

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066540.D
 Acq On : 03 Sep 2020 16:23
 Operator : VA/SY
 Sample : VSTDIC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 4:54:57 PM

Quant Time: Sep 04 01:37:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:16:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	388742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	628828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	568326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	465006	112.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.12%	
35) Dibromofluoromethane	7.91	113	430965	114.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.16%	
50) Toluene-d8	10.34	98	1636271	116.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	233.02%	
62) 4-Bromofluorobenzene	12.63	95	526603	105.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	304105	91.335	ug/l	93
3) Chloromethane	2.21	50	419980	174.419	ug/l	97
4) Vinyl Chloride	2.35	62	494006	171.797	ug/l	98
5) Bromomethane	2.75	94	331461	146.531	ug/l	87
6) Chloroethane	2.92	64	311312	163.472	ug/l	97
7) Trichlorofluoromethane	3.27	101	720209	97.017	ug/l	98
8) Diethyl Ether	3.70	74	199525	134.014	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	387199	118.729	ug/l	99
10) Methyl Iodide	4.30	142	421363	123.131	ug/l	97
11) Tert butyl alcohol	5.22	59	131355	430.247	ug/l	100
12) 1,1-Dichloroethene	4.07	96	369445	122.296	ug/l	96
13) Acrolein	3.92	56	89372	634.991	ug/l	96
14) Allyl chloride	4.71	41	637498	171.879	ug/l	99
15) Acrylonitrile	5.41	53	432382	777.498	ug/l	99
16) Acetone	4.15	43	411243	634.309	ug/l	98
17) Carbon Disulfide	4.40	76	1208858	134.222	ug/l	99
18) Methyl Acetate	4.71	43	197099	172.551	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	944523	121.401	ug/l	95
20) Methylene Chloride	4.96	84	449472	116.564	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	445368	126.820	ug/l	98
22) Diisopropyl ether	6.36	45	1332860	176.022	ug/l	98
23) Vinyl Acetate	6.30	43	3965291	836.923	ug/l	100
24) 1,1-Dichloroethane	6.26	63	789702	141.737	ug/l	98
25) 2-Butanone	7.21	43	580754	810.607	ug/l	95
26) 2,2-Dichloropropane	7.20	77	710891	108.391	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	499229	131.623	ug/l	100
28) Bromochloromethane	7.54	49	332729	191.072	ug/l	100
29) Tetrahydrofuran	7.56	42	365010	934.881	ug/l	99
30) Chloroform	7.71	83	838197	122.456	ug/l	99
31) Cyclohexane	7.98	56	690458	139.651	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	776192	105.578	ug/l	99
36) 1,1-Dichloropropene	8.11	75	646882	114.749	ug/l	98
37) Ethyl Acetate	7.29	43	251742	138.924	ug/l	96
38) Carbon Tetrachloride	8.10	117	679342	84.272	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	767420	116.042	ug/l	98
40) Benzene	8.34	78	1777092	121.127	ug/l	100
41) Methacrylonitrile	7.52	41	126422m	131.154	ug/l	
42) 1,2-Dichloroethane	8.42	62	560103	94.696	ug/l	100
43) Isopropyl Acetate	8.45	43	516517	139.745	ug/l	98
44) Trichloroethene	9.11	130	461525	95.654	ug/l	96
45) 1,2-Dichloropropane	9.38	63	443485	144.457	ug/l	94
46) Dibromomethane	9.47	93	248427	117.826	ug/l	97
47) Bromodichloromethane	9.66	83	668950	108.391	ug/l	98
48) Methyl methacrylate	9.45	41	274499	145.534	ug/l	97
49) 1,4-Dioxane	9.46	88	56269	2306.184	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	1321412	762.175	ug/l	99
52) Toluene	10.40	92	1154412	112.785	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	625861	111.703	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	737083	121.874	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	322159	120.696	ug/l	96
56) Ethyl methacrylate	10.66	69	414923	130.310	ug/l	98
57) 1,3-Dichloropropane	10.94	76	566349	126.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	846644	660.230	ug/l	97
59) 2-Hexanone	10.98	43	910222	731.820	ug/l	99
60) Dibromochloromethane	11.14	129	424019	99.682	ug/l	100
61) 1,2-Dibromoethane	11.24	107	316305	116.080	ug/l	100
64) Tetrachloroethene	10.87	164	378407	87.953	ug/l	94
65) Chlorobenzene	11.67	112	1174451	105.194	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	442485	95.148	ug/l	99
67) Ethyl Benzene	11.74	91	2246080	112.987	ug/l	99
68) m/p-Xylenes	11.86	106	1674453	218.074	ug/l	100
69) o-Xylene	12.18	106	754377	104.374	ug/l	98
70) Styrene	12.20	104	1327996	107.239	ug/l	99
71) Bromoform	12.36	173	227786	90.990	ug/l #	98
73) Isopropylbenzene	12.48	105	2119747	115.209	ug/l	100
74) N-amyl acetate	12.29	43	470407	155.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	343522	145.060	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	237824m	126.691	ug/l	
77) Bromobenzene	12.76	156	451670	99.157	ug/l	98
78) n-propylbenzene	12.82	91	2530445	123.253	ug/l	100
79) 2-Chlorotoluene	12.91	91	1403319	119.478	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1775777	111.280	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	116454	143.434	ug/l	94
82) 4-Chlorotoluene	13.01	91	1478792	117.257	ug/l	100
83) tert-Butylbenzene	13.23	119	1453578	105.414	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1778990	112.044	ug/l	98
85) sec-Butylbenzene	13.40	105	2066250	115.163	ug/l	100
86) p-Isopropyltoluene	13.52	119	1926265	109.311	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	897752	105.164	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	868155	100.985	ug/l	99
89) n-Butylbenzene	13.85	91	1834722	121.297	ug/l	99
90) Hexachloroethane	14.12	117	369932	113.635	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	764069	103.145	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	58103	102.773	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	490689	87.351	ug/l	98
94) Hexachlorobutadiene	15.27	225	276693	76.736	ug/l	98
95) Naphthalene	15.41	128	935799	104.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	421424	86.561	ug/l	100

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

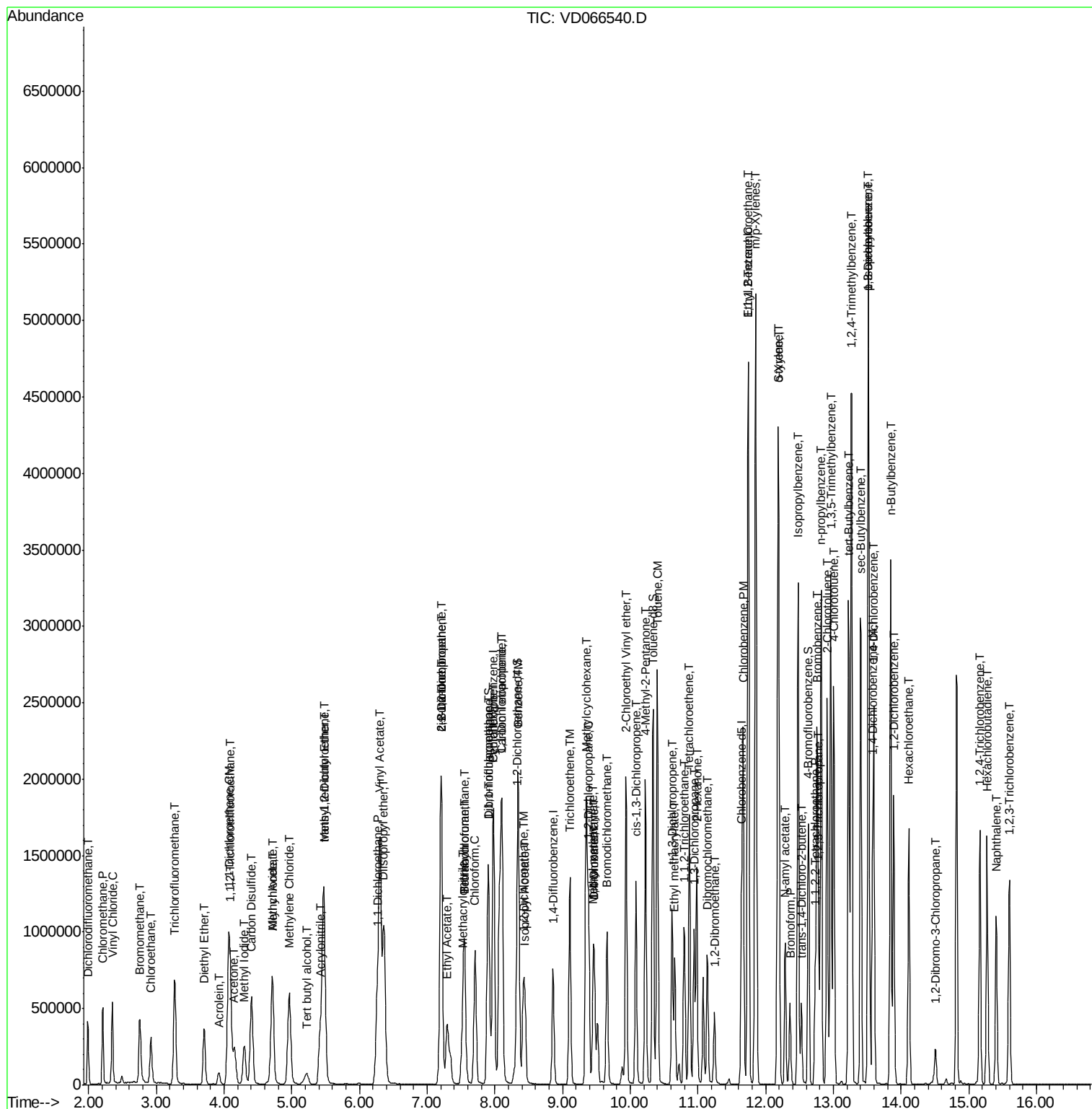
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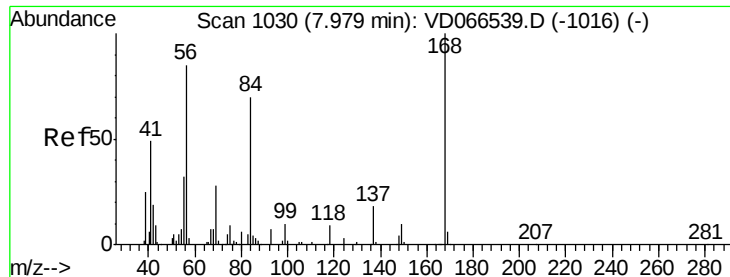
Instrument :
 MSVOA_D
 ClientSampleId :
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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 388742

Ion Ratio Lower Upper

168 100

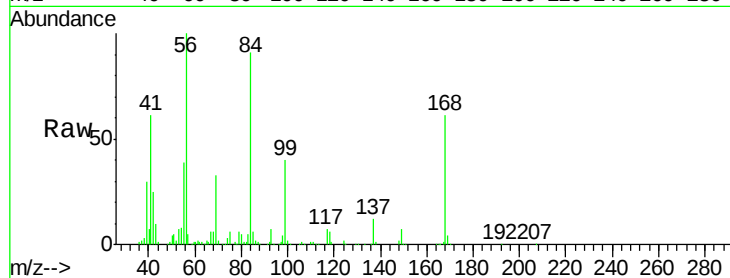
99 64.0 50.5 75.7

Manual Integrations

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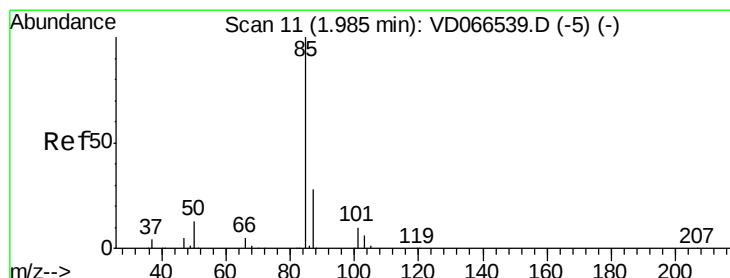
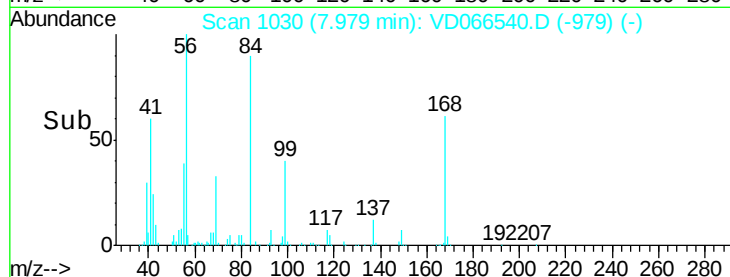
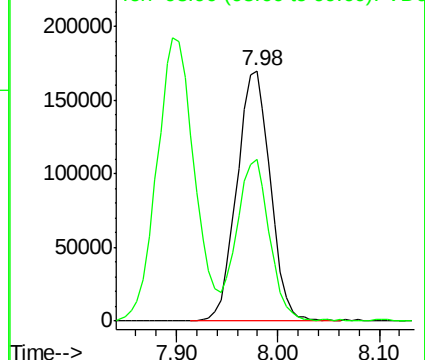
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 91.335 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066540.D

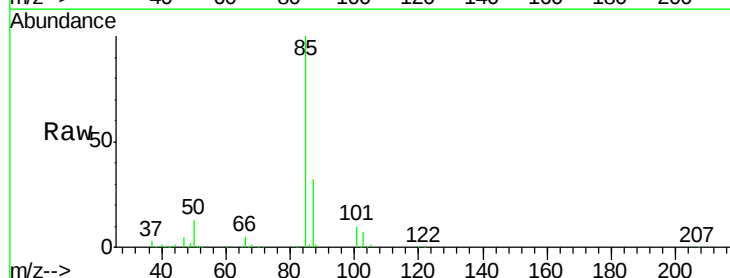
Acq: 03 Sep 2020 16:23

Tgt Ion: 85 Resp: 304105

Ion Ratio Lower Upper

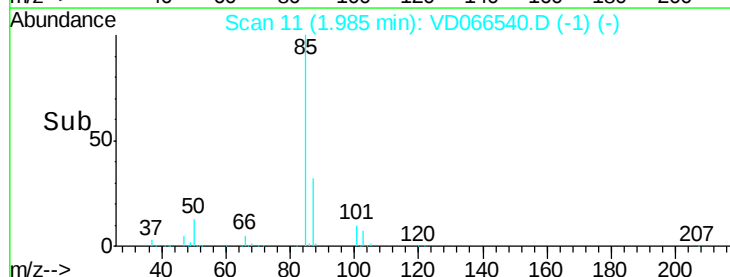
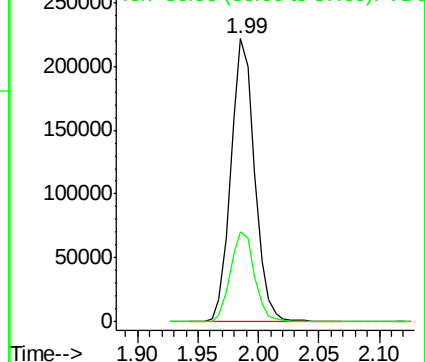
85 100

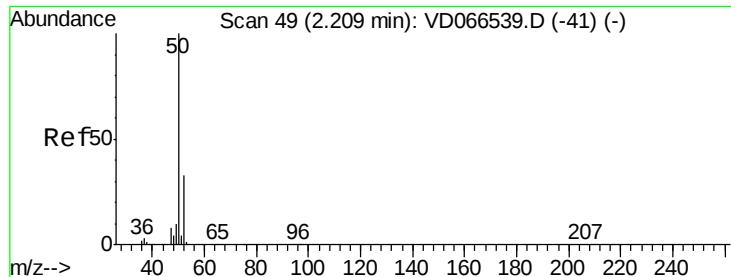
87 31.9 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 174.419 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 419980

Ion Ratio Lower Upper

50 100

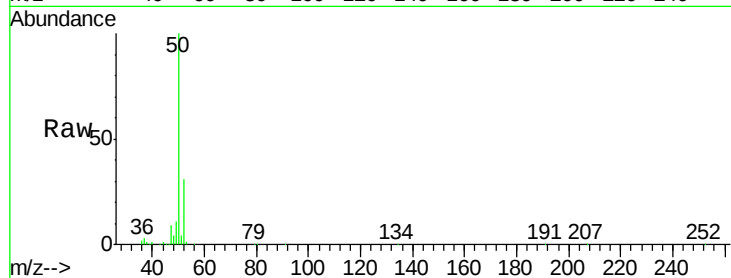
52 31.2 26.2 39.2

Manual Integrations

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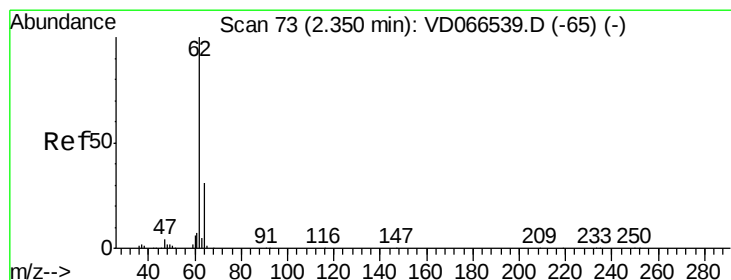
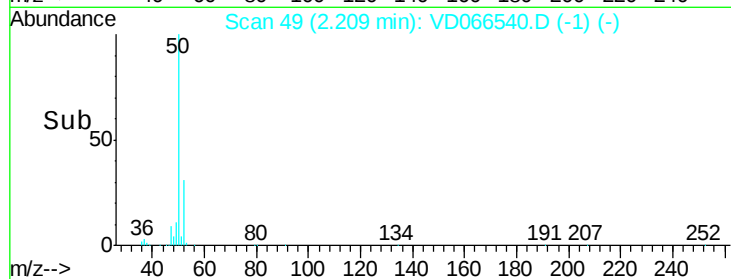
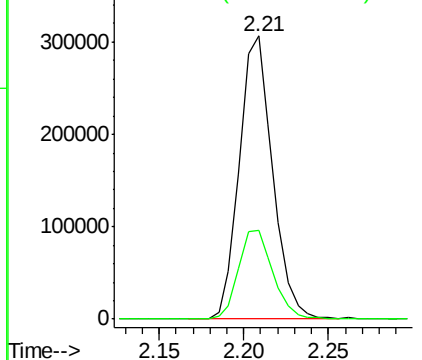
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 171.797 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066540.D

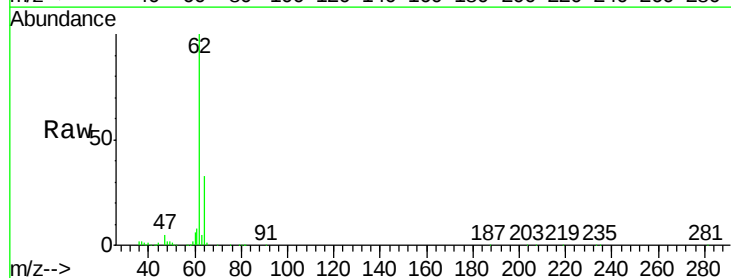
Acq: 03 Sep 2020 16:23

Tgt Ion: 62 Resp: 494006

Ion Ratio Lower Upper

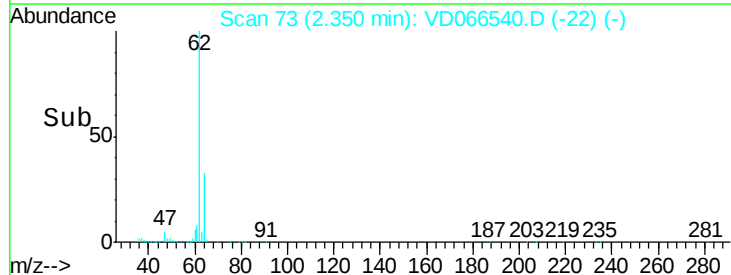
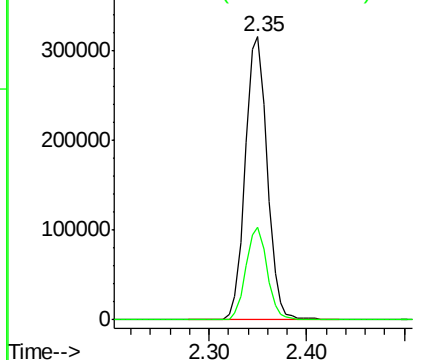
62 100

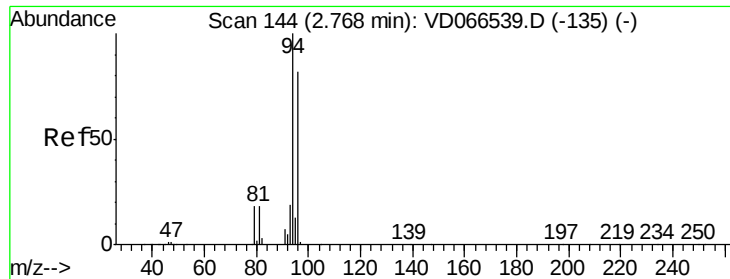
64 32.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 146.531 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 331461

Ion Ratio Lower Upper

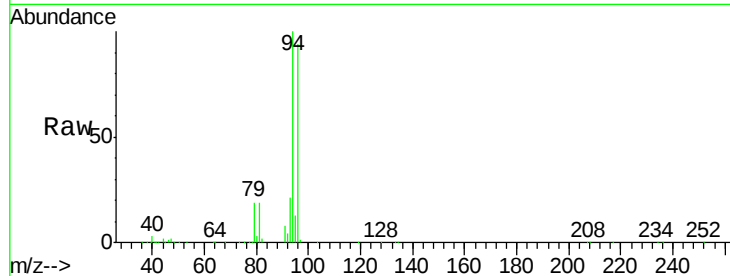
94 100

96 93.5 65.2 97.8

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

Ion 95.90 (95.60 to 96.60): VDC

2.75

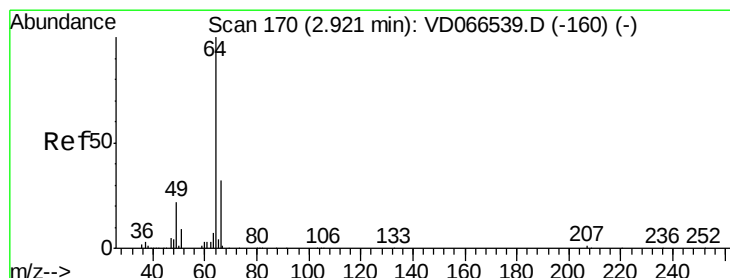
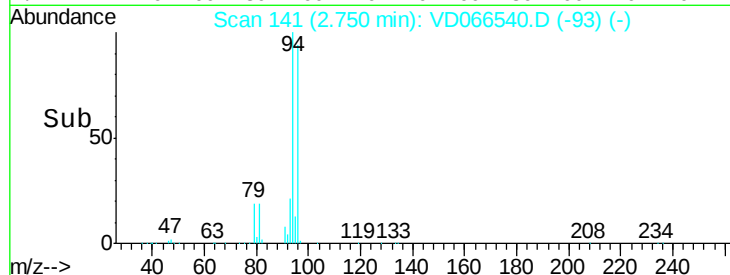
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100000

50000

0

Time-->



#6

Chloroethane

Concen: 163.472 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066540.D

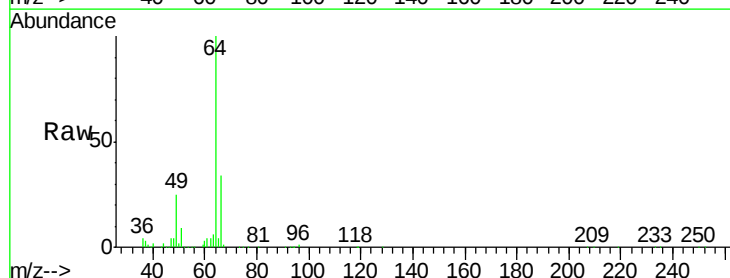
Acq: 03 Sep 2020 16:23

Tgt Ion: 64 Resp: 311312

Ion Ratio Lower Upper

64 100

66 33.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

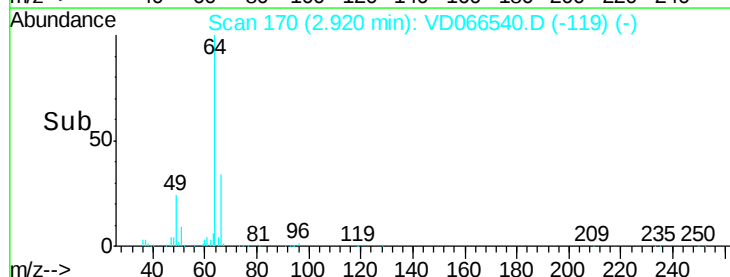
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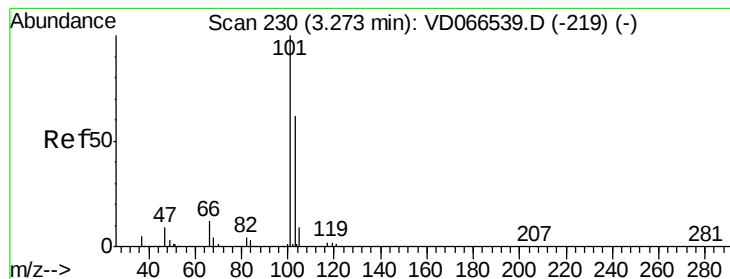
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Time-->





#7

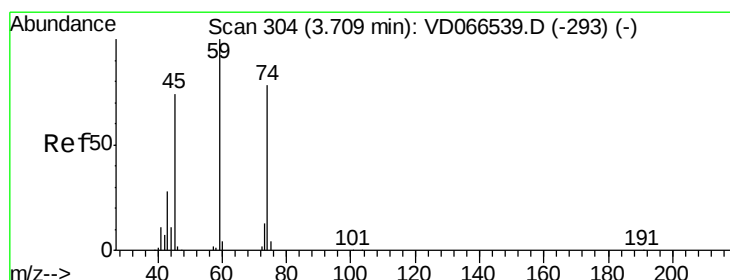
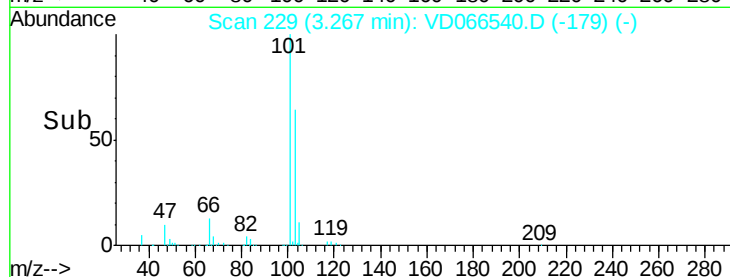
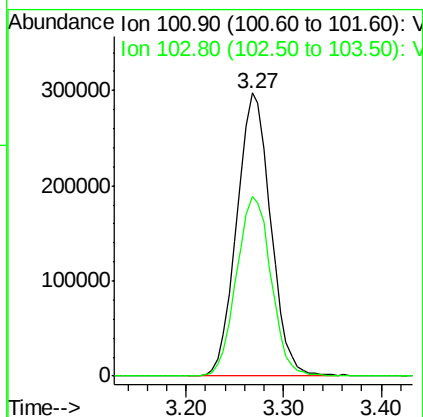
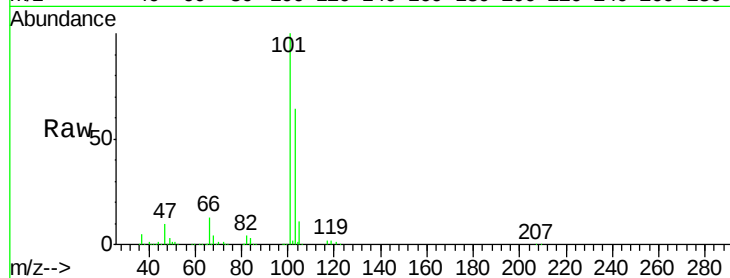
Trichlorofluoromethane
 Concen: 97.017 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.7	74.5

Manual Integrations
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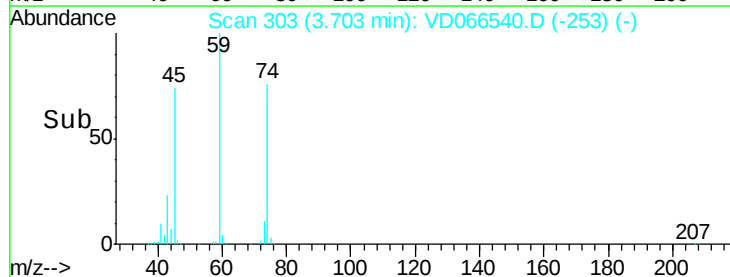
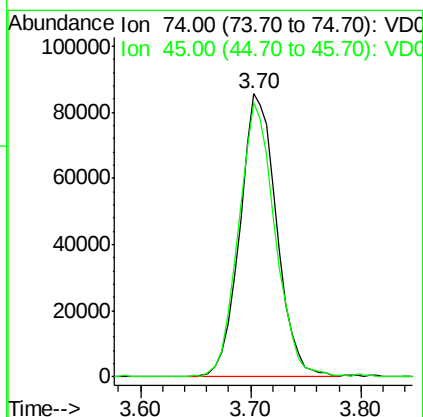
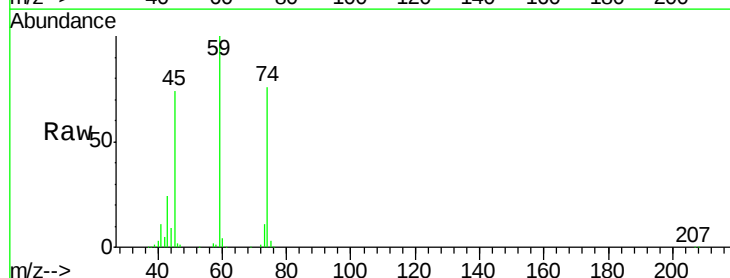
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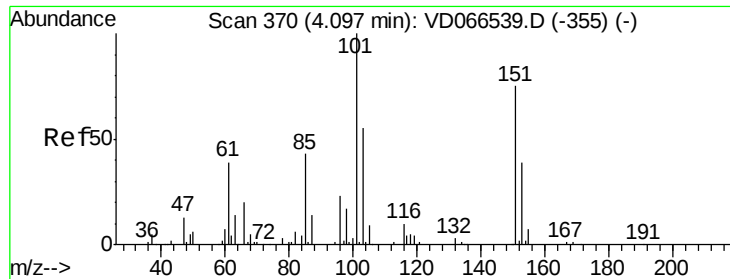


#8

Diethyl Ether
 Concen: 134.014 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 118.729 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

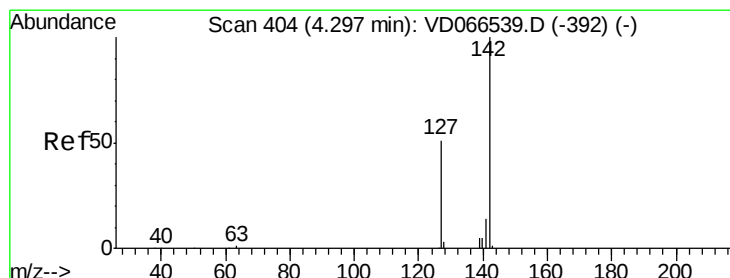
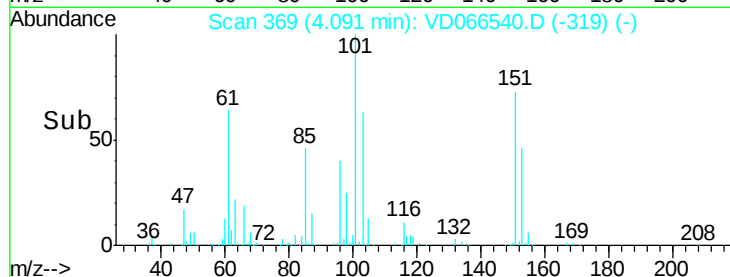
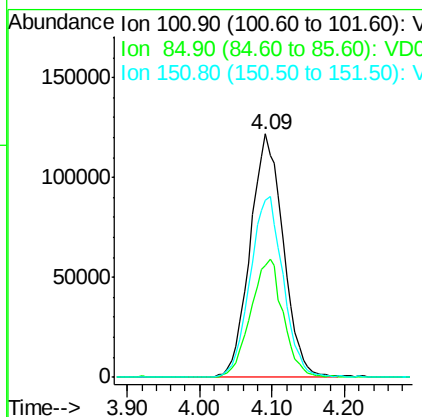
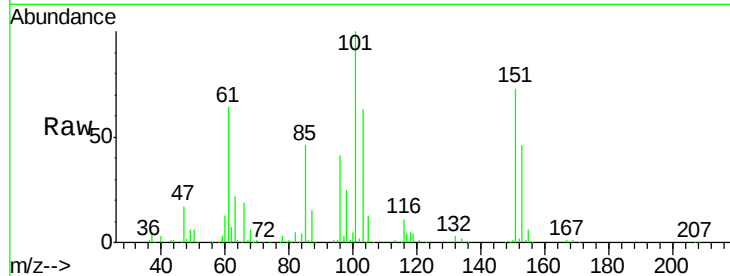
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	387199
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.0	55.6
151	74.3	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 123.131 ug/l

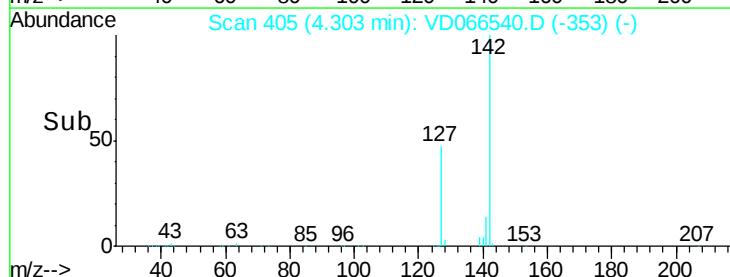
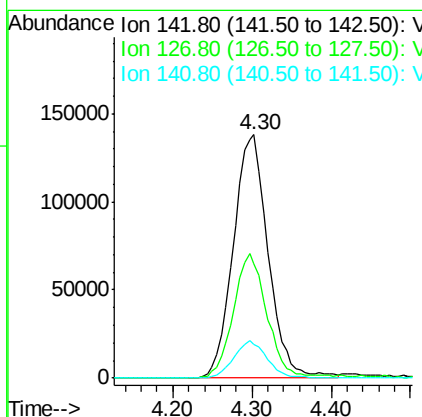
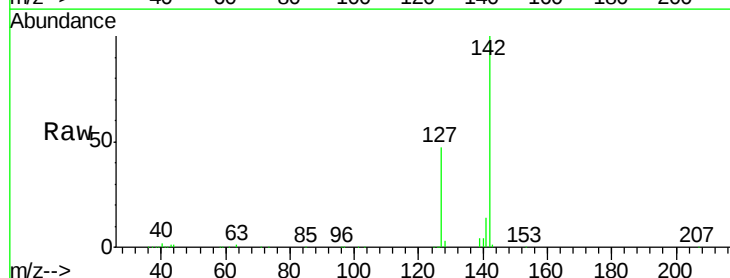
RT: 4.30 min Scan# 405

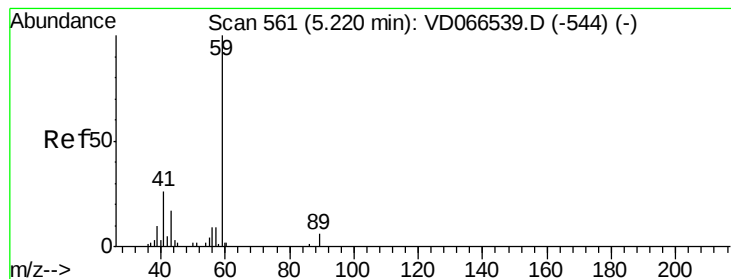
Delta R.T. 0.01 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Tgt Ion:	142	Resp:	421363
Ion Ratio	Lower	Upper	
142	100		
127	48.8	40.6	61.0
141	14.7	12.2	18.4





#11

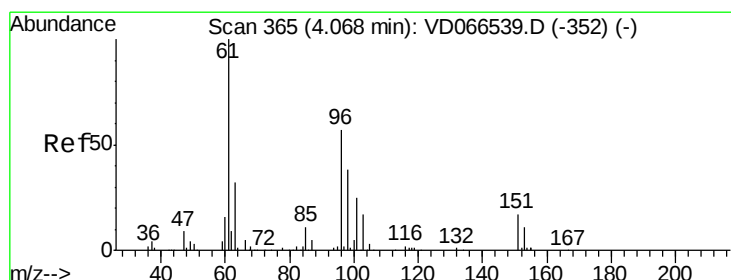
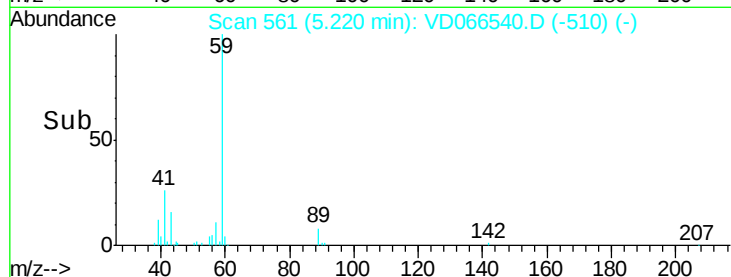
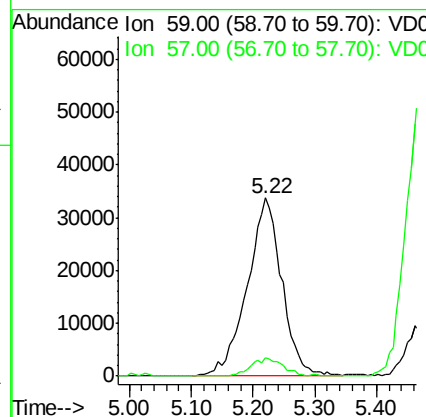
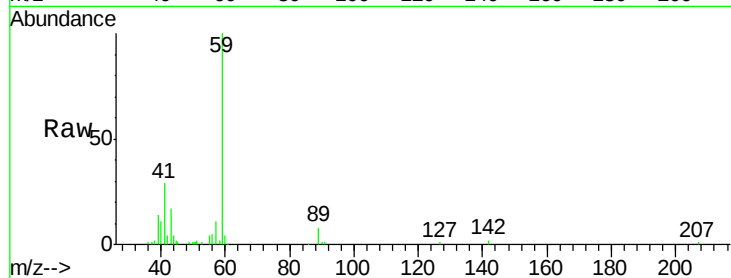
Tert butyl alcohol
Concen: 430.247 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	131355		
57	9.4		7.6	11.4

Manual Integrations
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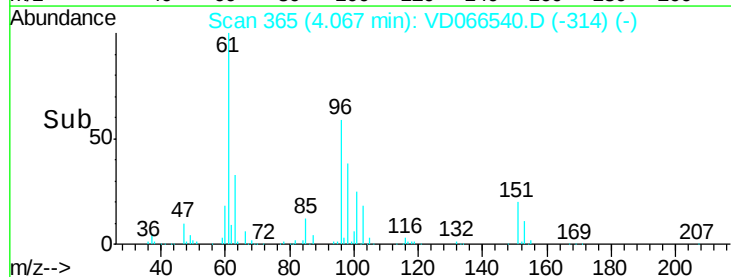
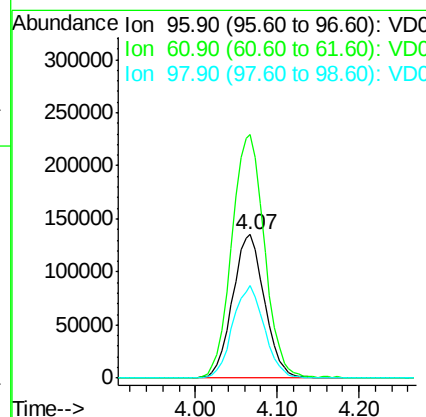
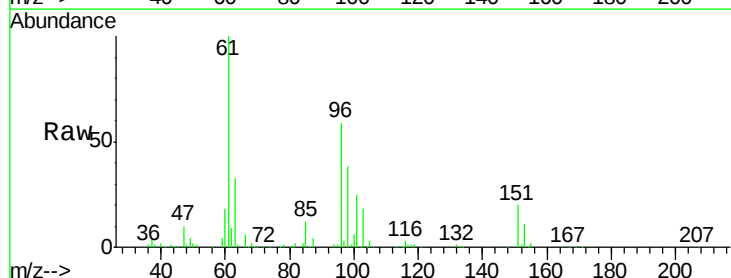
MMDadoda
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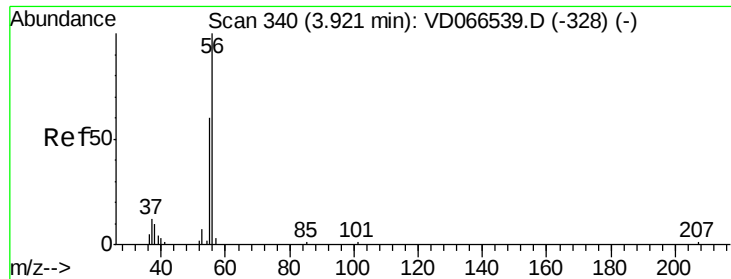


#12

1,1-Dichloroethene
Concen: 122.296 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	369445		
61	169.3		140.9	211.3
98	64.7		53.2	79.8





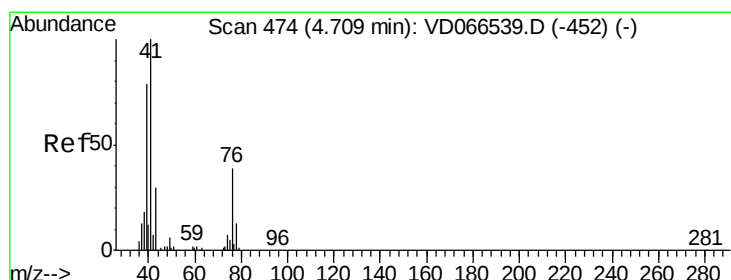
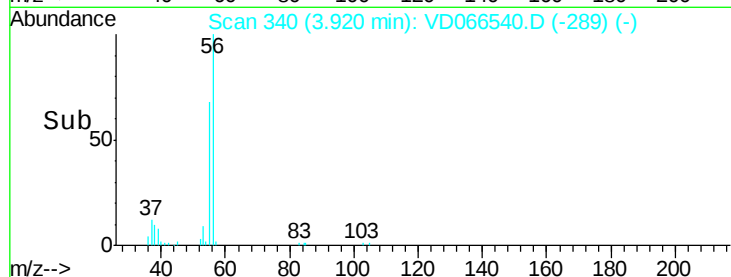
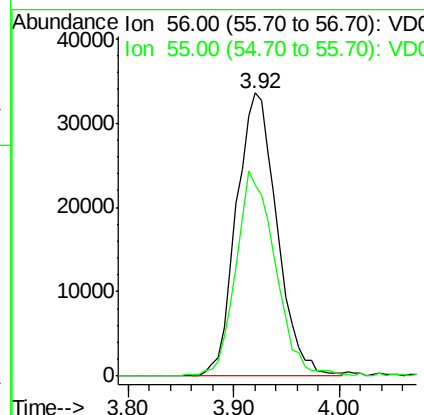
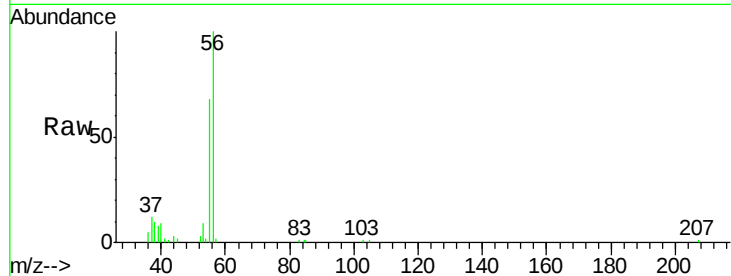
#13
Acrolein
Concen: 634.991 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	89372
Ion Ratio	100	Lower	Upper
55	70.1	53.6	80.4

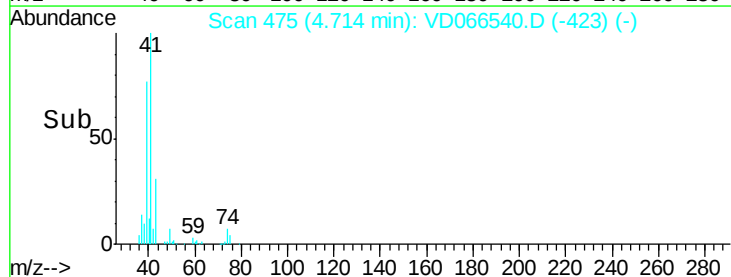
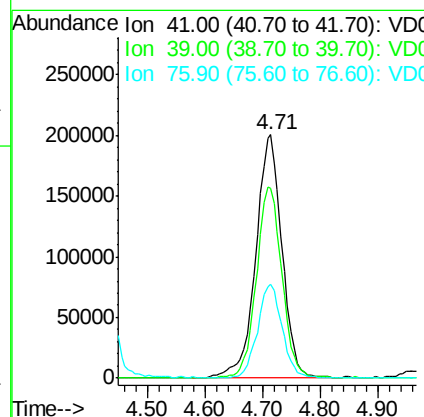
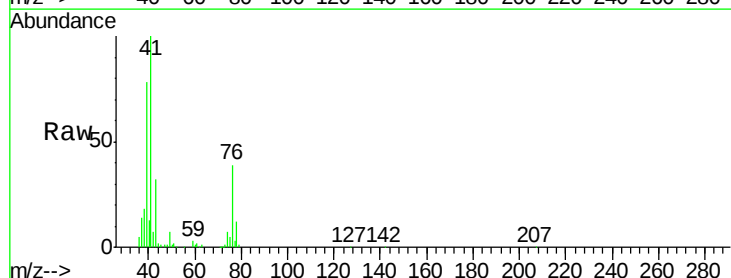
Manual Integrations
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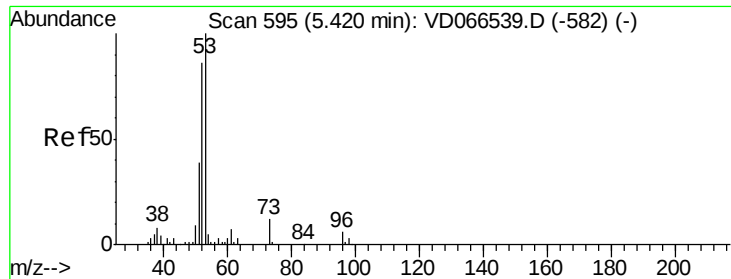
MMDadoda
9/4/2020 4:54:57 PM



#14
Allyl chloride
Concen: 171.879 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	41	Resp	637498
Ion Ratio	100	Lower	Upper
39	76.8	61.9	92.9
76	35.8	29.0	43.6





#15

Acrylonitrile

Concen: 777.498 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

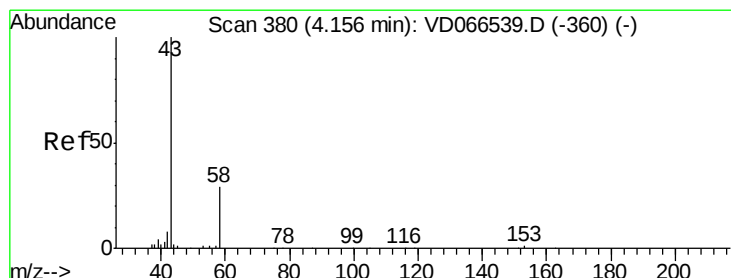
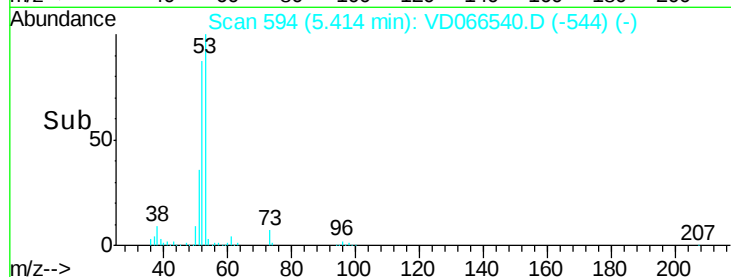
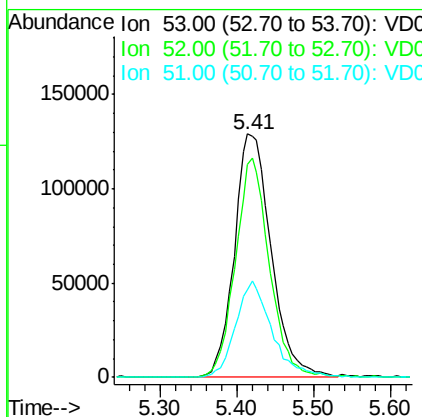
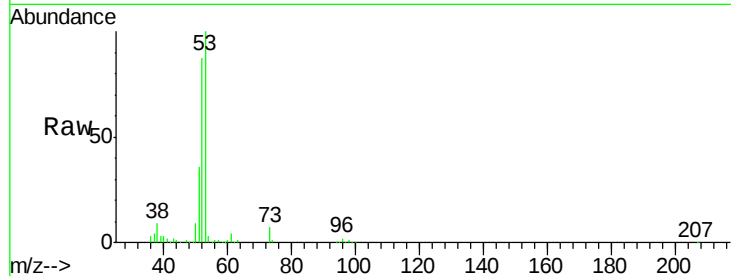
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	432382
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.4	98.2
51	39.1	31.2	46.8

Manual Integrations
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#16

Acetone

Concen: 634.309 ug/l

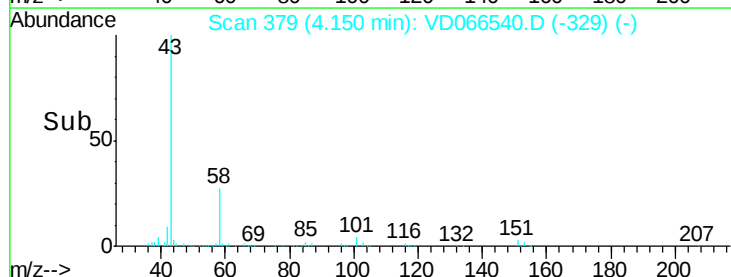
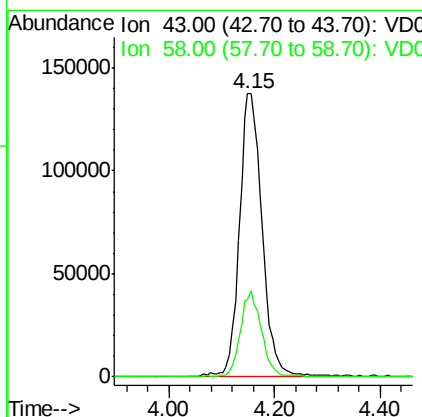
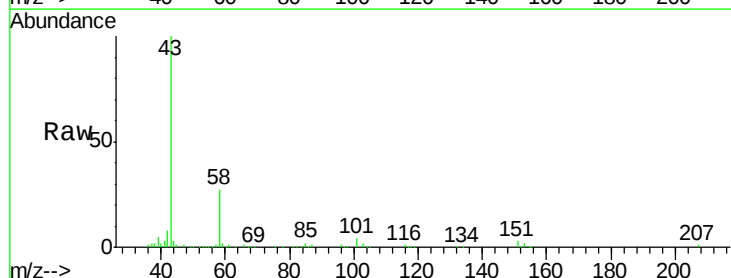
RT: 4.15 min Scan# 379

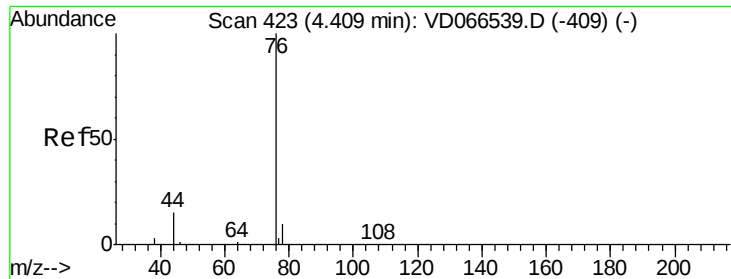
Delta R.T. -0.01 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Tgt Ion:	43	Resp:	411243
Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.9	34.3





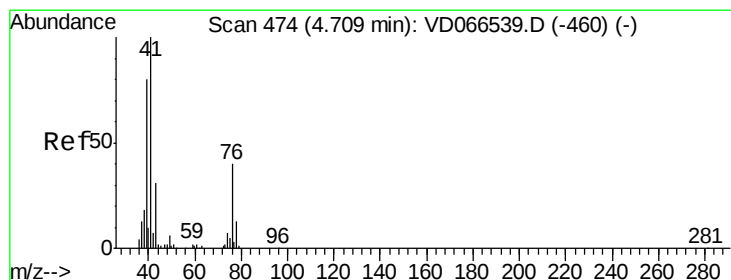
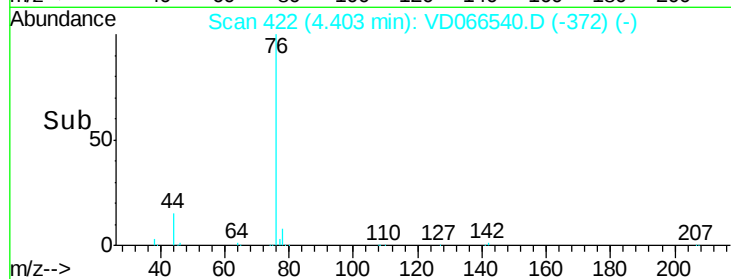
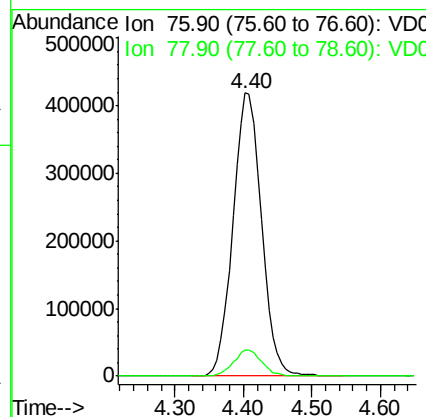
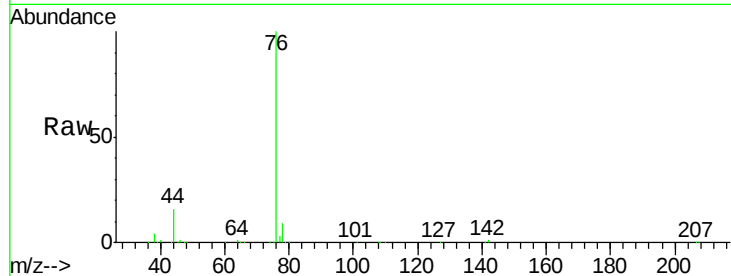
#17
Carbon Disulfide
Concen: 134.222 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1208858
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

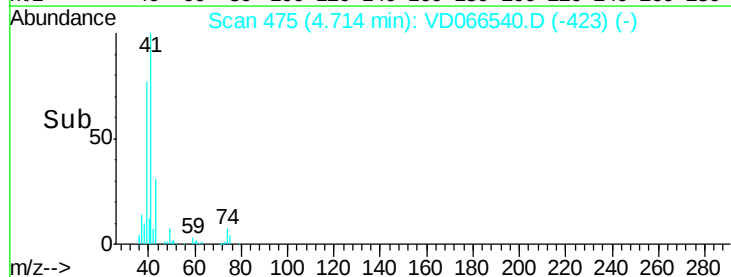
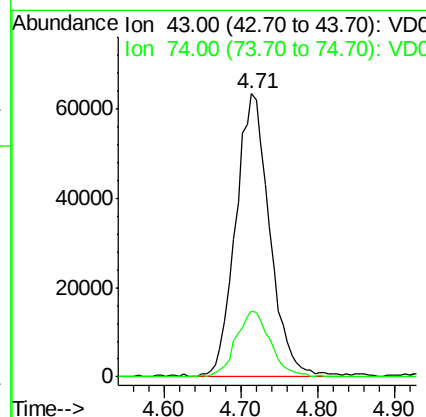
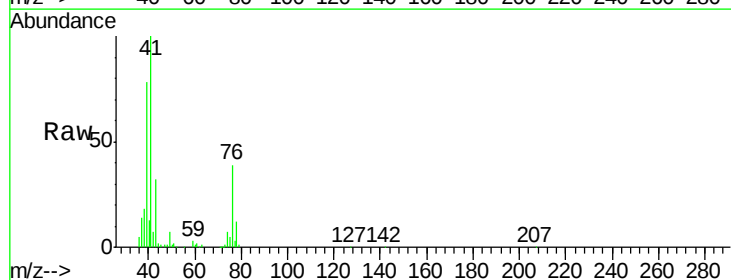
Manual Integrations
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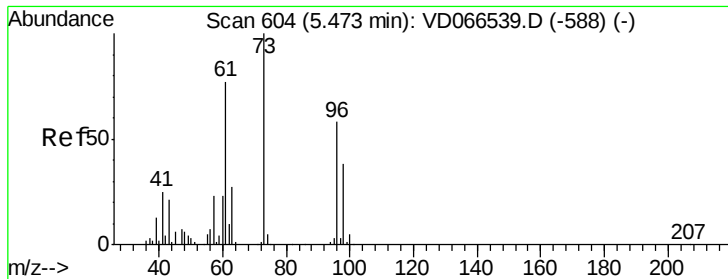
MMDadoda
9/4/2020 4:54:57 PM



#18
Methyl Acetate
Concen: 172.551 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion: 43 Resp: 197099
Ion Ratio Lower Upper
43 100
74 23.5 18.0 27.0





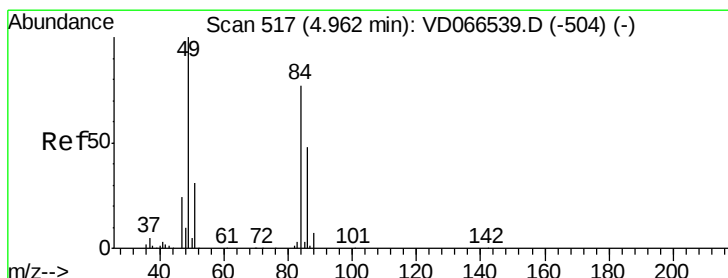
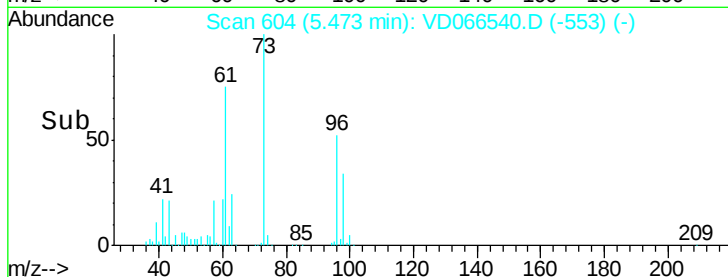
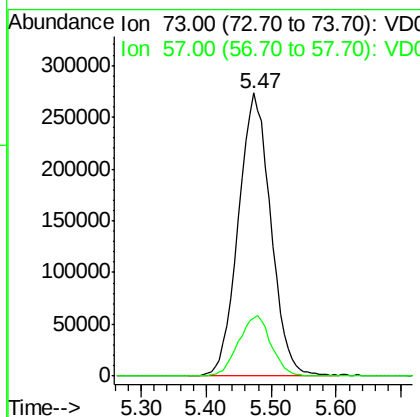
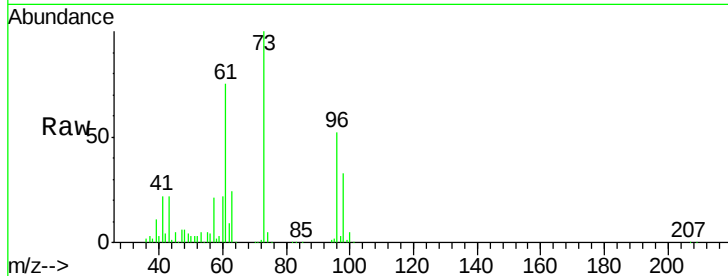
#19
Methyl tert-butyl Ether
Concen: 121.401 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	18.3	27.5

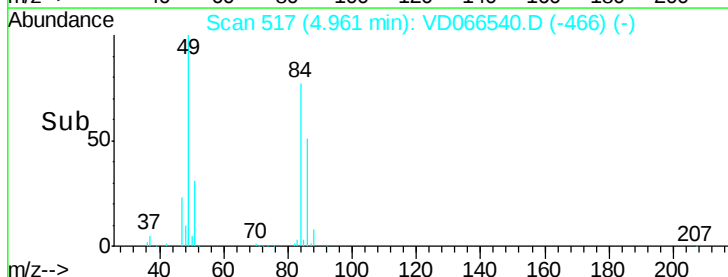
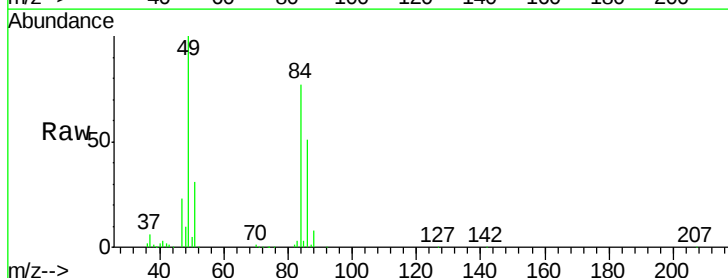
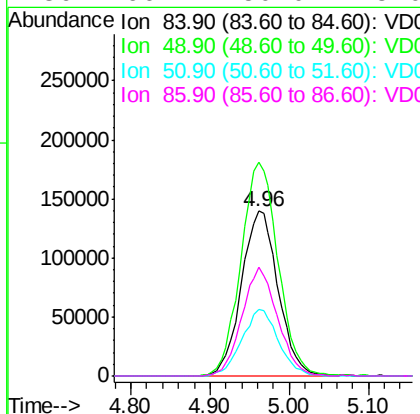
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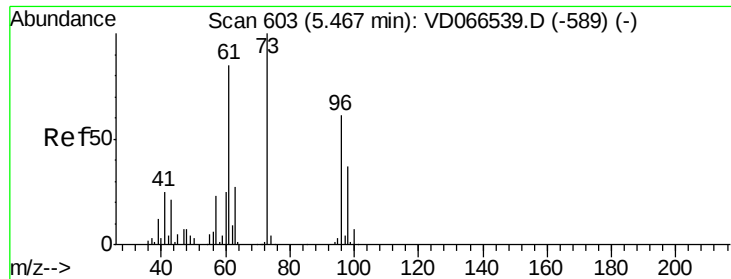
MMDadoda
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#20
Methylene Chloride
Concen: 116.564 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.4	104.3	156.5
51	40.1	32.2	48.4
86	66.2	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 126.820 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 445368

Ion Ratio Lower Upper

96 100

61 136.9 112.1 168.1

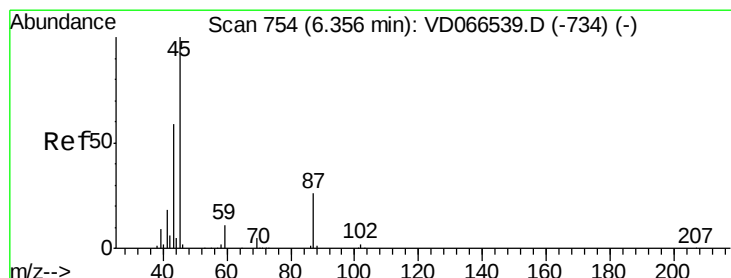
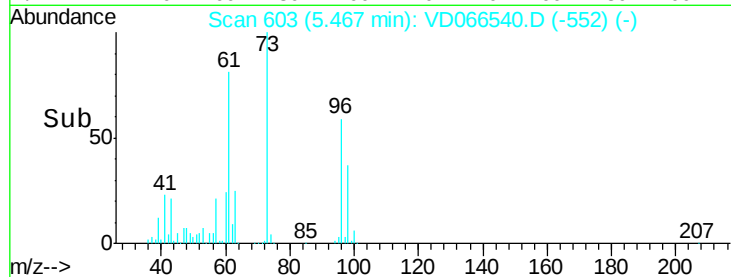
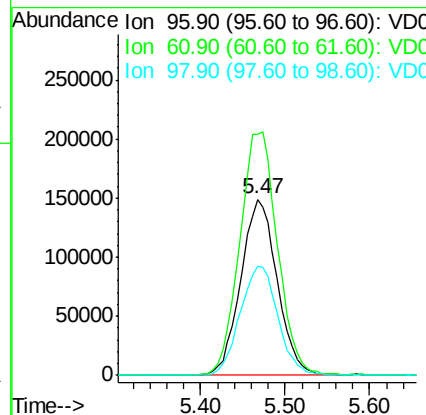
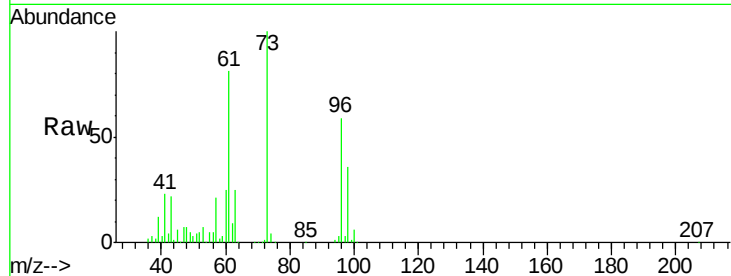
98 61.8 48.6 72.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 176.022 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Tgt Ion: 45 Resp: 1332860

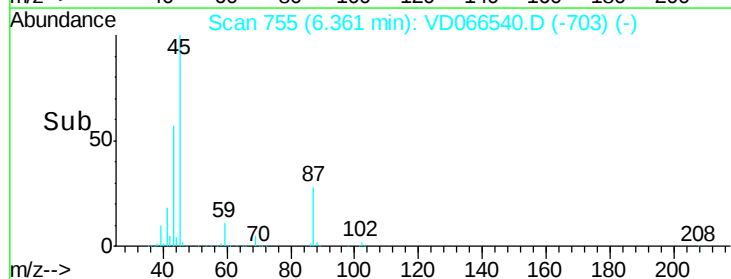
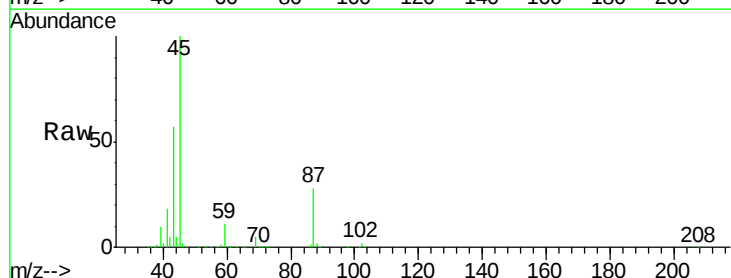
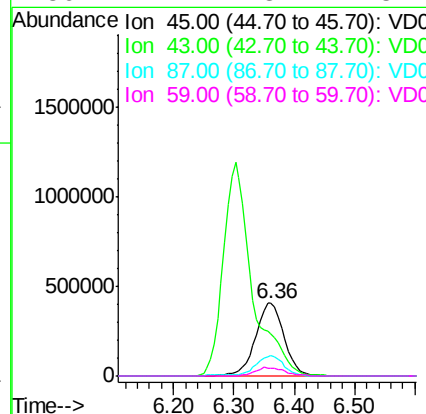
Ion Ratio Lower Upper

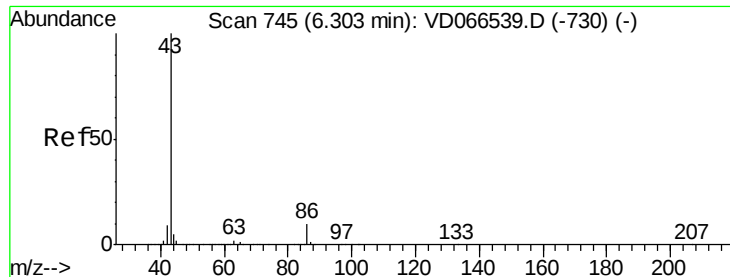
45 100

43 57.1 47.0 70.4

87 27.7 21.3 31.9

59 11.2 8.7 13.1





#23

Vinyl Acetate

Concen: 836.923 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3965291

Ion Ratio Lower Upper

43 100

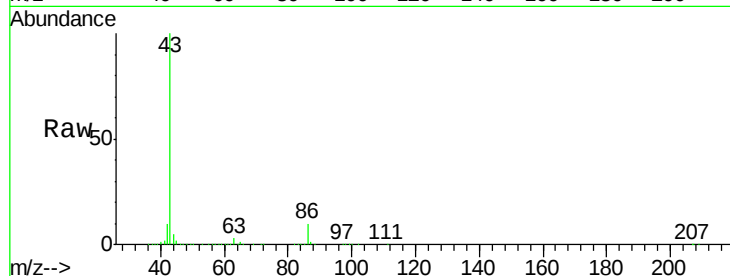
86 9.7 7.7 11.5

Manual Integrations

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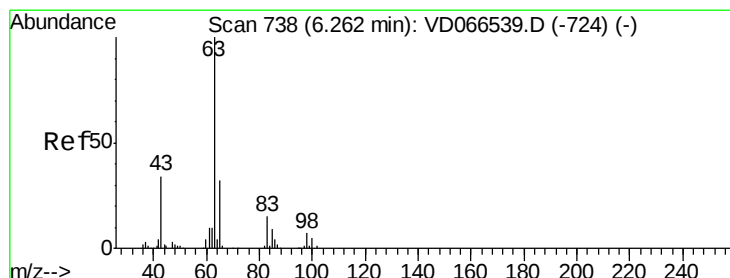
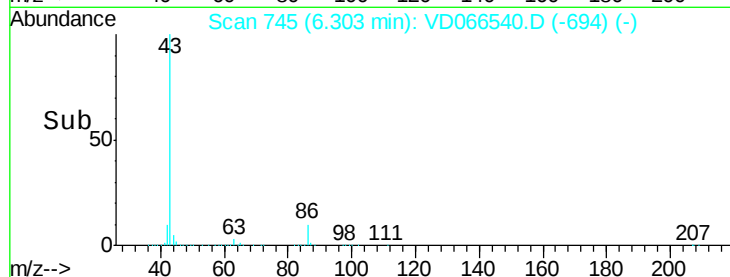
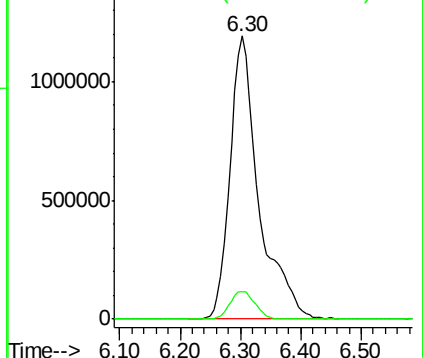
MMDadoda

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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: 141.737 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

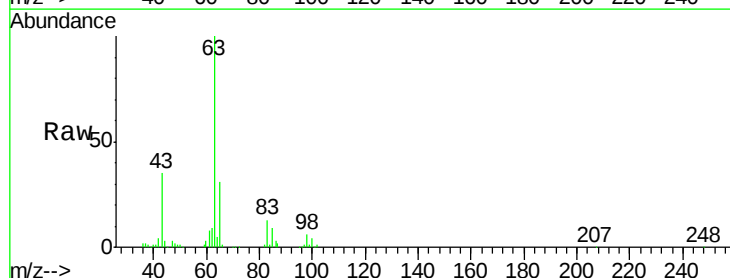
Tgt Ion: 63 Resp: 789702

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

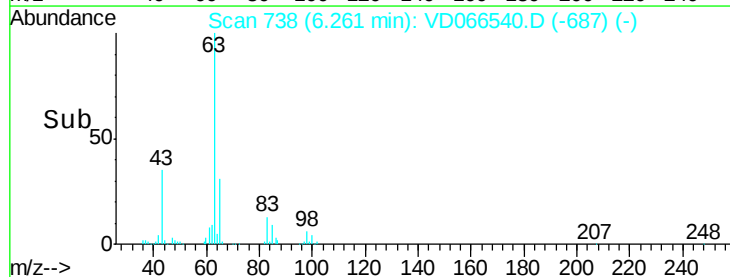
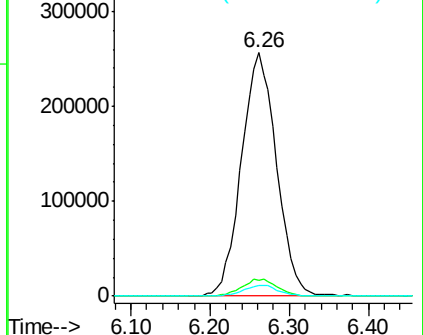
100 4.1 2.5 7.4

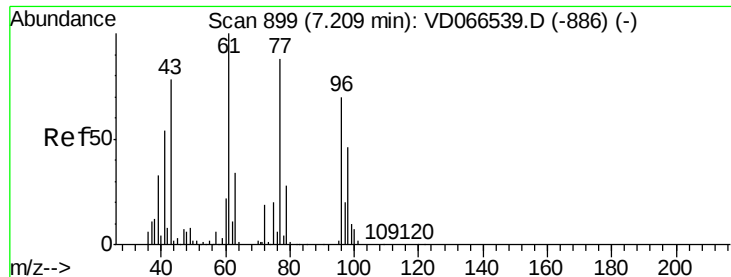


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 810.607 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 580754

Ion Ratio Lower Upper

43 100

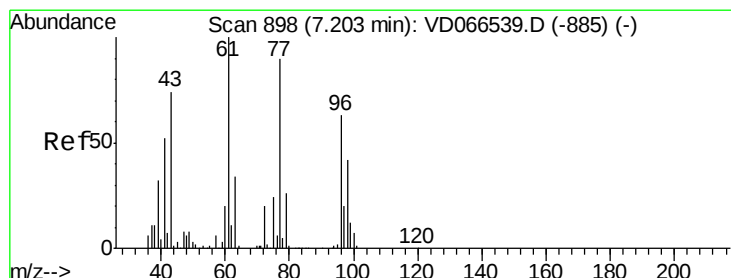
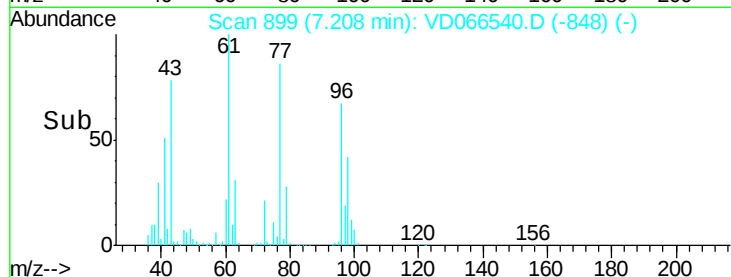
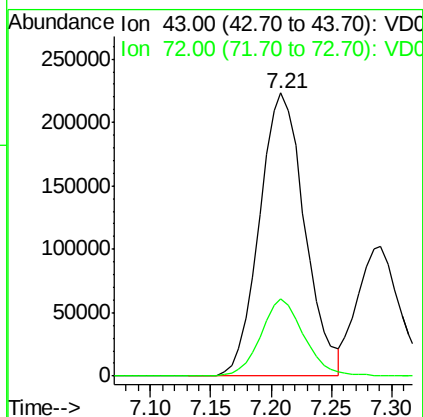
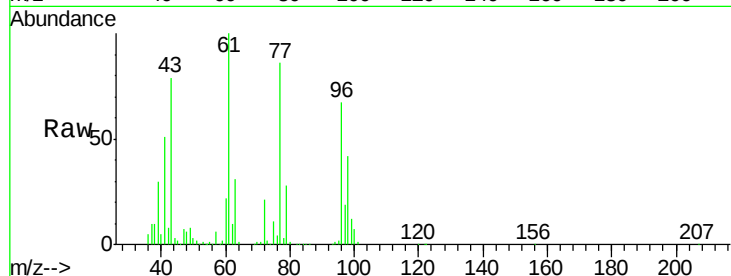
72 27.2 19.8 29.6

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#26

2,2-Dichloropropane

Concen: 108.391 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066540.D

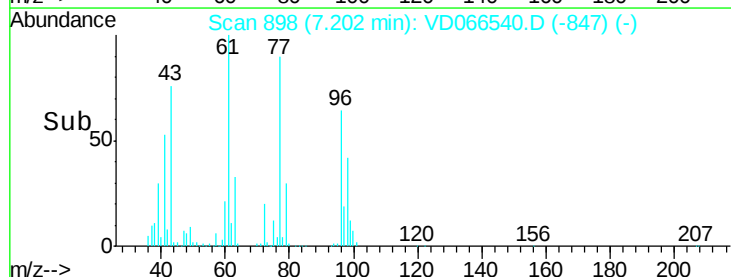
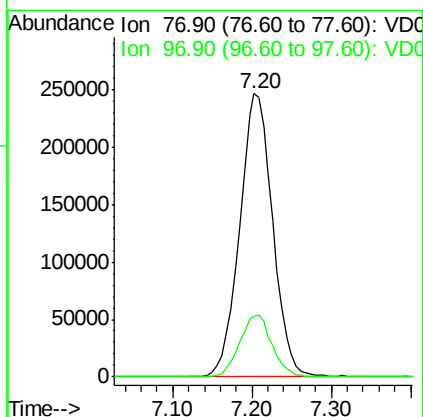
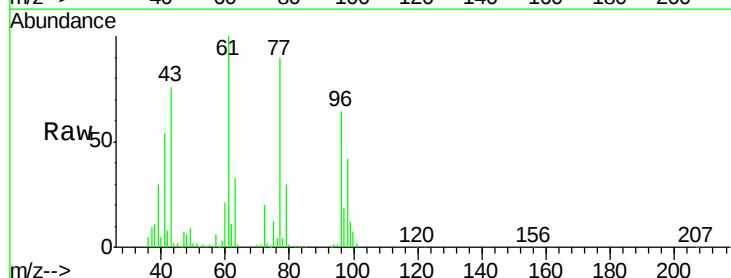
Acq: 03 Sep 2020 16:23

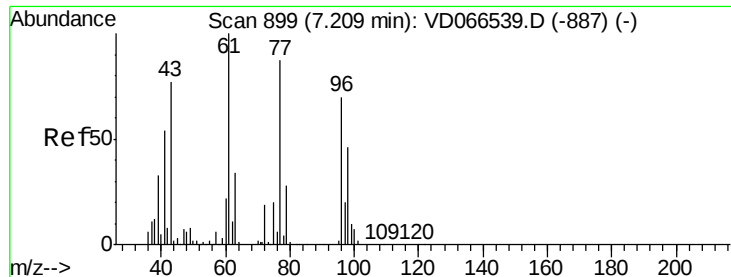
Tgt Ion: 77 Resp: 710891

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.3





#27

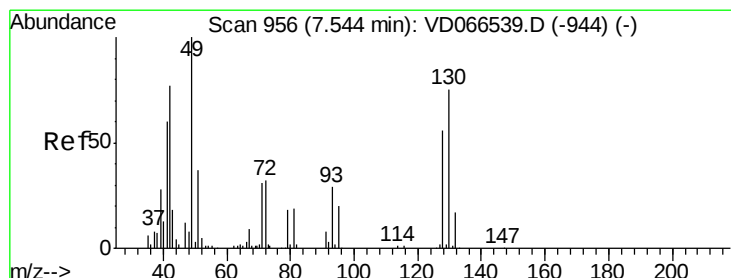
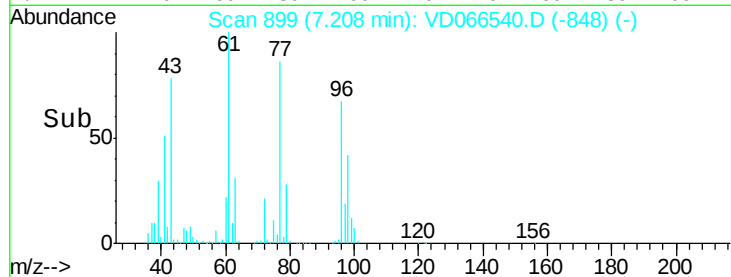
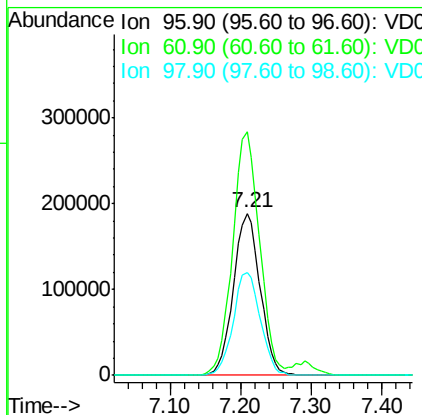
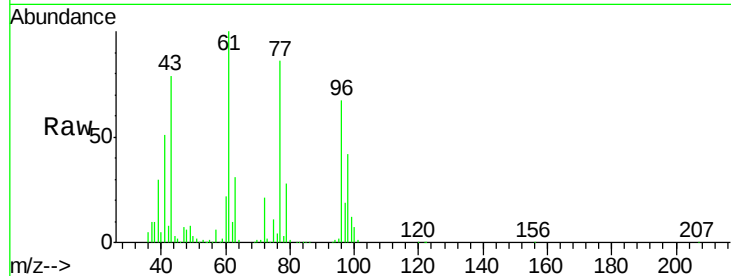
cis-1,2-Dichloroethene
Concen: 131.623 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	499229		
61	150.3		0.0	301.0
98	64.4		0.0	129.8

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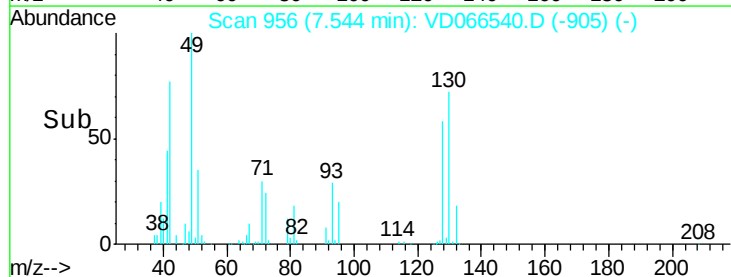
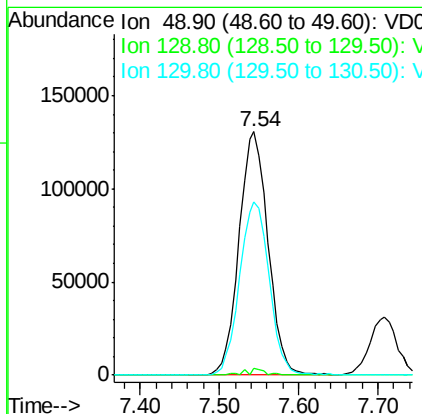
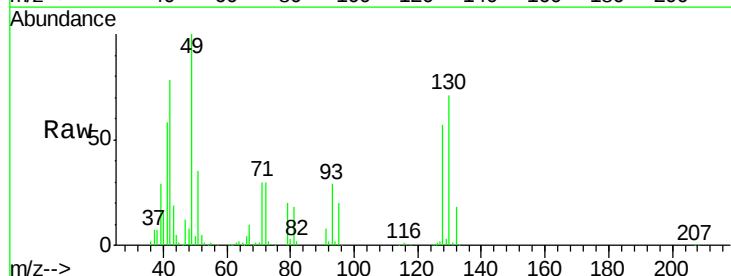
MMDadoda
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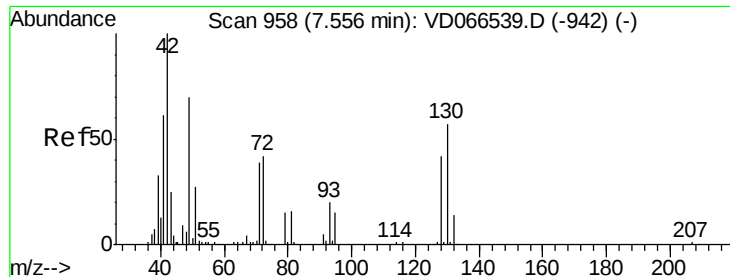


#28

Bromochloromethane
Concen: 191.072 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	332729		
129	1.7		0.0	2.6
130	72.6		58.2	87.2





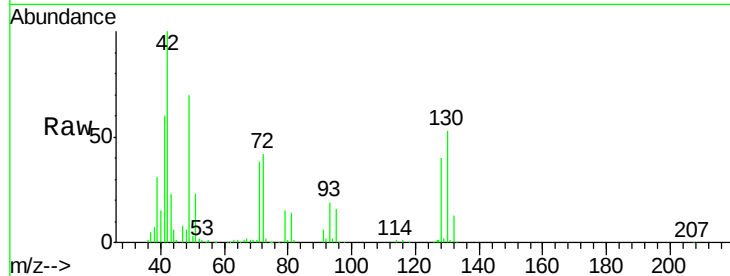
#29
Tetrahydrofuran
Concen: 934.881 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

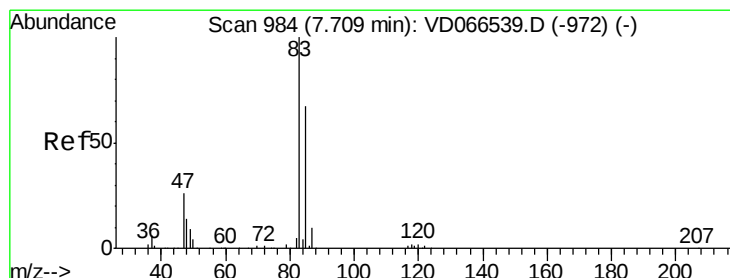
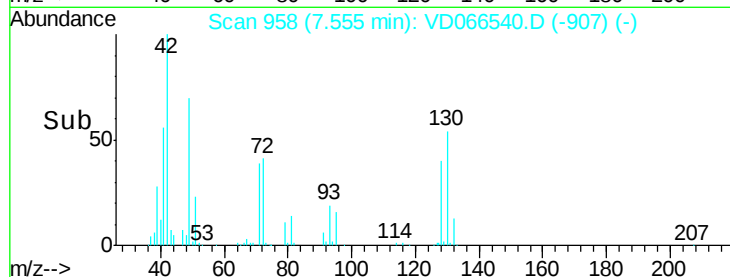
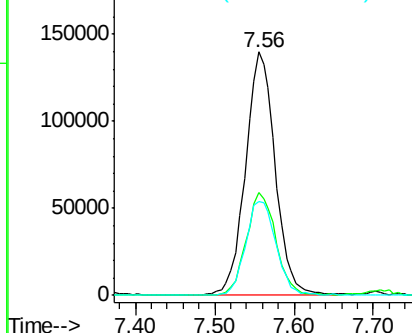
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.4	50.0
71	39.7	31.9	47.9

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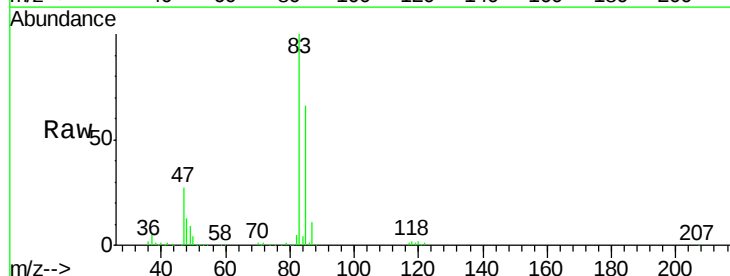


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

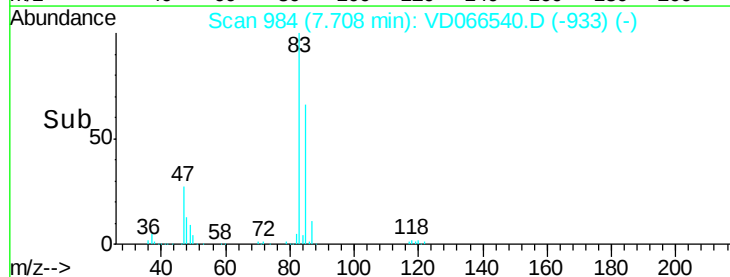
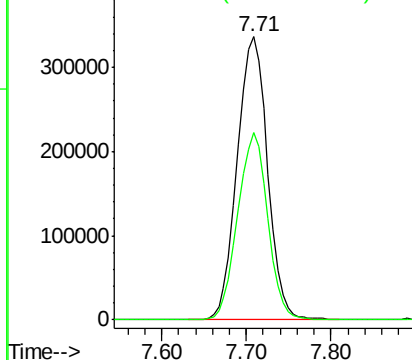


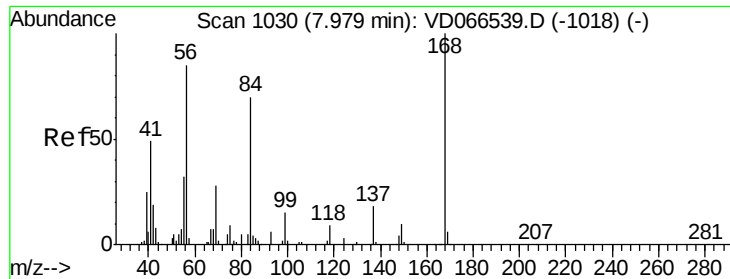
#30
Chloroform
Concen: 122.456 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.6	80.4



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





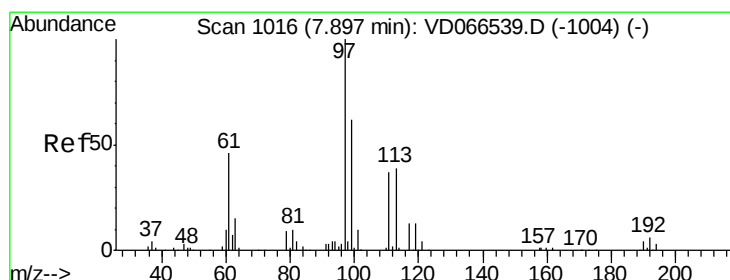
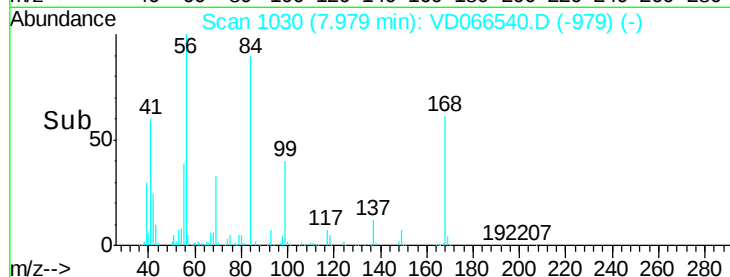
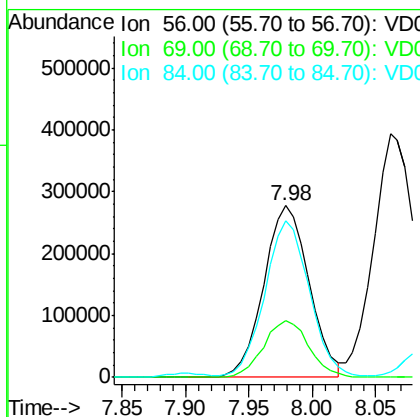
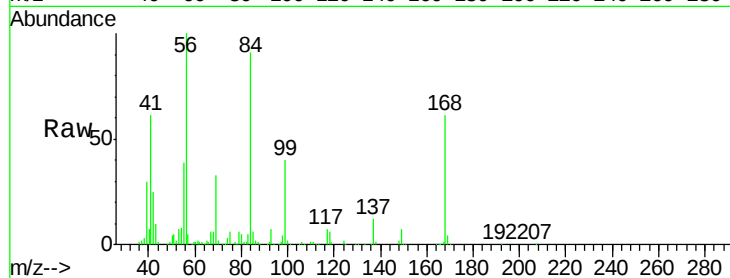
#31
Cyclohexane
Concen: 139.651 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.3	39.5
84	89.2	66.1	99.1

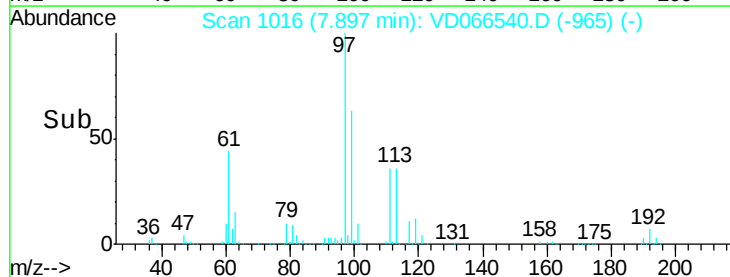
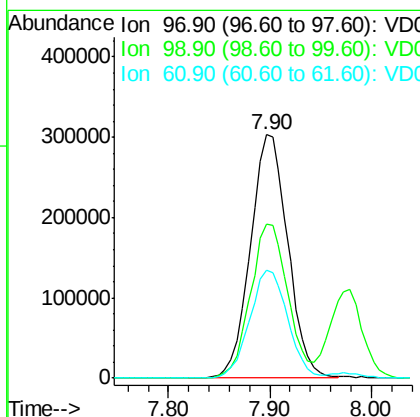
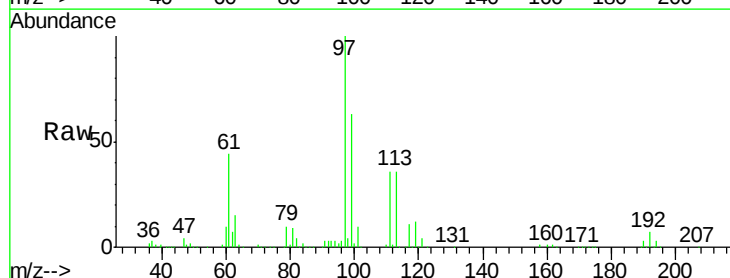
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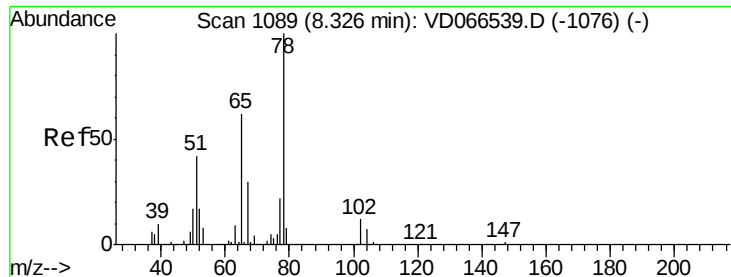
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#32
1,1,1-Trichloroethane
Concen: 105.578 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	45.2	37.4	56.0





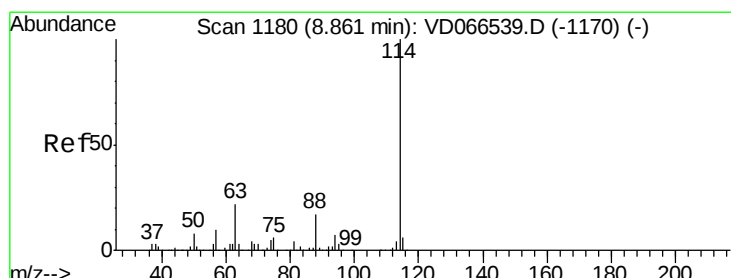
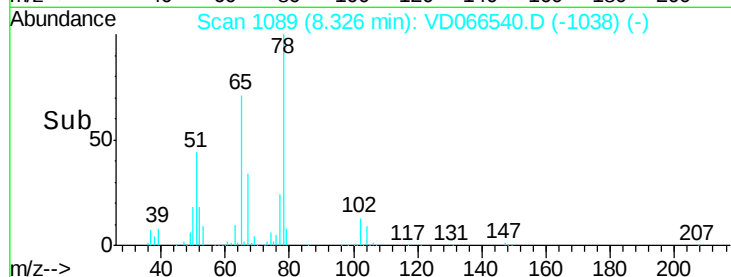
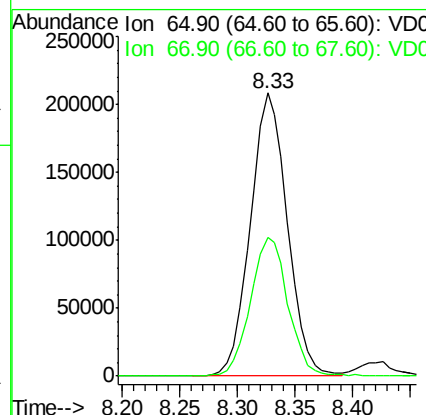
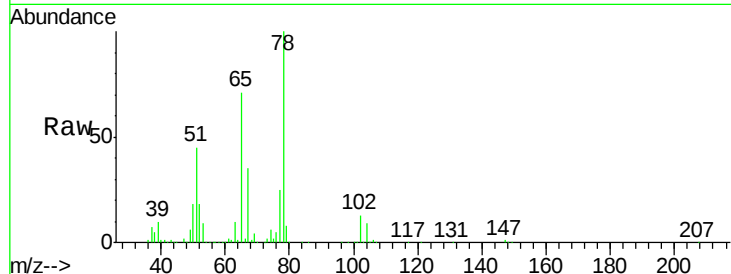
#33
 1,2-Dichloroethane-d4
 Concen: 112.058 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	65	Resp	465006
Ion Ratio	100	Lower	Upper
67	49.7	0.0	102.8

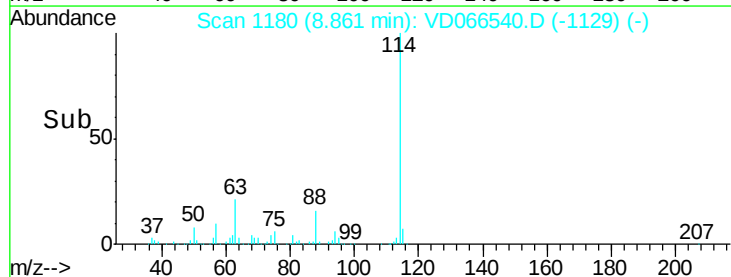
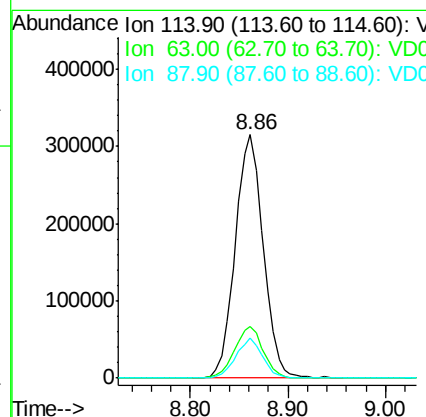
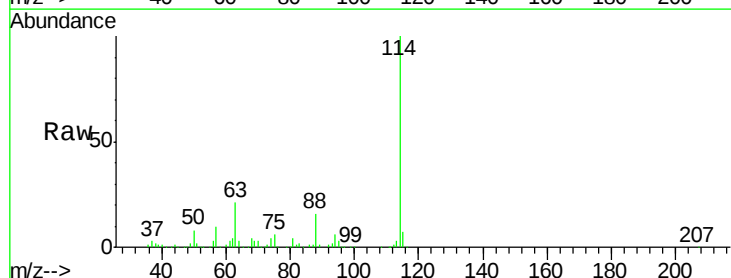
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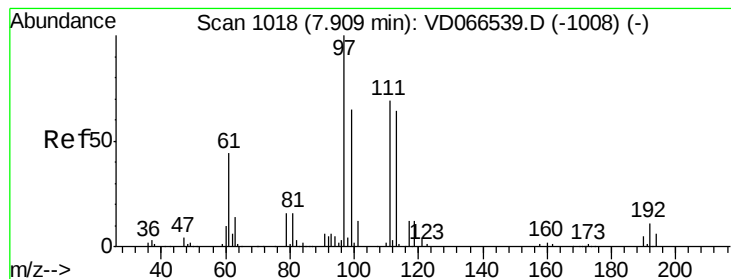
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion	114	Resp	628828
Ion Ratio	100	Lower	Upper
63	21.4	0.0	43.2
88	16.3	0.0	33.2





#35

Dibromofluoromethane

Concen: 114.579 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

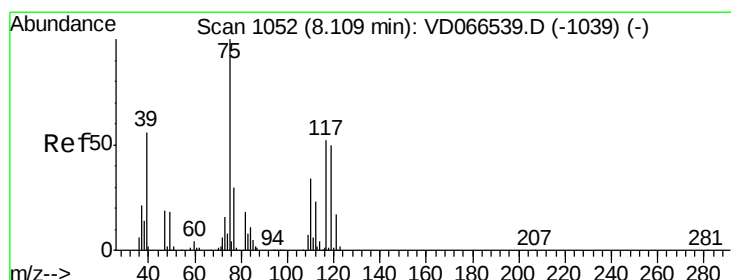
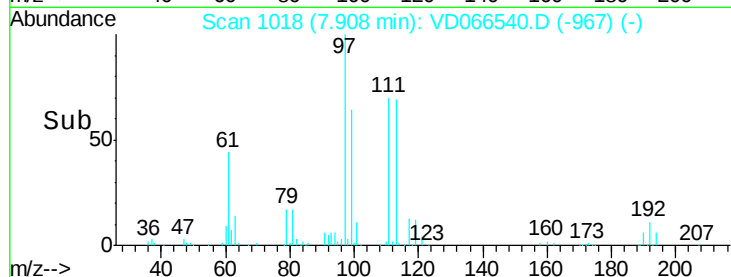
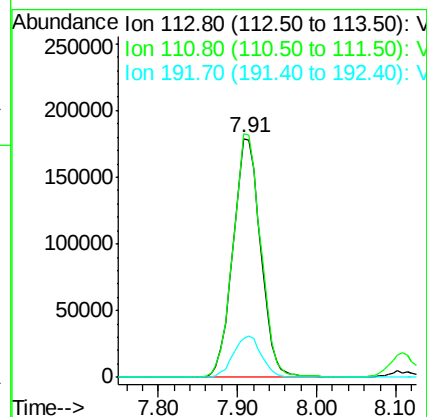
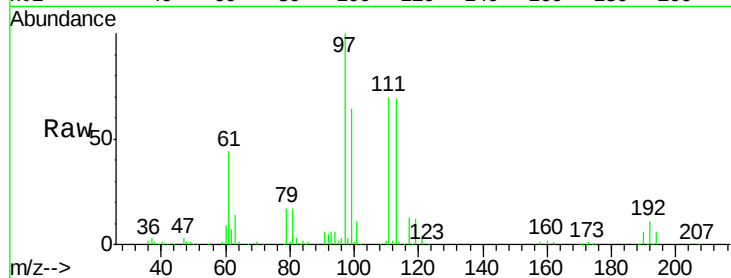
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	430965
Ion Ratio	Lower	Upper	
113	100		
111	101.4	83.2	124.8
192	17.8	13.7	20.5

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#36

1,1-Dichloropropene

Concen: 114.749 ug/l

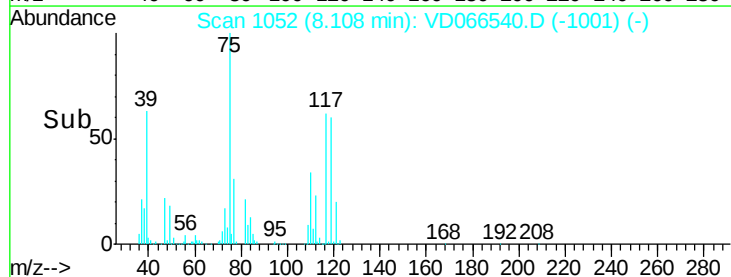
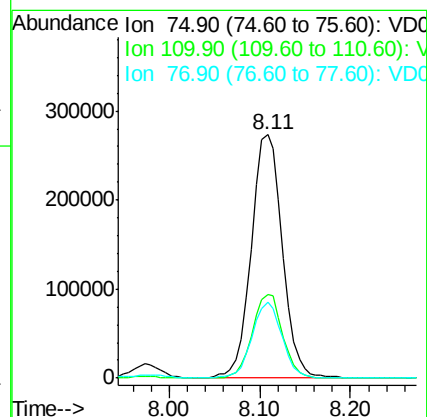
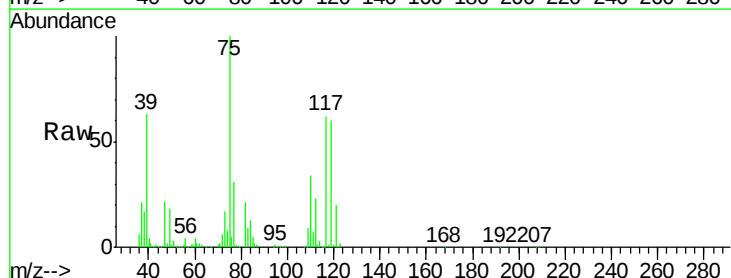
RT: 8.11 min Scan# 1052

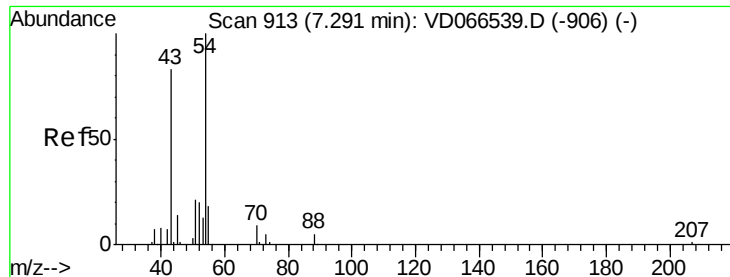
Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Tgt Ion:	75	Resp:	646882
Ion Ratio	Lower	Upper	
75	100		
110	33.6	17.3	52.0
77	30.1	25.1	37.7





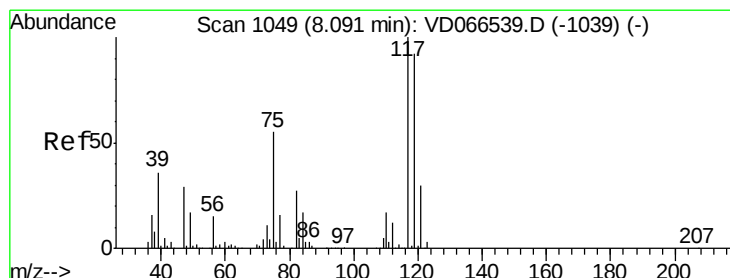
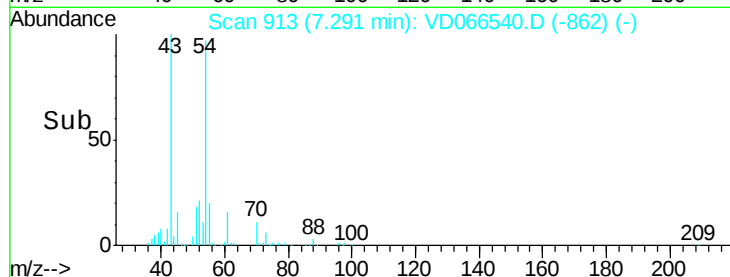
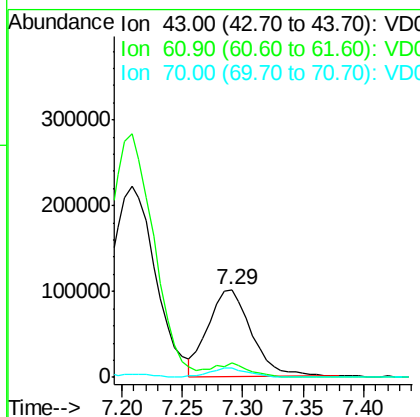
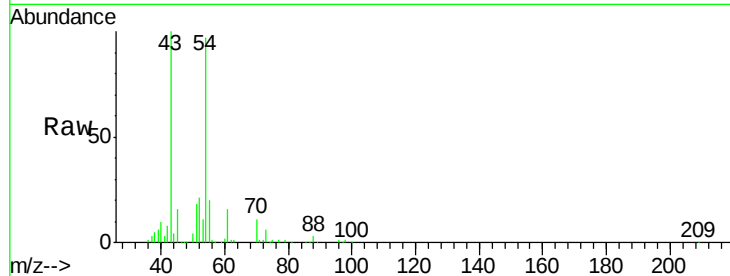
#37
Ethyl Acetate
Concen: 138.924 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.8
70	10.4	7.9	11.9

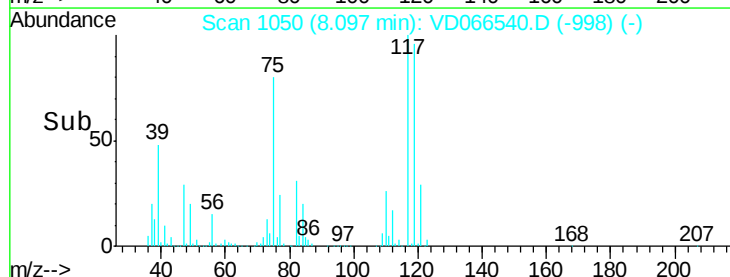
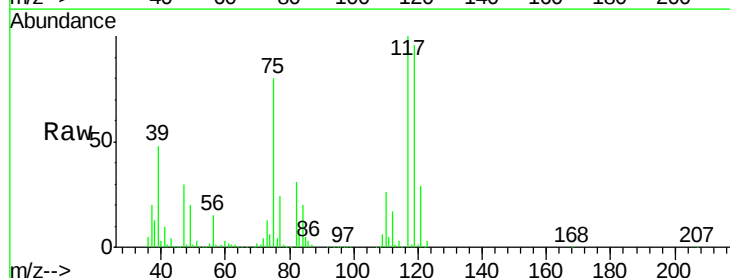
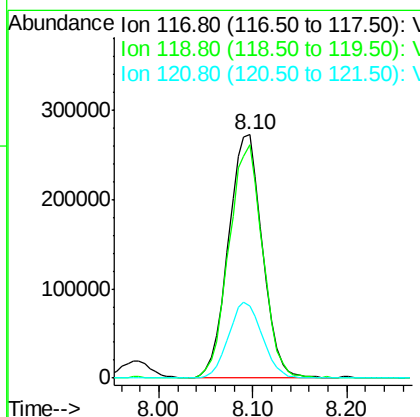
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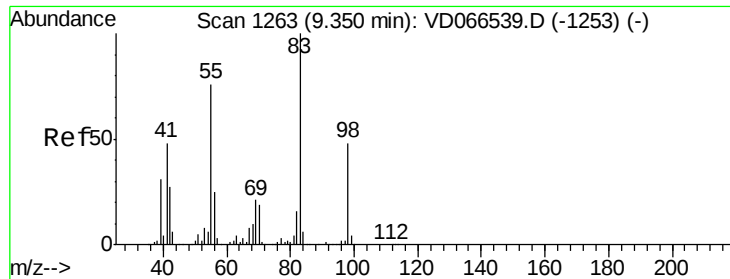
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#38
Carbon Tetrachloride
Concen: 84.272 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	73.9	110.9
121	29.5	24.1	36.1





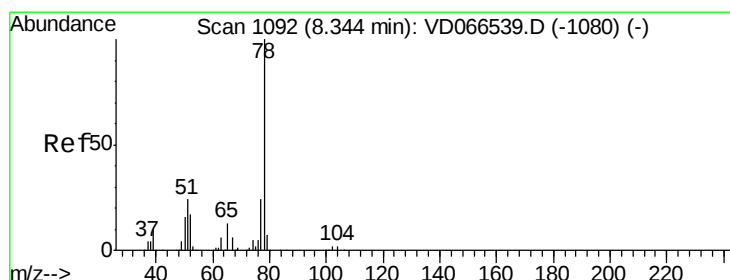
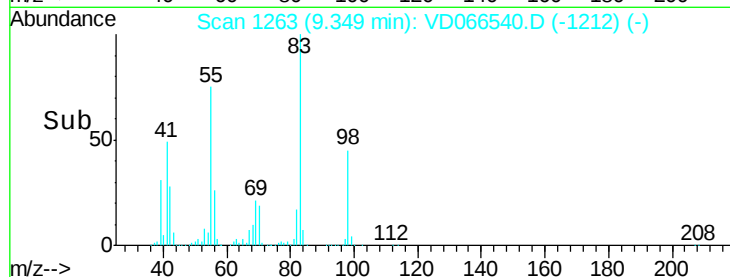
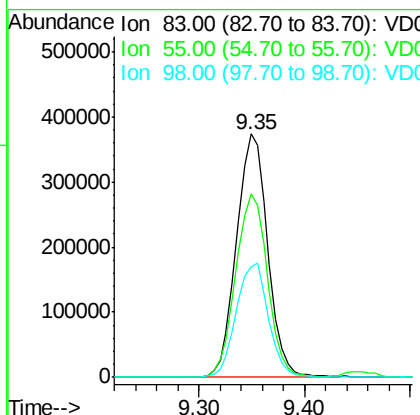
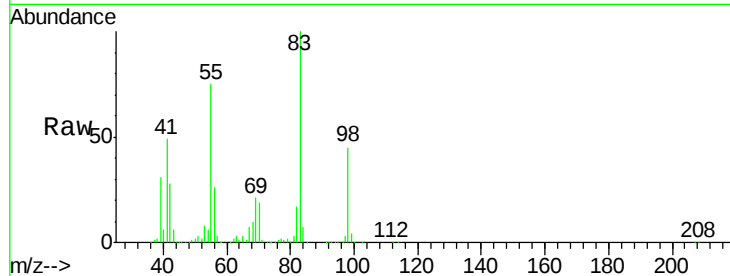
#39
Methvlcvclohexane
Concen: 116.042 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.8	91.2
98	45.4	38.6	58.0

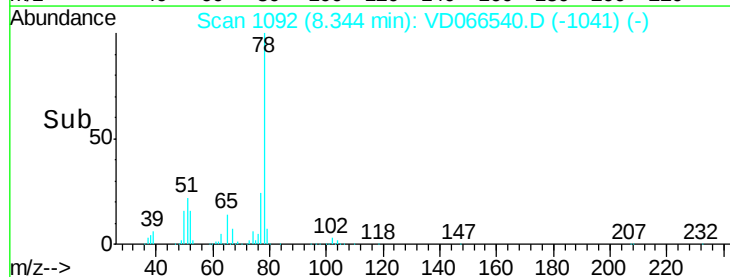
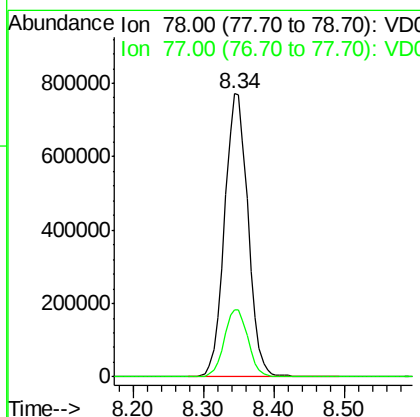
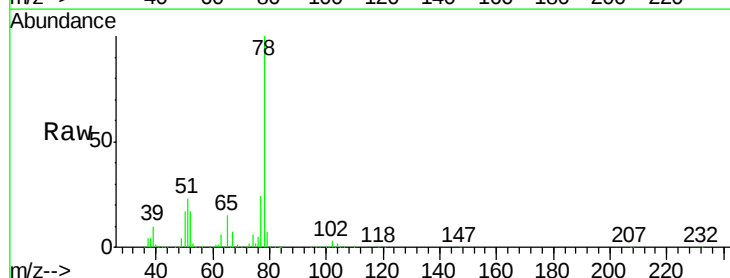
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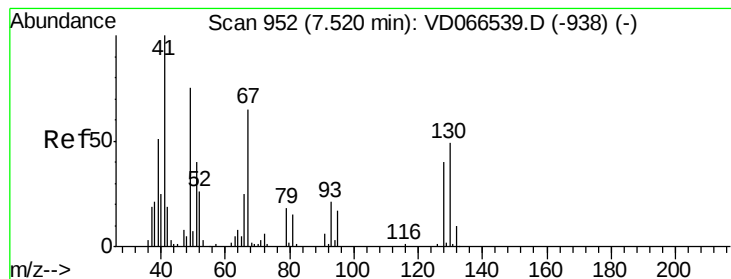
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#40
Benzene
Concen: 121.127 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





#41

Methacrylonitrile

Concen: 131.154 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 126422

Ion Ratio Lower Upper

41 100

39 0.0 53.6 80.4#

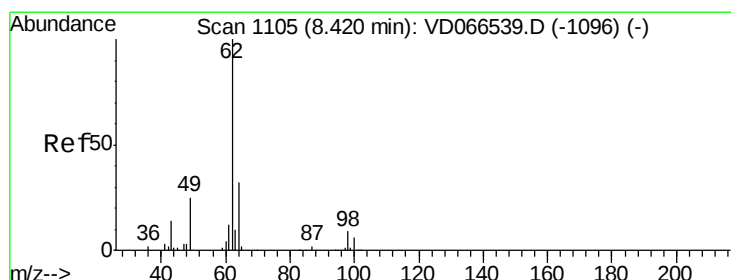
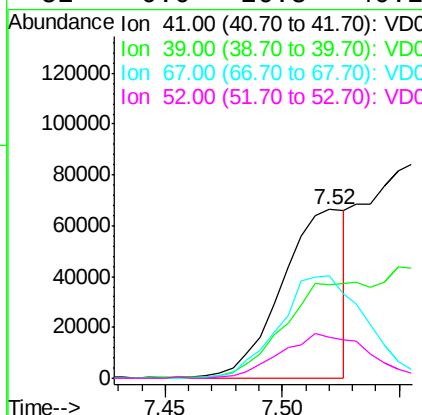
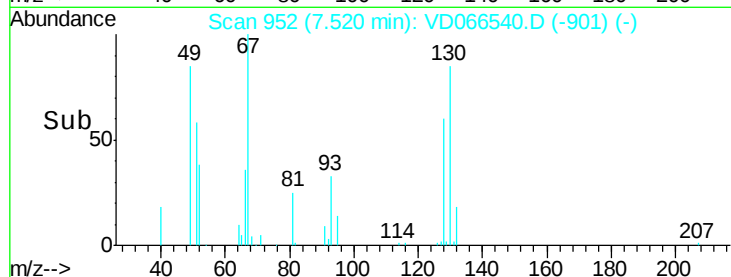
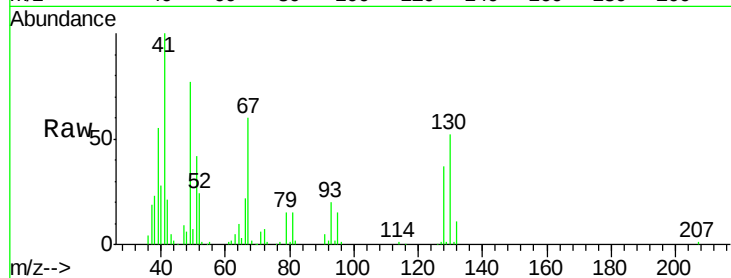
67 0.0 59.2 88.8#

52 0.0 26.8 40.2#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 94.696 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066540.D

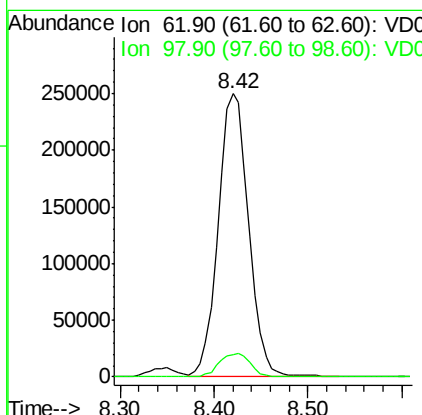
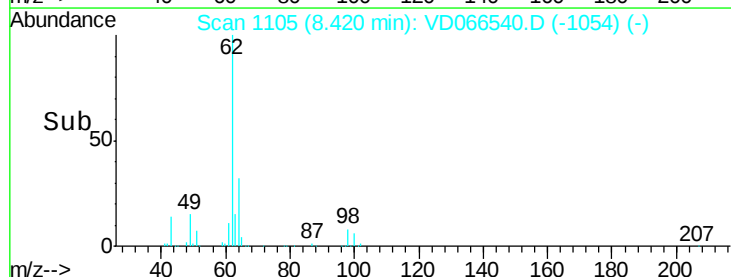
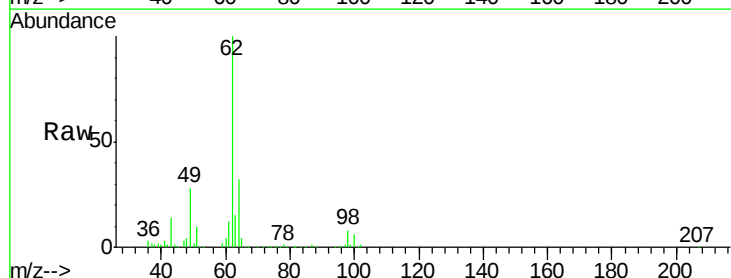
Acq: 03 Sep 2020 16:23

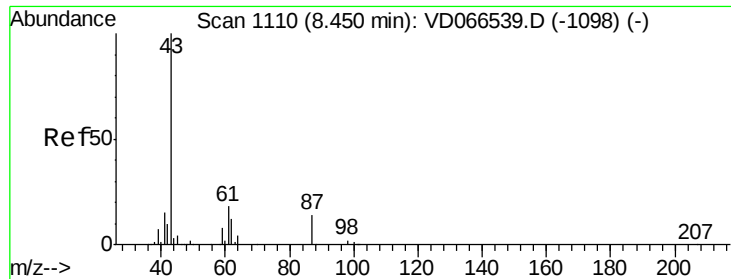
Tgt Ion: 62 Resp: 560103

Ion Ratio Lower Upper

62 100

98 8.7 0.0 17.6





#43

Isopropyl Acetate

Concen: 139.745 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

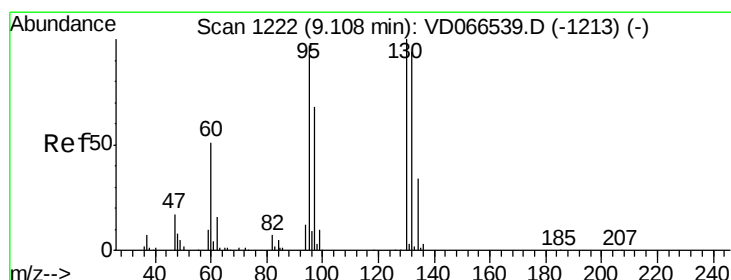
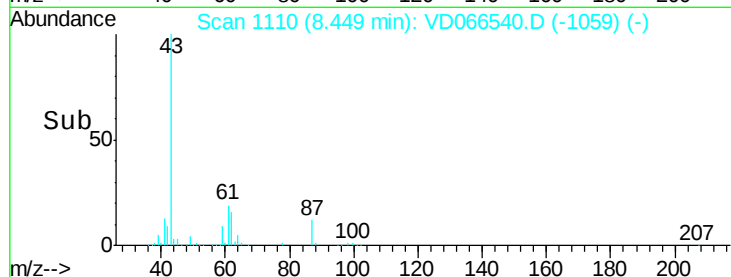
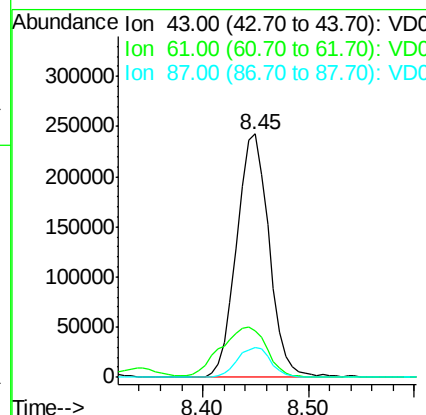
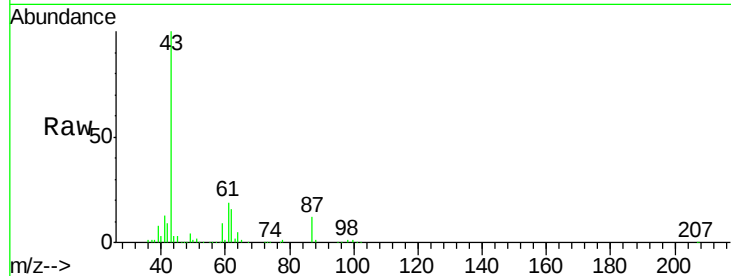
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	516517
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.8	35.8
87	12.6	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 95.654 ug/l

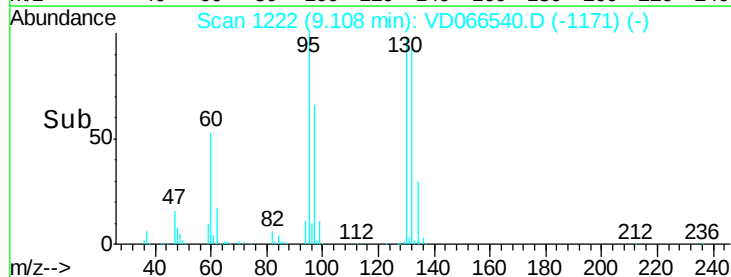
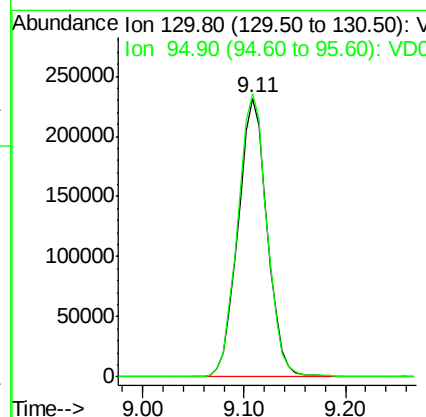
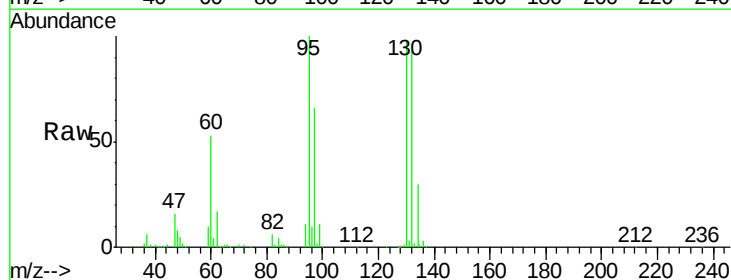
RT: 9.11 min Scan# 1222

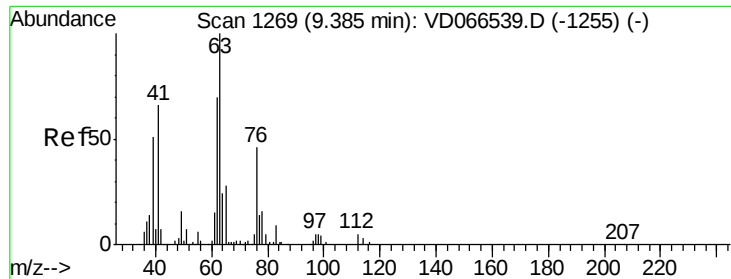
Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Tgt Ion:	130	Resp:	461525
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	194.4





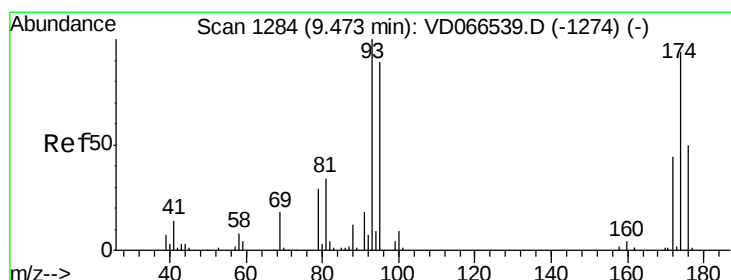
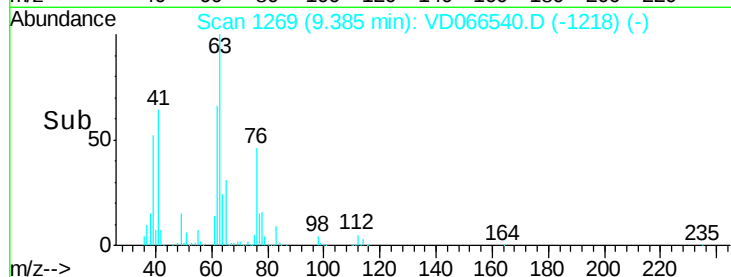
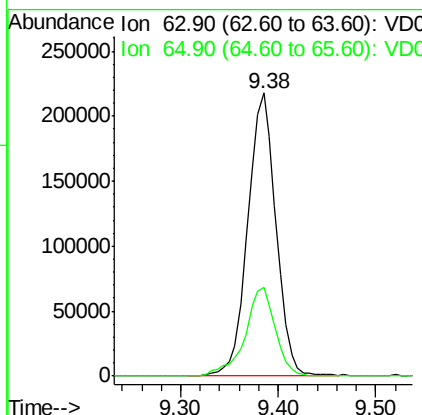
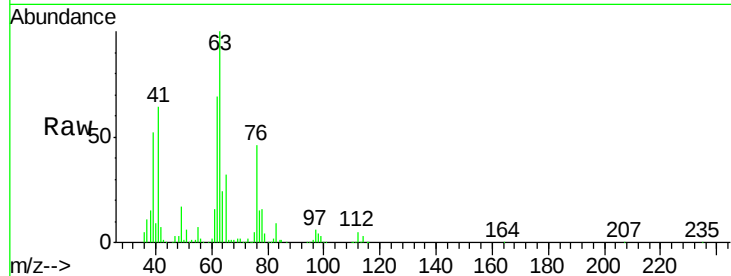
#45
 1,2-Dichloropropane
 Concen: 144.457 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 443485
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.6 34.0

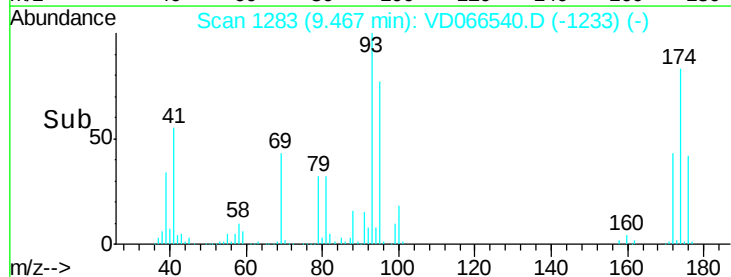
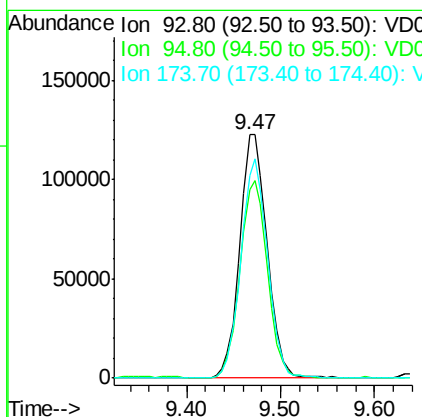
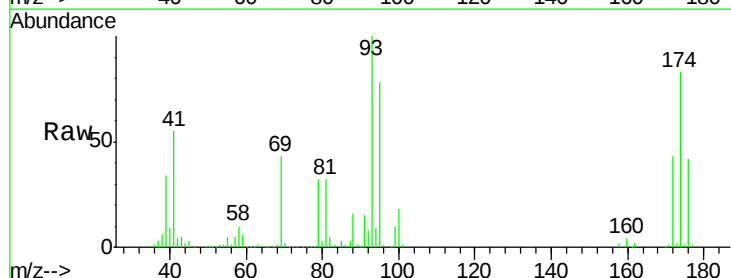
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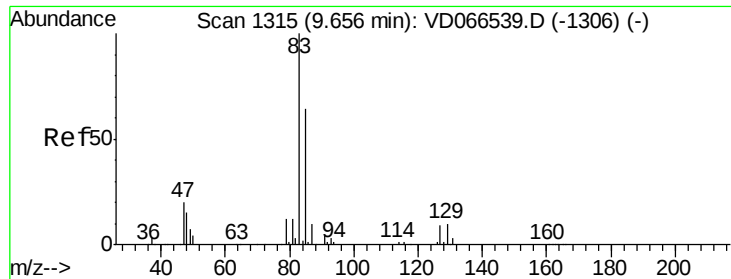
MMDadoda
 9/4/2020 4:54:57 PM



#46
 Dibromomethane
 Concen: 117.826 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion: 93 Resp: 248427
 Ion Ratio Lower Upper
 93 100
 95 81.2 68.7 103.1
 174 87.6 70.0 105.0





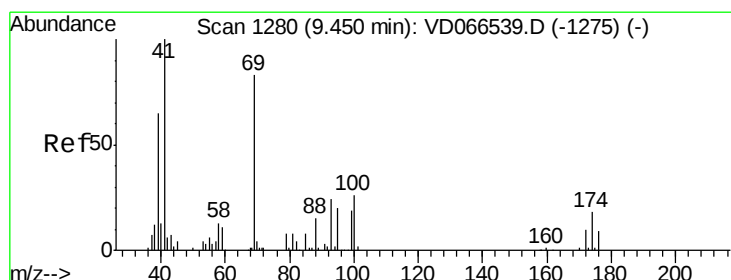
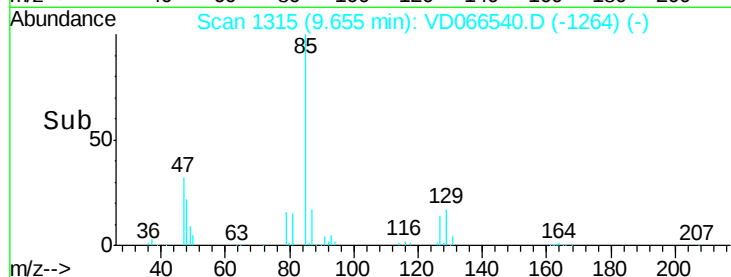
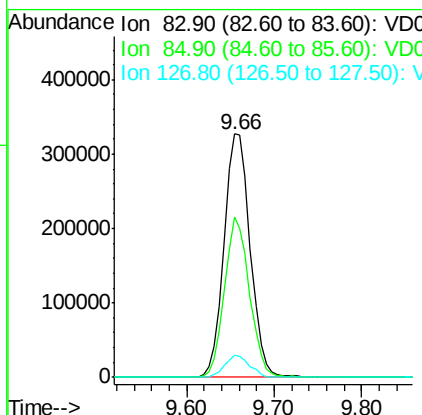
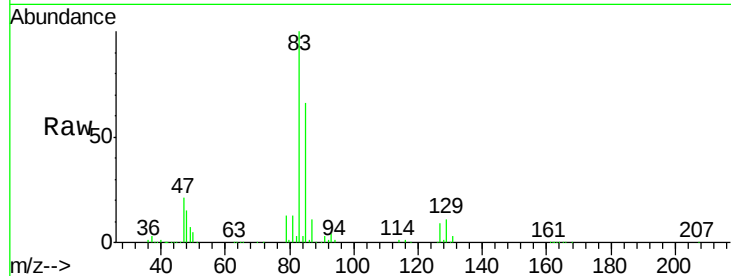
#47
Bromodichloromethane
Concen: 108.391 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	668950		
85	65.9		51.1	76.7
127	9.0		6.9	10.3

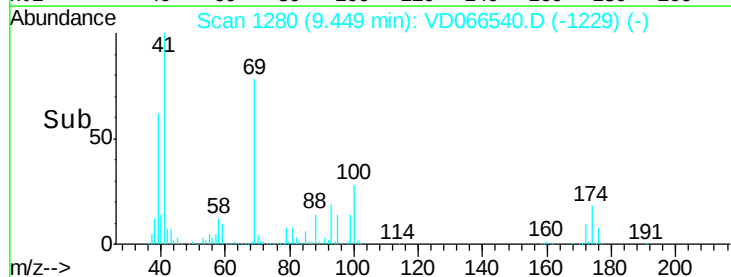
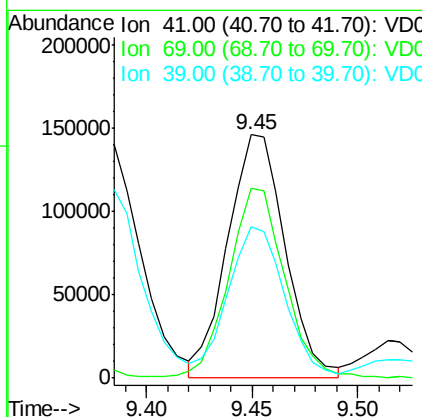
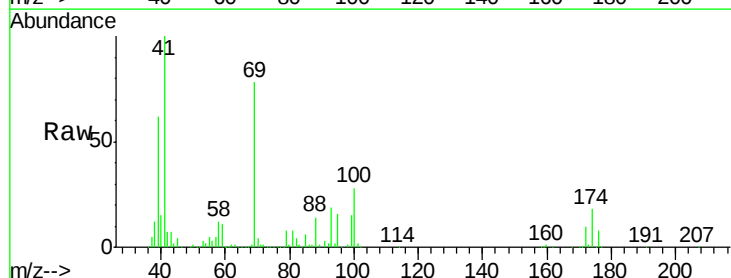
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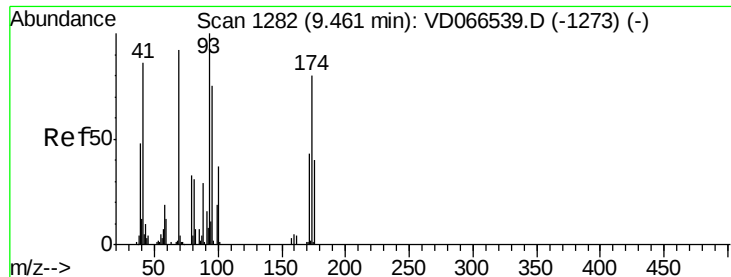
MMDadoda
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#48
Methyl methacrylate
Concen: 145.534 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	274499		
69	76.0		64.5	96.7
39	57.9		46.6	69.8





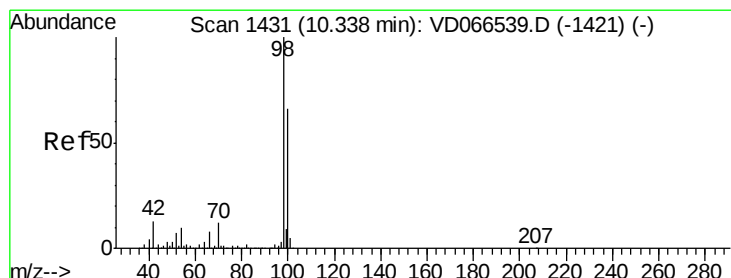
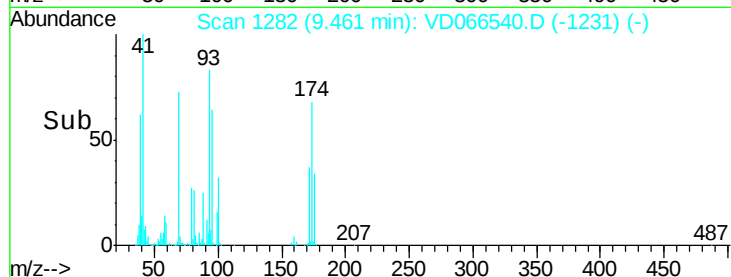
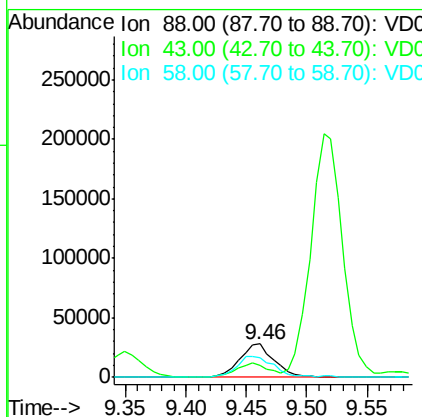
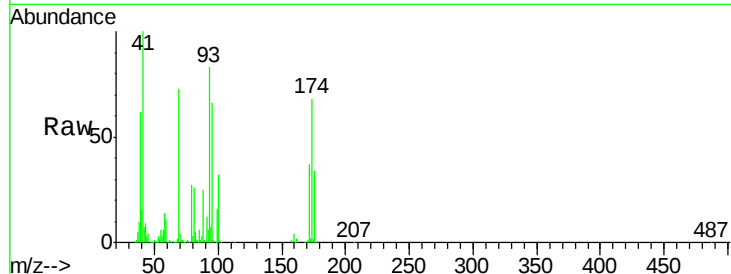
#49
1,4-Dioxane
Concen: 2306.184 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.3	42.5
58	67.8	56.1	84.1

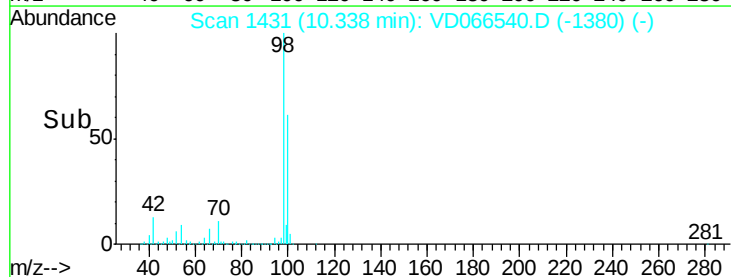
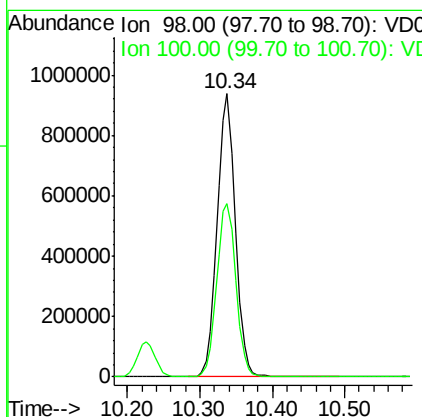
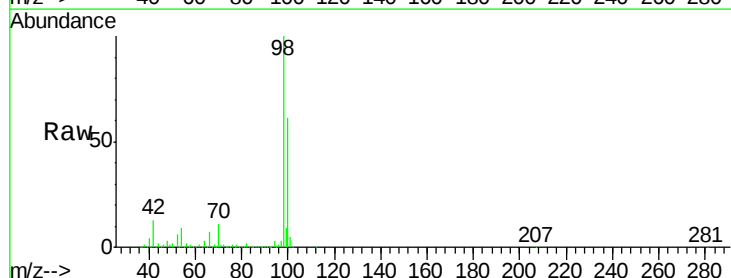
Manual Integrations
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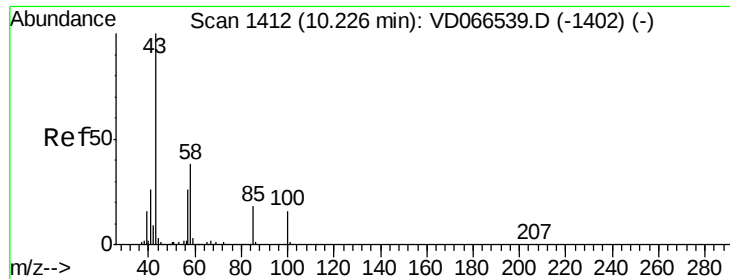
MMDadoda
9/4/2020 4:54:57 PM



#50
Toluene-d8
Concen: 116.512 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.9	79.3





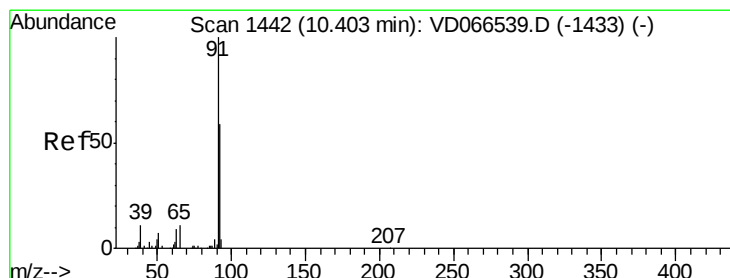
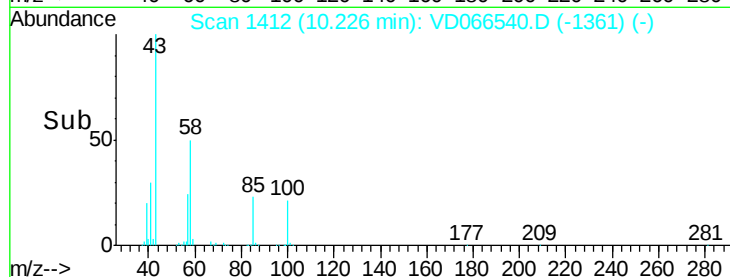
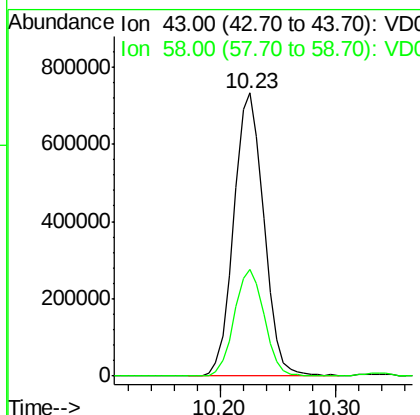
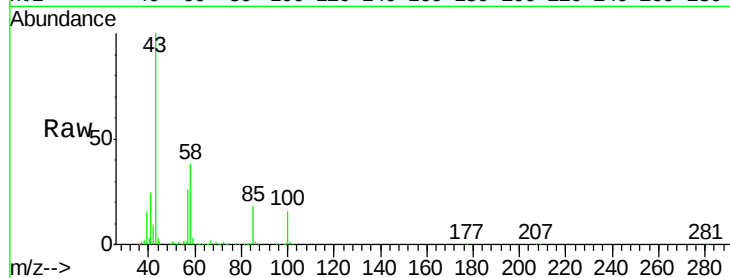
#51
4-Methyl-2-Pentanone
Concen: 762.175 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1321412
Ion Ratio Lower Upper
43 100
58 37.5 30.5 45.7

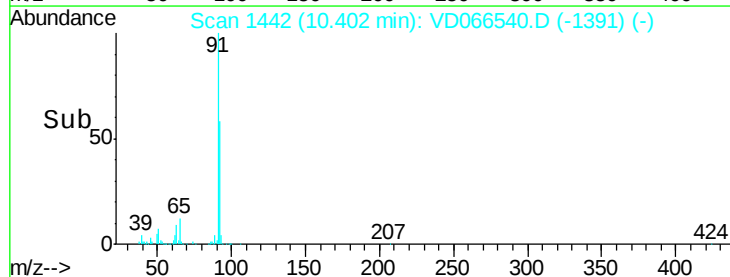
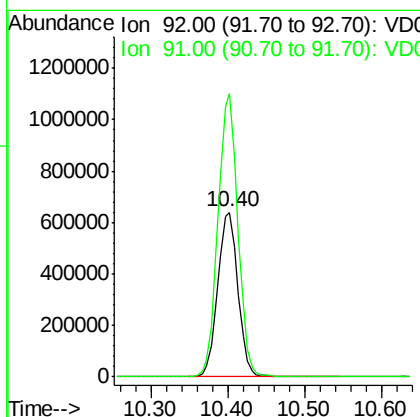
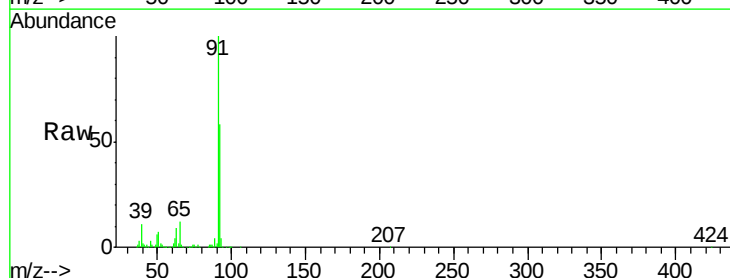
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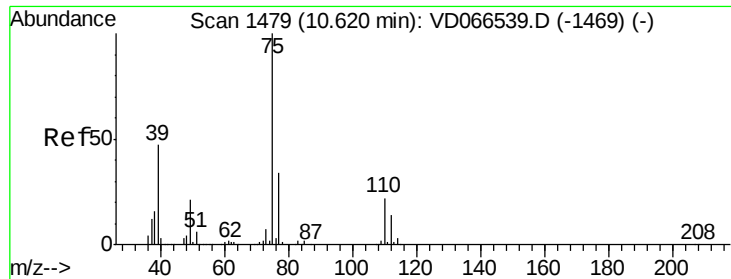
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#52
Toluene
Concen: 112.785 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion: 92 Resp: 1154412
Ion Ratio Lower Upper
92 100
91 169.6 137.4 206.2





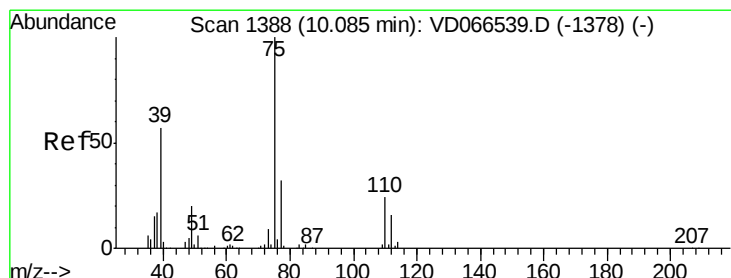
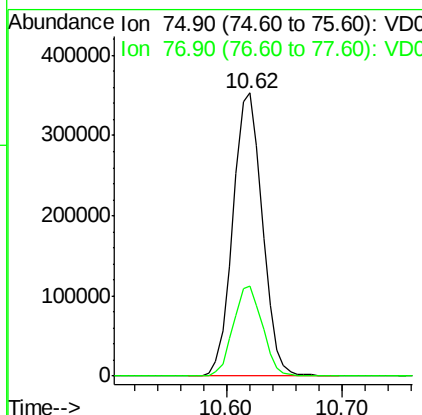
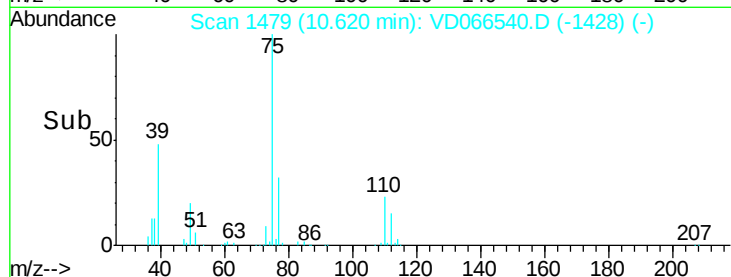
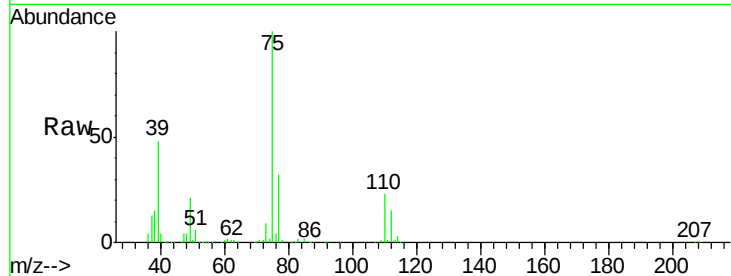
#53
 t-1,3-Dichloropropene
 Concen: 111.703 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 625861
 Ion Ratio Lower Upper
 75 100
 77 31.9 27.4 41.2

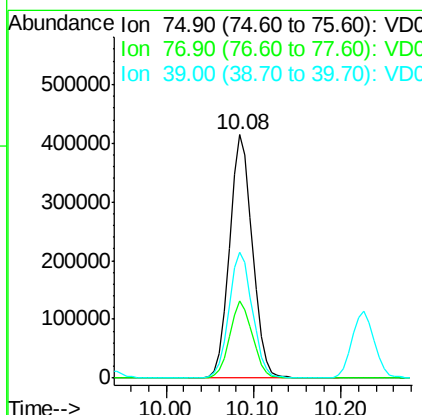
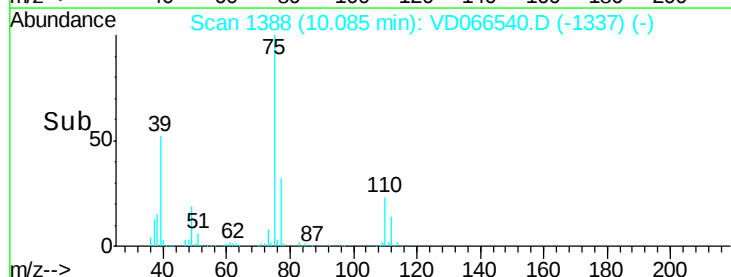
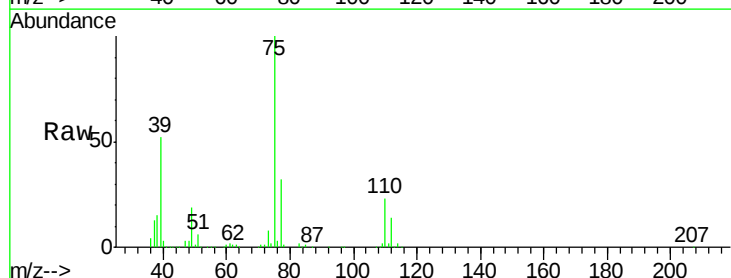
Manual Integrations
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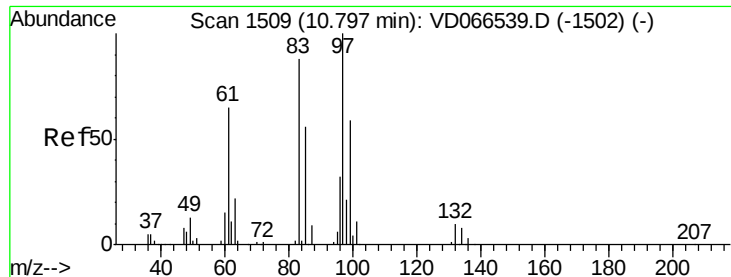
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#54
 cis-1,3-Dichloropropene
 Concen: 121.874 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion: 75 Resp: 737083
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.0
 39 51.5 45.4 68.0





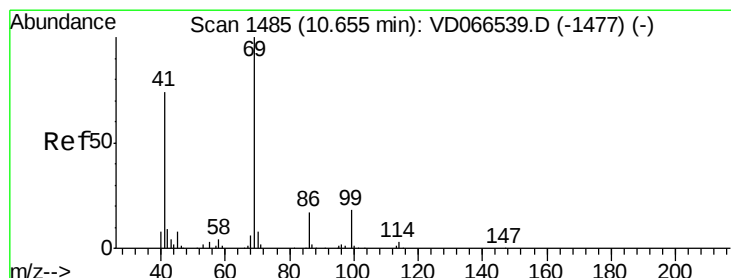
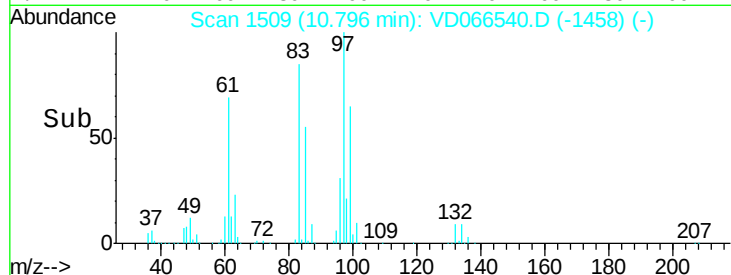
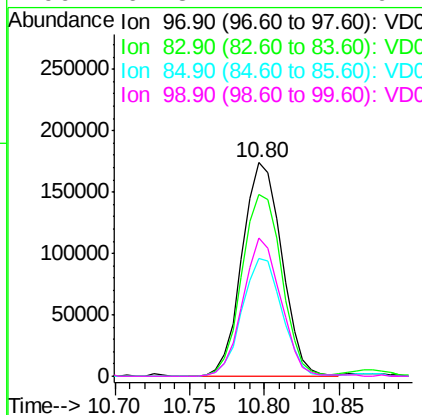
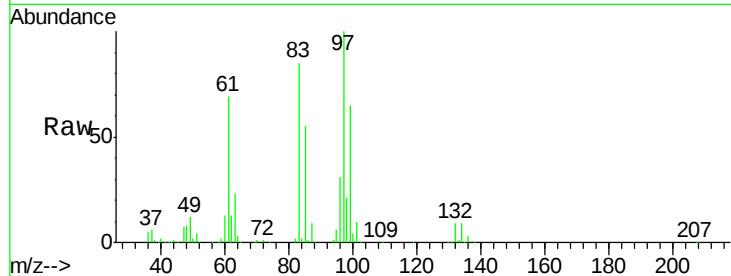
#55
 1,1,2-Trichloroethane
 Concen: 120.696 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	322159
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.1	105.1
85	55.1	44.5	66.7
99	64.8	47.1	70.7

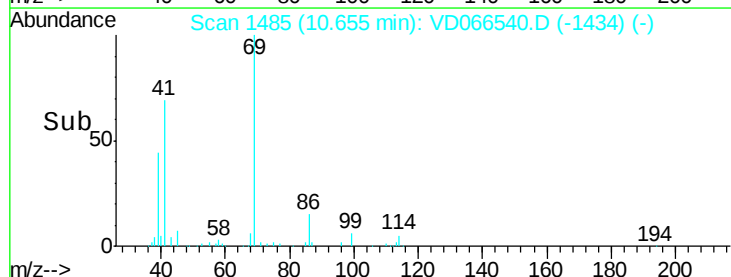
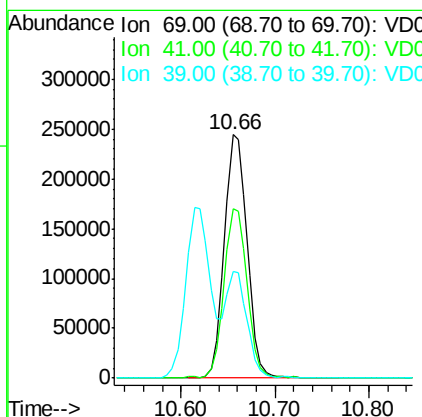
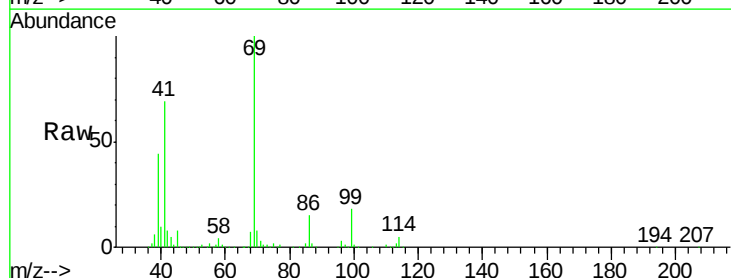
Manual Integrations
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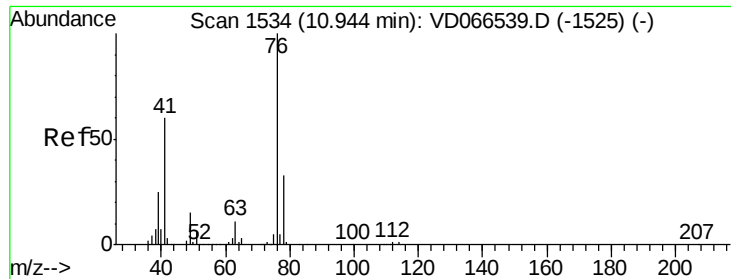
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#56
 Ethyl methacrylate
 Concen: 130.310 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion:	69	Resp:	414923
Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.8	85.2
39	37.5	30.6	46.0





#57

1,3-Dichloropropane

Concen: 126.432 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 566349

Ion Ratio Lower Upper

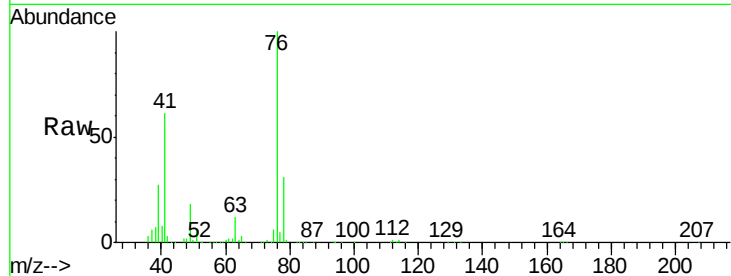
76 100

78 31.8 25.8 38.8

Manual Integrations
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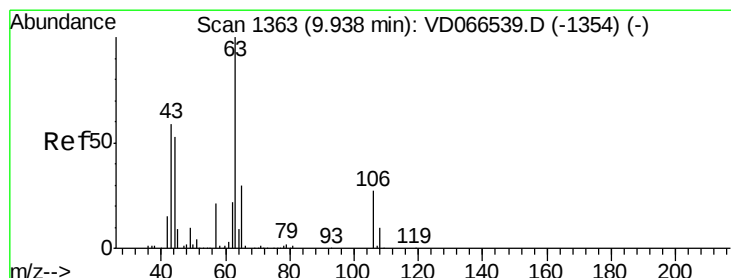
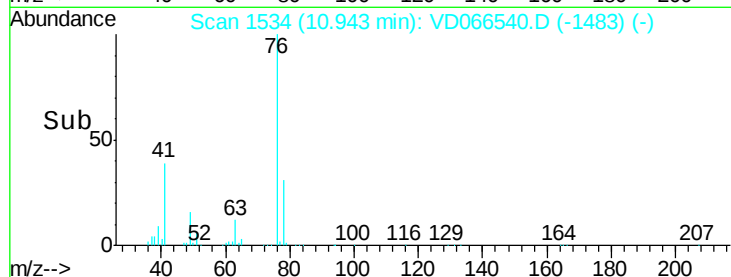
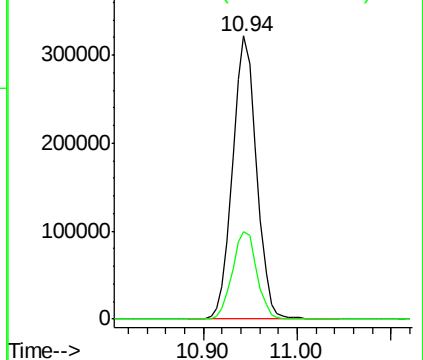
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 660.230 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066540.D

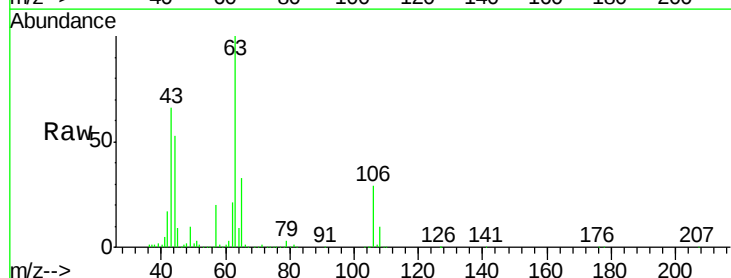
Acq: 03 Sep 2020 16:23

Tgt Ion: 63 Resp: 846644

Ion Ratio Lower Upper

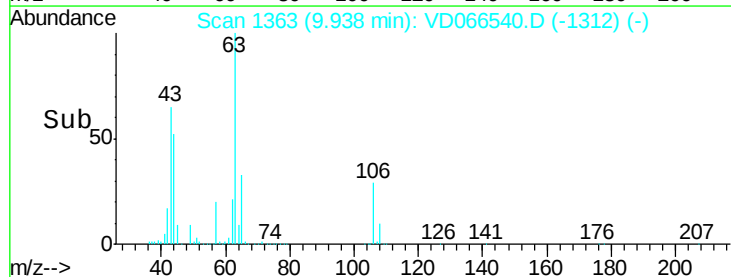
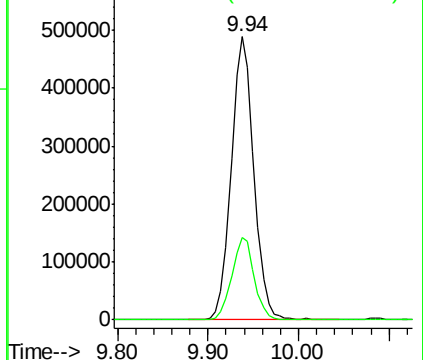
63 100

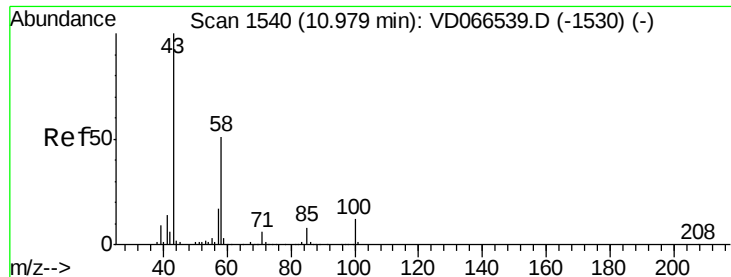
106 29.0 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





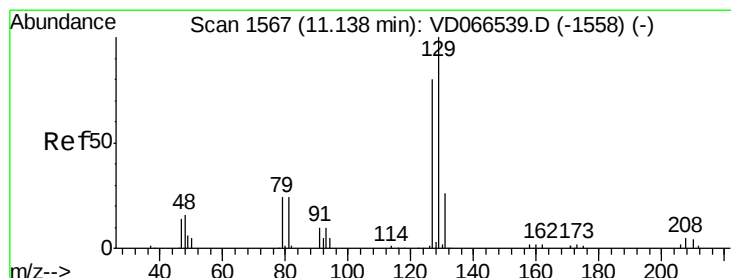
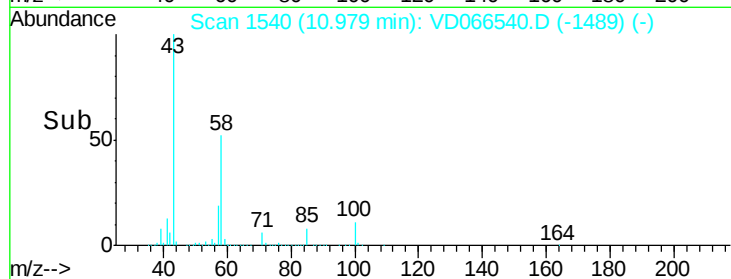
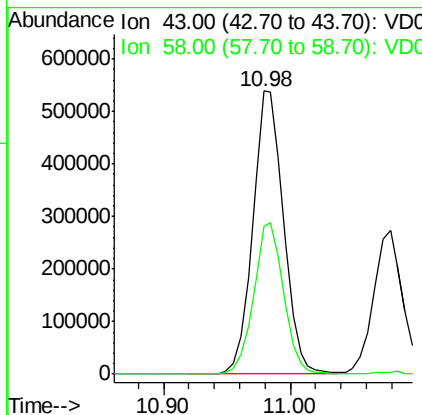
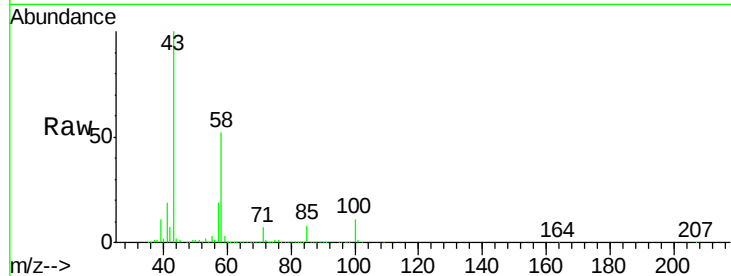
#59
2-Hexanone
Concen: 731.820 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 910222
Ion Ratio Lower Upper
43 100
58 52.0 25.6 76.8

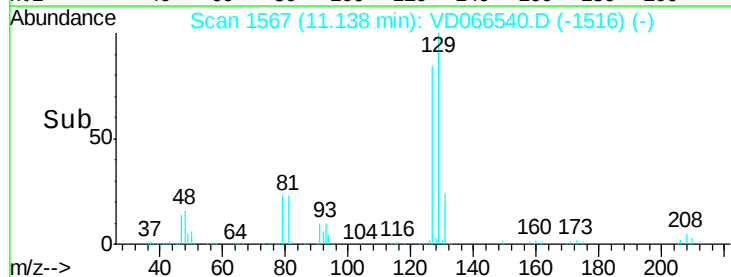
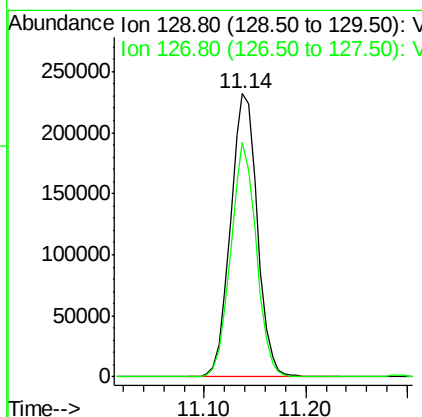
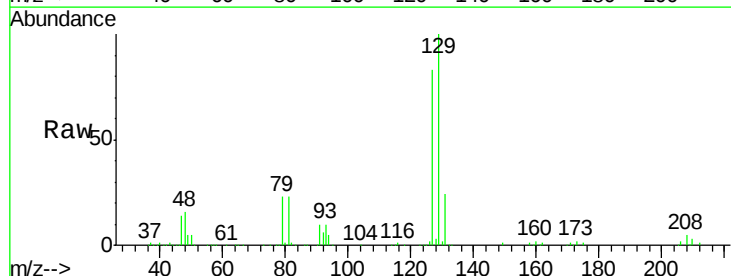
Manual Integrations
APPROVED

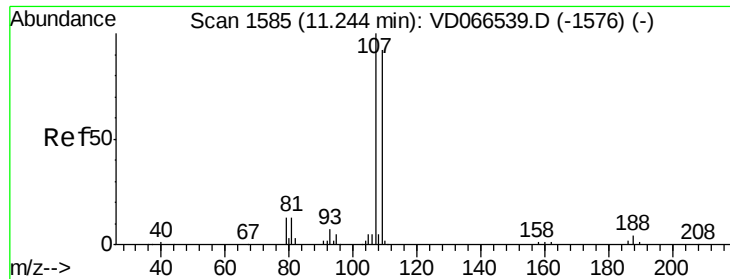
MMDadoda
9/4/2020 4:54:57 PM



#60
Dibromochloromethane
Concen: 99.682 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion: 129 Resp: 424019
Ion Ratio Lower Upper
129 100
127 79.1 39.5 118.3





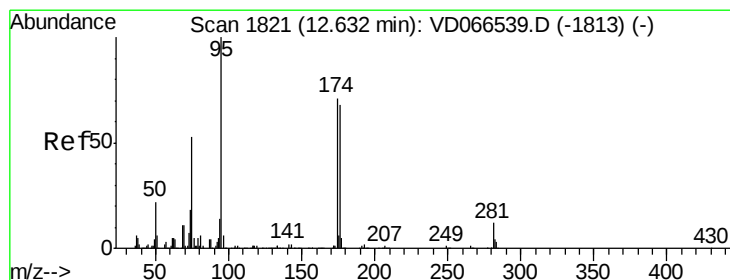
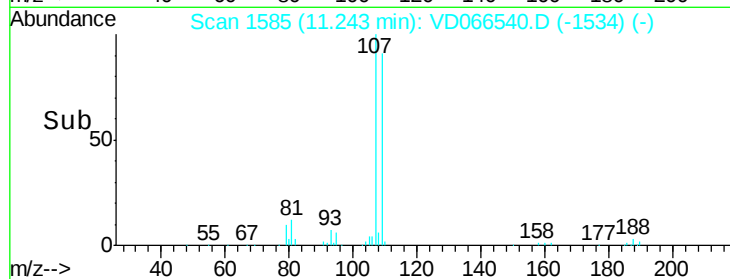
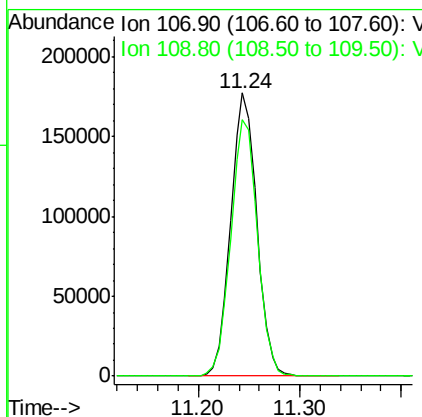
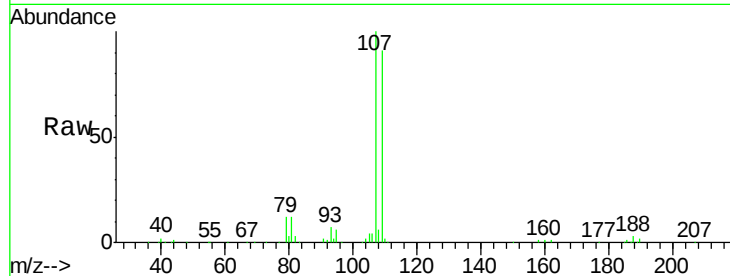
#61
 1,2-Dibromoethane
 Concen: 116.080 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	316305		
109	92.7	74.4	111.6	

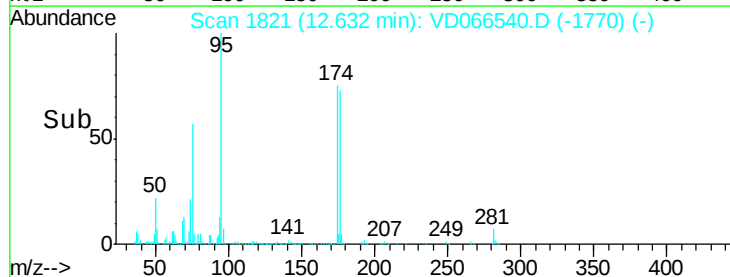
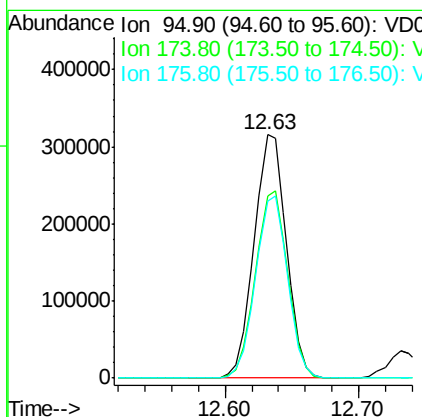
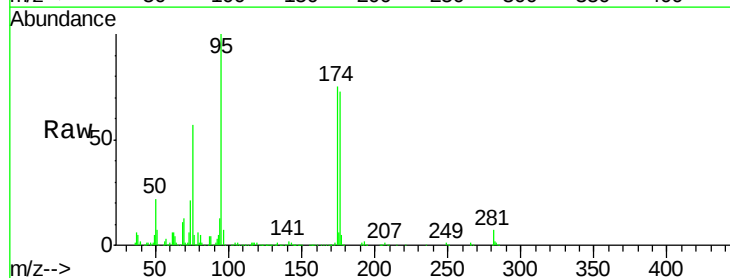
Manual Integrations
 APPROVED

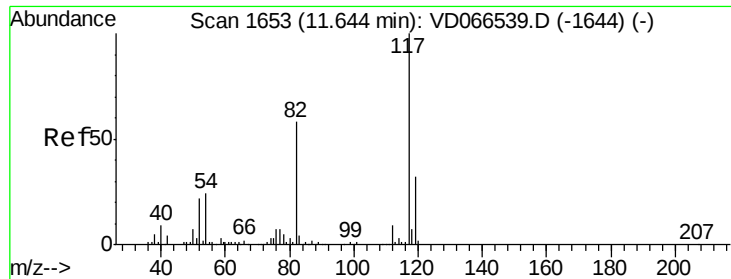
MMDadoda
 9/4/2020 4:54:57 PM



#62
 4-Bromofluorobenzene
 Concen: 105.377 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	526603		
174	77.1	0.0	155.8	
176	74.1	0.0	148.6	





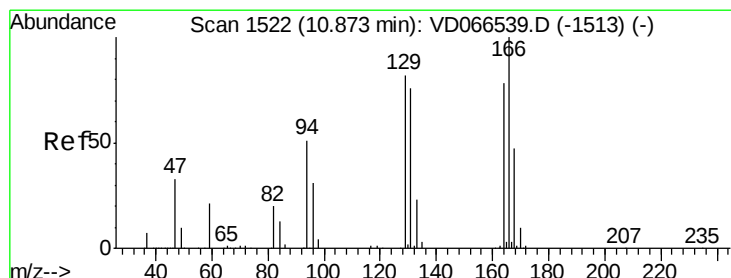
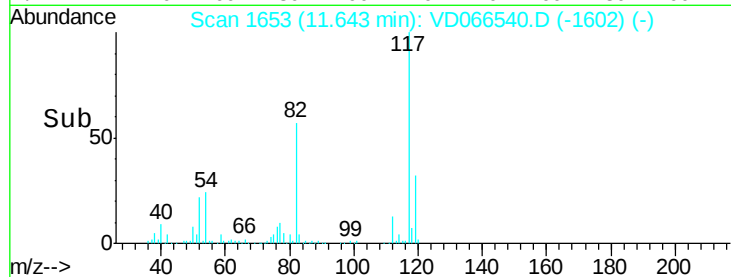
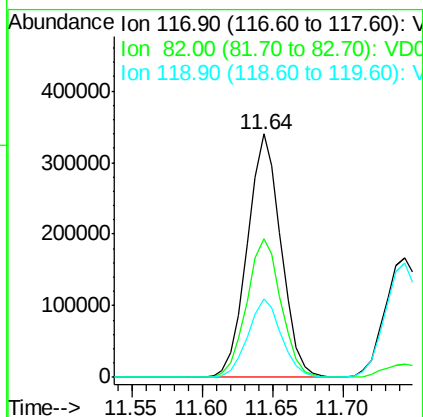
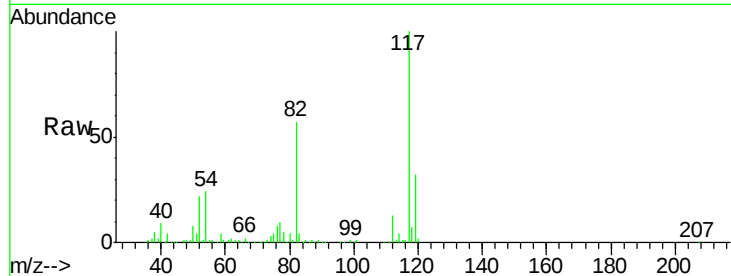
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	568326		
82	57.1	46.2	69.2	
119	32.0	25.8	38.8	

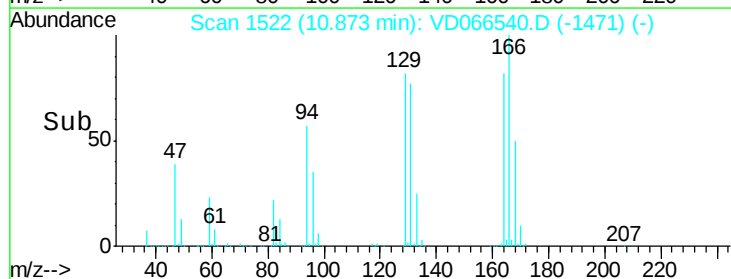
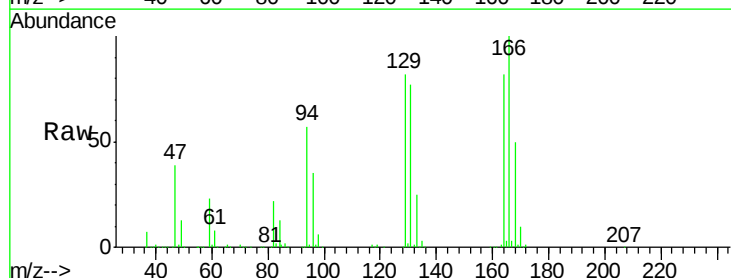
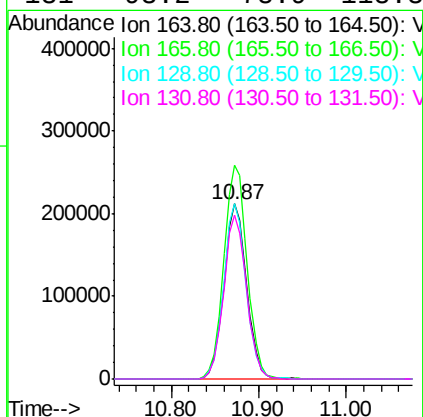
Manual Integrations
APPROVED

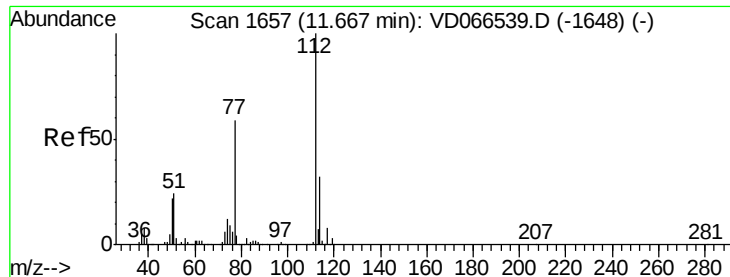
MMDadoda
9/4/2020 4:54:57 PM



#64
Tetrachloroethene
Concen: 87.953 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	378407		
166	121.8	103.2	154.8	
129	100.2	84.5	126.7	
131	93.2	78.9	118.3	





#65

Chlorobenzene

Concen: 105.194 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1174451

Ion Ratio Lower Upper

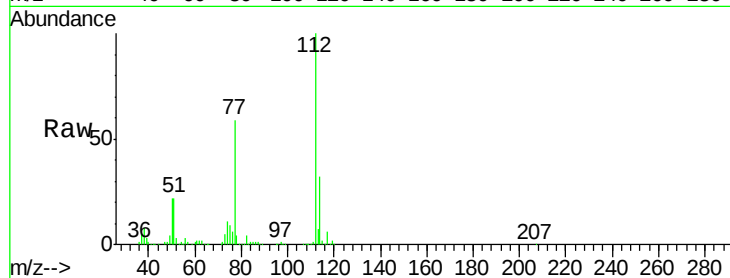
112 100

114 32.4 25.7 38.5

Manual Integrations
APPROVED

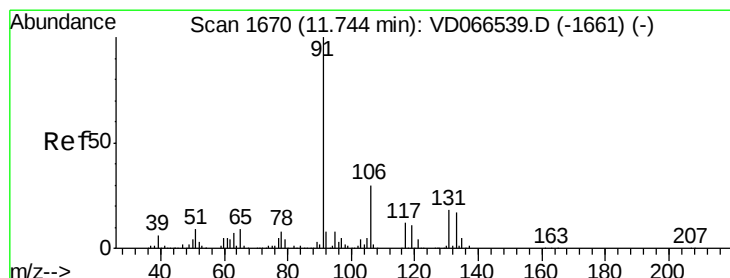
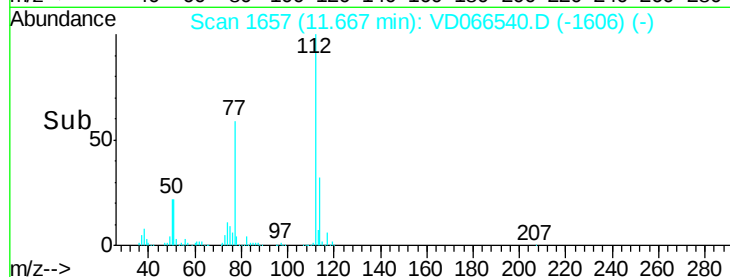
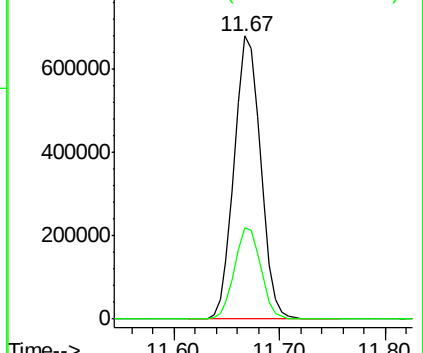
MMDadoda

9/4/2020 4:54:57 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 95.148 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

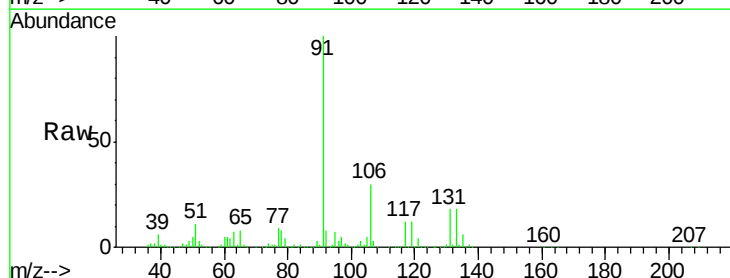
Tgt Ion:131 Resp: 442485

Ion Ratio Lower Upper

131 100

133 95.4 46.7 140.0

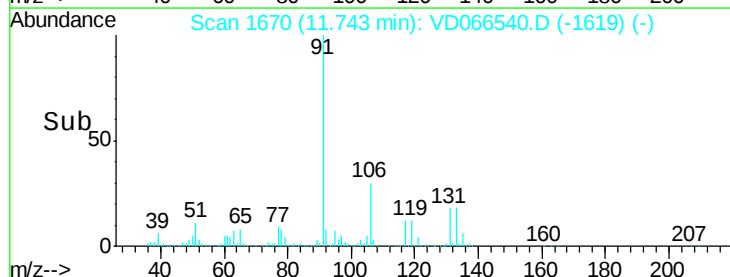
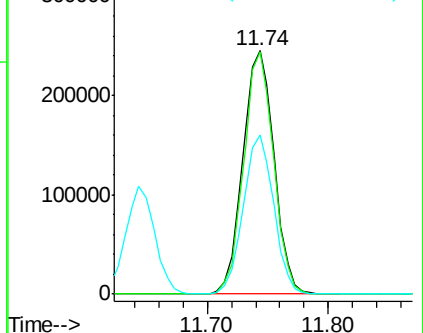
119 63.8 31.9 95.7

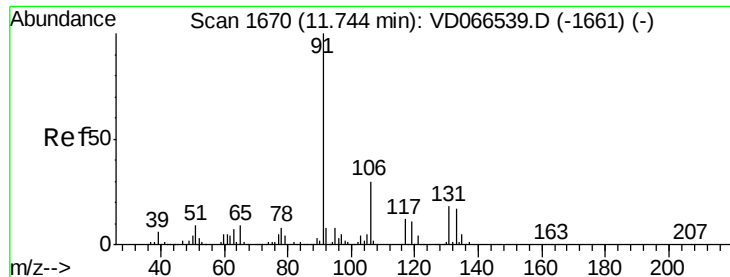


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





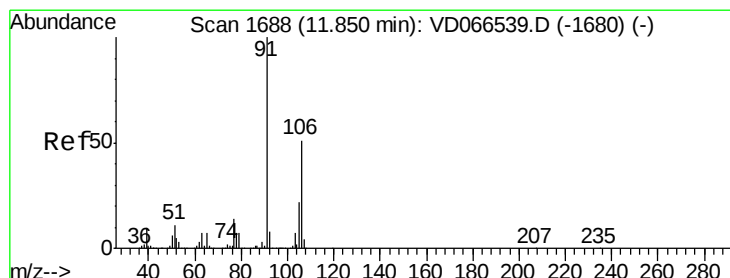
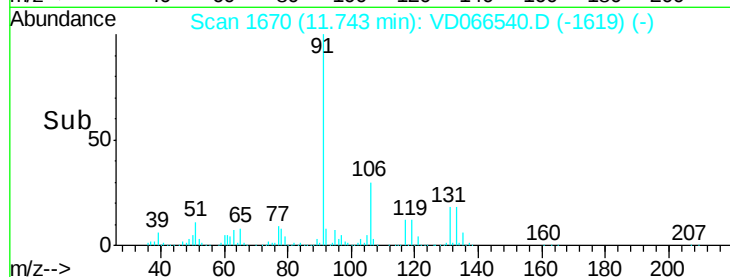
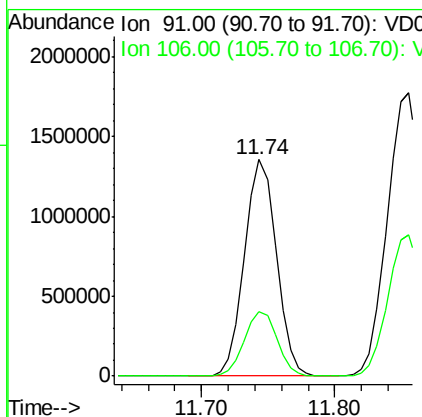
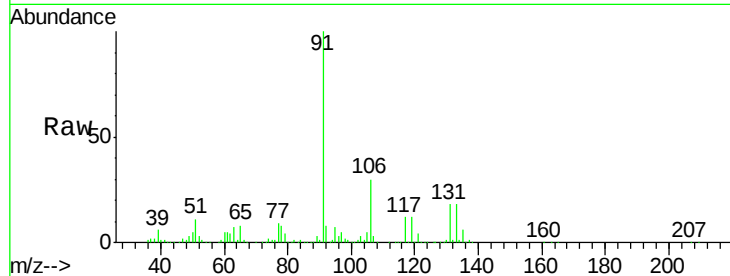
#67
Ethyl Benzene
Concen: 112.987 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2246080
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5

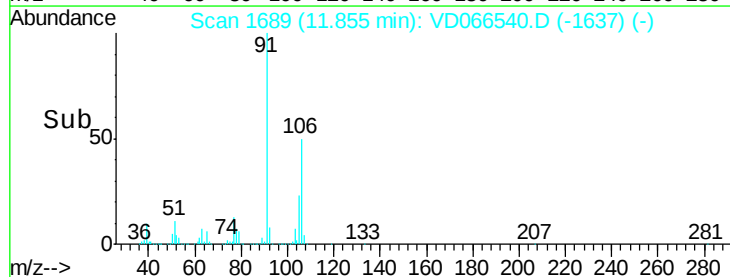
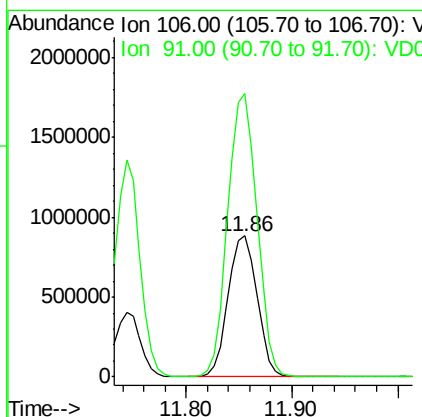
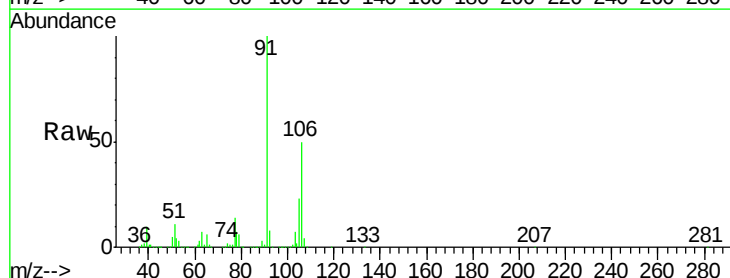
Manual Integrations
APPROVED

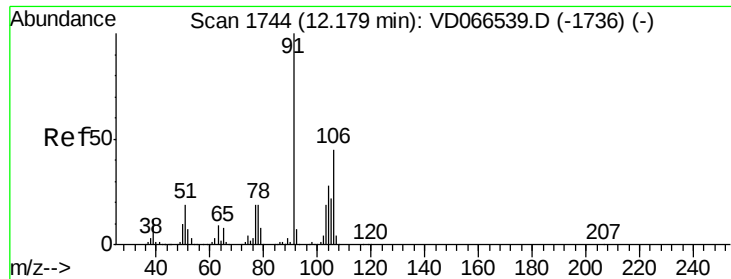
MMDadoda
9/4/2020 4:54:57 PM



#68
m/p-Xylenes
Concen: 218.074 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion: 106 Resp: 1674453
Ion Ratio Lower Upper
106 100
91 202.9 162.4 243.6





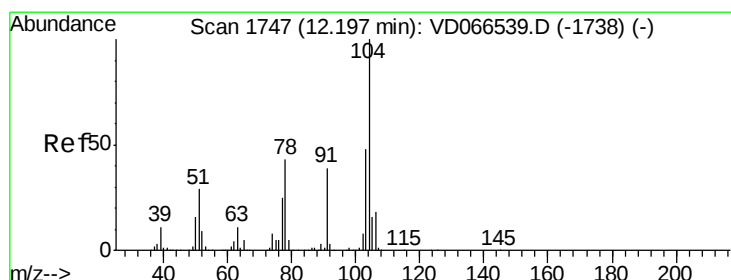
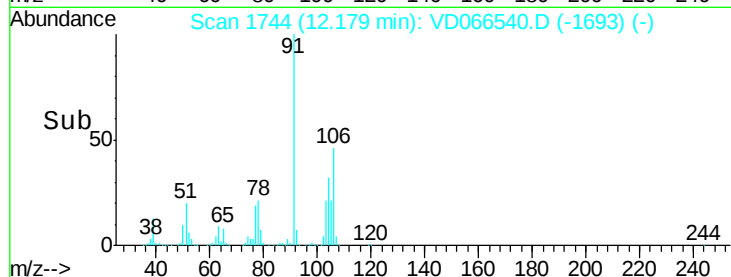
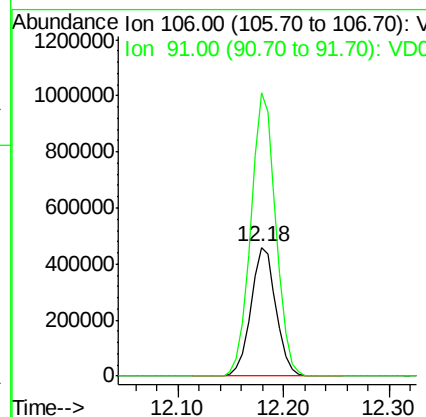
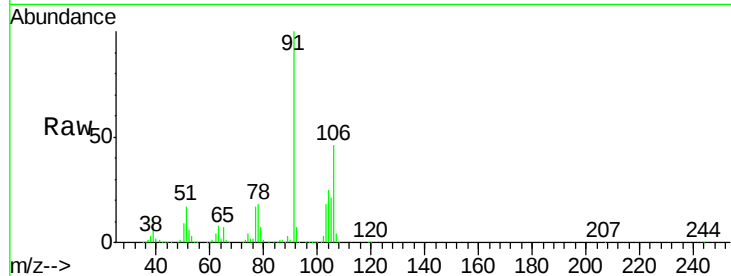
#69
o-Xylene
Concen: 104.374 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		754377		
91	219.6	107.9	323.8		

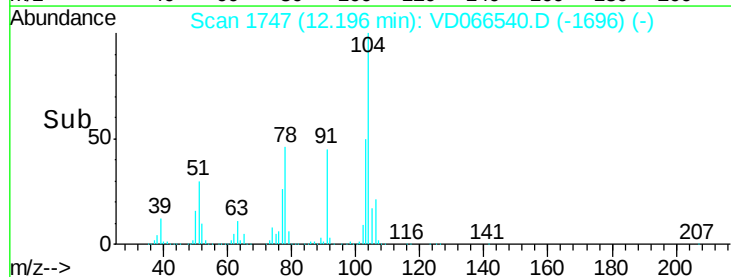
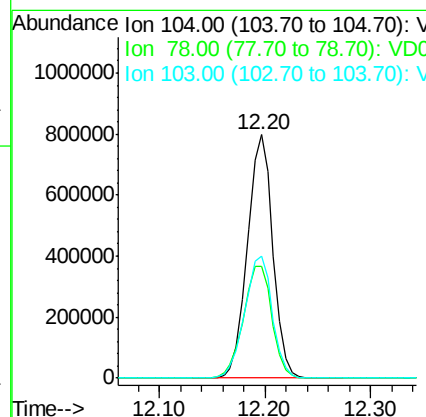
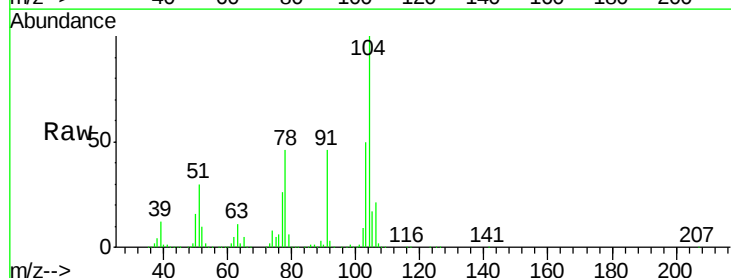
Manual Integrations
APPROVED

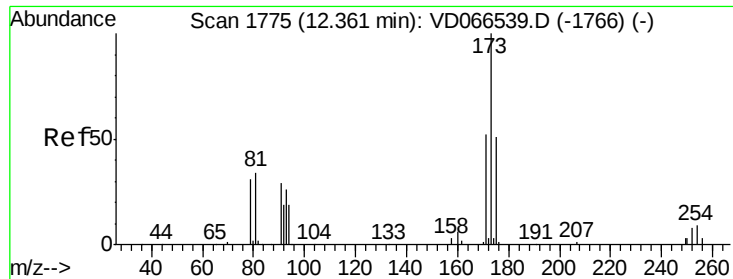
MMDadoda
9/4/2020 4:54:57 PM



#70
Styrene
Concen: 107.239 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1327996		
78	51.8	40.7	61.1		
103	54.5	42.9	64.3		





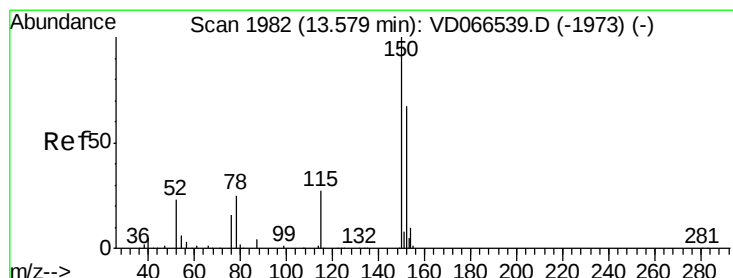
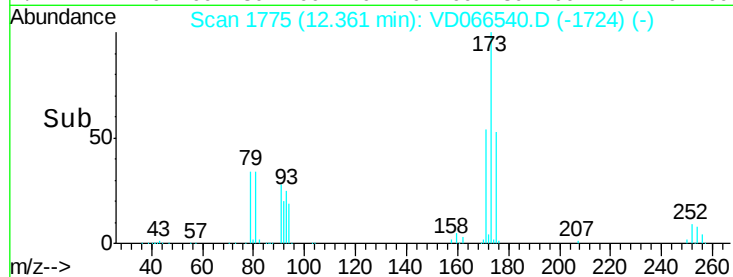
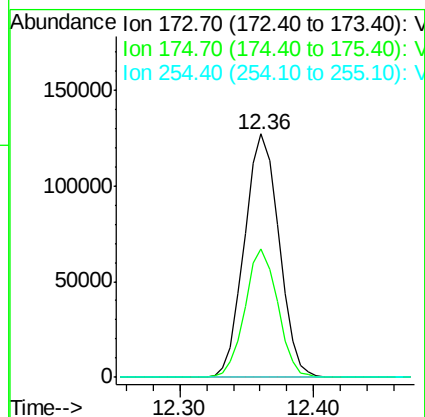
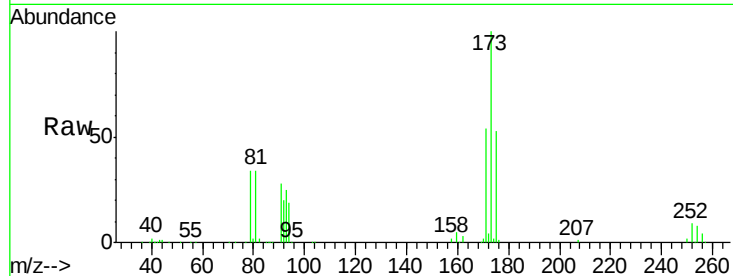
#71
Bromoform
Concen: 90.990 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.2	72.6
254	0.1	0.0	0.0

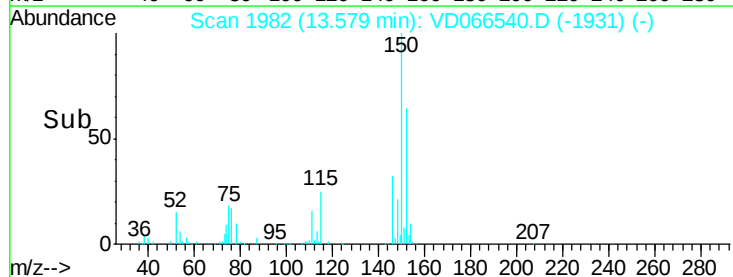
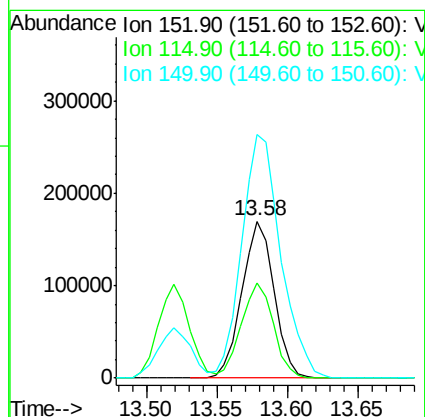
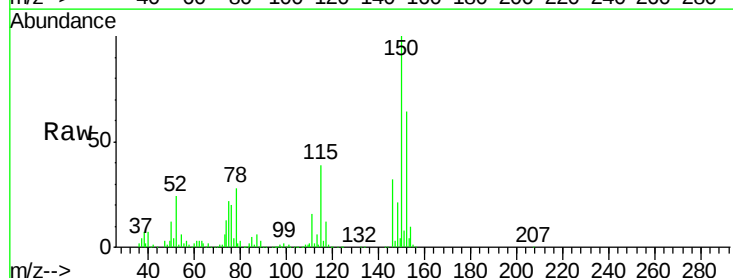
Manual Integrations
APPROVED

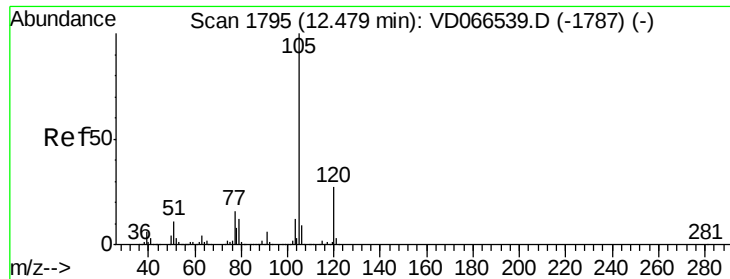
MMDadoda
9/4/2020 4:54:57 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.4	91.2
150	188.4	0.0	345.8





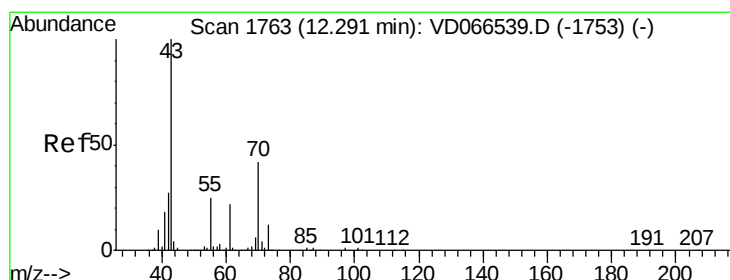
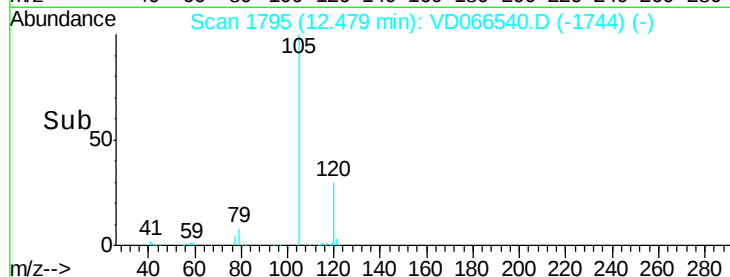
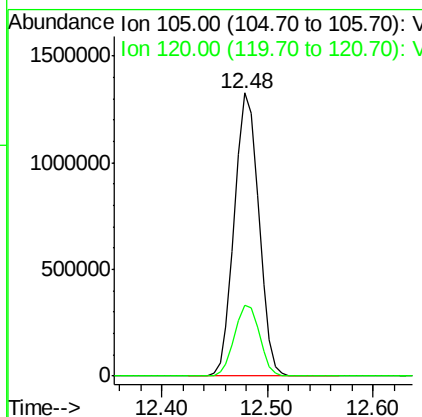
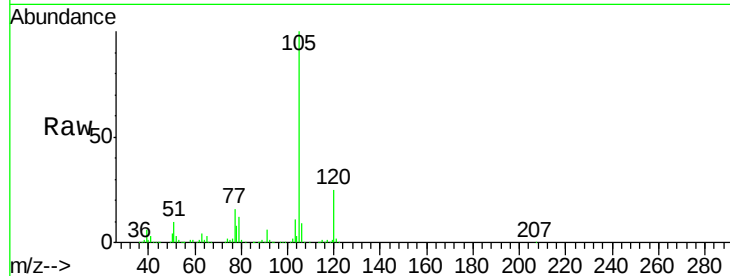
#73
Isopropylbenzene
Concen: 115.209 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 2119747
Ion Ratio Lower Upper
105 100
120 25.8 13.0 39.0

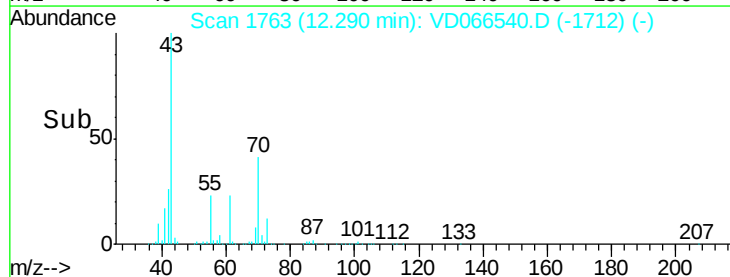
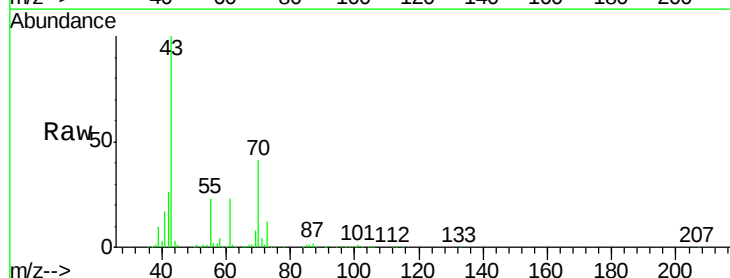
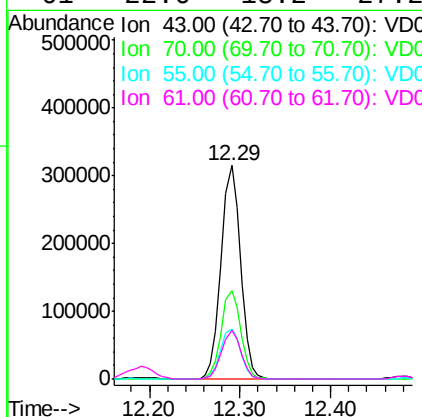
Manual Integrations
APPROVED

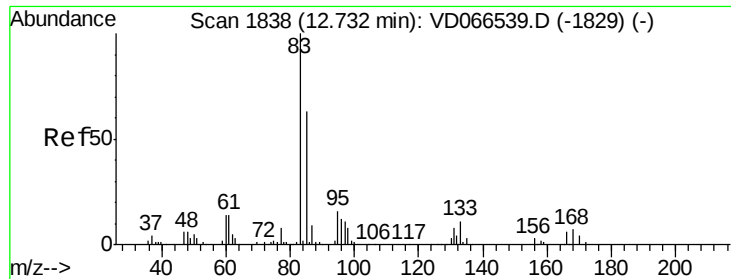
MMDadoda
9/4/2020 4:54:57 PM



#74
N-ethyl acetate
Concen: 155.286 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion: 43 Resp: 470407
Ion Ratio Lower Upper
43 100
70 41.3 33.4 50.2
55 24.2 20.1 30.1
61 22.6 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 145.060 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Instrument :

MSVOA_D

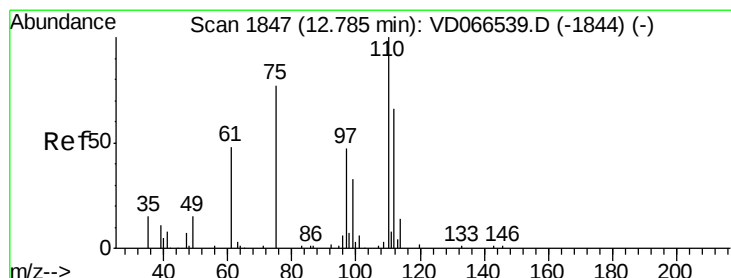
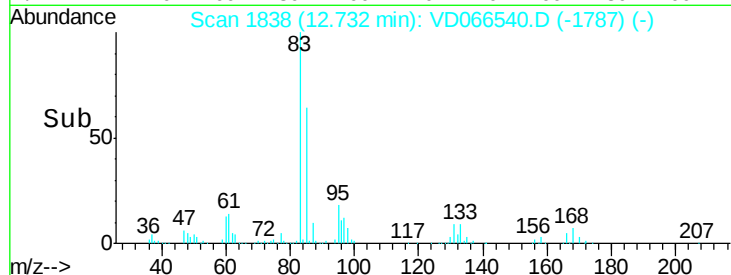
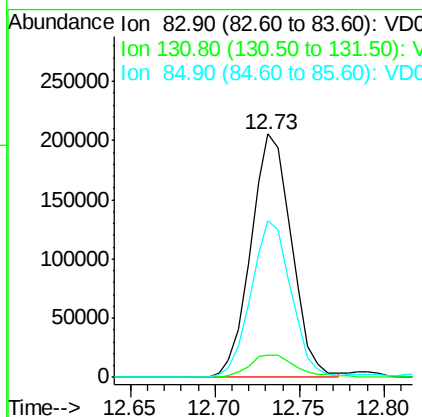
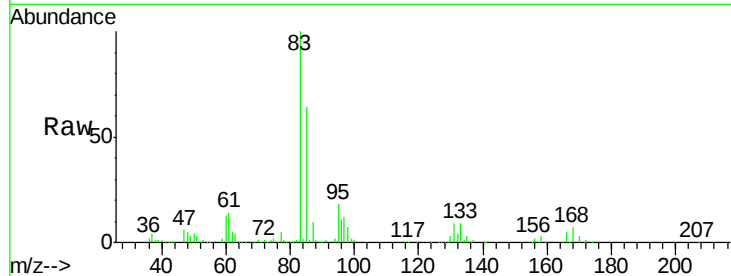
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	343522
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	63.6	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 126.691 ug/l m

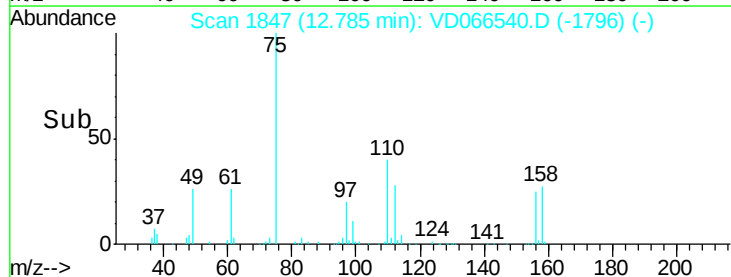
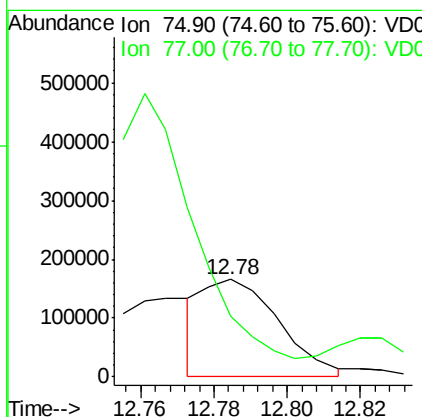
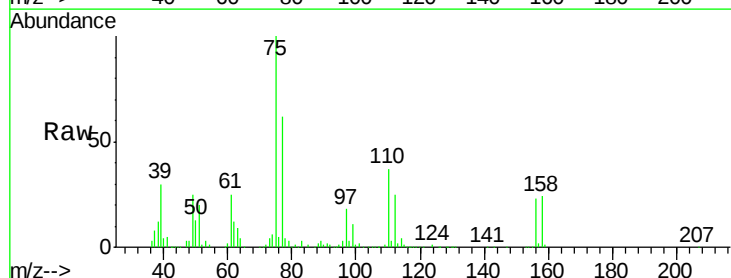
RT: 12.78 min Scan# 1847

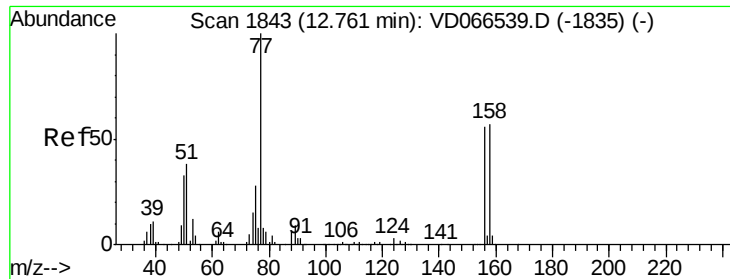
Delta R.T. -0.00 min

Lab File: VD066540.D

Acq: 03 Sep 2020 16:23

Tgt Ion:	75	Resp:	237824
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





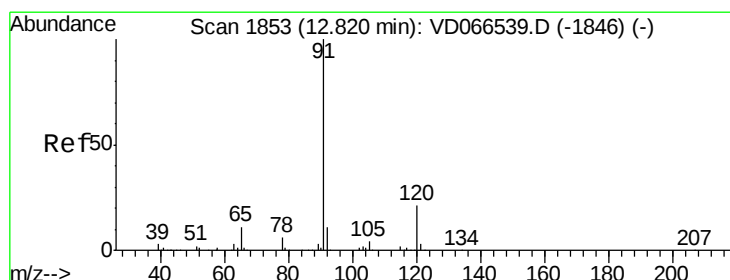
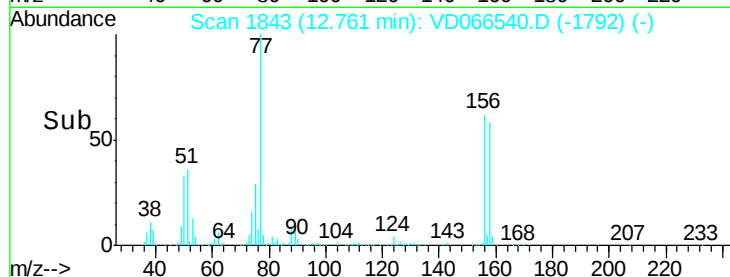
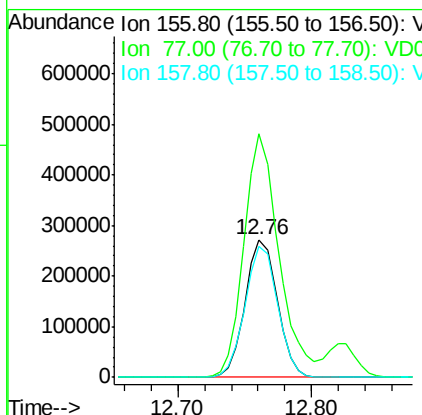
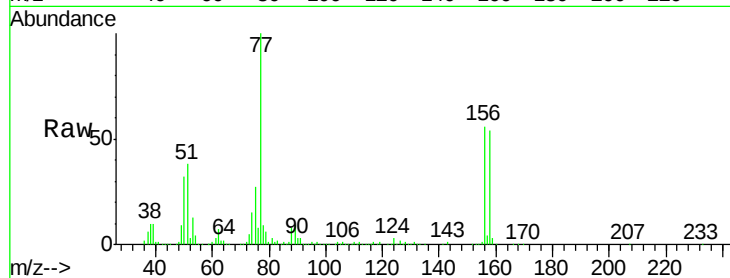
#77
Bromobenzene
Concen: 99.157 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.3	98.0	294.1
158	96.7	48.1	144.3

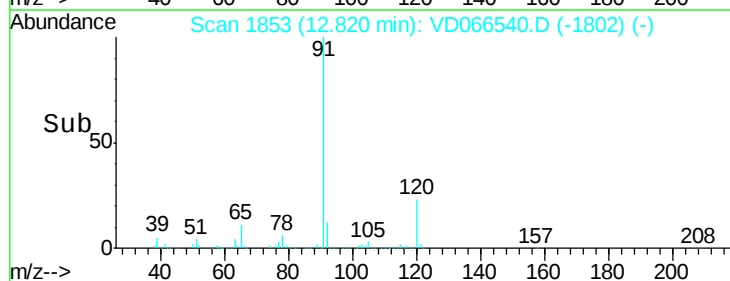
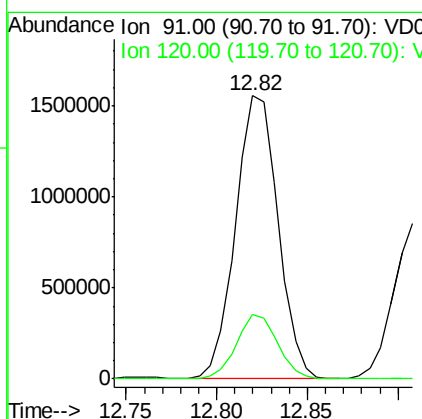
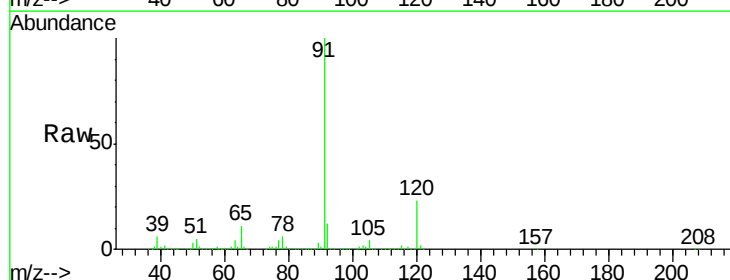
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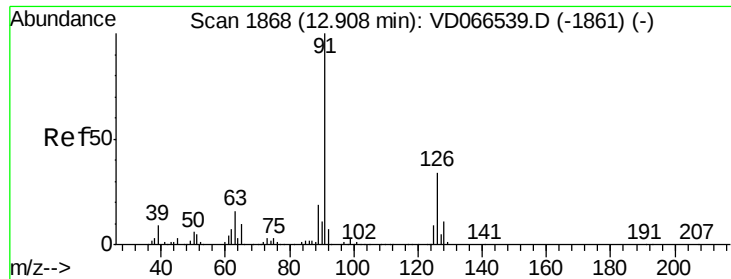
MMDadoda
9/4/2020 4:54:57 PM



#78
n-propylbenzene
Concen: 123.253 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1





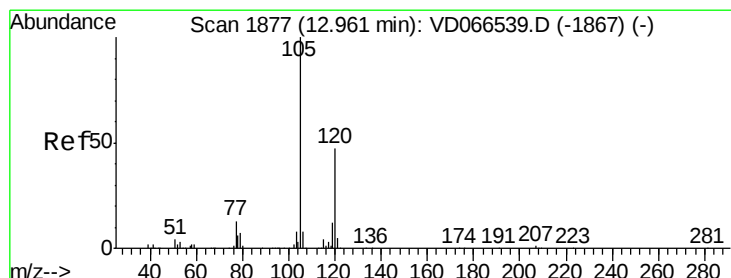
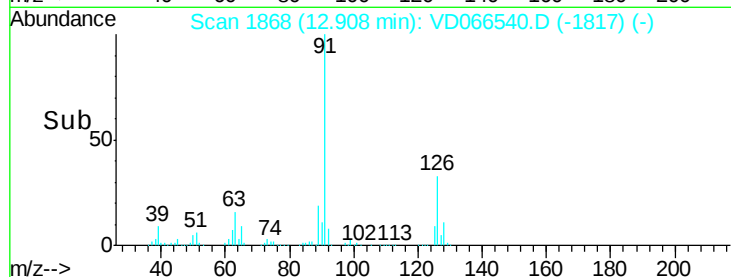
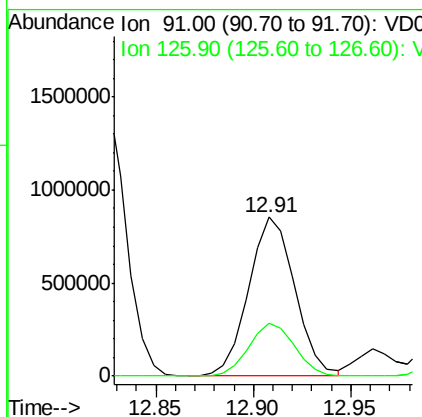
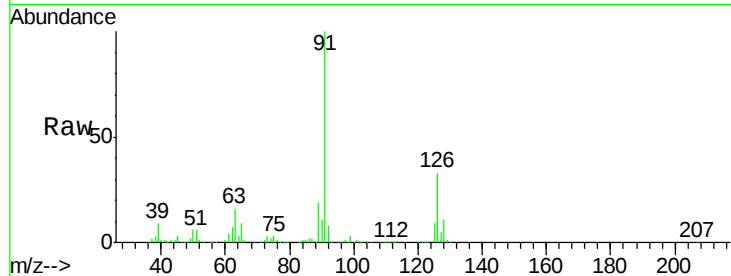
#79
2-Chlorotoluene
Concen: 119.478 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1403319
Ion Ratio Lower Upper
91 100
126 33.0 16.4 49.4

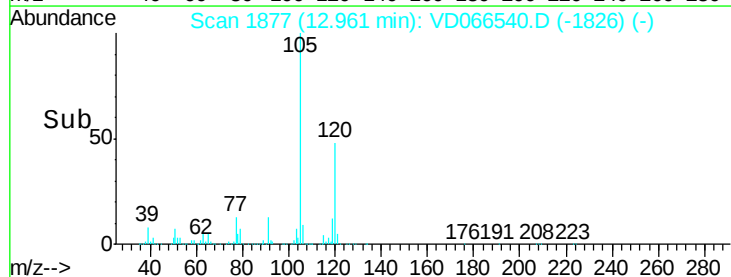
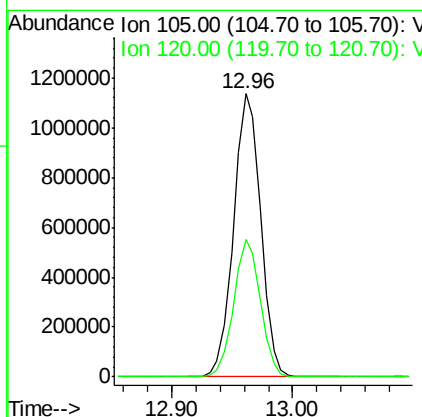
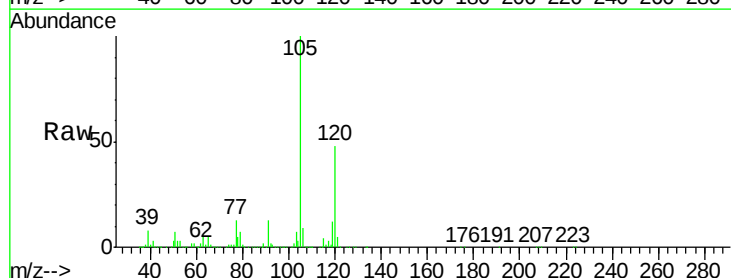
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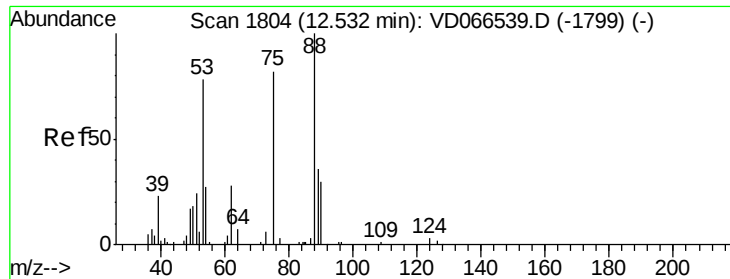
MMDadoda
9/4/2020 4:54:57 PM



#80
1,3,5-Trimethylbenzene
Concen: 111.280 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion: 105 Resp: 1775777
Ion Ratio Lower Upper
105 100
120 47.6 23.9 71.8





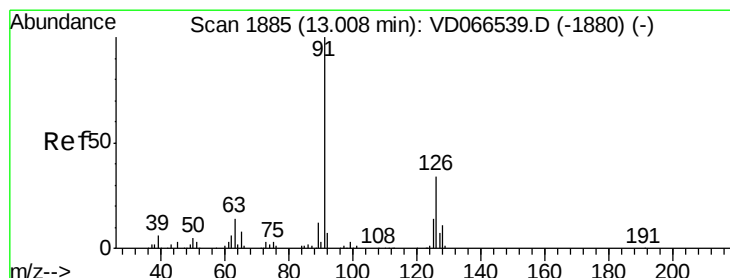
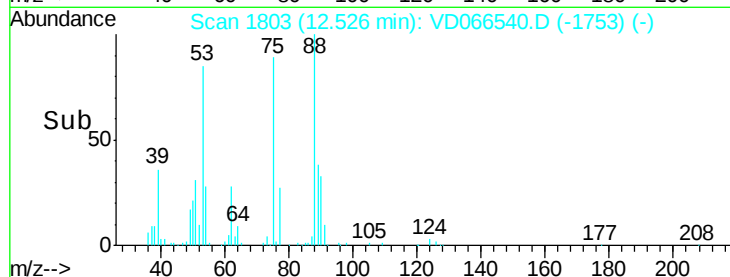
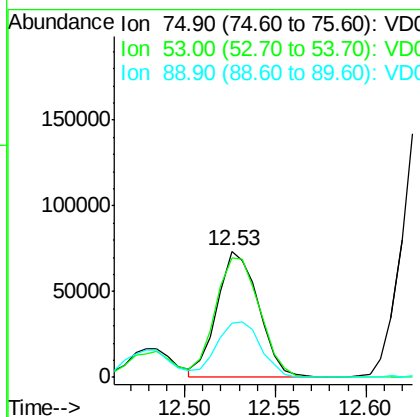
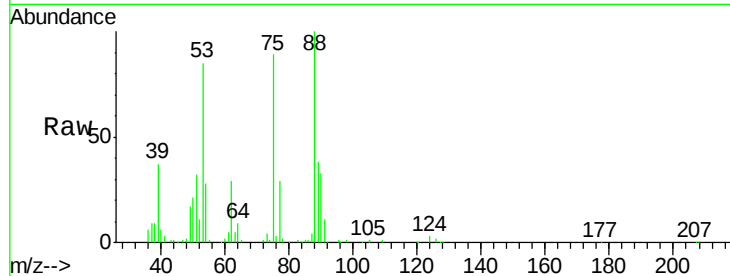
#81
trans-1,4-Dichloro-2-butene
Concen: 143.434 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.8	87.0	130.4
89	47.3	37.1	55.7

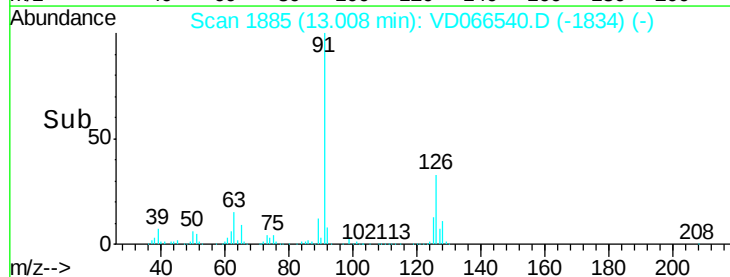
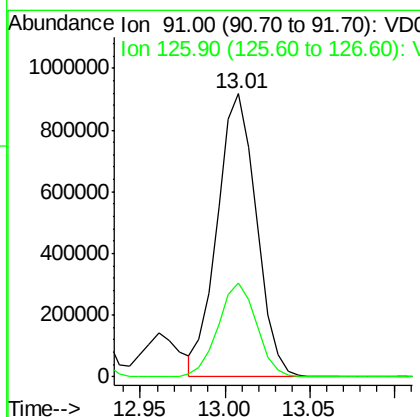
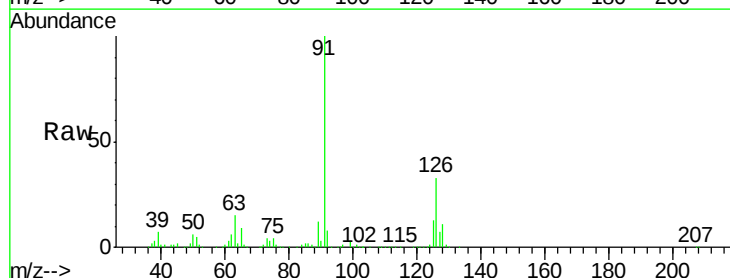
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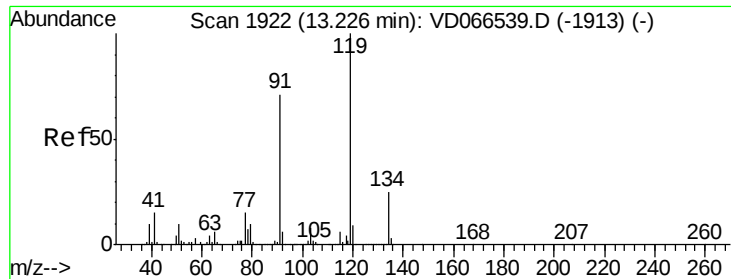
MMDadoda
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#82
4-Chlorotoluene
Concen: 117.257 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.1





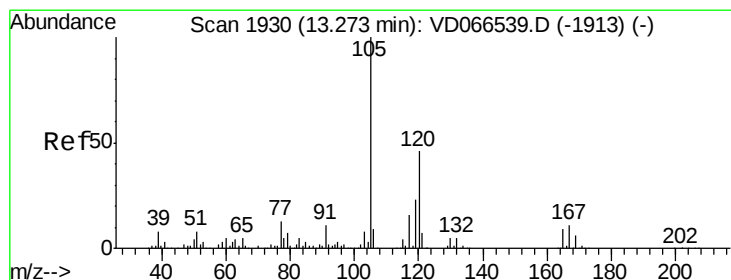
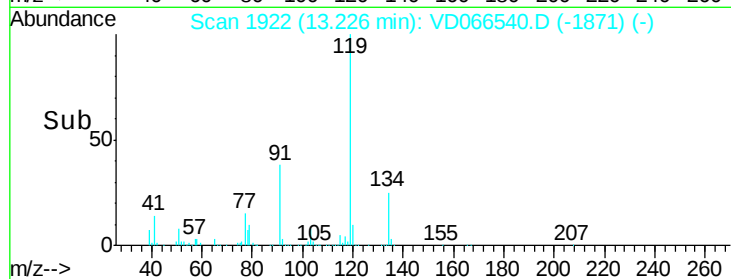
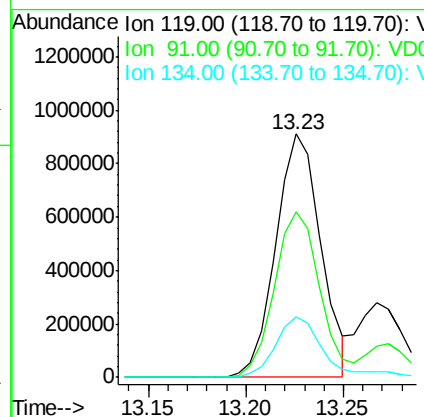
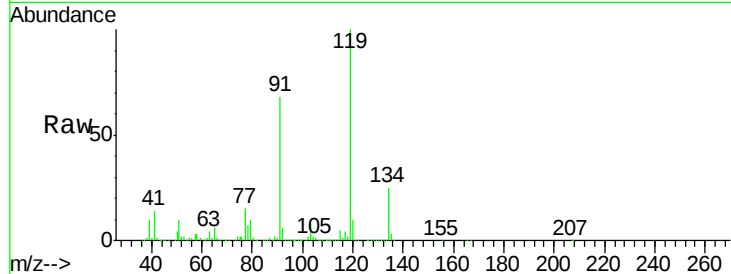
#83
 tert-Butylbenzene
 Concen: 105.414 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1453578
 Ion Ratio Lower Upper
 119 100
 91 68.9 35.2 105.6
 134 26.8 13.5 40.5

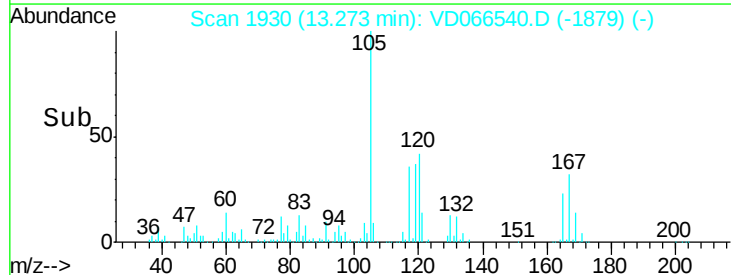
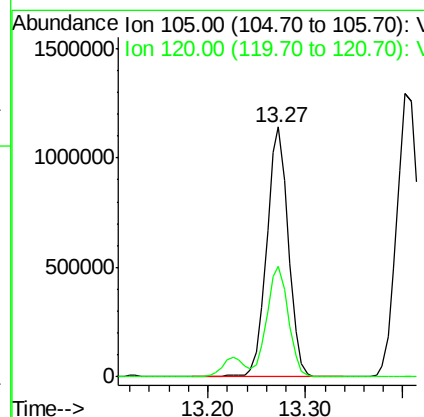
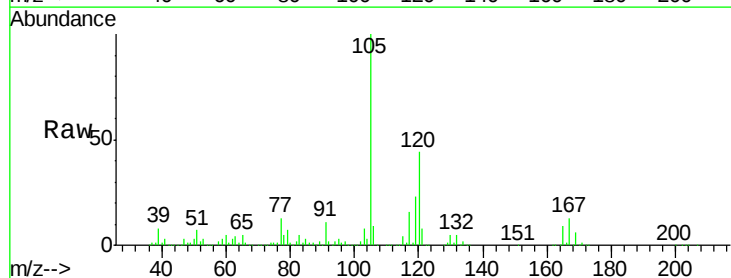
Manual Integrations
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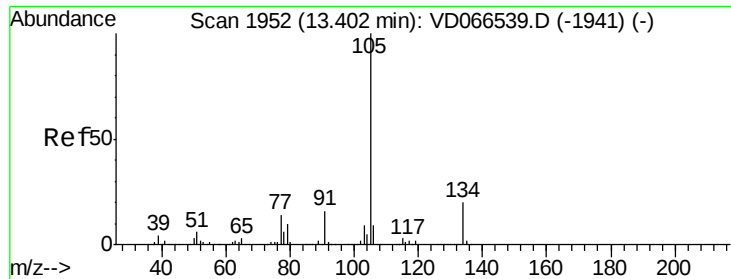
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#84
 1,2,4-Trimethylbenzene
 Concen: 112.044 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion:105 Resp: 1778990
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.6 67.7





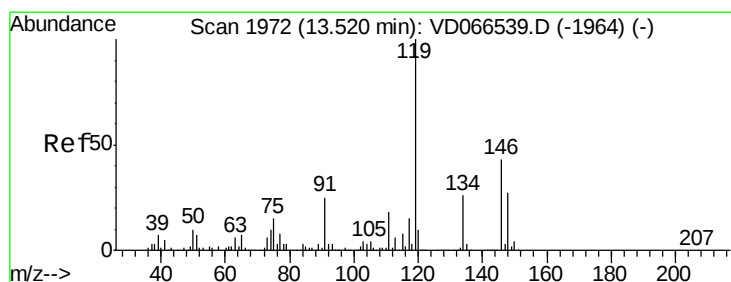
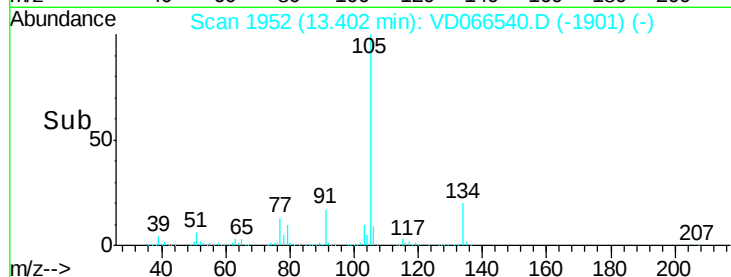
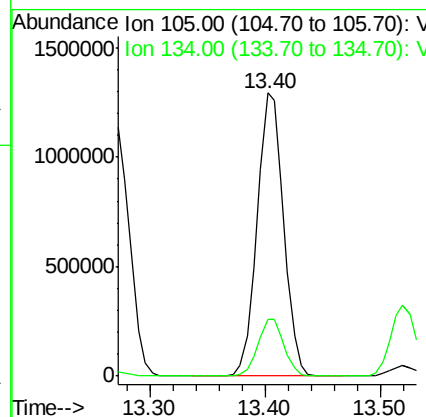
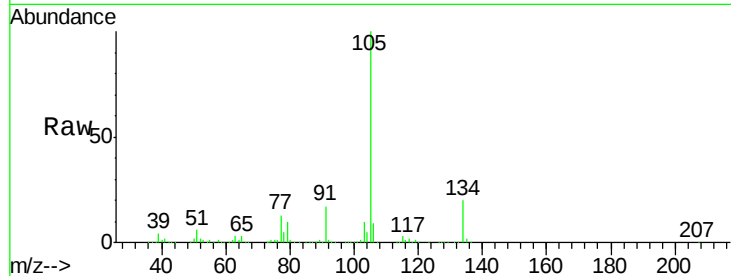
#85
 sec-Butylbenzene
 Concen: 115.163 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

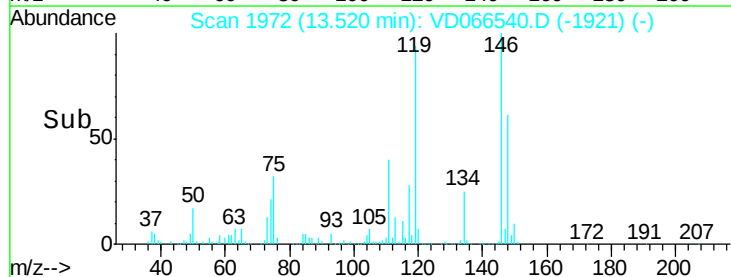
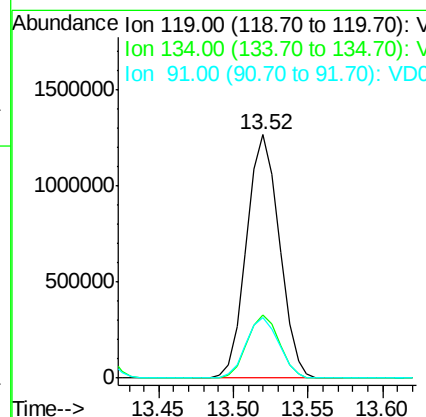
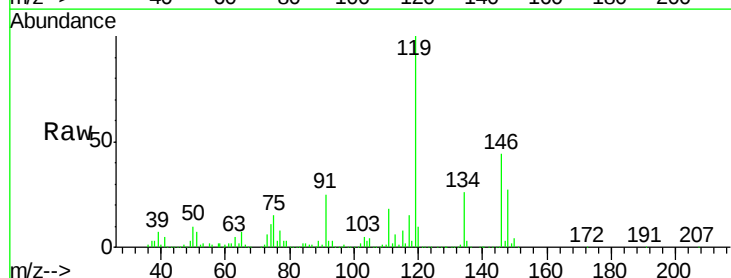
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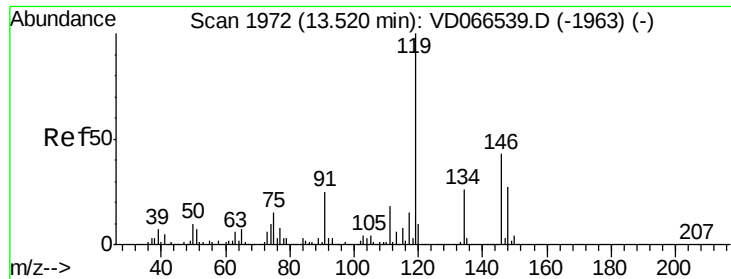
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#86
 p-Isopropyltoluene
 Concen: 109.311 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.7	38.0
91	24.9	12.5	37.5





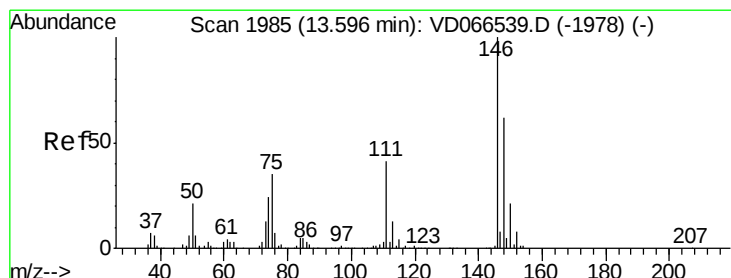
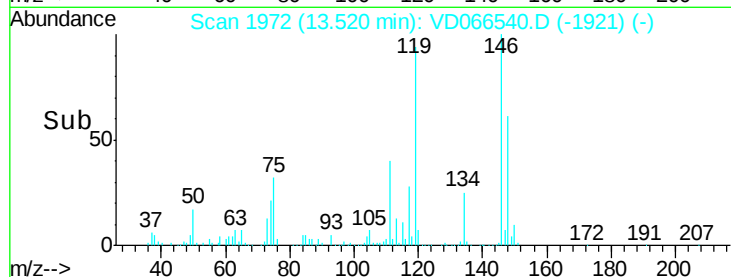
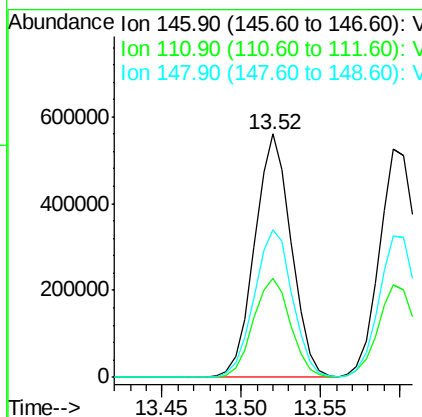
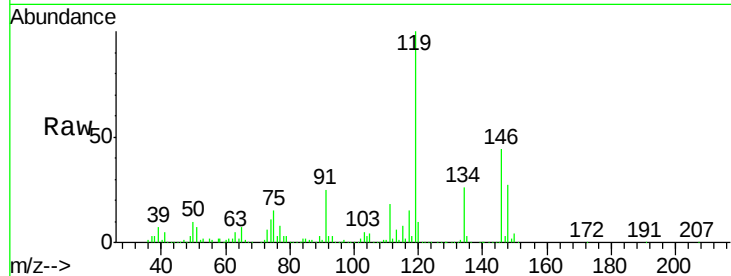
#87
 1,3-Dichlorobenzene
 Concen: 105.164 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	897752		
111	41.4	20.6	61.9	
148	63.3	32.1	96.3	

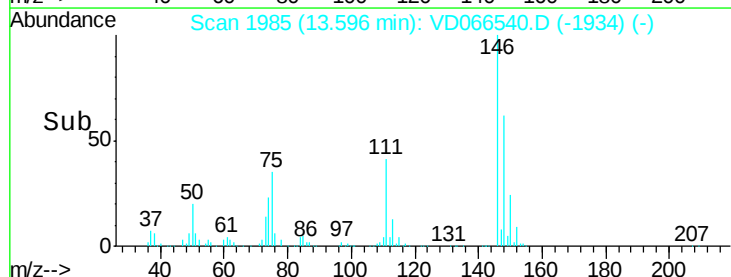
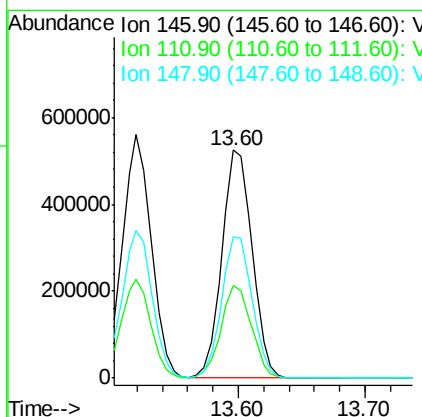
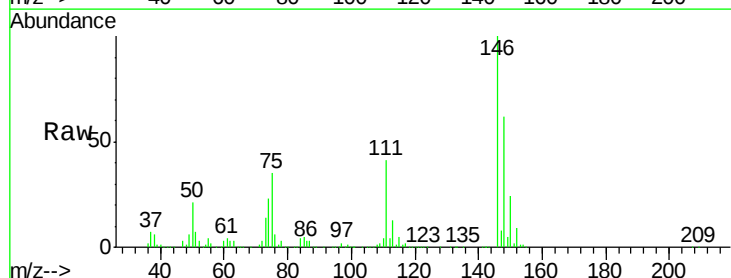
Manual Integrations
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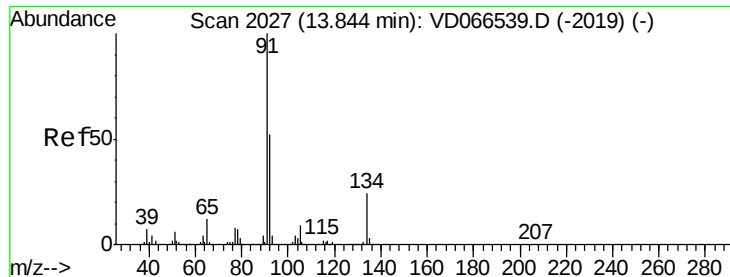
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 9/4/2020 4:54:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 100.985 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	868155		
111	40.6	20.1	60.2	
148	62.8	31.6	94.8	





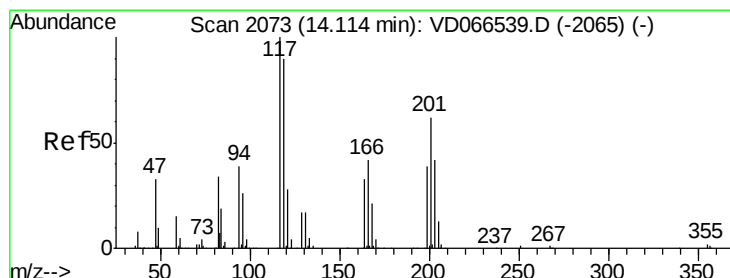
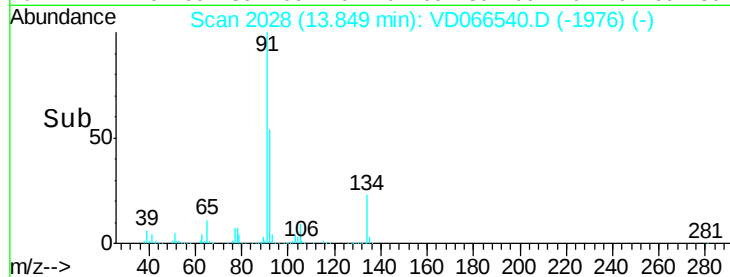
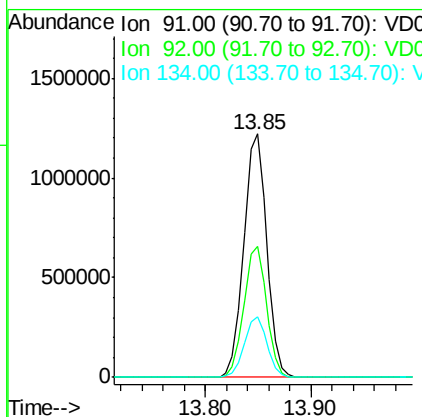
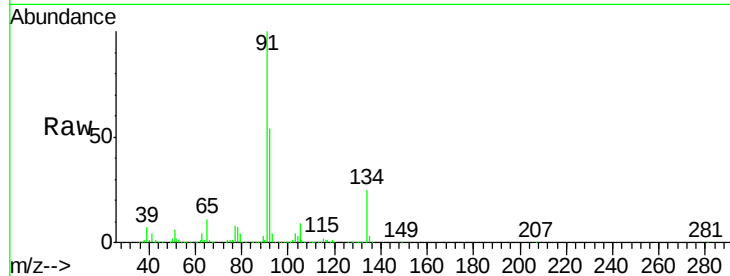
#89
n-Butylbenzene
Concen: 121.297 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.5
134	24.7	12.1	36.3

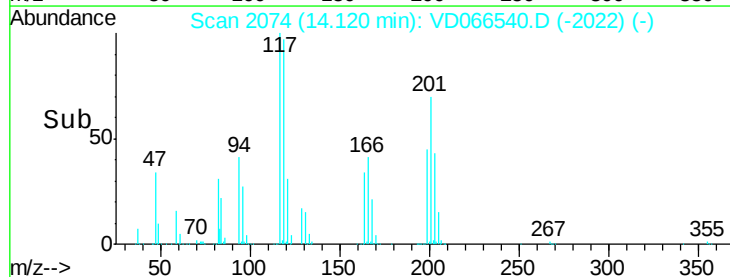
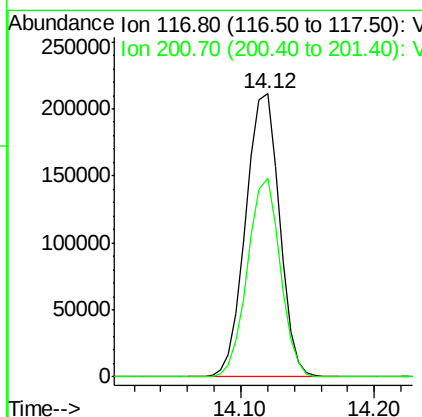
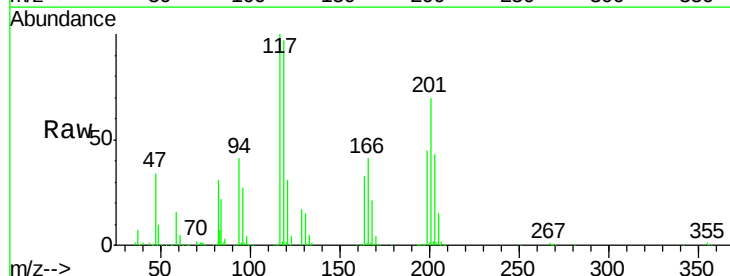
Manual Integrations
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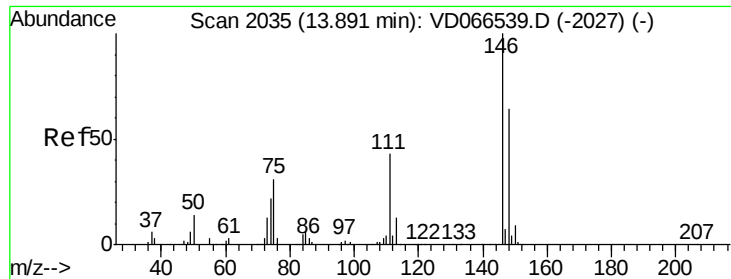
MMDadoda
9/4/2020 4:54:57 PM



#90
Hexachloroethane
Concen: 113.635 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.7	31.9	95.5





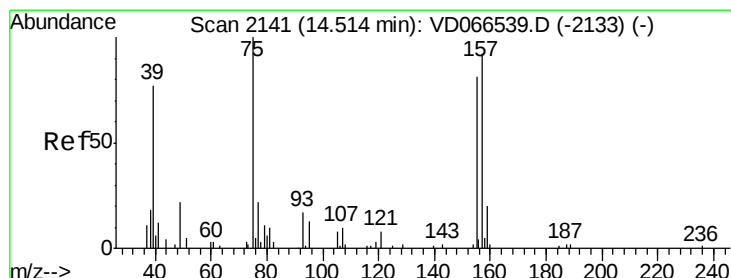
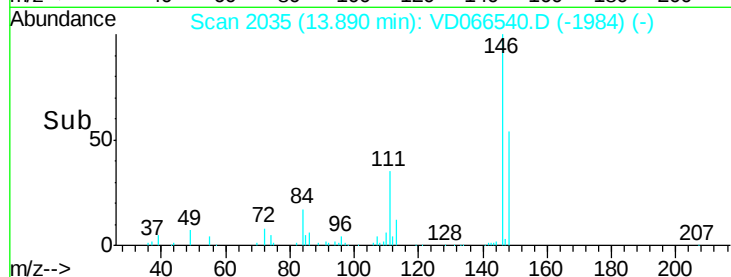
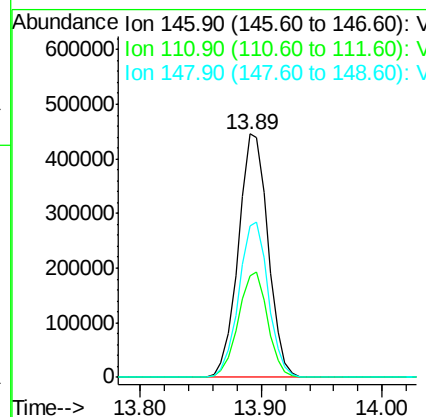
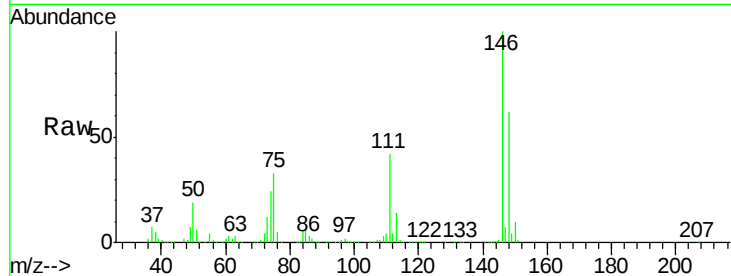
#91
 1,2-Dichlorobenzene
 Concen: 103.145 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.3	31.8	95.3

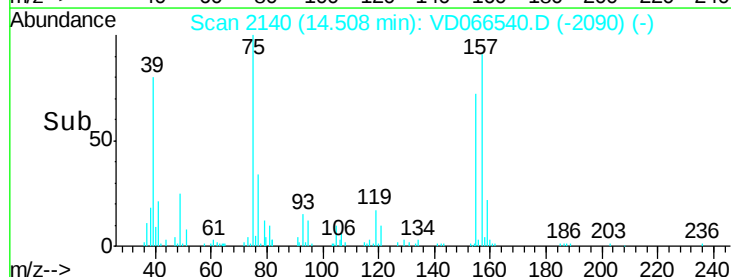
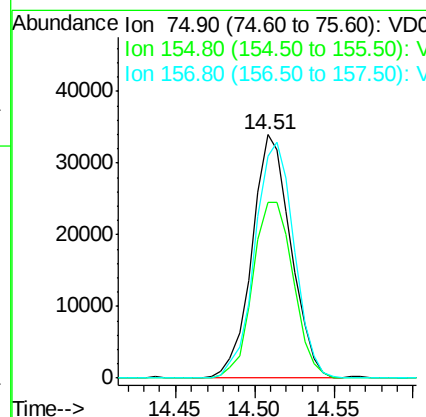
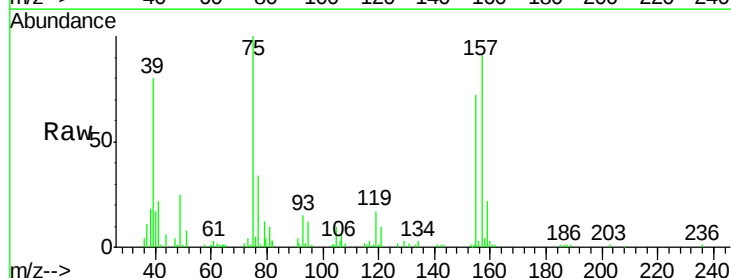
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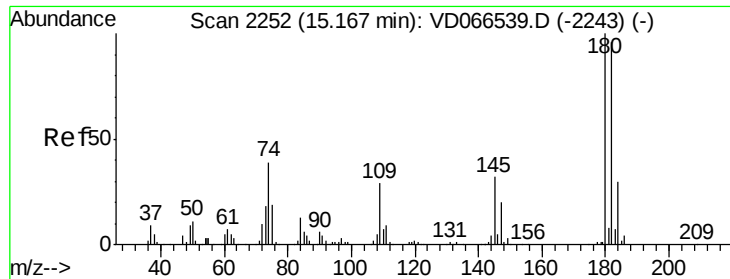
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.773 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.4	39.3	117.8
157	97.8	46.0	137.8





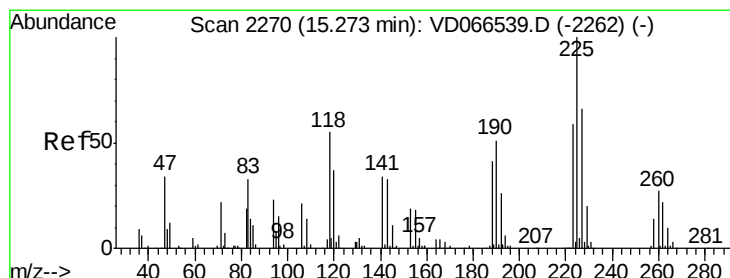
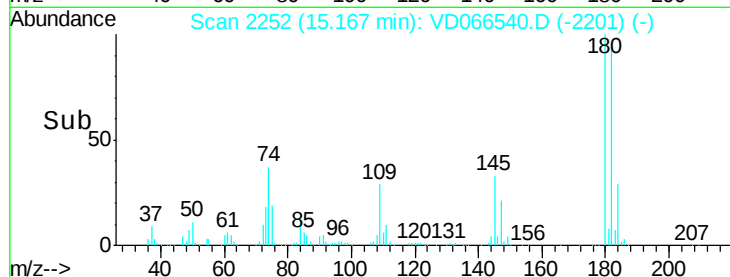
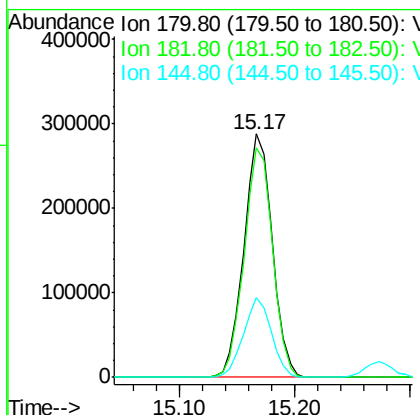
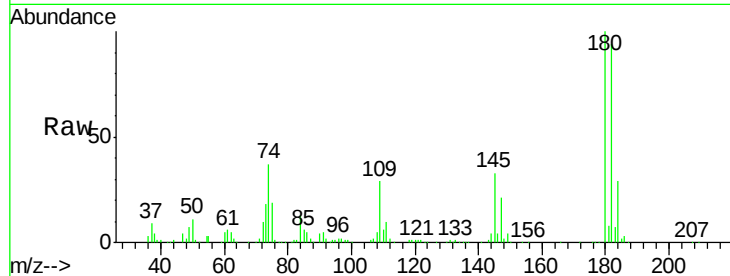
#93
 1,2,4-Trichlorobenzene
 Concen: 87.351 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	490689		
182	94.7	48.4	145.0	
145	32.3	16.7	50.0	

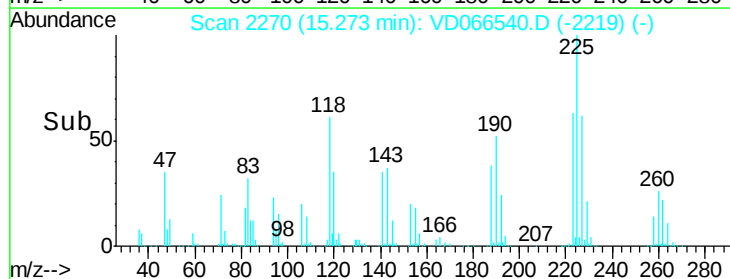
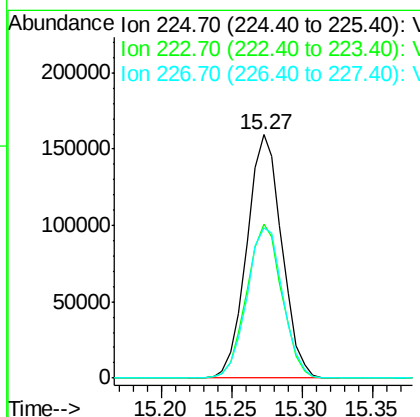
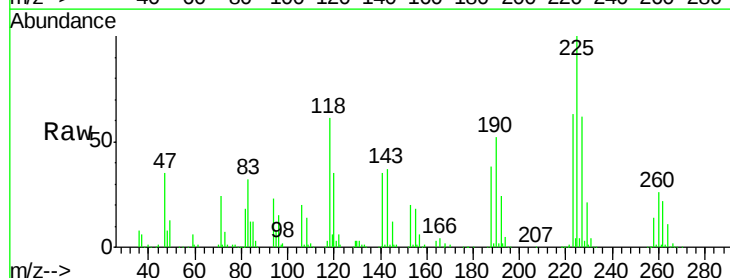
Manual Integrations
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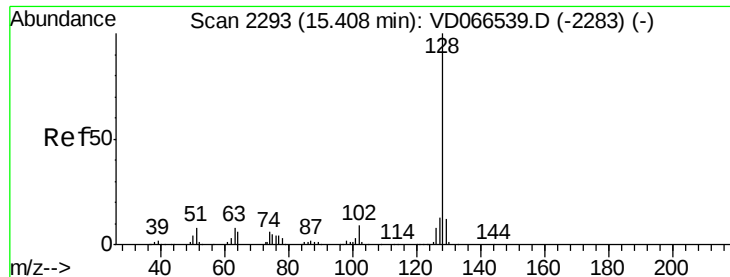
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#94
 Hexachlorobutadiene
 Concen: 76.736 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066540.D
 Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	276693		
223	63.7	30.5	91.5	
227	63.8	32.4	97.2	





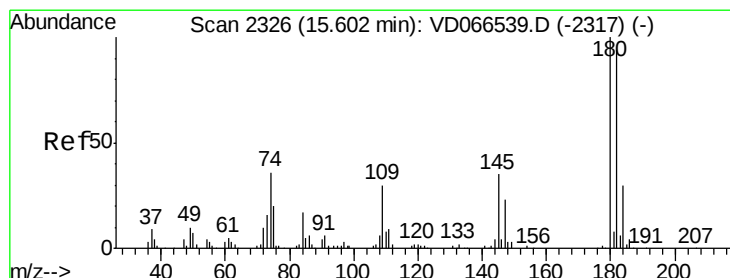
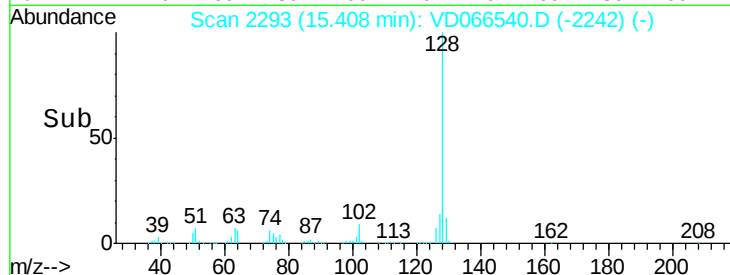
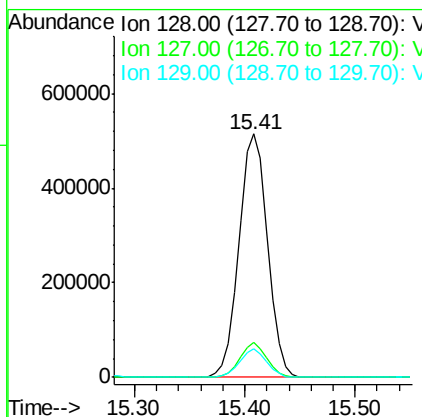
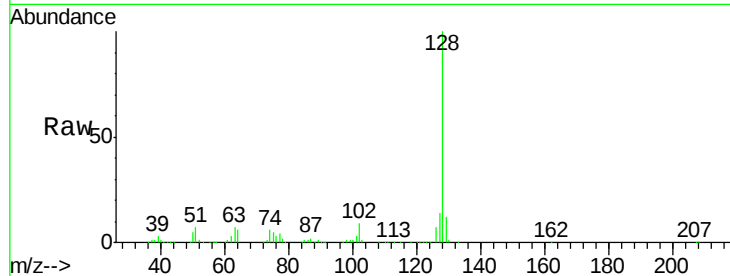
#95
Naphthalene
Concen: 104.431 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	935799		
127	13.4	10.7	16.1	
129	11.0	9.1	13.7	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 86.561 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066540.D
Acq: 03 Sep 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	421424		
182	96.2	47.9	143.6	
145	34.8	17.3	51.7	

