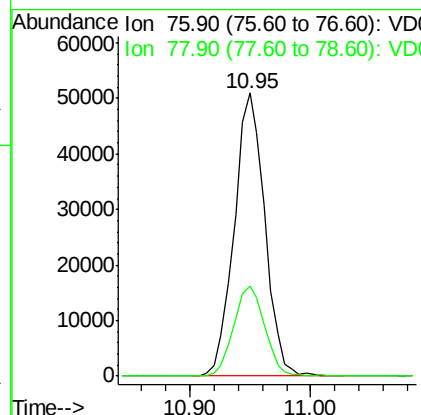
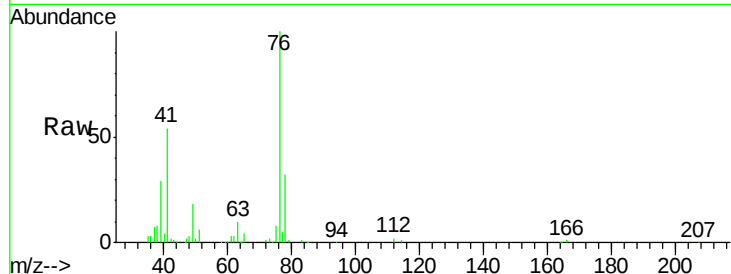
#57
 1,3-Dichloropropane
 Concen: 45.419 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 89947
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.6 39.8

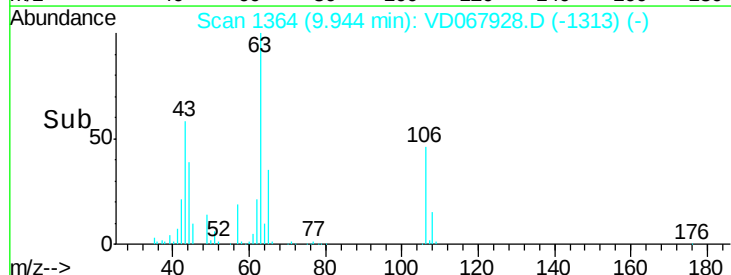
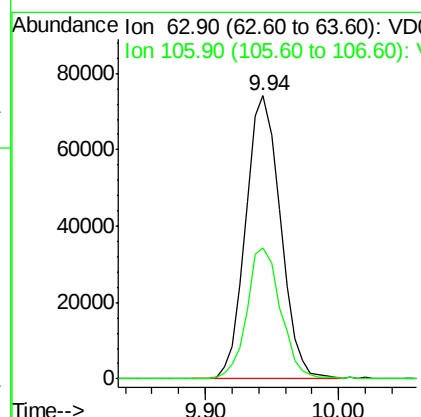
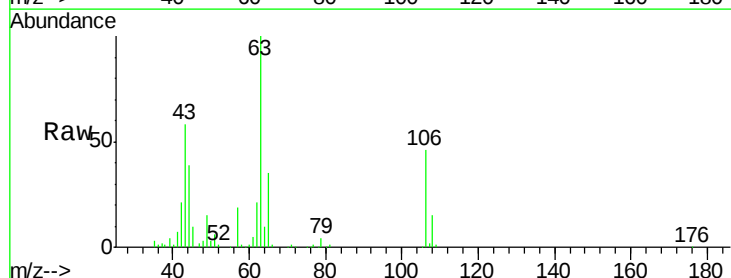
Manual Integrations
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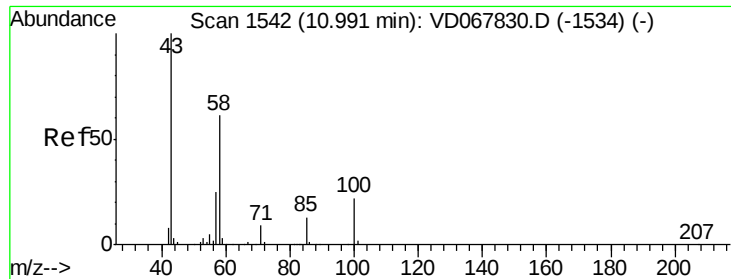
MMDadoda
 12/10/2020 10:19:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.763 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion: 63 Resp: 133568
 Ion Ratio Lower Upper
 63 100
 106 45.0 32.0 48.0





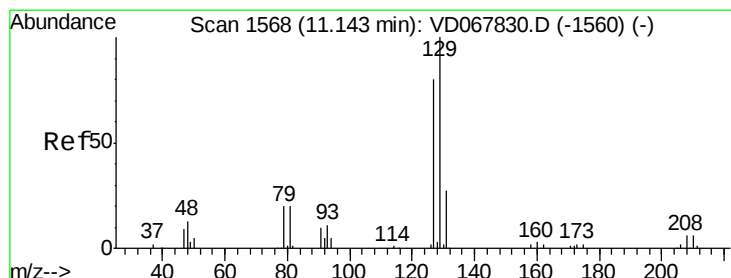
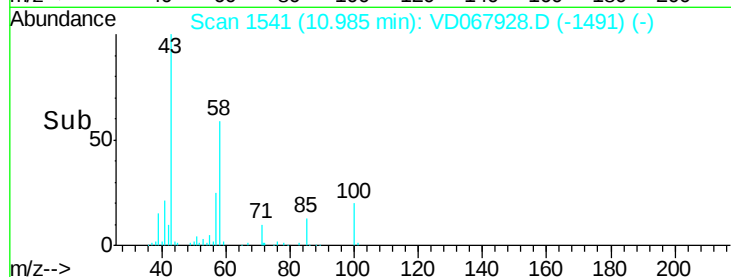
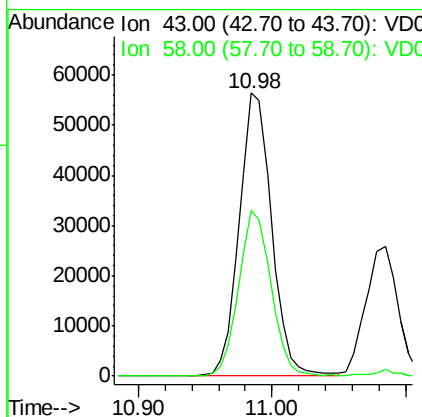
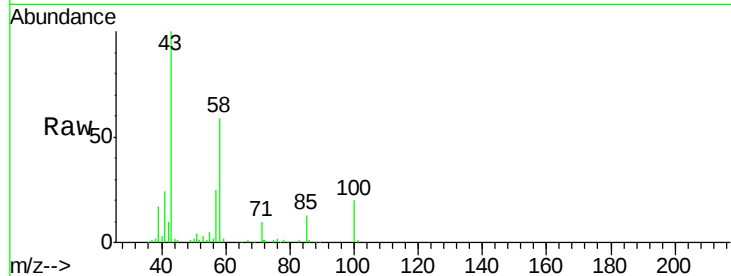
#59
2-Hexanone
Concen: 229.582 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 95035
Ion Ratio Lower Upper
43 100
58 58.5 29.9 89.7

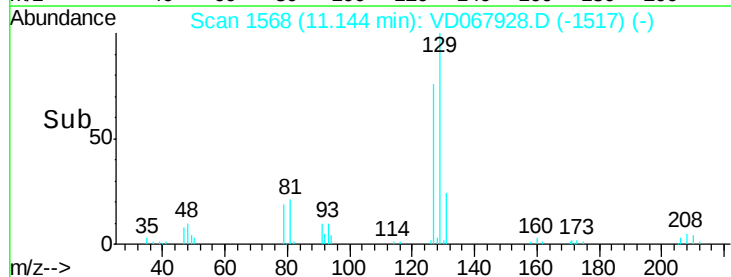
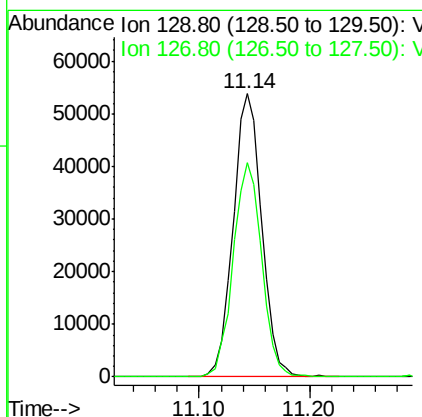
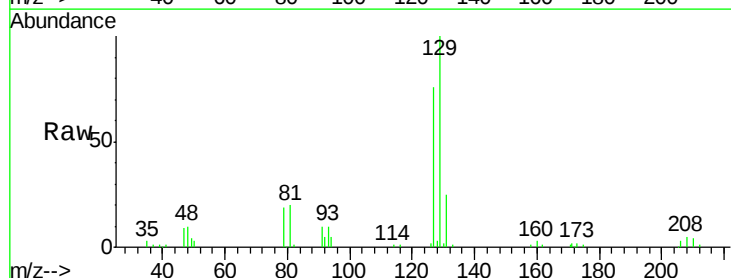
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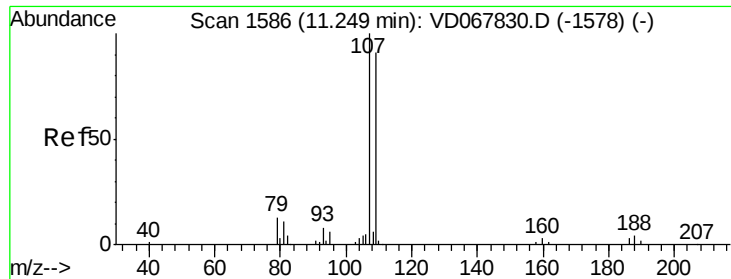
MMDadoda
12/10/2020 10:19:31 AM



#60
Dibromochloromethane
Concen: 51.809 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion: 129 Resp: 97638
Ion Ratio Lower Upper
129 100
127 76.0 39.2 117.6





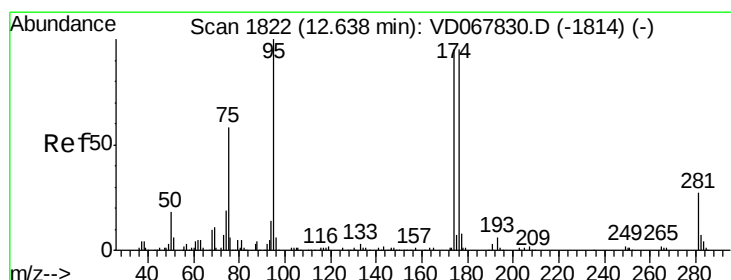
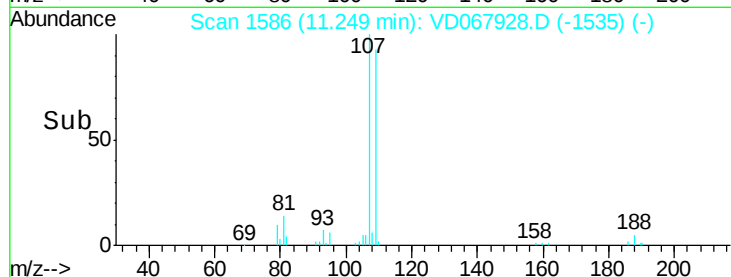
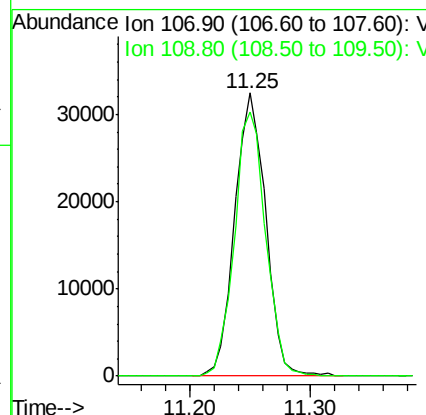
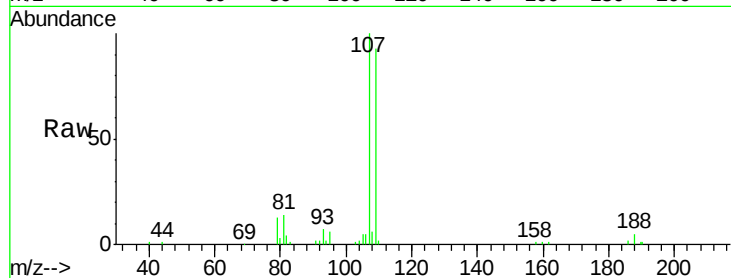
#61
 1,2-Dibromoethane
 Concen: 47.280 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 58127
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.9 113.9

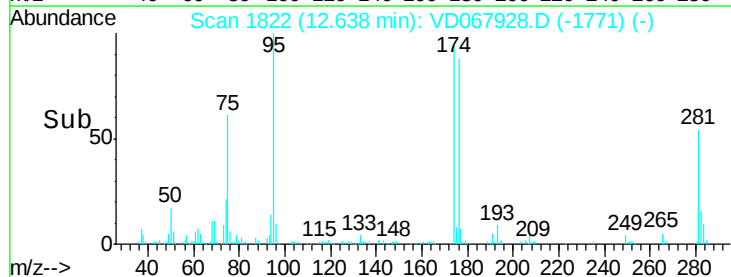
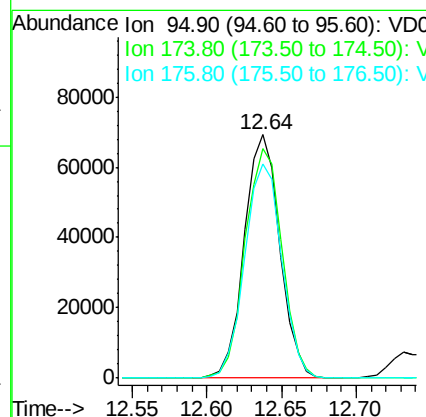
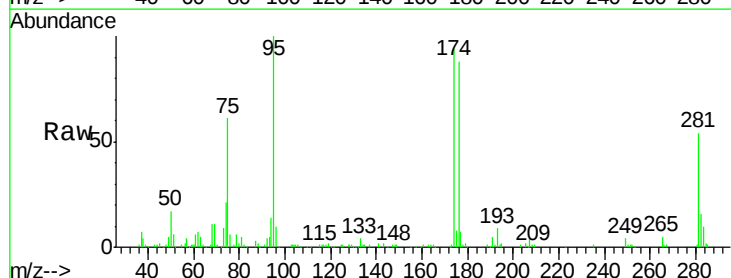
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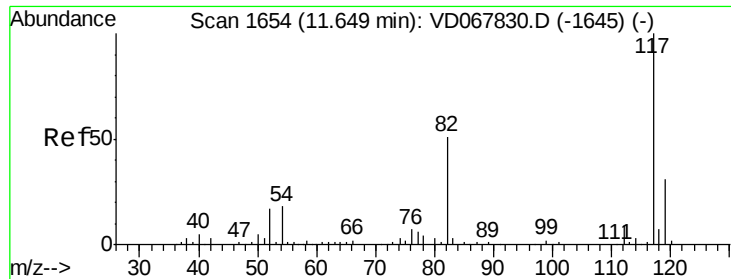
MMDadoda
 12/10/2020 10:19:31 AM



#62
 4-Bromofluorobenzene
 Concen: 50.528 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion: 95 Resp: 113722
 Ion Ratio Lower Upper
 95 100
 174 98.0 0.0 186.0
 176 91.8 0.0 184.2





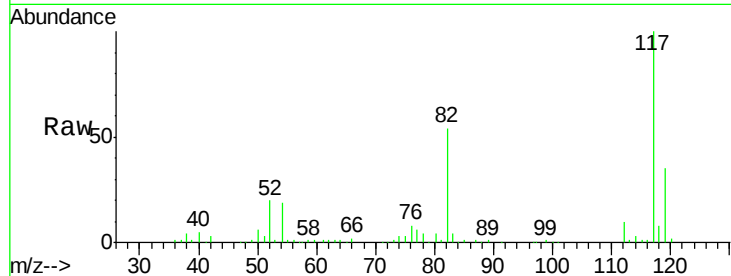
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

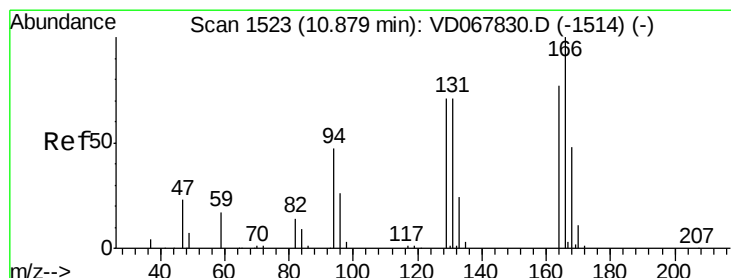
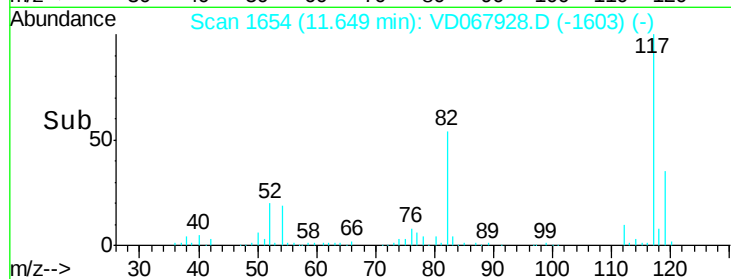
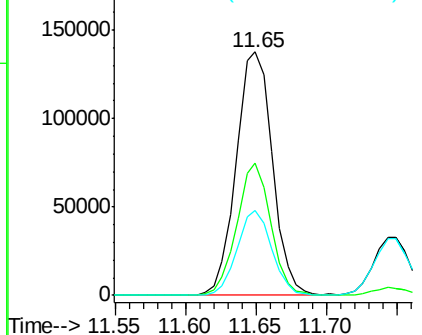
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	40.6	60.8
119	34.6	25.1	37.7

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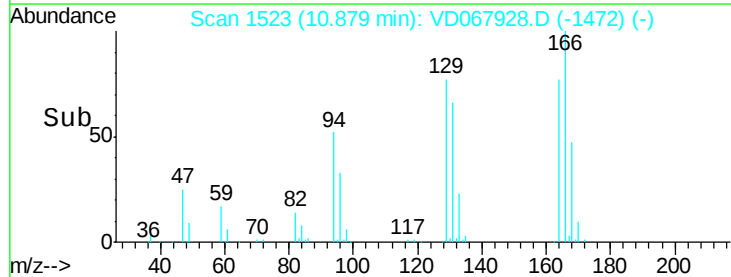
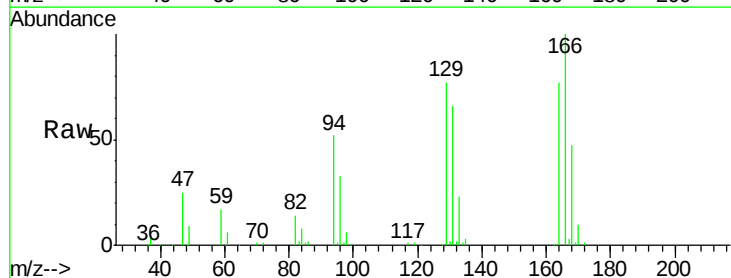
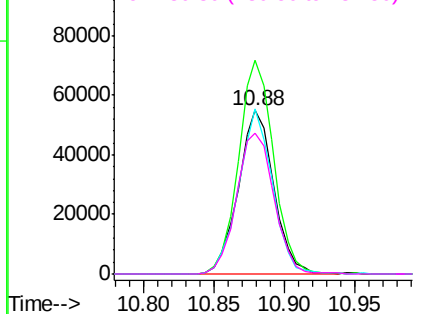
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

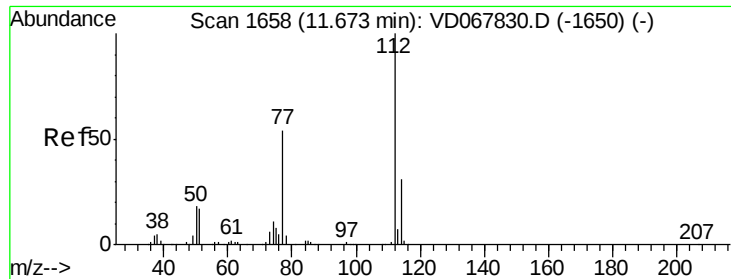


#64
Tetrachloroethene
Concen: 47.720 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	103.8	155.6
129	100.5	73.3	109.9
131	85.8	74.1	111.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





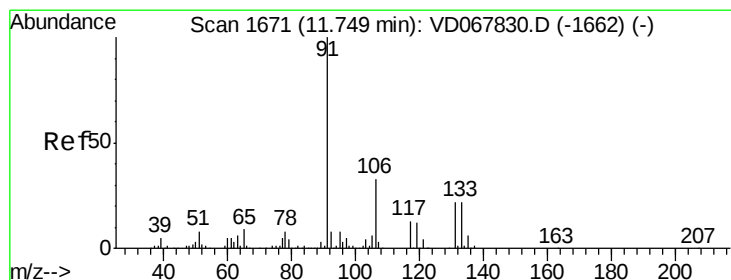
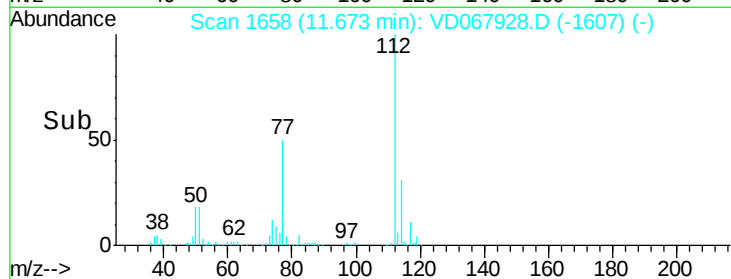
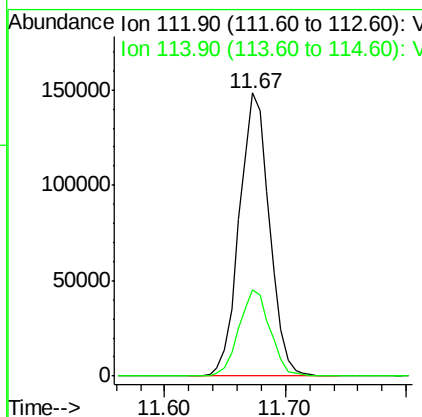
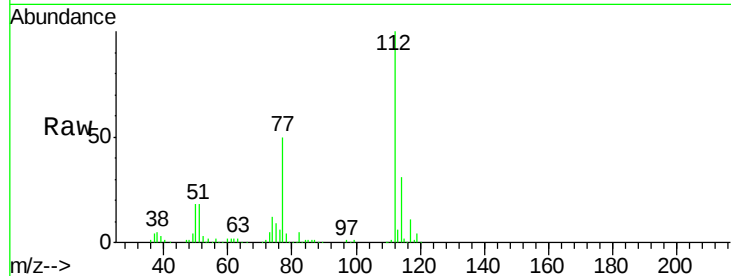
#65
Chlorobenzene
Concen: 50.475 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	258313		
114	30.6	25.0	37.4	

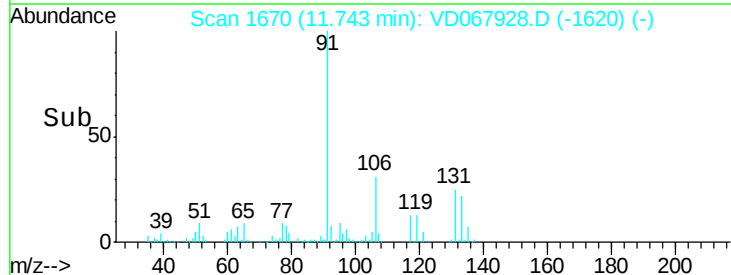
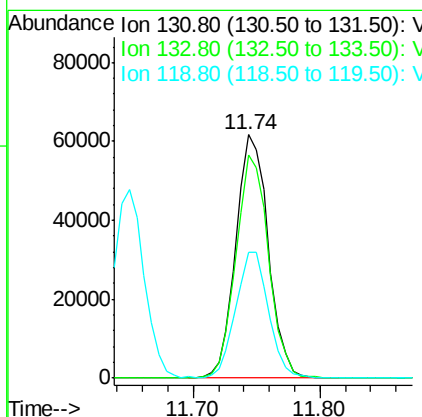
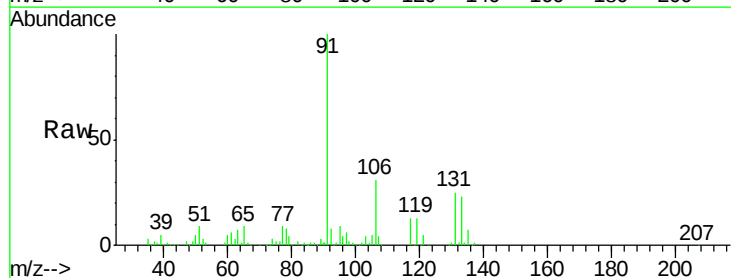
Manual Integrations
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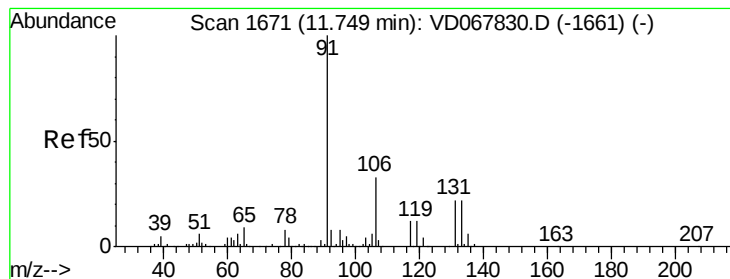
MMDadoda
12/10/2020 10:19:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.507 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	109598		
133	91.8	49.9	149.7	
119	52.5	29.6	88.9	





#67

Ethyl Benzene

Concen: 51.575 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 449631

Ion Ratio Lower Upper

91 100

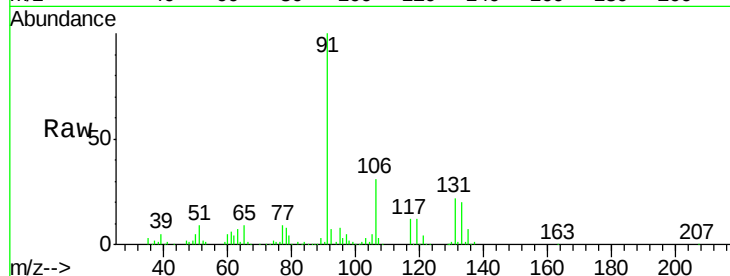
106 31.4 26.2 39.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

400000

300000

200000

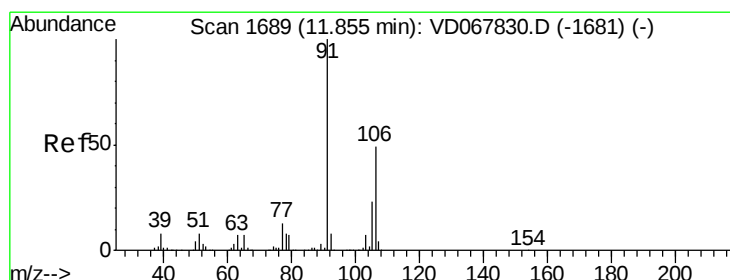
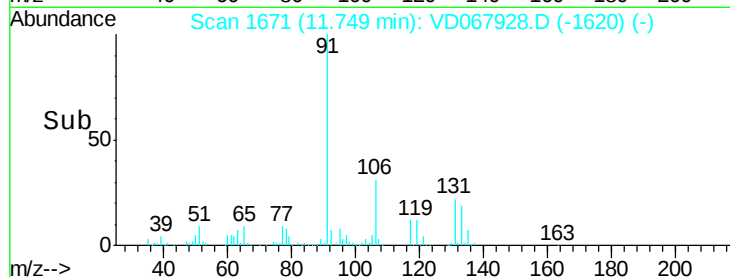
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 101.623 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067928.D

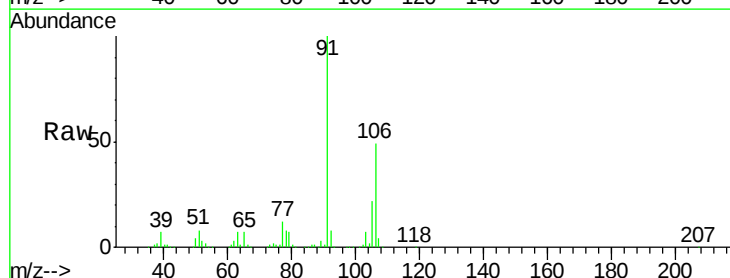
Acq: 09 Dec 2020 16:23

Tgt Ion: 106 Resp: 349335

Ion Ratio Lower Upper

106 100

91 202.4 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

200000

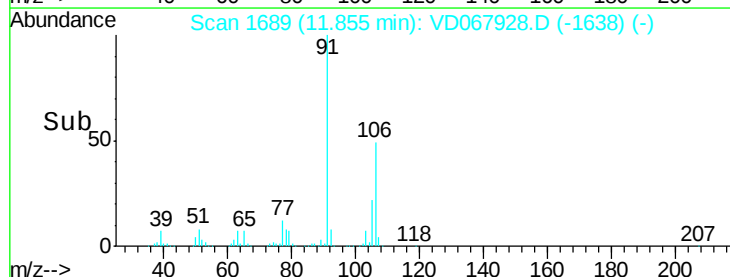
100000

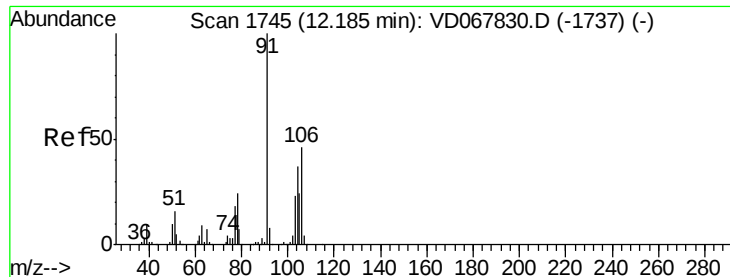
0

11.86

11.90

Time-->





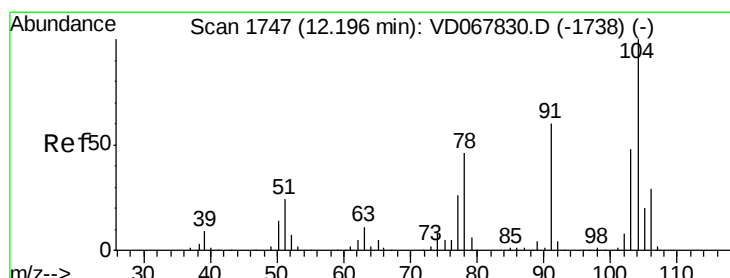
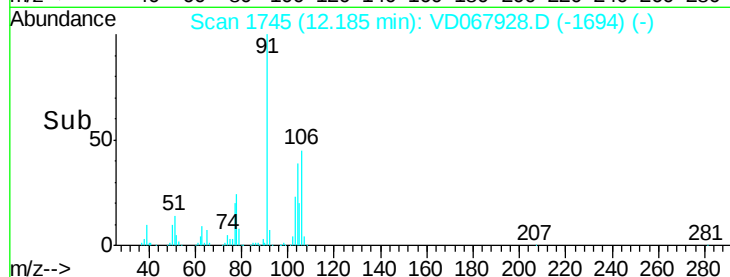
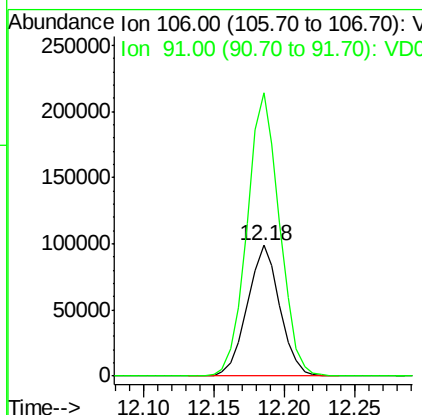
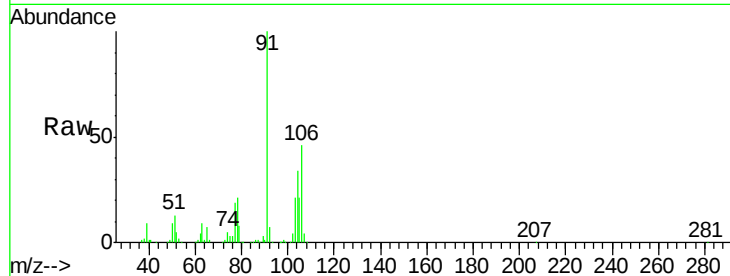
#69
o-Xylene
Concen: 52.351 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.0	107.5	322.5	

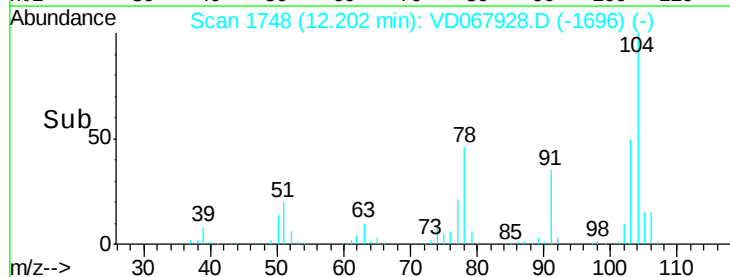
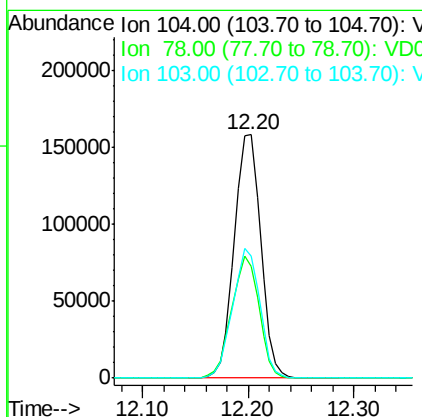
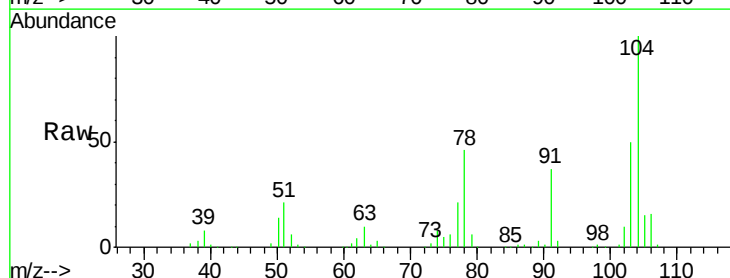
Manual Integrations
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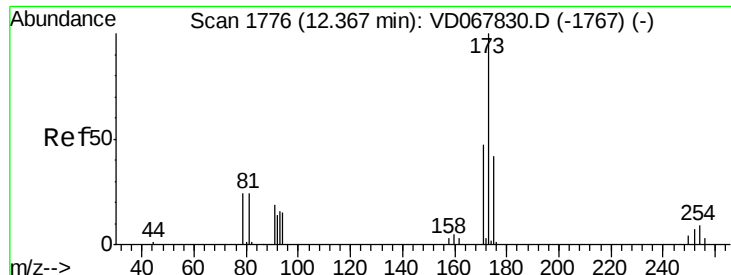
MMDadoda
12/10/2020 10:19:31 AM



#70
Styrene
Concen: 52.022 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.4	41.6	62.4	
103	54.4	43.2	64.8	





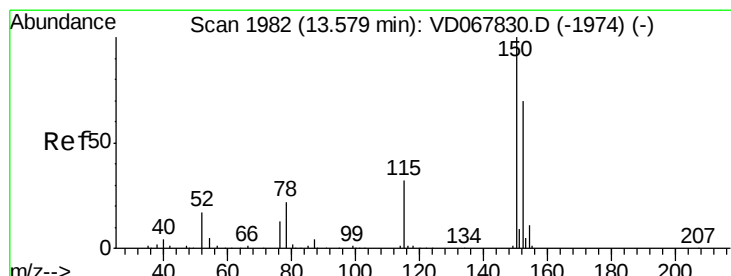
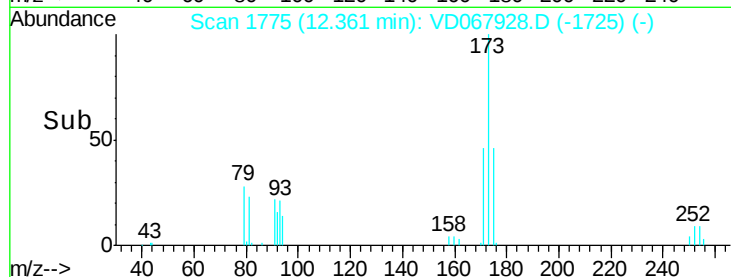
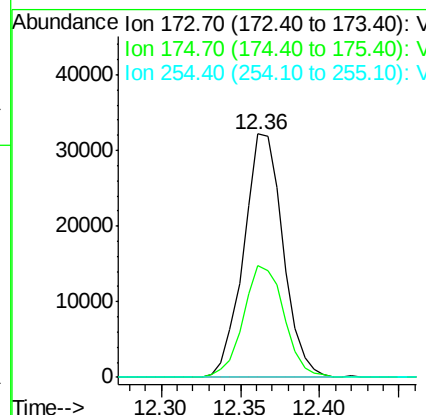
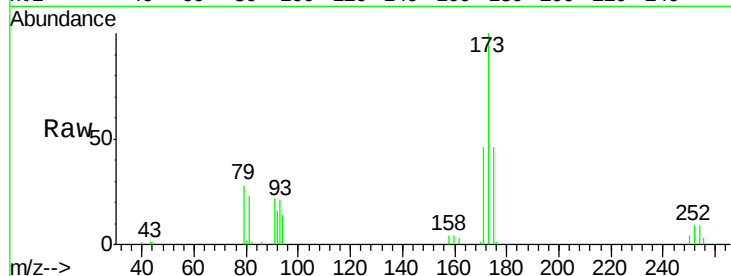
#71
Bromoform
Concen: 50.292 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.4	70.3
254	0.0	0.1	0.1#

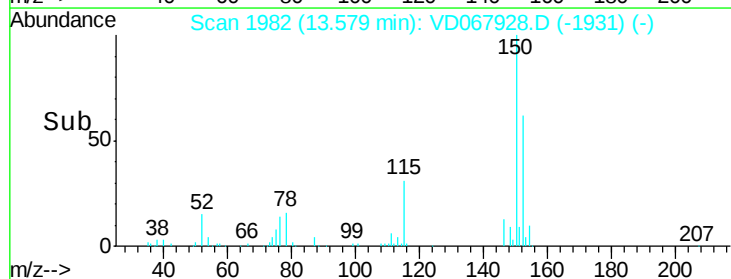
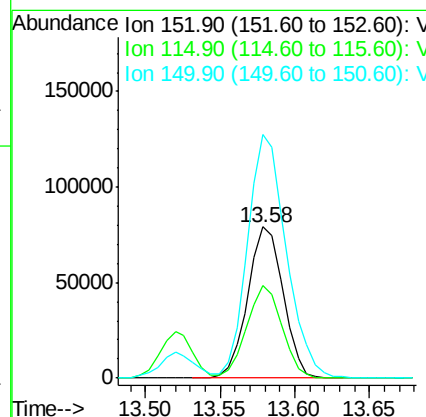
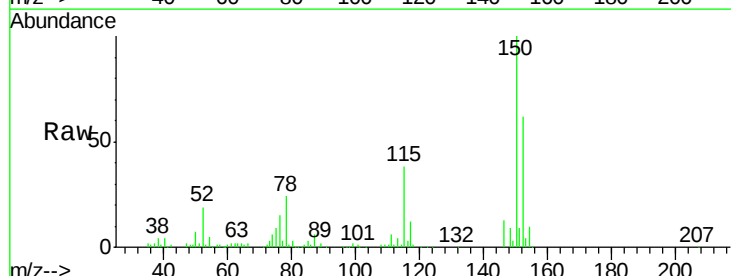
Manual Integrations
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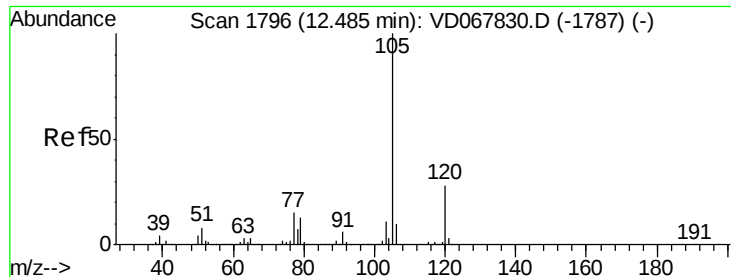
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	29.1	87.4
150	176.4	0.0	339.0





#73

Isopropylbenzene

Concen: 51.090 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 455502

Ion Ratio Lower Upper

105 100

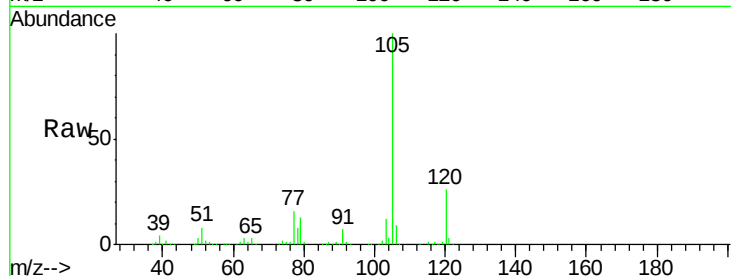
120 27.2 13.9 41.6

Manual Integrations

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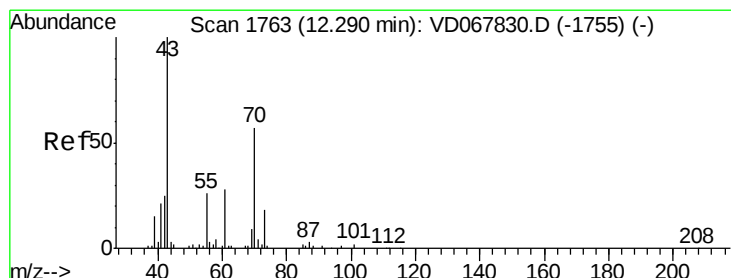
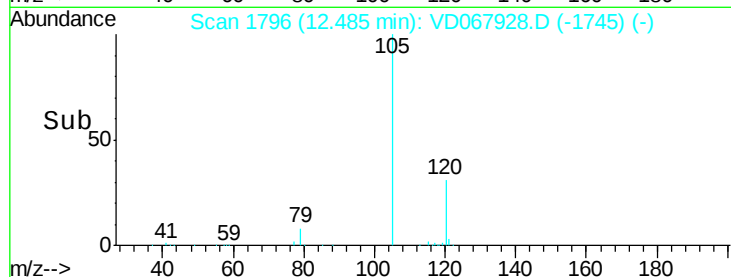
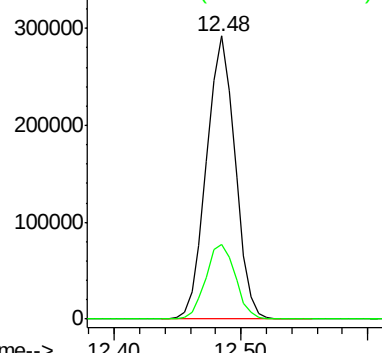
MMDadoda

12/10/2020 10:19:31 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.362 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Tgt Ion: 43 Resp: 48923

Ion Ratio Lower Upper

43 100

70 56.6 44.6 66.8

55 29.8 22.2 33.2

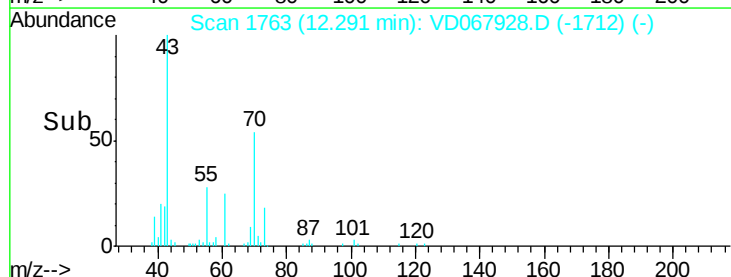
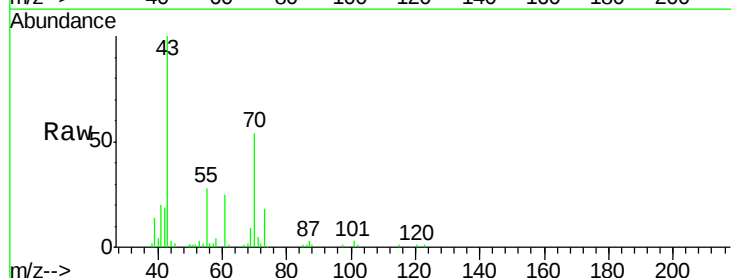
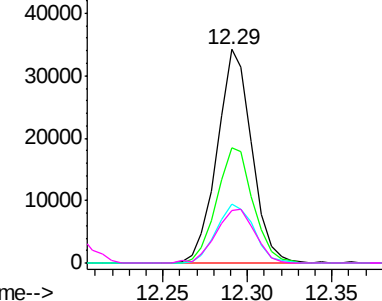
61 28.2 22.7 34.1

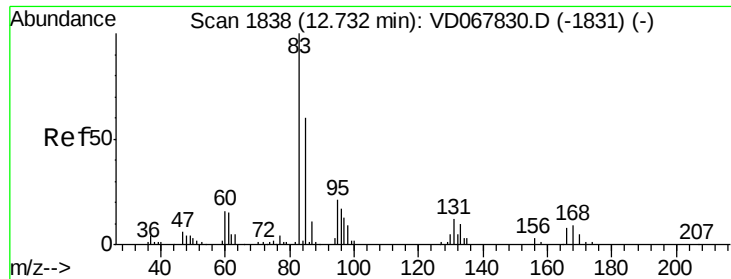
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 43.718 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

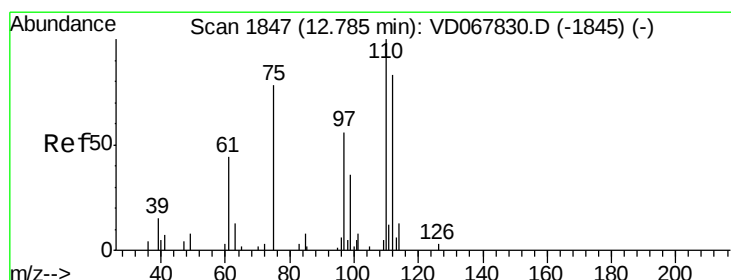
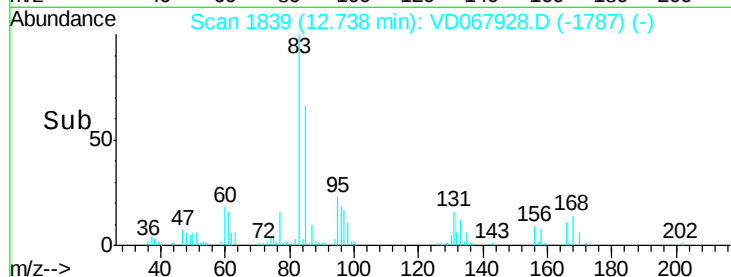
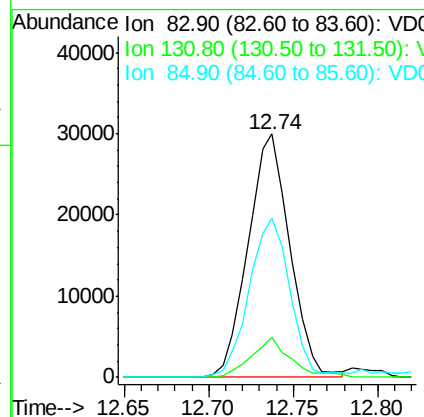
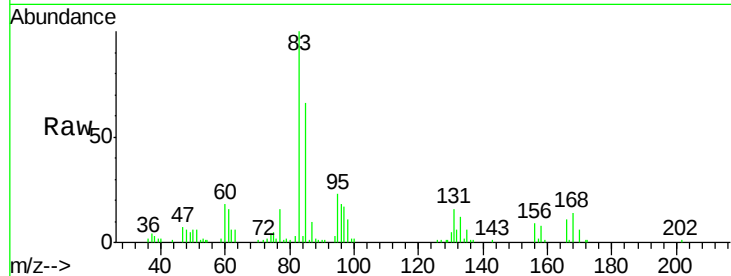
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	51459
Ion Ratio	Lower	Upper	
83	100		
131	15.5	8.0	24.0
85	64.2	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 54.603 ug/l m

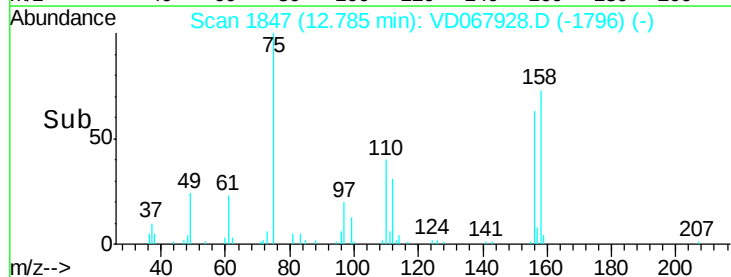
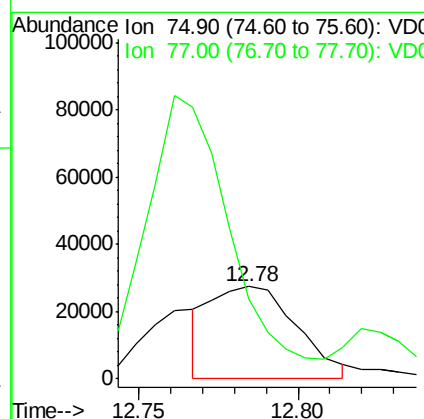
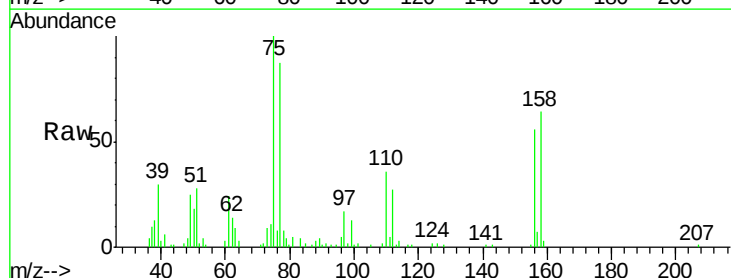
RT: 12.78 min Scan# 1847

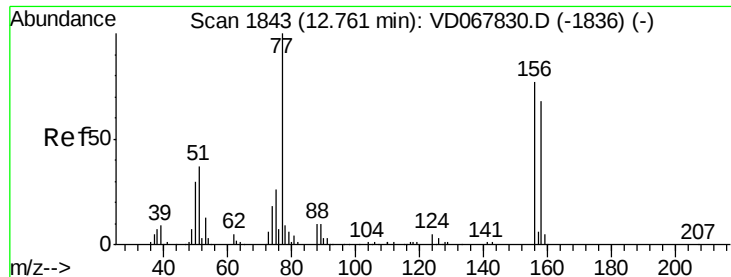
Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Tgt Ion:	75	Resp:	51551
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.9	527.7#





#77

Bromobenzene

Concen: 50.778 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

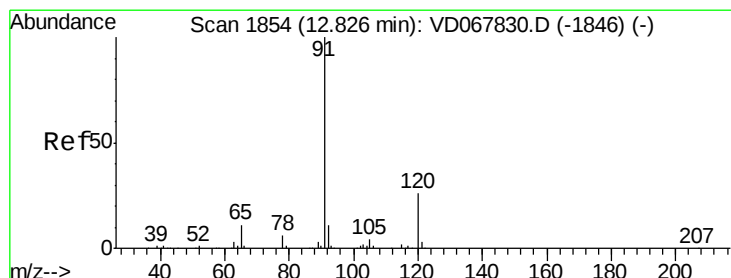
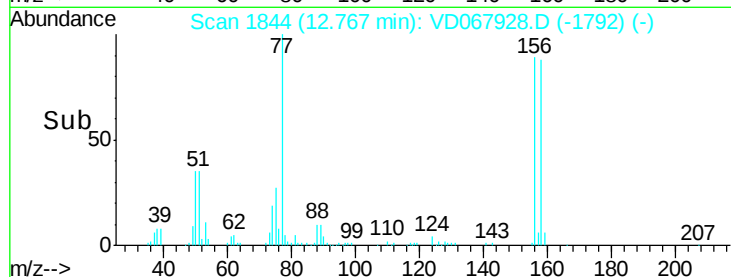
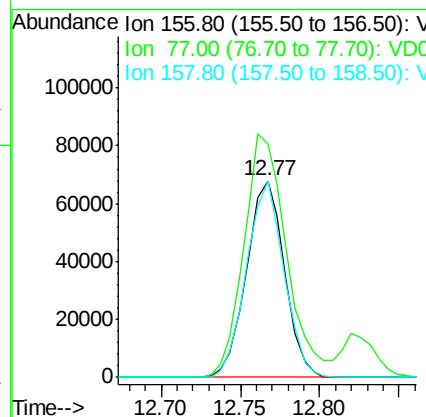
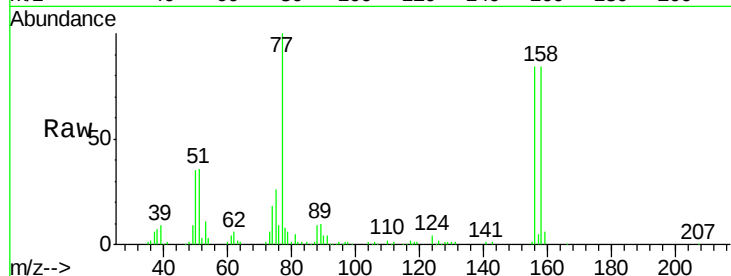
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	140.5	71.5	214.5
158	98.5	47.1	141.4

Manual Integrations
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#78

n-propylbenzene

Concen: 50.660 ug/l

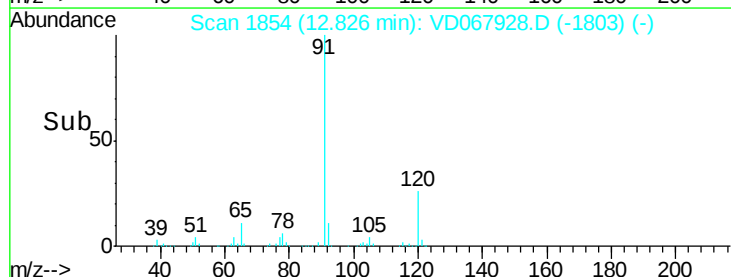
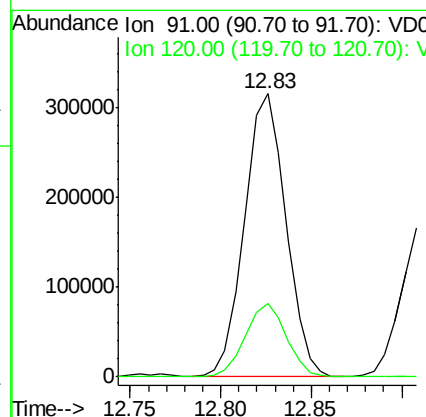
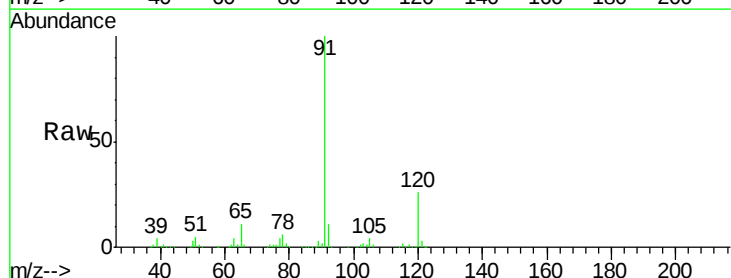
RT: 12.83 min Scan# 1854

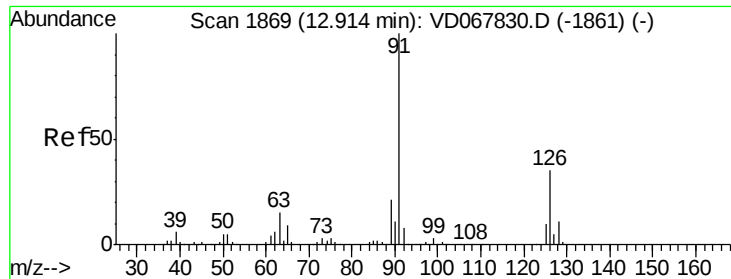
Delta R.T. 0.00 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.6	12.7	38.0





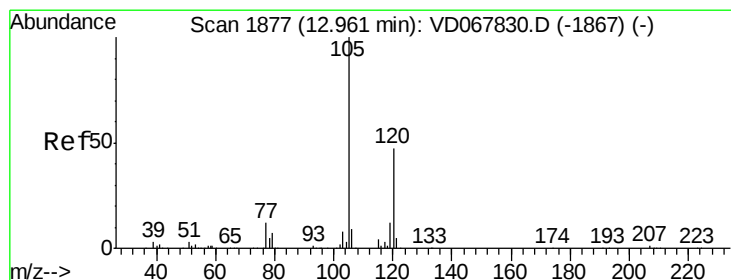
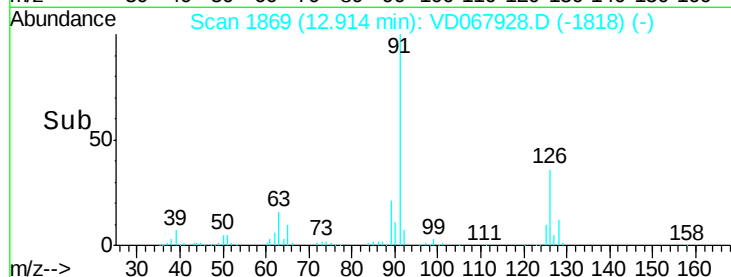
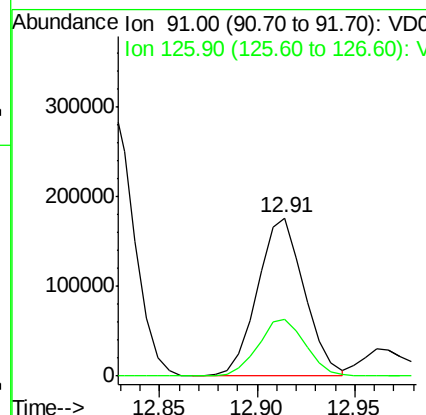
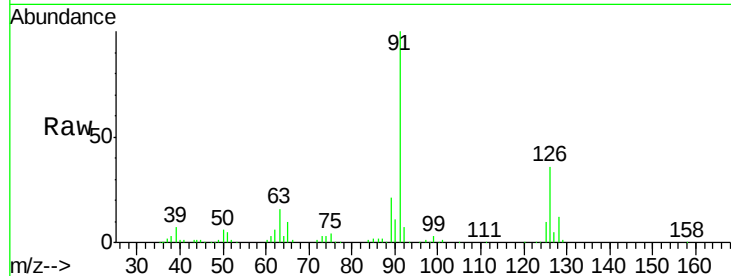
#79
 2-Chlorotoluene
 Concen: 50.169 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	36.4	17.9	53.7	

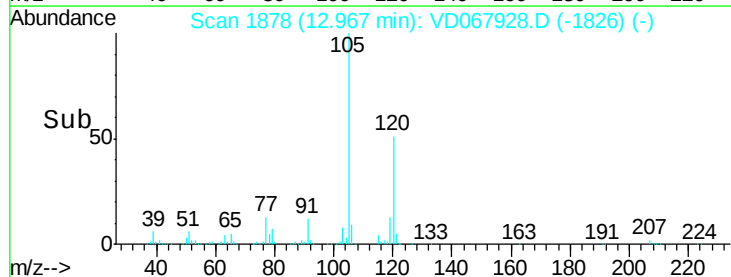
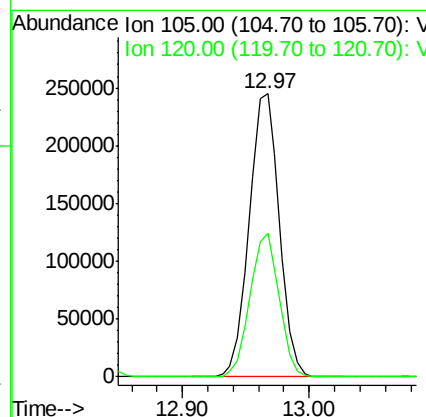
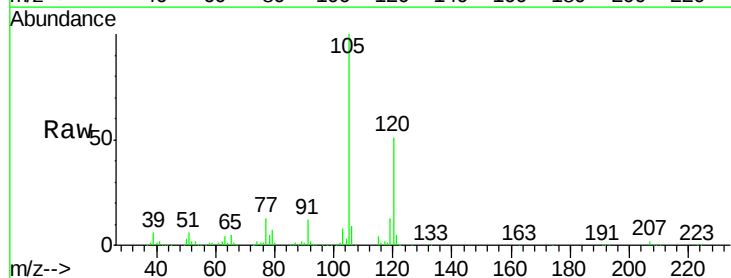
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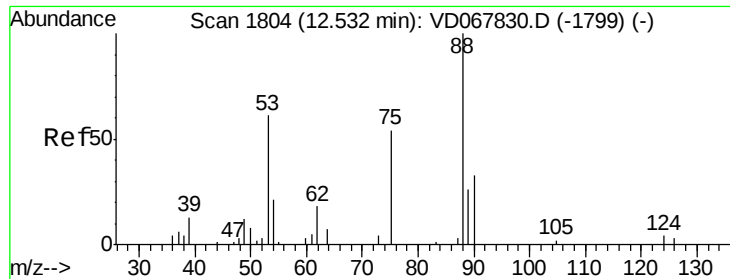
MMDadoda
 12/10/2020 10:19:31 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.441 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	49.1	24.3	72.9	





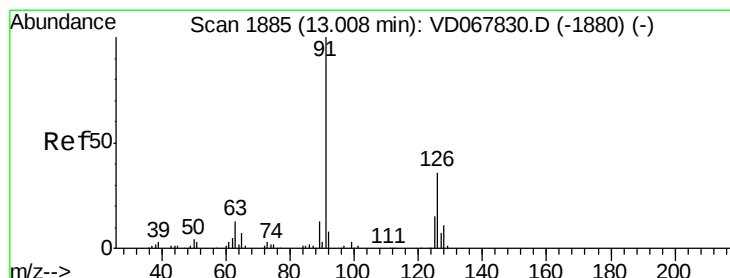
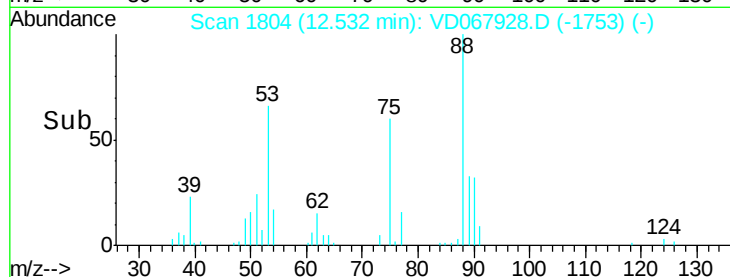
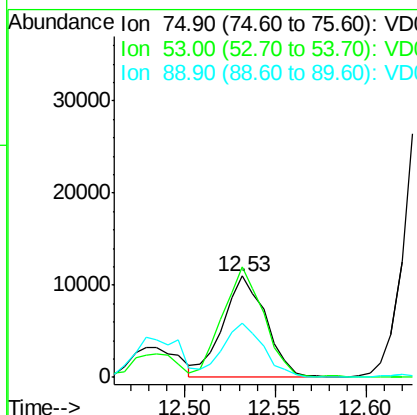
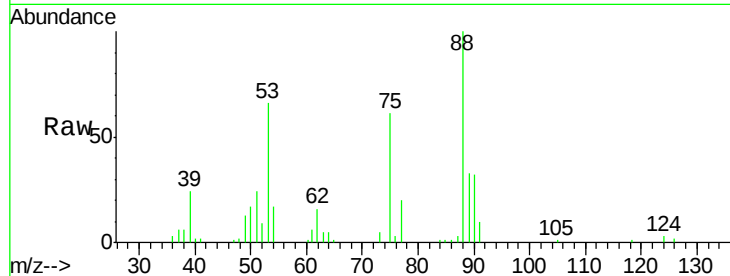
#81
trans-1,4-Dichloro-2-butene
Concen: 45.994 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.8	84.6	127.0
89	50.1	41.0	61.6

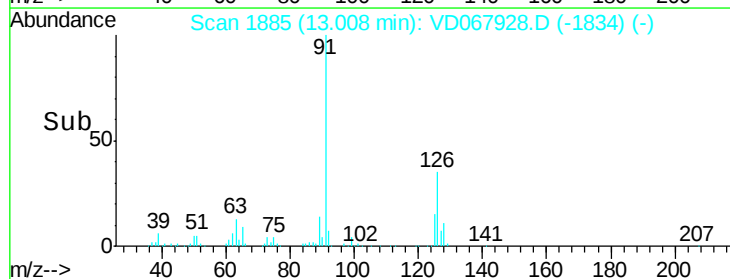
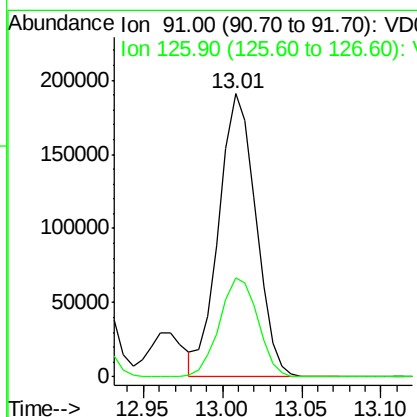
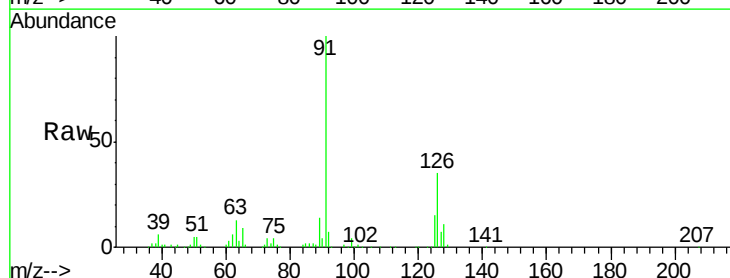
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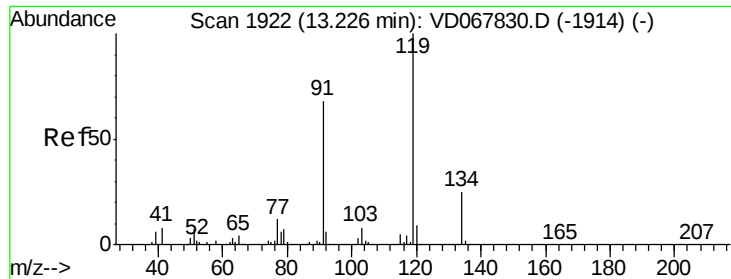
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.066 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.1	54.4





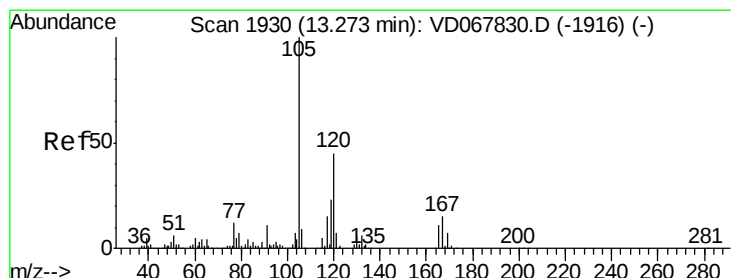
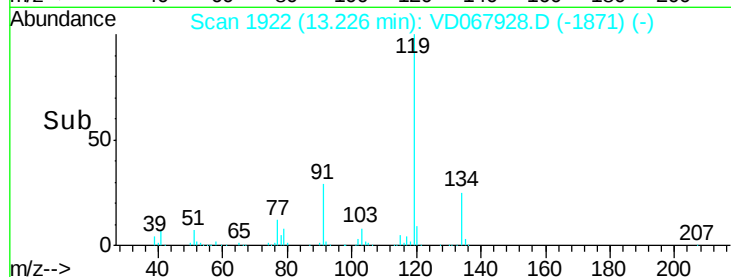
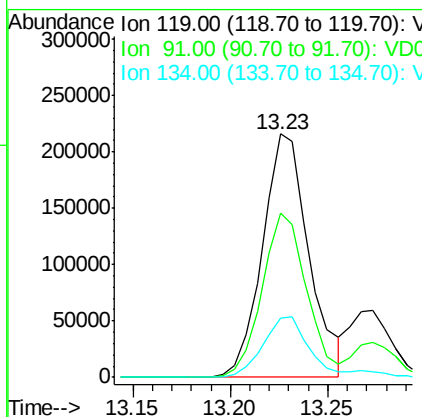
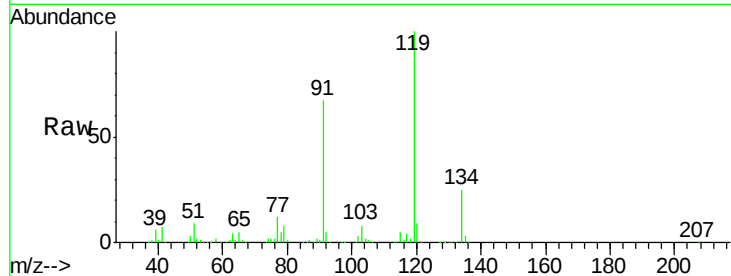
#83
tert-Butylbenzene
Concen: 54.360 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	33.1	99.3
134	24.5	13.6	40.8

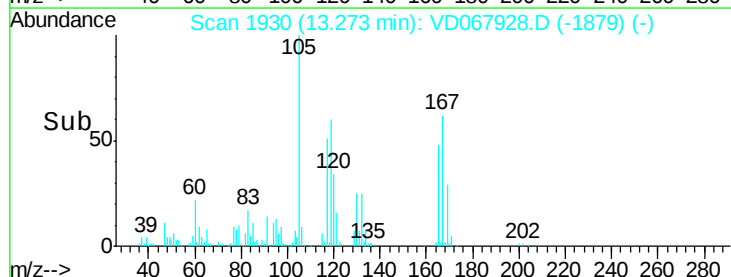
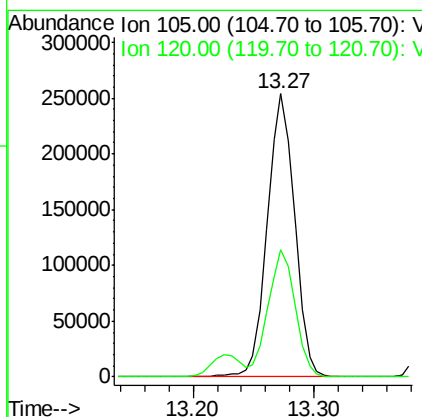
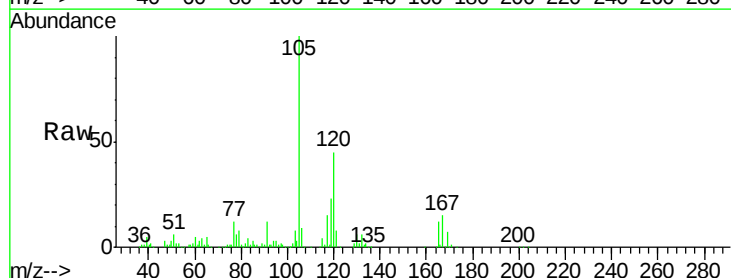
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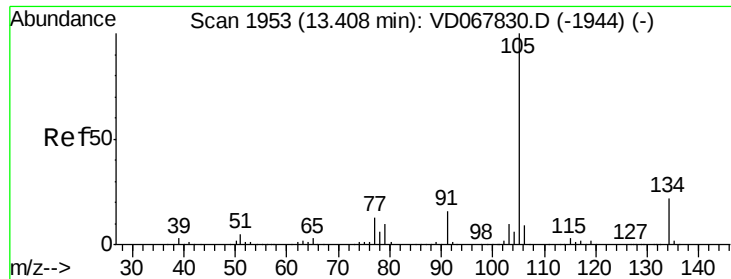
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.702 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5





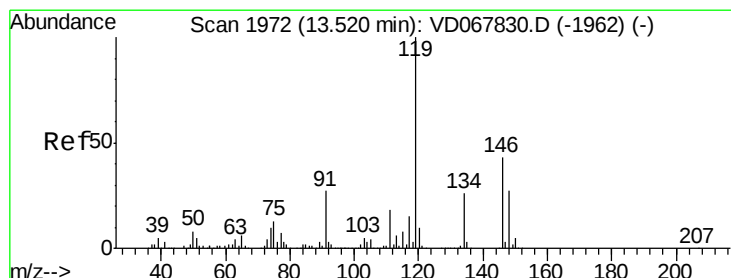
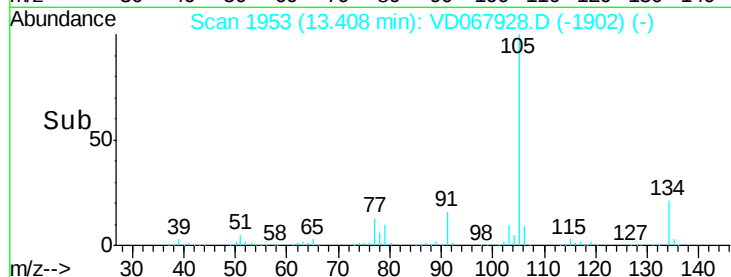
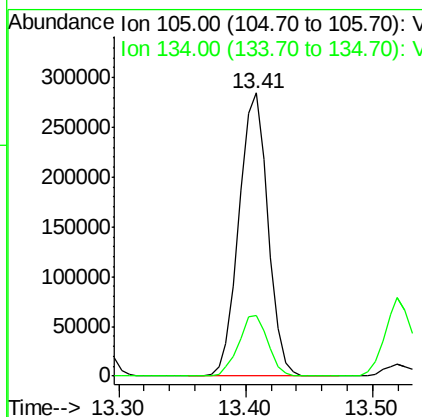
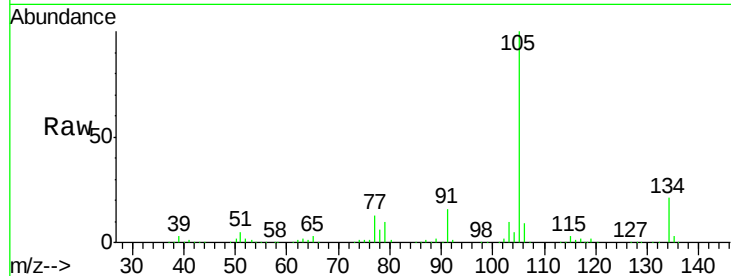
#85
 sec-Butylbenzene
 Concen: 51.297 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 449728
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.9 32.9

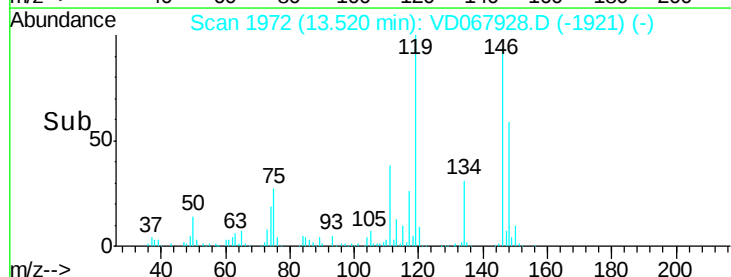
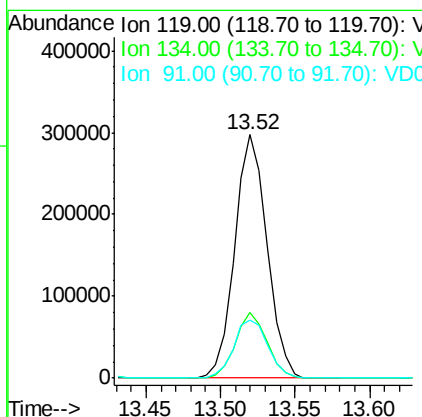
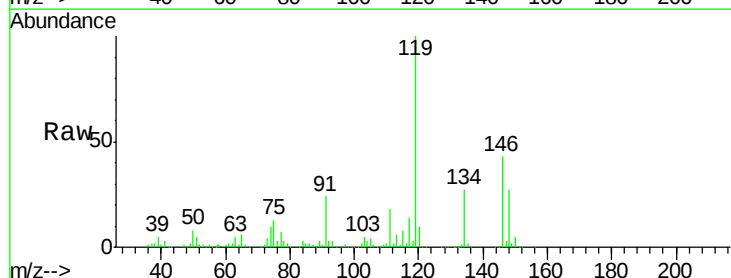
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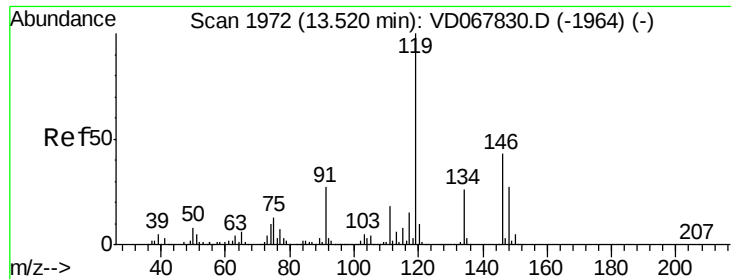
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#86
 p-Isopropyltoluene
 Concen: 52.114 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion:119 Resp: 447791
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 25.4 12.8 38.3





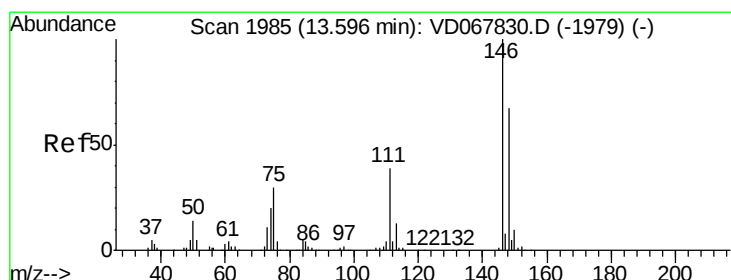
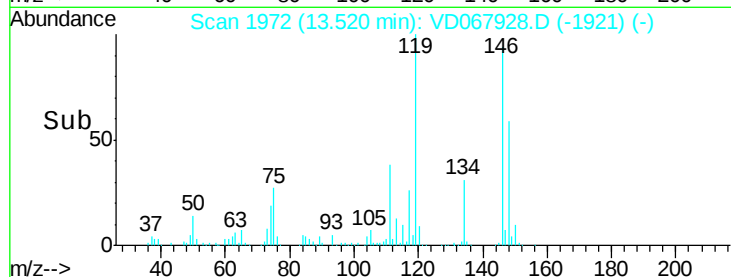
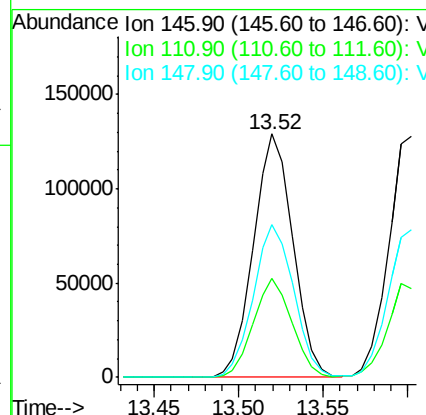
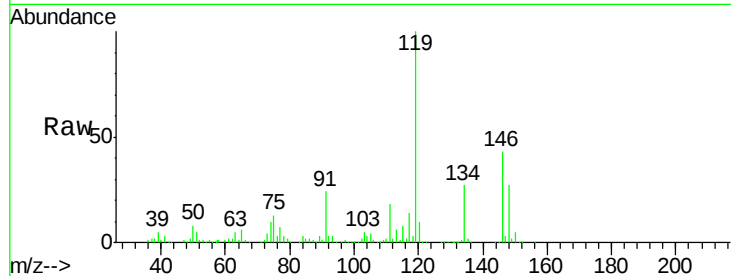
#87
 1,3-Dichlorobenzene
 Concen: 49.070 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.2
148	64.3	32.9	98.6

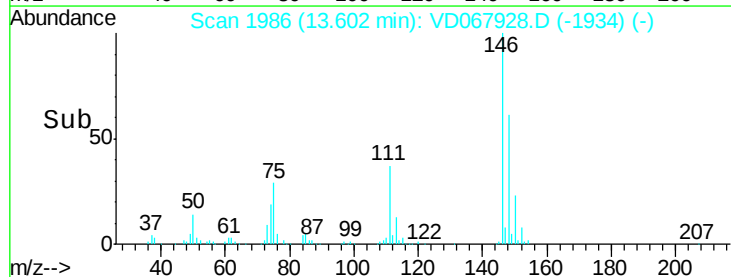
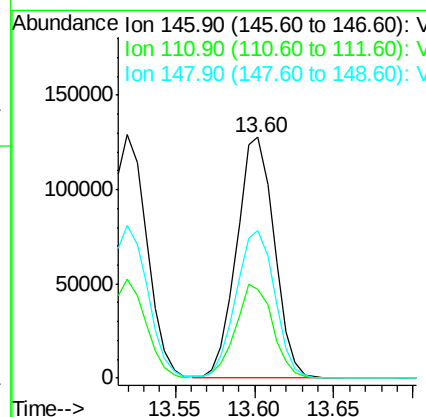
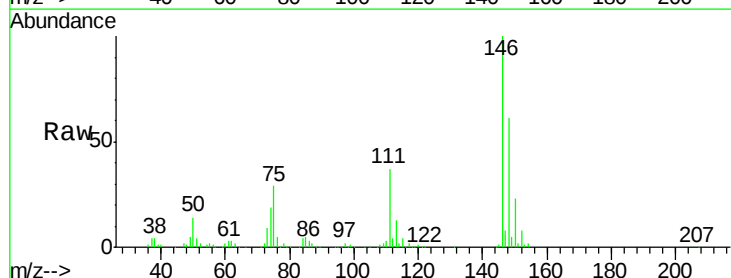
Manual Integrations
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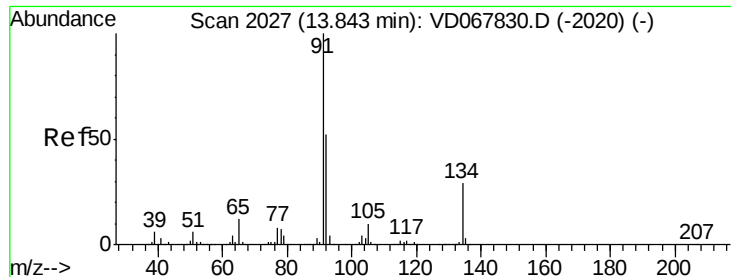
MMDadoda
 12/10/2020 10:19:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.485 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.6
148	62.6	32.4	97.2





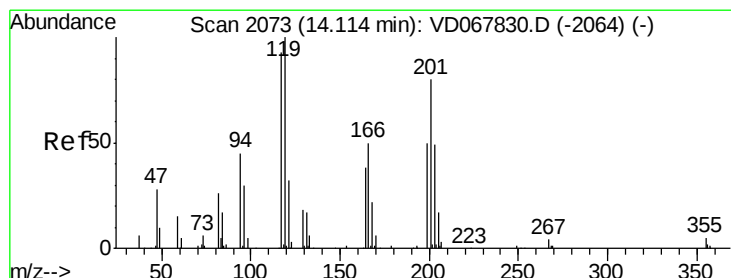
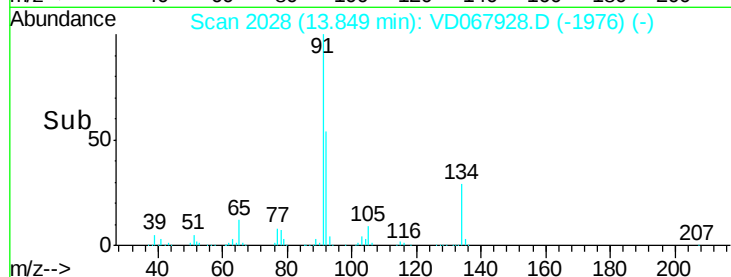
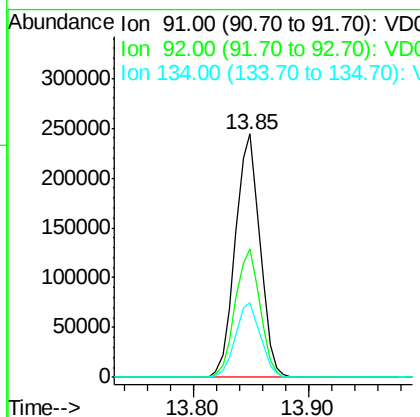
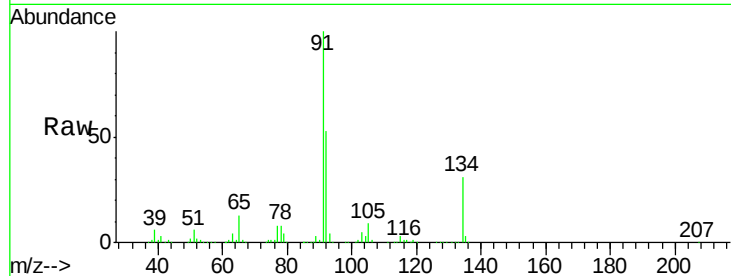
#89
n-Butylbenzene
Concen: 50.705 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.8
134	31.1	14.8	44.3

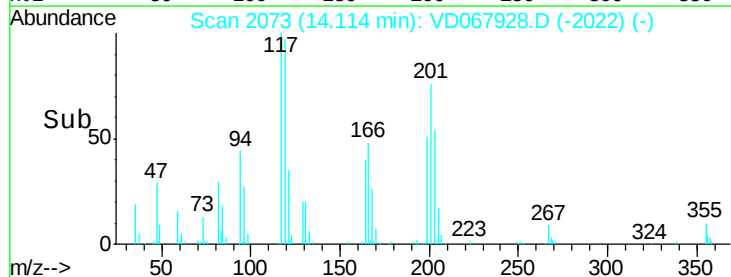
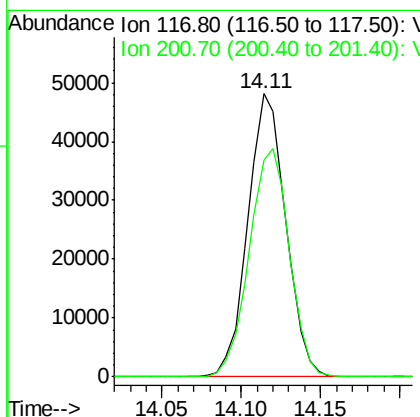
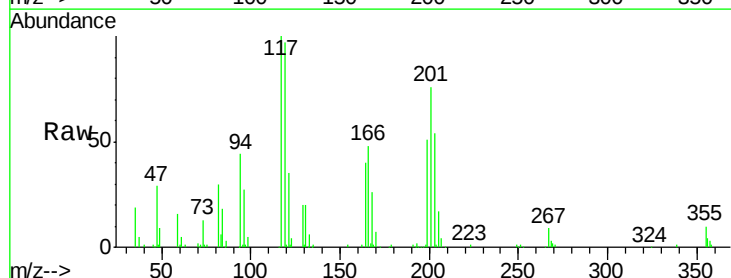
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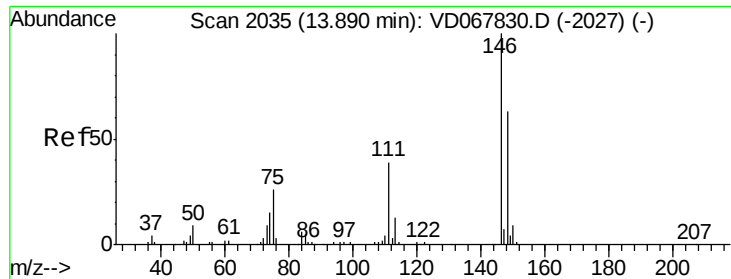
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#90
Hexachloroethane
Concen: 50.429 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	43.9	131.6





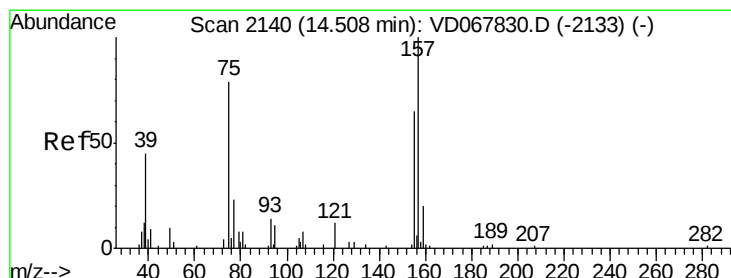
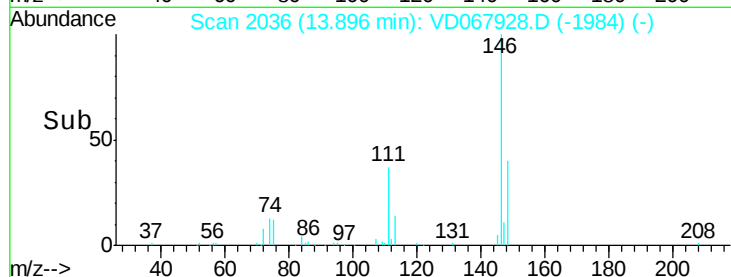
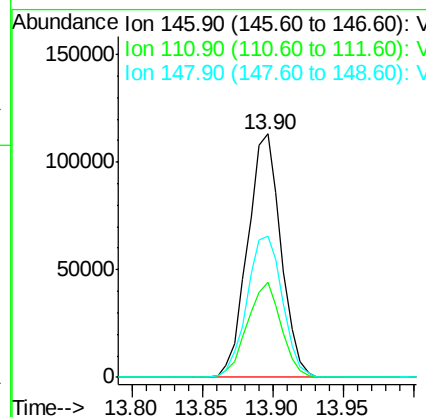
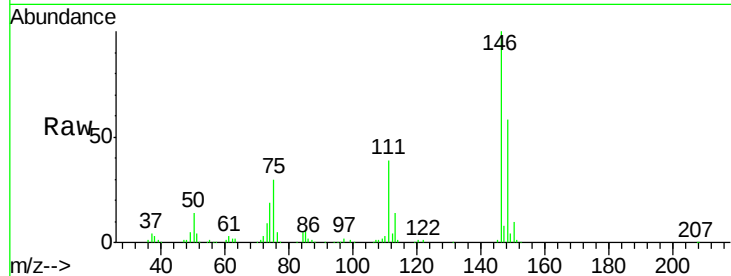
#91
 1,2-Dichlorobenzene
 Concen: 50.545 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.4	61.2
148	61.6	32.1	96.3

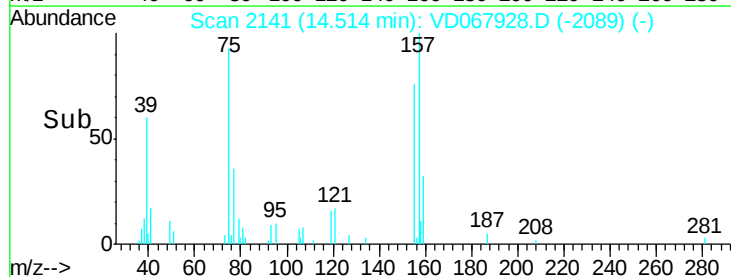
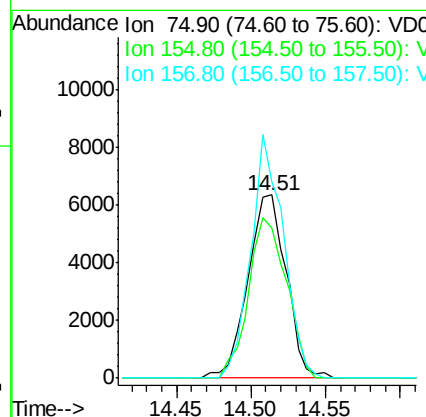
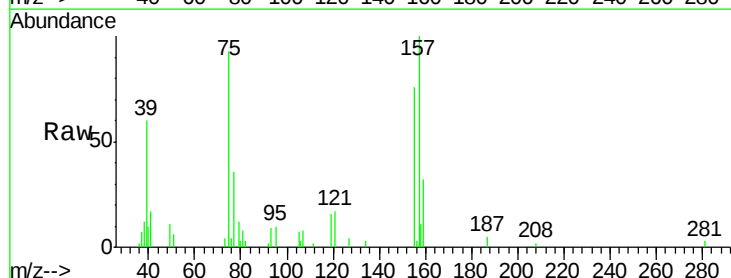
Manual Integrations
 APPROVED

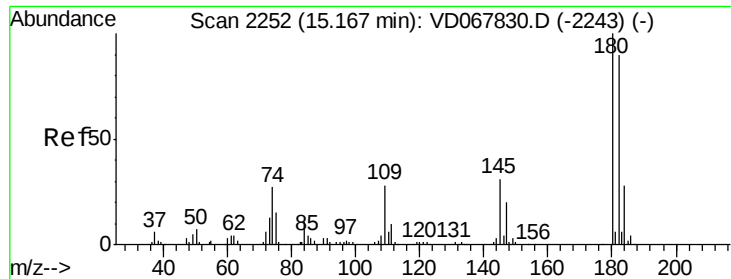
MMDadoda
 12/10/2020 10:19:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.780 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD067928.D
 Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	44.1	132.4
157	113.1	62.4	187.2





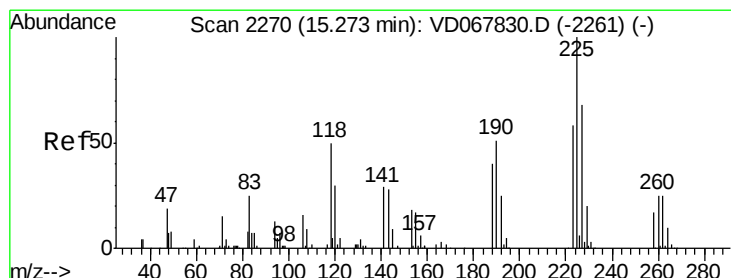
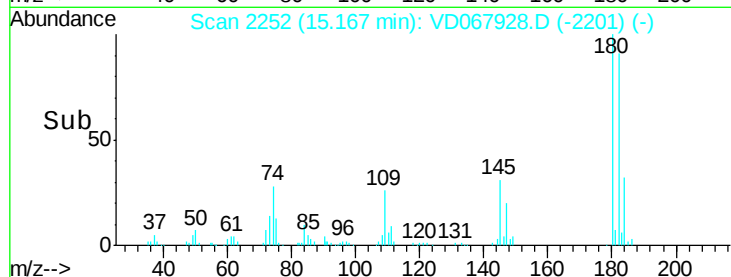
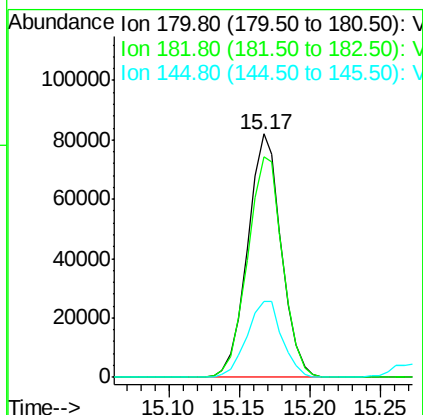
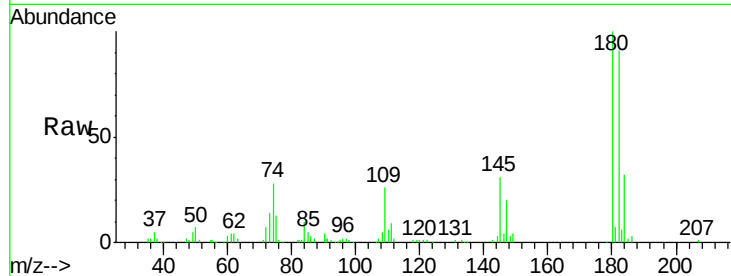
#93
1,2,4-Trichlorobenzene
Concen: 52.681 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136648		
182	94.4	47.5	142.6	
145	32.8	16.4	49.4	

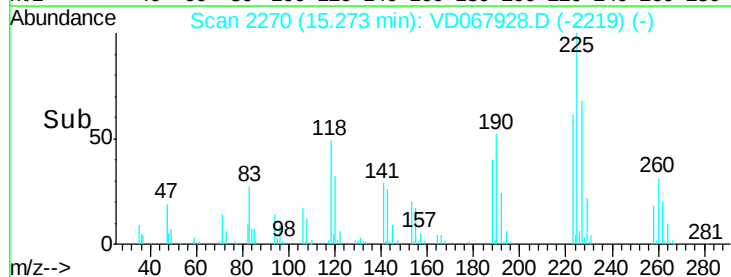
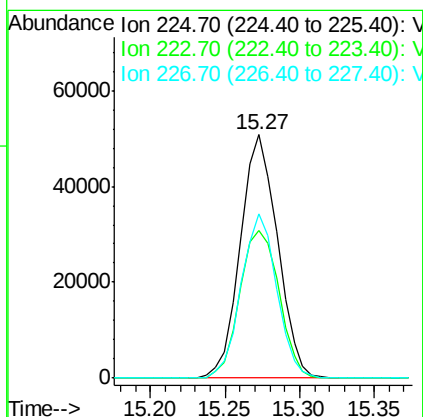
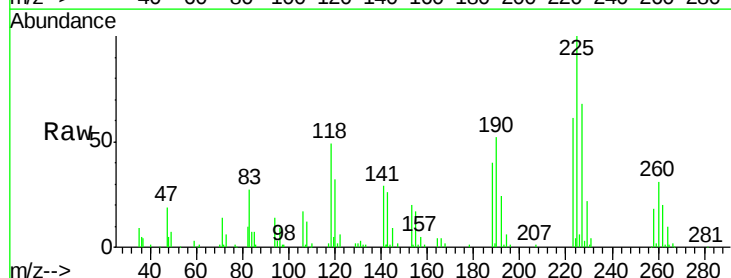
Manual Integrations
APPROVED

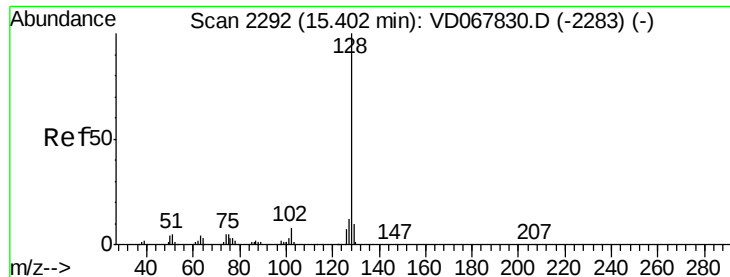
MMDadoda
12/10/2020 10:19:31 AM



#94
Hexachlorobutadiene
Concen: 51.878 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD067928.D
Acq: 09 Dec 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87808		
223	64.0	31.1	93.3	
227	64.5	33.1	99.3	





#95

Naphthalene

Concen: 49.930 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Instrument :

MSVOA_D

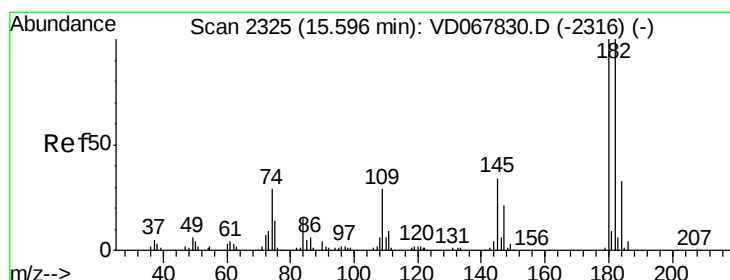
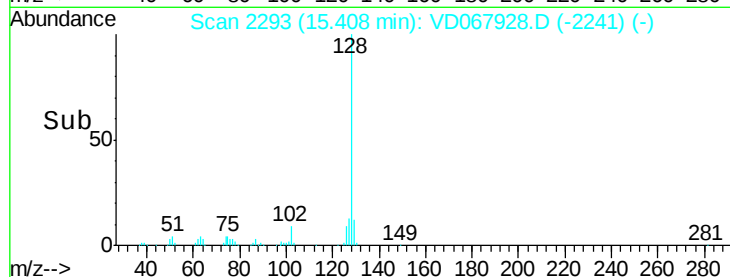
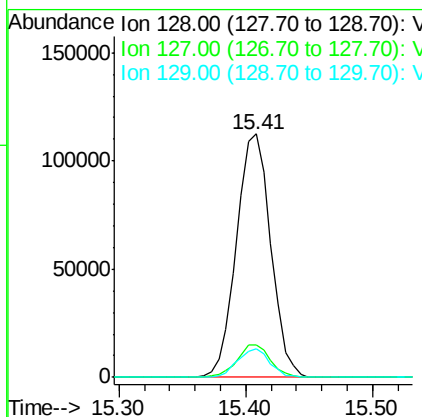
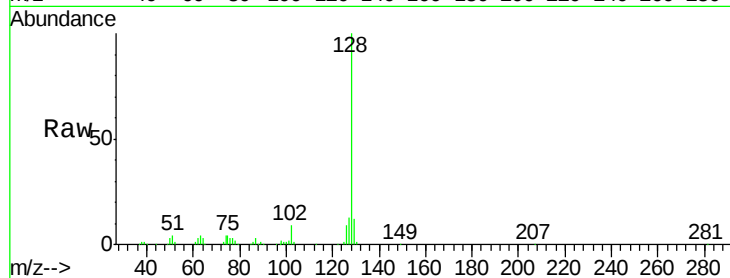
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	210745
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/10/2020 10:19:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.984 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD067928.D

Acq: 09 Dec 2020 16:23

Tgt Ion:	180	Resp:	114206
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	142.0
145	34.2	16.8	50.4

