

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067739.D
 Acq On : 23 Nov 2020 11:50
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:29 PM

Quant Time: Nov 24 00:44:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	265318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	379401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	352226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	182574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	51596	19.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.58%#
35) Dibromofluoromethane	7.91	113	46898	19.31	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	38.62%#
50) Toluene-d8	10.34	98	180002	20.42	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	40.84%#
62) 4-Bromofluorobenzene	12.63	95	62004	20.47	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	40.94%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	43388	18.558	ug/l	98
3) Chloromethane	2.21	50	24818	18.678	ug/l	95
4) Vinyl Chloride	2.34	62	30811	18.578	ug/l	99
5) Bromomethane	2.75	94	27315	19.231	ug/l	92
6) Chloroethane	2.91	64	20495	18.720	ug/l	99
7) Trichlorofluoromethane	3.27	101	98956	19.711	ug/l	95
8) Diethyl Ether	3.71	74	20221	19.959	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46930	19.621	ug/l	99
10) Methyl Iodide	4.30	142	42474	17.308	ug/l	96
11) Tert butyl alcohol	5.22	59	18912	97.117	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	43064	19.577	ug/l	91
13) Acrolein	3.92	56	11512	106.960	ug/l	98
14) Allyl chloride	4.71	41	39411	18.646	ug/l	93
15) Acrylonitrile	5.41	53	35203	102.521	ug/l #	88
16) Acetone	4.16	43	32684	94.625	ug/l	97
17) Carbon Disulfide	4.41	76	127099	19.716	ug/l	98
18) Methyl Acetate	4.71	43	13053	19.582	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	94503	20.089	ug/l	97
20) Methylene Chloride	4.96	84	61967	18.097	ug/l #	96
21) trans-1,2-Dichloroethene	5.47	96	48946	19.879	ug/l	94
22) Diisopropyl ether	6.37	45	85837	20.634	ug/l	96
23) Vinyl Acetate	6.31	43	237578	100.579	ug/l	95
24) 1,1-Dichloroethane	6.26	63	72540	20.150	ug/l	97
25) 2-Butanone	7.21	43	36373	98.629	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	82143	19.488	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	52705	19.834	ug/l	99
28) Bromochloromethane	7.56	49	22404	19.490	ug/l	100
29) Tetrahydrofuran	7.56	42	21241	98.260	ug/l	90
30) Chloroform	7.71	83	92096	19.726	ug/l	96
31) Cyclohexane	7.98	56	61280	19.687	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	99906	20.083	ug/l	100
36) 1,1-Dichloropropene	8.11	75	64326	19.585	ug/l	100
37) Ethyl Acetate	7.30	43	16877	19.561	ug/l	95
38) Carbon Tetrachloride	8.10	117	95781	19.874	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76171	19.528	ug/l	96
40) Benzene	8.35	78	181329	20.018	ug/l	99
41) Methacrylonitrile	7.53	41	8149	20.336	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	62295	20.471	ug/l	100
43) Isopropyl Acetate	8.46	43	34658	19.852	ug/l	97
44) Trichloroethene	9.11	130	59822	19.809	ug/l	98
45) 1,2-Dichloropropane	9.39	63	37620	20.427	ug/l	100
46) Dibromomethane	9.48	93	25111	20.301	ug/l	94
47) Bromodichloromethane	9.67	83	70851	20.265	ug/l	99
48) Methyl methacrylate	9.46	41	16738	19.354	ug/l	90
49) 1,4-Dioxane	9.46	88	5728	426.957	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	86432	106.104	ug/l	99
52) Toluene	10.41	92	129156	21.137	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	62269	20.449	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	71195	20.652	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	33526	19.965	ug/l	96
56) Ethyl methacrylate	10.67	69	35724	20.584	ug/l	97
57) 1,3-Dichloropropane	10.95	76	54046	20.548	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	74975	92.505	ug/l	99
59) 2-Hexanone	10.99	43	58803	101.151	ug/l	100
60) Dibromochloromethane	11.14	129	53251	20.803	ug/l	100
61) 1,2-Dibromoethane	11.25	107	34086	20.529	ug/l	96
64) Tetrachloroethene	10.88	164	54370	19.632	ug/l	92
65) Chlorobenzene	11.67	112	141294	20.252	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	54710	19.574	ug/l	96
67) Ethyl Benzene	11.75	91	238812	19.941	ug/l	99
68) m/p-Xylenes	11.86	106	191543	40.907	ug/l	97
69) o-Xylene	12.18	106	83607	19.637	ug/l	95
70) Styrene	12.20	104	150413	20.450	ug/l	98
71) Bromoform	12.36	173	31081	20.425	ug/l #	97
73) Isopropylbenzene	12.48	105	241698	19.734	ug/l	100
74) N-amyl acetate	12.29	43	31912	20.112	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	31933	19.564	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	28987m	20.372	ug/l	
77) Bromobenzene	12.76	156	61517	20.172	ug/l	97
78) n-propylbenzene	12.83	91	271506	19.988	ug/l	98
79) 2-Chlorotoluene	12.91	91	161223	20.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	210542	19.583	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	10100	18.537	ug/l	83
82) 4-Chlorotoluene	13.01	91	168619	19.771	ug/l	100
83) tert-Butylbenzene	13.23	119	179317	19.792	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	214088	20.240	ug/l	100
85) sec-Butylbenzene	13.40	105	234733	19.620	ug/l	100
86) p-Isopropyltoluene	13.52	119	232823	20.123	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	119771	20.154	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	115942	19.578	ug/l	99
89) n-Butylbenzene	13.84	91	195716	19.760	ug/l	100
90) Hexachloroethane	14.11	117	41694	18.911	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	101580	19.875	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7052	20.301	ug/l	90

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	71031	19.625	ug/l	97
94) Hexachlorobutadiene	15.27	225	44394	19.121	ug/l	96
95) Naphthalene	15.40	128	113373	19.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	58969	19.187	ug/l	100

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

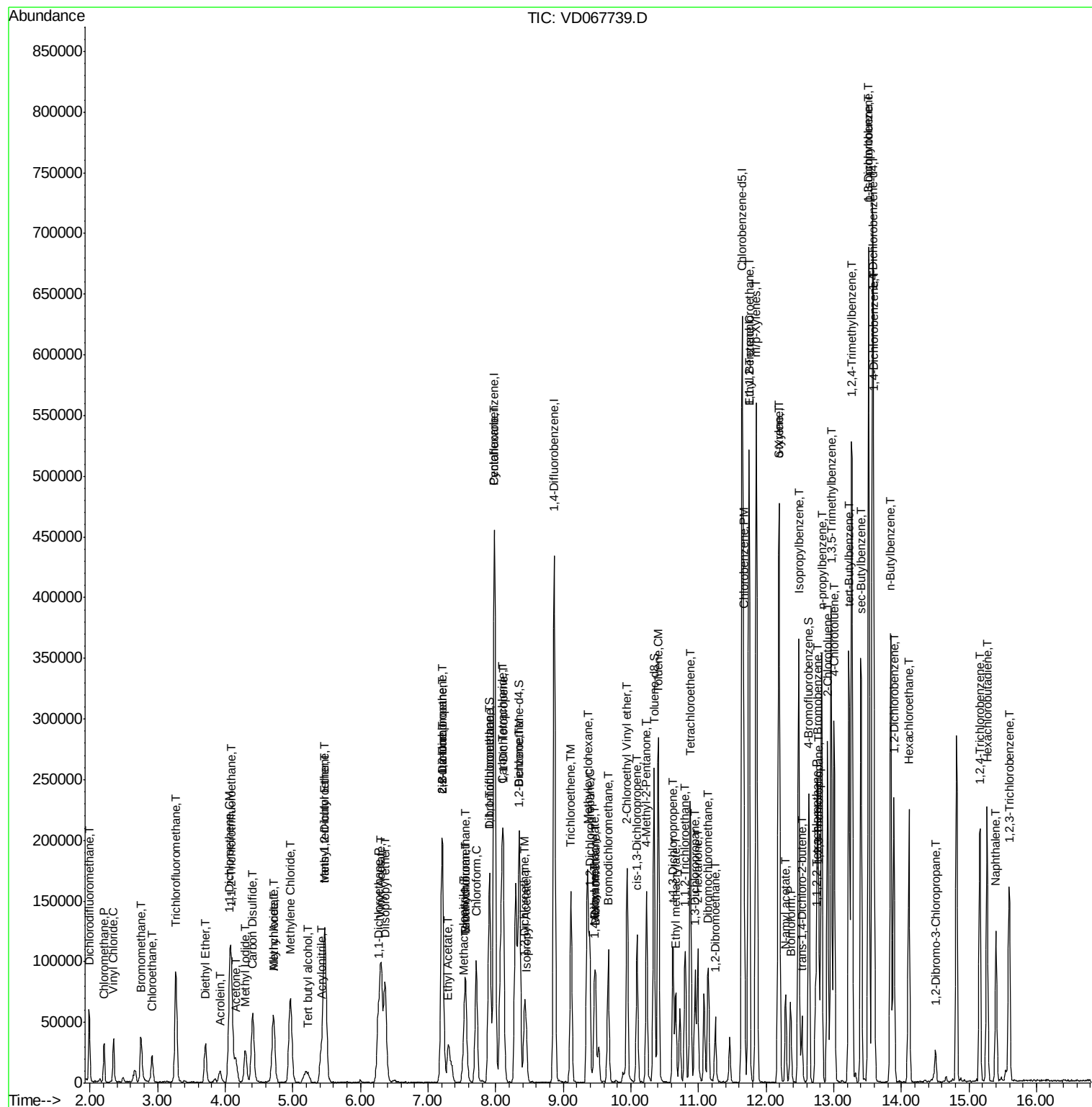
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112320\
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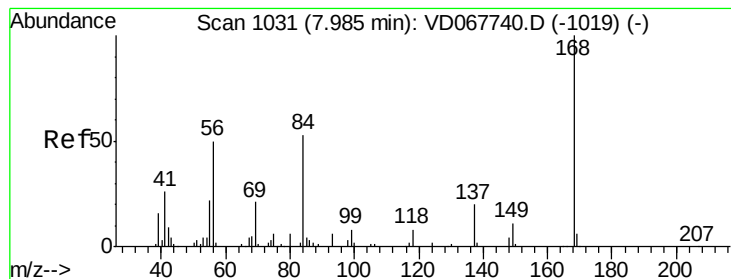
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 265318

Ion Ratio Lower Upper

168 100

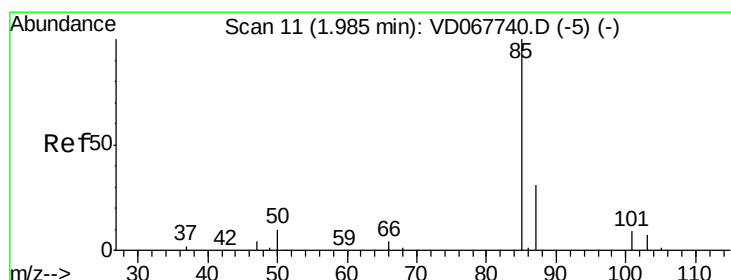
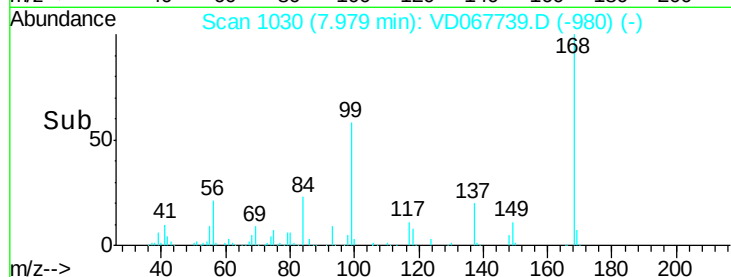
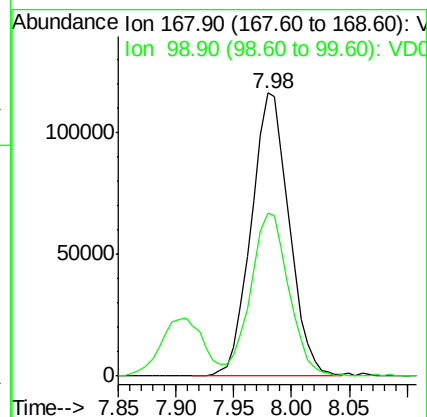
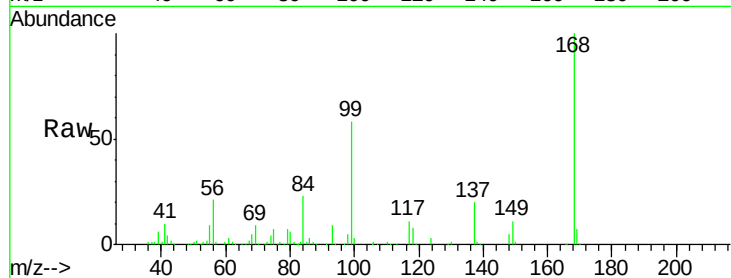
99 57.4 43.8 65.8

Manual Integrations

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11/24/2020 2:56:29 PM



#2

Dichlorodifluoromethane

Concen: 18.558 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067739.D

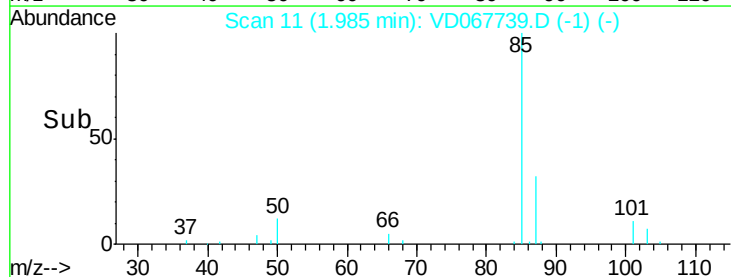
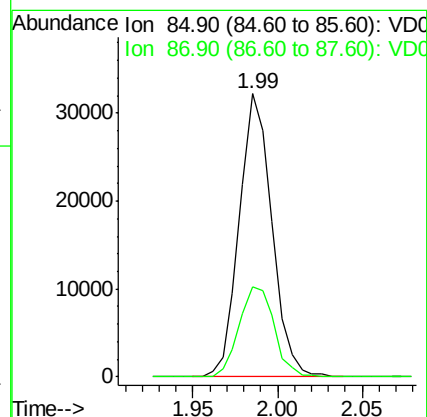
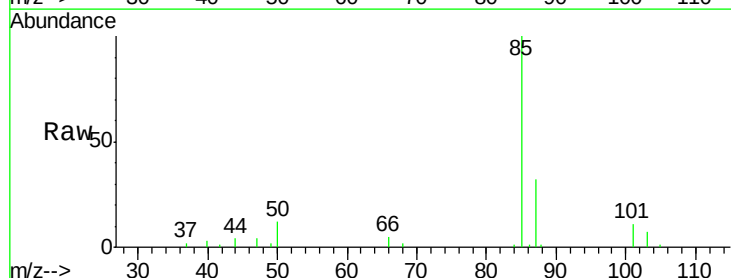
Acq: 23 Nov 2020 11:50

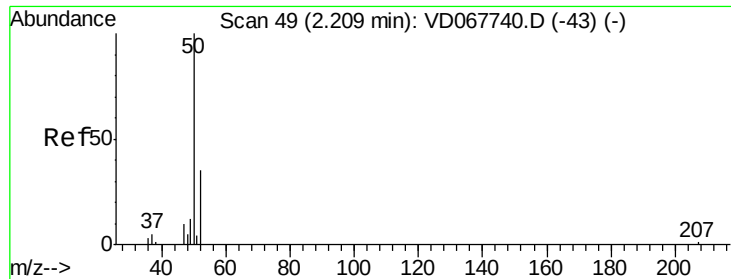
Tgt Ion: 85 Resp: 43388

Ion Ratio Lower Upper

85 100

87 32.0 15.5 46.5





#3

Chloromethane

Concen: 18.678 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 24818

Ion Ratio Lower Upper

50 100

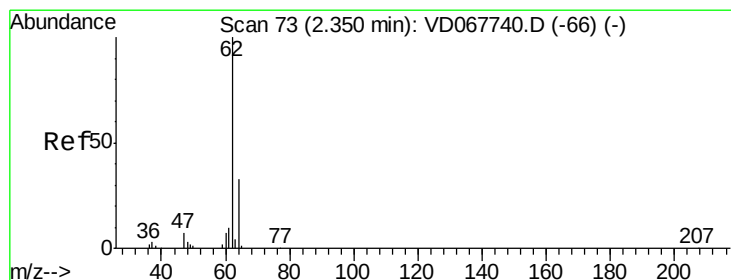
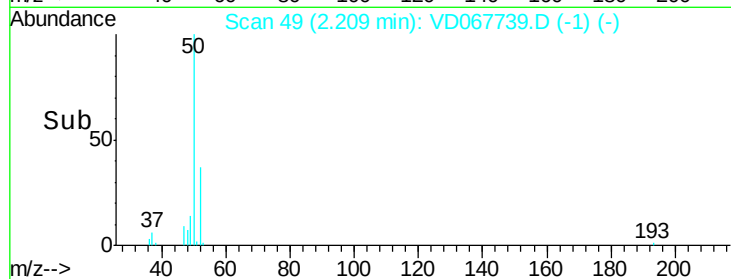
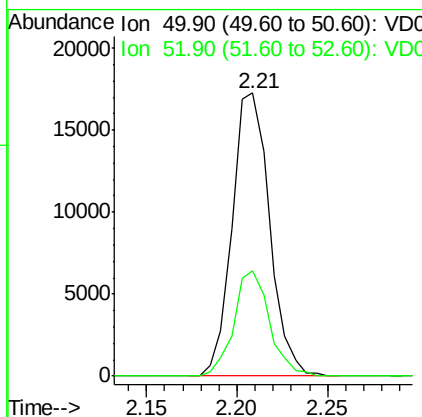
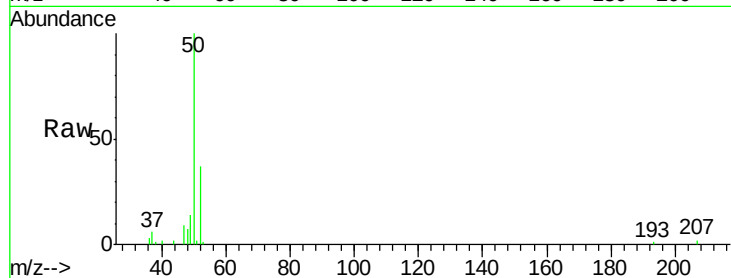
52 37.5 27.8 41.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.578 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067739.D

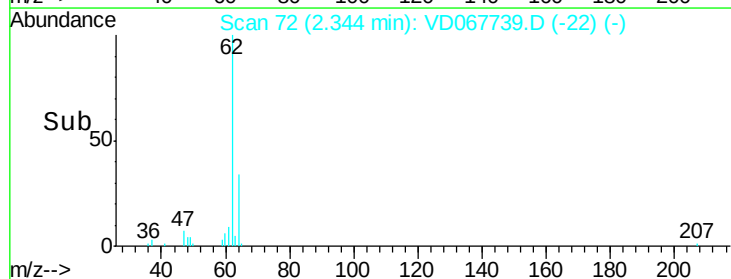
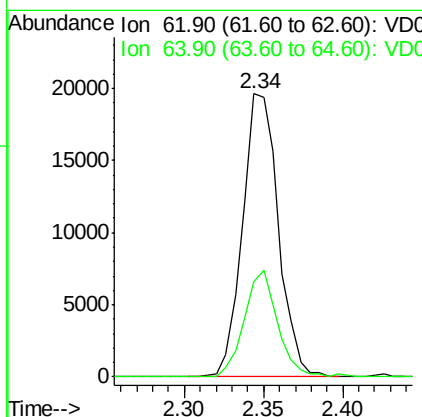
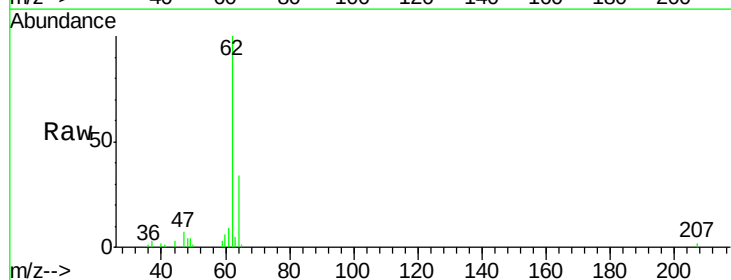
Acq: 23 Nov 2020 11:50

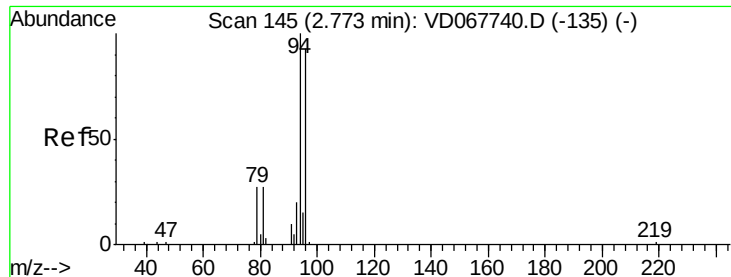
Tgt Ion: 62 Resp: 30811

Ion Ratio Lower Upper

62 100

64 33.8 26.6 40.0





#5

Bromomethane

Concen: 19.231 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

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MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 27315

Ion Ratio Lower Upper

94 100

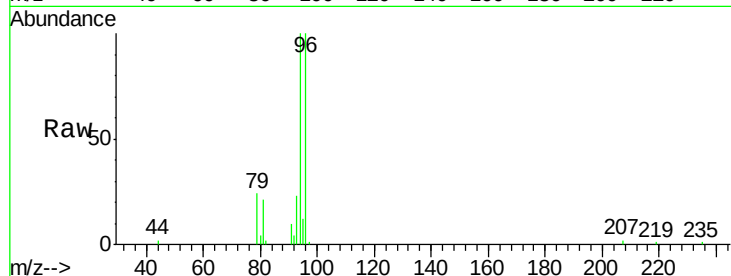
96 100.2 74.0 111.0

Manual Integrations

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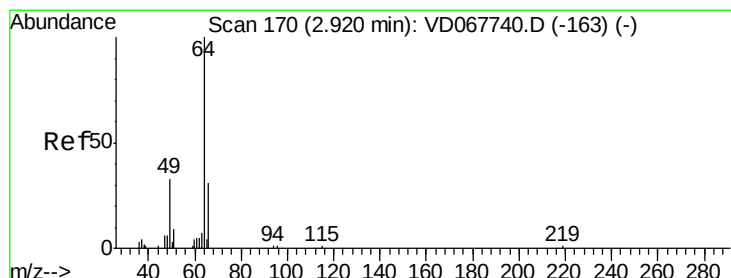
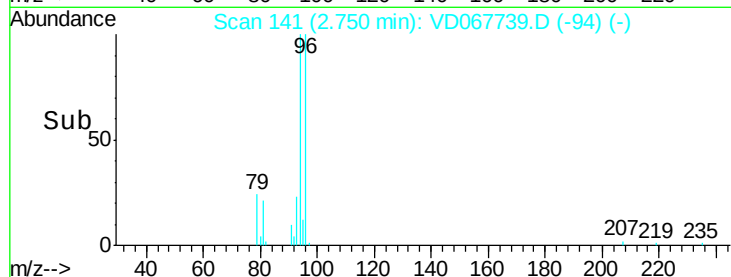
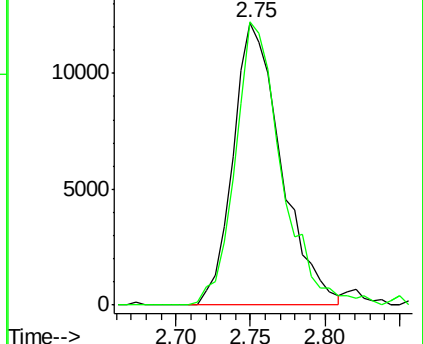
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.720 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067739.D

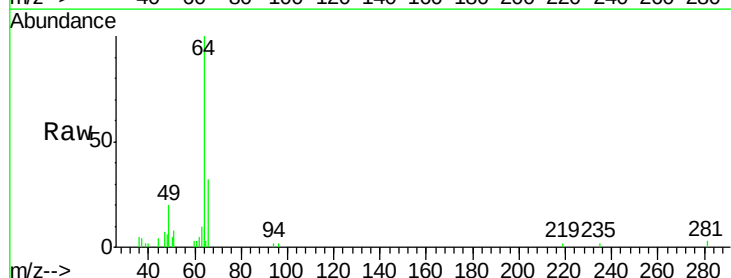
Acq: 23 Nov 2020 11:50

Tgt Ion: 64 Resp: 20495

Ion Ratio Lower Upper

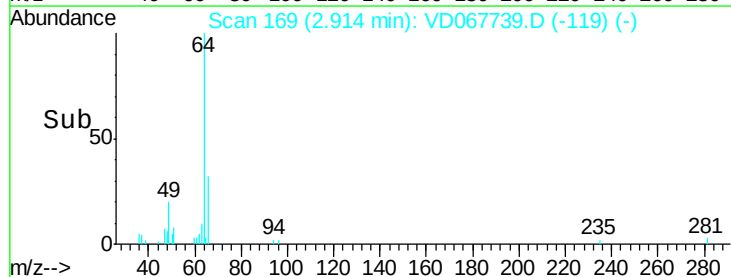
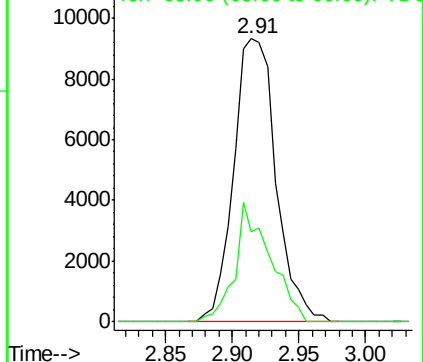
64 100

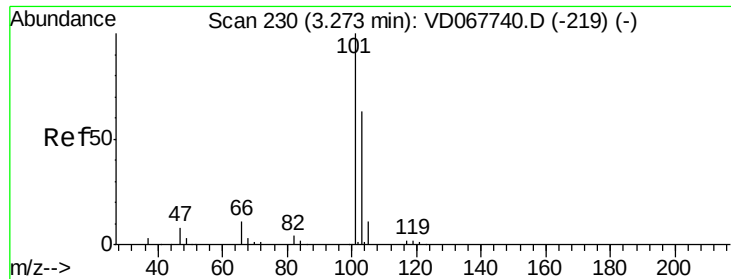
66 31.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

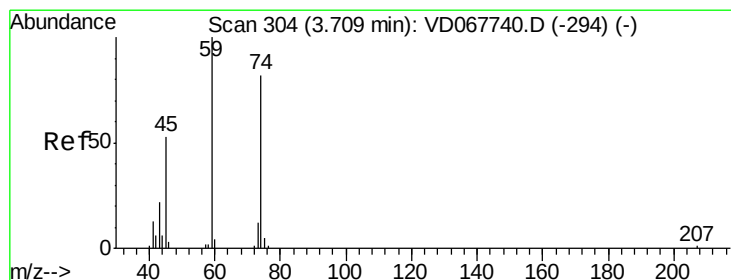
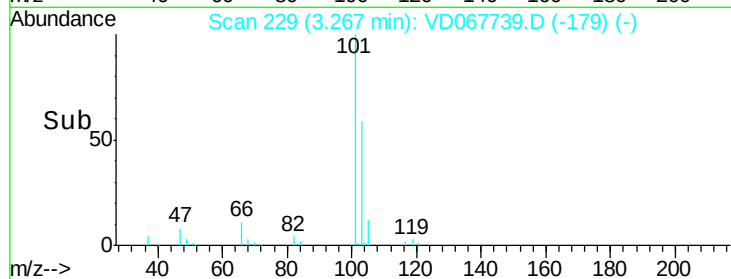
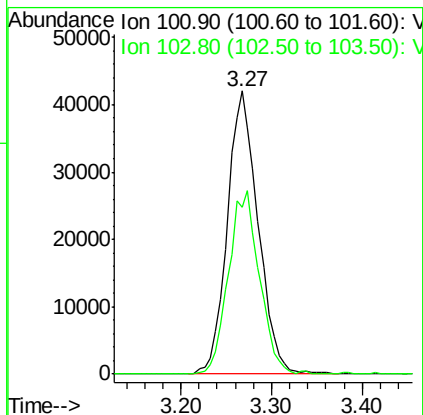
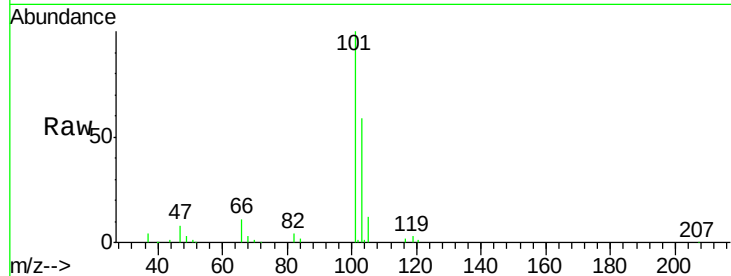
Trichlorofluoromethane
 Concen: 19.711 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067739.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.2	50.3	75.5

Manual Integrations
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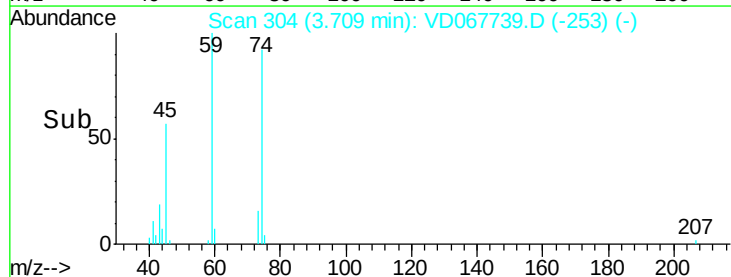
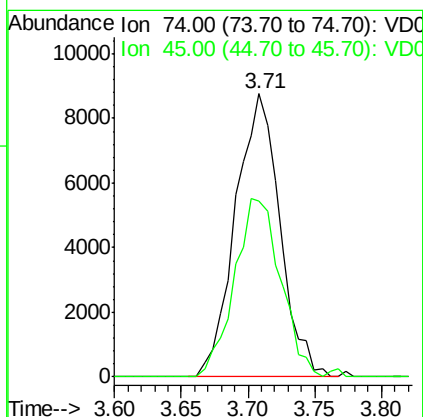
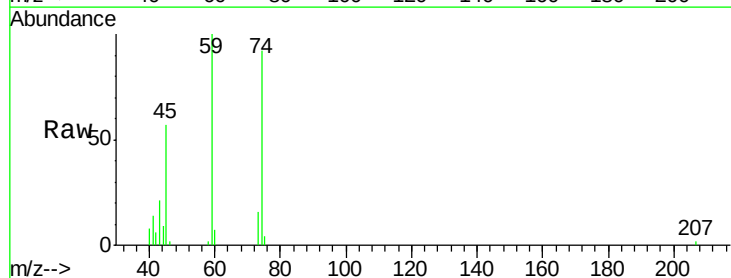
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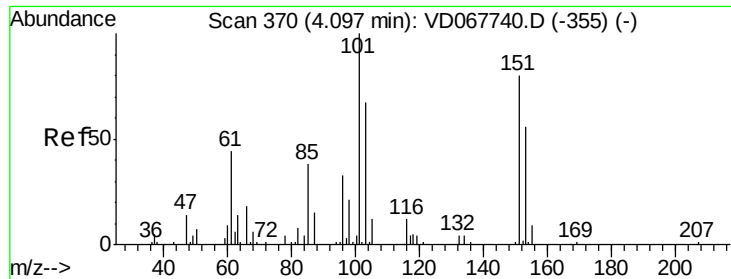


#8

Diethyl Ether
 Concen: 19.959 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	65.6	35.9	107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.621 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

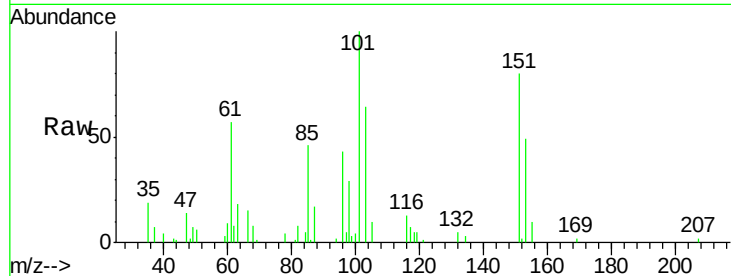
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	46930
Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.5	53.3
151	87.0	69.4	104.0

Manual Integrations
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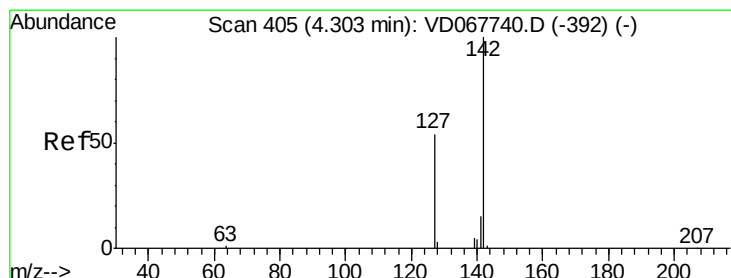
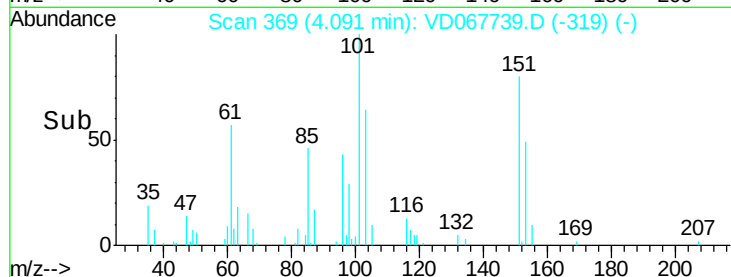
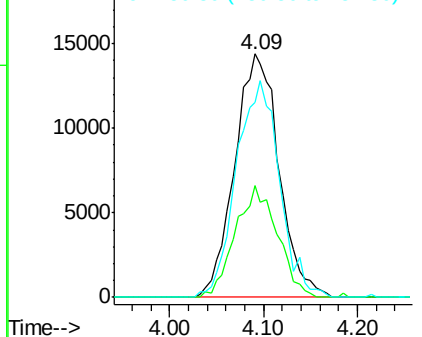


Abundance

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: 17.308 ug/l

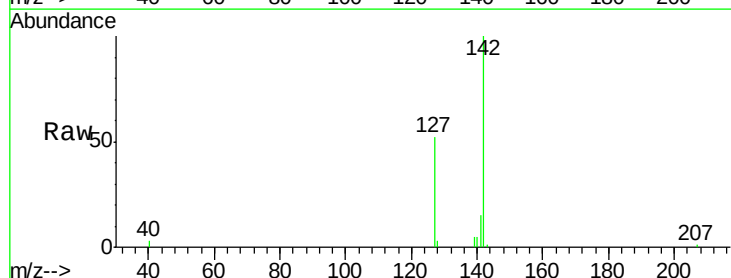
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Tgt Ion:	142	Resp:	42474
Ion	Ratio	Lower	Upper
142	100		
127	55.7	42.2	63.2
141	15.7	11.8	17.6

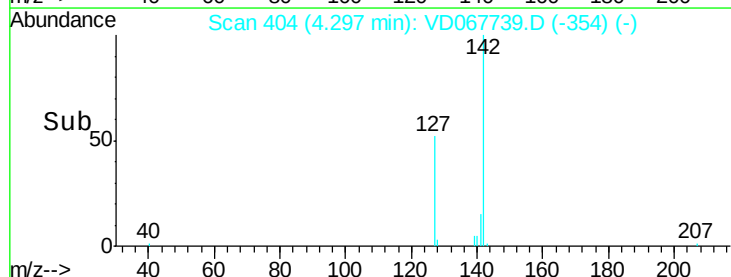
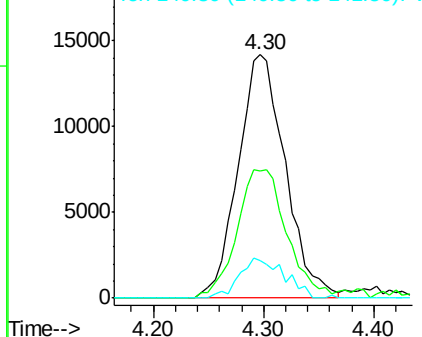


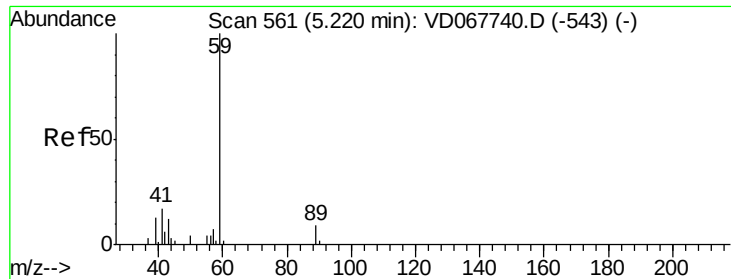
Abundance

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

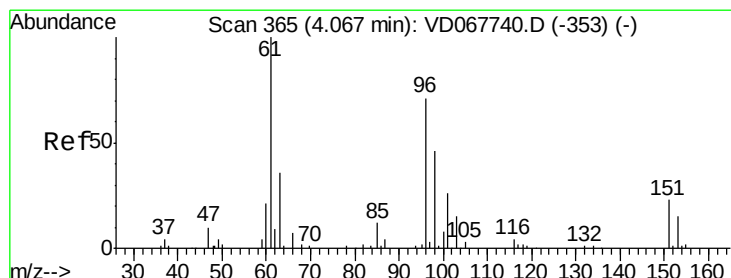
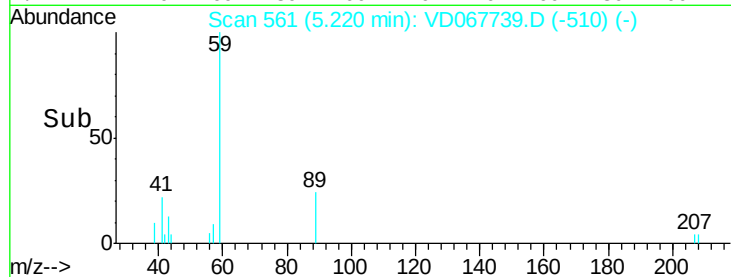
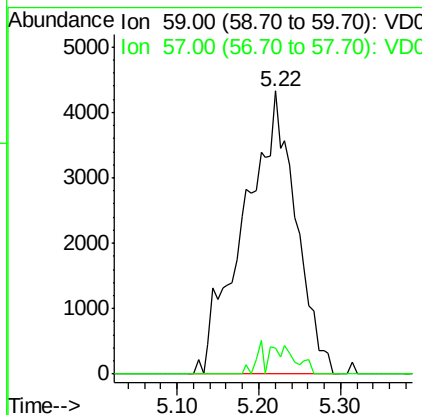
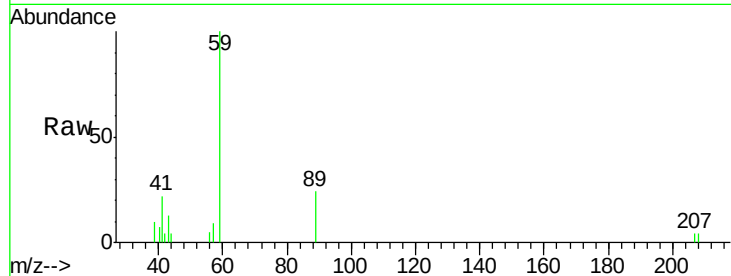
Tert butyl alcohol
 Concen: 97.117 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 59 Resp: 18912
 Ion Ratio Lower Upper
 59 100
 57 0.0 3.4 5.0#

Manual Integrations
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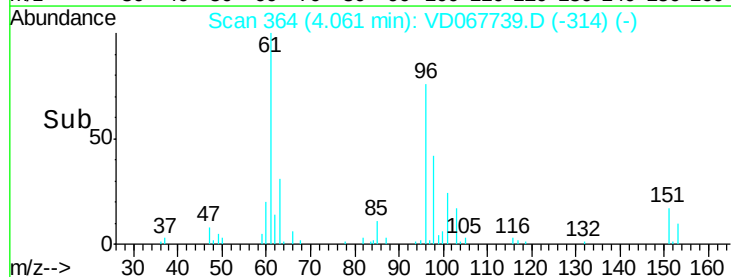
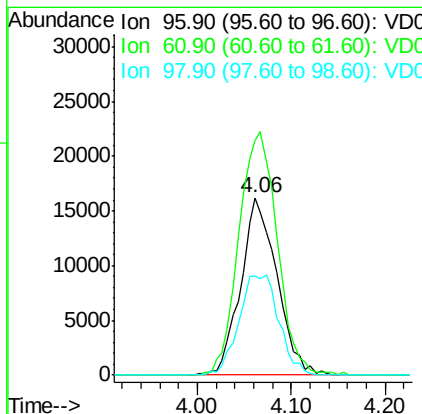
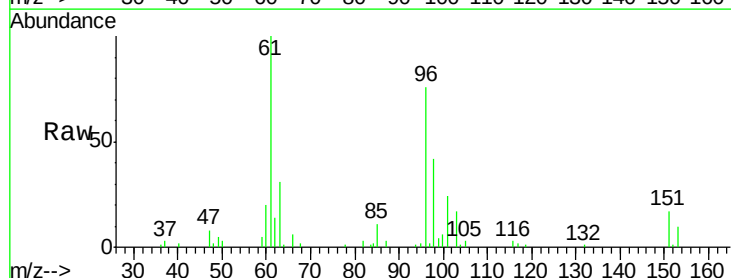
MMDadoda
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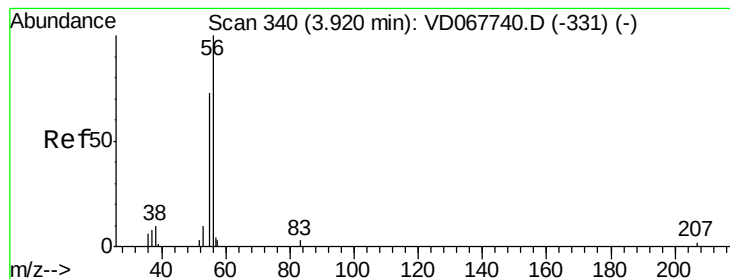


#12

1,1-Dichloroethene
 Concen: 19.577 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion: 96 Resp: 43064
 Ion Ratio Lower Upper
 96 100
 61 132.3 112.9 169.3
 98 55.7 52.4 78.6





#13

Acrolein

Concen: 106.960 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 11512

Ion Ratio Lower Upper

56 100

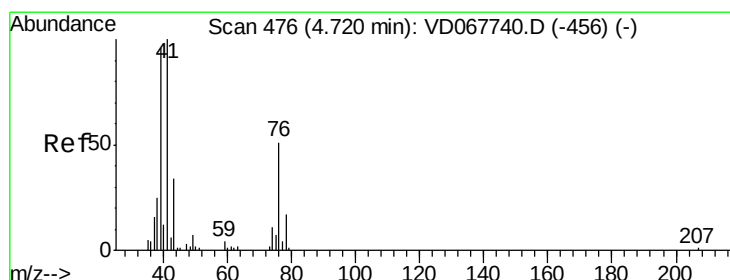
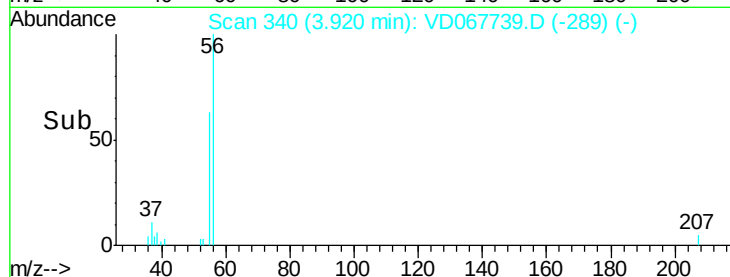
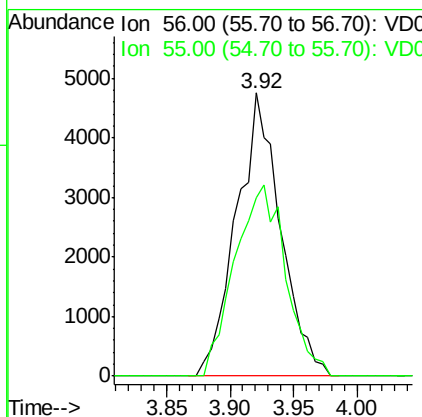
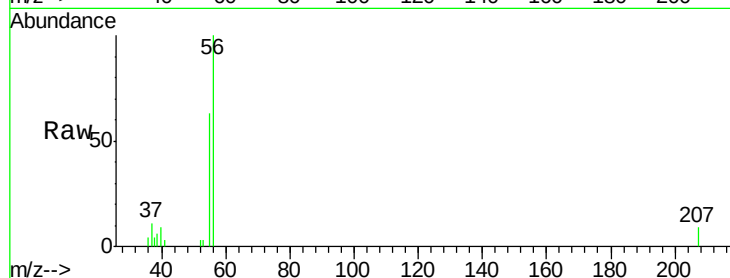
55 78.0 61.2 91.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.646 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

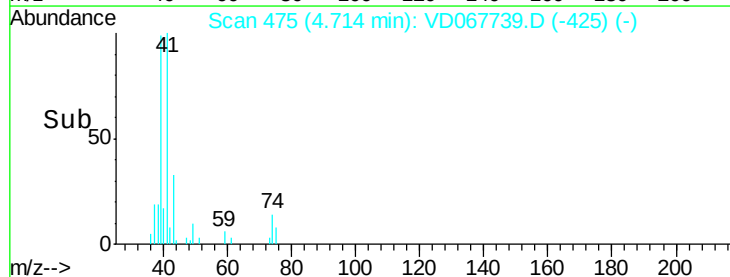
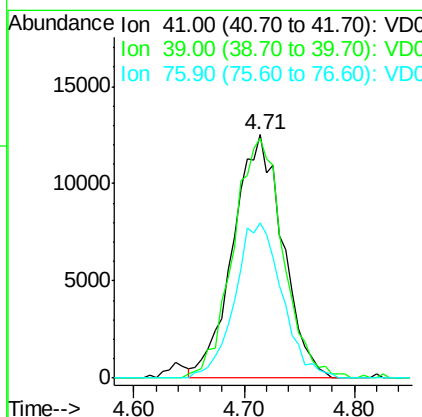
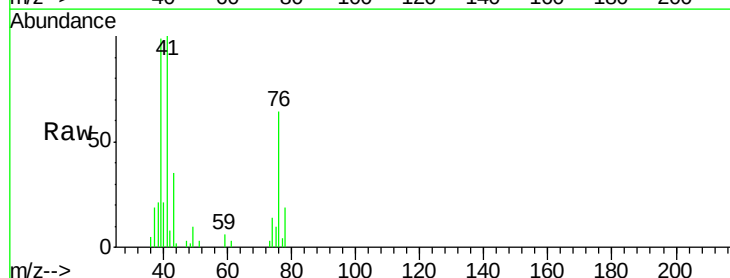
Tgt Ion: 41 Resp: 39411

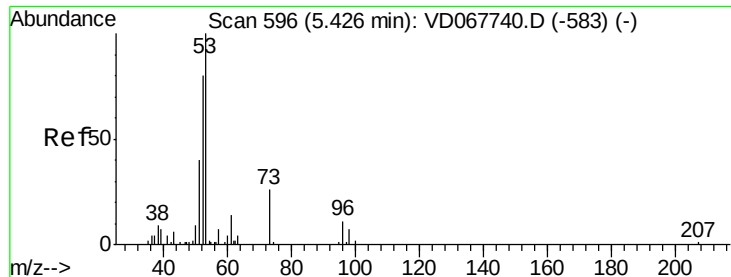
Ion Ratio Lower Upper

41 100

39 99.2 74.6 111.8

76 60.8 43.3 64.9





#15

Acrylonitrile

Concen: 102.521 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

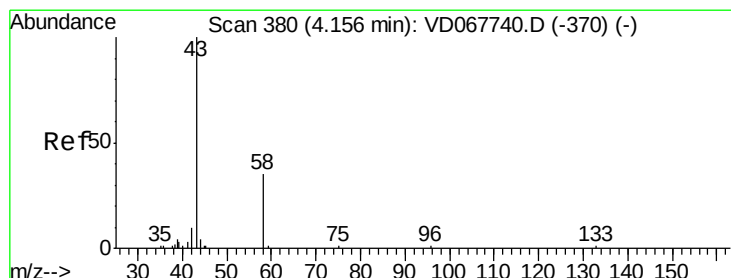
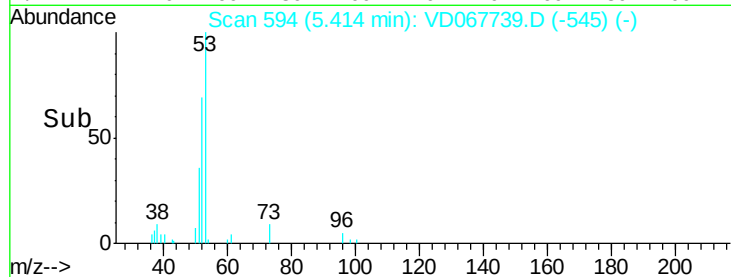
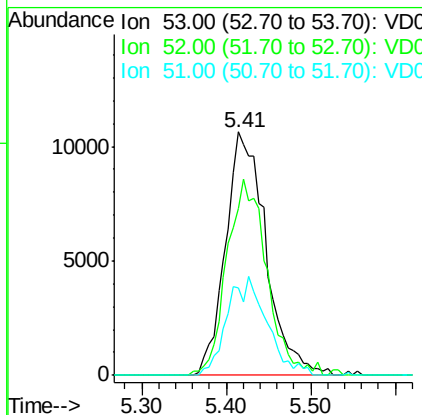
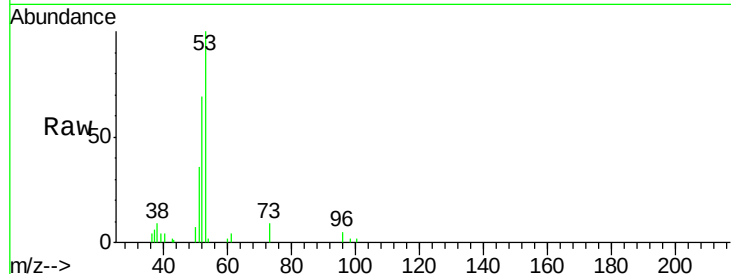
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	35203
Ion Ratio	Lower	Upper	
53	100		
52	79.7	63.4	95.2
51	18.3	31.4	47.2#

Manual Integrations
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#16

Acetone

Concen: 94.625 ug/l

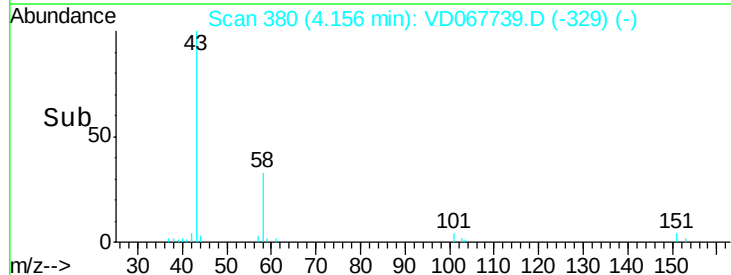
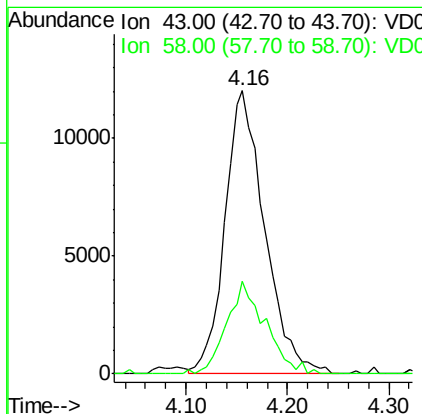
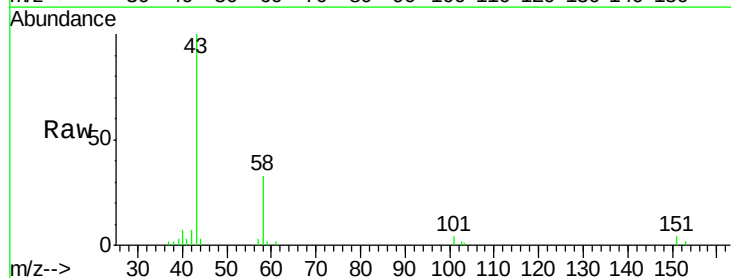
RT: 4.16 min Scan# 380

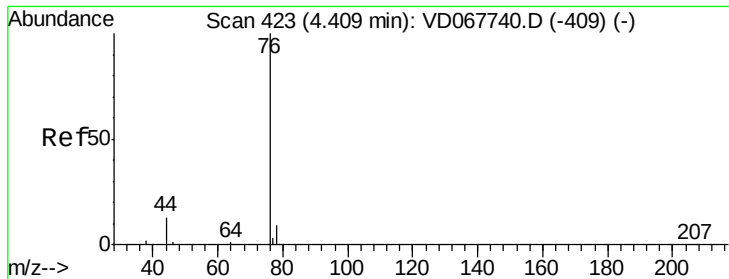
Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Tgt Ion:	43	Resp:	32684
Ion Ratio	Lower	Upper	
43	100		
58	32.7	27.6	41.4





#17

Carbon Disulfide

Concen: 19.716 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 127099

Ion Ratio Lower Upper

76 100

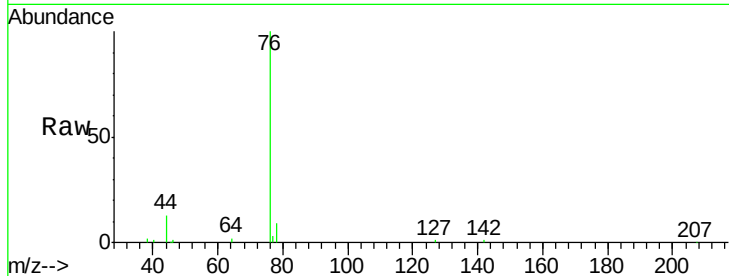
78 8.7 7.5 11.3

Manual Integrations

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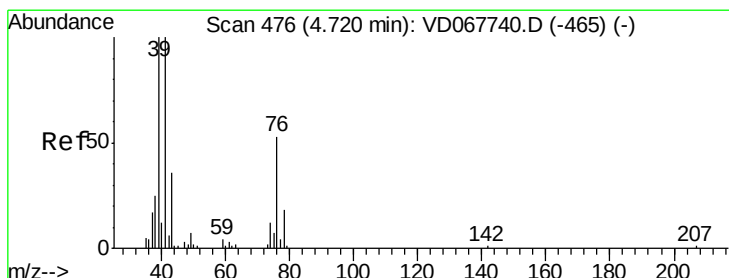
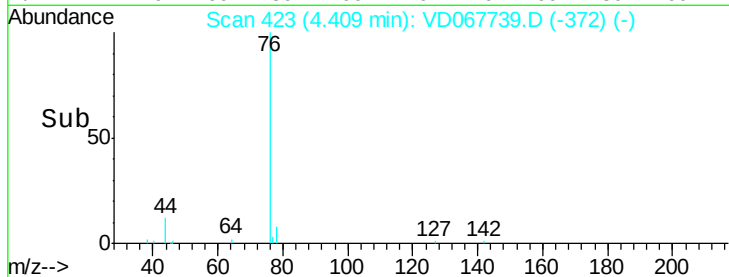
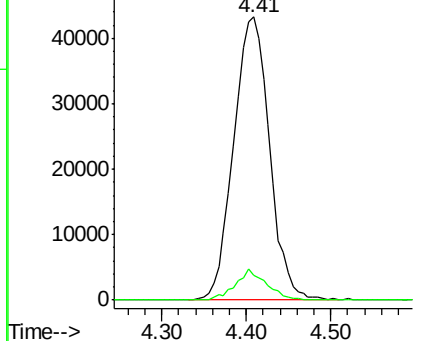
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.582 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067739.D

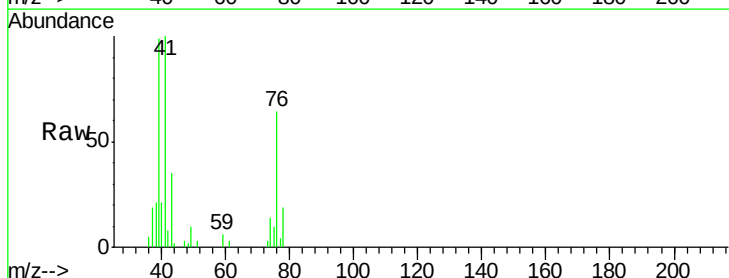
Acq: 23 Nov 2020 11:50

Tgt Ion: 43 Resp: 13053

Ion Ratio Lower Upper

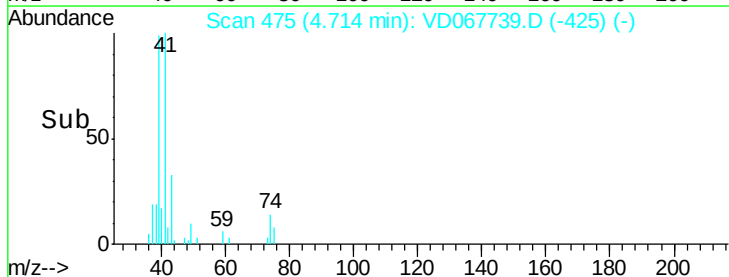
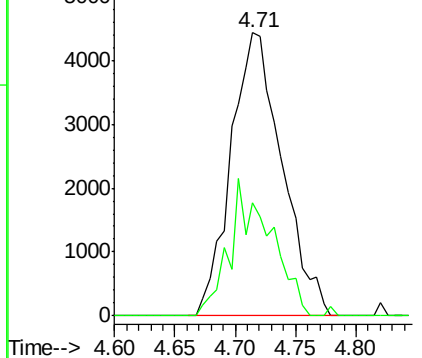
43 100

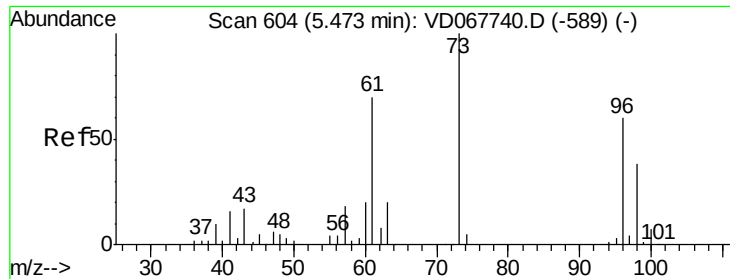
74 38.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





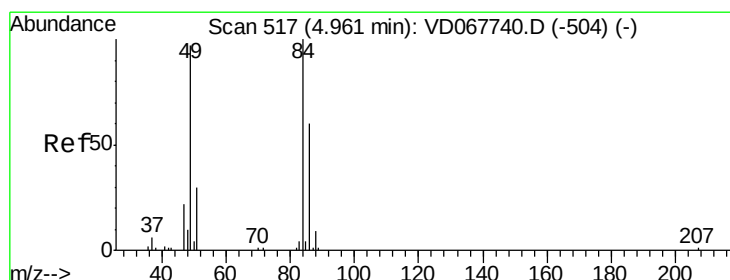
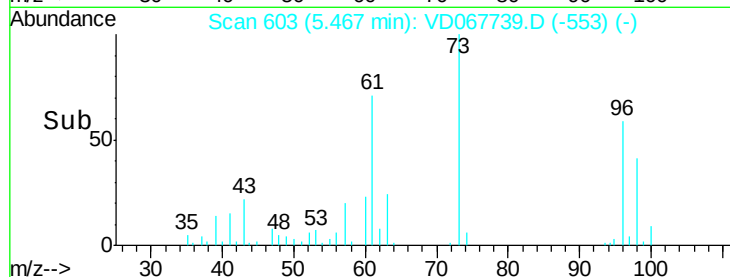
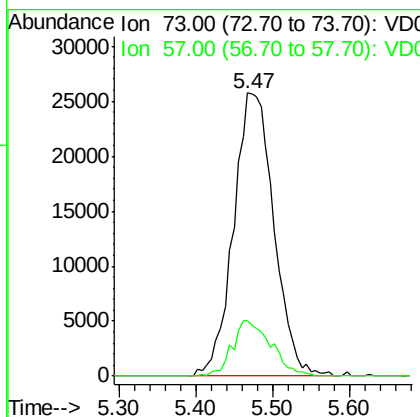
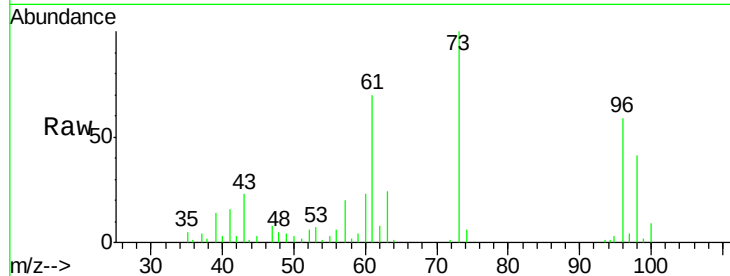
#19
Methyl tert-butyl Ether
Concen: 20.089 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion: 73 Resp: 94503
Ion Ratio Lower Upper
73 100
57 19.8 14.8 22.2

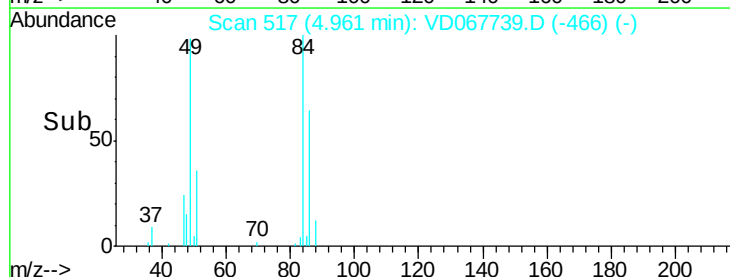
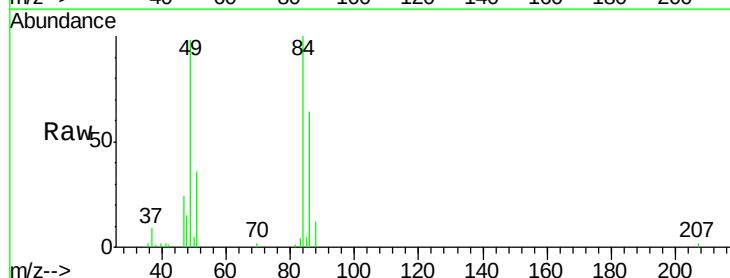
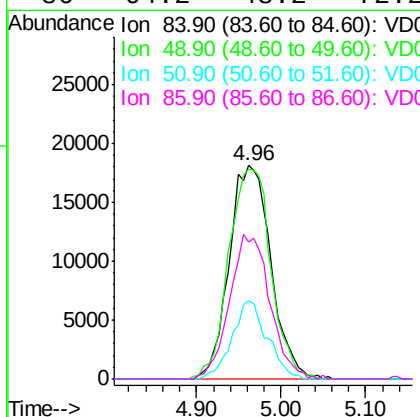
Manual Integrations
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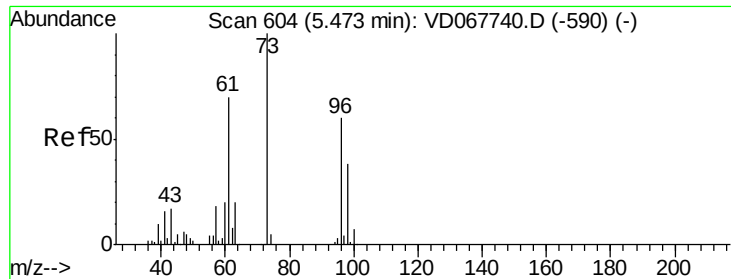
MMDadoda
11/24/2020 2:56:29 PM



#20
Methylene Chloride
Concen: 18.097 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 84 Resp: 61967
Ion Ratio Lower Upper
84 100
49 98.4 77.4 116.2
51 36.5 24.1 36.1#
86 64.2 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 19.879 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

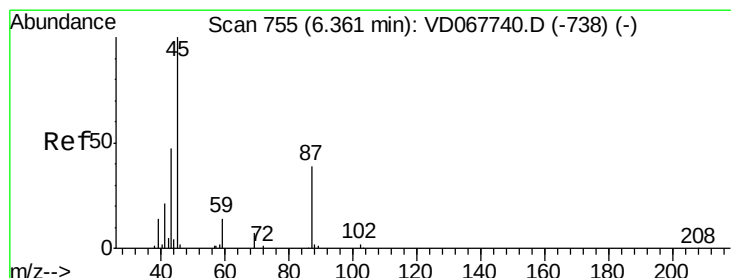
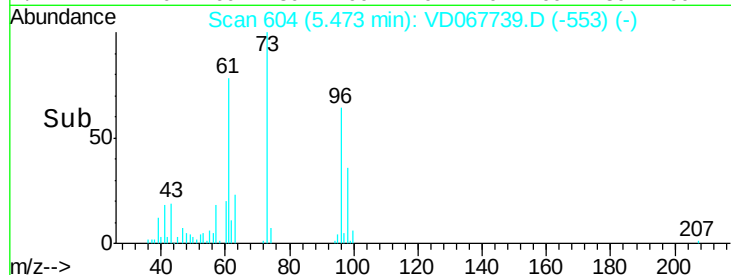
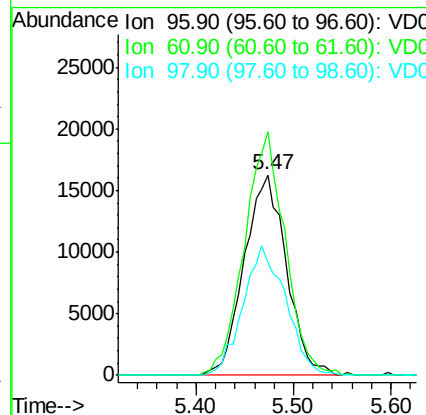
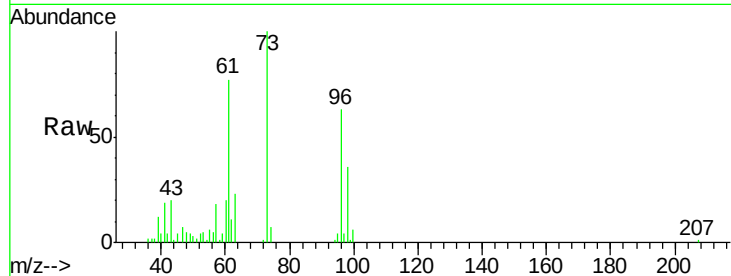
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	48946
Ion	Ratio	Lower	Upper
96	100		
61	121.5	94.0	141.0
98	56.4	51.3	76.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.634 ug/l

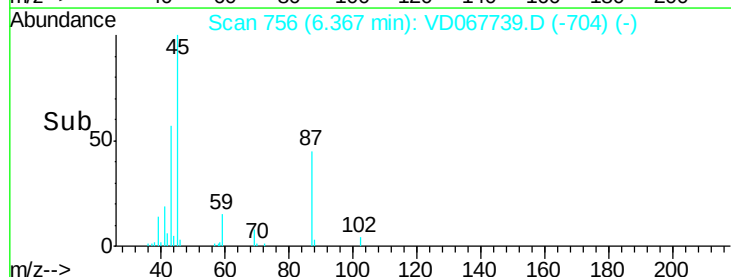
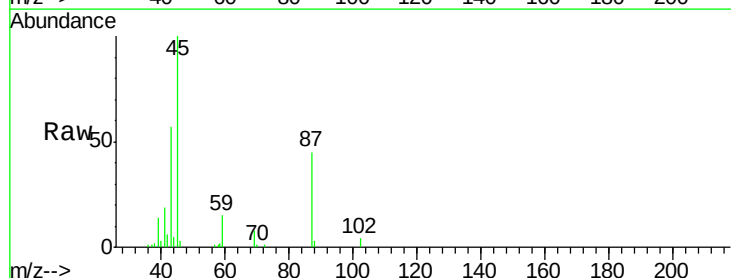
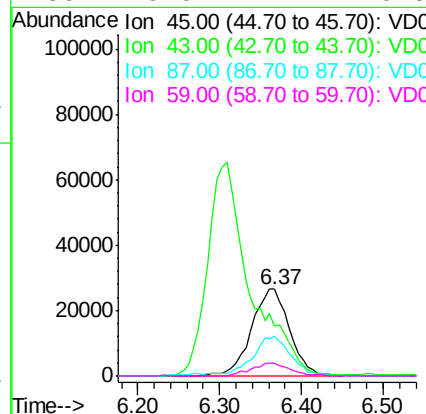
RT: 6.37 min Scan# 756

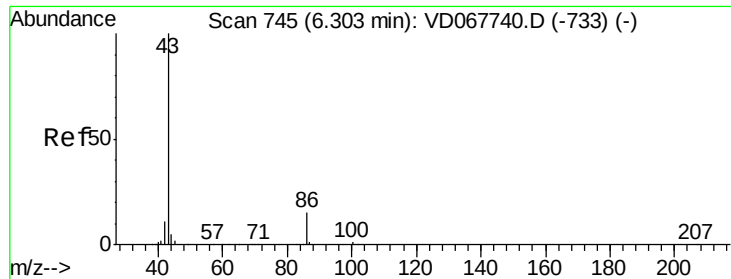
Delta R.T. 0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Tgt Ion:	45	Resp:	85837
Ion	Ratio	Lower	Upper
45	100		
43	55.9	46.8	70.2
87	43.8	32.9	49.3
59	15.0	11.2	16.8





#23

Vinyl Acetate

Concen: 100.579 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 237578

Ion Ratio Lower Upper

43 100

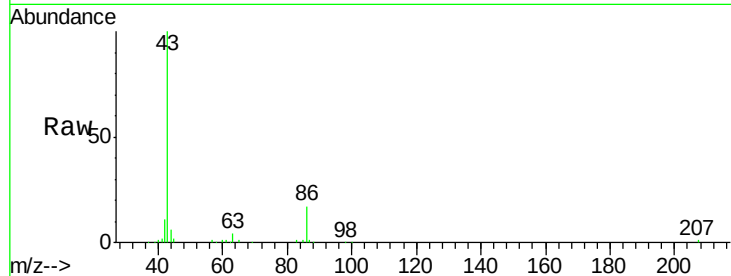
86 16.5 11.7 17.5

Manual Integrations

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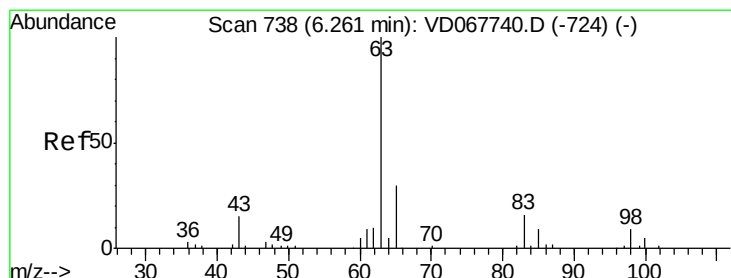
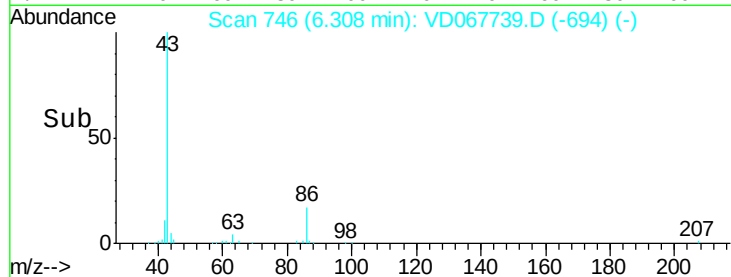
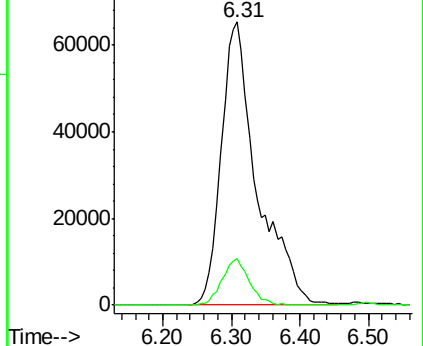
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.150 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

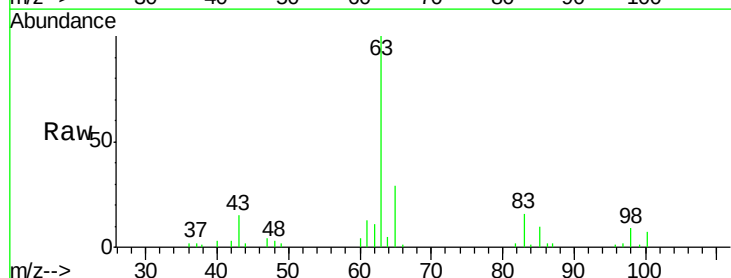
Tgt Ion: 63 Resp: 72540

Ion Ratio Lower Upper

63 100

98 9.3 4.4 13.2

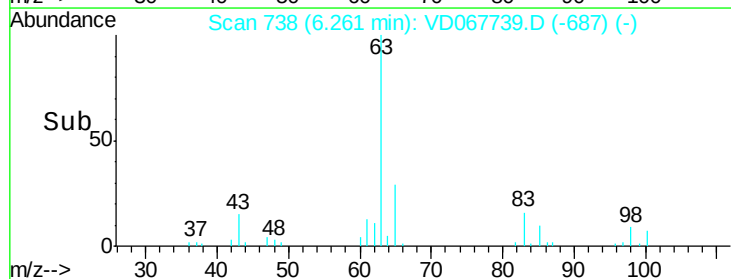
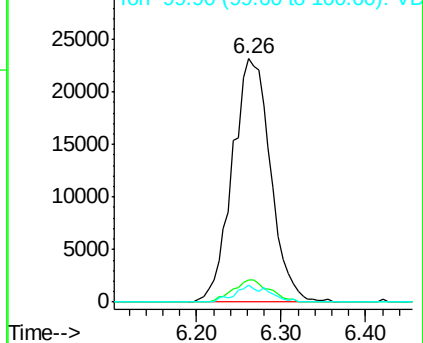
100 6.8 2.6 8.0

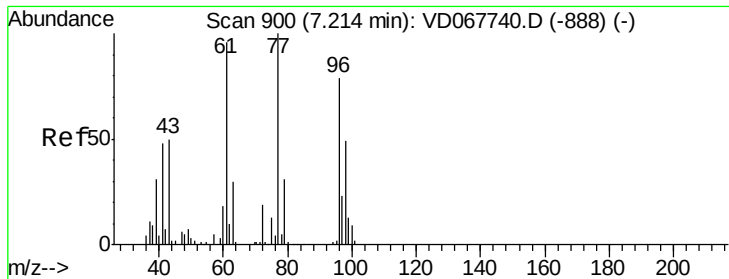


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.629 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 36373

Ion Ratio Lower Upper

43 100

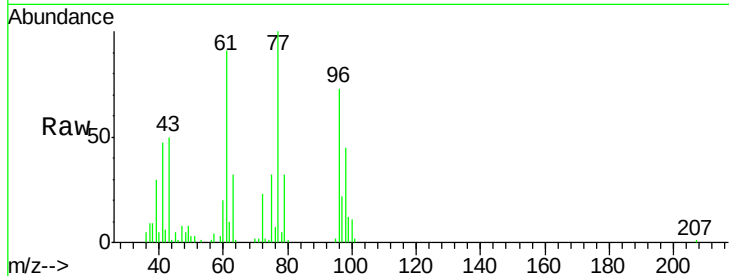
72 47.1 30.8 46.2#

Manual Integrations

APPROVED

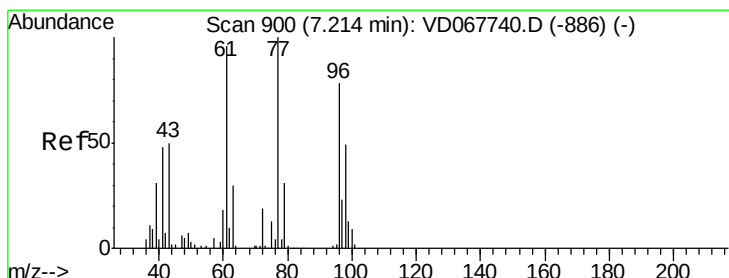
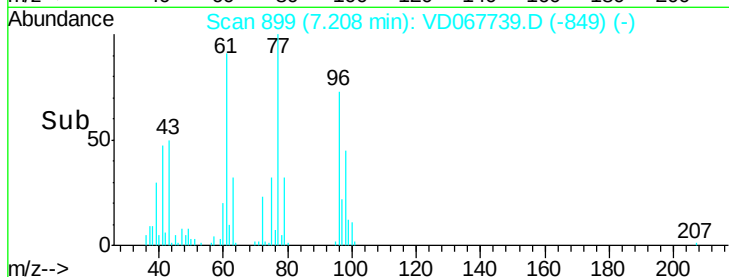
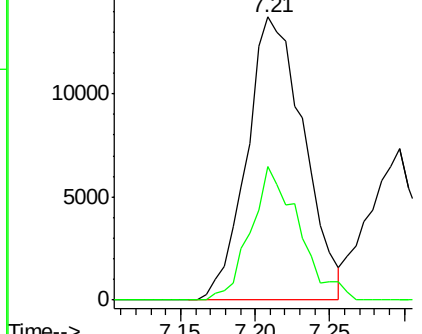
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.488 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067739.D

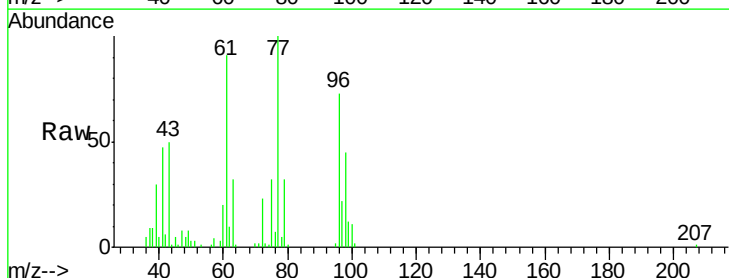
Acq: 23 Nov 2020 11:50

Tgt Ion: 77 Resp: 82143

Ion Ratio Lower Upper

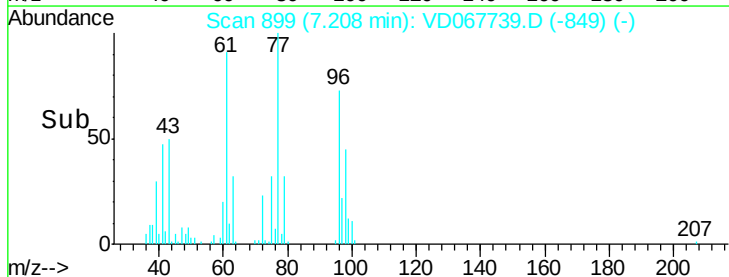
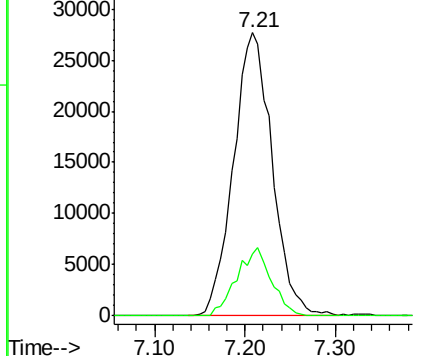
77 100

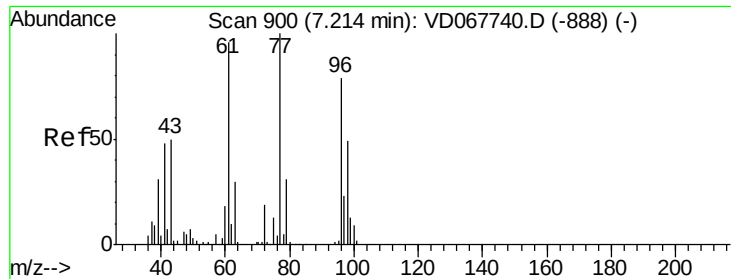
97 21.4 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

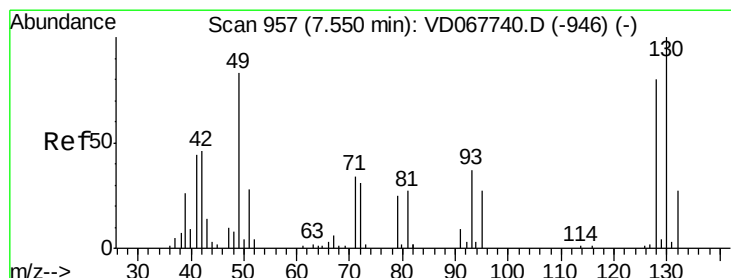
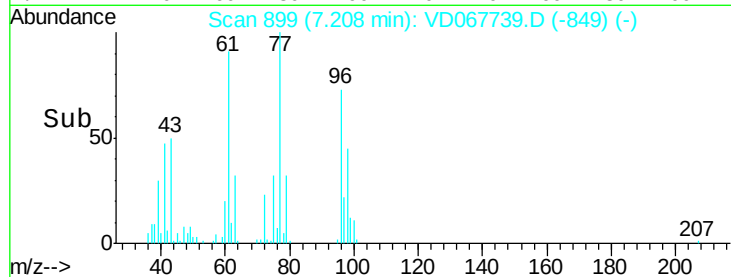
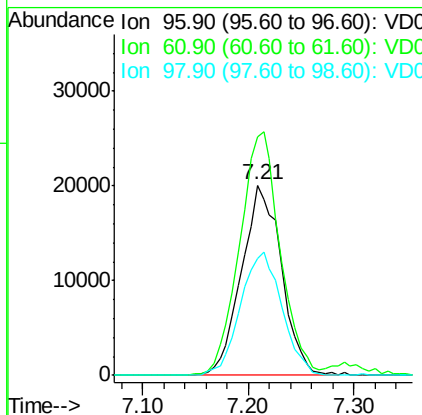
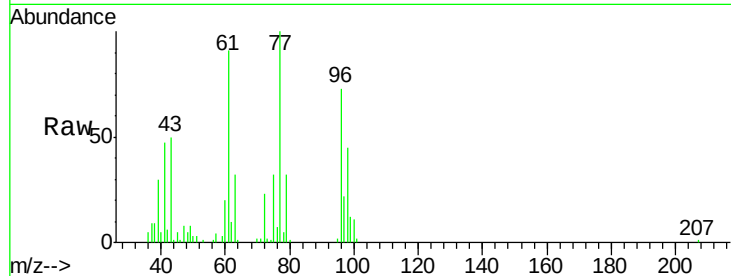
cis-1,2-Dichloroethene
Concen: 19.834 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	52705		
61	130.1		0.0	258.0
98	67.2		0.0	131.8

Manual Integrations
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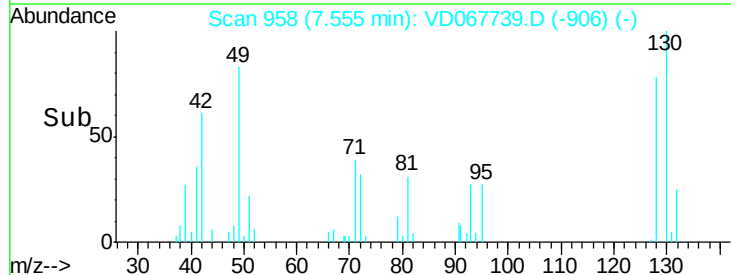
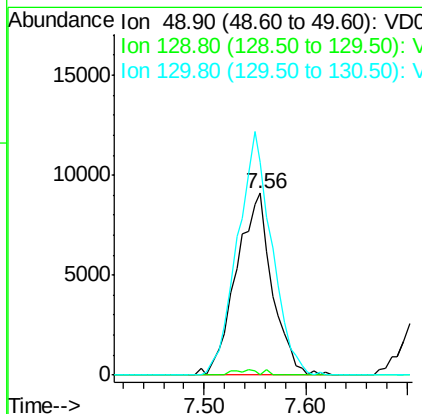
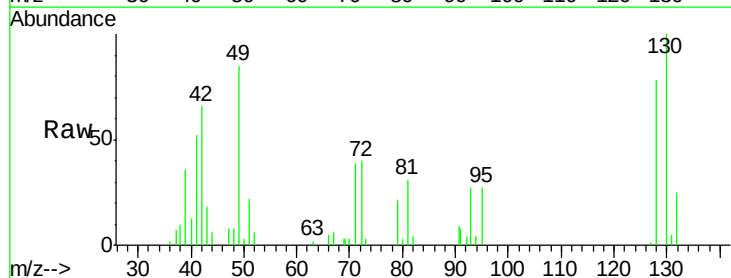
MMDadoda
11/24/2020 2:56:29 PM

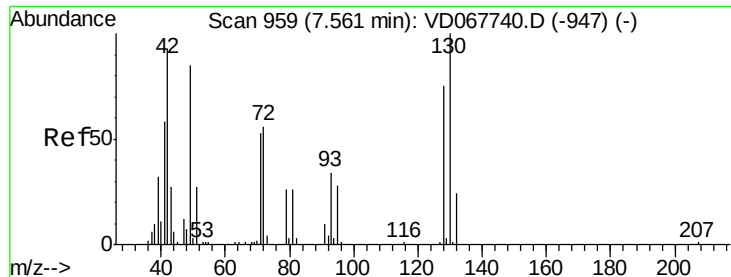


#28

Bromochloromethane
Concen: 19.490 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22404		
129	1.7		0.0	7.0
130	128.1		102.2	153.4





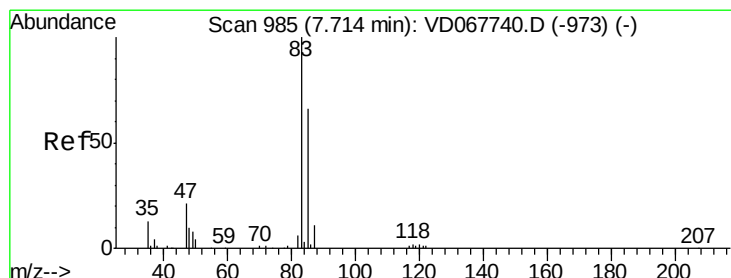
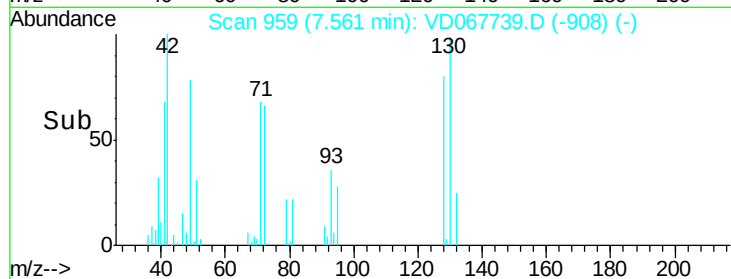
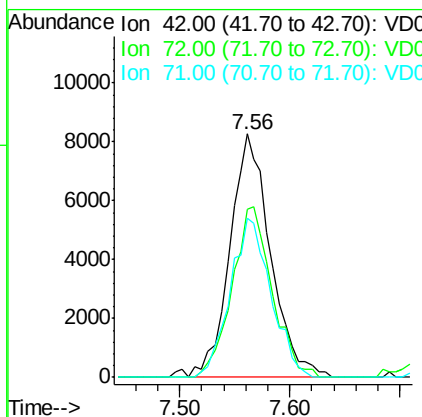
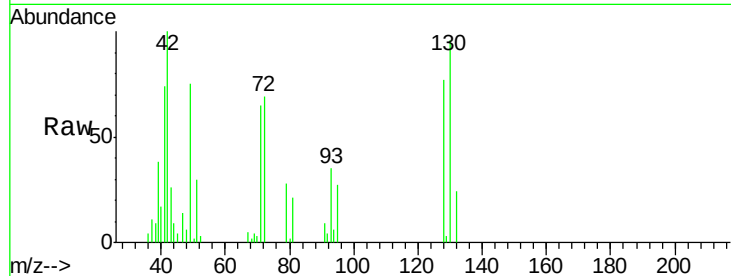
#29
Tetrahydrofuran
Concen: 98.260 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	69.2	49.3	73.9
71	65.5	45.9	68.9

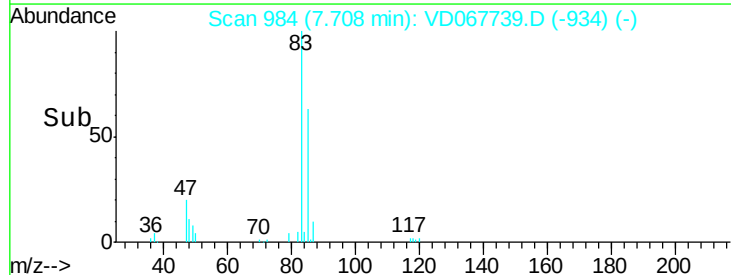
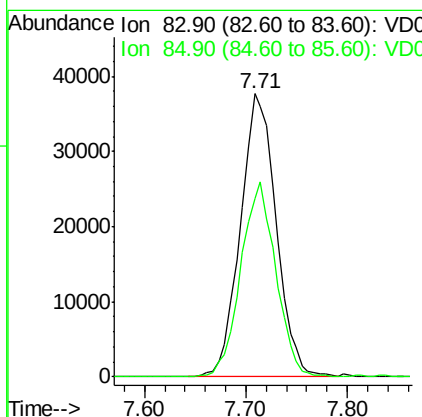
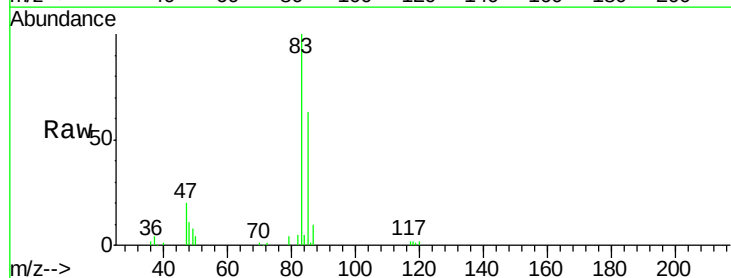
Manual Integrations
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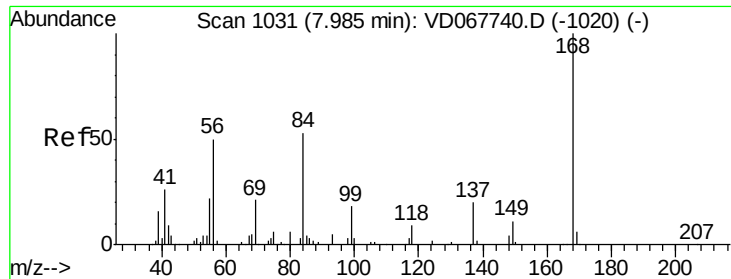
MMDadoda
11/24/2020 2:56:29 PM



#30
Chloroform
Concen: 19.726 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.1	79.7





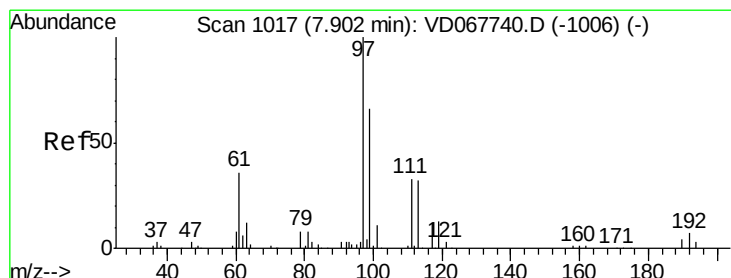
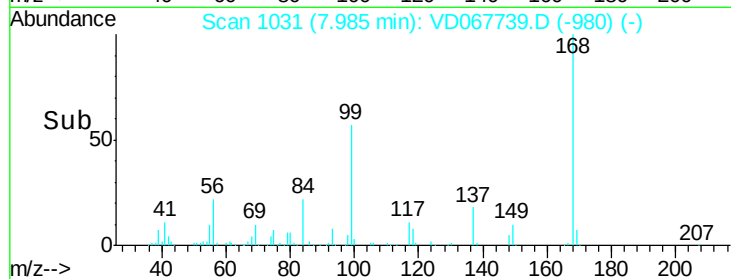
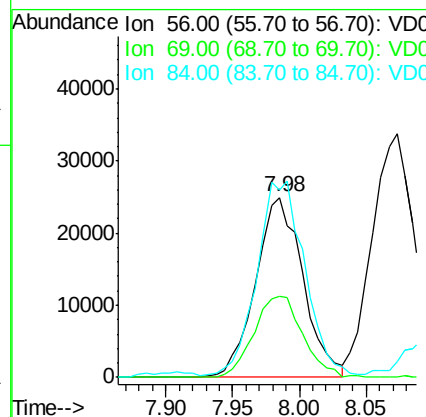
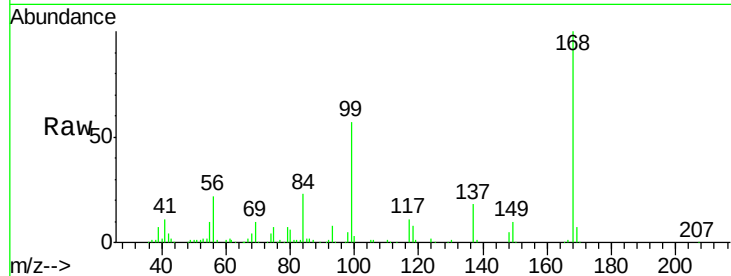
#31
Cyclohexane
Concen: 19.687 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	61280
Ion Ratio	Lower	Upper	
56	100		
69	45.0	33.2	49.8
84	102.0	84.8	127.2

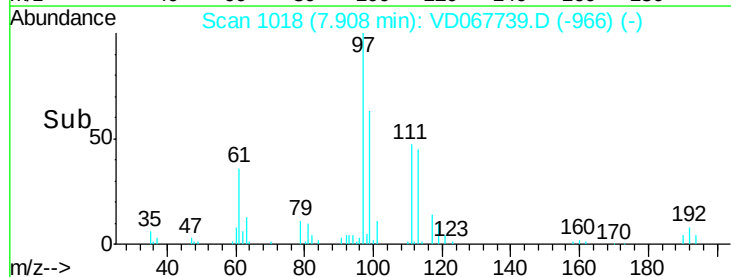
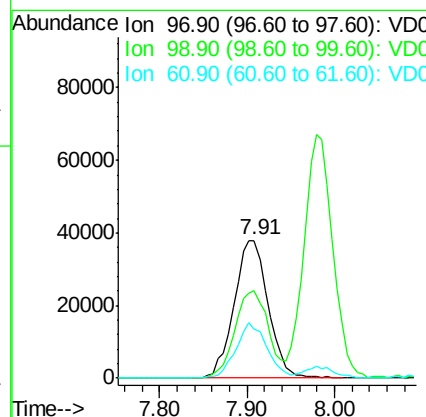
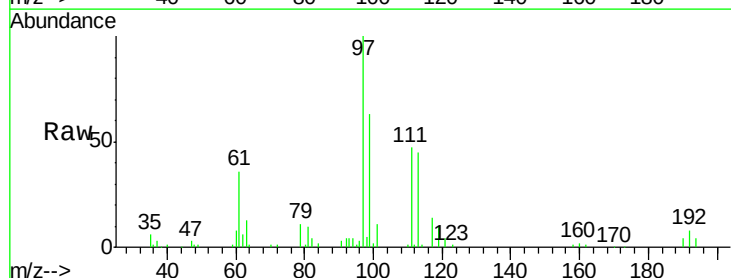
Manual Integrations
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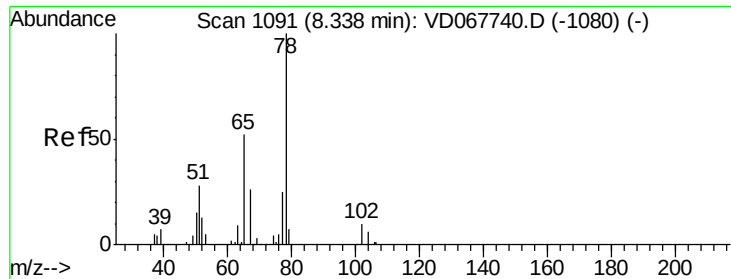
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.083 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	97	Resp	99906
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.1	76.7
61	36.7	29.4	44.2





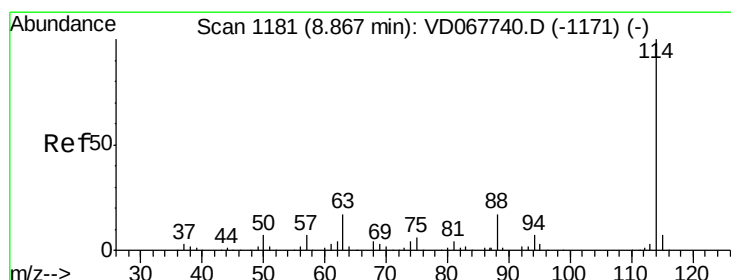
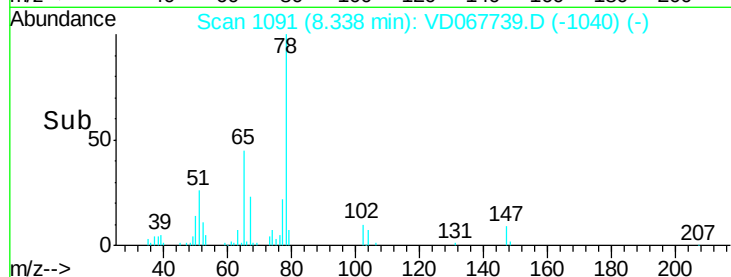
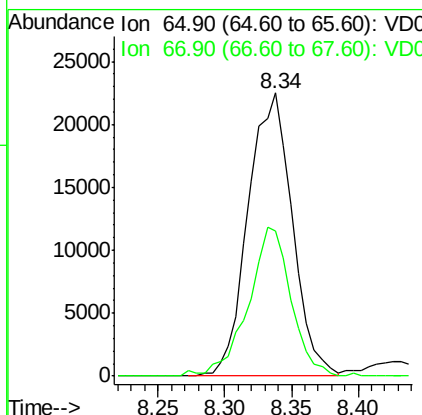
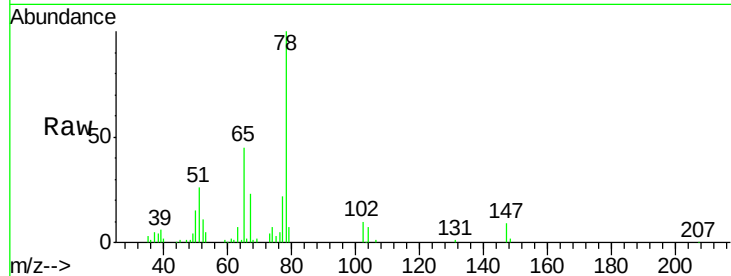
#33
 1,2-Dichloroethane-d4
 Concen: 19.787 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.0

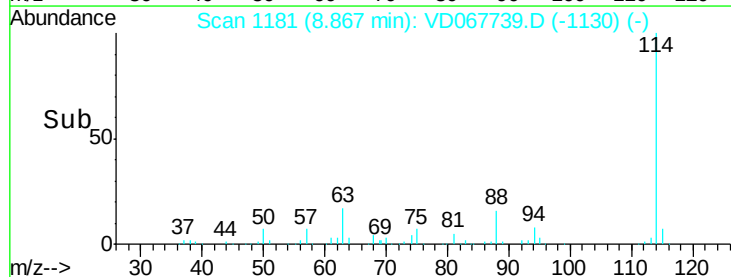
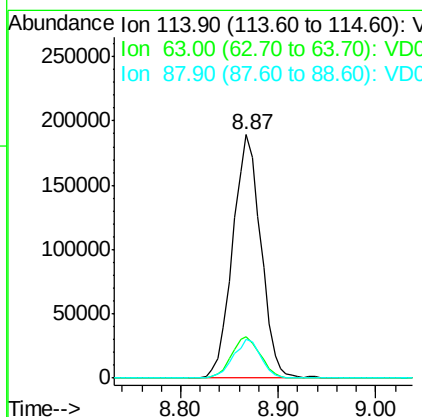
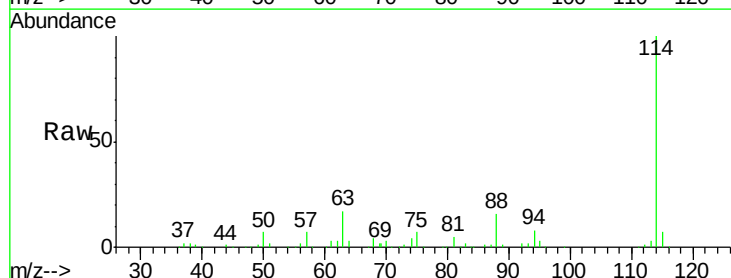
Manual Integrations
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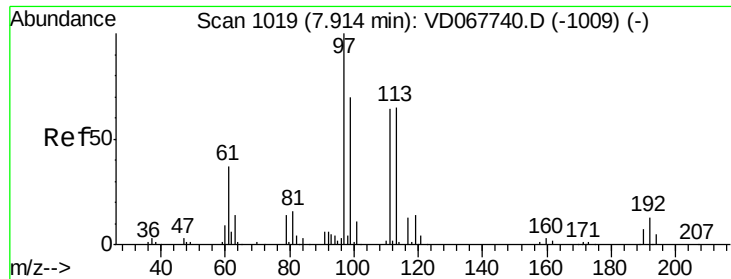
MMDadoda
 11/24/2020 2:56:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	34.8
88	16.2	0.0	34.4





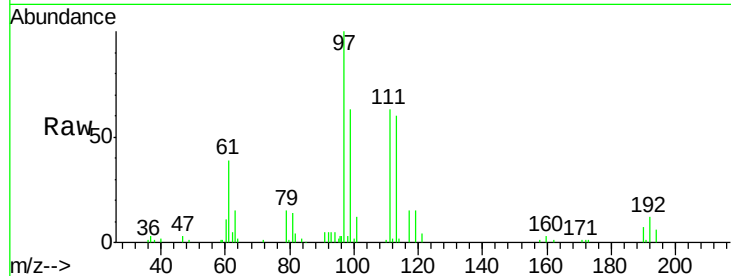
#35
Dibromofluoromethane
Concen: 19.308 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

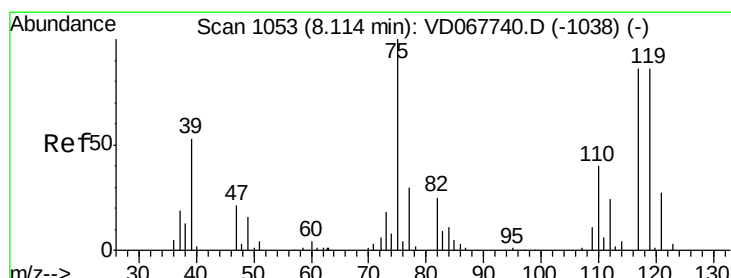
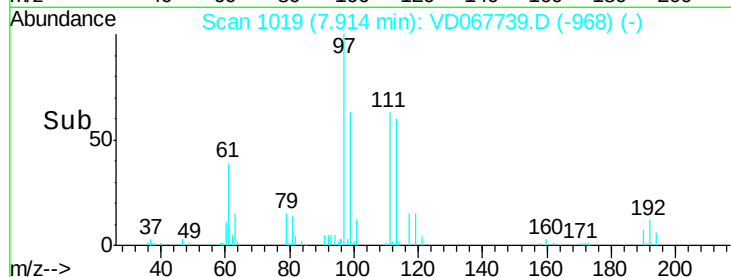
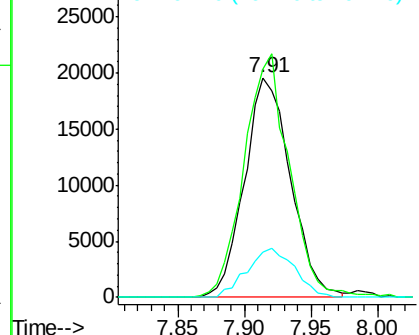
Tot Ion	Ratio	Lower	Upper
113	100		
111	109.1	81.4	122.0
192	23.0	17.0	25.4

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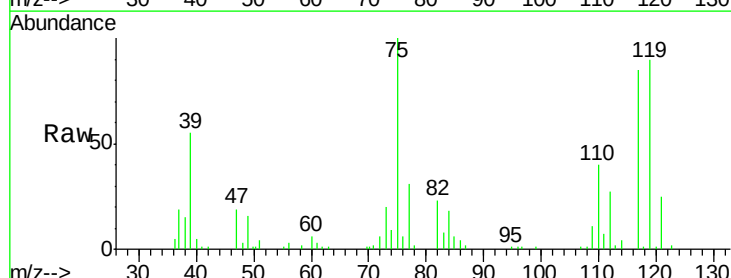


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

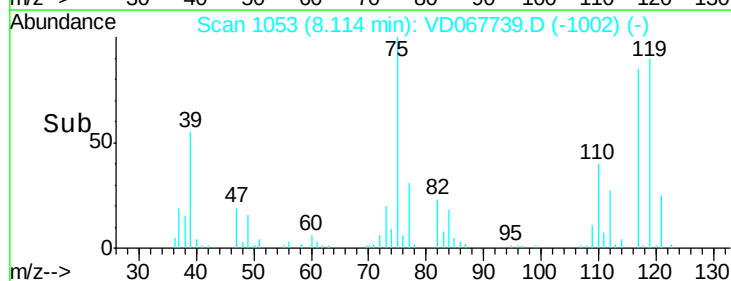
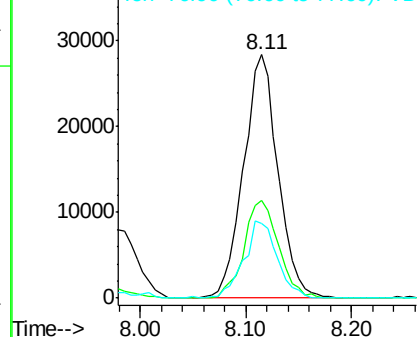


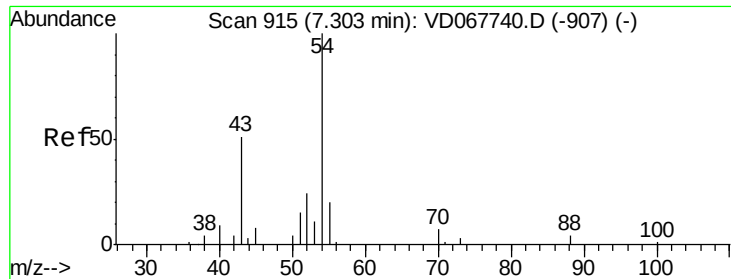
#36
1,1-Dichloropropene
Concen: 19.585 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.0	20.1	60.2
77	30.5	24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





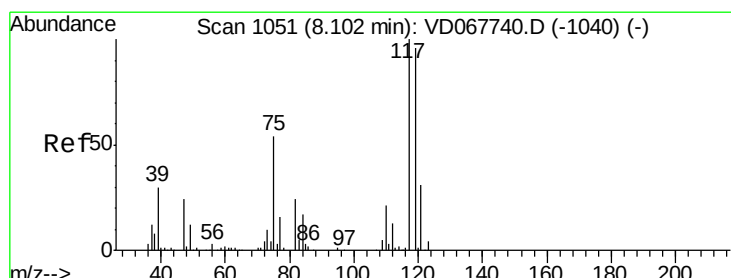
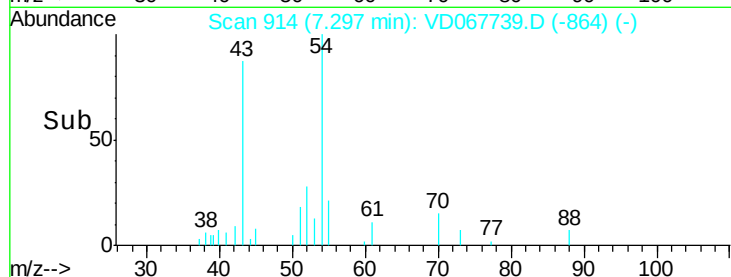
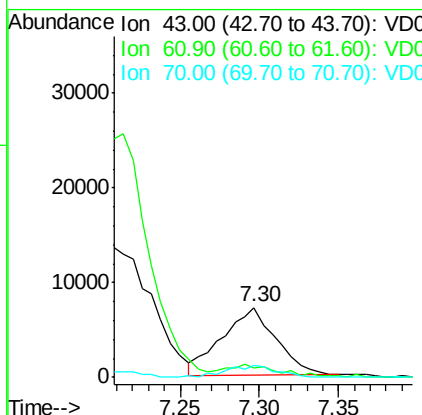
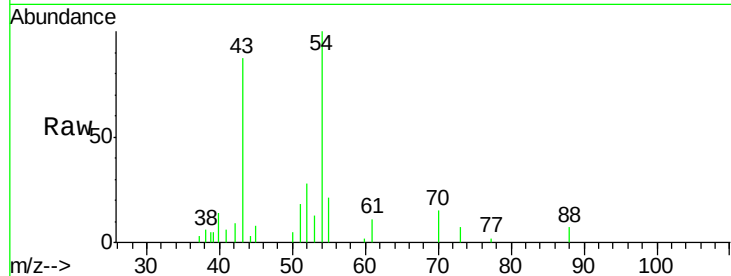
#37
Ethyl Acetate
Concen: 19.561 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	16877
Ion	Ratio	Lower	Upper
43	100		
61	19.2	12.9	19.3
70	16.4	12.2	18.2

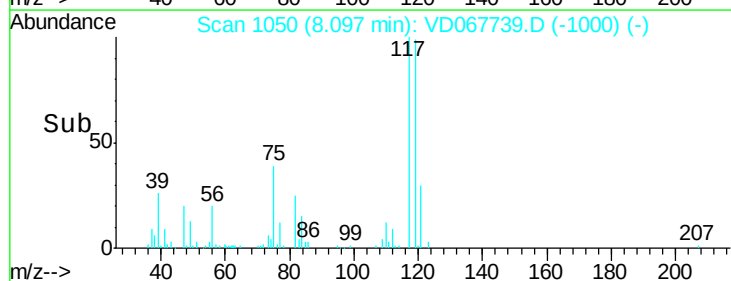
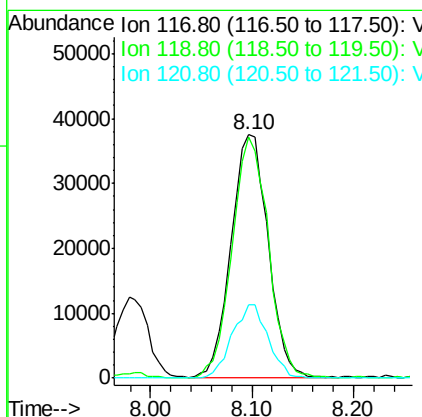
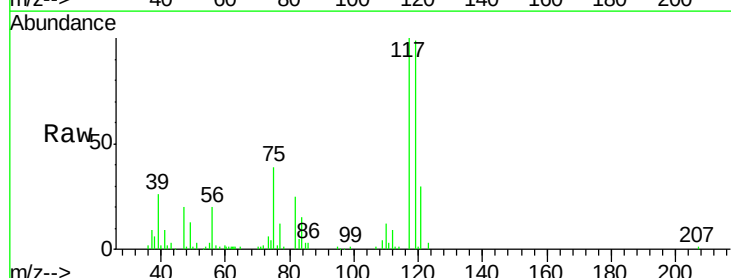
Manual Integrations
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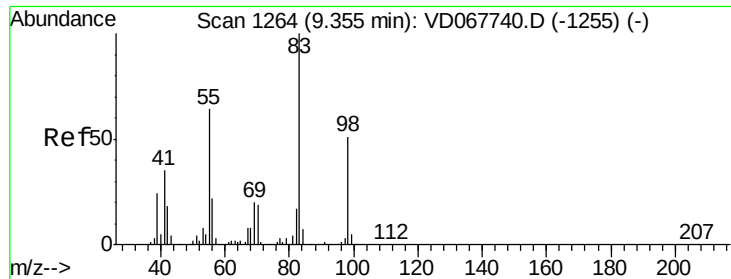
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#38
Carbon Tetrachloride
Concen: 19.874 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	117	Resp	95781
Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.6	115.0
121	30.1	24.5	36.7





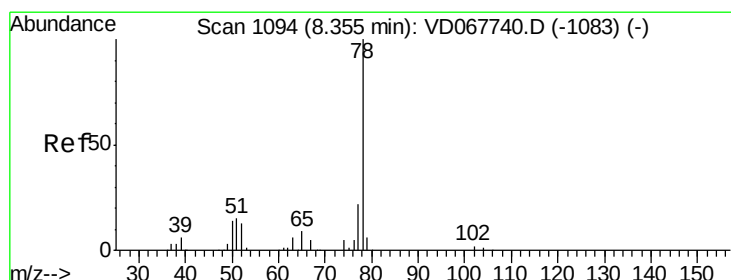
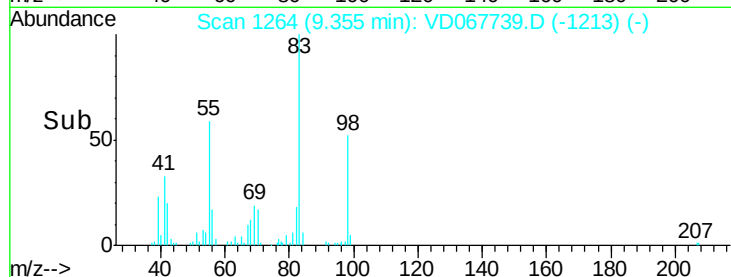
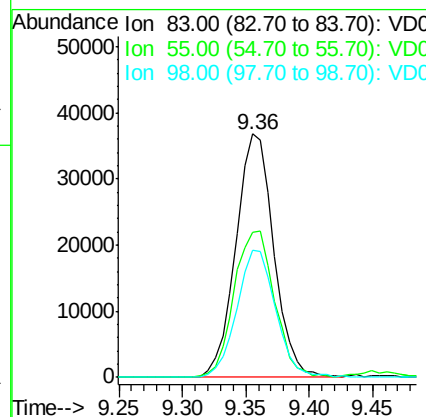
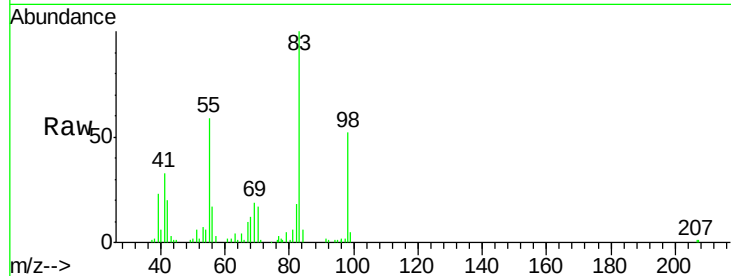
#39
Methylvlcyclohexane
Concen: 19.528 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	59.3	51.0	76.4
98	52.3	40.4	60.6

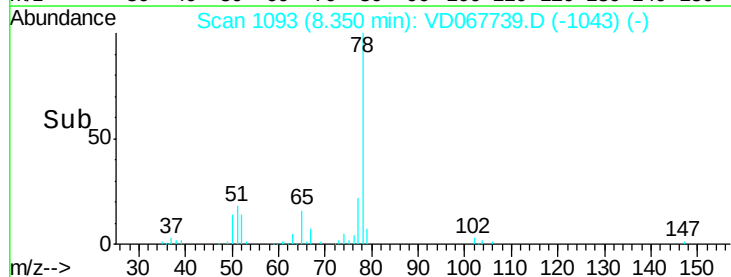
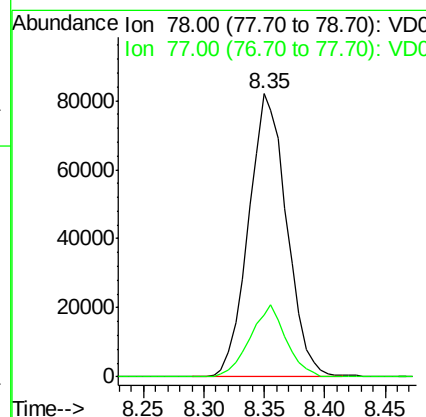
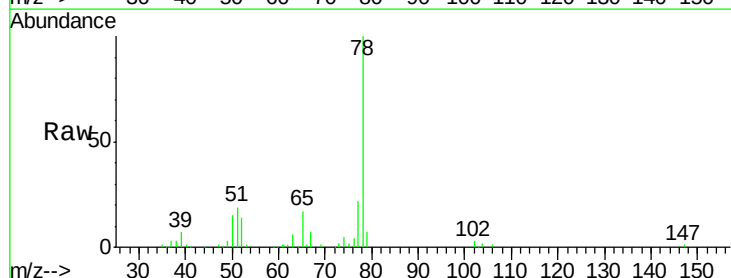
Manual Integrations
APPROVED

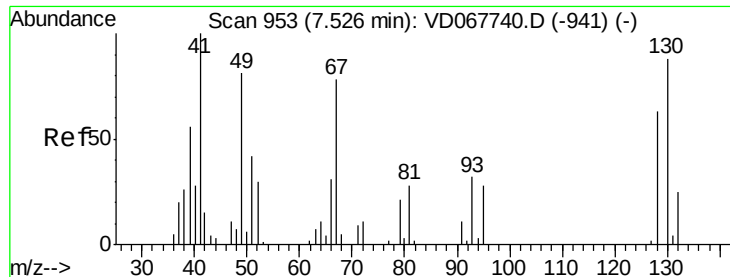
MMDadoda
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#40
Benzene
Concen: 20.018 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	17.8	26.6





#41

Methacrylonitrile

Concen: 20.336 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 8149

Ion Ratio Lower Upper

41 100

39 0.0 50.2 75.4#

67 113.7 79.0 118.6

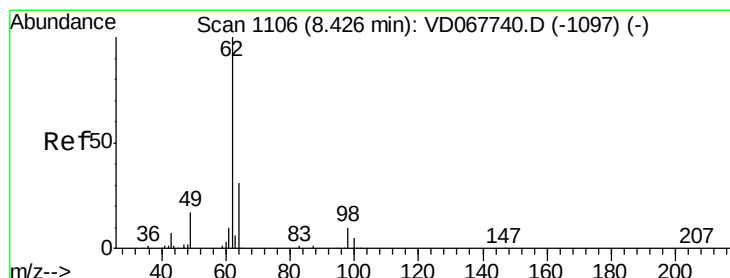
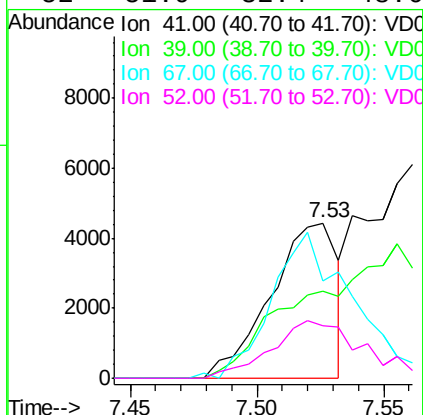
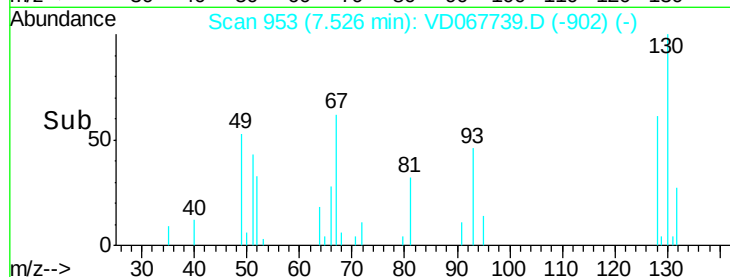
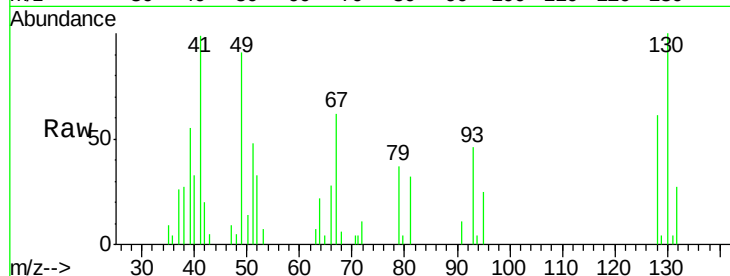
52 51.9 32.4 48.6#

Manual Integrations

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MMDadoda

11/24/2020 2:56:29 PM



#42

1,2-Dichloroethane

Concen: 20.471 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD067739.D

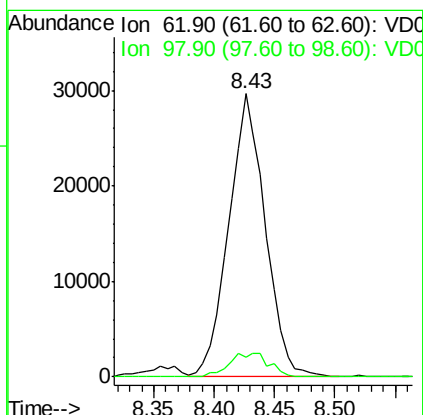
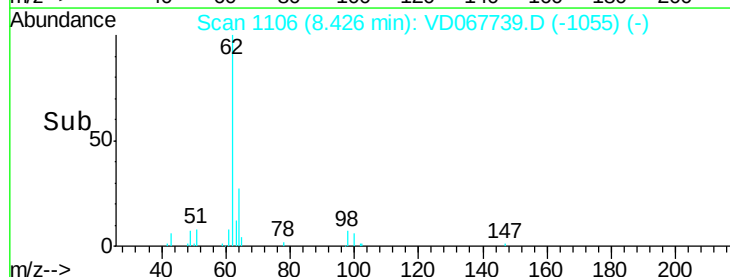
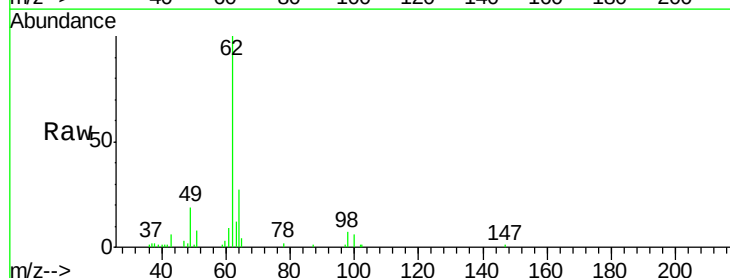
Acq: 23 Nov 2020 11:50

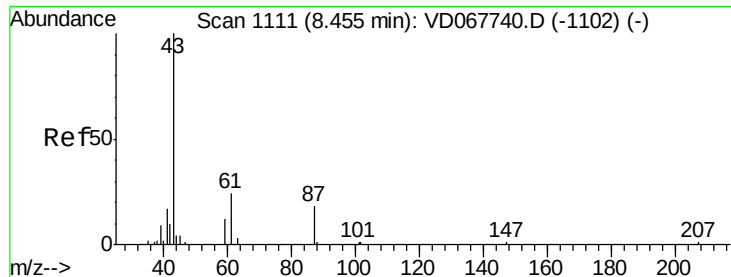
Tgt Ion: 62 Resp: 62295

Ion Ratio Lower Upper

62 100

98 9.1 0.0 18.2





#43

Isopropyl Acetate

Concen: 19.852 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

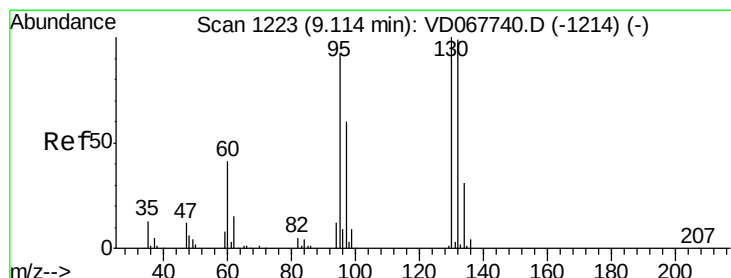
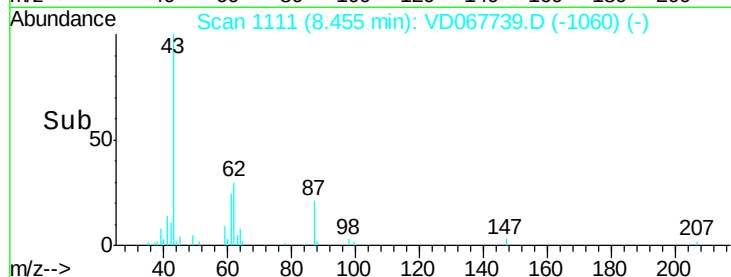
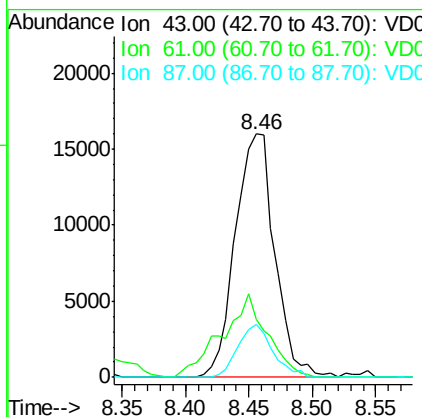
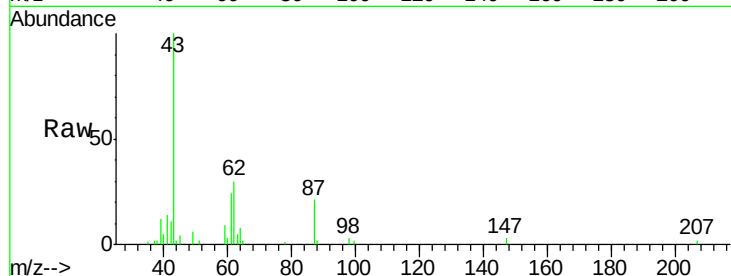
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	34658
Ion	Ratio	Lower	Upper
43	100		
61	39.3	30.2	45.4
87	19.0	14.2	21.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.809 ug/l

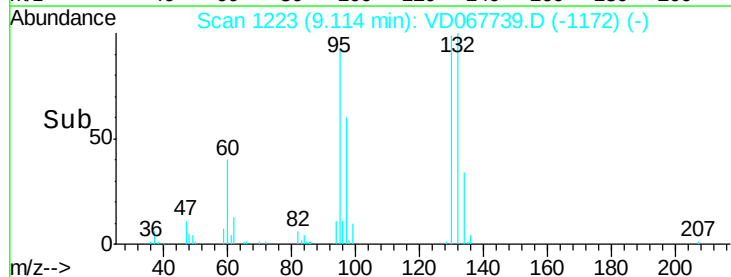
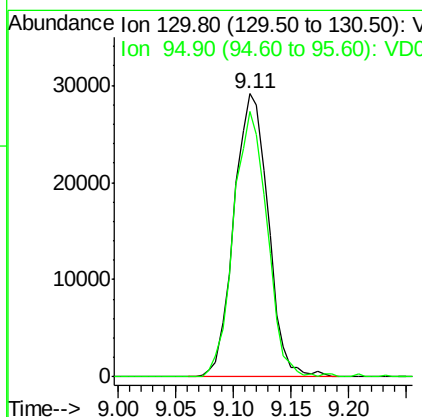
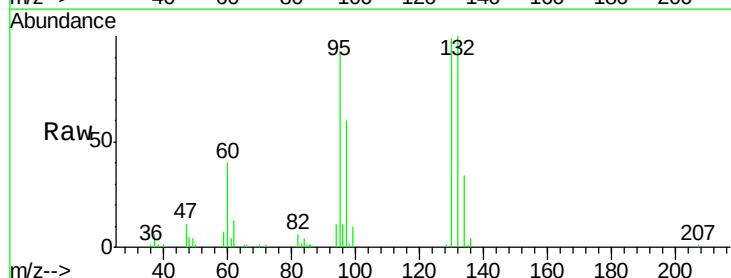
RT: 9.11 min Scan# 1223

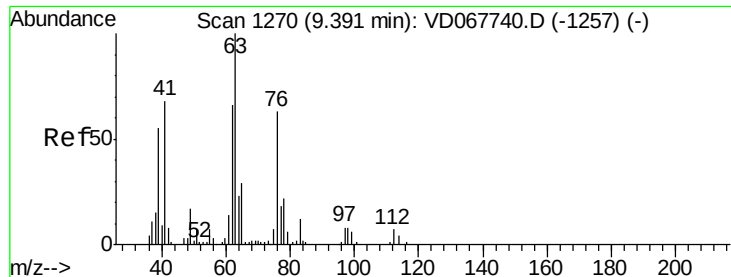
Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Tgt Ion:	130	Resp:	59822
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	184.2





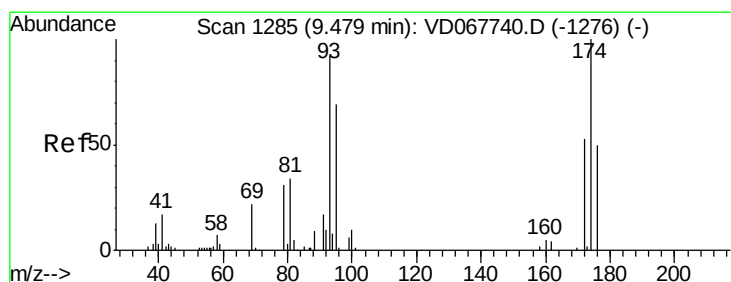
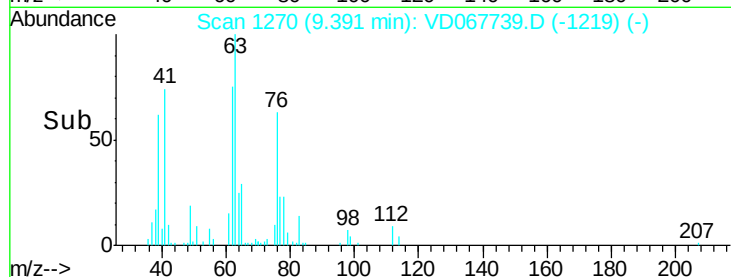
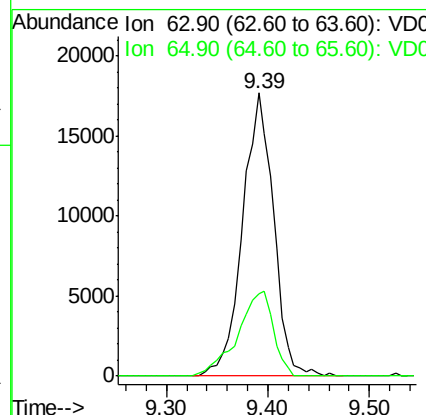
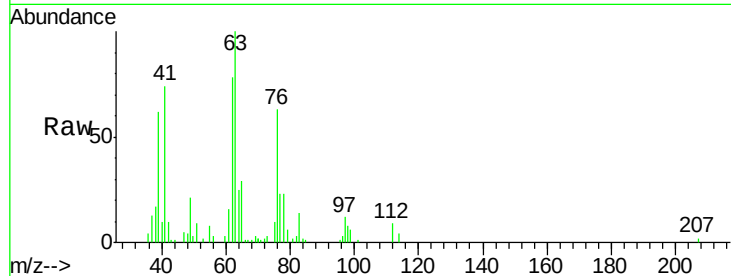
#45
 1,2-Dichloropropane
 Concen: 20.427 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 37620
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.1 34.7

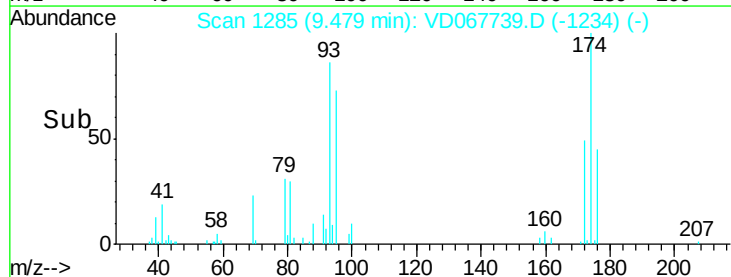
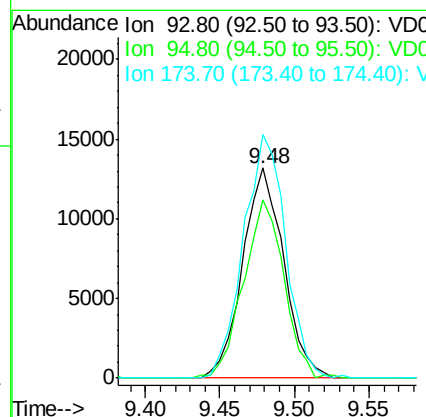
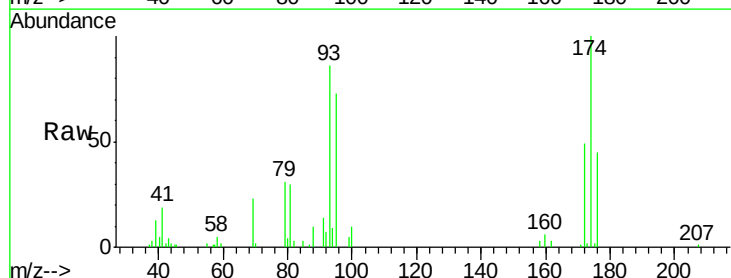
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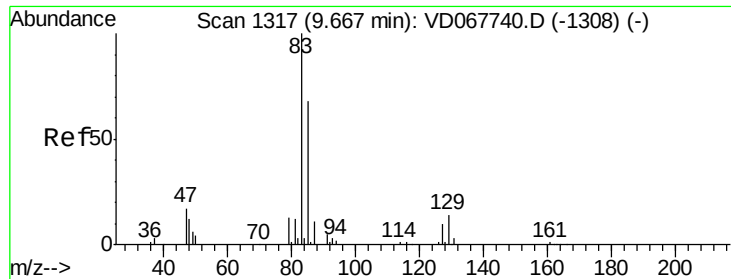
MMDadoda
 11/24/2020 2:56:29 PM



#46
 Dibromomethane
 Concen: 20.301 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion: 93 Resp: 25111
 Ion Ratio Lower Upper
 93 100
 95 83.5 63.4 95.2
 174 119.4 89.6 134.4





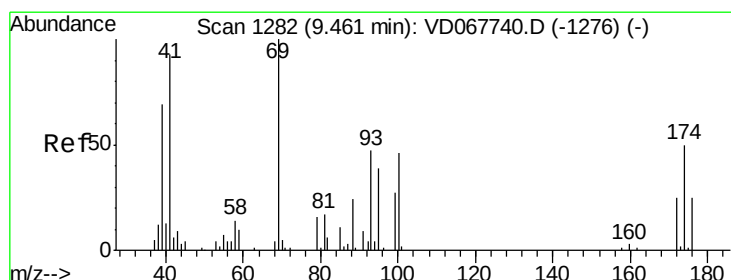
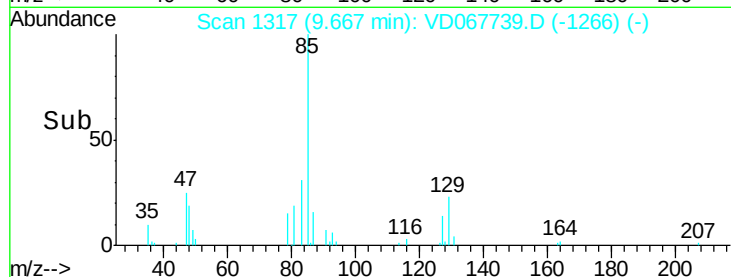
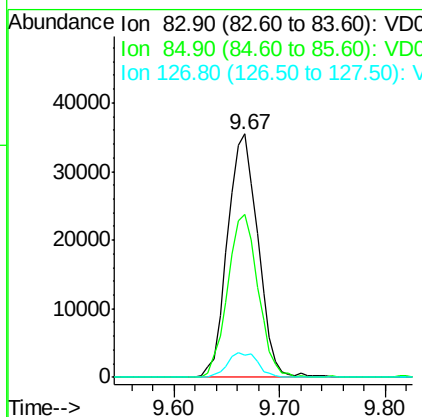
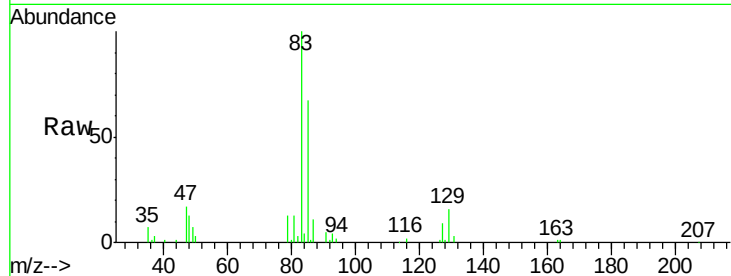
#47
Bromodichloromethane
Concen: 20.265 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	70851
Ion Ratio	100	Lower	Upper
83	100		
85	67.0	54.2	81.2
127	9.1	7.6	11.4

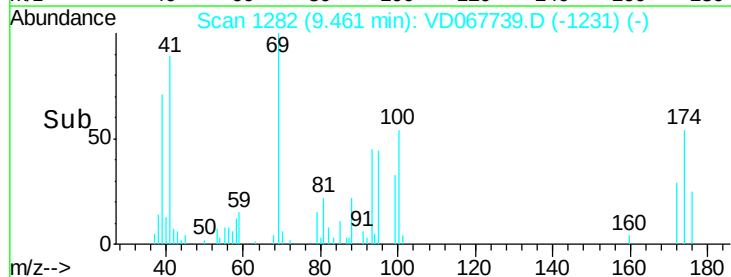
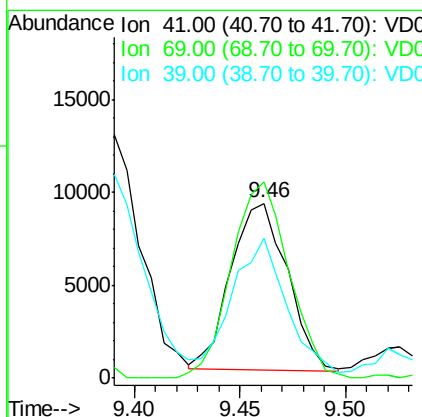
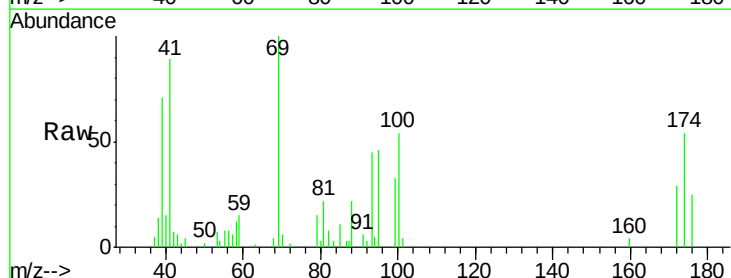
Manual Integrations
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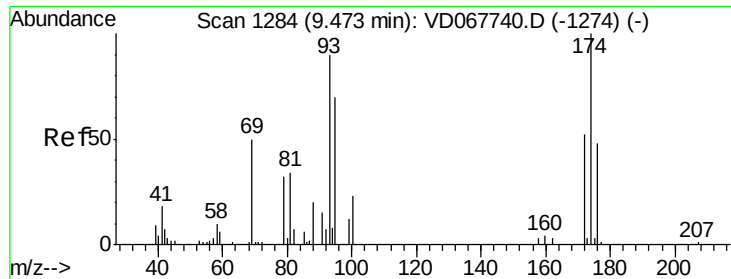
MMDadoda
11/24/2020 2:56:29 PM



#48
Methyl methacrylate
Concen: 19.354 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	41	Resp	16738
Ion Ratio	100	Lower	Upper
41	100		
69	119.8	87.8	131.6
39	83.9	60.5	90.7





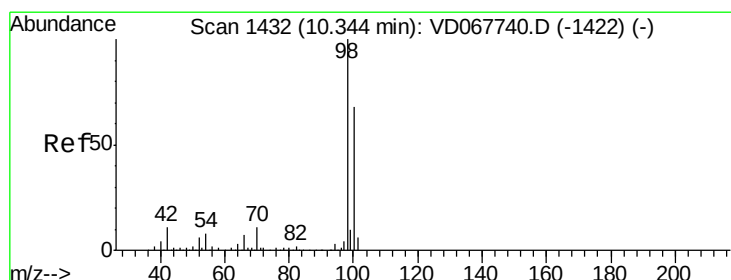
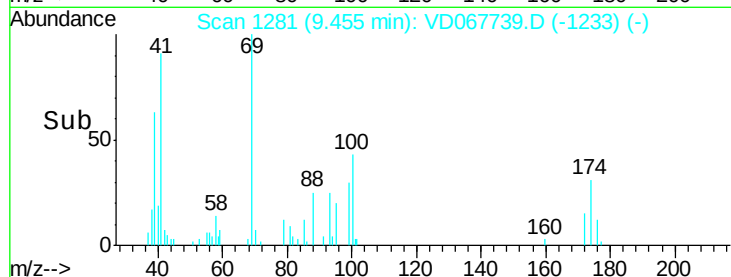
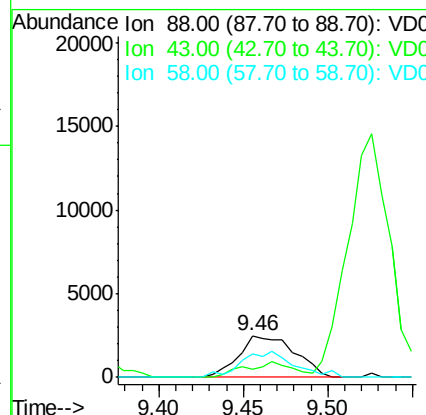
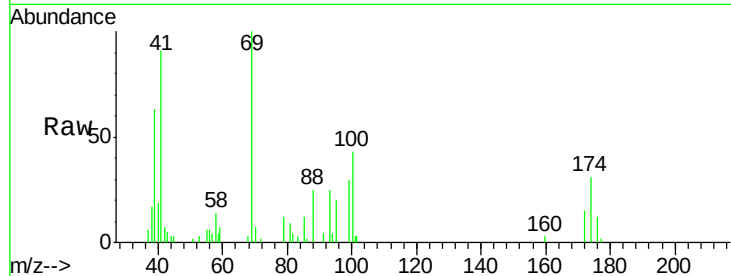
#49
1,4-Dioxane
Concen: 426.957 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.02 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	25.2	37.8
58	59.4	48.2	72.2

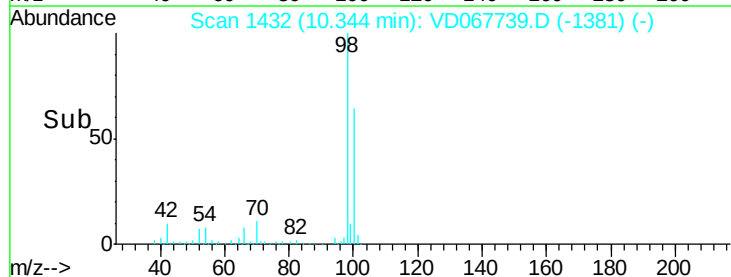
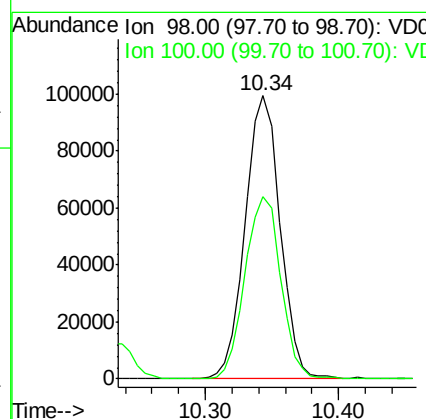
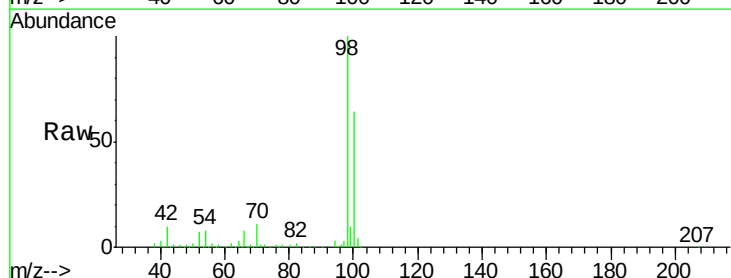
Manual Integrations
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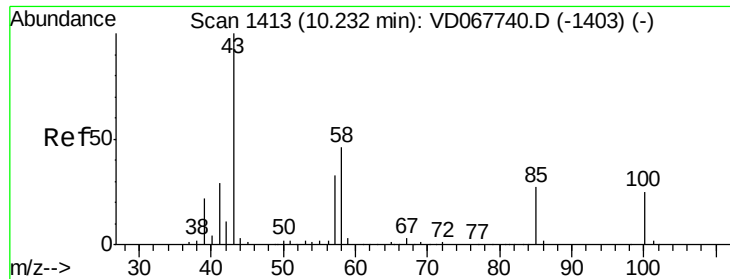
MMDadoda
11/24/2020 2:56:29 PM



#50
Toluene-d8
Concen: 20.418 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 106.104 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 86432

Ion Ratio Lower Upper

43 100

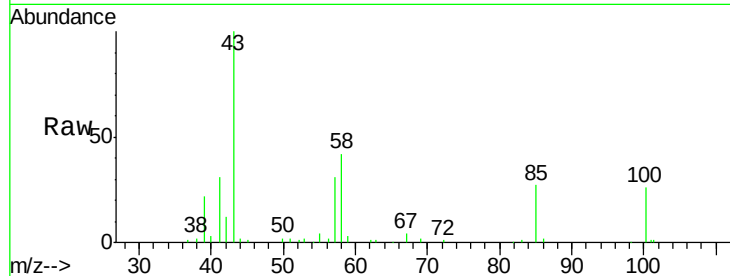
58 44.1 34.7 52.1

Manual Integrations

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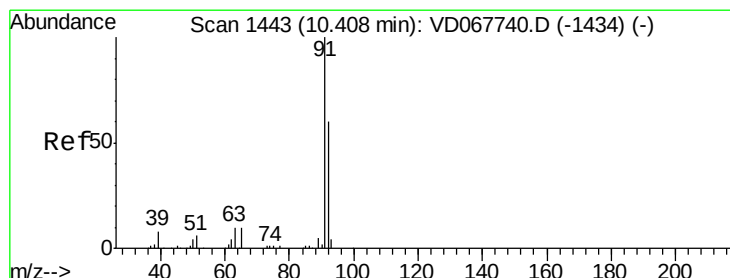
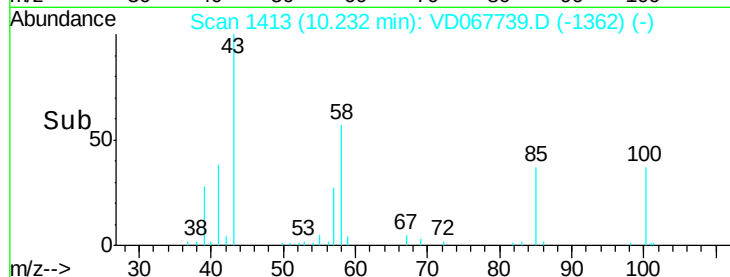
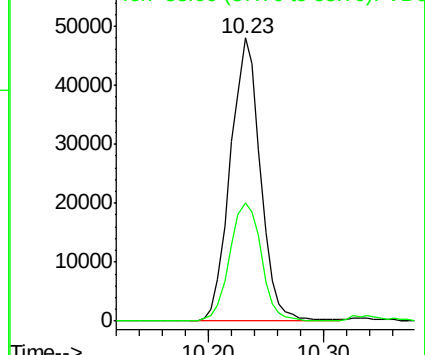
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.137 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067739.D

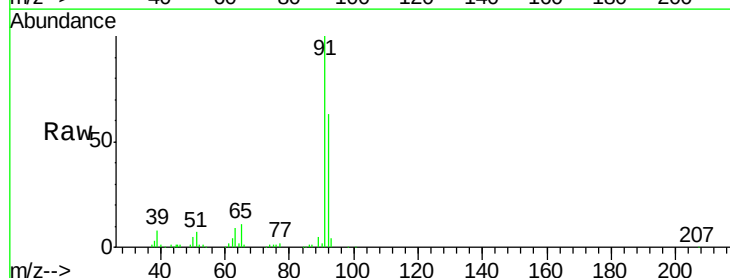
Acq: 23 Nov 2020 11:50

Tgt Ion: 92 Resp: 129156

Ion Ratio Lower Upper

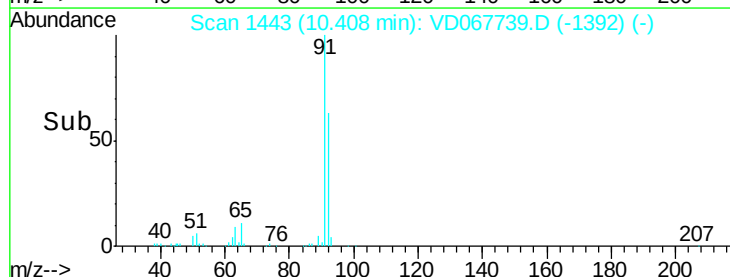
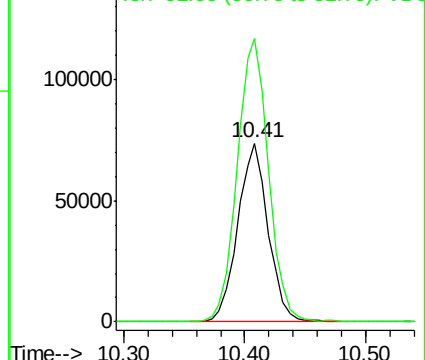
92 100

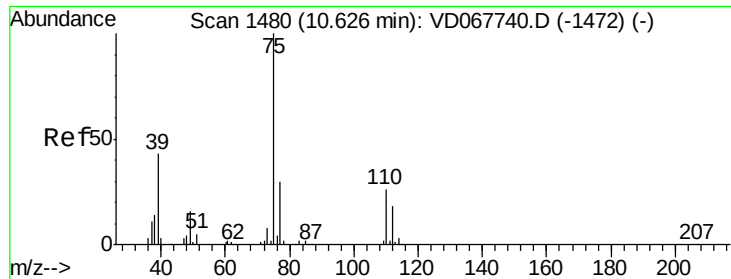
91 162.9 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





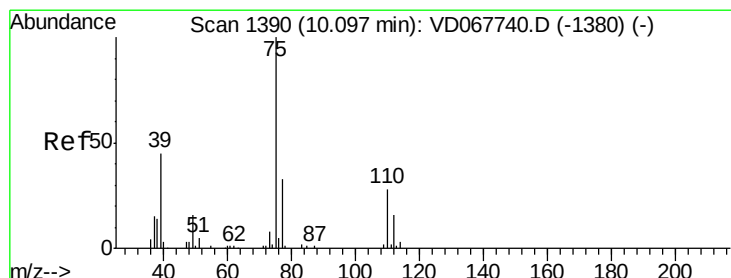
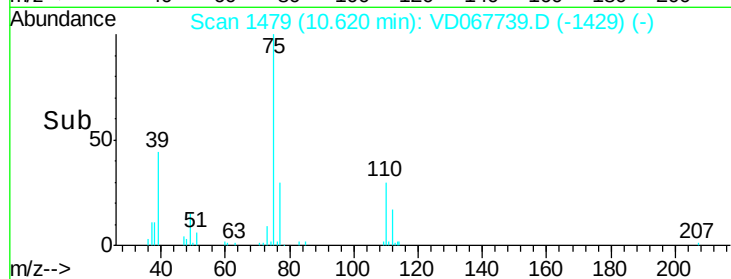
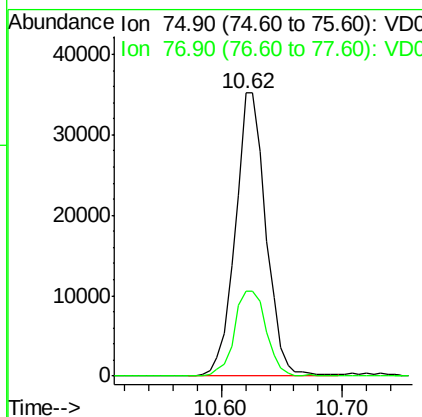
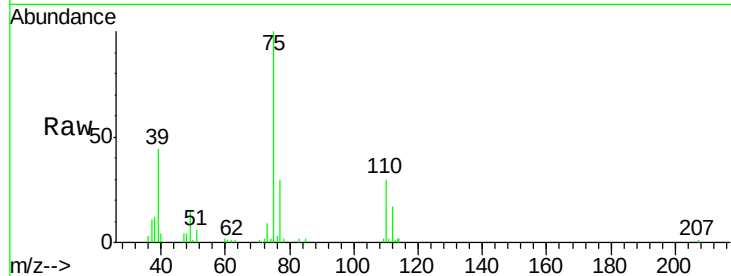
#53
 t-1,3-Dichloropropene
 Concen: 20.449 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 62269
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.2 36.4

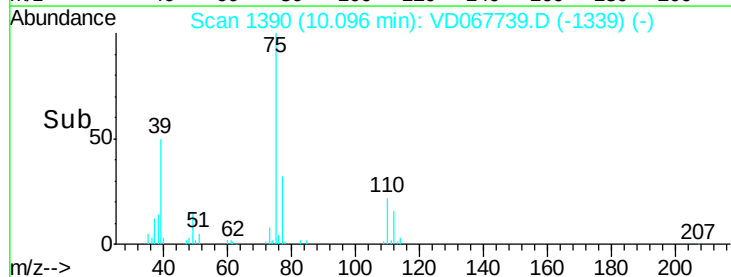
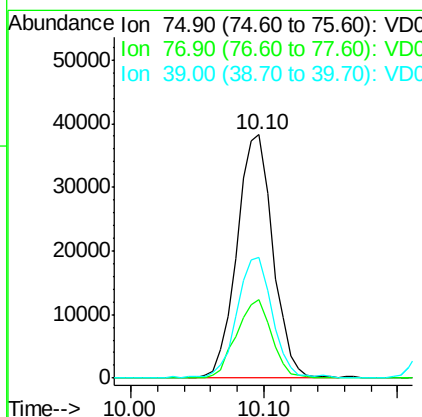
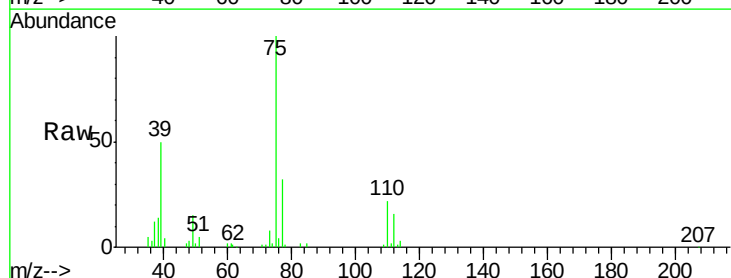
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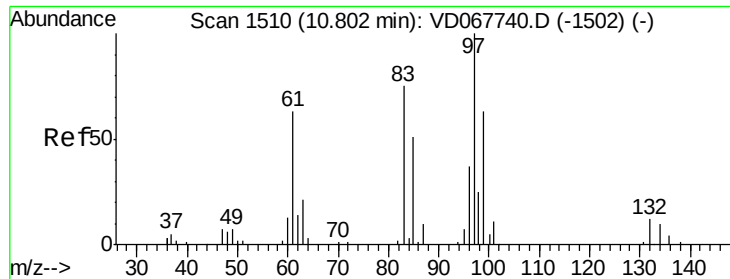
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#54
 cis-1,3-Dichloropropene
 Concen: 20.652 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion: 75 Resp: 71195
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.1 39.1
 39 49.6 35.8 53.6





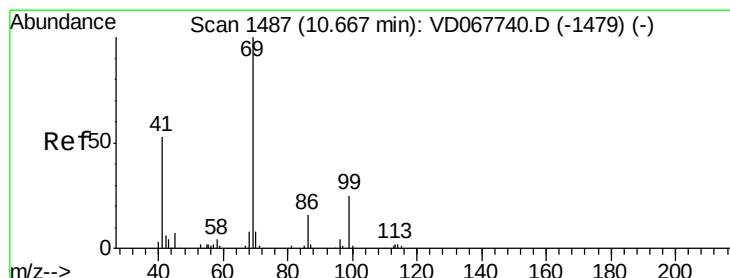
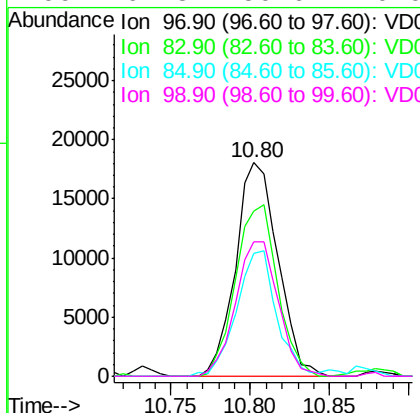
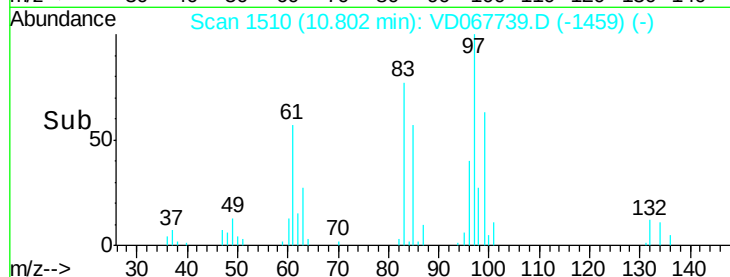
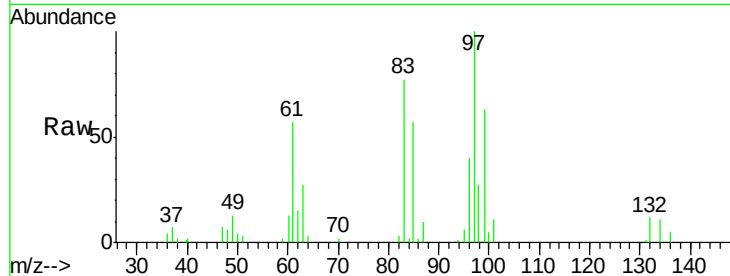
#55
 1,1,2-Trichloroethane
 Concen: 19.965 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	33526
Ion	Ratio	Lower	Upper
97	100		
83	77.3	60.2	90.4
85	57.3	40.5	60.7
99	62.8	50.6	76.0

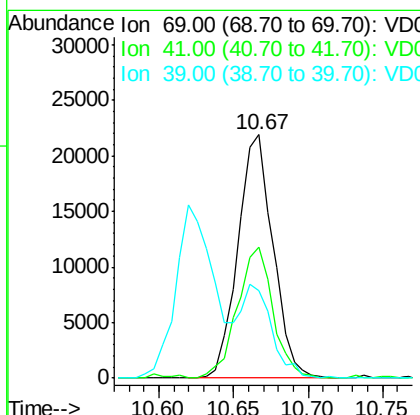
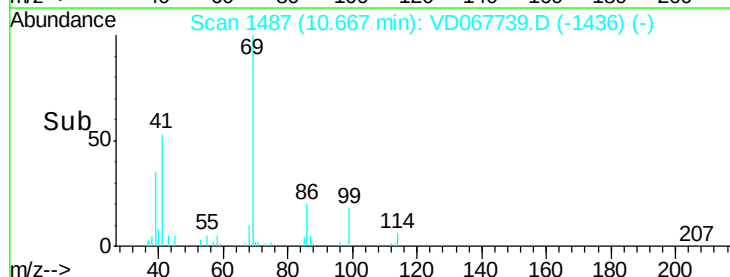
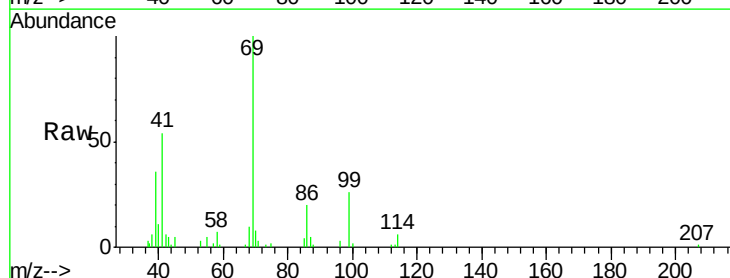
Manual Integrations
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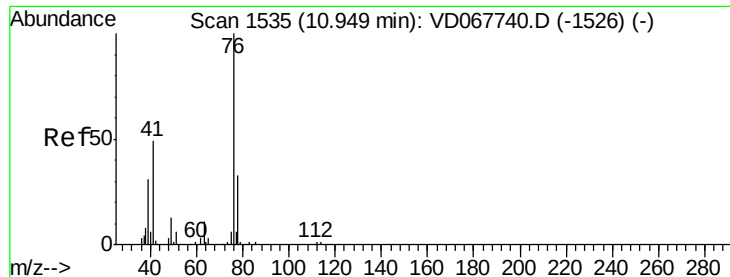
MMDadoda
 11/24/2020 2:56:29 PM



#56
 Ethyl methacrylate
 Concen: 20.584 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion:	69	Resp:	35724
Ion	Ratio	Lower	Upper
69	100		
41	54.6	43.4	65.0
39	33.5	29.6	44.4





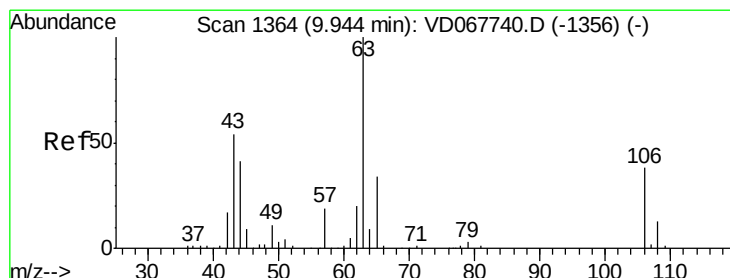
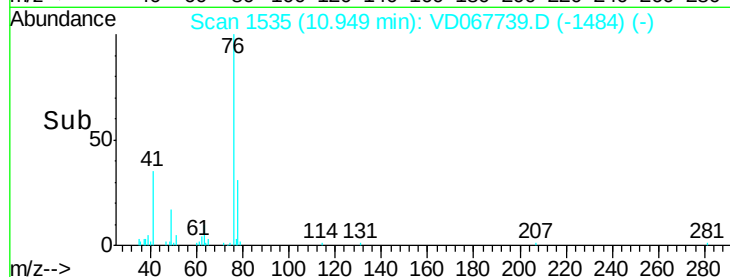
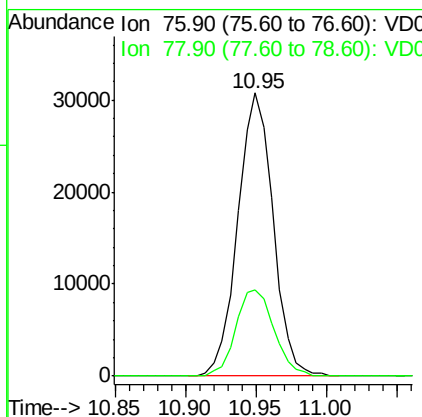
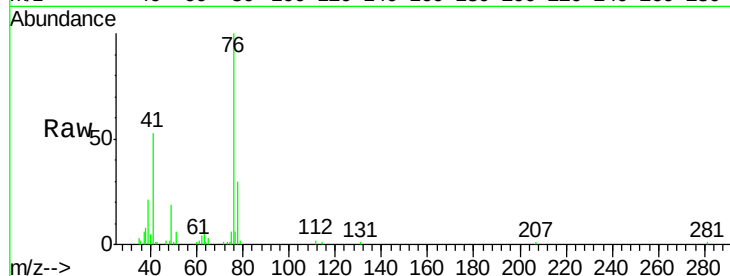
#57
 1,3-Dichloropropane
 Concen: 20.548 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.7	38.5

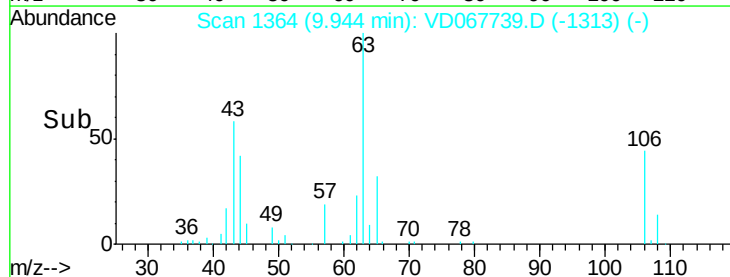
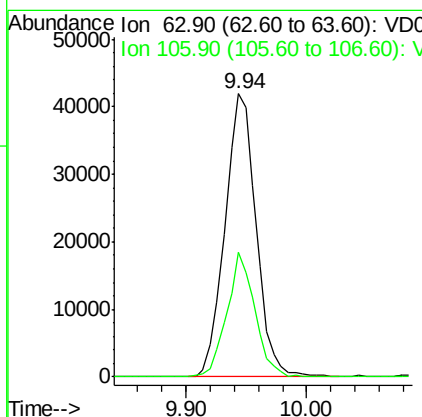
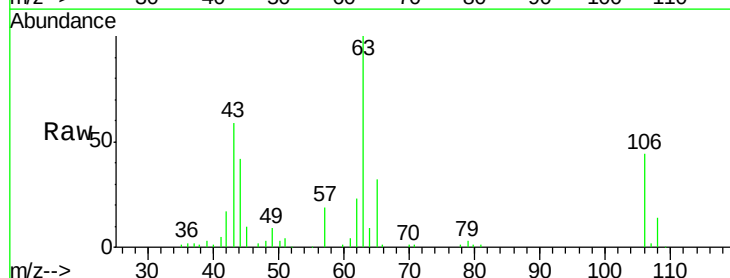
Manual Integrations
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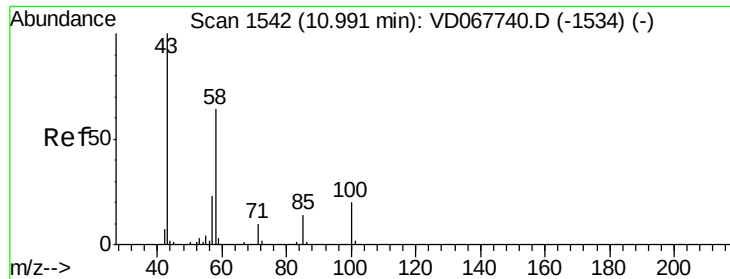
MMDadoda
 11/24/2020 2:56:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.505 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	39.5	31.0	46.6





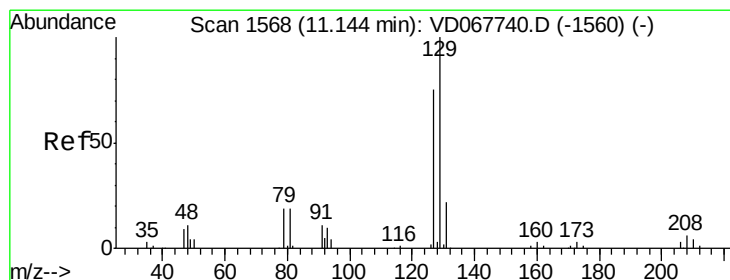
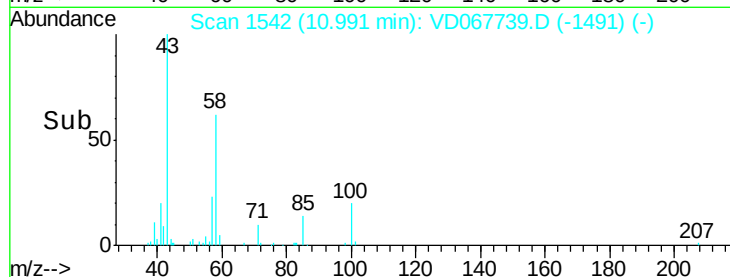
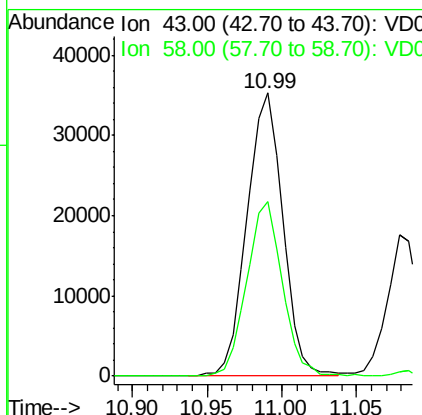
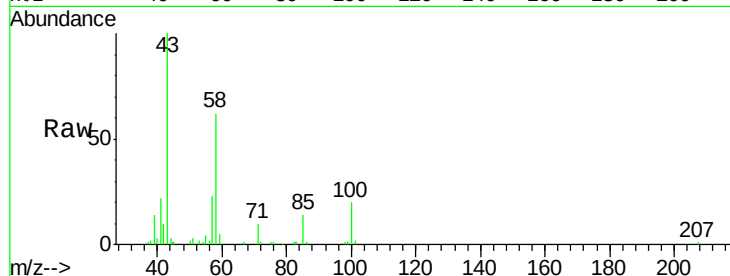
#59
2-Hexanone
Concen: 101.151 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.2	30.5	91.5

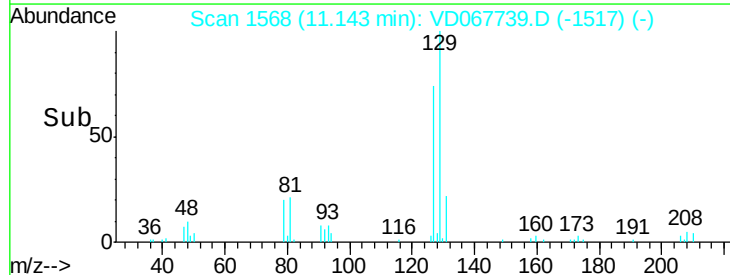
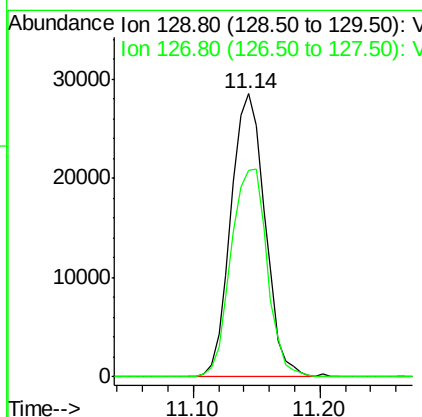
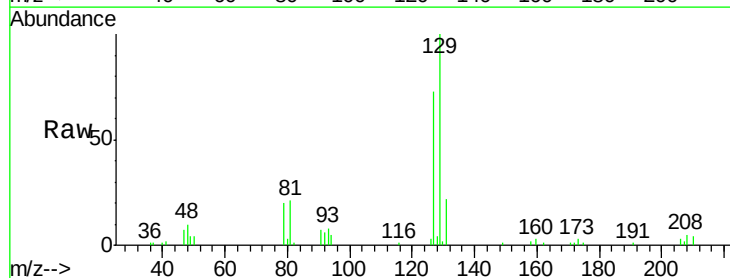
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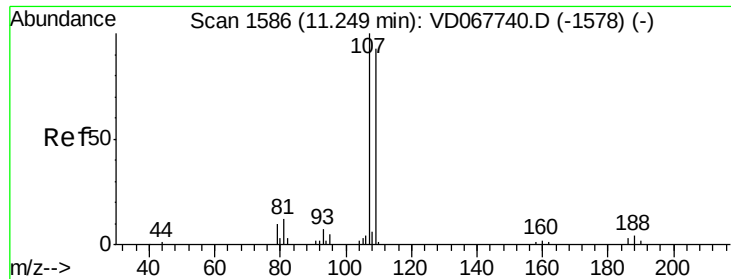
MMDadoda
11/24/2020 2:56:29 PM



#60
Dibromochloromethane
Concen: 20.803 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.7





#61

1,2-Dibromoethane

Concen: 20.529 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 34086

Ion Ratio Lower Upper

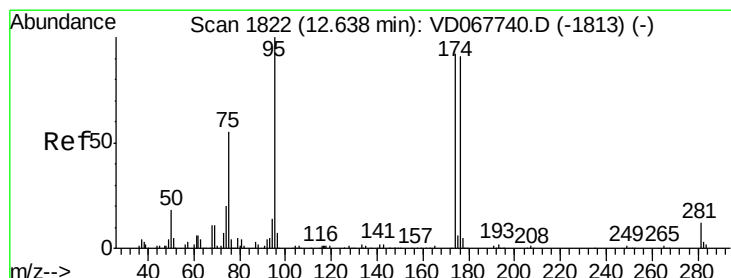
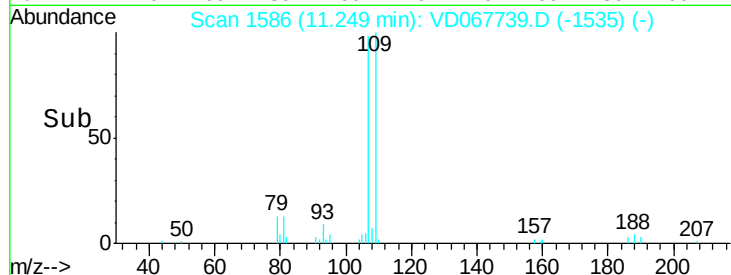
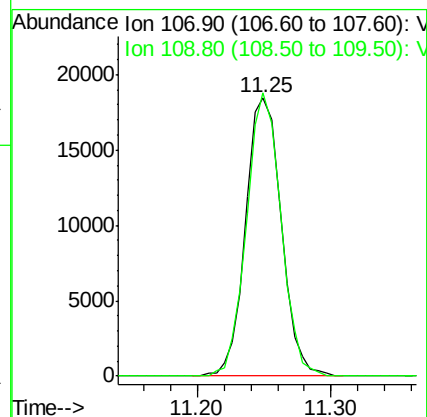
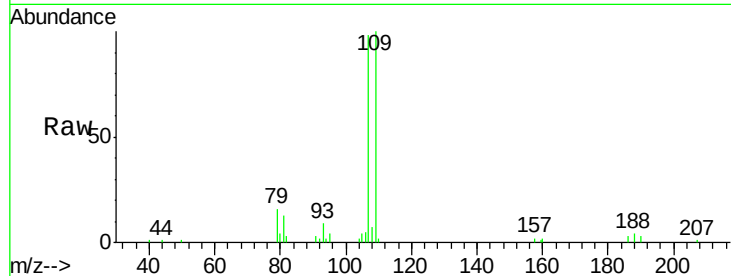
107 100

109 97.8 75.1 112.7

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#62

4-Bromofluorobenzene

Concen: 20.473 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

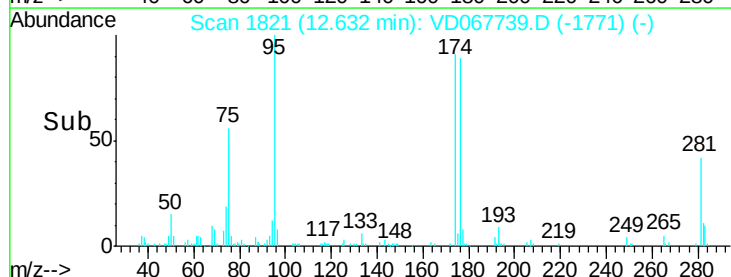
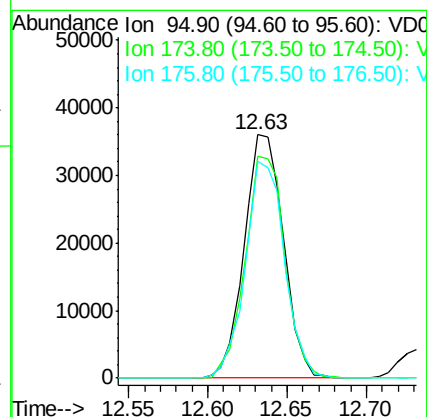
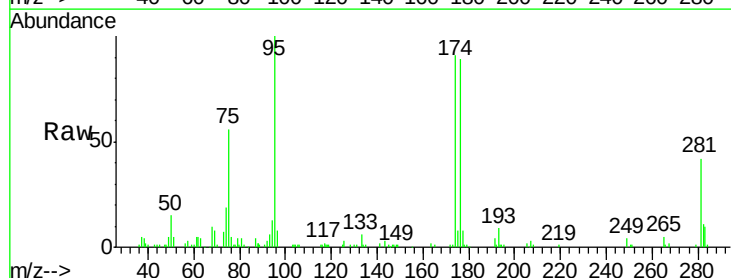
Tgt Ion: 95 Resp: 62004

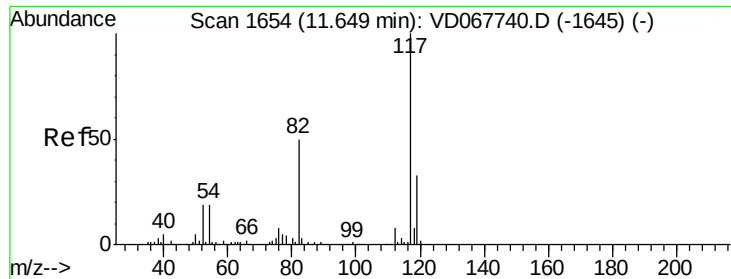
Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.4

176 88.7 0.0 178.2





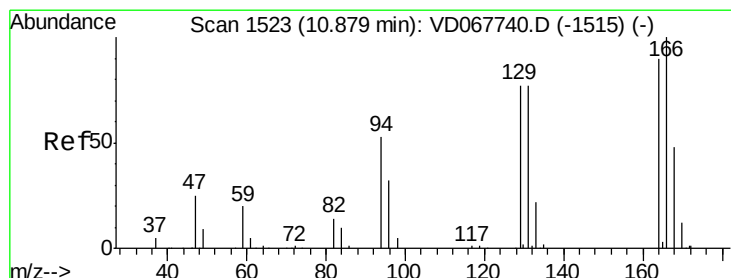
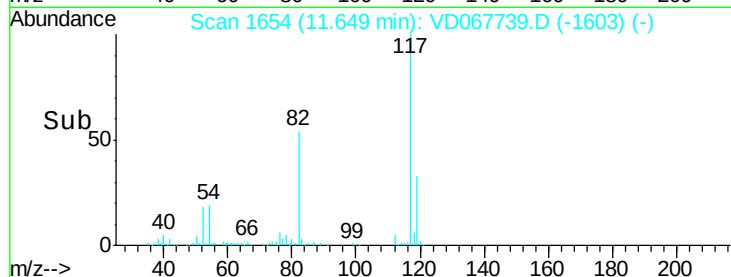
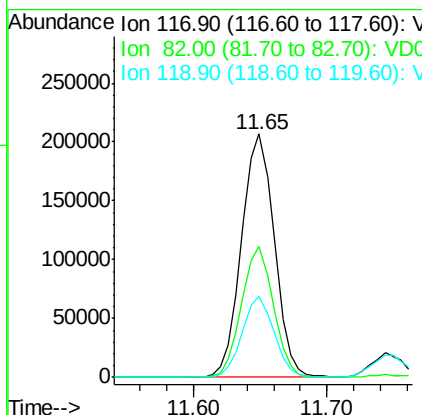
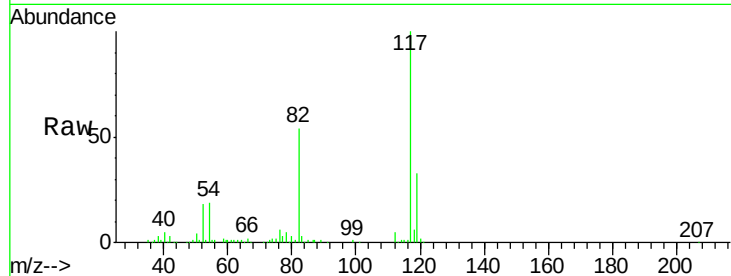
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	352226		
82	53.8		40.2	60.4
119	33.1		26.5	39.7

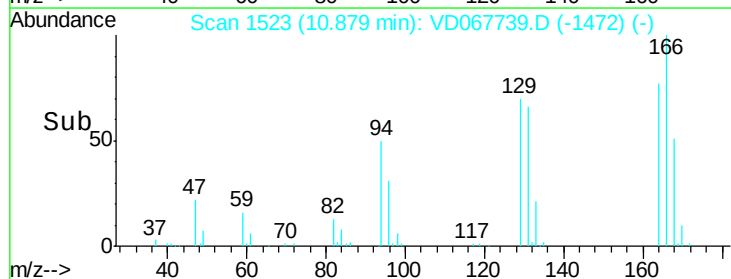
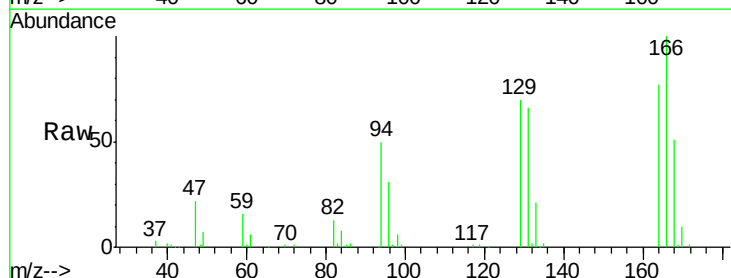
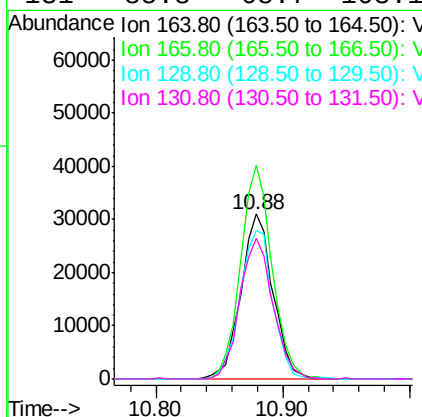
Manual Integrations
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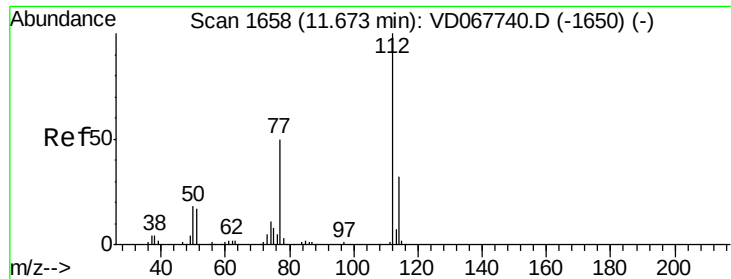
MMDadoda
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#64
Tetrachloroethene
Concen: 19.632 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54370		
166	129.7		89.2	133.8
129	90.3		68.4	102.6
131	85.8		68.7	103.1





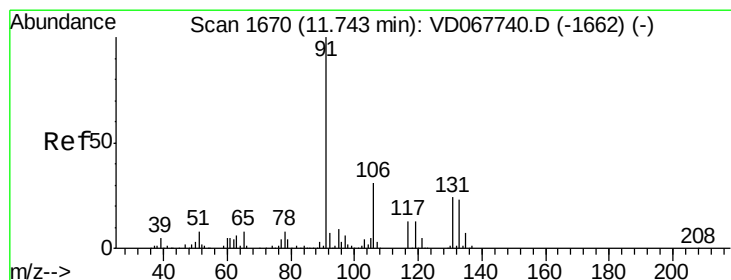
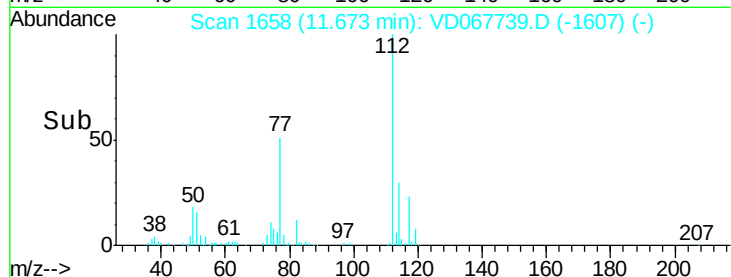
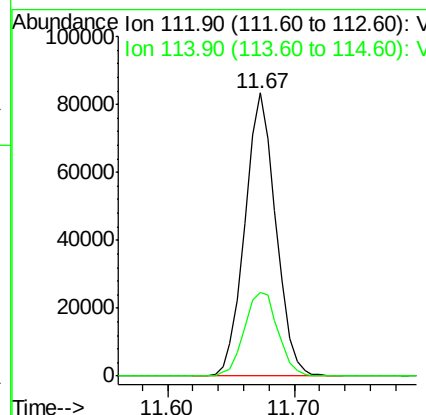
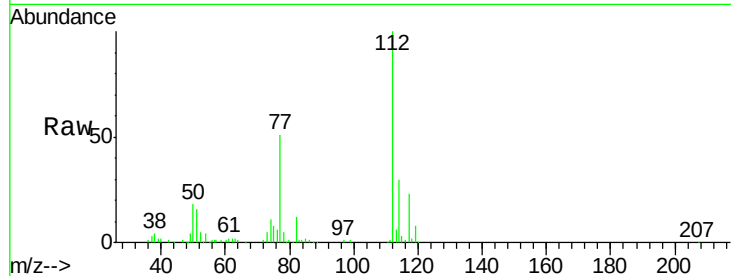
#65
Chlorobenzene
Concen: 20.252 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.5	25.8	38.8

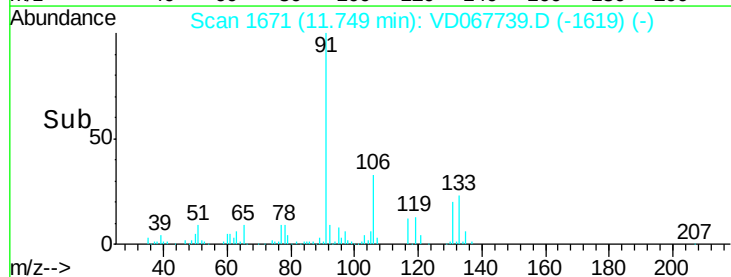
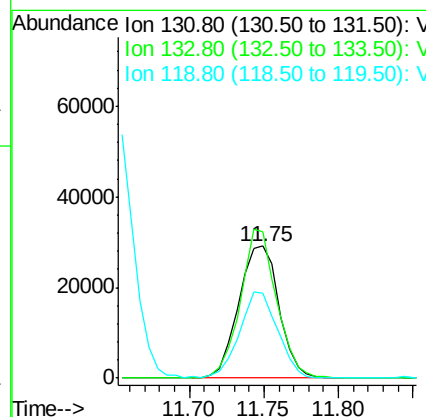
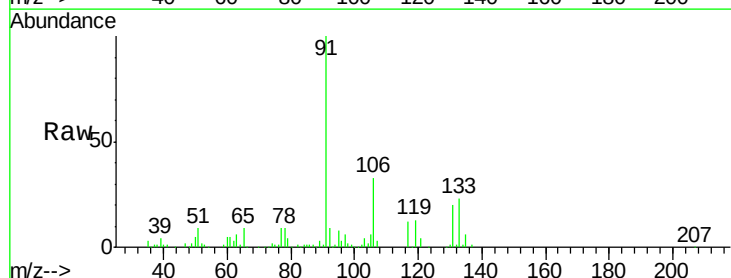
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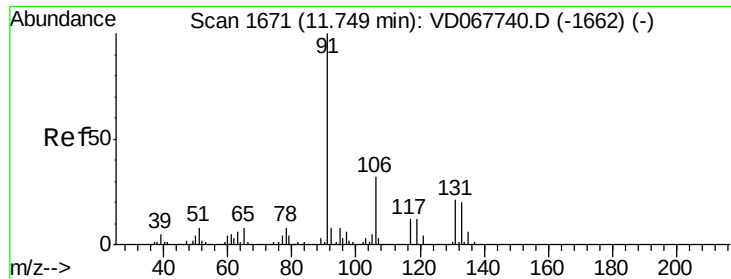
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.574 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.7	49.0	147.0
119	61.5	28.8	86.5





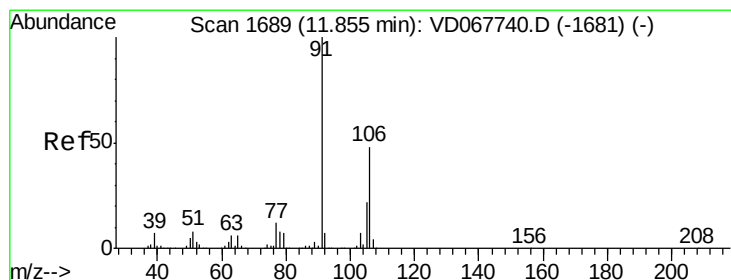
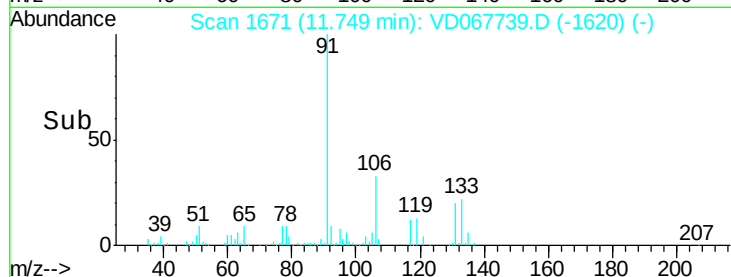
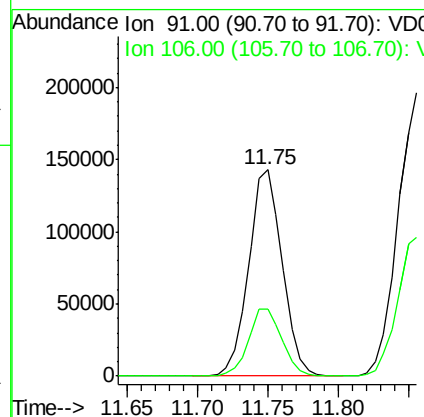
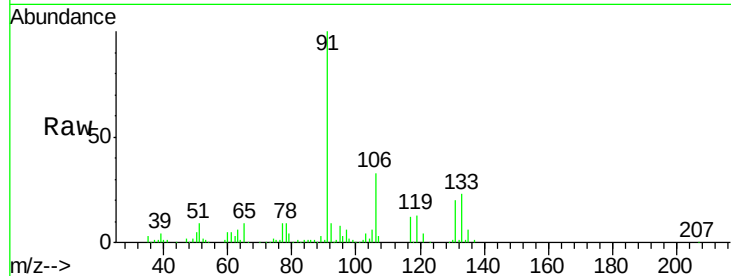
#67
Ethyl Benzene
Concen: 19.941 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 238812
Ion Ratio Lower Upper
91 100
106 32.7 25.7 38.5

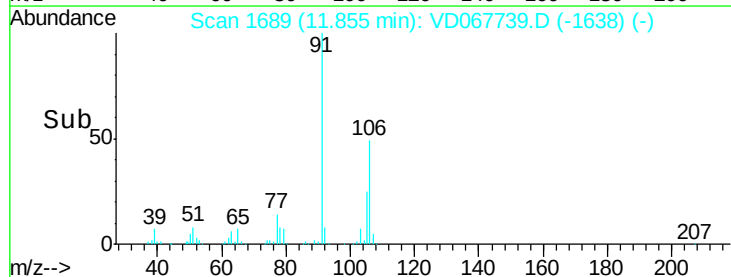
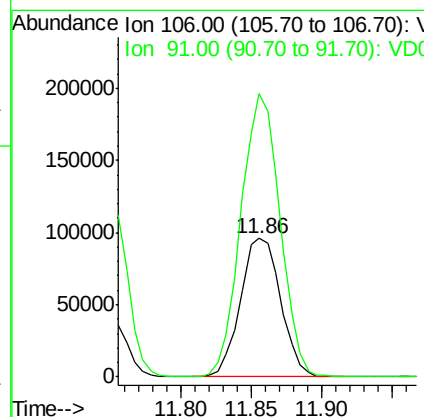
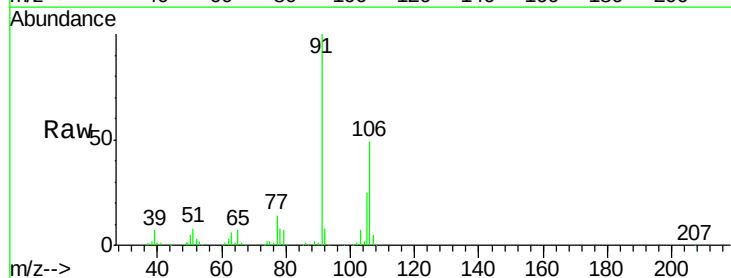
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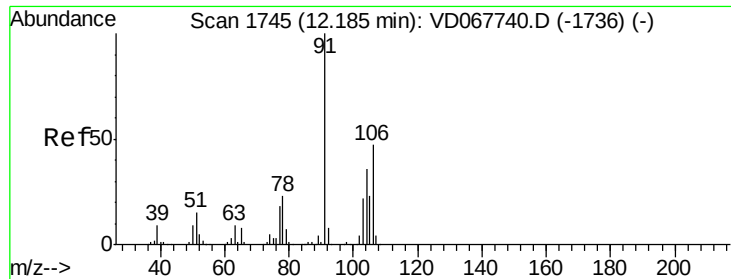
MMDadoda
11/24/2020 2:56:29 PM



#68
m/p-Xylenes
Concen: 40.907 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion: 106 Resp: 191543
Ion Ratio Lower Upper
106 100
91 199.0 163.0 244.6





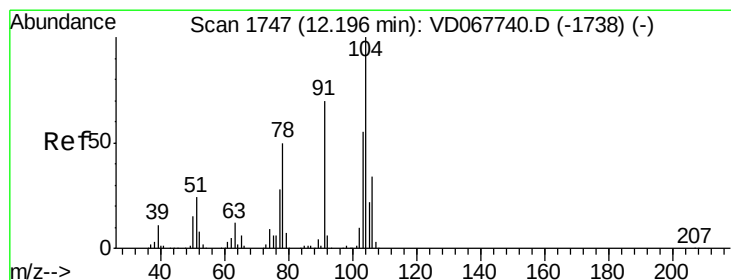
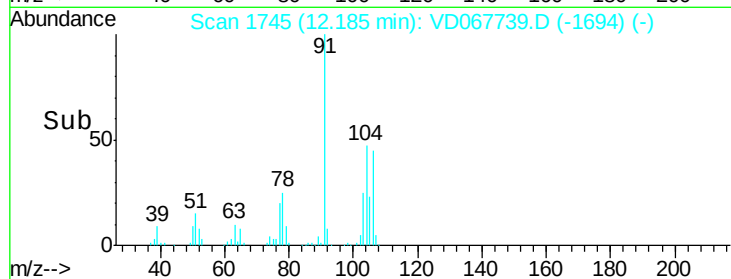
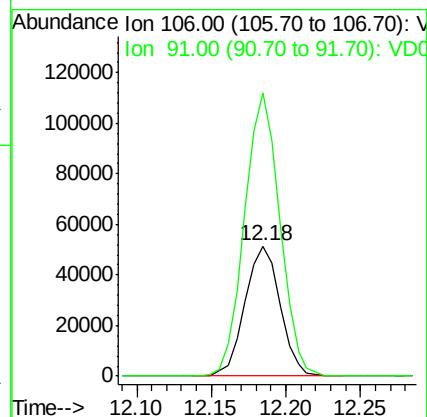
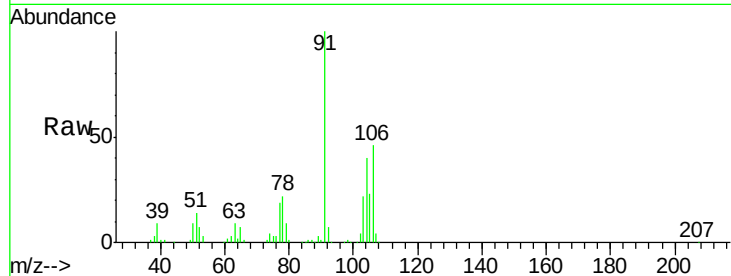
#69
o-Xylene
Concen: 19.637 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 83607
Ion Ratio Lower Upper
106 100
91 219.7 106.2 318.6

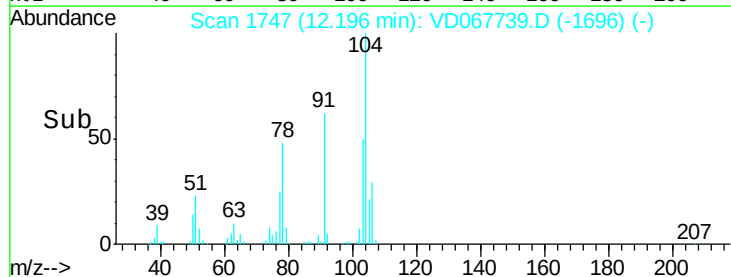
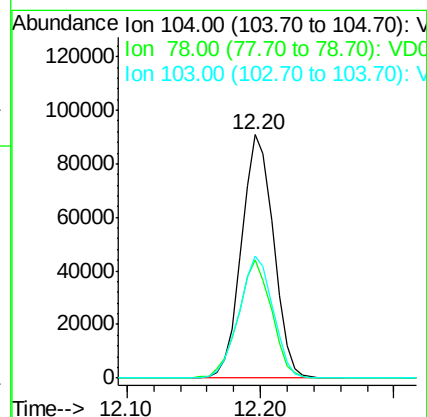
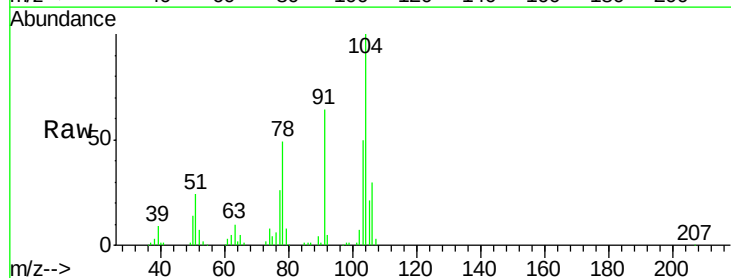
Manual Integrations
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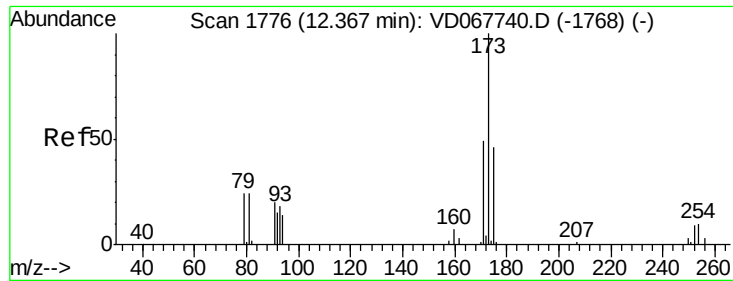
MMDadoda
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#70
Styrene
Concen: 20.450 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion:104 Resp: 150413
Ion Ratio Lower Upper
104 100
78 50.8 41.9 62.9
103 53.6 44.1 66.1





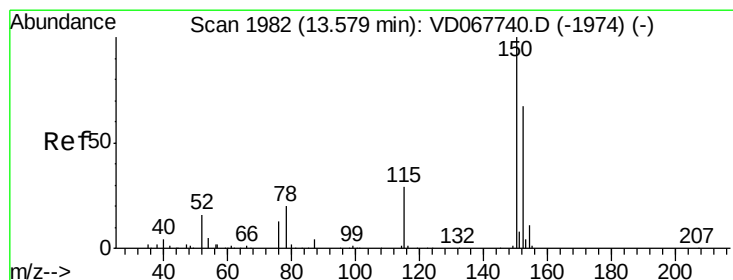
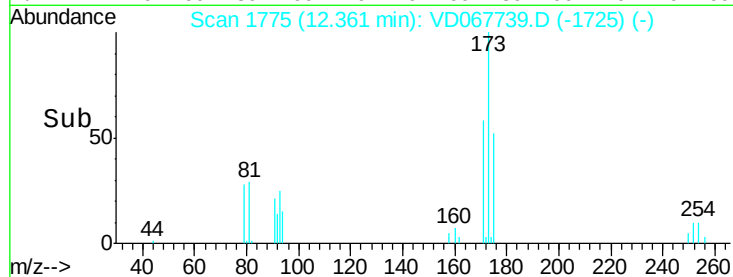
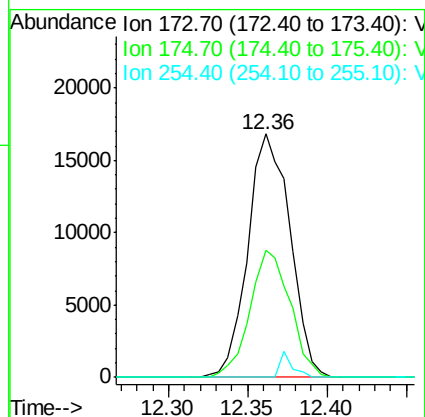
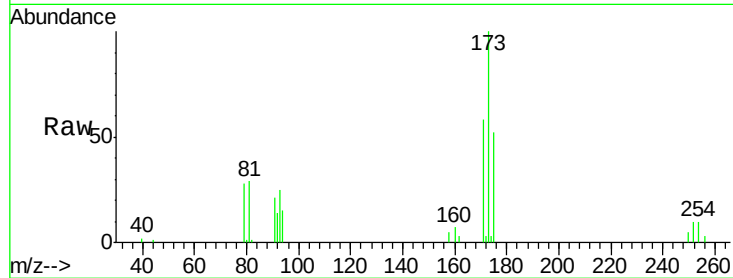
#71
Bromoform
Concen: 20.425 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	23.9	71.7
254	3.1	0.0	0.0

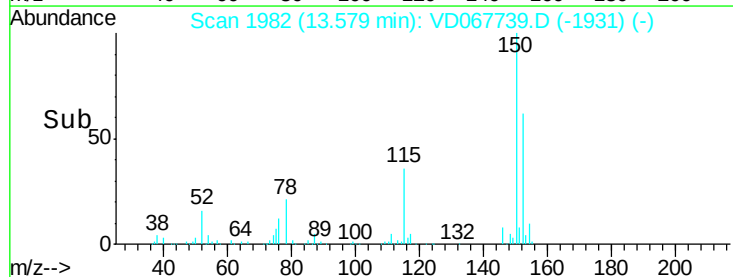
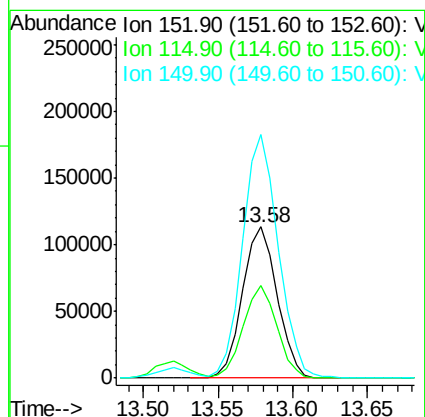
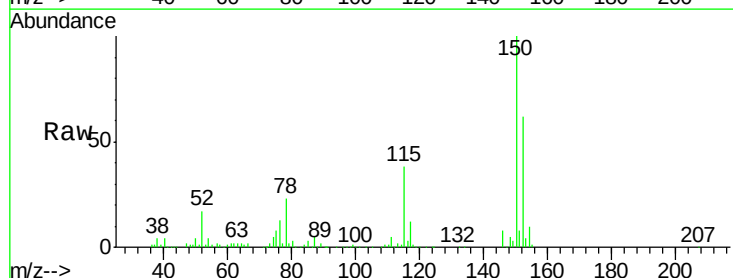
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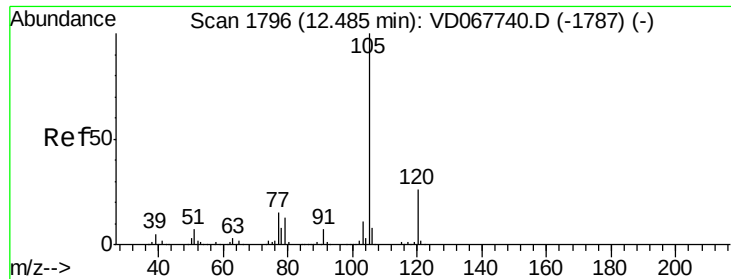
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.4	88.3
150	165.6	0.0	340.6





#73

Isopropylbenzene

Concen: 19.734 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 241698

Ion Ratio Lower Upper

105 100

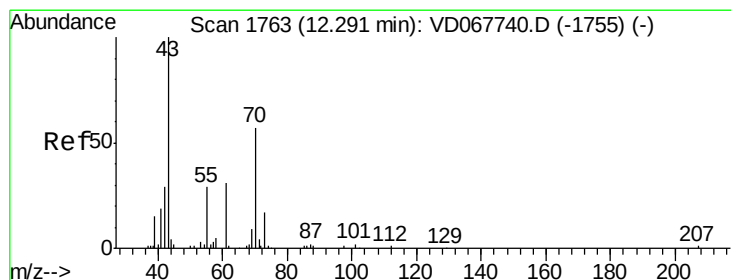
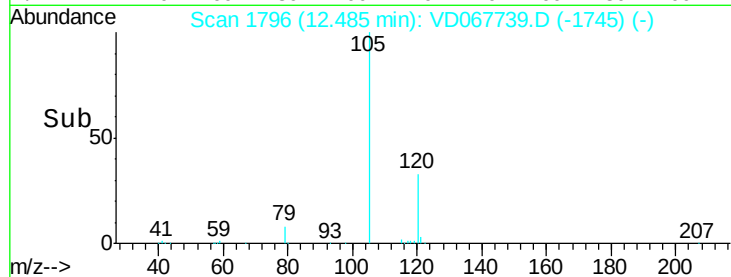
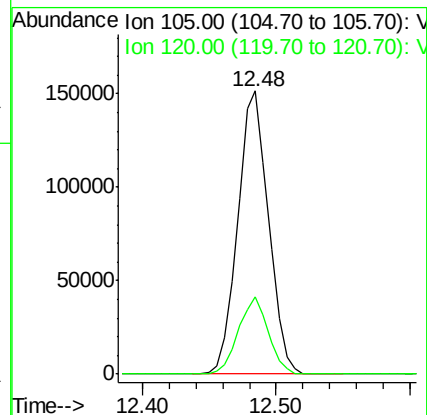
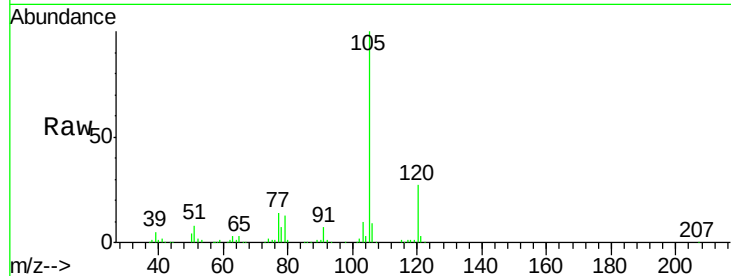
120 26.6 13.2 39.6

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#74

N-ethyl acetate

Concen: 20.112 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Tgt Ion: 43 Resp: 31912

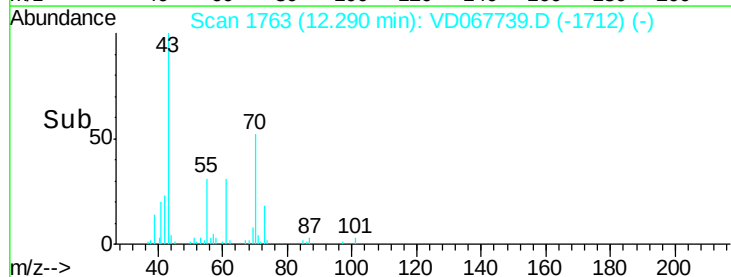
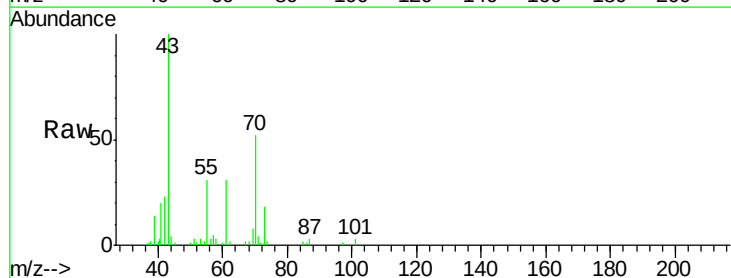
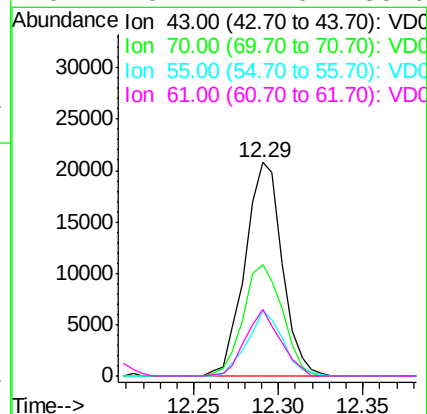
Ion Ratio Lower Upper

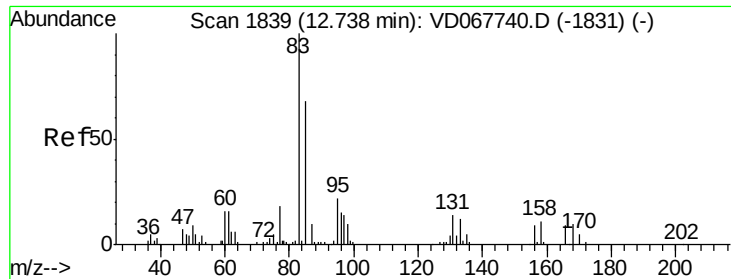
43 100

70 54.6 44.6 66.8

55 29.3 24.2 36.2

61 29.1 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.564 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

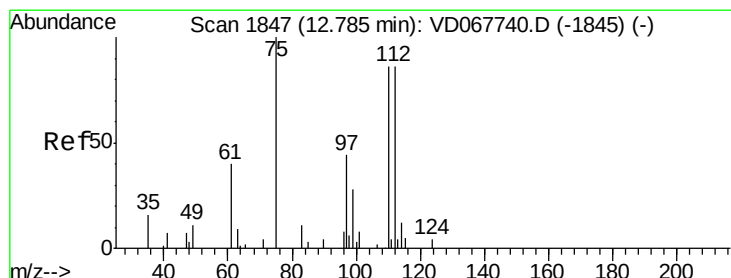
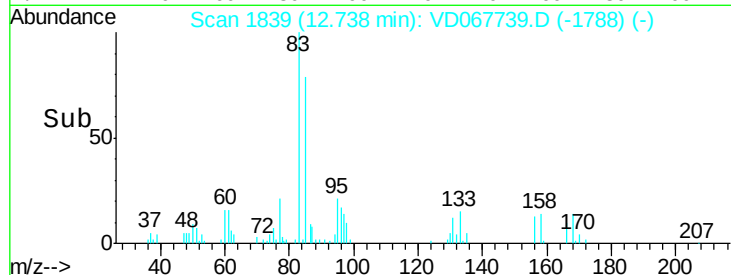
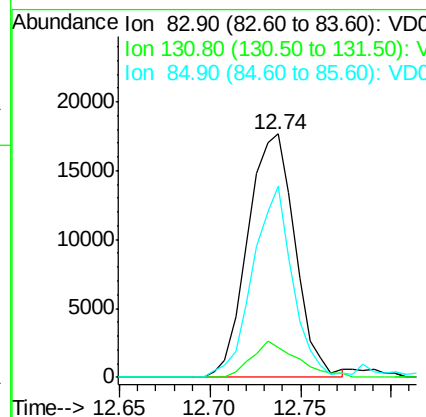
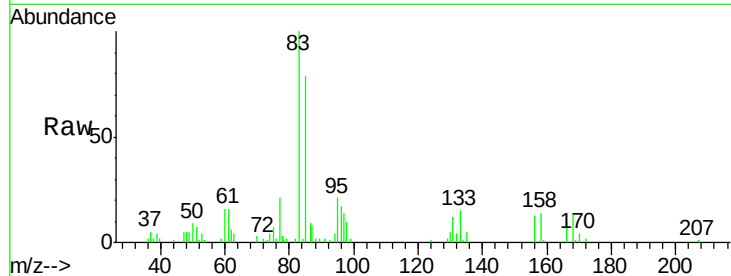
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	31933
Ion Ratio	Lower	Upper	
83	100		
131	14.4	8.1	24.1
85	66.8	33.9	101.7

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#76

1,2,3-Trichloropropane

Concen: 20.372 ug/l m

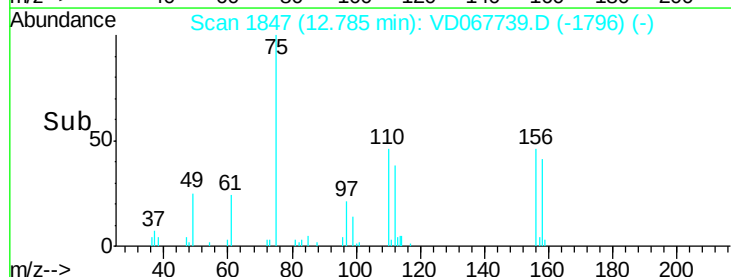
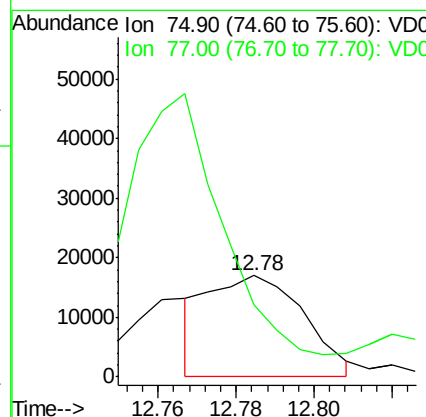
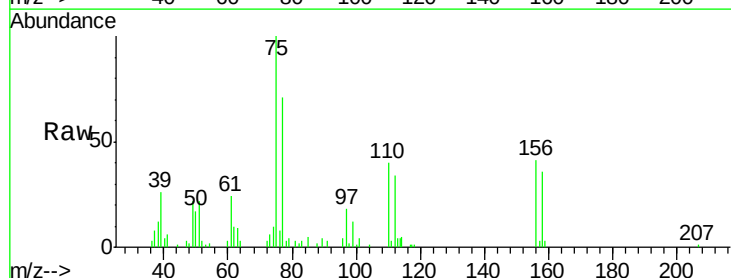
RT: 12.78 min Scan# 1847

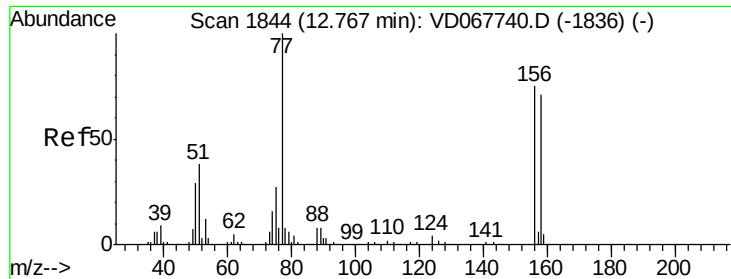
Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Tgt Ion:	75	Resp:	28987
Ion Ratio	Lower	Upper	
75	100		
77	302.4	0.0	0.0#





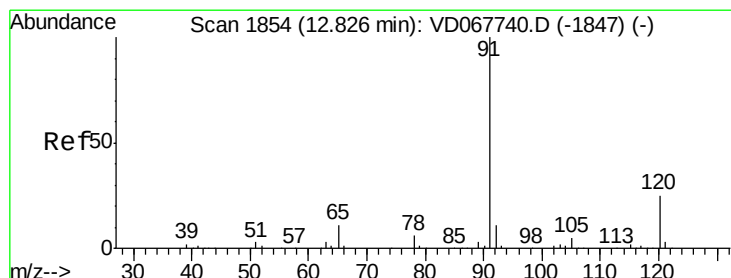
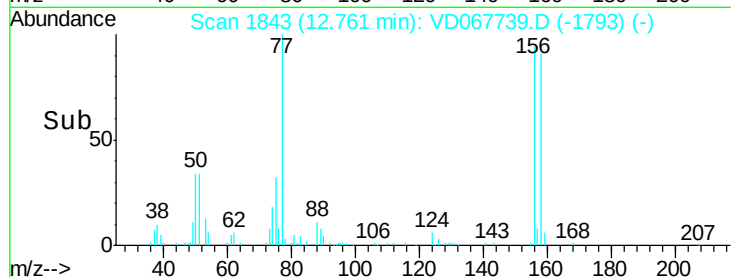
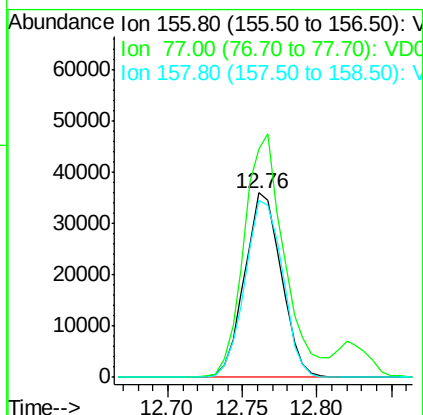
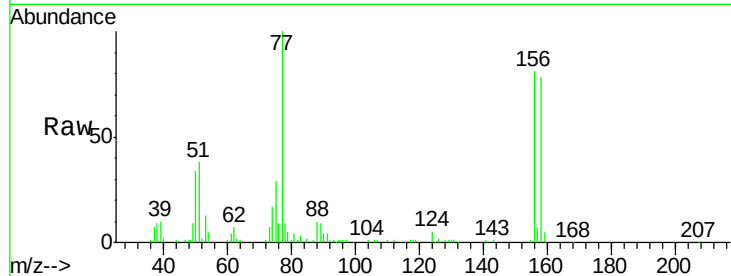
#77
Bromobenzene
Concen: 20.172 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.5	73.5	220.3
158	98.0	48.1	144.4

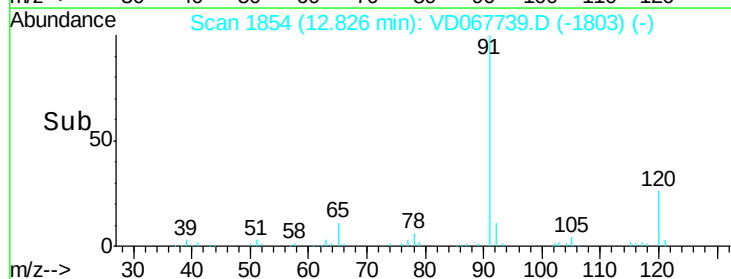
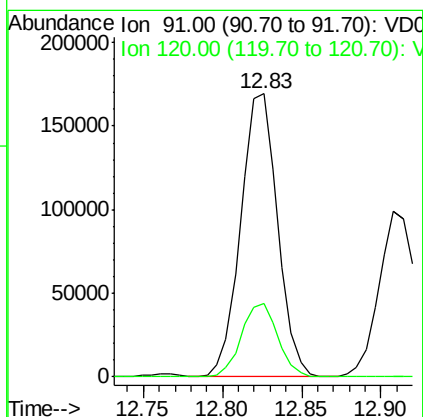
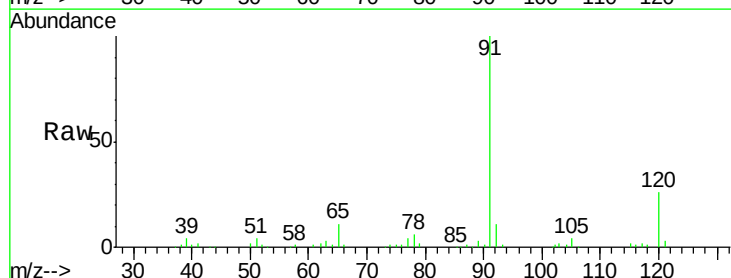
Manual Integrations
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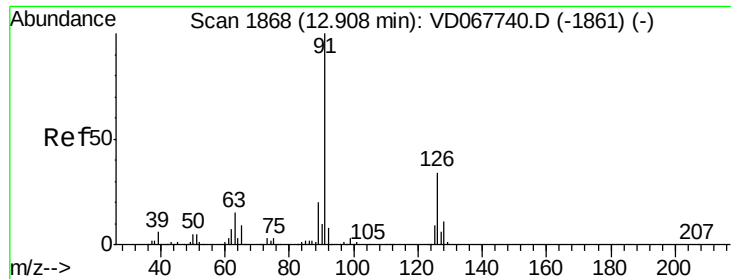
MMDadoda
11/24/2020 2:56:29 PM



#78
n-propylbenzene
Concen: 19.988 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.8	12.4	37.4





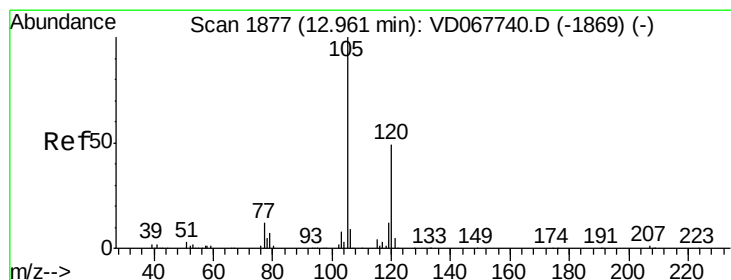
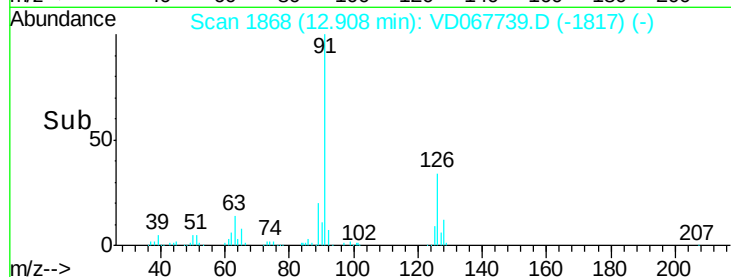
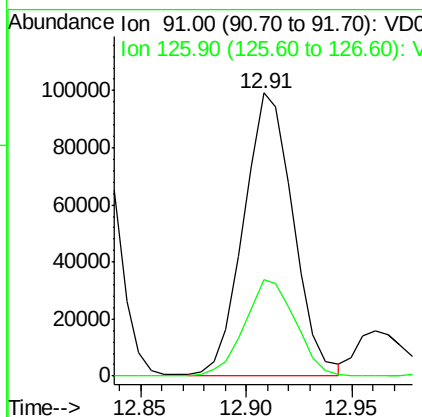
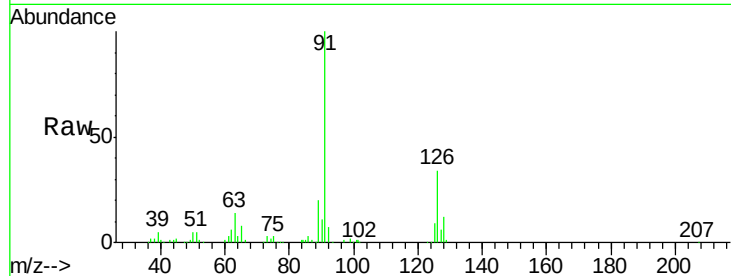
#79
 2-Chlorotoluene
 Concen: 20.174 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 161223
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.9 53.7

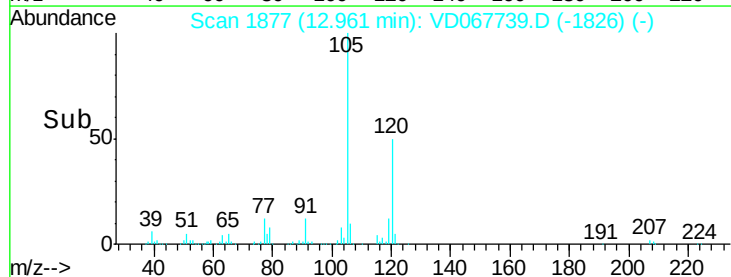
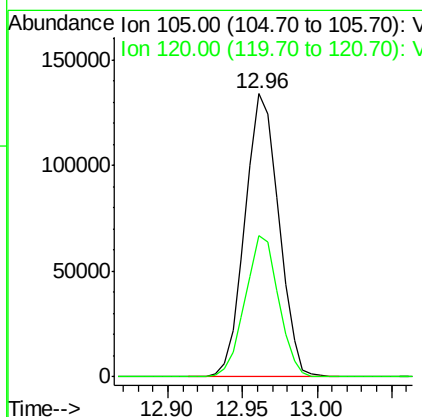
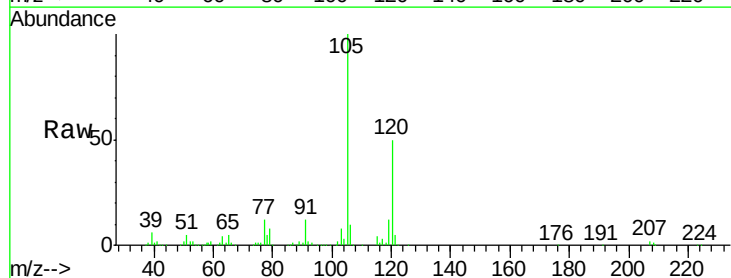
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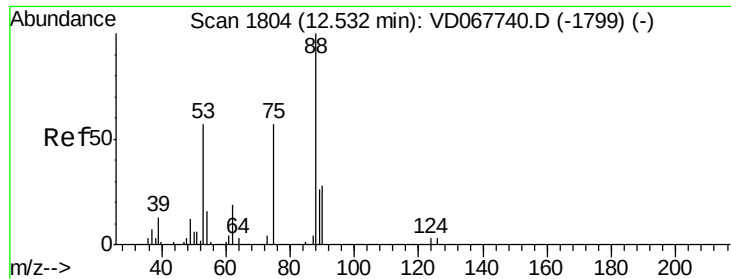
MMDadoda
 11/24/2020 2:56:29 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.583 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion: 105 Resp: 210542
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.537 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

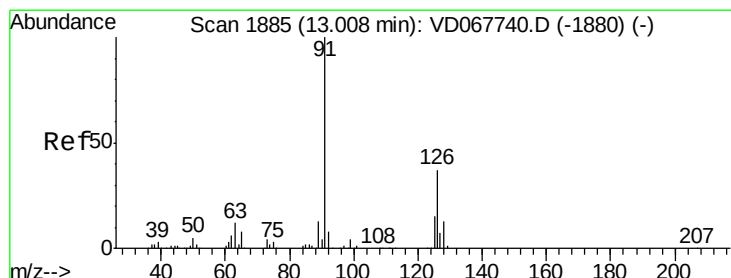
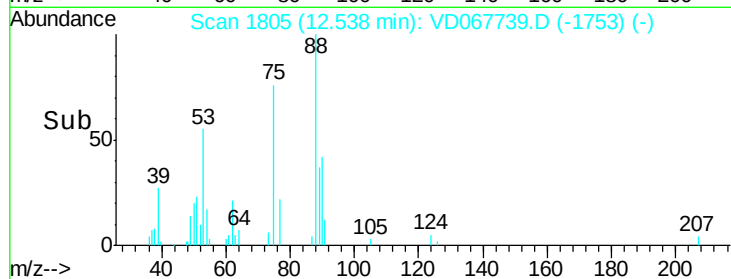
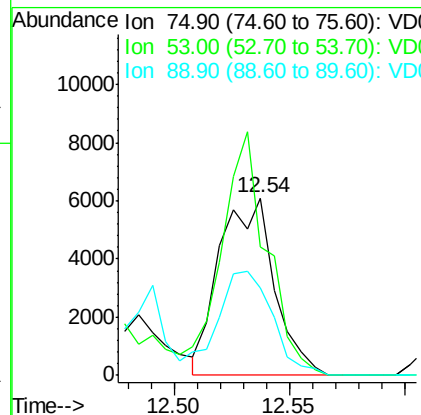
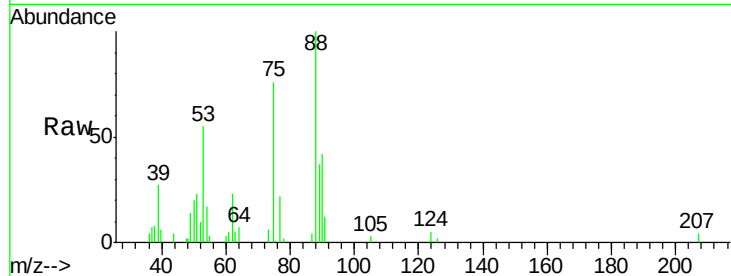
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	10100
Ion	Ratio	Lower	Upper
75	100		
53	113.8	76.0	114.0
89	59.1	40.2	60.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.771 ug/l

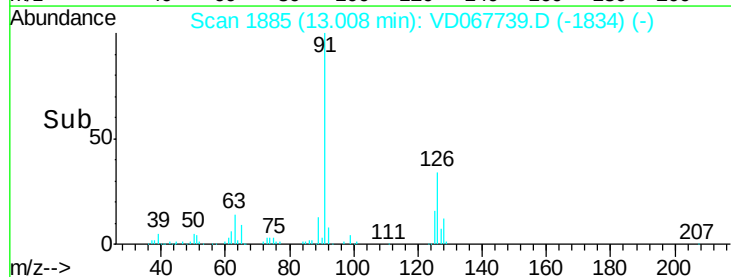
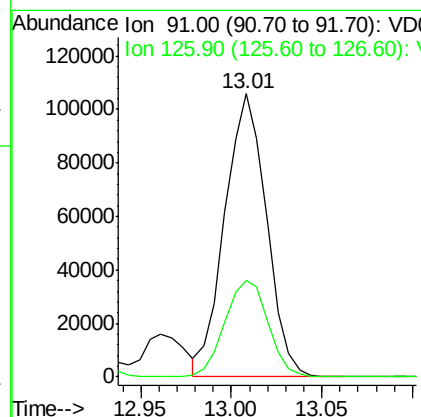
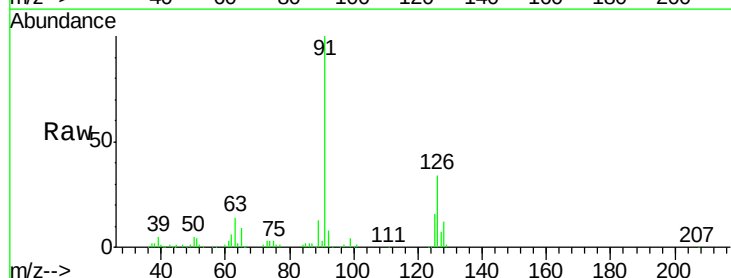
RT: 13.01 min Scan# 1885

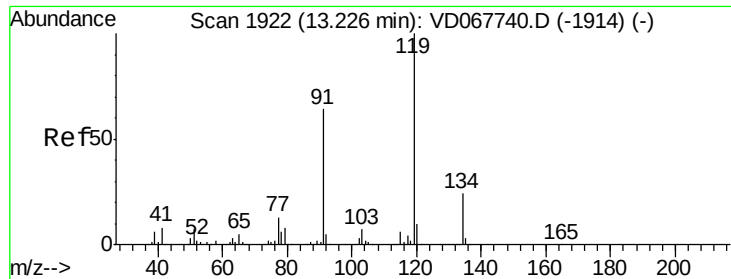
Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Tgt Ion:	91	Resp:	168619
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.7	53.1





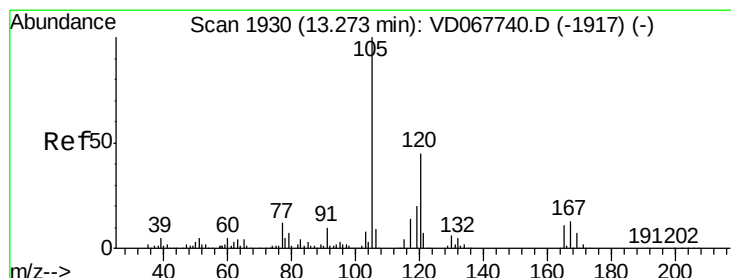
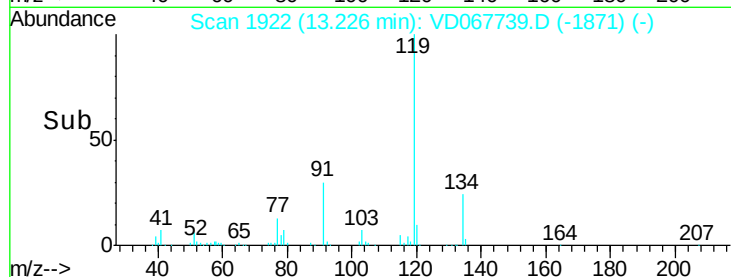
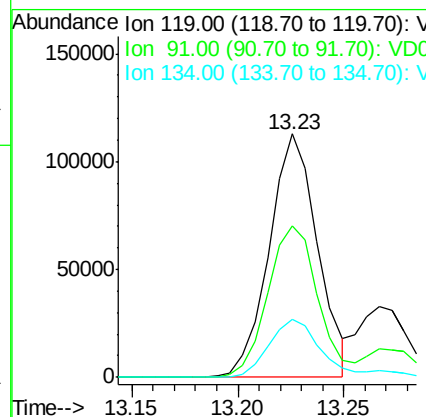
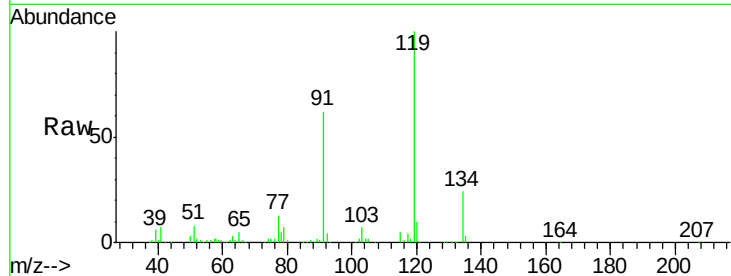
#83
tert-Butylbenzene
Concen: 19.792 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.9	98.7
134	27.0	12.9	38.6

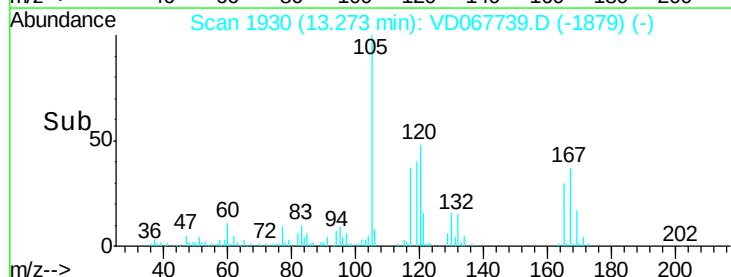
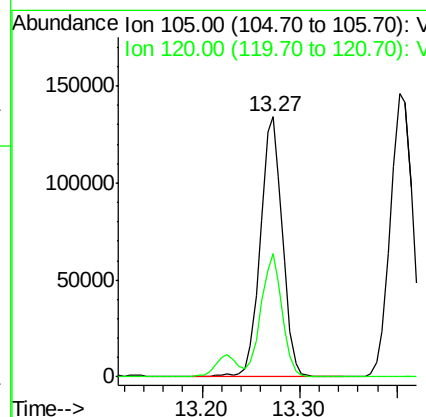
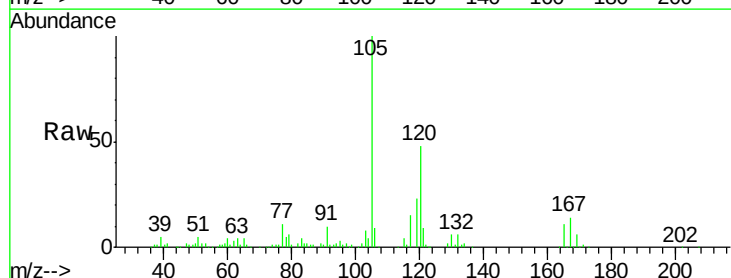
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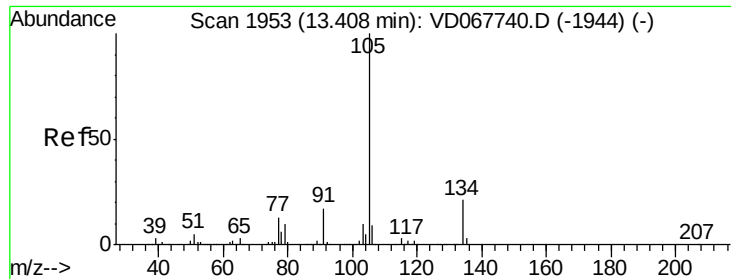
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#84
1,2,4-Trimethylbenzene
Concen: 20.240 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.620 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 234733

Ion Ratio Lower Upper

105 100

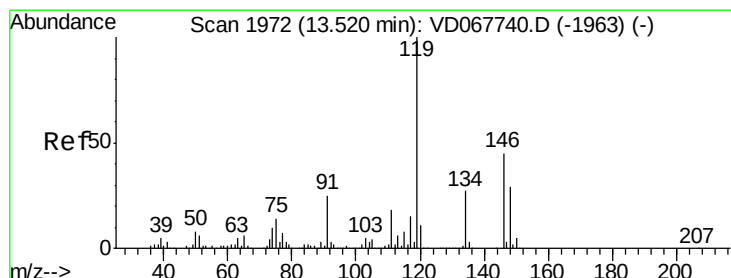
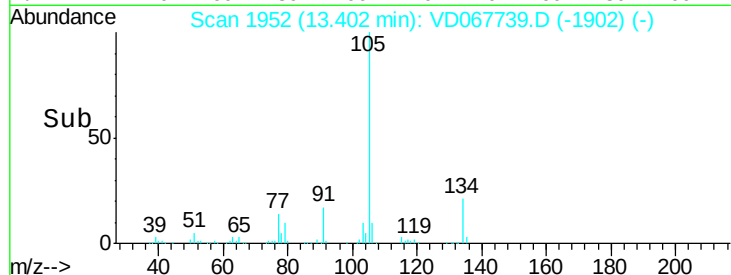
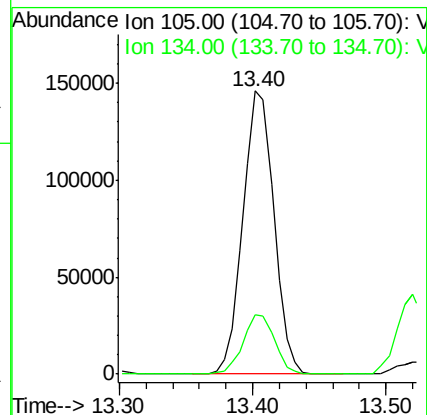
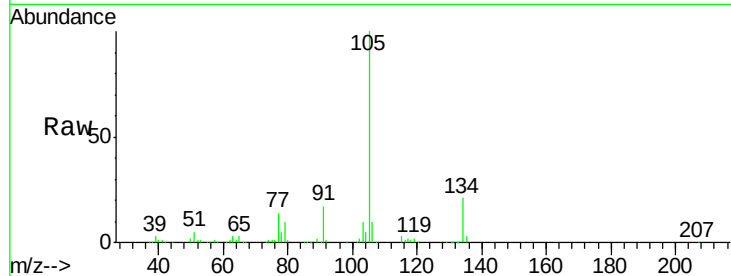
134 21.3 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.123 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067739.D

Acq: 23 Nov 2020 11:50

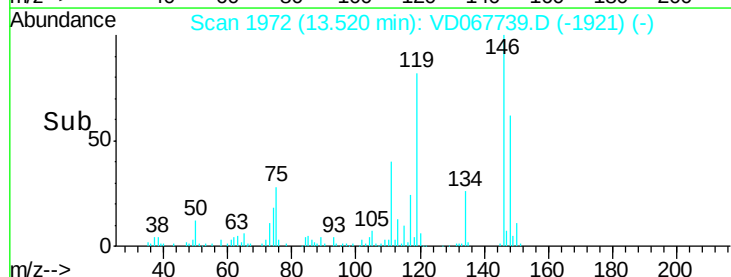
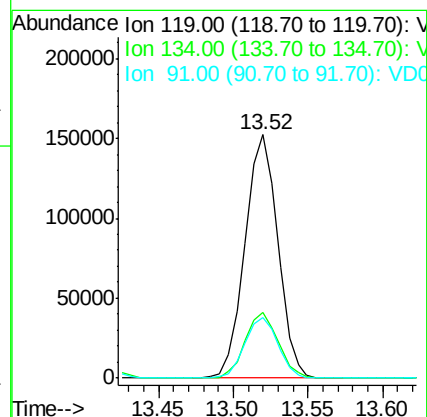
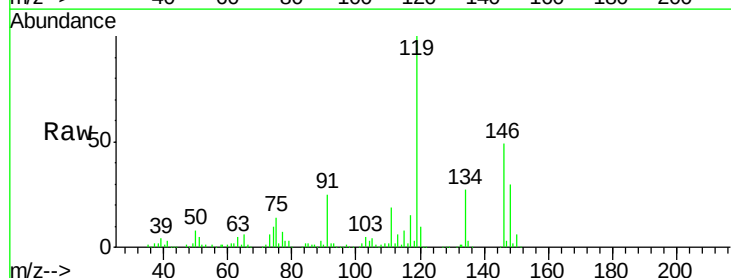
Tgt Ion:119 Resp: 232823

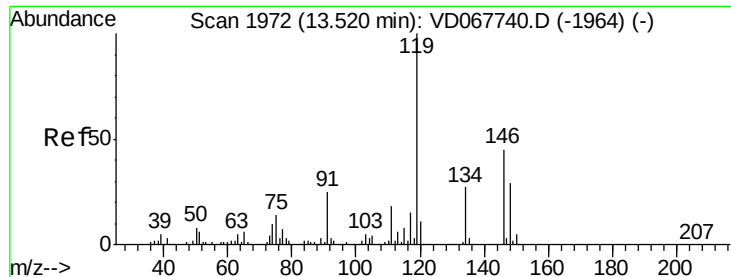
Ion Ratio Lower Upper

119 100

134 26.9 13.0 38.9

91 25.2 12.7 38.1





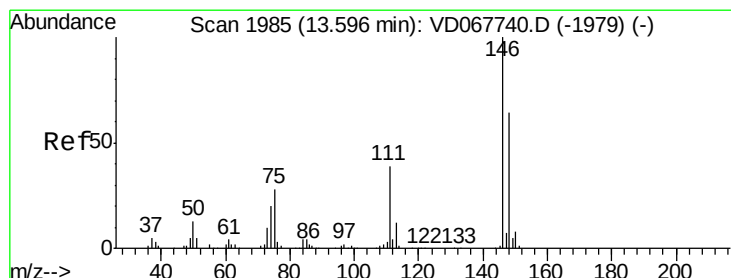
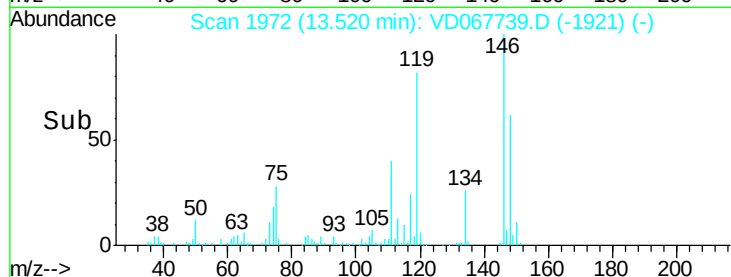
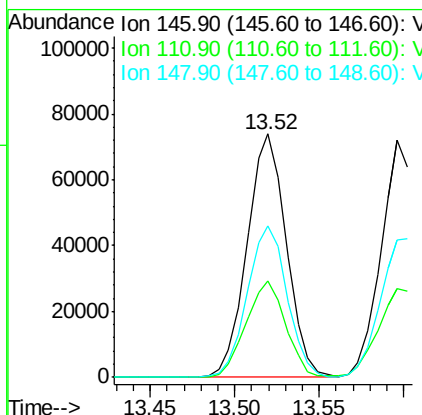
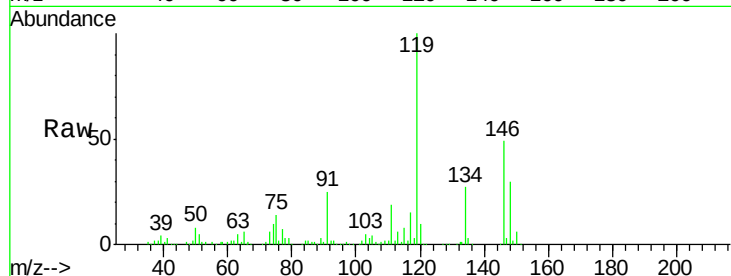
#87
1,3-Dichlorobenzene
Concen: 20.154 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.2	60.6
148	63.2	32.5	97.4

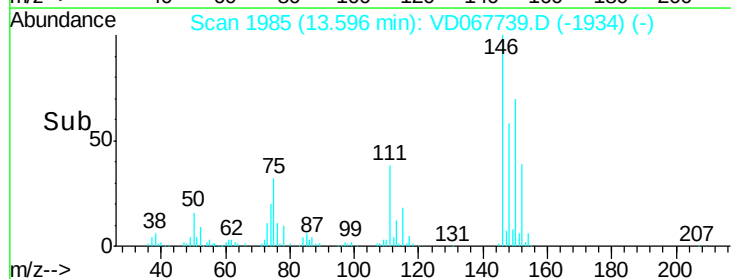
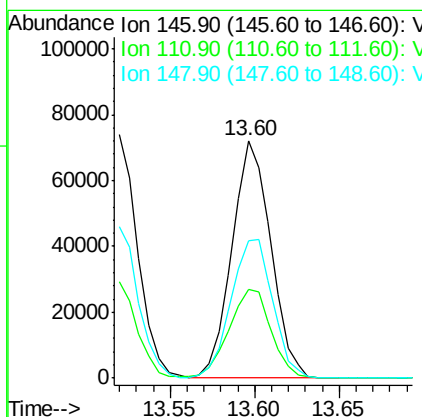
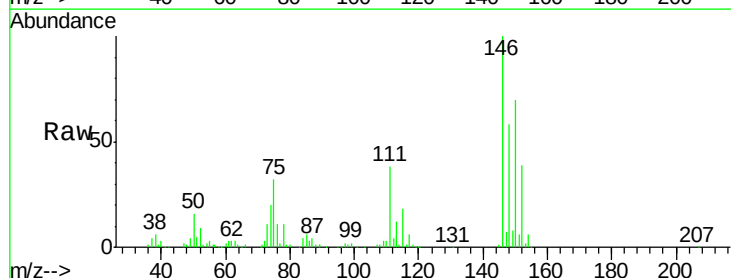
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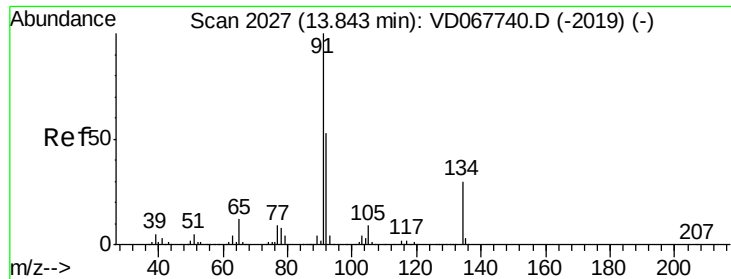
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#88
1,4-Dichlorobenzene
Concen: 19.578 ug/l
RT: 13.60 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.4	58.4
148	62.7	31.6	94.8





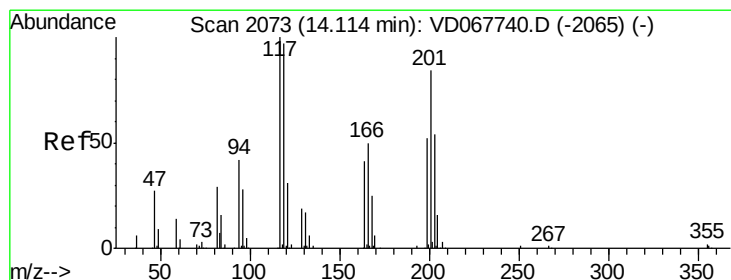
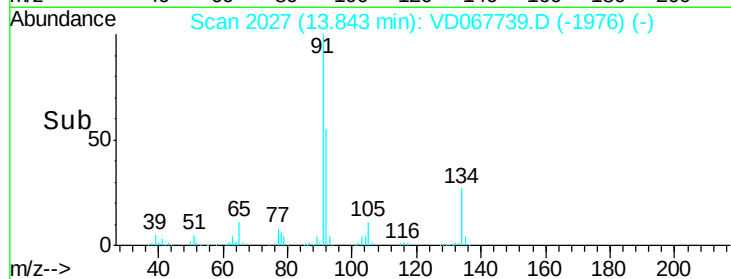
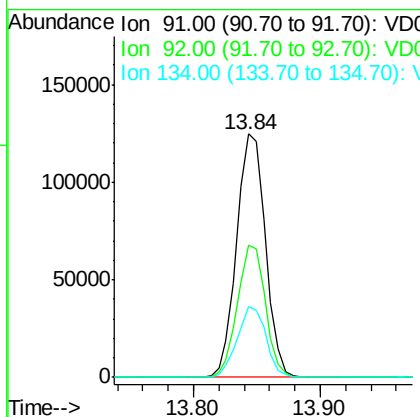
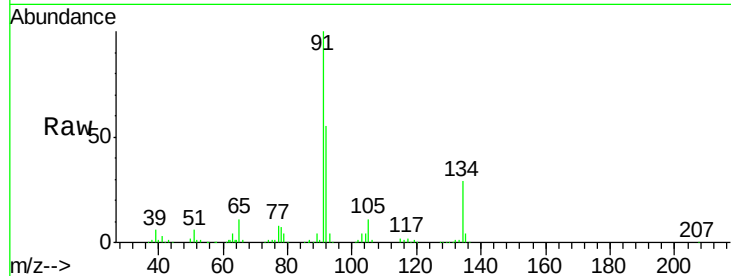
#89
n-Butylbenzene
Concen: 19.760 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	195716		
92	52.9		26.6	79.7
134	29.2		14.8	44.3

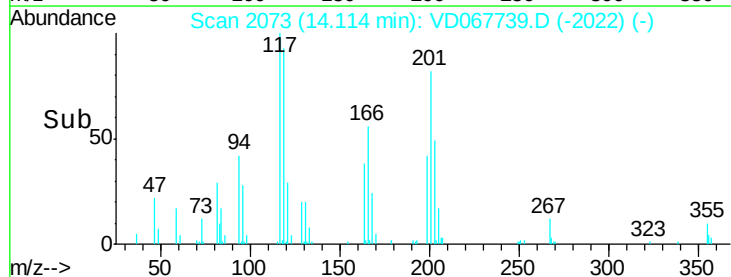
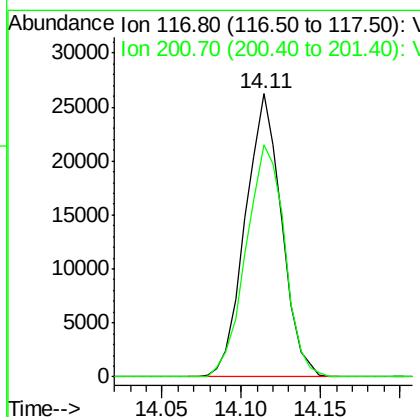
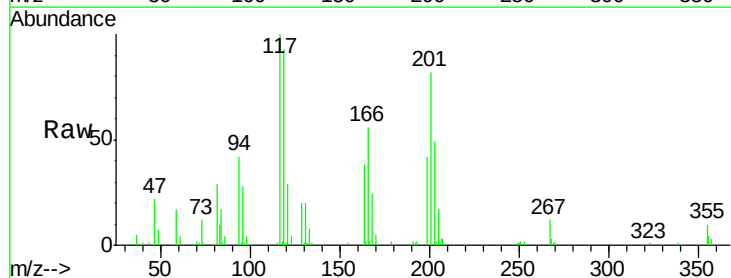
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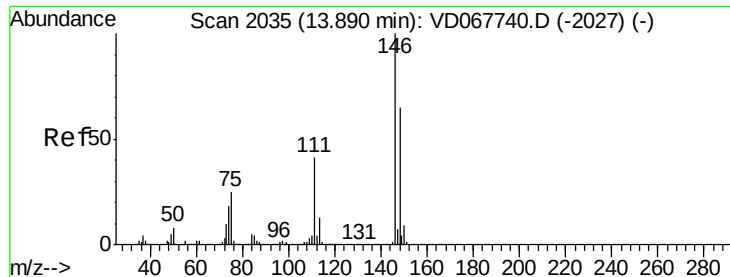
MMDadoda
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#90
Hexachloroethane
Concen: 18.911 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41694		
201	87.6		42.2	126.6





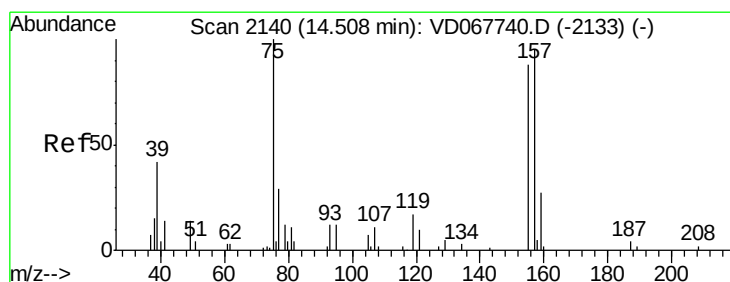
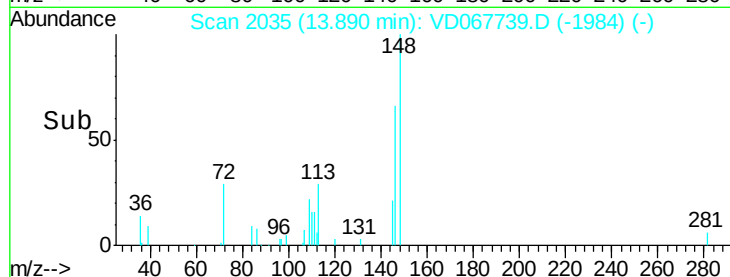
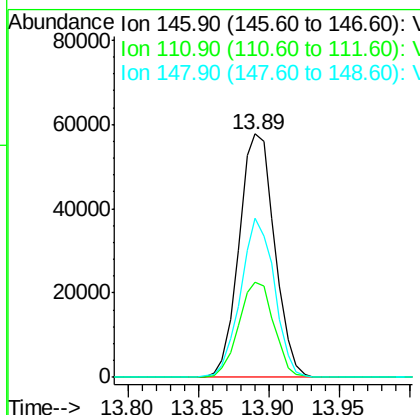
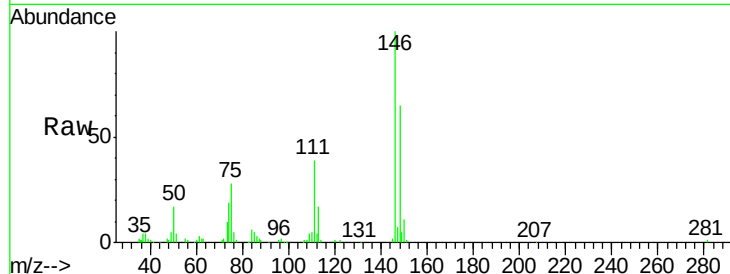
#91
 1,2-Dichlorobenzene
 Concen: 19.875 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.8	62.5
148	62.2	32.4	97.2

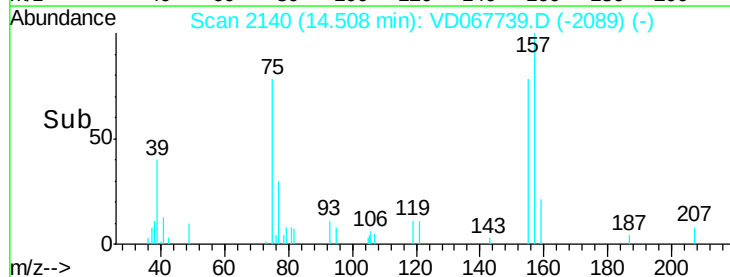
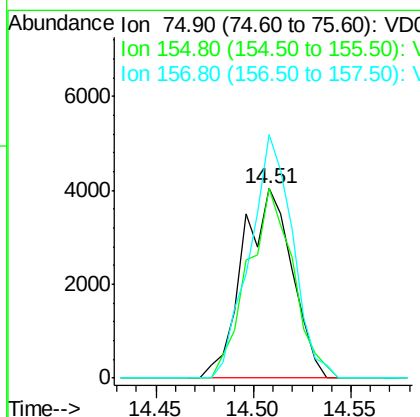
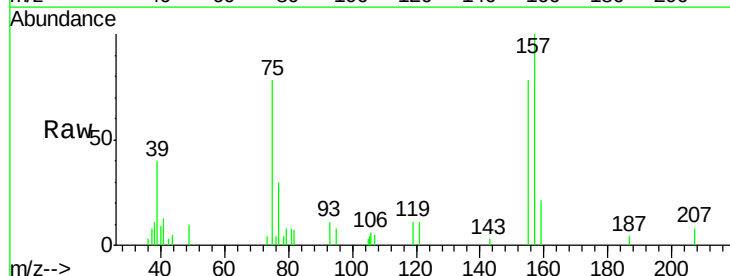
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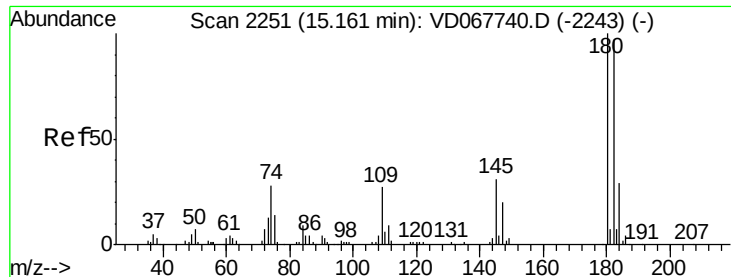
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.301 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	41.0	123.0
157	111.8	51.1	153.4





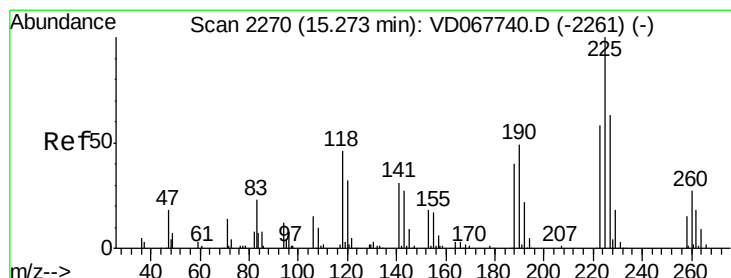
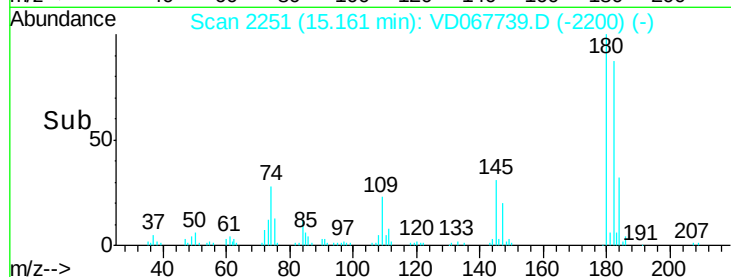
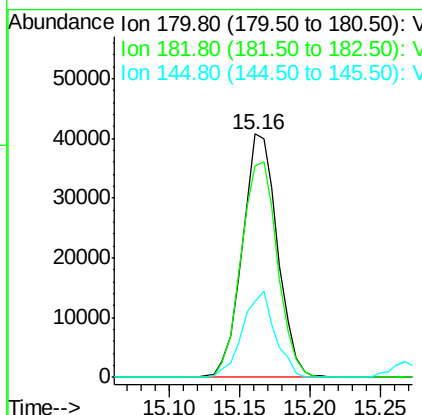
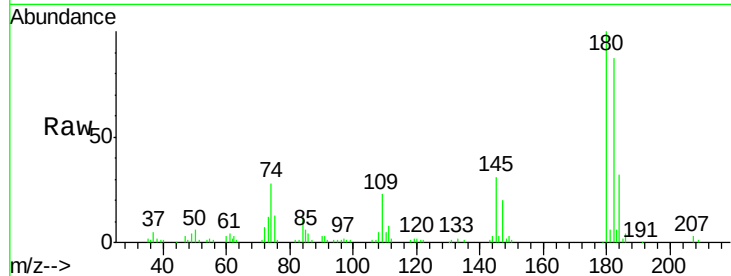
#93
 1,2,4-Trichlorobenzene
 Concen: 19.625 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.4	47.4	142.2
145	32.8	16.1	48.3

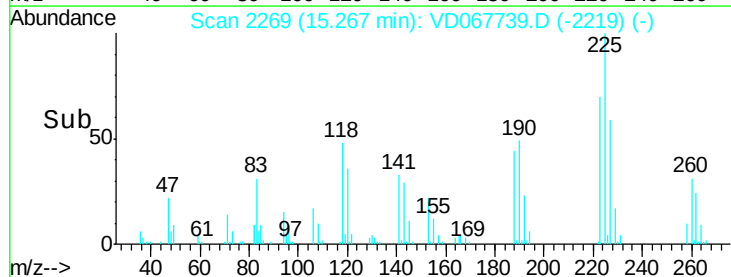
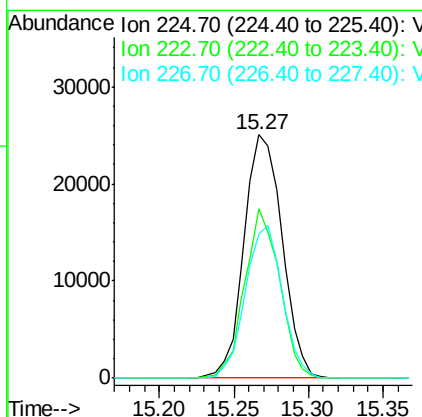
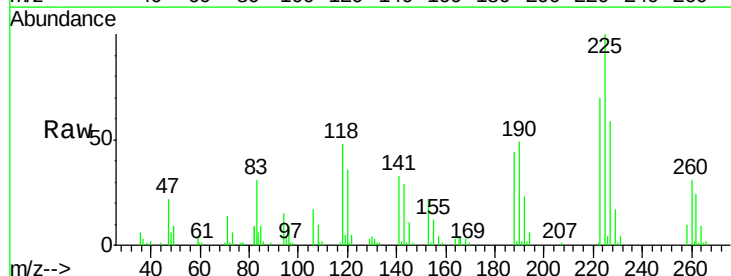
Manual Integrations
 APPROVED

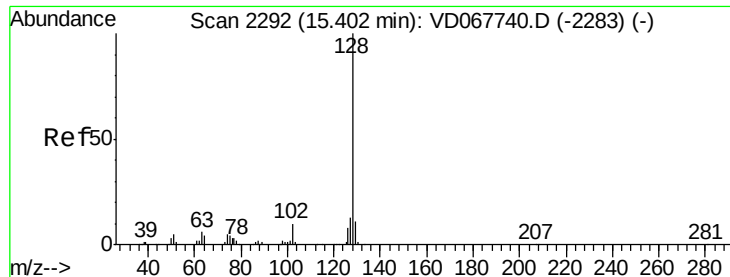
MMDadoda
 11/24/2020 2:56:29 PM



#94
 Hexachlorobutadiene
 Concen: 19.121 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067739.D
 Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.5	94.5
227	60.7	32.9	98.7





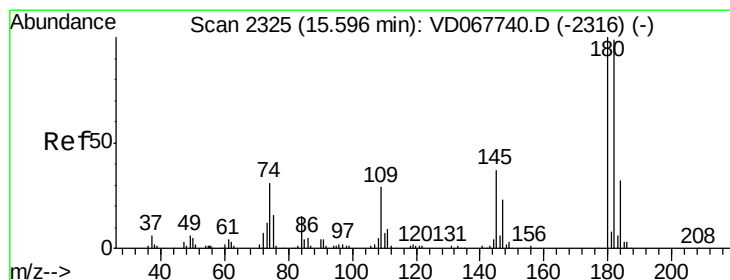
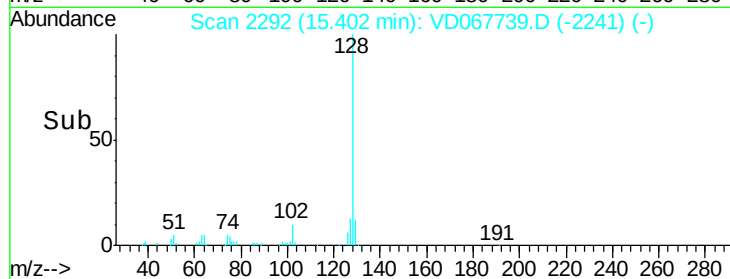
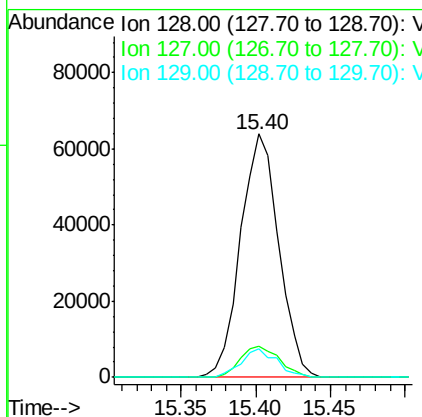
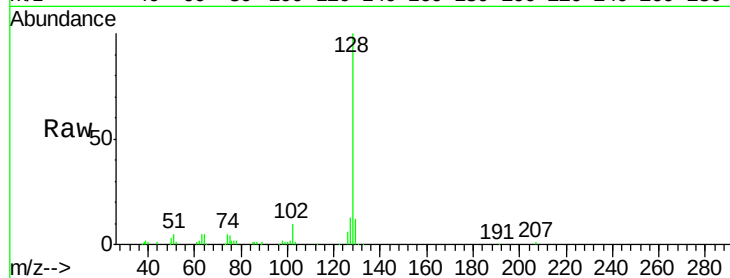
#95
Naphthalene
Concen: 19.331 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.187 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD067739.D
Acq: 23 Nov 2020 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.0	144.0
145	33.9	16.8	50.4

