

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066860.D
 Acq On : 24 Sep 2020 19:23
 Operator : VA/SY
 Sample : L4127-05MSD
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Manual Integrations
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MMDadoda
 9/25/2020 4:00:16 PM

Quant Time: Sep 25 02:26:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	335801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	570053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	455677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	137284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	176980	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.91	113	186201	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	10.34	98	579028	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
62) 4-Bromofluorobenzene	12.63	95	163550	38.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	122026	52.393	ug/l	91
3) Chloromethane	2.21	50	148605	48.165	ug/l	95
4) Vinyl Chloride	2.35	62	147528	48.400	ug/l	96
5) Bromomethane	2.77	94	110044	51.364	ug/l	94
6) Chloroethane	2.92	64	94966	50.171	ug/l	92
7) Trichlorofluoromethane	3.27	101	302304	48.292	ug/l	100
8) Diethyl Ether	3.71	74	92793	58.389	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	152849	42.108	ug/l	98
10) Methyl Iodide	4.30	142	167580	52.317	ug/l	97
11) Tert butyl alcohol	5.23	59	52359	266.943	ug/l	98
12) 1,1-Dichloroethene	4.07	96	164544	50.040	ug/l	92
13) Acrolein	3.92	56	58683	242.034	ug/l	100
14) Allyl chloride	4.71	41	253374	52.475	ug/l	97
15) Acrylonitrile	5.42	53	193632	274.936	ug/l	99
16) Acetone	4.16	43	190005	272.519	ug/l	97
17) Carbon Disulfide	4.40	76	464494	46.204	ug/l	98
18) Methyl Acetate	4.72	43	124494	82.376	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	434267	60.814	ug/l	98
20) Methylene Chloride	4.97	84	226904	61.658	ug/l	97
21) trans-1,2-Dichloroethene	5.48	96	199399	52.371	ug/l	96
22) Diisopropyl ether	6.37	45	601086	60.545	ug/l	97
23) Vinyl Acetate	6.31	43	1173253	218.013	ug/l	99
24) 1,1-Dichloroethane	6.26	63	357881	53.885	ug/l	99
25) 2-Butanone	7.21	43	225593	269.246	ug/l	95
26) 2,2-Dichloropropane	7.21	77	286199	47.015	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	229580	55.496	ug/l	97
28) Bromochloromethane	7.55	49	166847	60.809	ug/l	96
29) Tetrahydrofuran	7.57	42	150988	281.240	ug/l	96
30) Chloroform	7.71	83	382984	53.495	ug/l	96
31) Cyclohexane	7.98	56	176842	29.592	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	322115	49.737	ug/l	99
36) 1,1-Dichloropropene	8.11	75	244217	43.183	ug/l	99
37) Ethyl Acetate	7.29	43	100599	49.205	ug/l #	95
38) Carbon Tetrachloride	8.10	117	257849	41.703	ug/l	98

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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	9.36	83	113747	17.518	ug/l	96
40) Benzene	8.35	78	793719	50.358	ug/l	99
41) Methacrylonitrile	7.53	41	65374	51.996	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	237535	50.979	ug/l	100
43) Isopropyl Acetate	8.45	43	195138	49.507	ug/l	98
44) Trichloroethene	9.11	130	199446	44.395	ug/l	99
45) 1,2-Dichloropropane	9.38	63	201301	50.762	ug/l	98
46) Dibromomethane	9.47	93	107664	49.969	ug/l	96
47) Bromodichloromethane	9.66	83	282904	48.878	ug/l #	99
48) Methyl methacrylate	9.46	41	108567	55.865	ug/l	95
49) 1,4-Dioxane	9.46	88	28238	1173.700	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	538127	269.435	ug/l	100
52) Toluene	10.40	92	472811	46.571	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	249656	50.678	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	304050	50.617	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	156480	52.830	ug/l	94
56) Ethyl methacrylate	10.66	69	175849	55.419	ug/l	97
57) 1,3-Dichloropropane	10.94	76	250376	51.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	381097	253.651	ug/l	99
59) 2-Hexanone	10.98	43	375468	278.766	ug/l	99
60) Dibromochloromethane	11.14	129	192897	49.899	ug/l	99
61) 1,2-Dibromoethane	11.24	107	139978	50.809	ug/l	97
64) Tetrachloroethene	10.87	164	139670	42.612	ug/l	98
65) Chlorobenzene	11.67	112	460308	48.529	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	190105	52.955	ug/l	97
67) Ethyl Benzene	11.74	91	746429	44.806	ug/l	100
68) m/p-Xylenes	11.86	106	565930	89.726	ug/l	99
69) o-Xylene	12.18	106	273376	47.933	ug/l	98
70) Styrene	12.20	104	467614	47.213	ug/l	98
71) Bromoform	12.36	173	100540	55.314	ug/l #	97
73) Isopropylbenzene	12.48	105	539953	54.445	ug/l	99
74) N-amyl acetate	12.28	43	185375	95.716	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	142402	83.213	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	90946m	79.938	ug/l	
77) Bromobenzene	12.76	156	163130	70.331	ug/l	99
78) n-propylbenzene	12.82	91	539205	45.193	ug/l	100
79) 2-Chlorotoluene	12.91	91	376604	55.391	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	447959	53.233	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	41386	91.012	ug/l	91
82) 4-Chlorotoluene	13.01	91	378333	52.788	ug/l	99
83) tert-Butylbenzene	13.23	119	289729	41.900	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	500673	60.001	ug/l	98
85) sec-Butylbenzene	13.40	105	316440	31.824	ug/l	99
86) p-Isopropyltoluene	13.52	119	299247	33.387	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	204297	44.583	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	211452	46.460	ug/l	99
89) n-Butylbenzene	13.84	91	214104	25.132	ug/l	90
90) Hexachloroethane	14.11	117	60010	32.979	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	193739	49.417	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21820	79.263	ug/l	89

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B-2(4-5)MSD

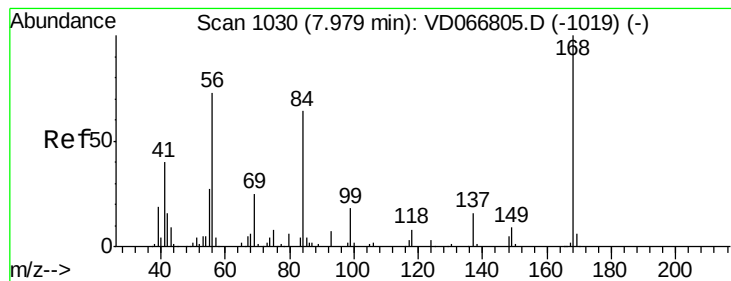
Manual Integrations
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9/25/2020 4:00:16 PM

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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	53652	21.739	ug/l #	88
94) Hexachlorobutadiene	15.27	225	15981	10.806	ug/l	94
95) Naphthalene	15.40	128	251228	59.958	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	47171	22.145	ug/l #	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066860.D

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Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

Tot Ion:168 Resp: 335801

Ion Ratio Lower Upper

168 100

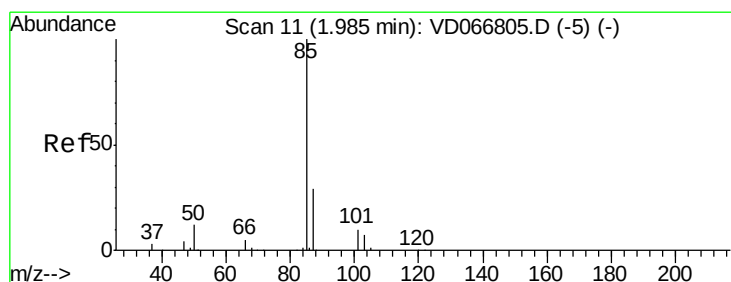
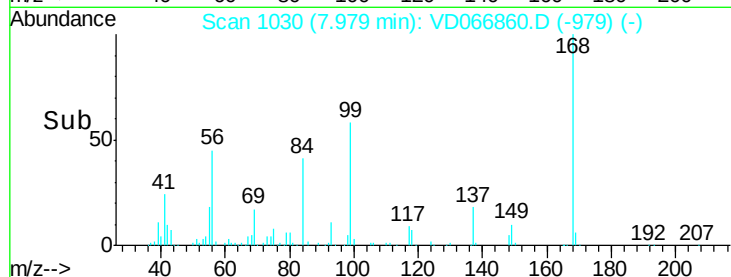
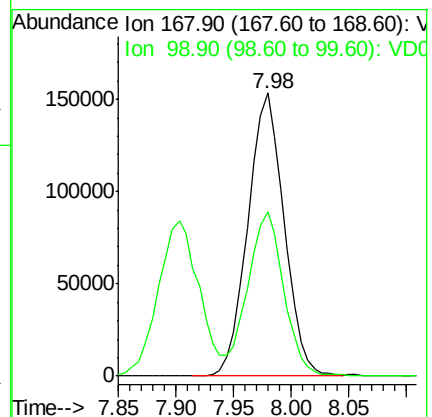
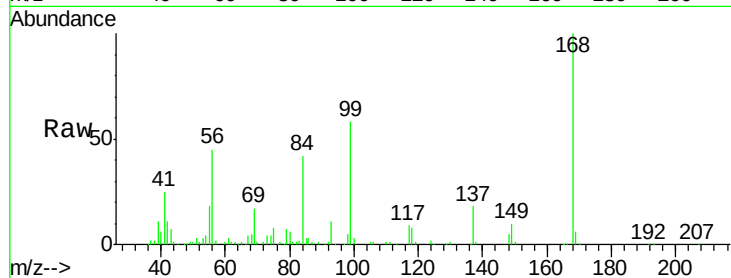
99 57.3 46.6 69.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 52.393 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066860.D

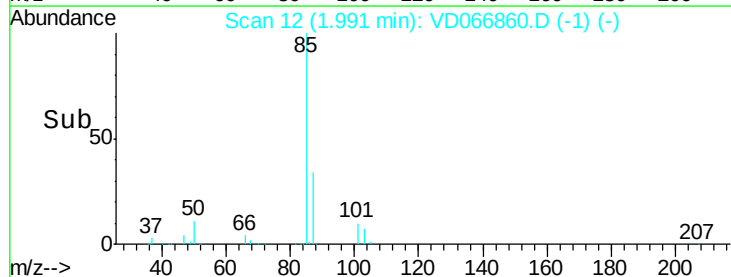
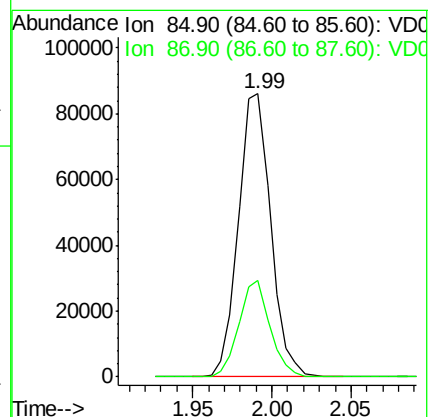
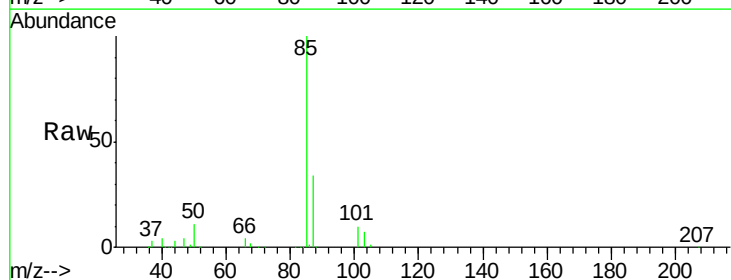
Acq: 24 Sep 2020 19:23

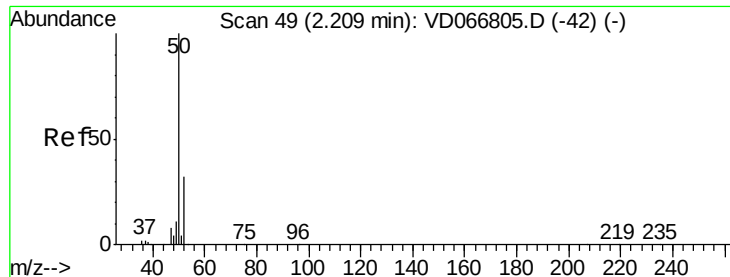
Tgt Ion: 85 Resp: 122026

Ion Ratio Lower Upper

85 100

87 34.0 14.5 43.5





#3

Chloromethane

Concen: 48.165 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

Tot Ion: 50 Resp: 148605

Ion Ratio Lower Upper

50 100

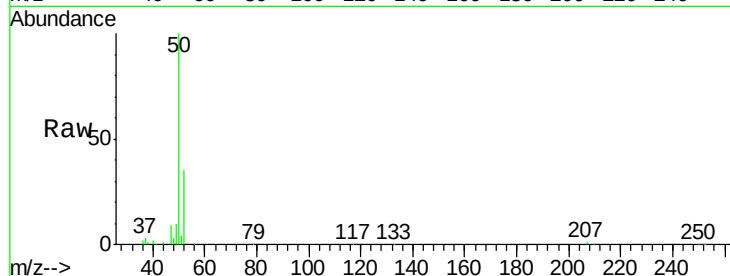
52 34.8 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

120000

100000

80000

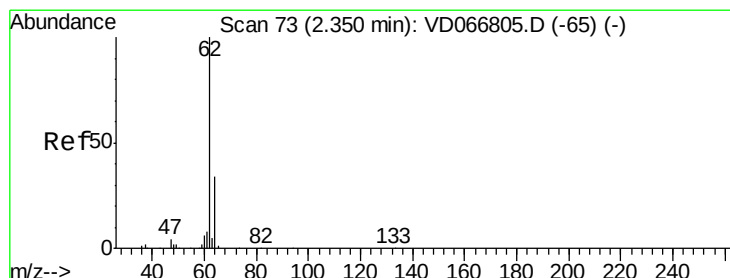
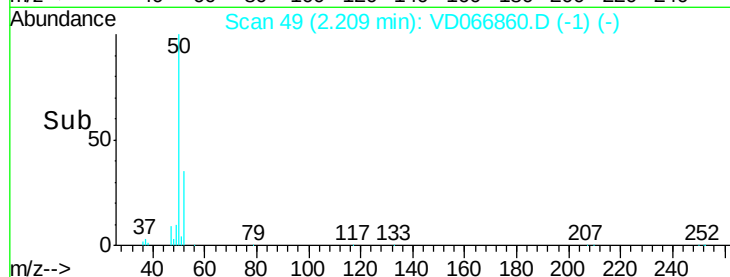
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 48.400 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066860.D

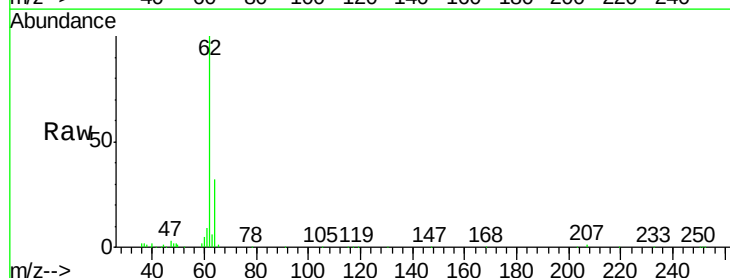
Acq: 24 Sep 2020 19:23

Tgt Ion: 62 Resp: 147528

Ion Ratio Lower Upper

62 100

64 31.6 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

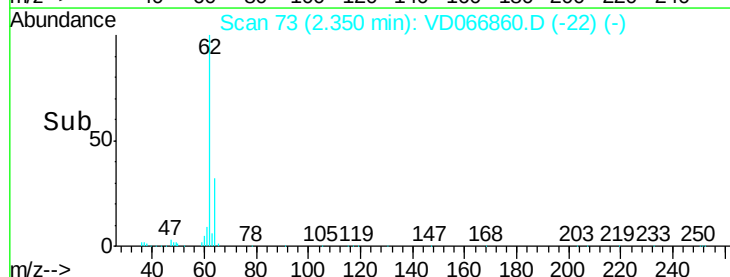
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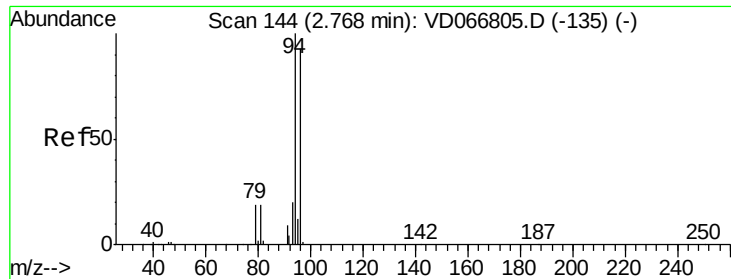
40000

20000

0

Time-->





#5

Bromomethane

Concen: 51.364 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

Tot Ion: 94 Resp: 110044

Ion Ratio Lower Upper

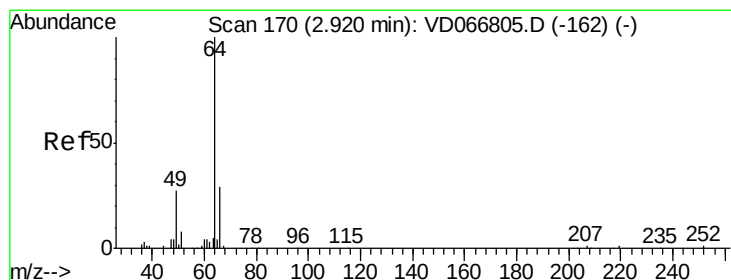
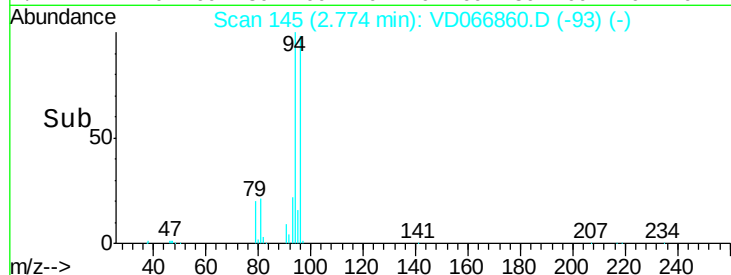
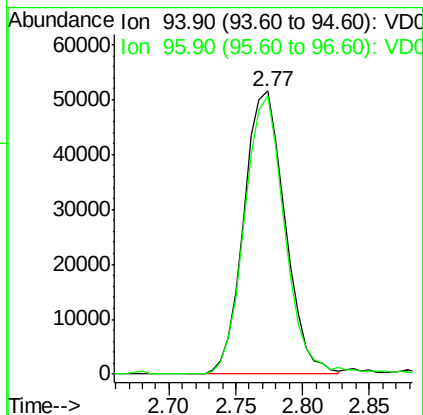
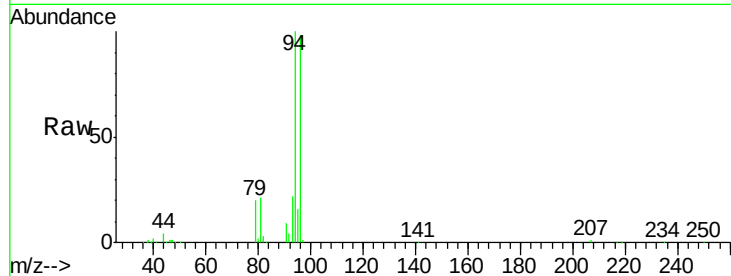
94 100

96 98.2 74.3 111.5

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#6

Chloroethane

Concen: 50.171 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066860.D

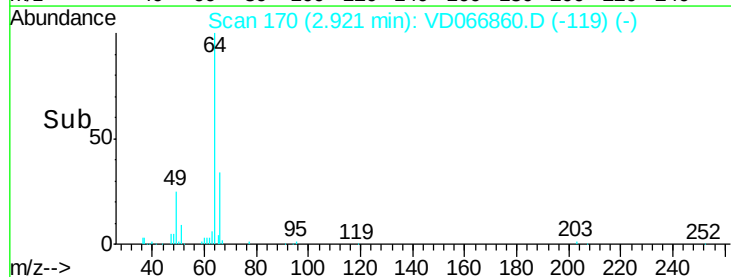
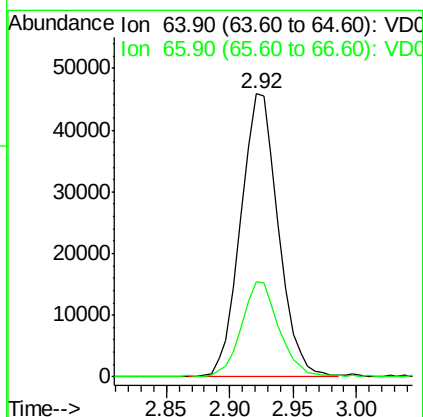
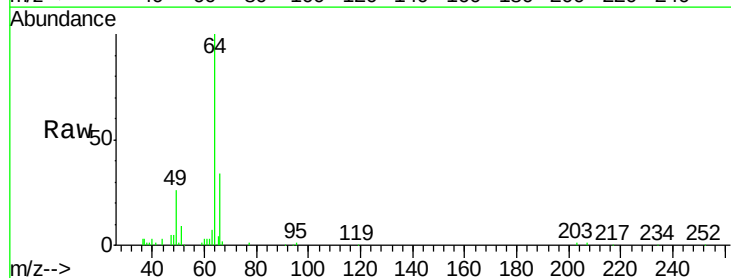
Acq: 24 Sep 2020 19:23

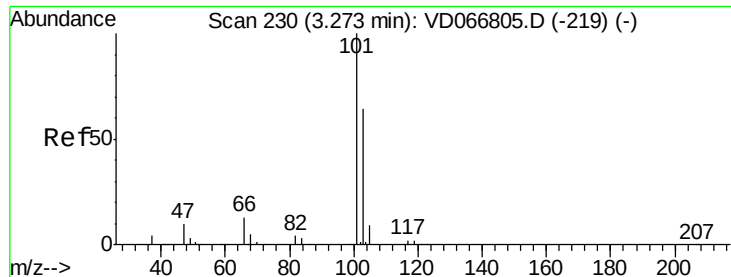
Tgt Ion: 64 Resp: 94966

Ion Ratio Lower Upper

64 100

66 33.4 23.3 34.9





#7

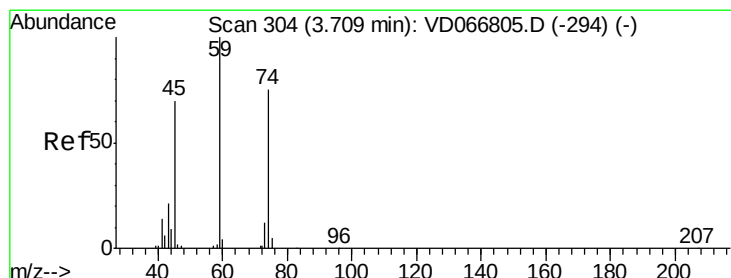
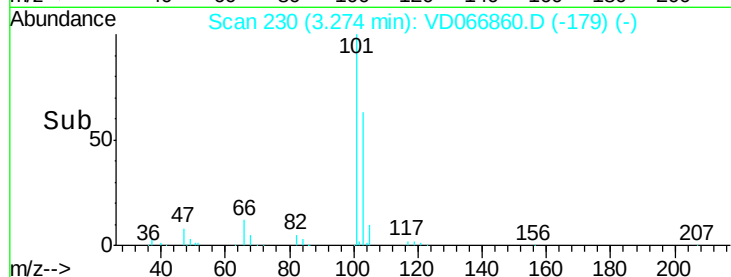
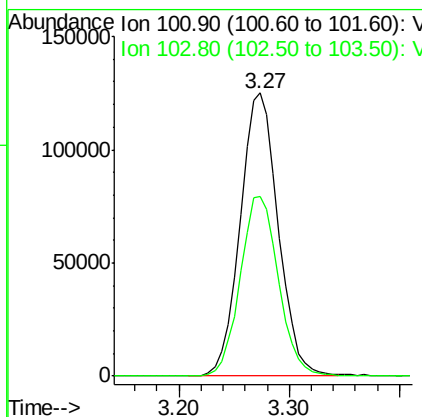
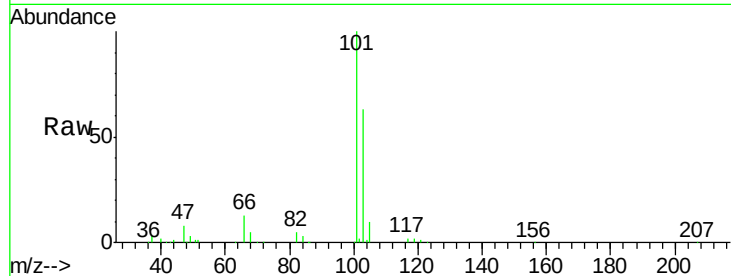
Trichlorofluoromethane
 Concen: 48.292 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

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 B-2(4-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		302304		
103	63.4	51.0	76.6		

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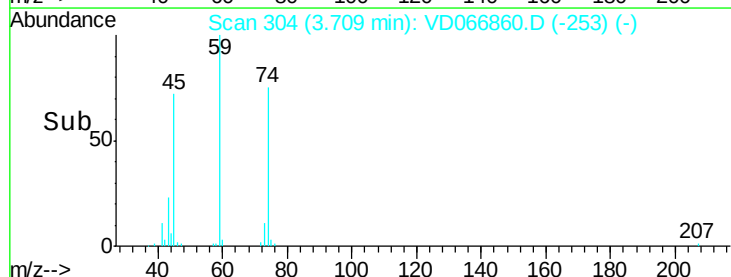
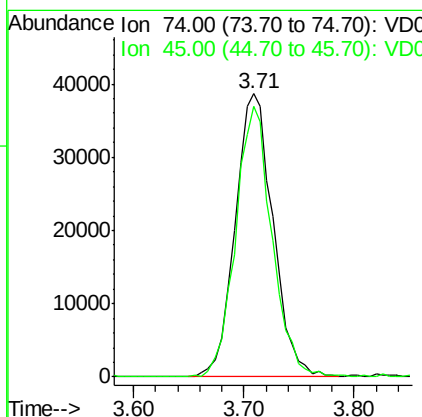
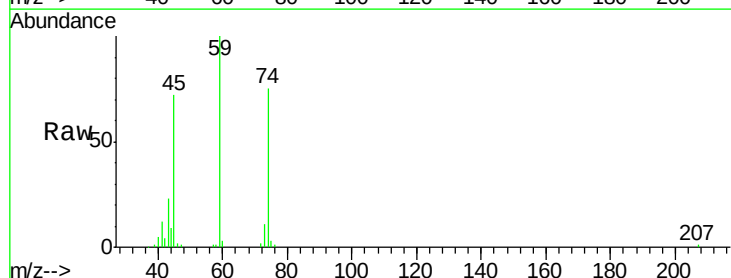
MMDadoda
 9/25/2020 4:00:16 PM

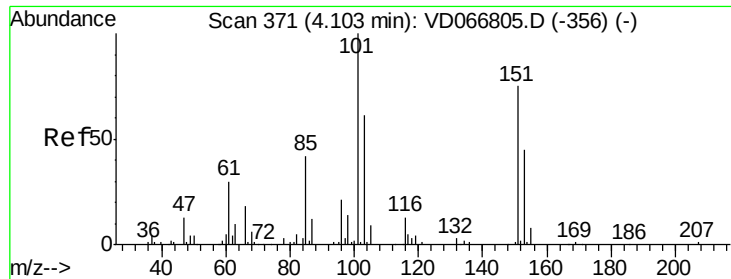


#8

Diethyl Ether
 Concen: 58.389 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		92793		
45	92.0	46.0	138.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.108 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

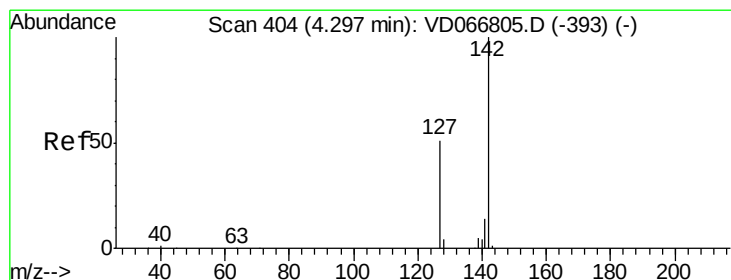
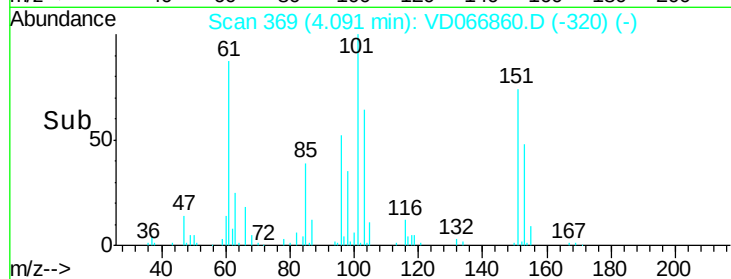
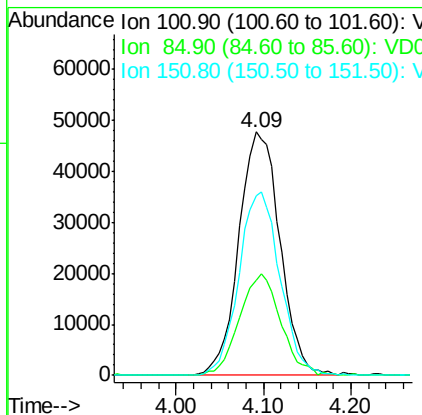
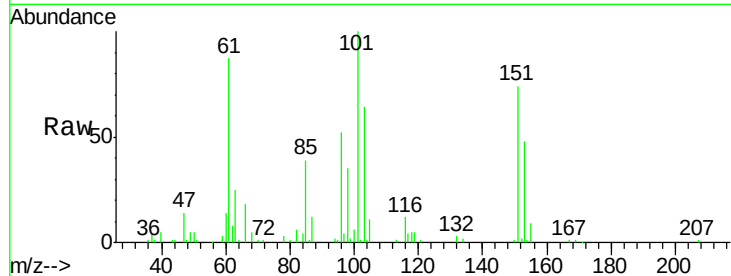
ClientSampleId :

B-2(4-5)MSD

Tot Ion:	101	Resp:	152849
Ion Ratio	Lower	Upper	
101	100		
85	41.9	35.4	53.2
151	75.2	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 52.317 ug/l

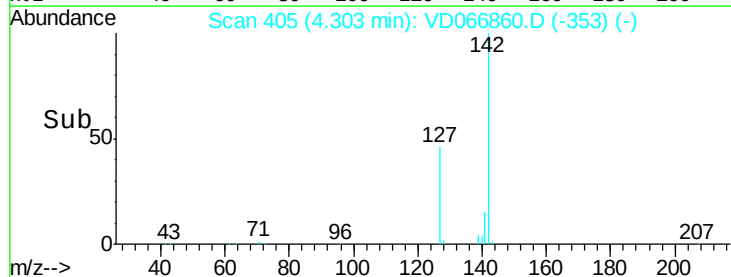
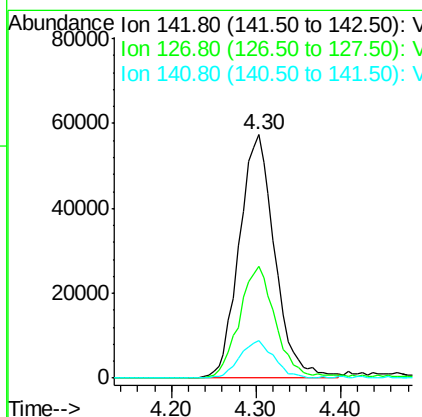
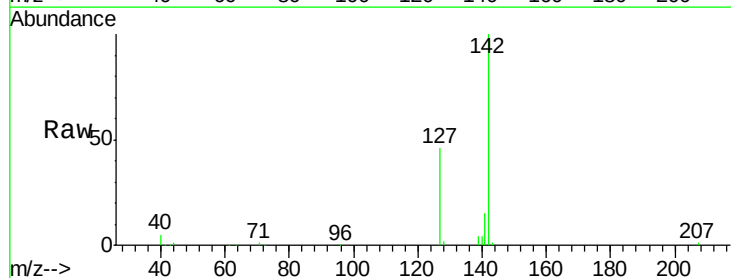
RT: 4.30 min Scan# 405

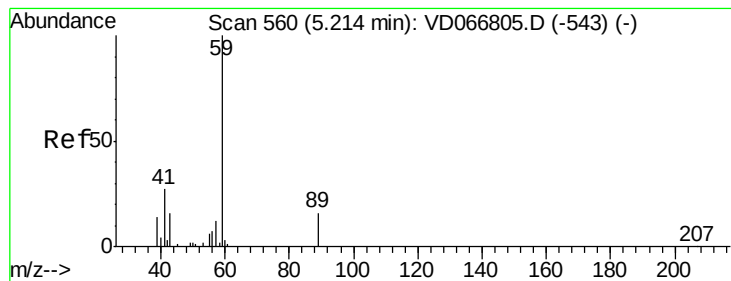
Delta R.T. 0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Tgt Ion:	142	Resp:	167580
Ion Ratio	Lower	Upper	
142	100		
127	46.6	39.4	59.0
141	14.8	12.1	18.1





#11

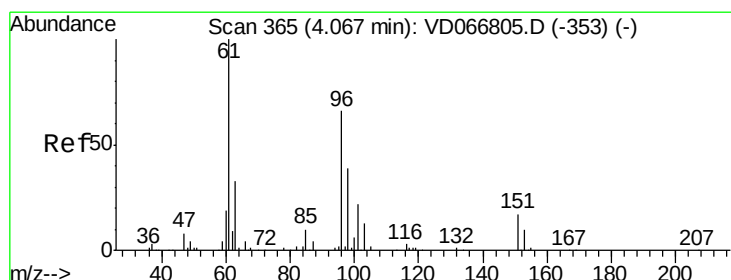
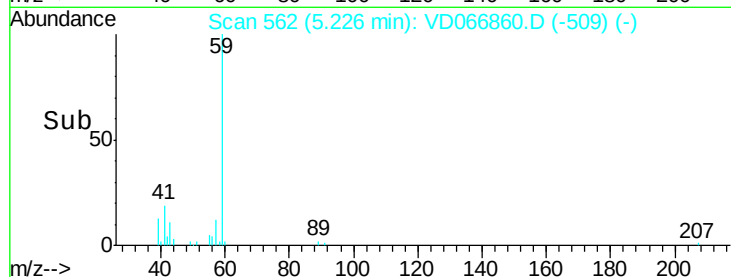
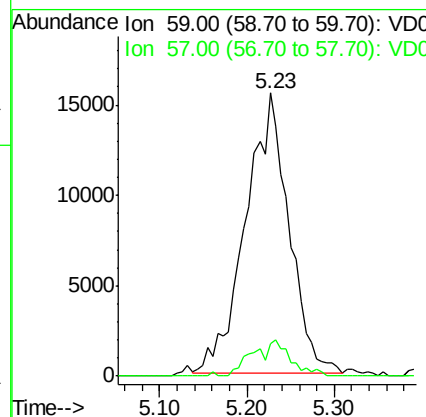
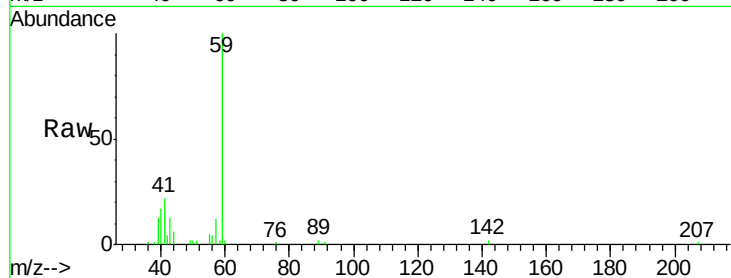
Tert butyl alcohol
 Concen: 266.943 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.3	12.5

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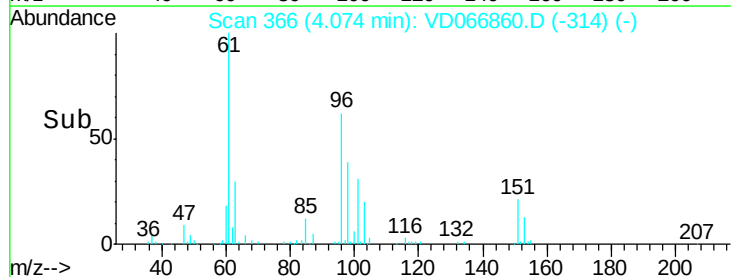
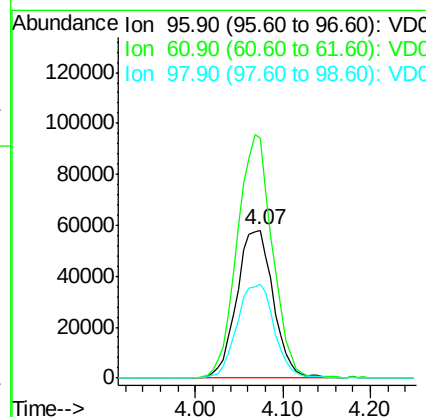
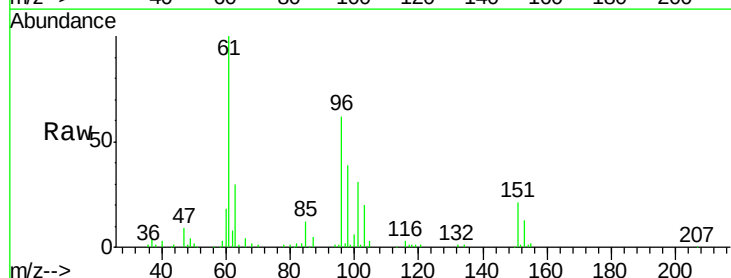
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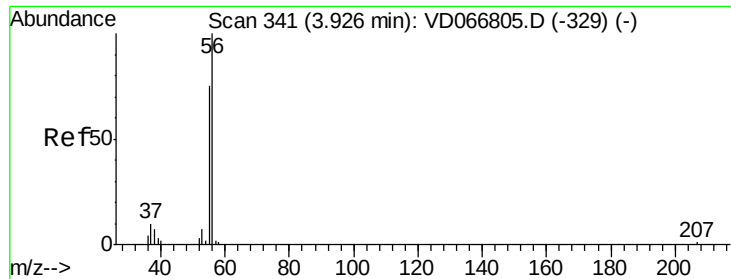


#12

1,1-Dichloroethene
 Concen: 50.040 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	120.8	181.2
98	64.0	47.7	71.5





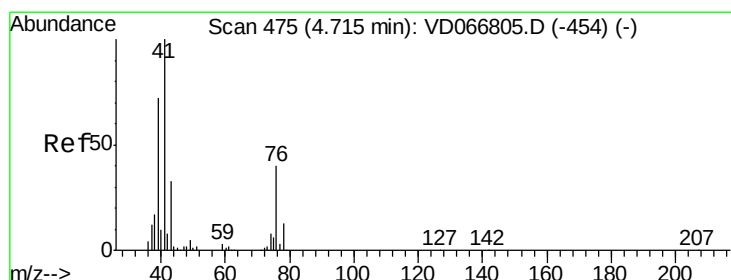
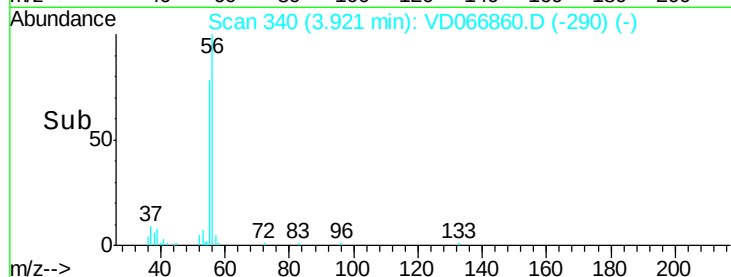
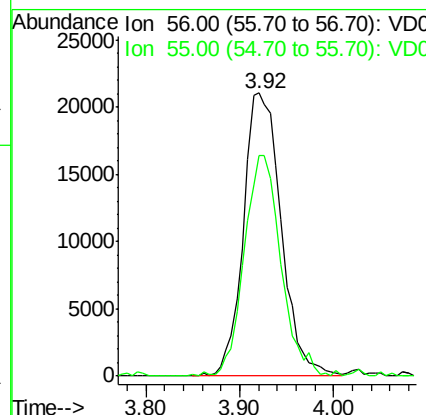
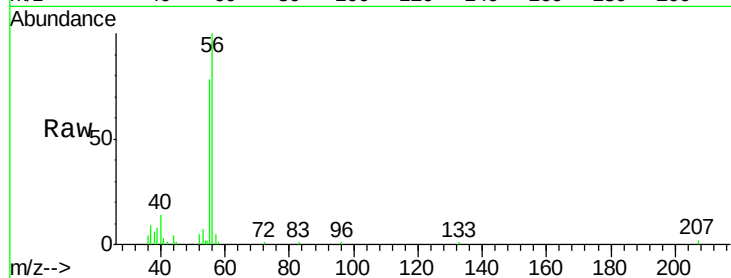
#13
Acrolein
Concen: 242.034 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	75.7	60.3	90.5

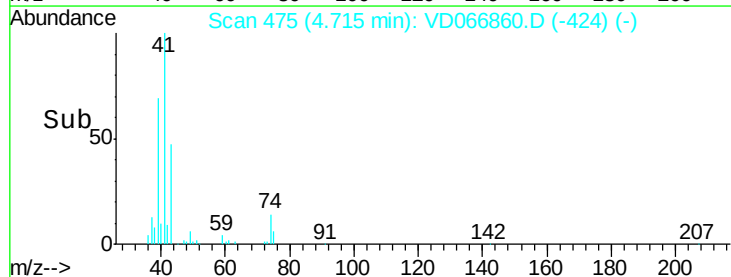
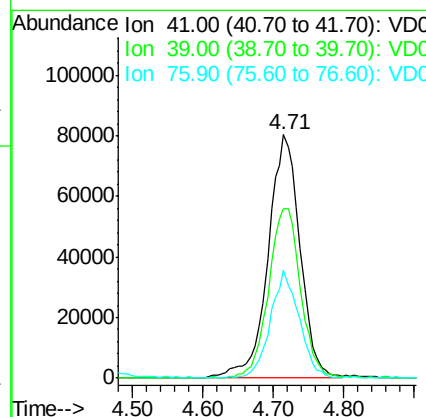
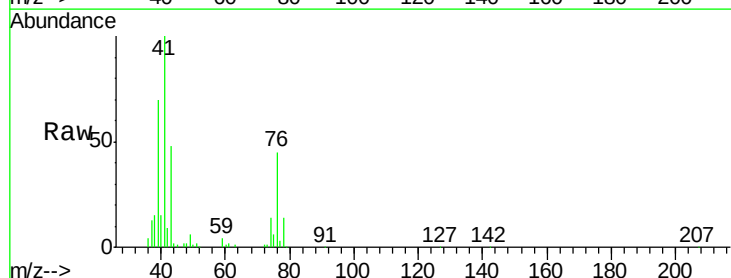
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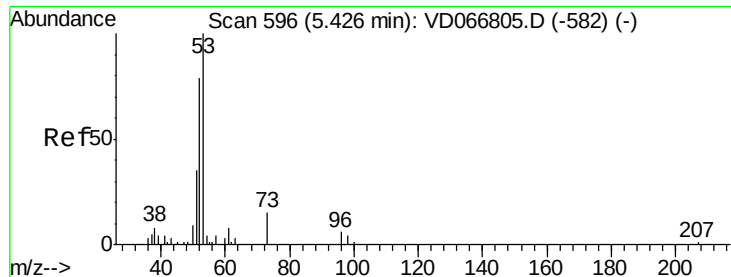
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#14
Allyl chloride
Concen: 52.475 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.3	57.8	86.8
76	40.2	30.9	46.3





#15

Acrylonitrile

Concen: 274.936 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

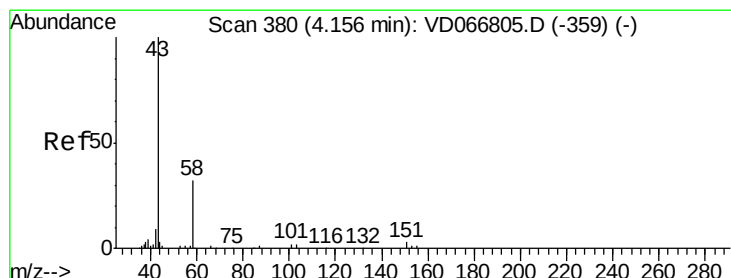
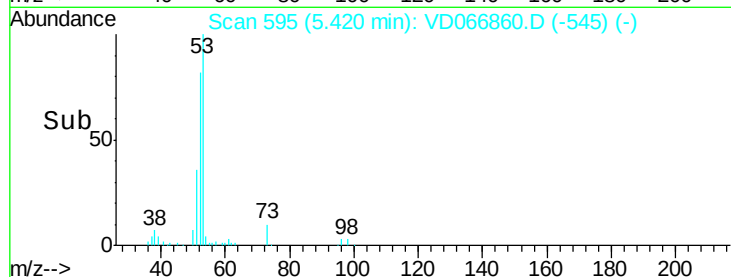
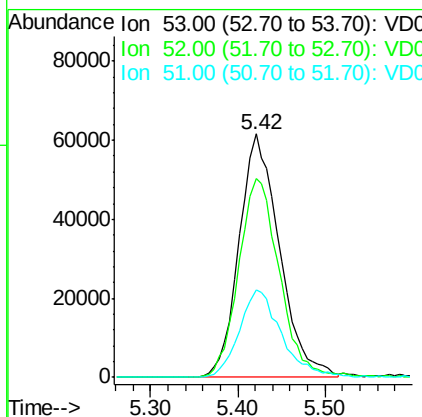
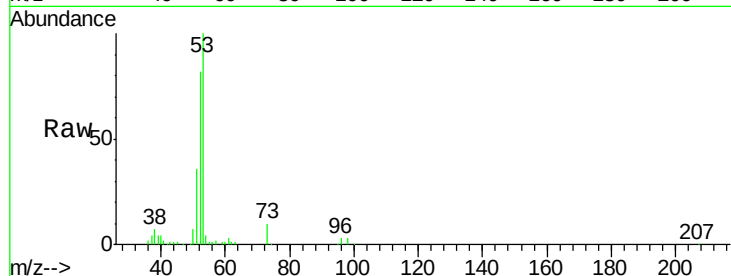
ClientSampleId :

B-2(4-5)MSD

Tot Ion:	53	Resp:	193632
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.2	97.8
51	37.6	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 272.519 ug/l

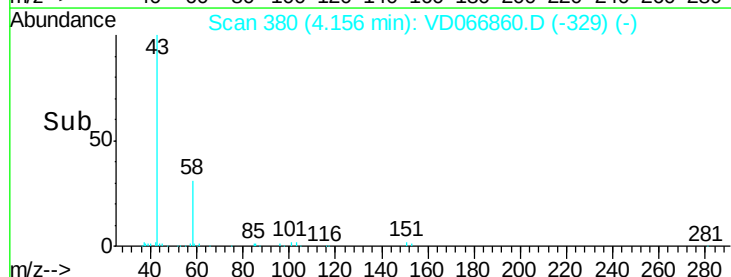
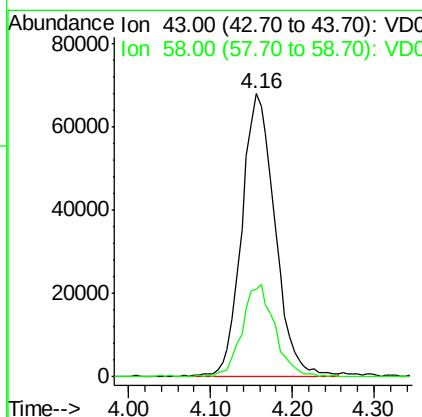
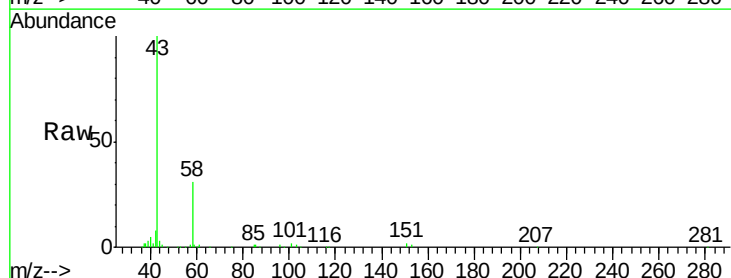
RT: 4.16 min Scan# 380

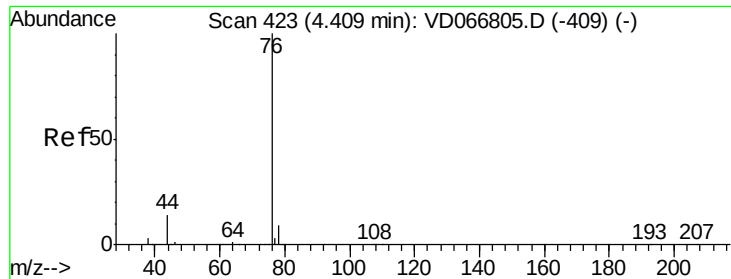
Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Tgt Ion:	43	Resp:	190005
Ion Ratio	Lower	Upper	
43	100		
58	30.5	25.6	38.4





#17

Carbon Disulfide

Concen: 46.204 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

Tot Ion: 76 Resp: 464494

Ion Ratio Lower Upper

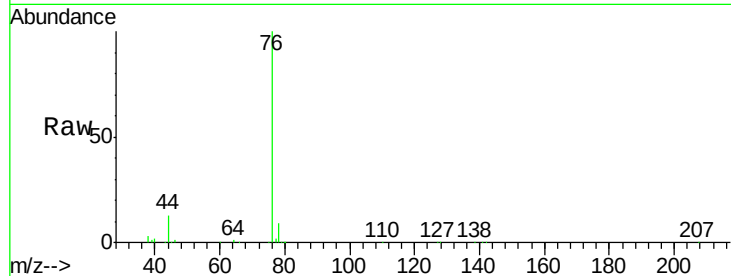
76 100

78 8.9 7.6 11.4

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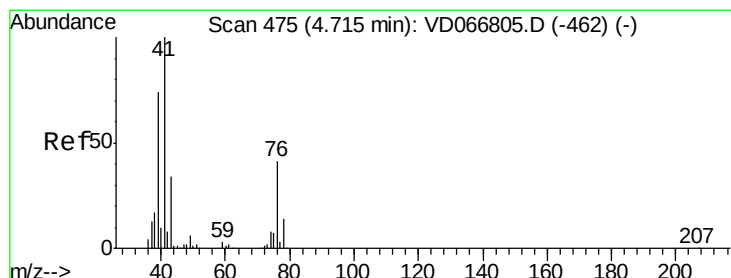
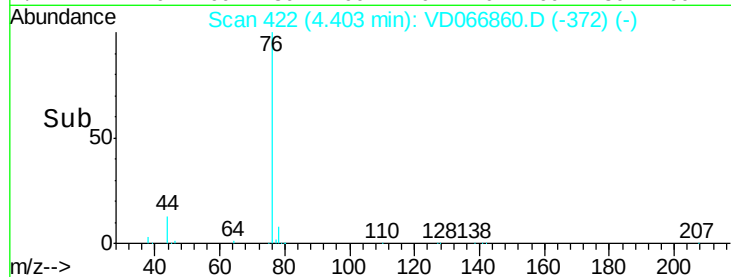
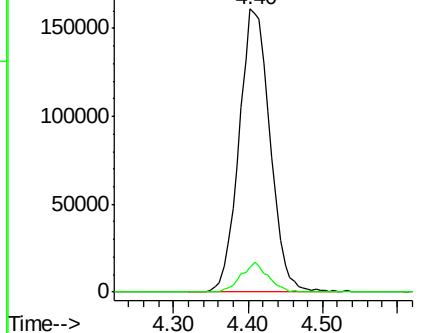
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 82.376 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066860.D

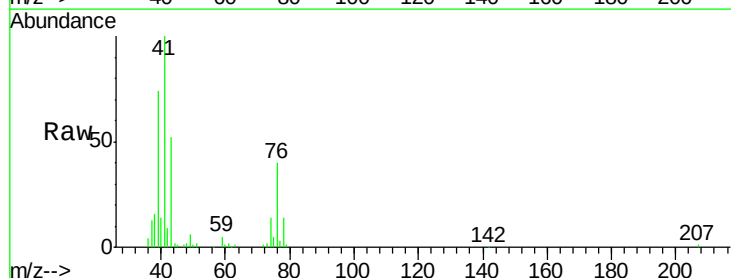
Acq: 24 Sep 2020 19:23

Tgt Ion: 43 Resp: 124494

Ion Ratio Lower Upper

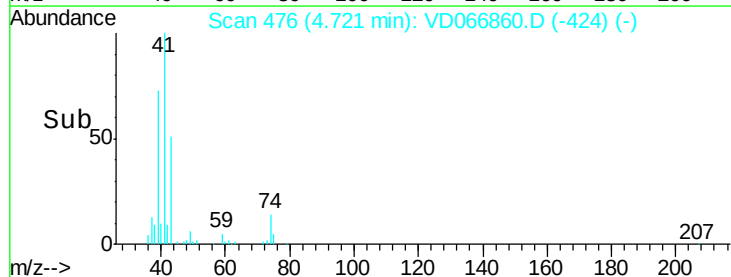
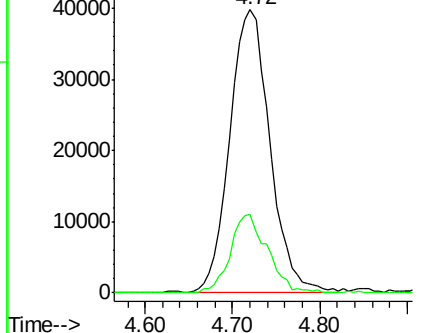
43 100

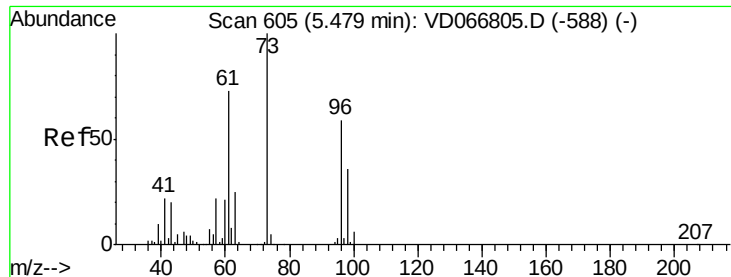
74 25.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





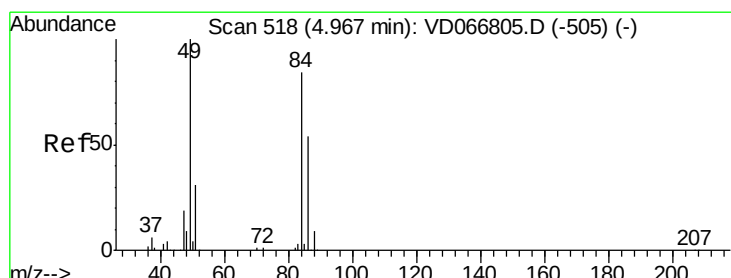
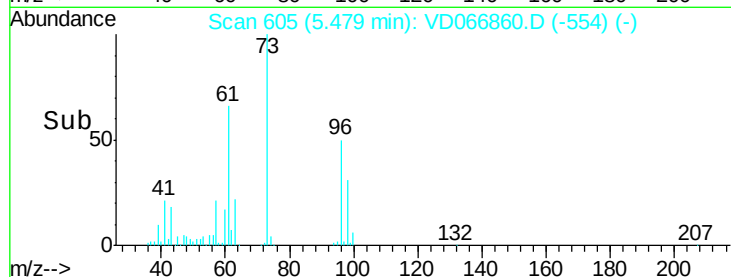
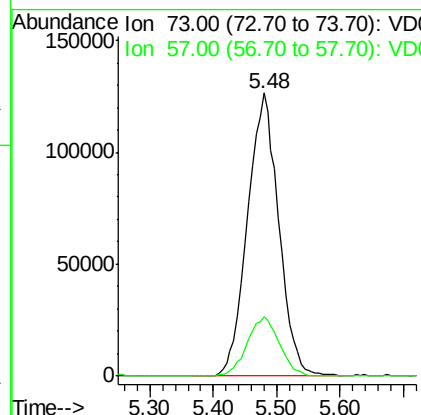
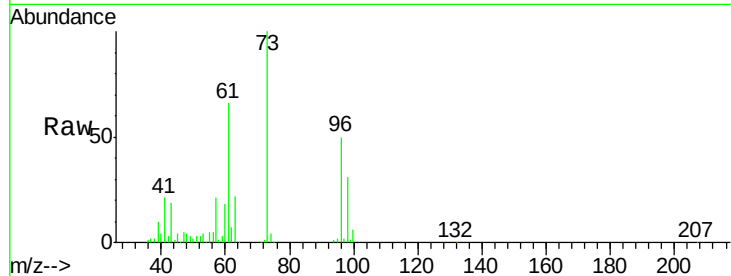
#19
Methyl tert-butyl Ether
Concen: 60.814 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

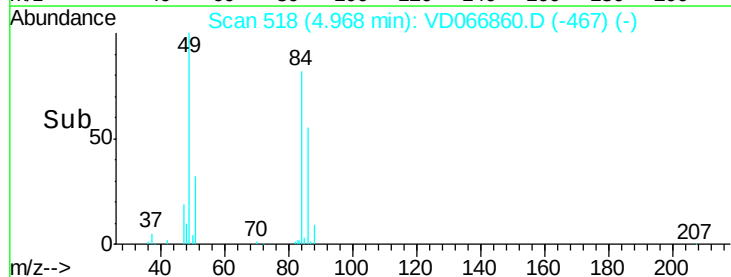
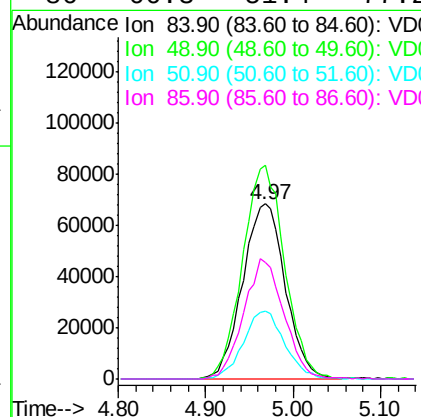
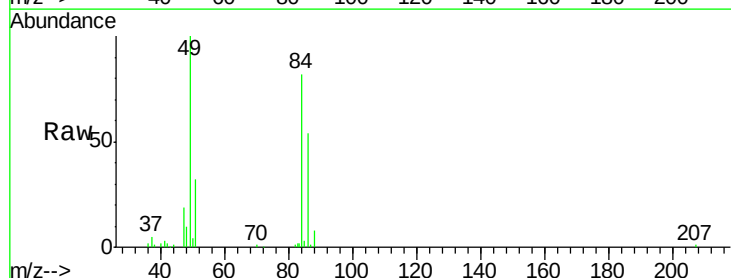
Manual Integrations
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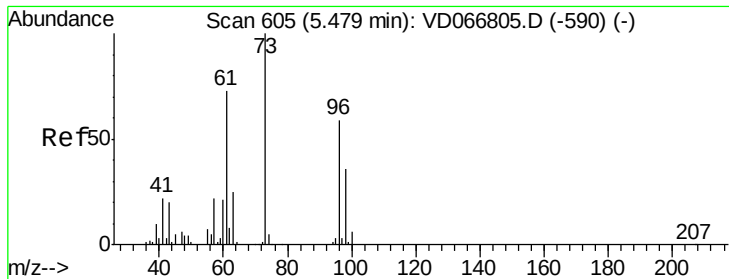
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#20
Methylene Chloride
Concen: 61.658 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	95.4	143.2
51	38.8	29.7	44.5
86	66.3	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 52.371 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

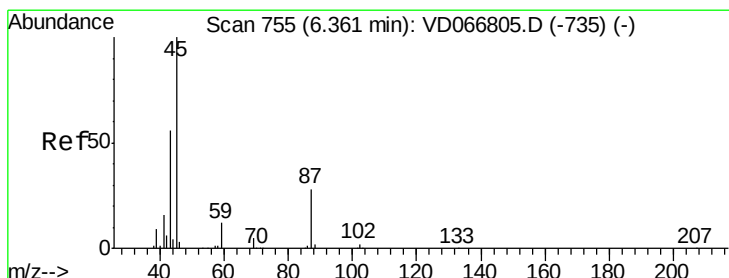
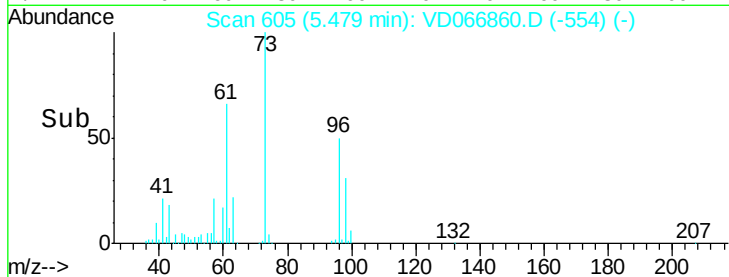
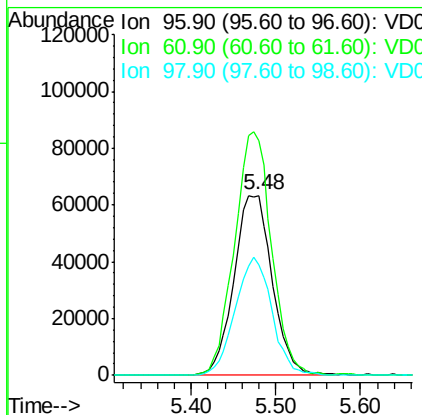
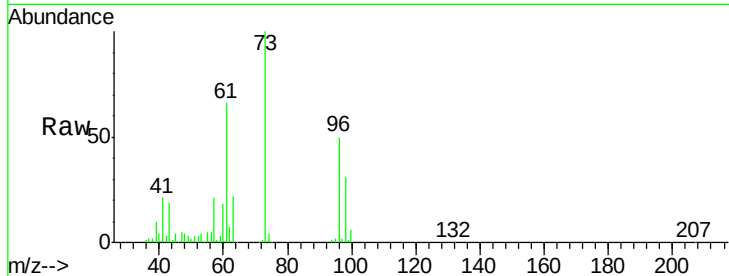
ClientSampleId :

B-2(4-5)MSD

Tot Ion:	96	Resp:	199399
Ion	Ratio	Lower	Upper
96	100		
61	130.6	98.9	148.3
98	61.1	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 60.545 ug/l

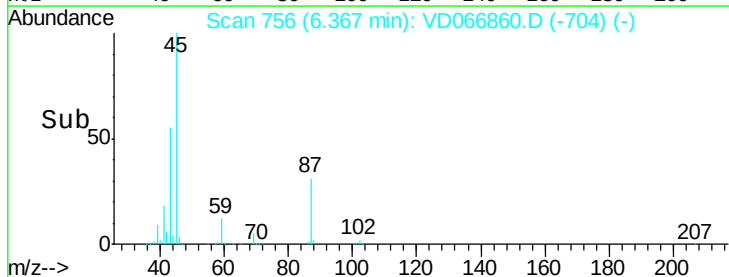
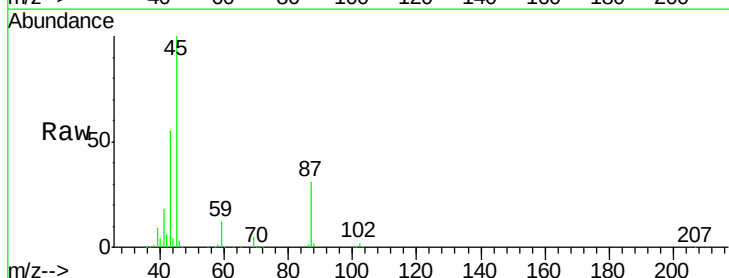
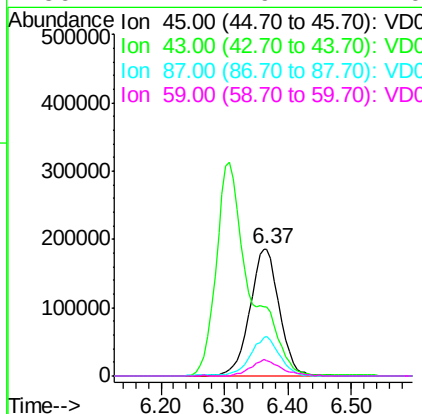
RT: 6.37 min Scan# 756

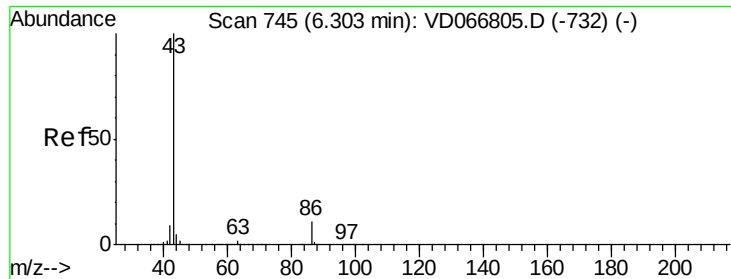
Delta R.T. 0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Tgt Ion:	45	Resp:	601086
Ion	Ratio	Lower	Upper
45	100		
43	54.1	44.5	66.7
87	31.1	22.9	34.3
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 218.013 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

Tot Ion: 43 Resp: 1173253

Ion Ratio Lower Upper

43 100

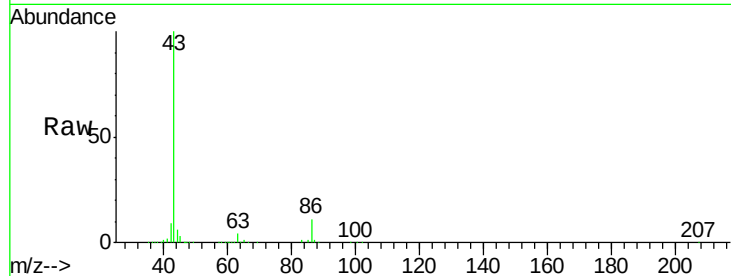
86 11.3 8.9 13.3

Manual Integrations

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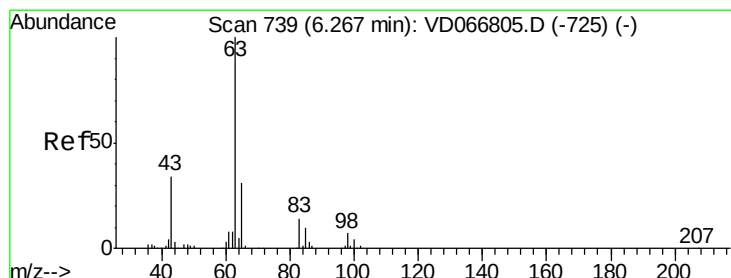
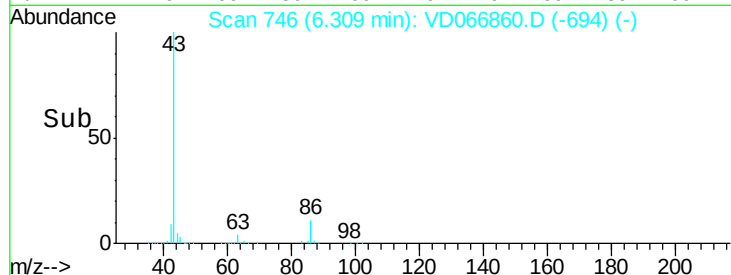
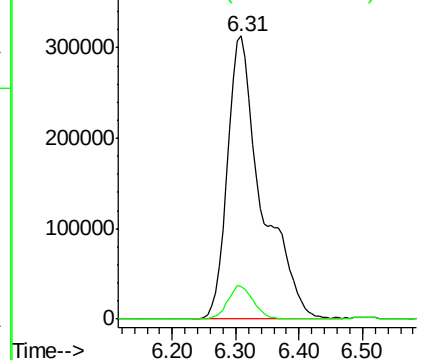
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.885 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

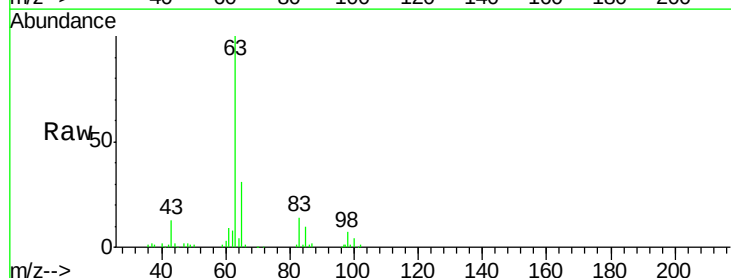
Tgt Ion: 63 Resp: 357881

Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

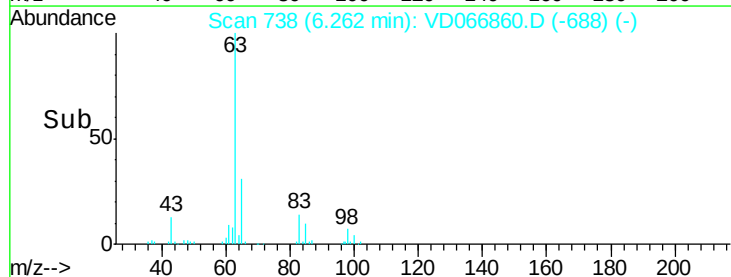
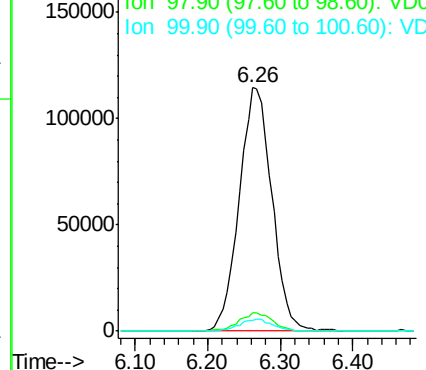
100 4.2 1.8 5.5

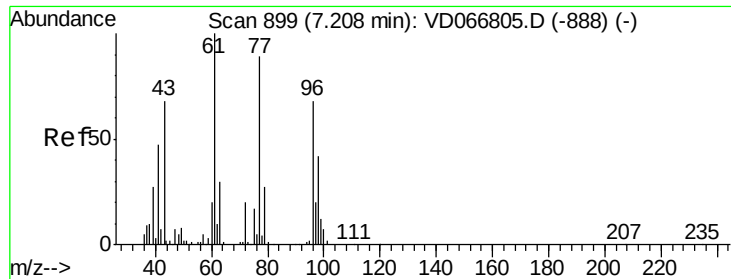


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 269.246 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

Tot Ion: 43 Resp: 225593

Ion Ratio Lower Upper

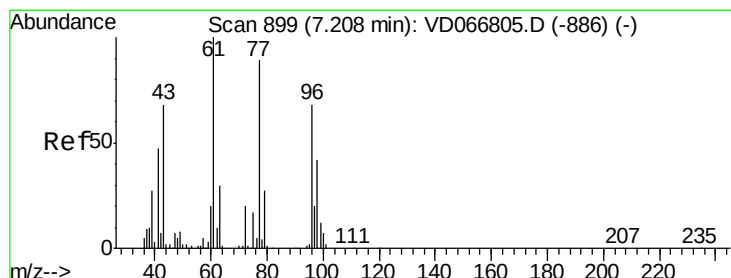
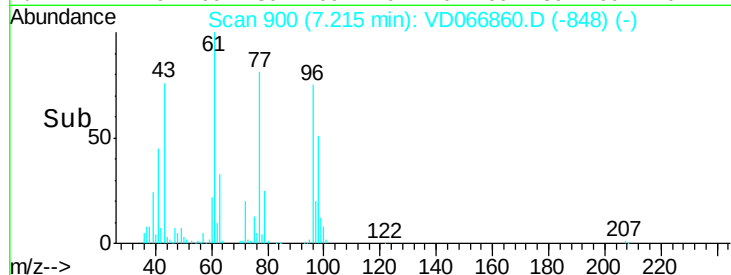
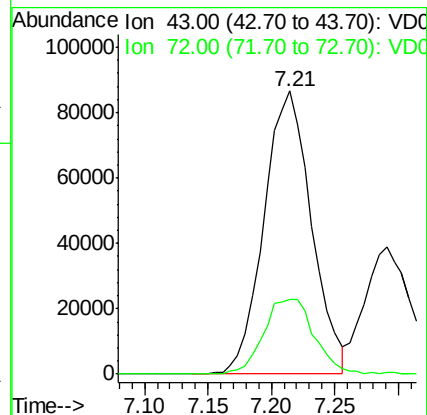
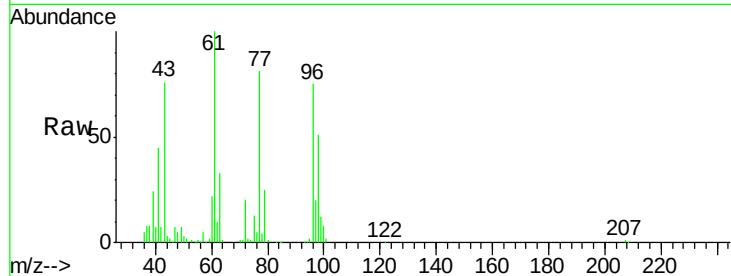
43 100

72 26.2 22.9 34.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 47.015 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066860.D

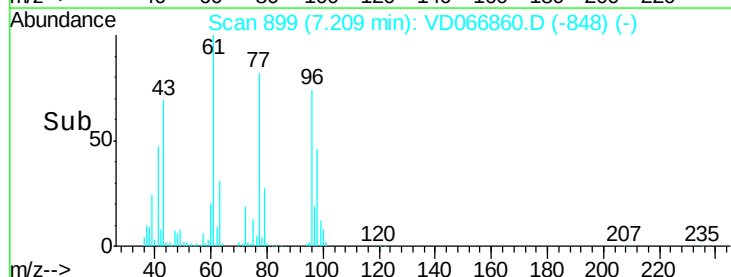
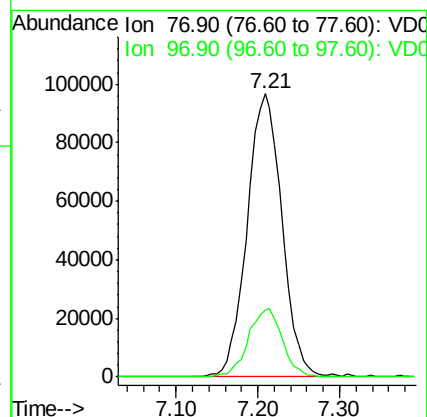
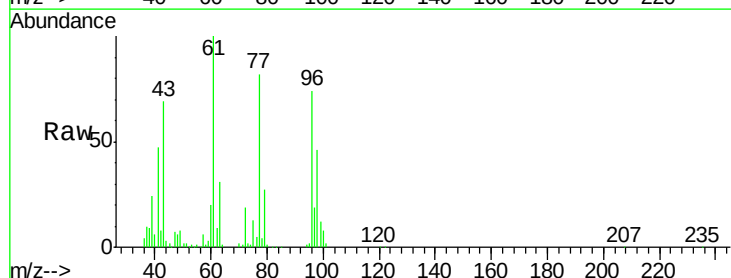
Acq: 24 Sep 2020 19:23

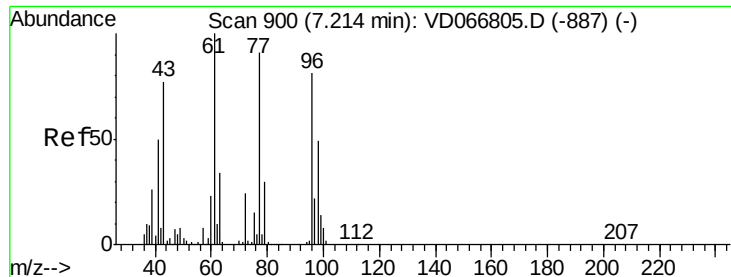
Tgt Ion: 77 Resp: 286199

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

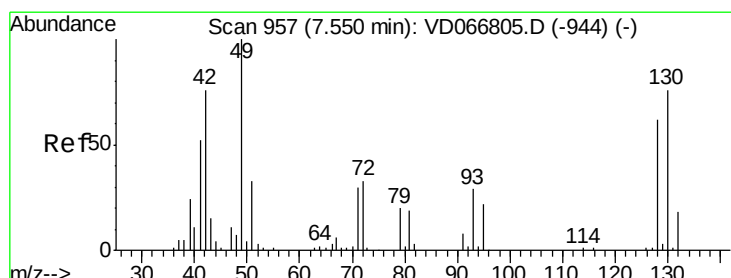
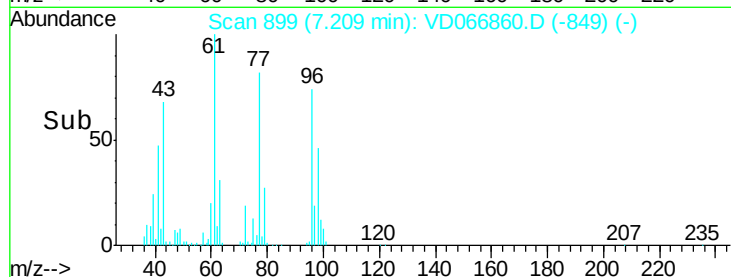
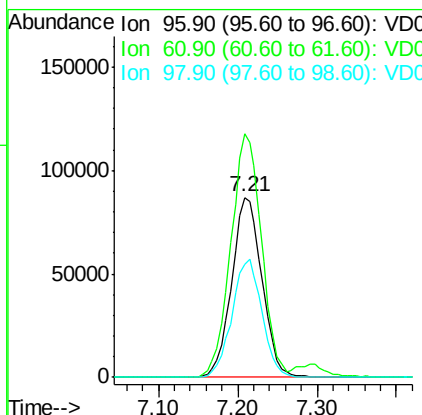
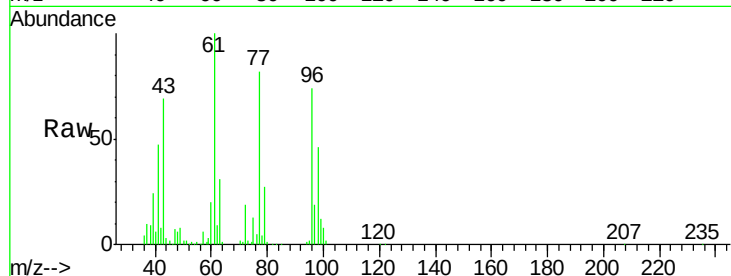
cis-1,2-Dichloroethene
Concen: 55.496 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	229580		
61	137.4	0.0	283.8	
98	64.9	0.0	128.4	

Manual Integrations
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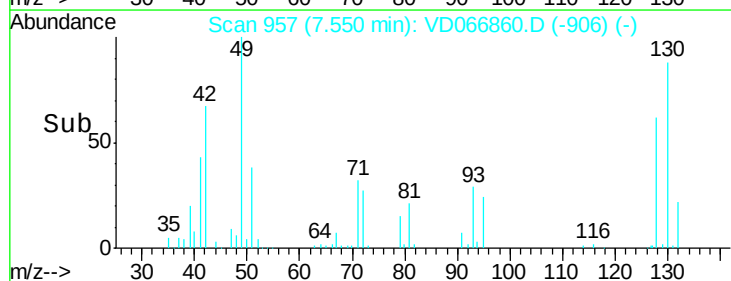
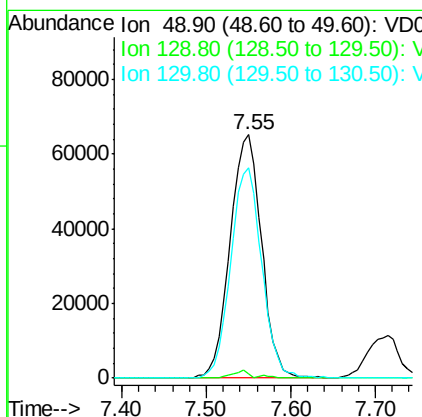
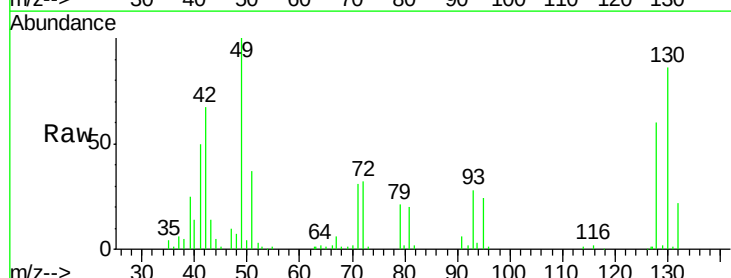
MMDadoda
9/25/2020 4:00:16 PM

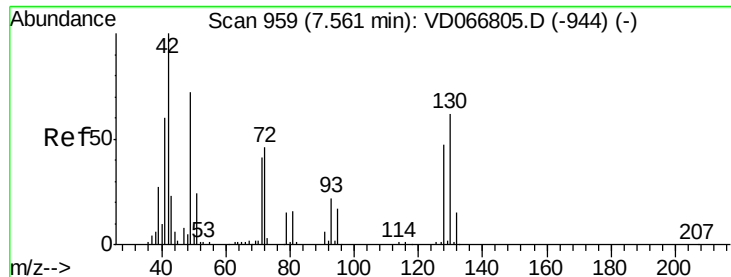


#28

Bromochloromethane
Concen: 60.809 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	166847		
129	1.6	0.0	2.0	
130	85.7	65.9	98.9	





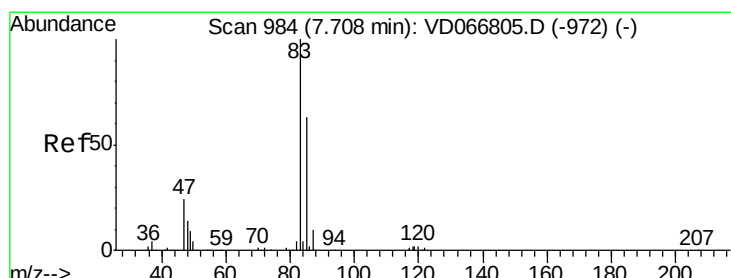
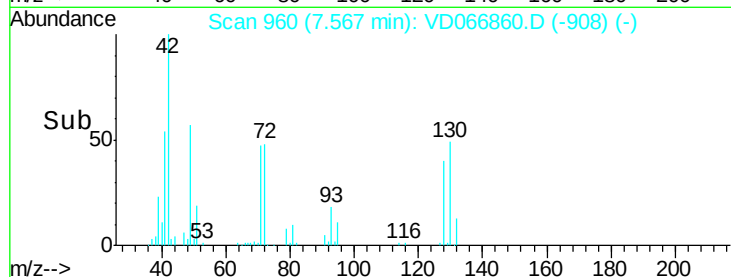
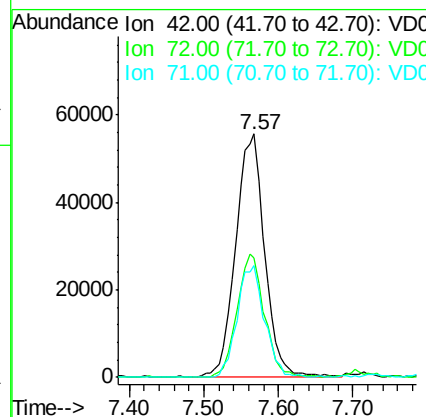
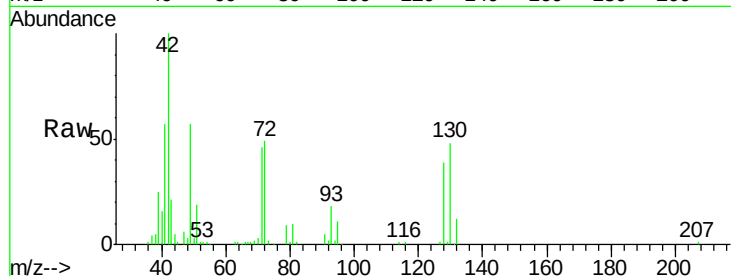
#29
Tetrahydrofuran
Concen: 281.240 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	36.2	54.4
71	43.4	32.4	48.6

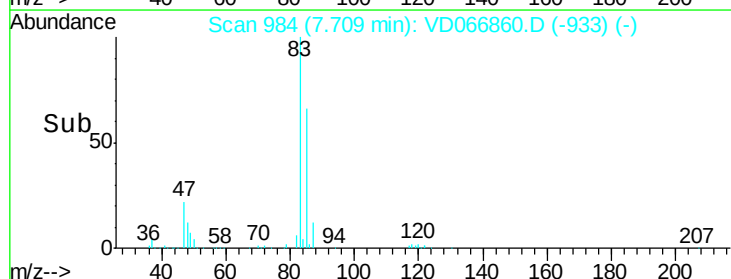
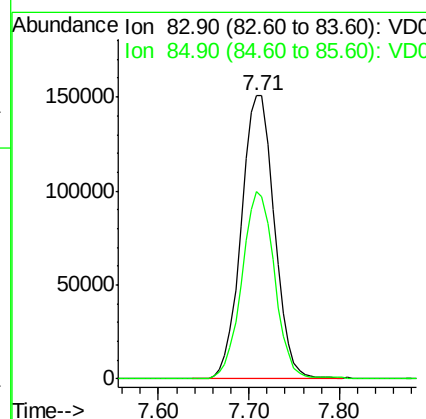
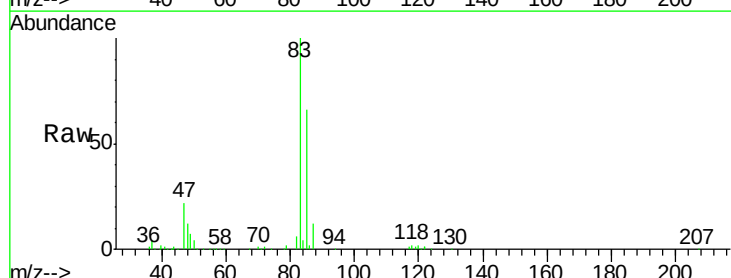
Manual Integrations
APPROVED

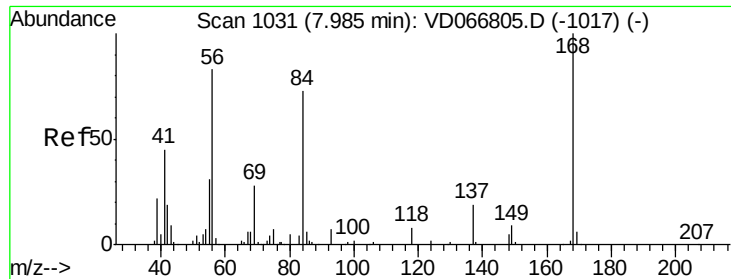
MMDadoda
9/25/2020 4:00:16 PM



#30
Chloroform
Concen: 53.495 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.6	75.8





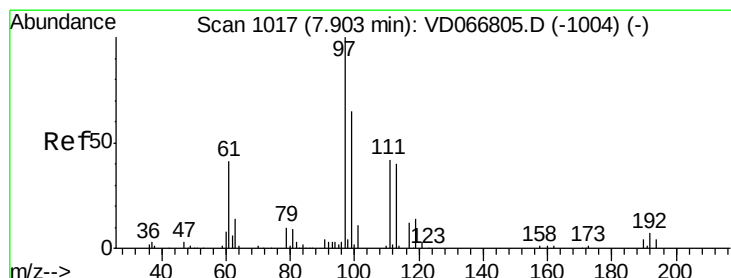
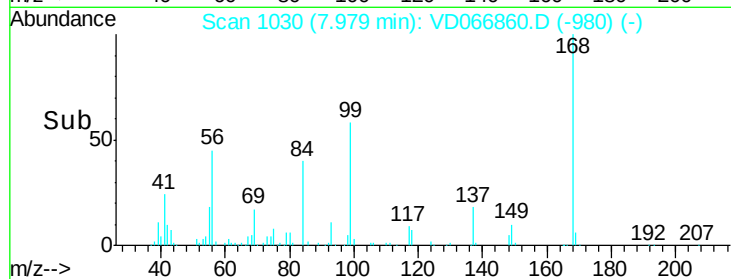
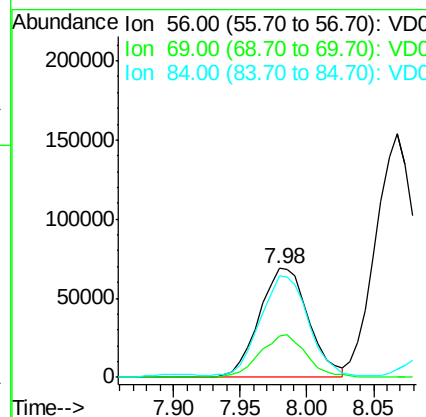
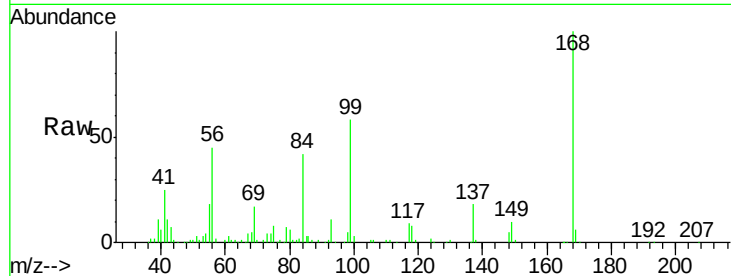
#31
Cyclohexane
Concen: 29.592 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	27.0	40.4
84	90.7	70.2	105.4

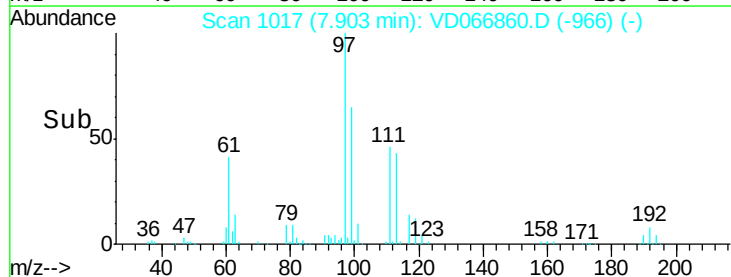
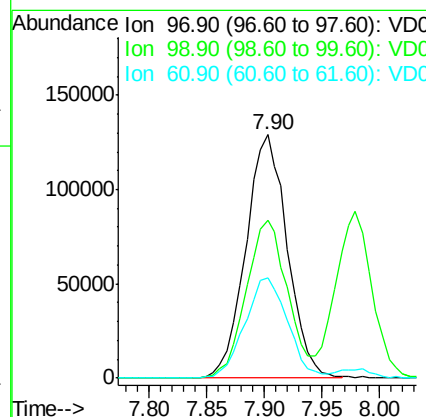
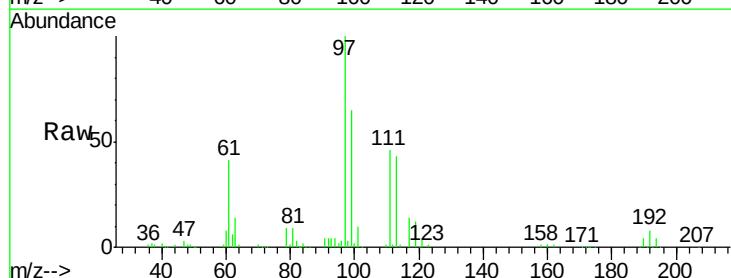
Manual Integrations
APPROVED

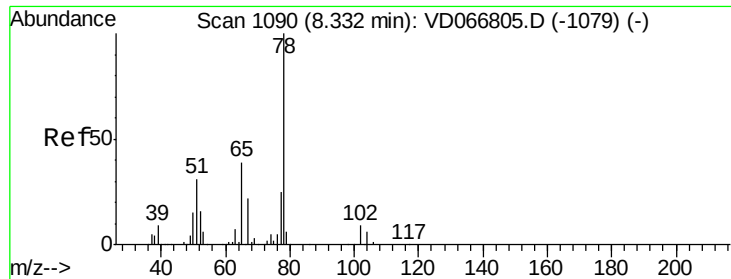
MMDadoda
9/25/2020 4:00:16 PM



#32
1,1,1-Trichloroethane
Concen: 49.737 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.5	77.3
61	42.5	34.2	51.4





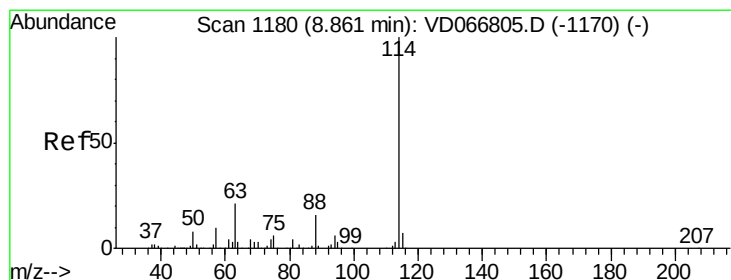
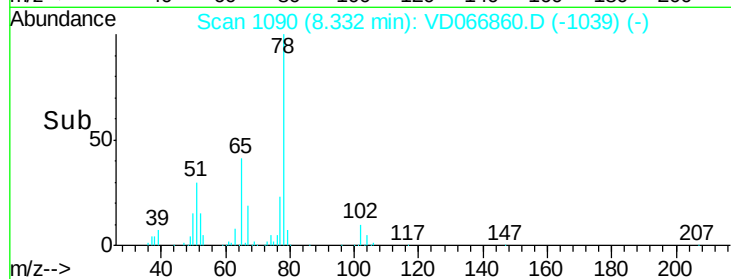
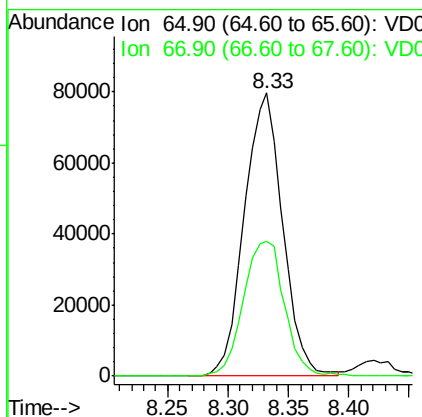
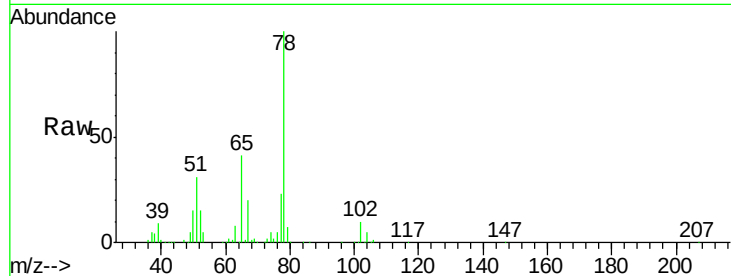
#33
 1,2-Dichloroethane-d4
 Concen: 53.848 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176980		
67	50.9	0.0	0.0	107.2

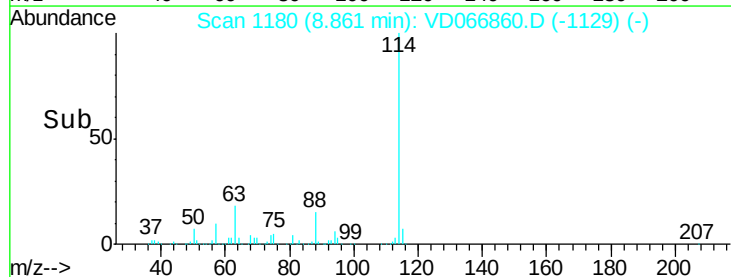
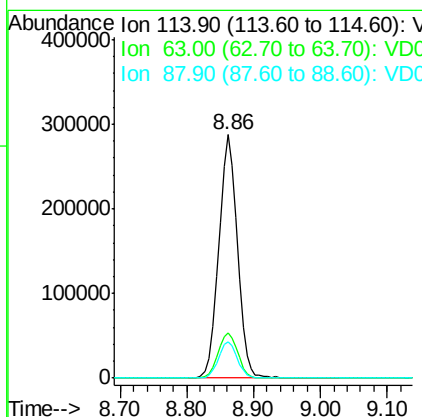
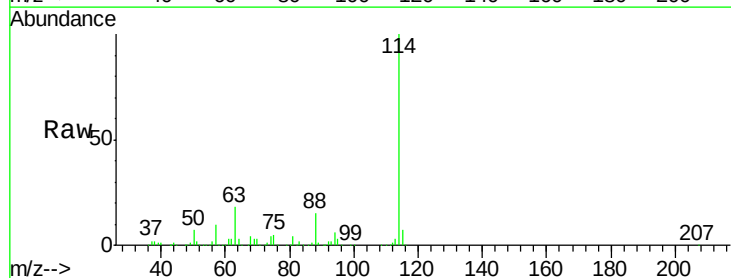
Manual Integrations
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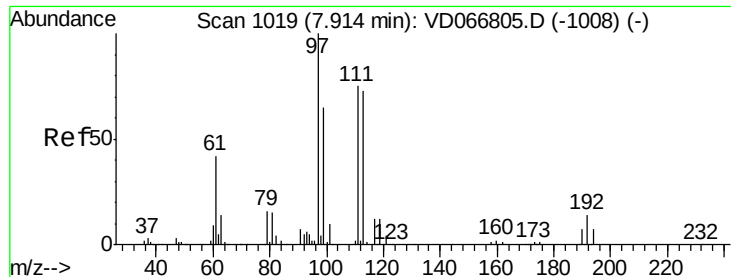
MMDadoda
 9/25/2020 4:00:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	570053		
63	18.5	0.0	0.0	42.6
88	15.1	0.0	0.0	32.6





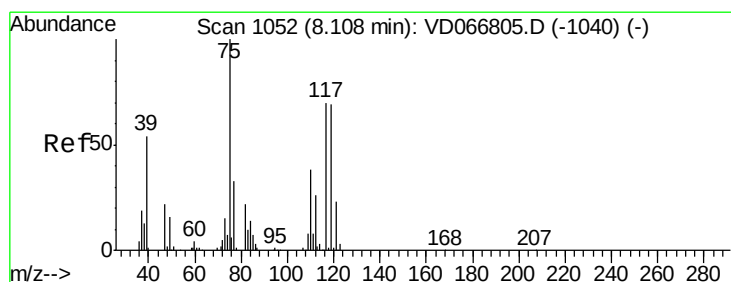
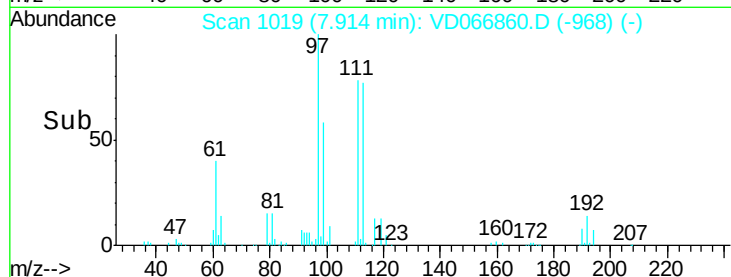
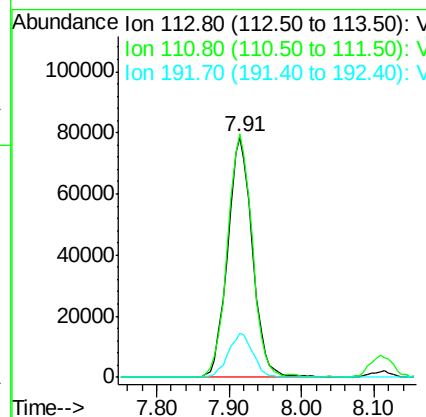
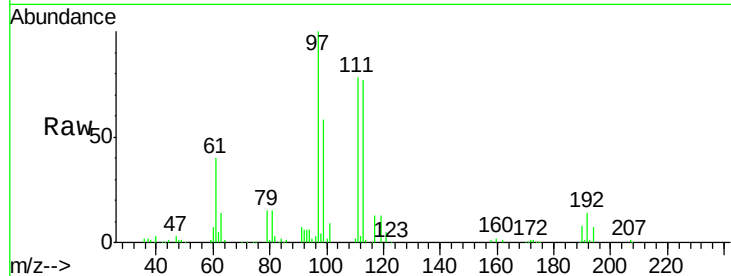
#35
 Dibromofluoromethane
 Concen: 51.342 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186201		
111	101.8	81.8	122.8	
192	18.4	14.4	21.6	

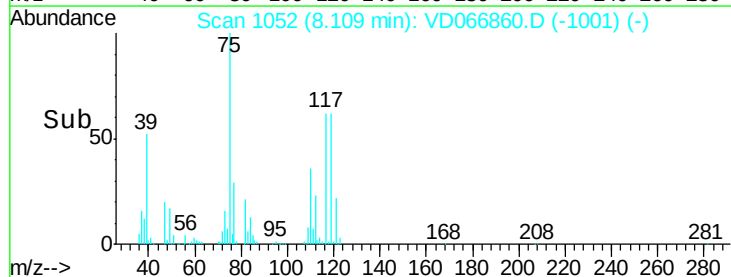
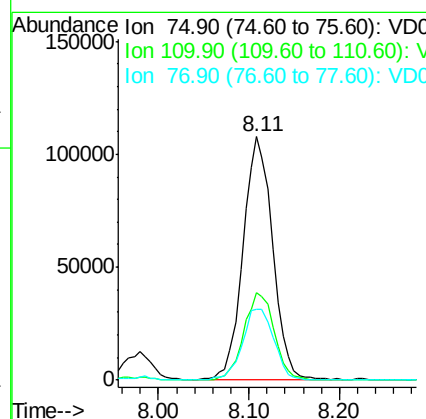
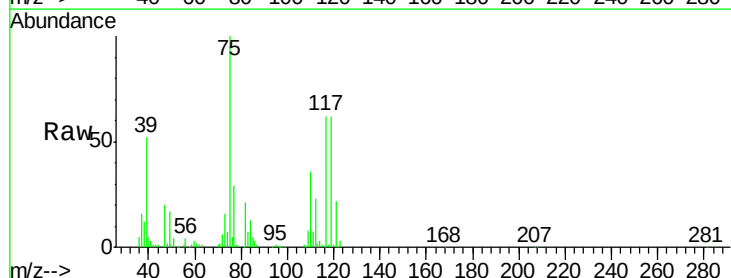
Manual Integrations
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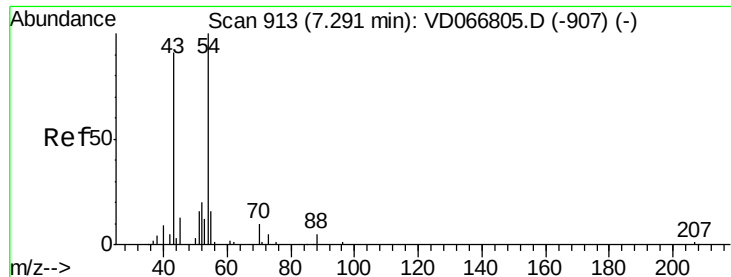
MMDadoda
 9/25/2020 4:00:16 PM



#36
 1,1-Dichloropropene
 Concen: 43.183 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	244217		
110	37.0	17.9	53.8	
77	31.4	25.0	37.6	





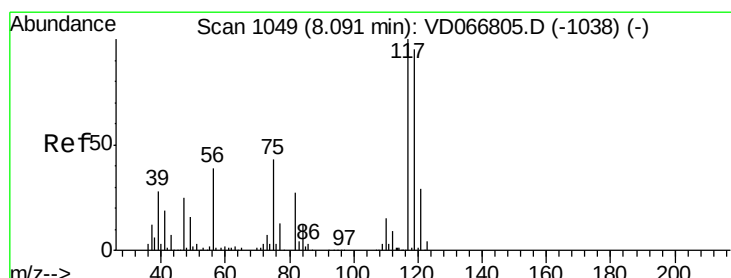
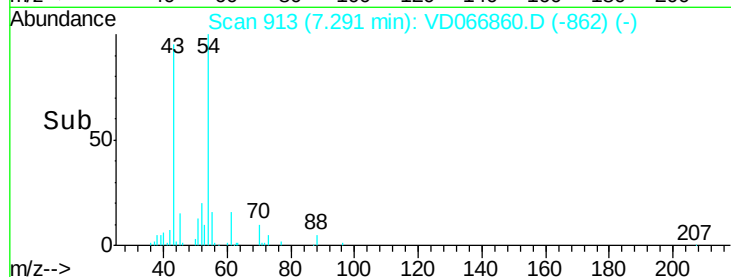
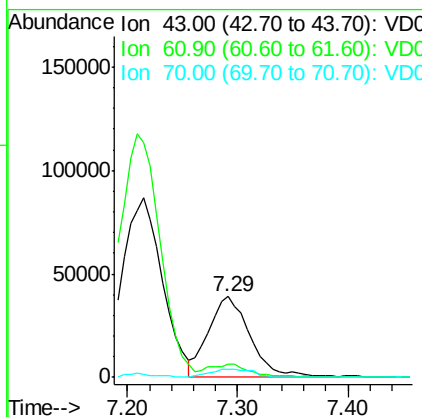
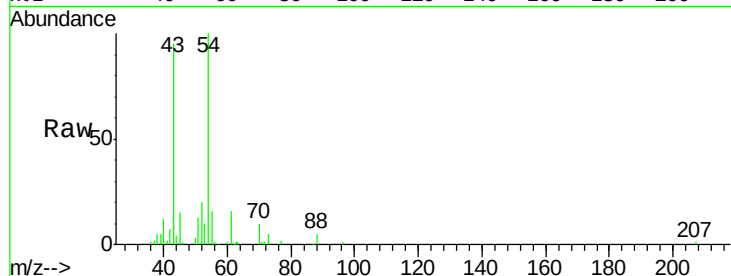
#37
Ethyl Acetate
Concen: 49.205 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	9.8	14.8#
70	10.9	8.5	12.7

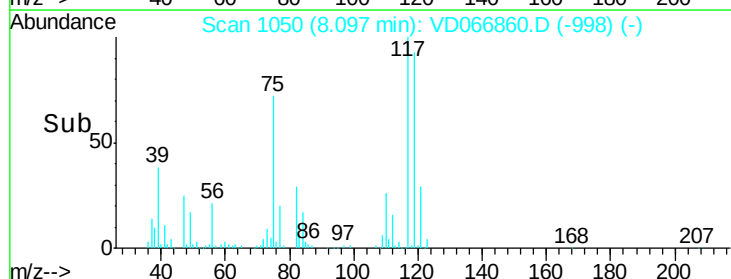
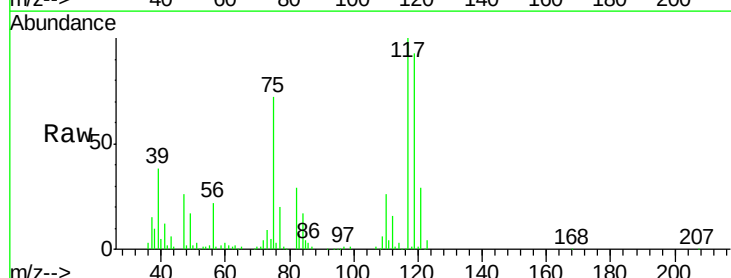
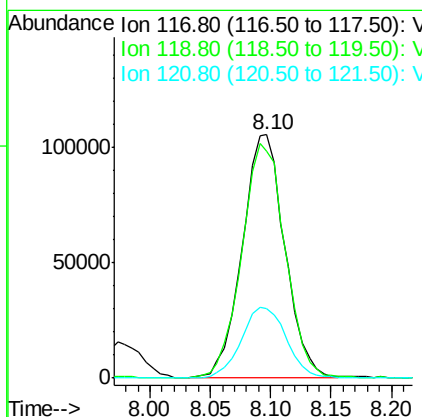
Manual Integrations
APPROVED

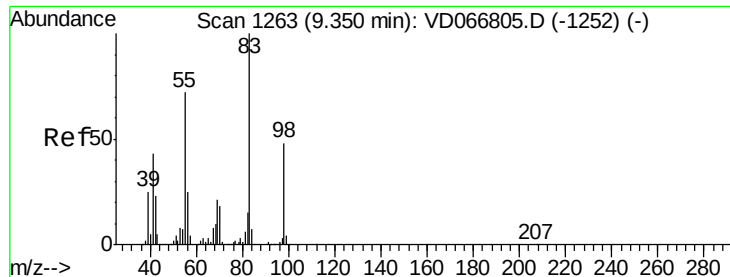
MMDadoda
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#38
Carbon Tetrachloride
Concen: 41.703 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.8	113.8
121	28.7	23.4	35.0





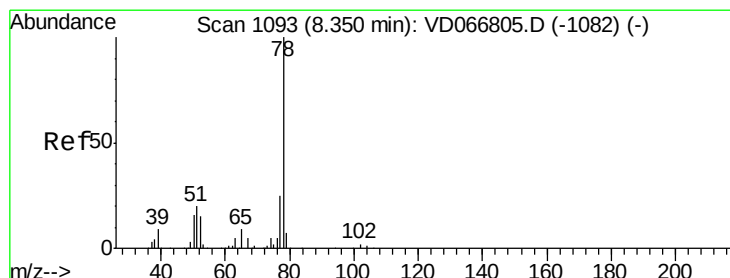
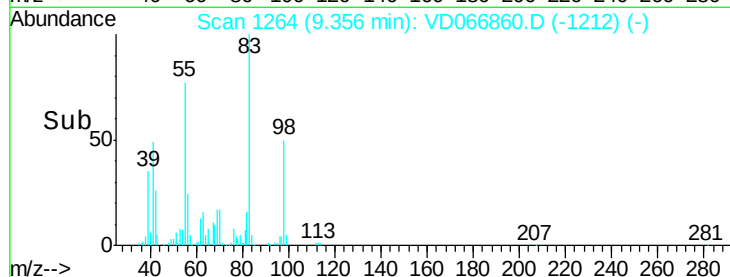
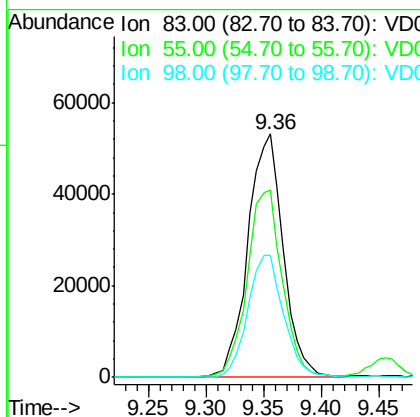
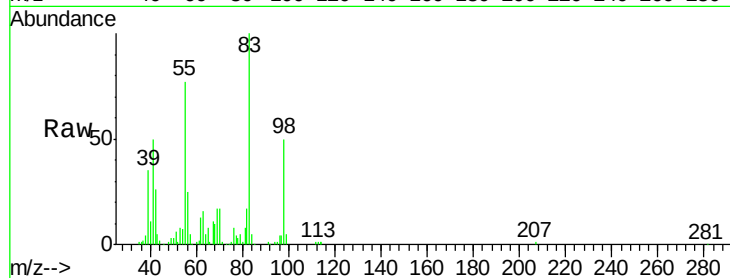
#39
Methvlcvclohexane
Concen: 17.518 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	57.7	86.5
98	50.0	38.4	57.6

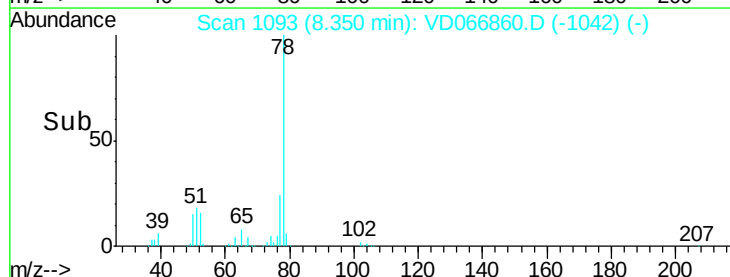
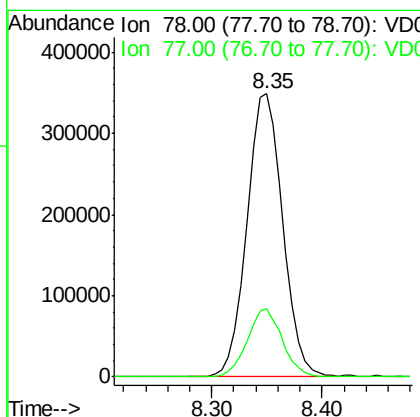
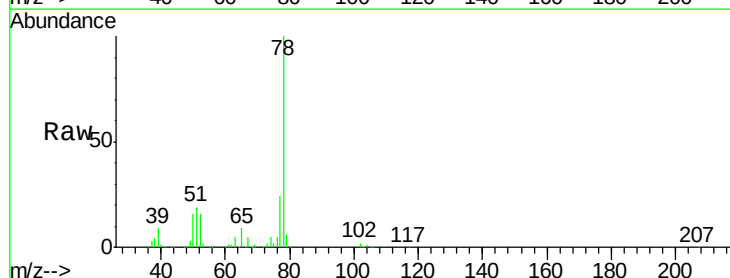
Manual Integrations
APPROVED

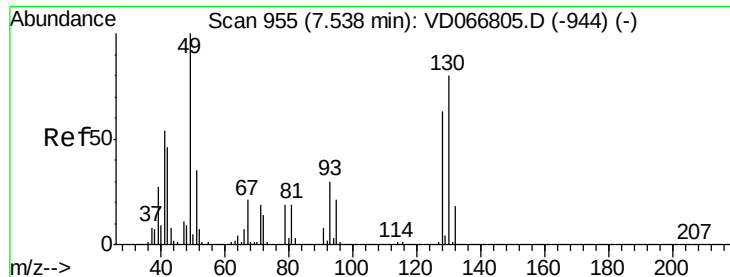
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9/25/2020 4:00:16 PM



#40
Benzene
Concen: 50.358 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.9	29.9





#41

Methacrylonitrile

Concen: 51.996 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

Tot Ion: 41 Resp: 65374

Ion Ratio Lower Upper

41 100

39 59.8 0.0 0.0#

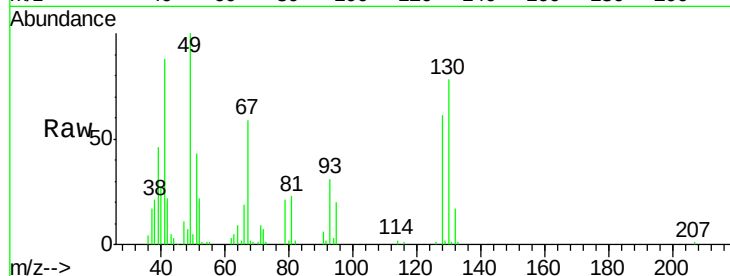
67 74.6 0.0 0.0#

52 29.4 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

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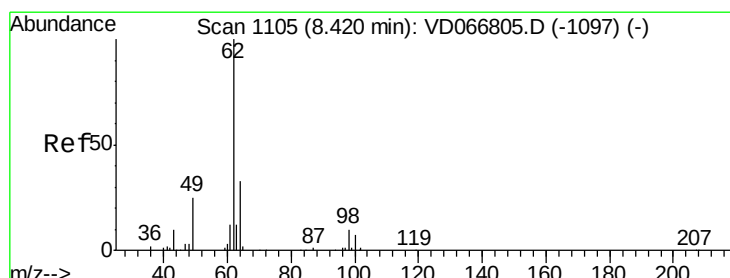
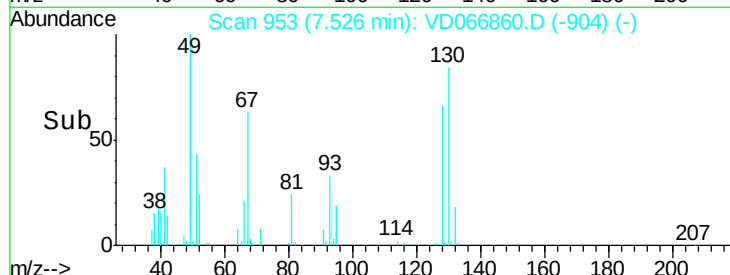
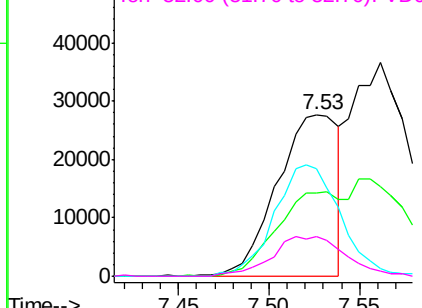


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.979 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066860.D

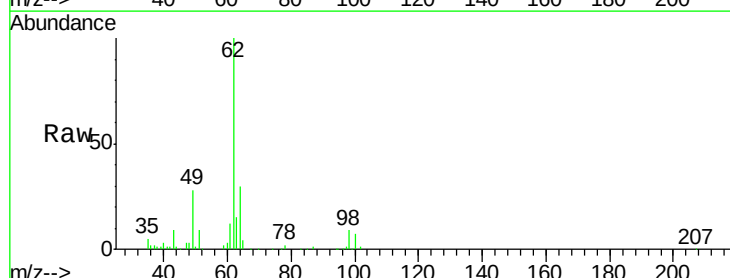
Acq: 24 Sep 2020 19:23

Tgt Ion: 62 Resp: 237535

Ion Ratio Lower Upper

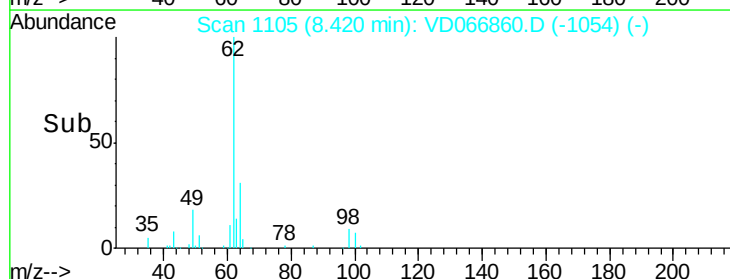
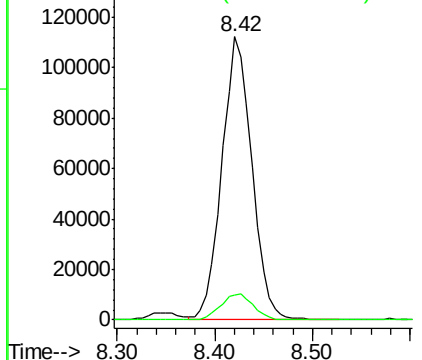
62 100

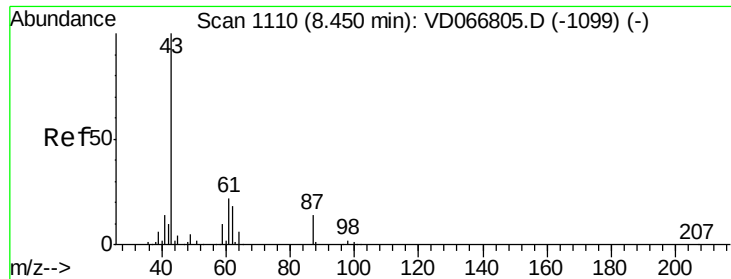
98 10.0 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





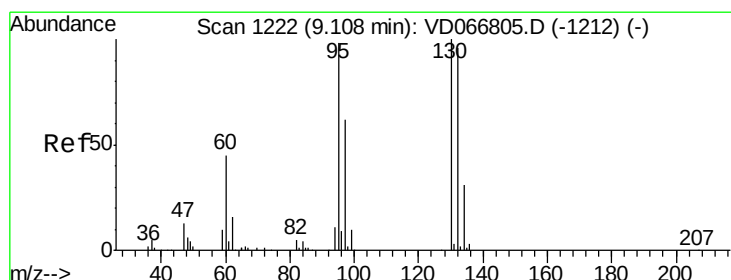
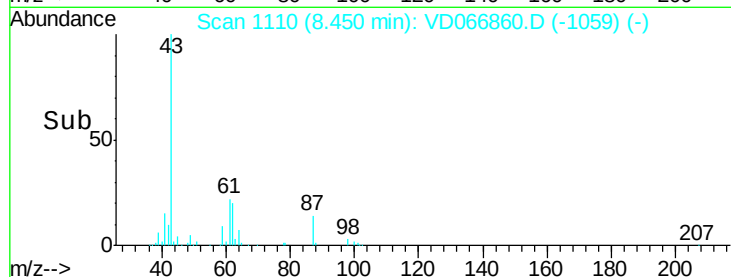
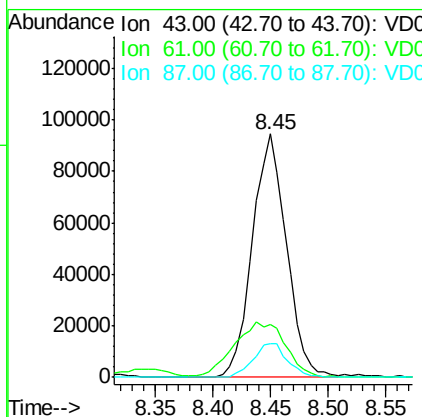
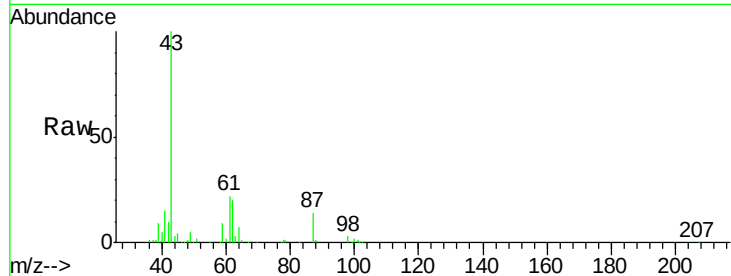
#43
Isopropyl Acetate
Concen: 49.507 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
43	100	195138		
61	34.5		26.2	39.4
87	14.2		11.5	17.3

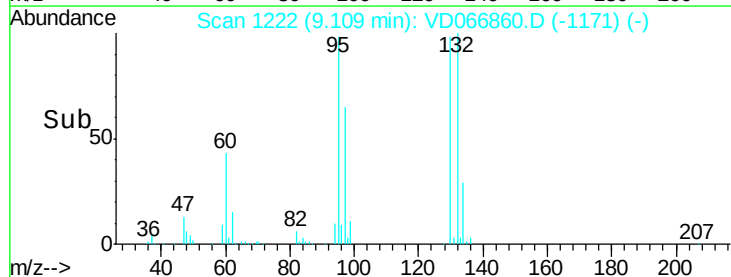
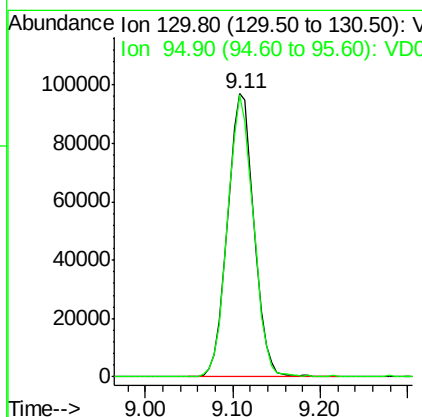
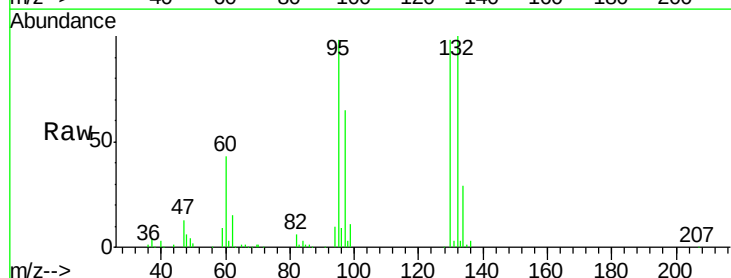
Manual Integrations
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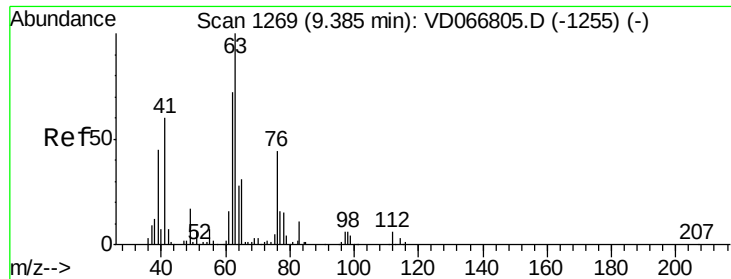
MMDadoda
9/25/2020 4:00:16 PM



#44
Trichloroethene
Concen: 44.395 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	199446		
95	99.5		0.0	197.0





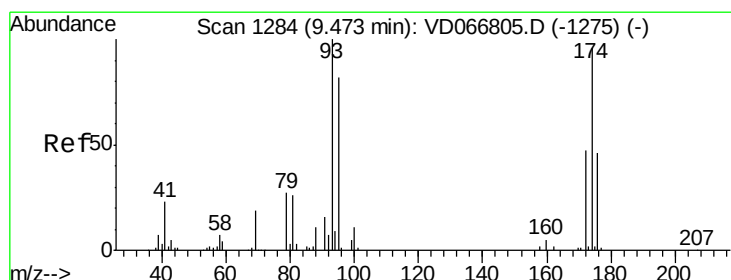
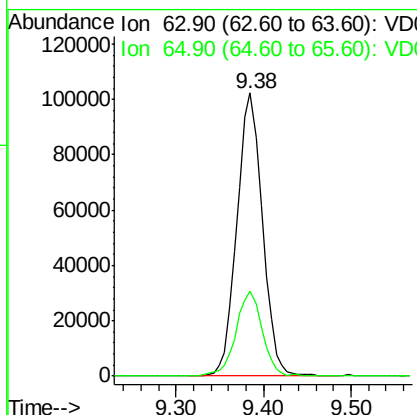
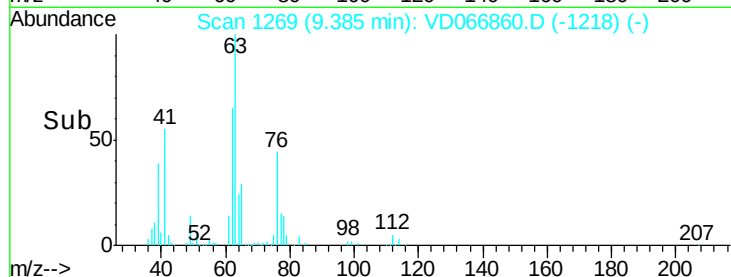
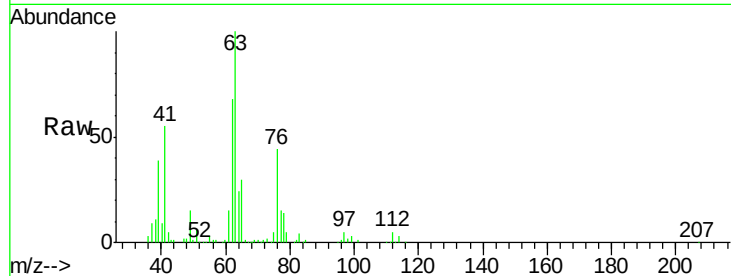
#45
 1,2-Dichloropropane
 Concen: 50.762 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.7	37.1

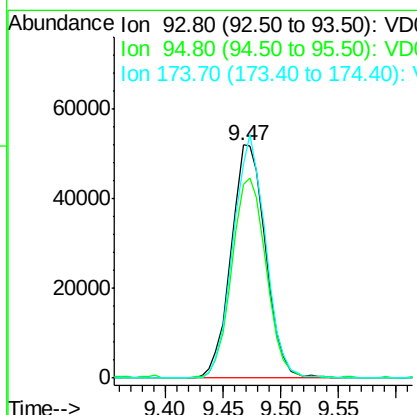
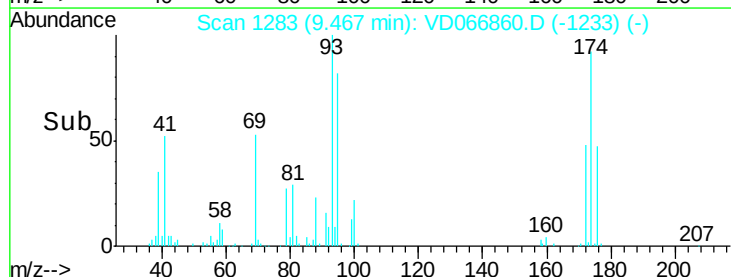
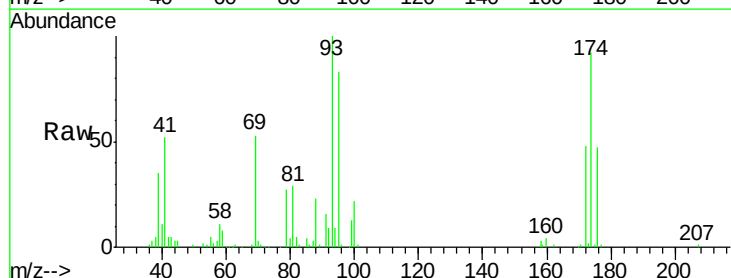
Manual Integrations
 APPROVED

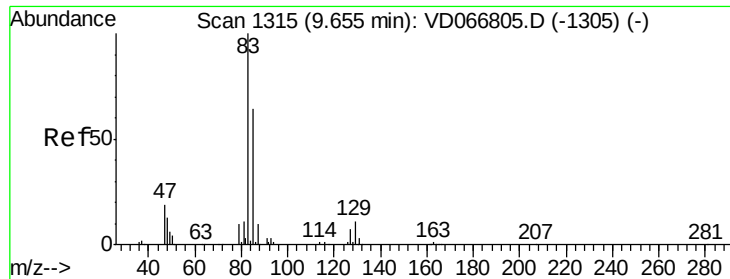
MMDadoda
 9/25/2020 4:00:16 PM



#46
 Dibromomethane
 Concen: 49.969 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.4	65.3	97.9
174	98.5	75.4	113.2





#47

Bromodichloromethane

Concen: 48.878 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

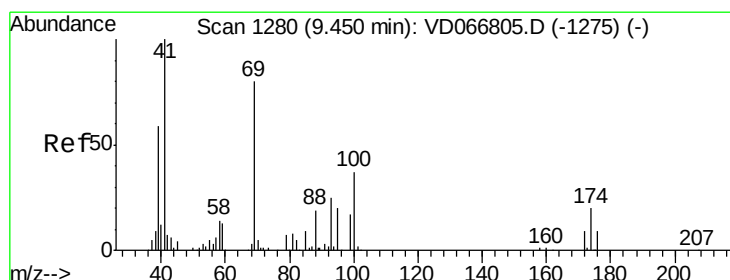
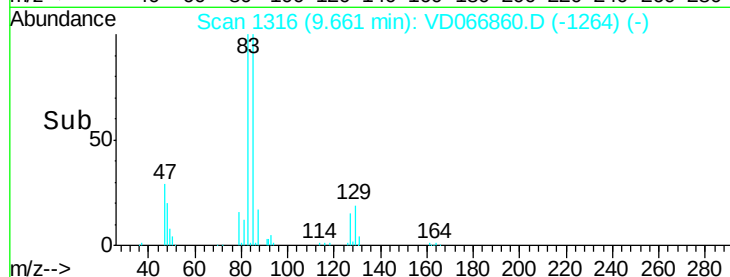
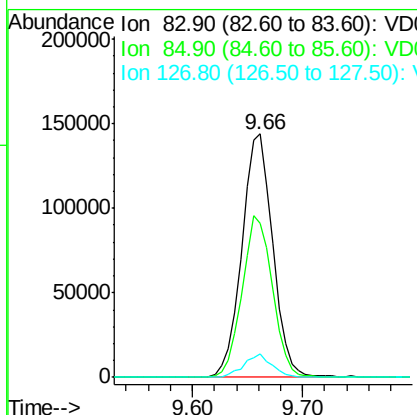
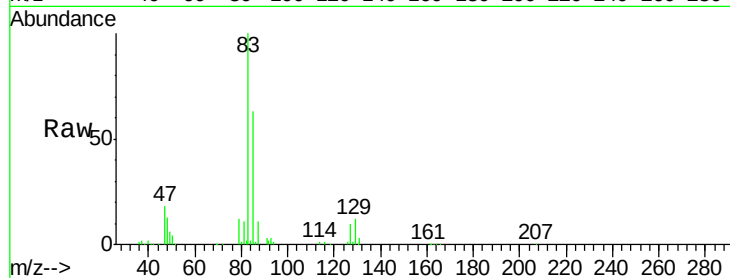
ClientSampleId :

B-2(4-5)MSD

Tot Ion:	83	Resp:	282904
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.9	76.3
127	9.6	5.9	8.9#

Manual Integrations
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MMDadoda
9/25/2020 4:00:16 PM



#48

Methyl methacrylate

Concen: 55.865 ug/l

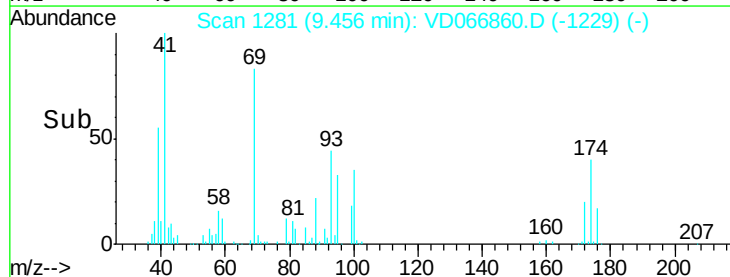
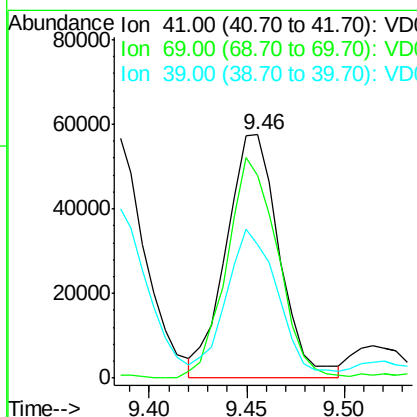
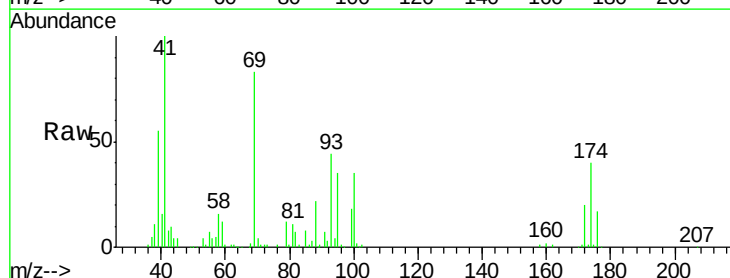
RT: 9.46 min Scan# 1281

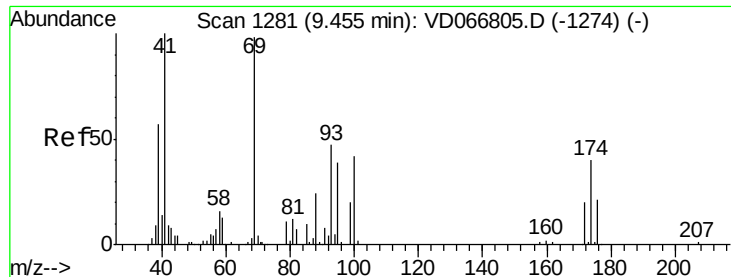
Delta R.T. 0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Tgt Ion:	41	Resp:	108567
Ion Ratio	Lower	Upper	
41	100		
69	86.7	74.5	111.7
39	60.8	47.0	70.6





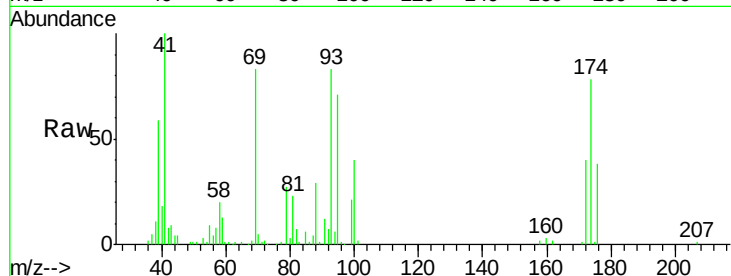
#49
1,4-Dioxane
Concen: 1173.700 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	27.7	41.5
58	69.0	55.5	83.3

Manual Integrations
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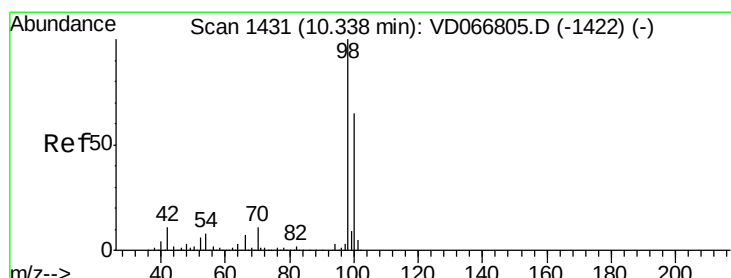
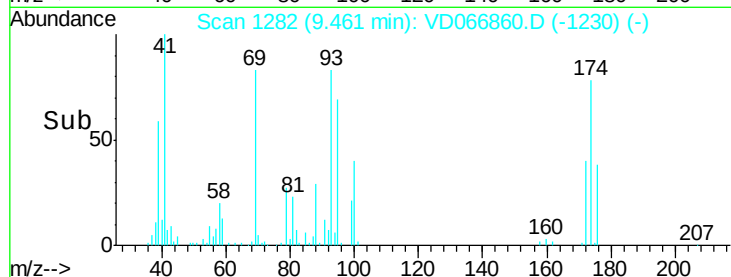
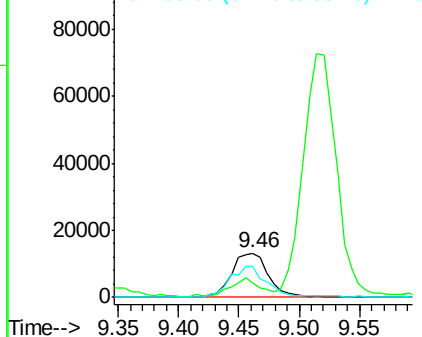


Abundance

Ion 88.00 (87.70 to 88.70): VDC

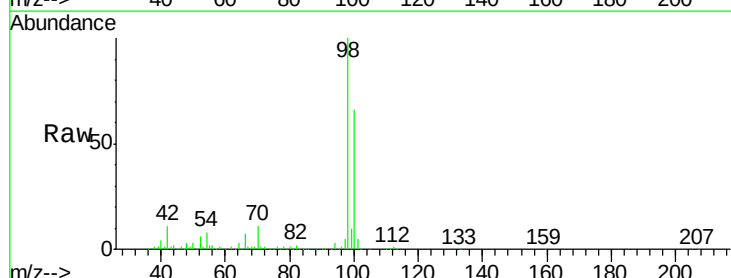
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 46.859 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

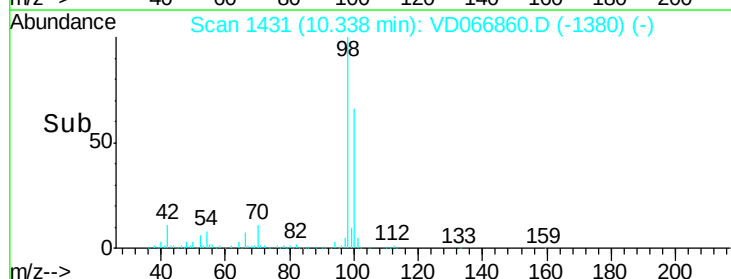
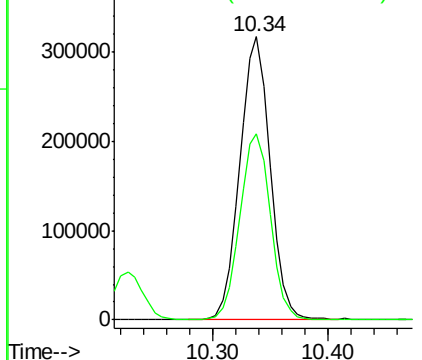
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.2	78.2

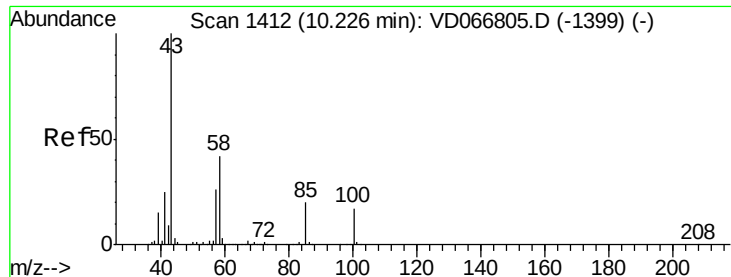


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





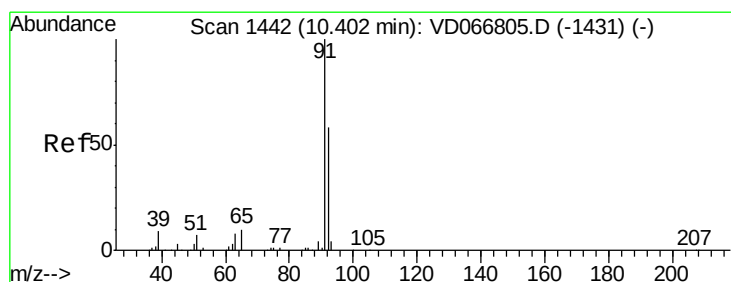
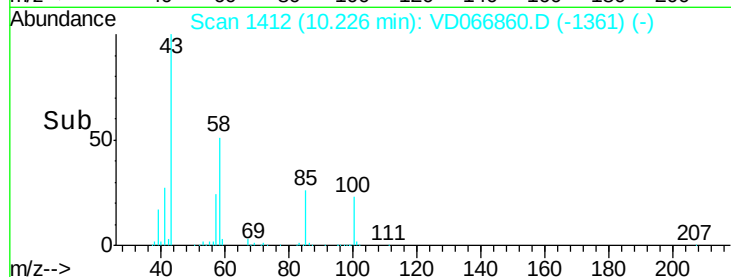
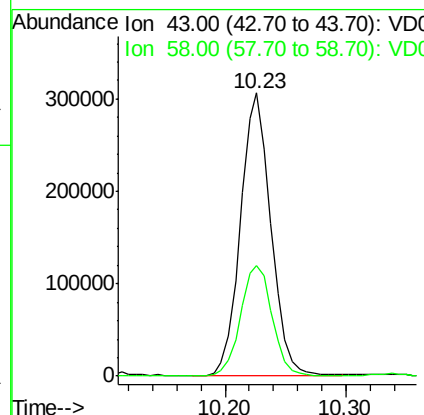
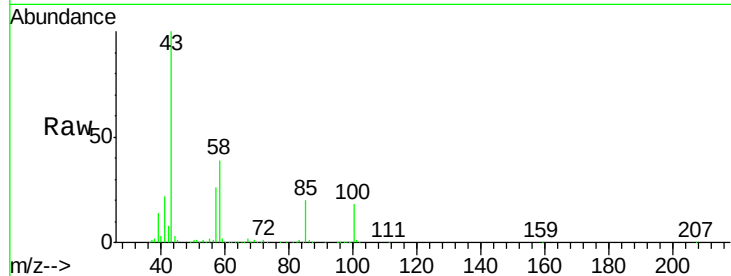
#51
 4-Methyl-2-Pentanone
 Concen: 269.435 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion	43	Resp	538127
Ion Ratio	100	Lower	Upper
58	40.5	32.2	48.4

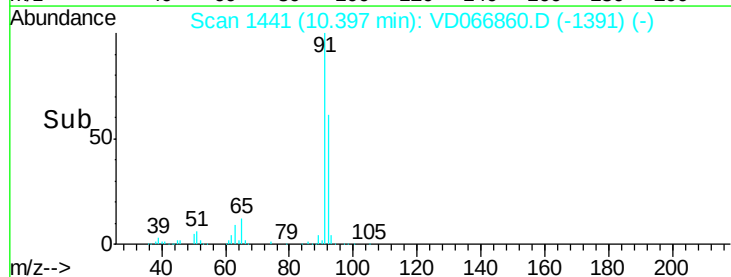
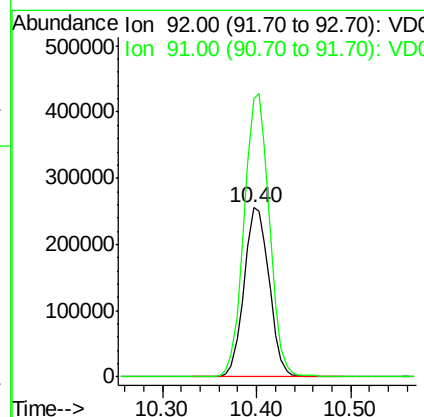
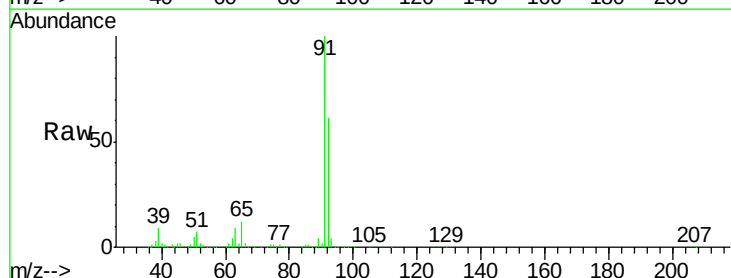
Manual Integrations
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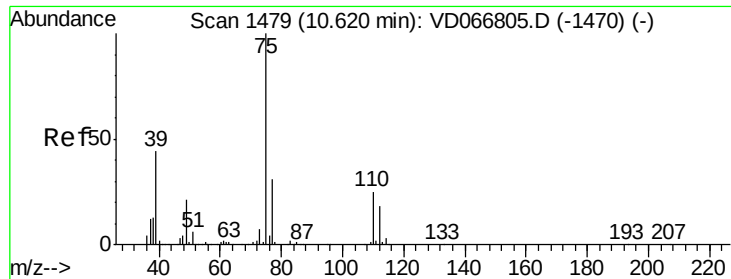
MMDadoda
 9/25/2020 4:00:16 PM



#52
 Toluene
 Concen: 46.571 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion	92	Resp	472811
Ion Ratio	100	Lower	Upper
91	169.3	134.6	202.0





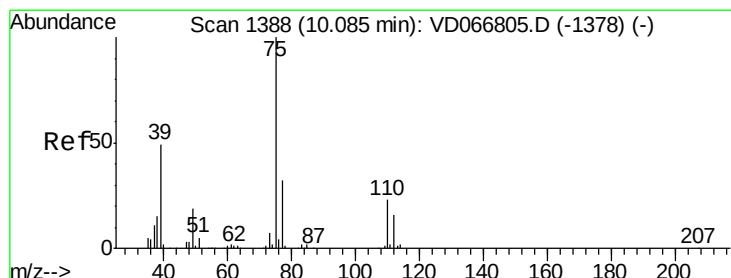
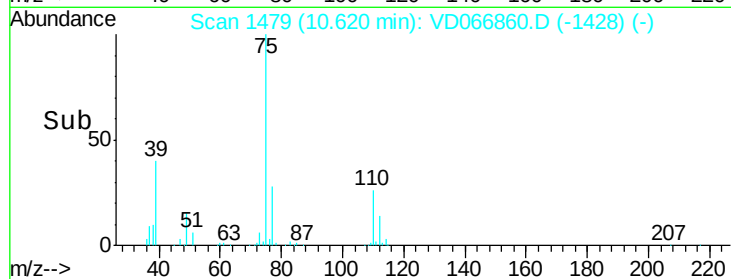
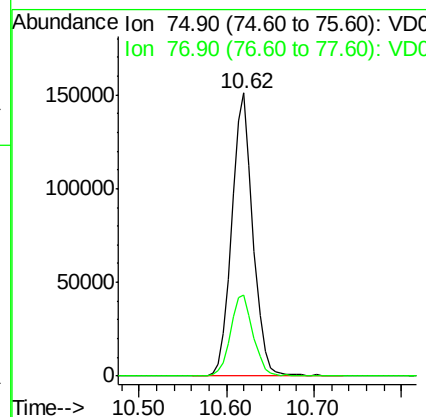
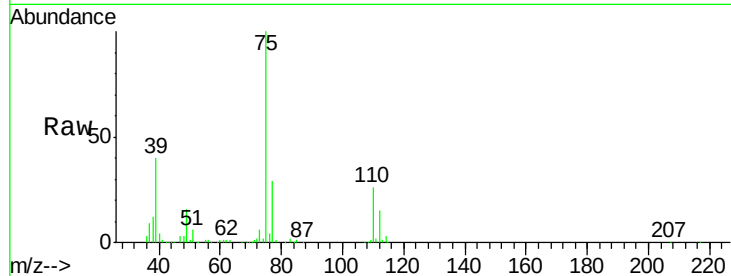
#53
t-1,3-Dichloropropene
Concen: 50.678 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.6	24.5	36.7

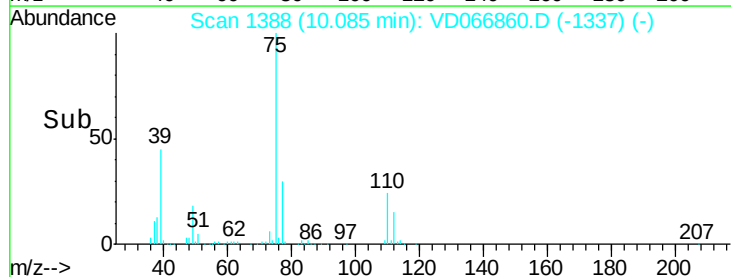
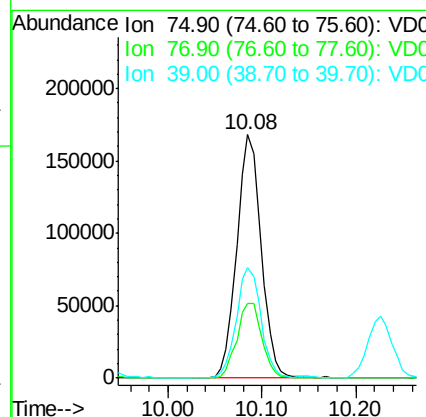
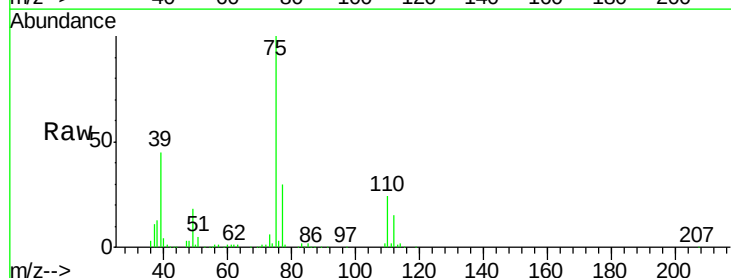
Manual Integrations
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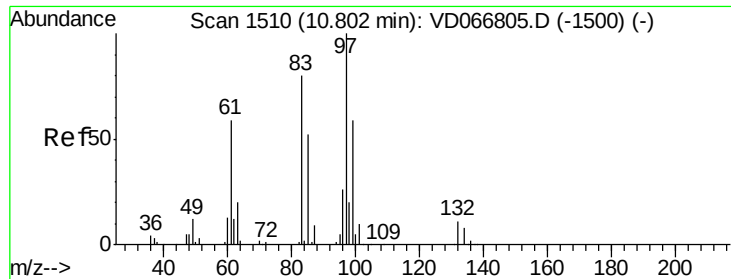
MMDadoda
9/25/2020 4:00:16 PM



#54
cis-1,3-Dichloropropene
Concen: 50.617 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.6	38.4
39	45.2	39.2	58.8





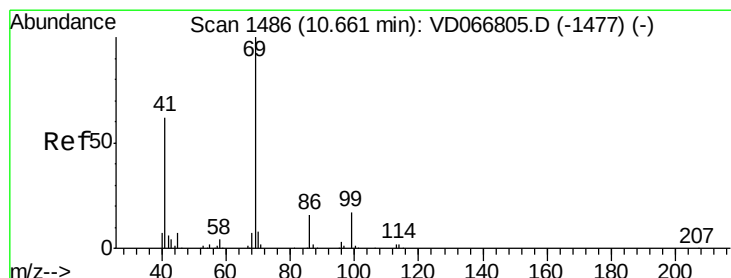
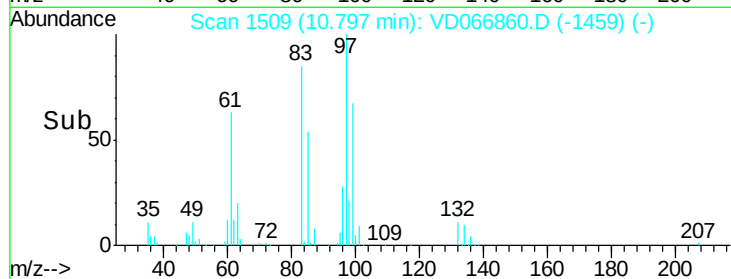
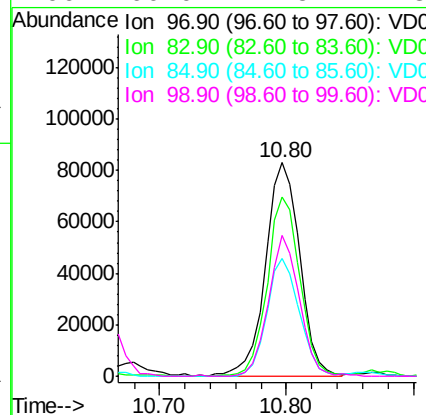
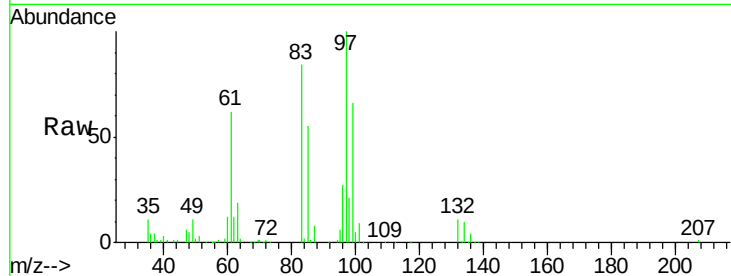
#55
 1,1,2-Trichloroethane
 Concen: 52.830 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion:	97	Resp:	156480
Ion	Ratio	Lower	Upper
97	100		
83	84.1	64.2	96.2
85	55.1	41.9	62.9
99	66.0	47.5	71.3

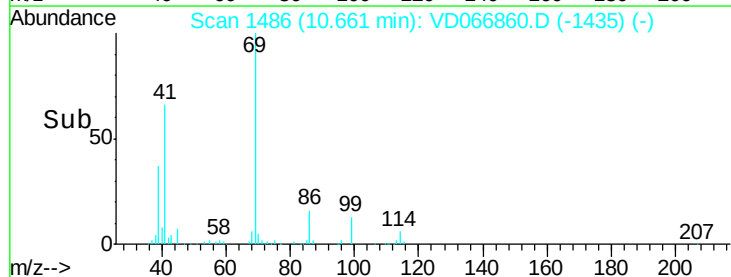
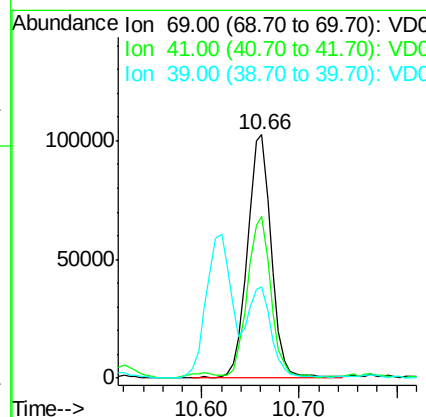
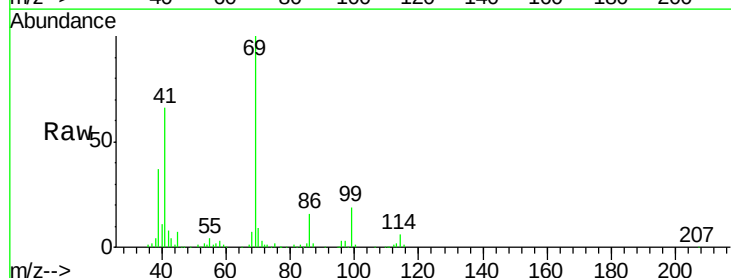
Manual Integrations
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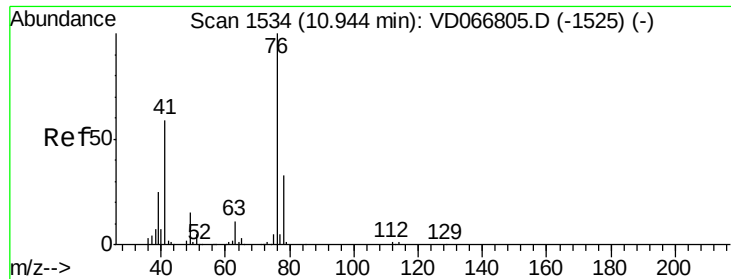
MMDadoda
 9/25/2020 4:00:16 PM



#56
 Ethyl methacrylate
 Concen: 55.419 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion:	69	Resp:	175849
Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.2	78.2
39	36.9	26.6	40.0





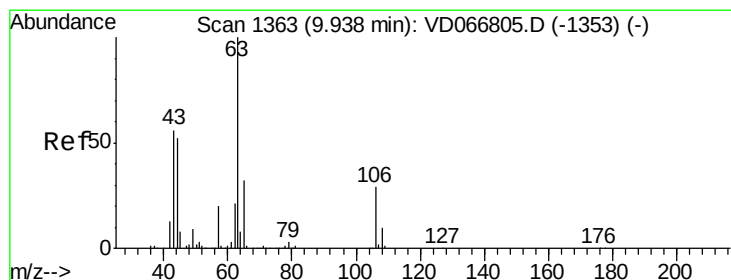
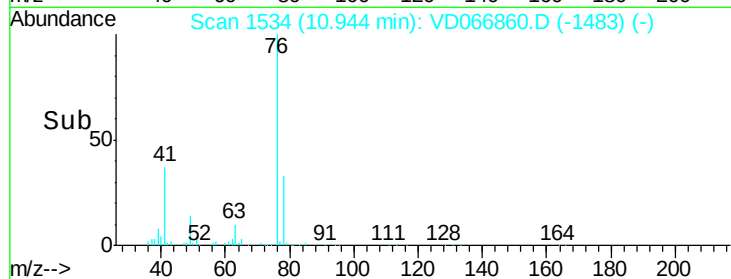
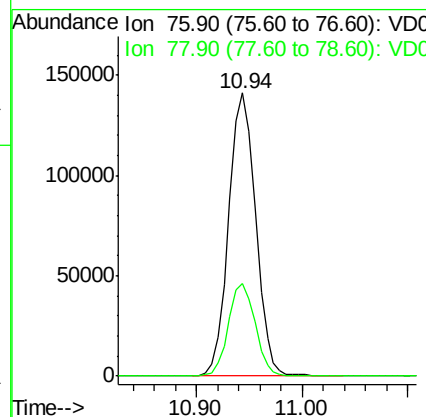
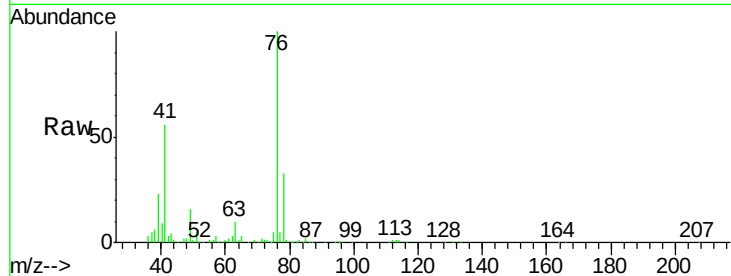
#57
 1,3-Dichloropropane
 Concen: 51.192 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

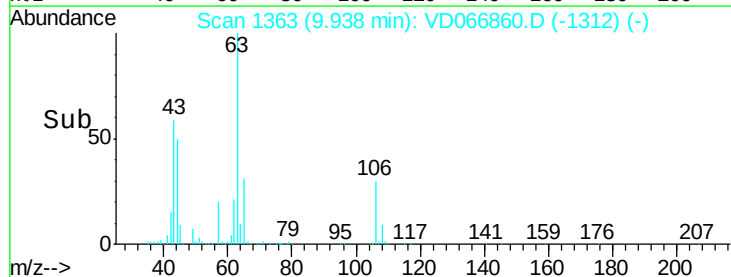
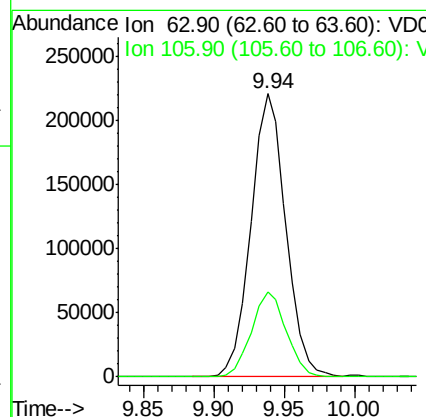
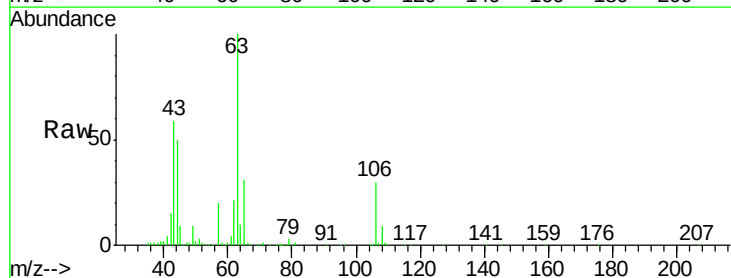
Manual Integrations
 APPROVED

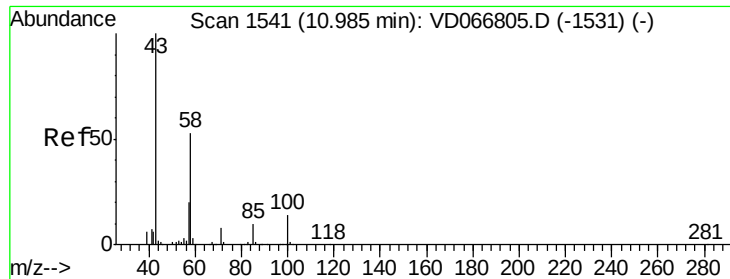
MMDadoda
 9/25/2020 4:00:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.651 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.8	35.6





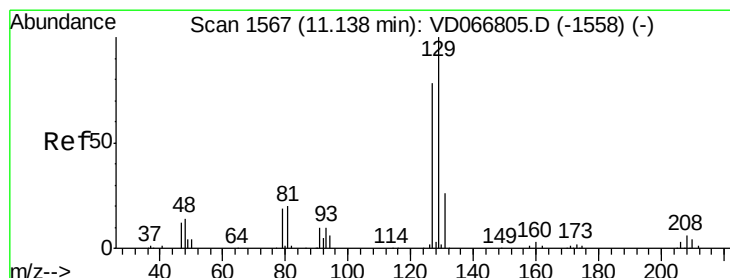
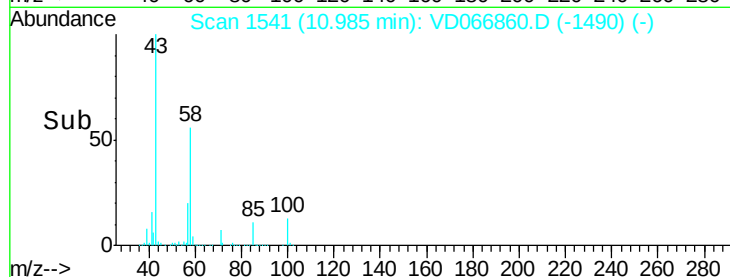
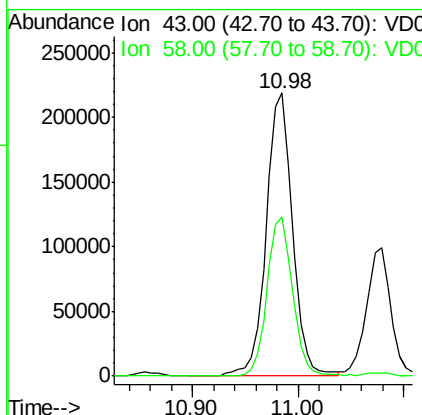
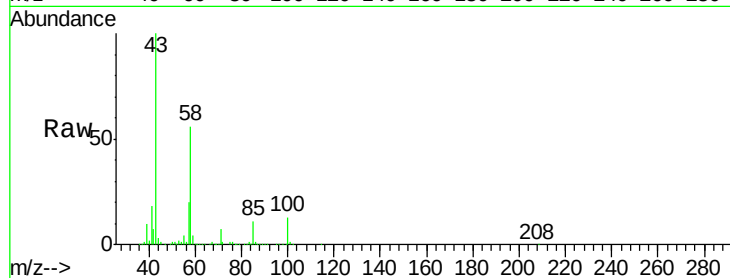
#59
2-Hexanone
Concen: 278.766 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	43	Resp	375468
Ion Ratio	100	Lower	Upper
43	100		
58	54.5	27.0	80.8

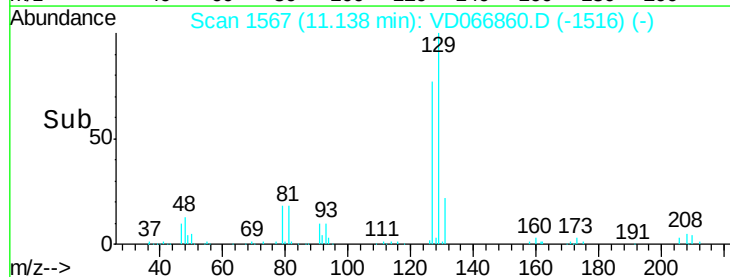
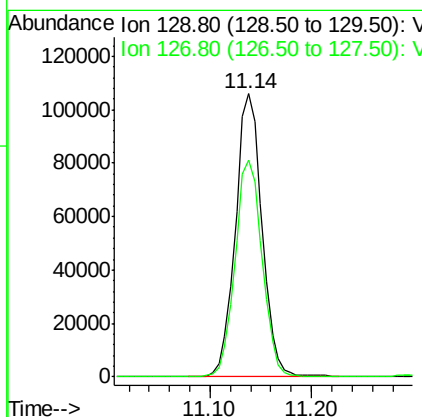
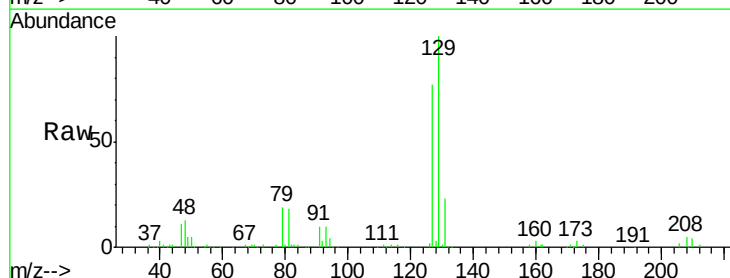
Manual Integrations
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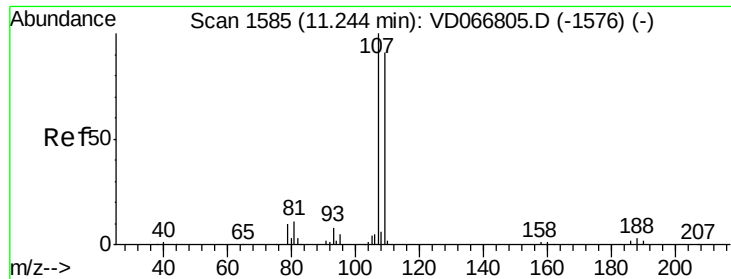
MMDadoda
9/25/2020 4:00:16 PM



#60
Dibromochloromethane
Concen: 49.899 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	129	Resp	192897	
Ion Ratio <th>129</th> <th>100</th> <th>Lower</th> <th>Upper</th>	129	100	Lower	Upper
129	100			
127	77.9	38.6	116.0	





#61

1,2-Dibromoethane

Concen: 50.809 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

Tot Ion: 107 Resp: 139978

Ion Ratio Lower Upper

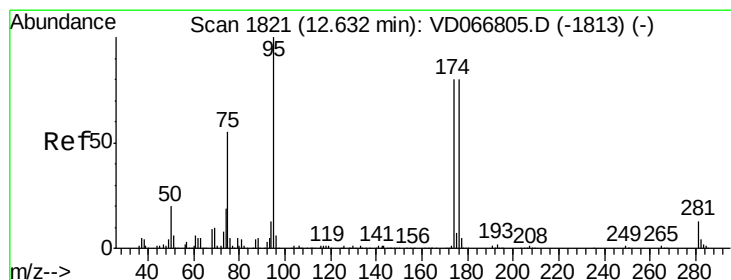
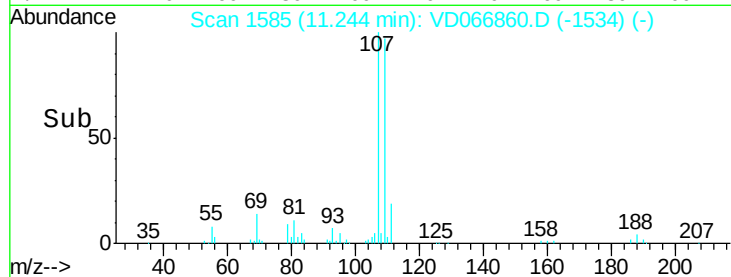
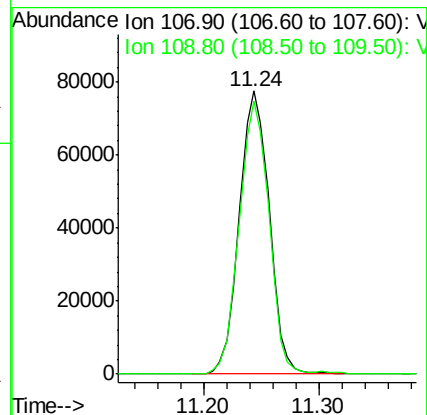
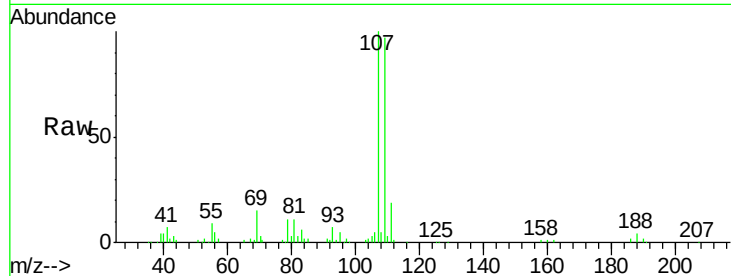
107 100

109 96.4 75.0 112.4

Manual Integrations
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MMDadoda

9/25/2020 4:00:16 PM



#62

4-Bromofluorobenzene

Concen: 38.663 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

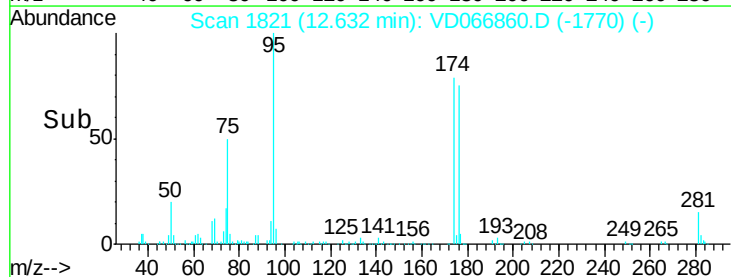
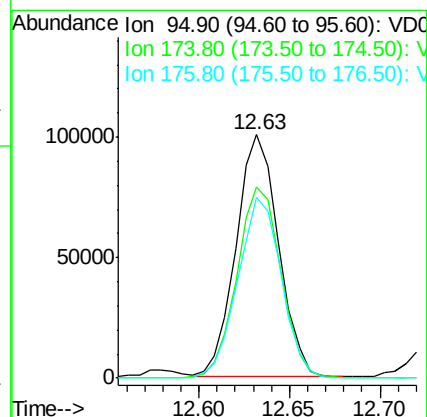
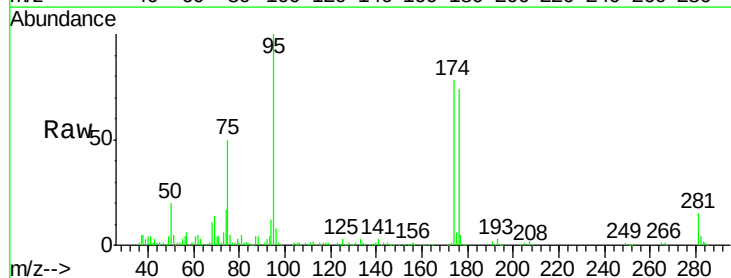
Tgt Ion: 95 Resp: 163550

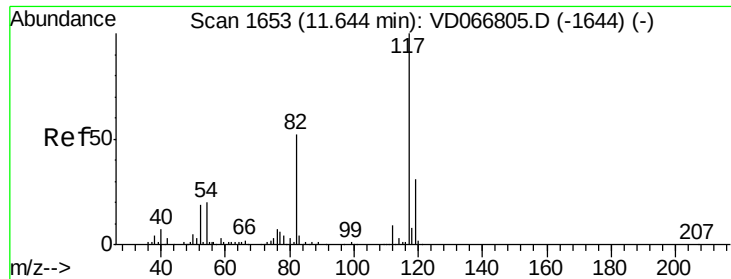
Ion Ratio Lower Upper

95 100

174 81.8 0.0 159.8

176 76.5 0.0 154.4





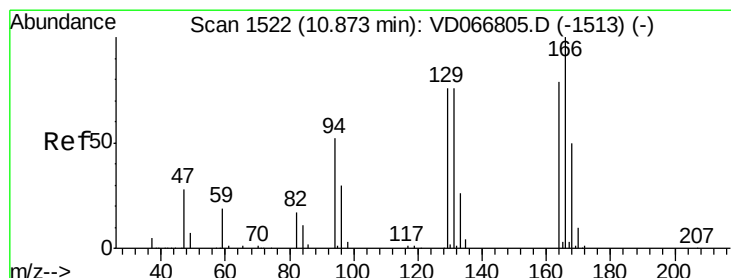
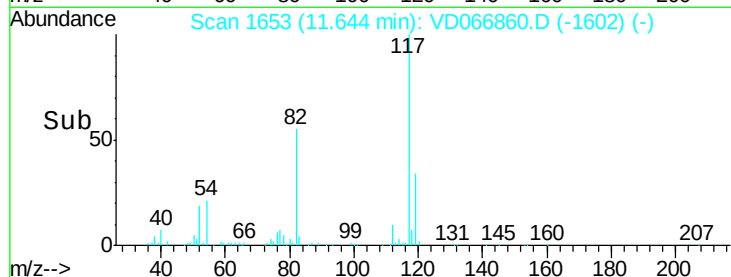
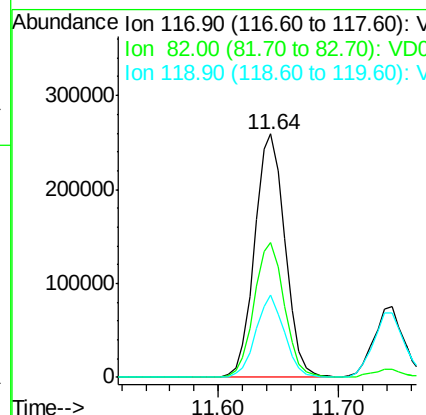
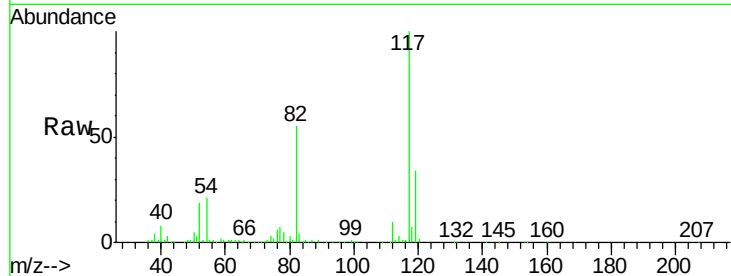
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	455677		
82	55.3	41.8	62.6	
119	33.6	24.6	37.0	

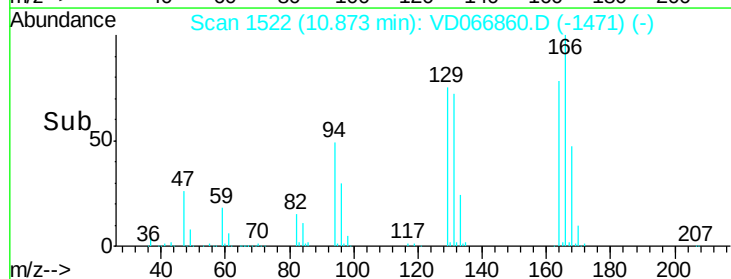
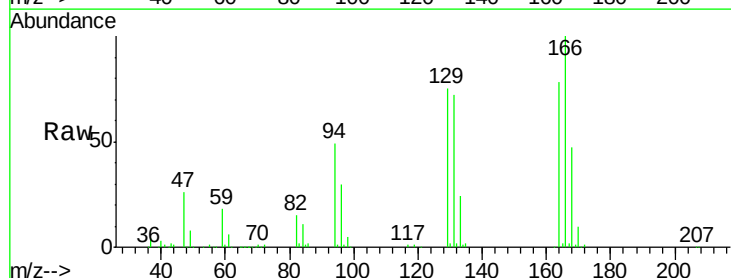
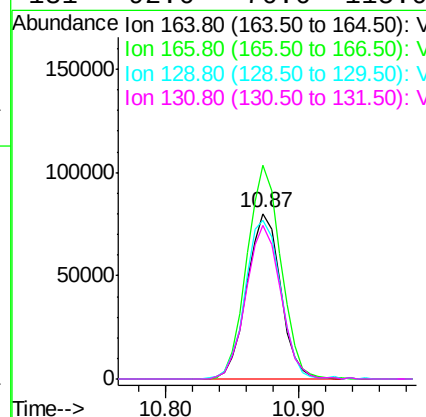
Manual Integrations
APPROVED

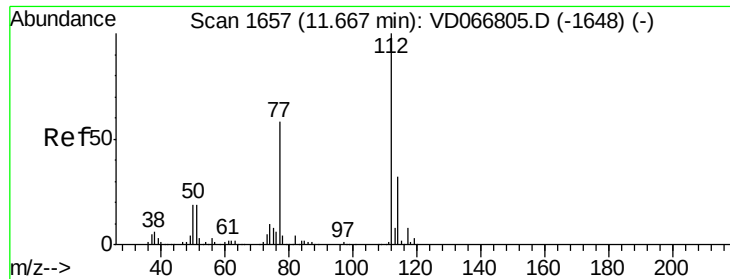
MMDadoda
9/25/2020 4:00:16 PM



#64
Tetrachloroethene
Concen: 42.612 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139670		
166	128.8	101.1	151.7	
129	96.1	77.0	115.4	
131	92.6	76.6	115.0	





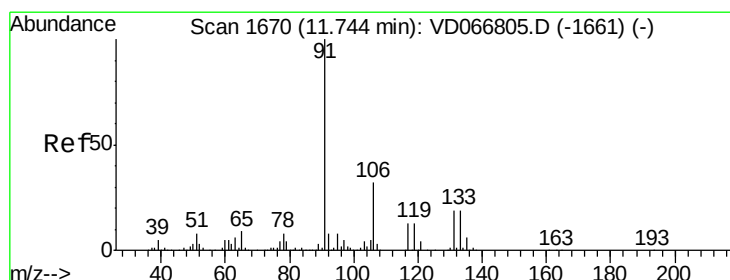
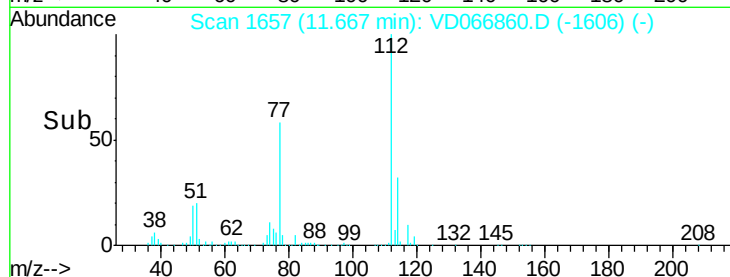
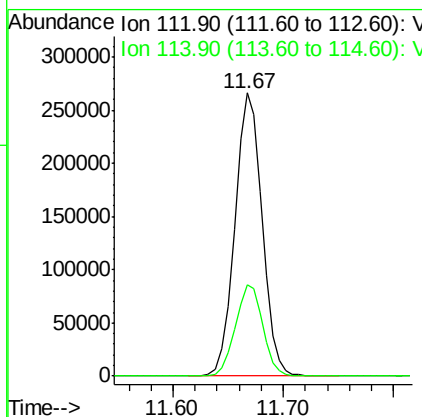
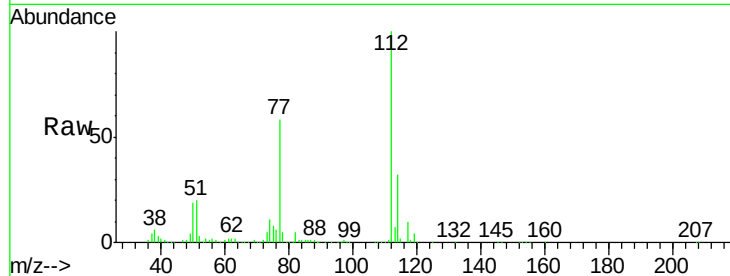
#65
Chlorobenzene
Concen: 48.529 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	460308		
114	32.3	25.4	38.2	

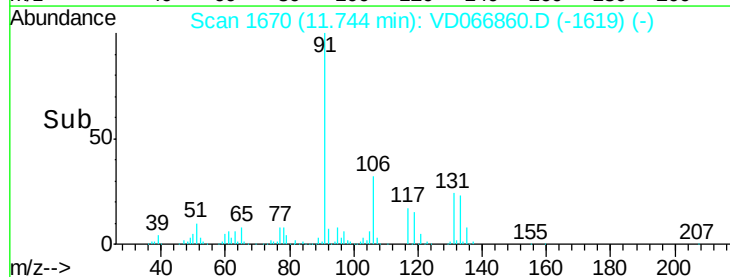
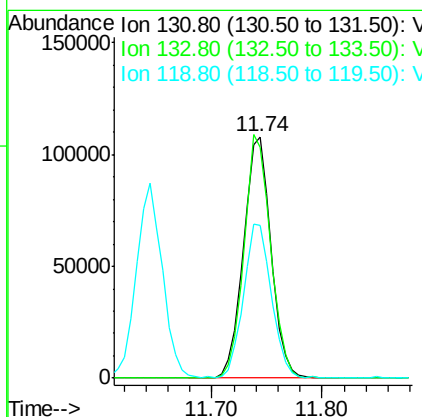
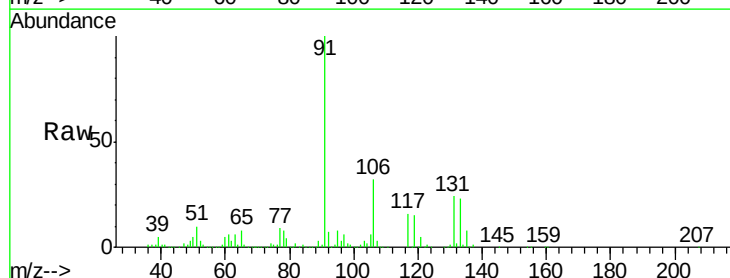
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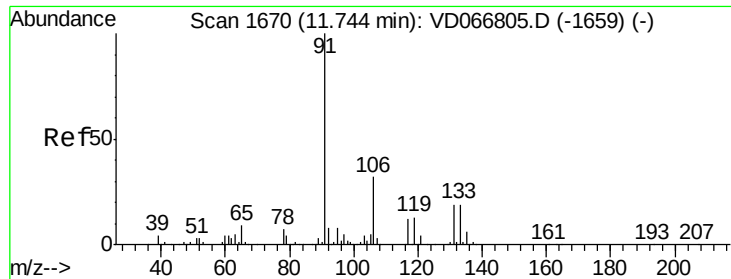
MMDadoda
9/25/2020 4:00:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.955 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	190105		
133	97.2	46.7	140.1	
119	64.9	32.3	96.9	





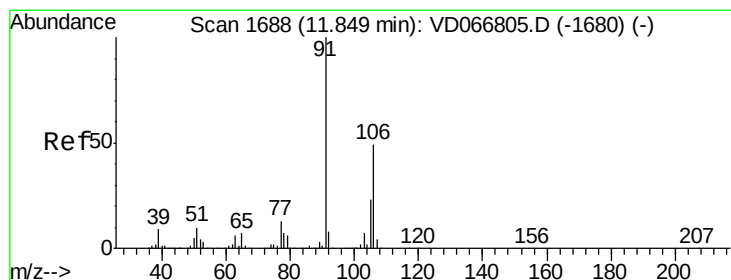
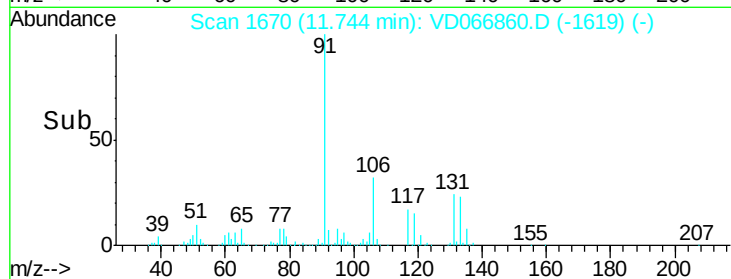
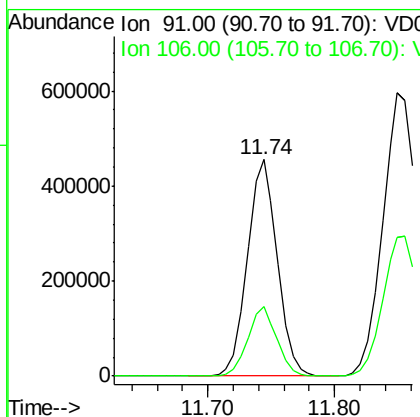
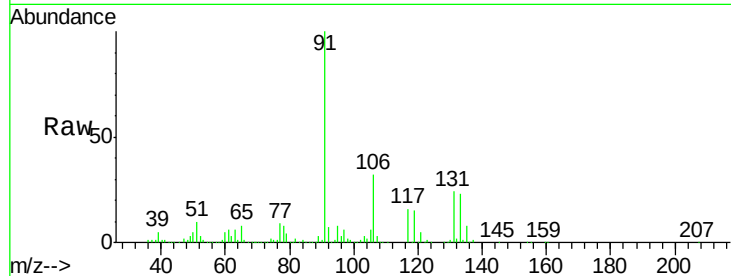
#67
Ethyl Benzene
Concen: 44.806 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	91	Resp	746429
Ion Ratio	100	Lower	Upper
106	32.3	25.6	38.4

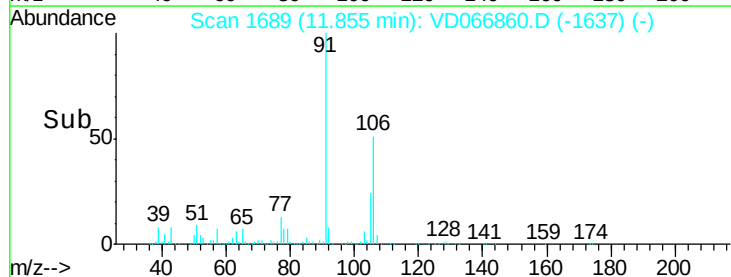
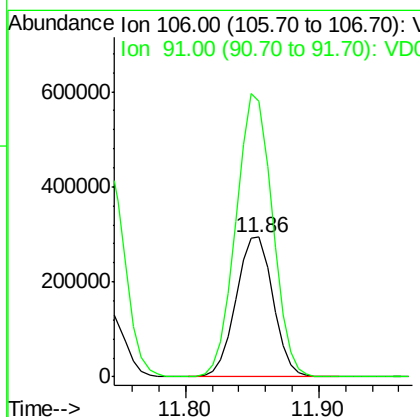
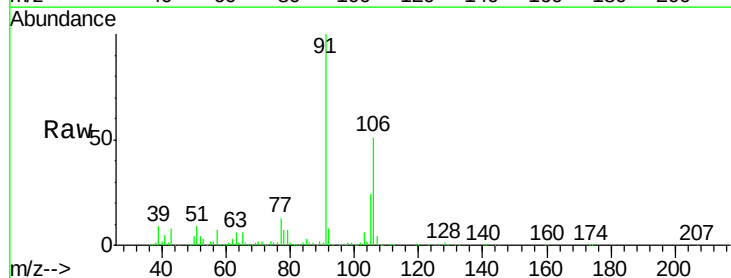
Manual Integrations
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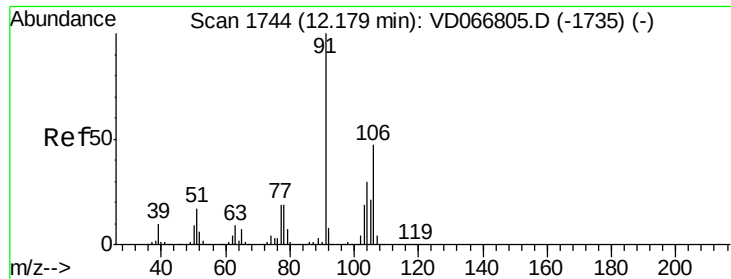
MMDadoda
9/25/2020 4:00:16 PM



#68
m/p-Xylenes
Concen: 89.726 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	106	Resp	565930
Ion Ratio	100	Lower	Upper
91	199.5	160.7	241.1





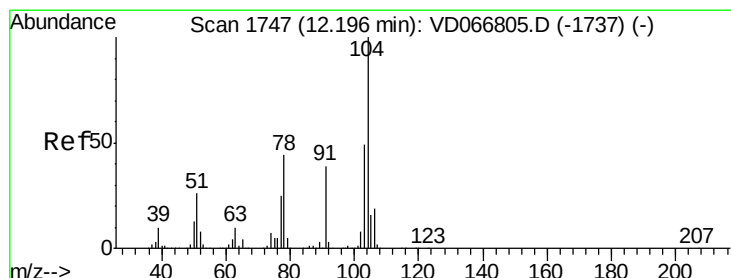
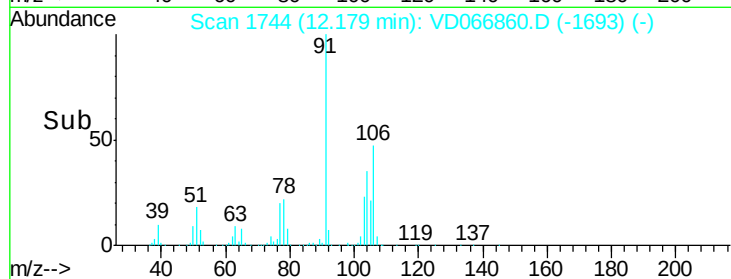
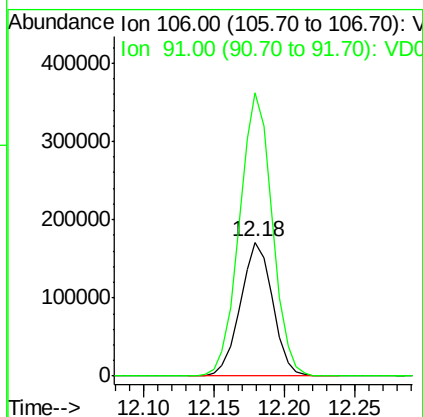
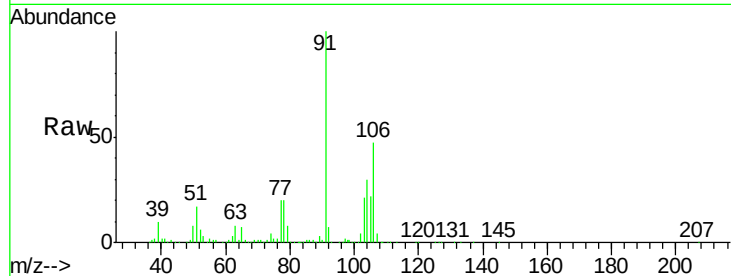
#69
o-Xylene
Concen: 47.933 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	273376		
91	91	215.3	106.3	318.8	

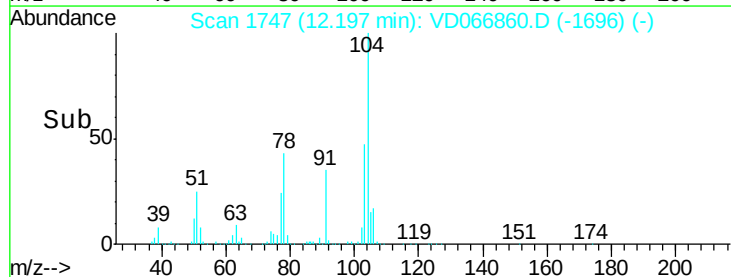
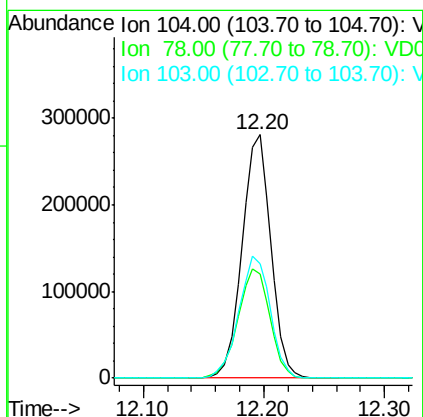
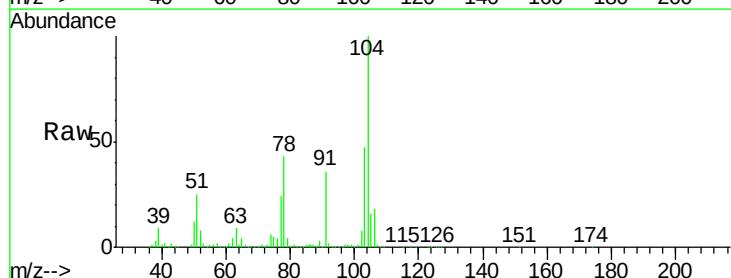
Manual Integrations
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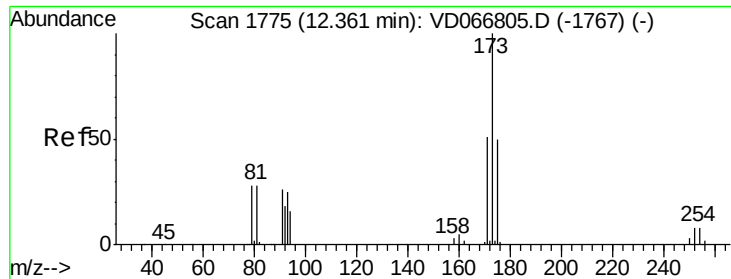
MMDadoda
9/25/2020 4:00:16 PM



#70
Styrene
Concen: 47.213 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	467614		
78	78	50.1	38.9	58.3	
103	103	54.8	43.2	64.8	





#71

Bromoform

Concen: 55.314 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

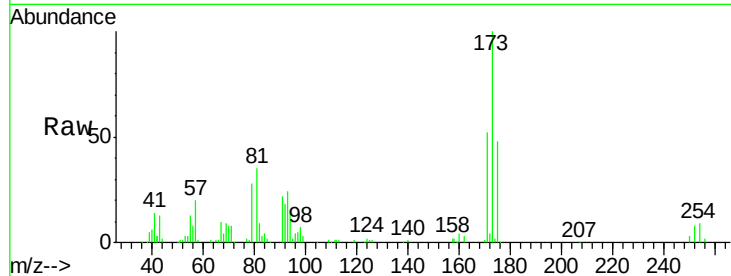
ClientSampleId :

B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.9	74.6
254	0.0	0.1	0.1#

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9/25/2020 4:00:16 PM

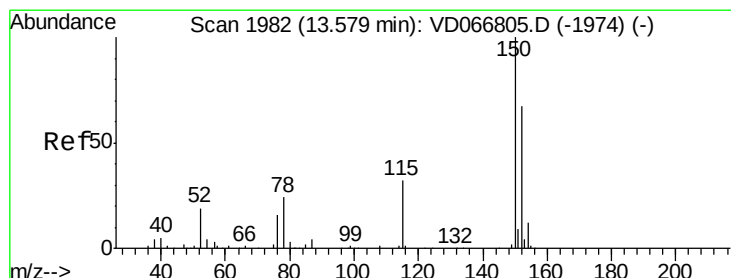
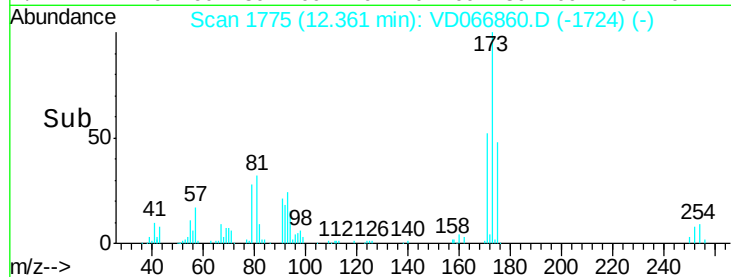
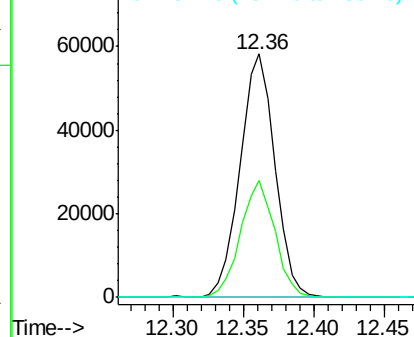


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

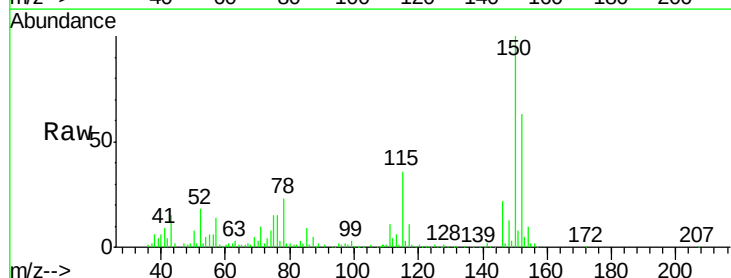
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	30.3	91.0
150	169.0	0.0	346.2

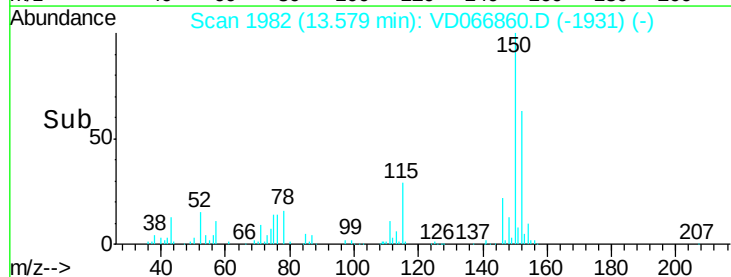
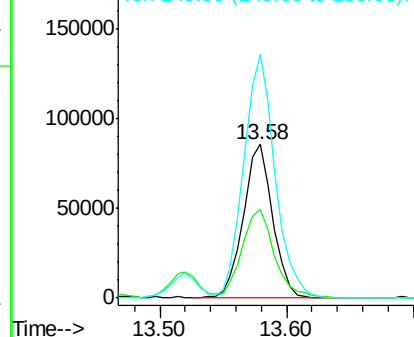


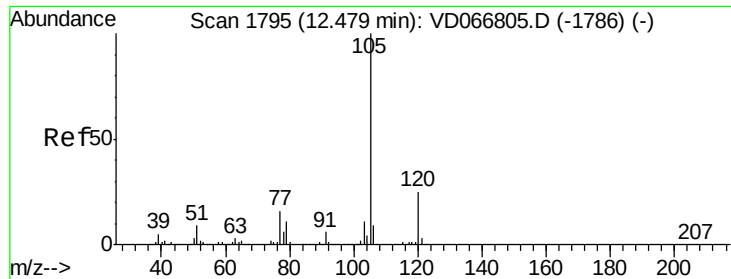
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





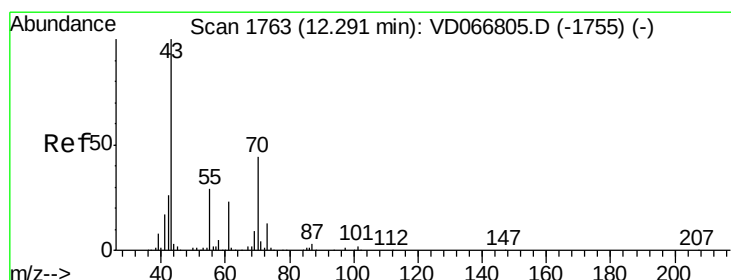
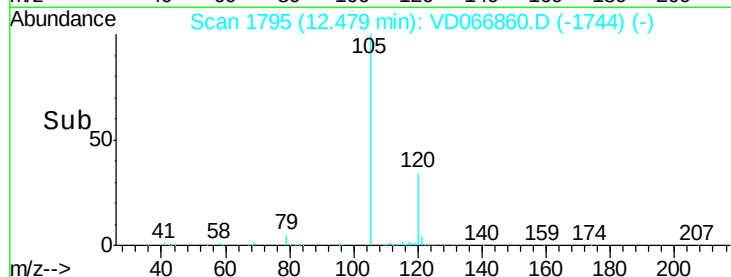
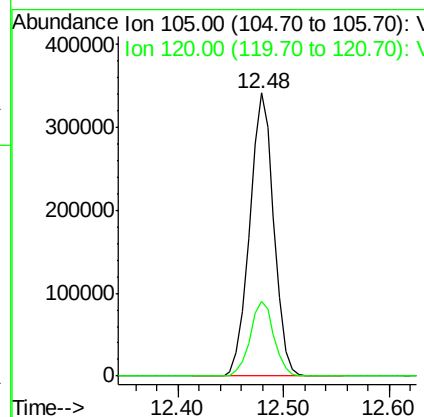
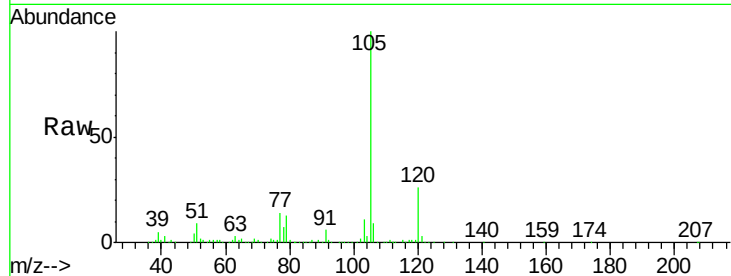
#73
Isopropylbenzene
Concen: 54.445 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	539953		
120	26.2	12.9	38.6	

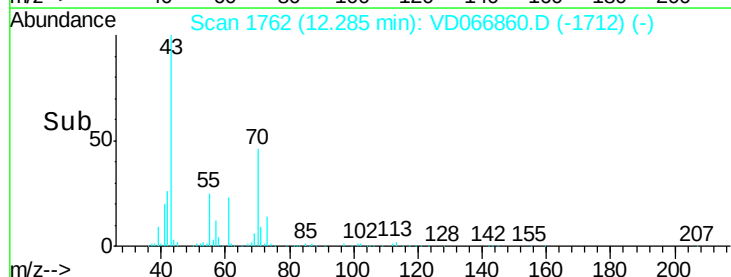
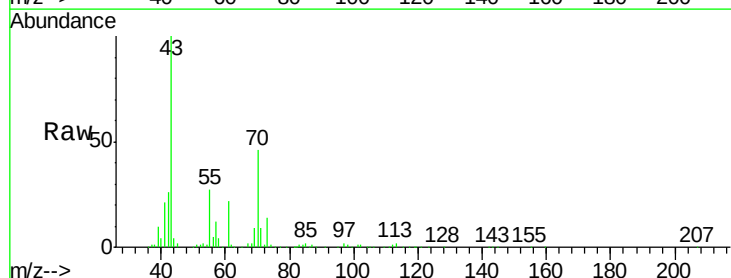
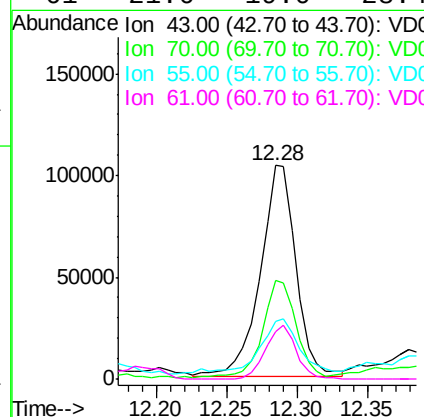
Manual Integrations
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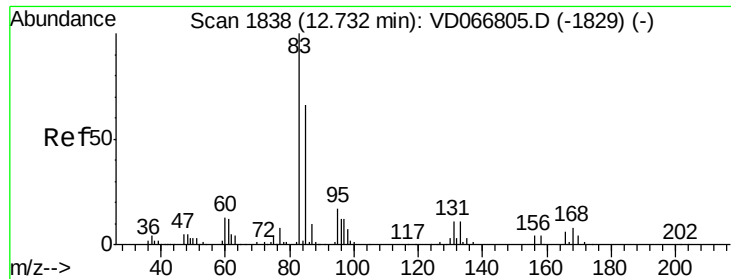
MMDadoda
9/25/2020 4:00:16 PM



#74
N-ethyl acetate
Concen: 95.716 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	185375		
70	41.9	36.1	54.1	
55	28.9	21.8	32.8	
61	21.6	19.0	28.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 83.213 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

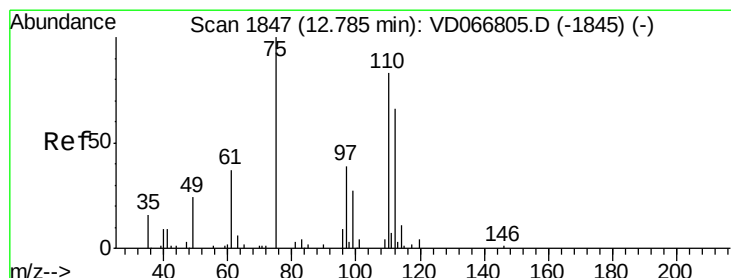
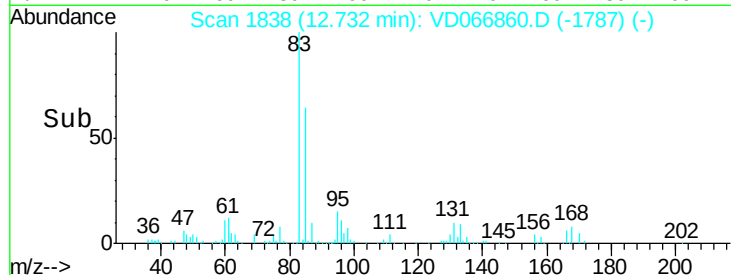
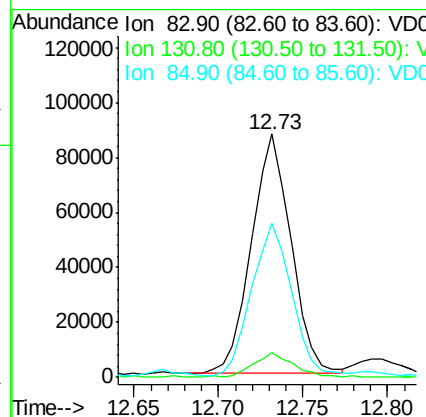
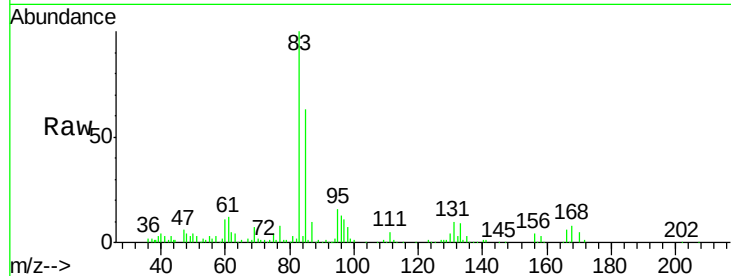
ClientSampleId :

B-2(4-5)MSD

Tot Ion:	83	Resp:	142402
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.7
85	64.6	32.1	96.5

Manual Integrations
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MMDadoda
9/25/2020 4:00:16 PM



#76

1,2,3-Trichloropropane

Concen: 79.938 ug/l m

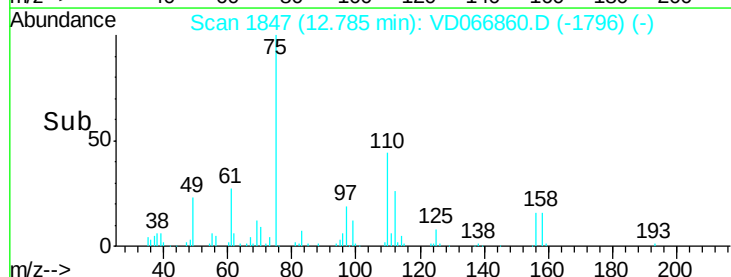
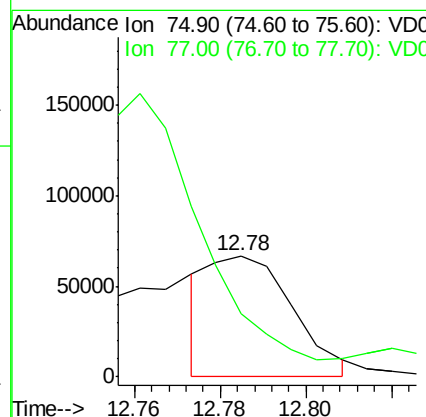
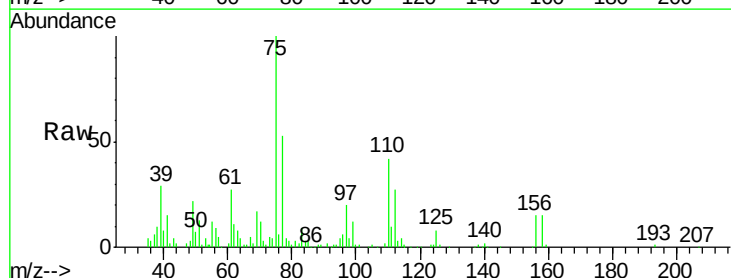
RT: 12.78 min Scan# 1847

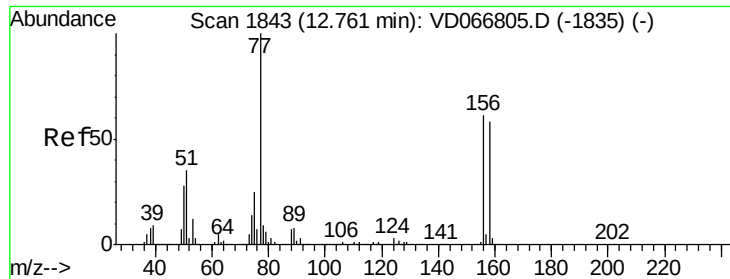
Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Tgt Ion:	75	Resp:	90946
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 70.331 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

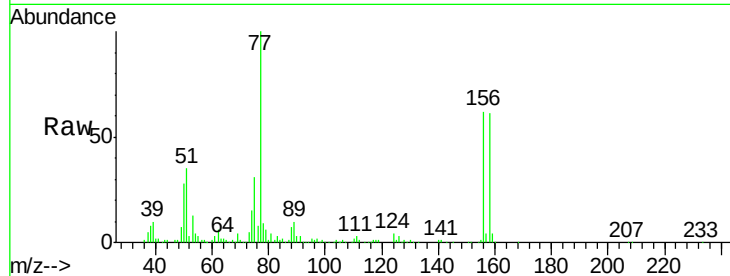
ClientSampleId :

B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.0	92.3	276.9
158	97.0	47.6	142.9

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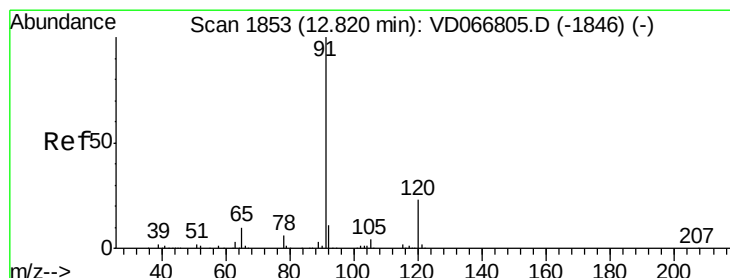
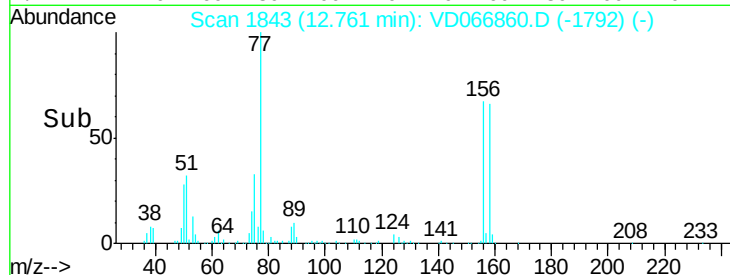
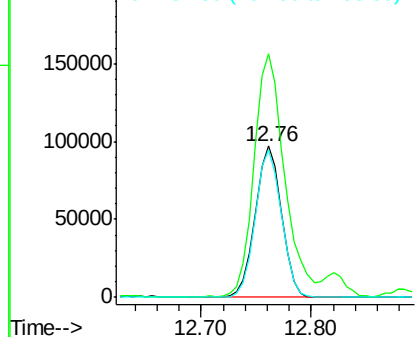


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.193 ug/l

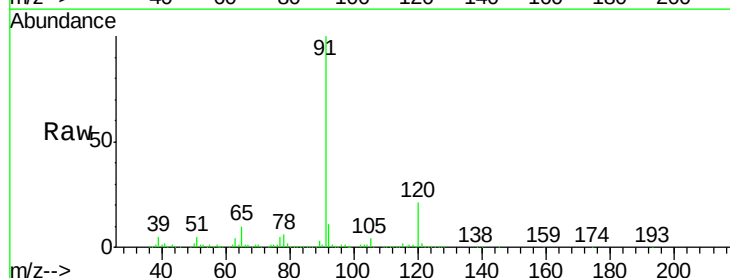
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

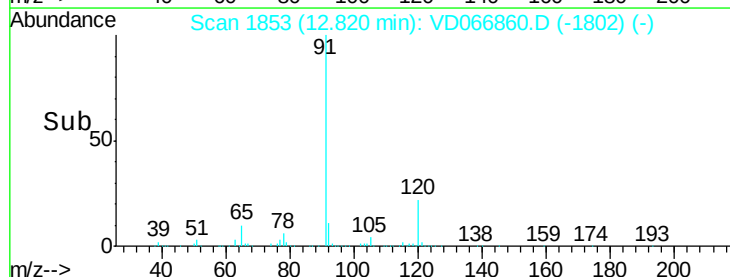
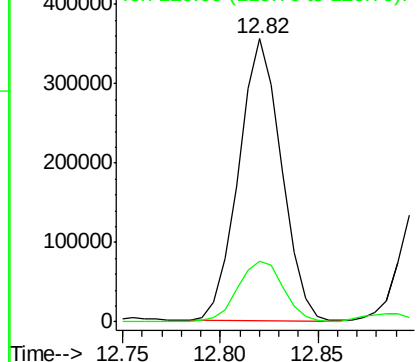
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.4	34.2

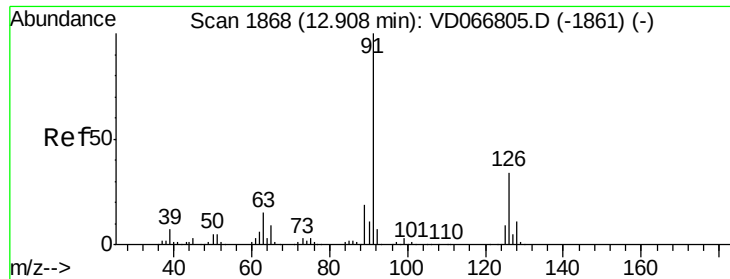


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





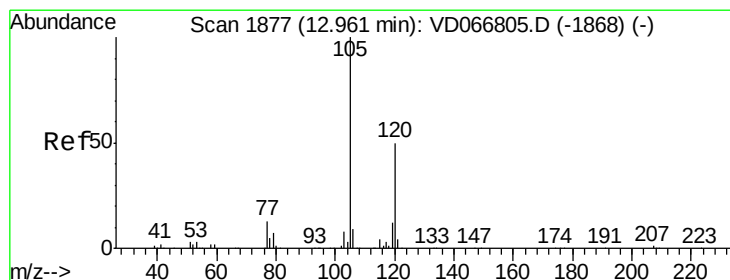
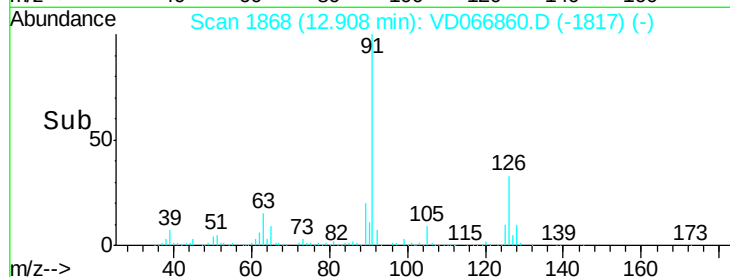
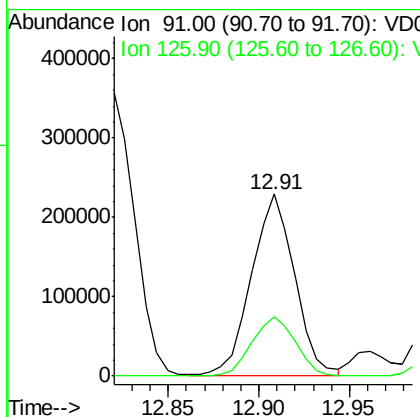
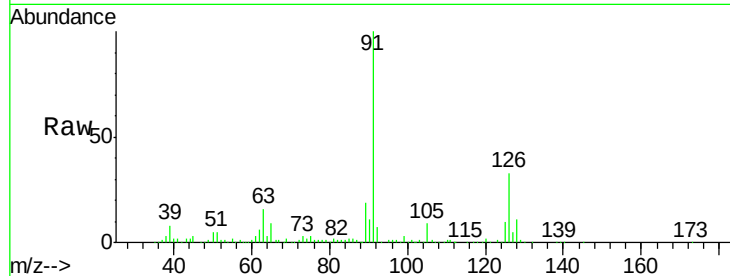
#79
 2-Chlorotoluene
 Concen: 55.391 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.1	17.0	51.0

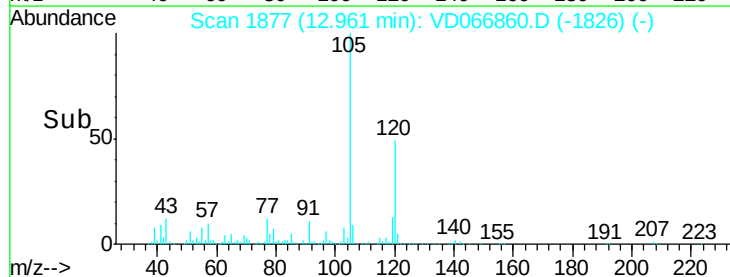
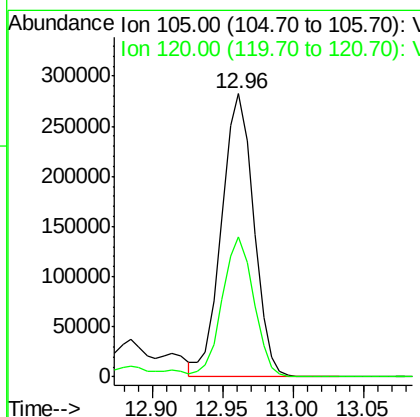
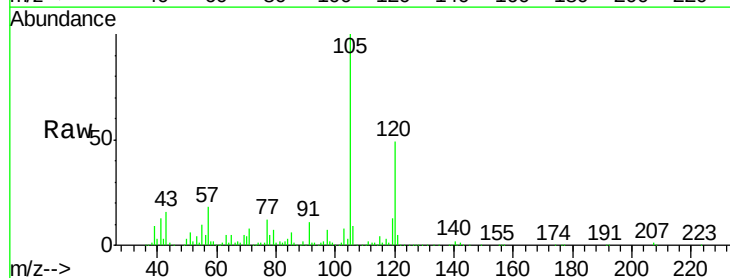
Manual Integrations
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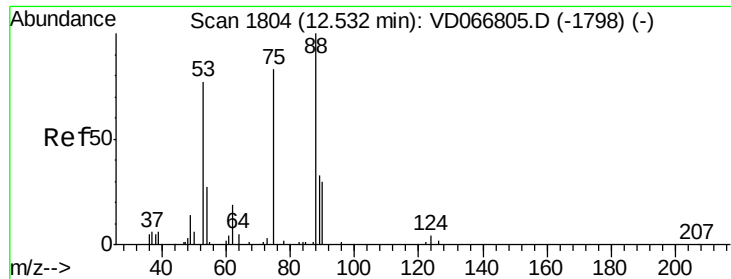
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.233 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.4	73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 91.012 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

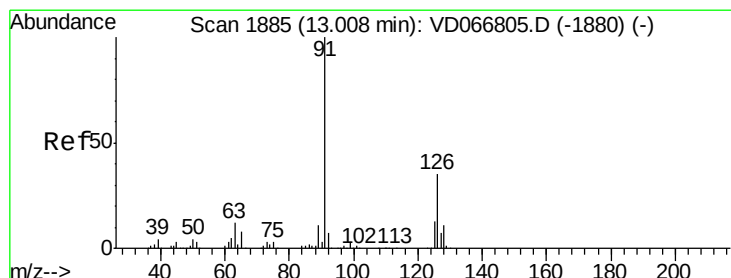
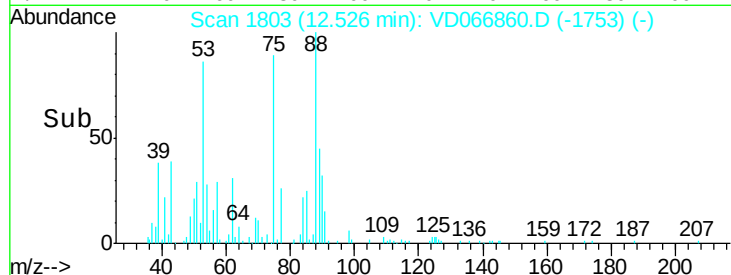
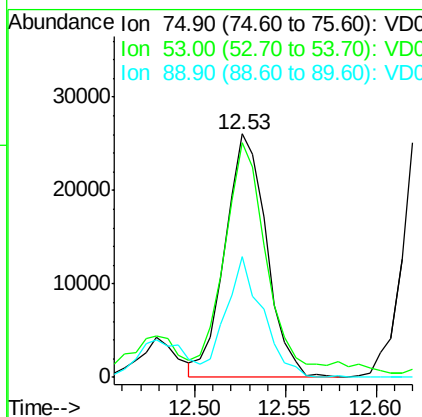
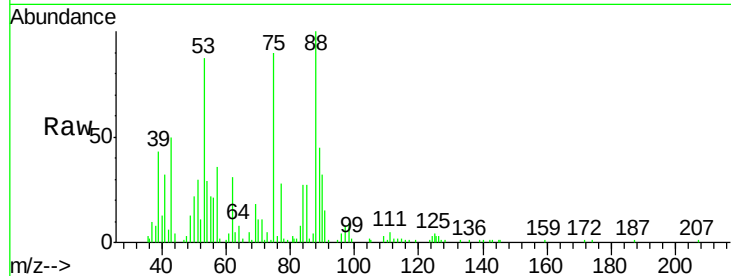
ClientSampleId :

B-2(4-5)MSD

Tot Ion:	75	Resp:	41386
Ion	Ratio	Lower	Upper
75	100		
53	87.0	78.5	117.7
89	44.4	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.788 ug/l

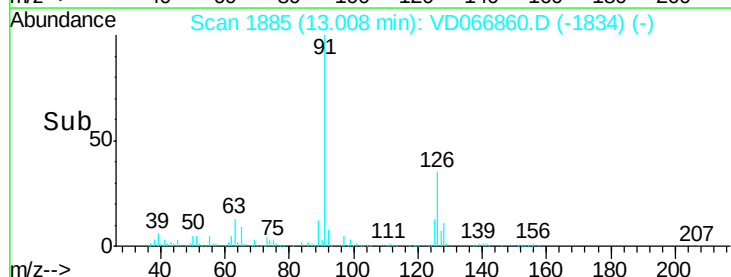
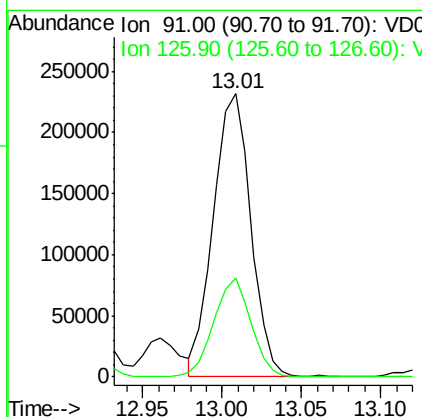
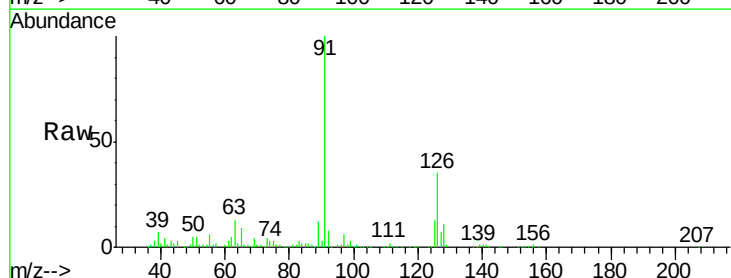
RT: 13.01 min Scan# 1885

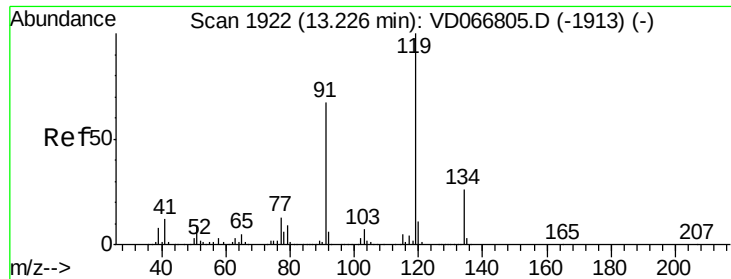
Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Tgt Ion:	91	Resp:	378333
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.1	51.2





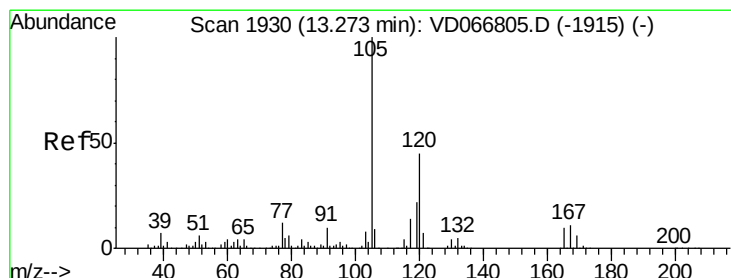
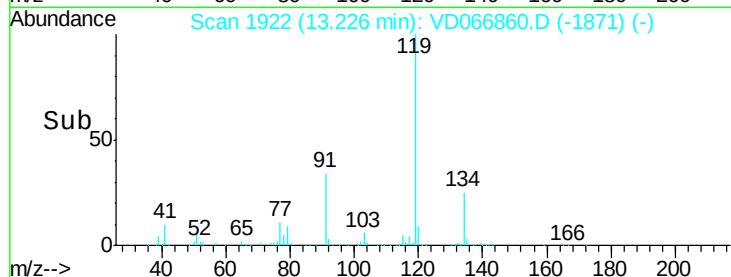
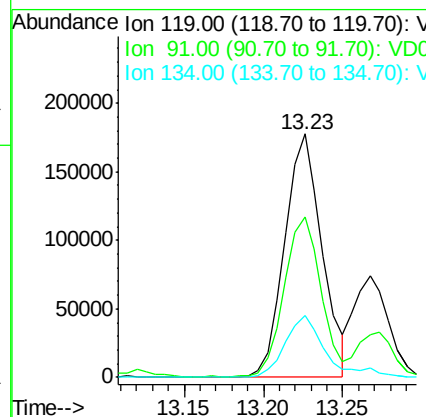
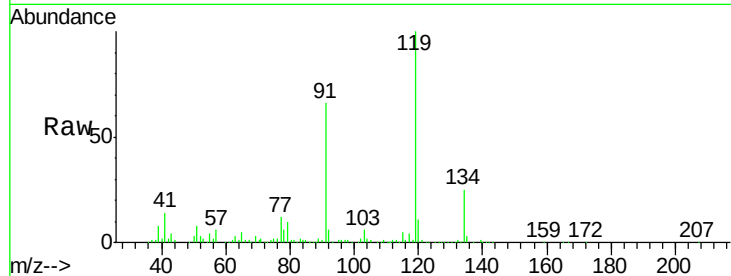
#83
tert-Butylbenzene
Concen: 41.900 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	289729		
91	64.8		33.6	100.8
134	27.6		13.5	40.4

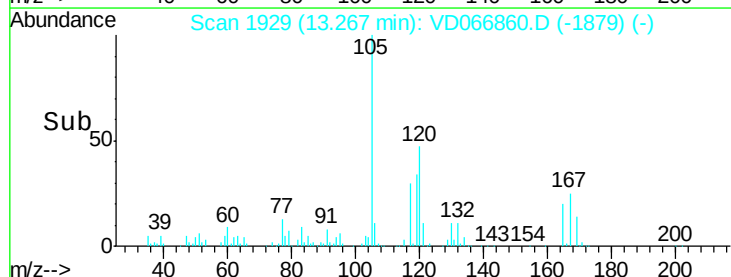
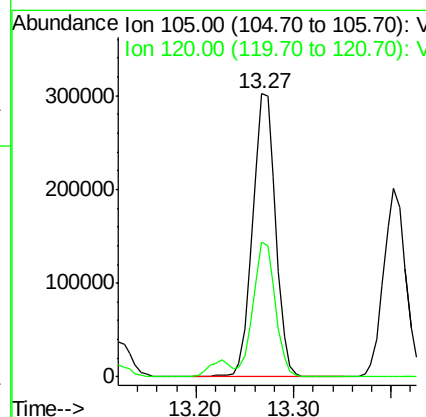
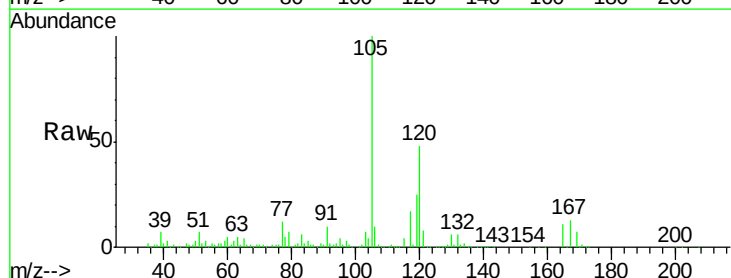
Manual Integrations
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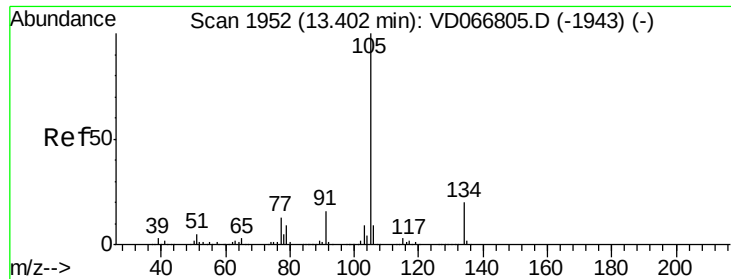
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#84
1,2,4-Trimethylbenzene
Concen: 60.001 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	500673		
120	46.0		22.3	66.9





#85

sec-Butylbenzene

Concen: 31.824 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

Tot Ion:105 Resp: 316440

Ion Ratio Lower Upper

105 100

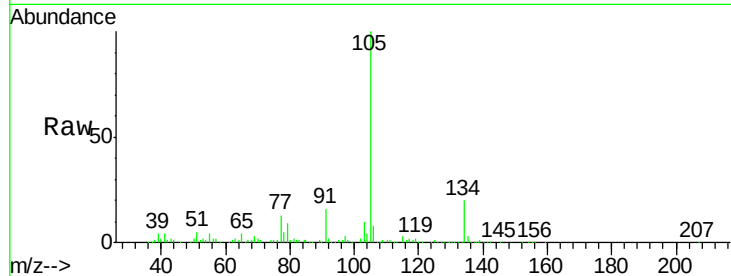
134 20.8 10.2 30.6

Manual Integrations

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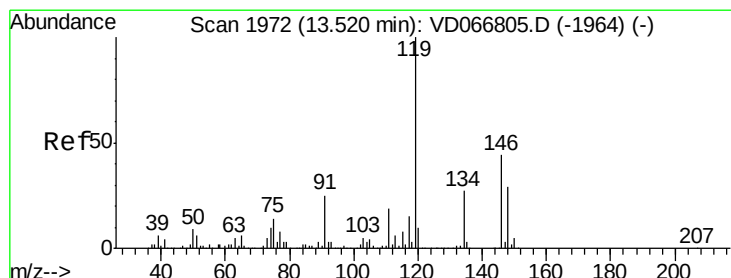
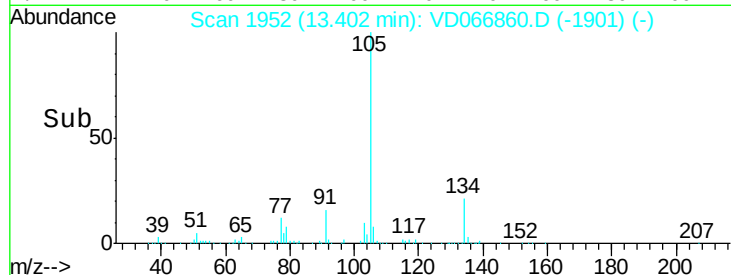
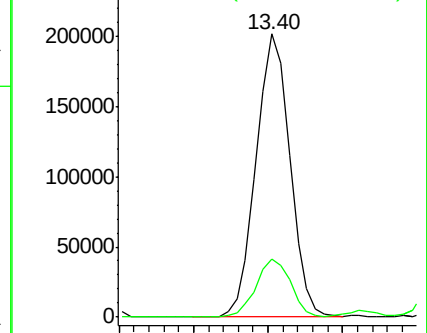
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 33.387 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

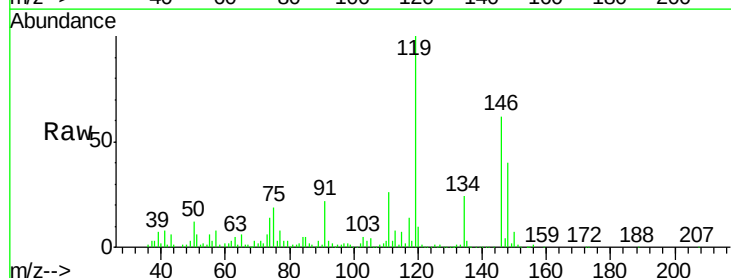
Tgt Ion:119 Resp: 299247

Ion Ratio Lower Upper

119 100

134 24.6 13.0 38.9

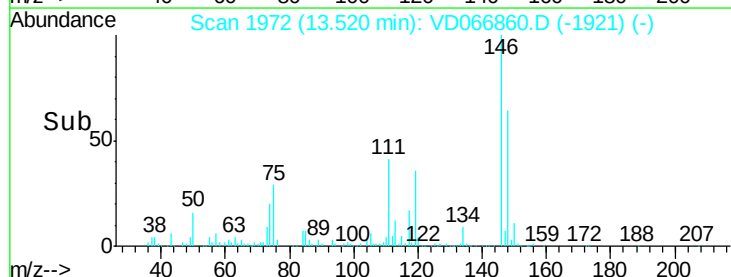
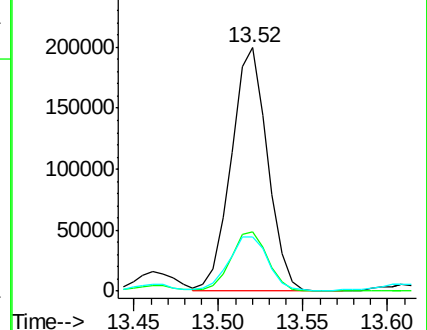
91 24.0 12.0 36.1

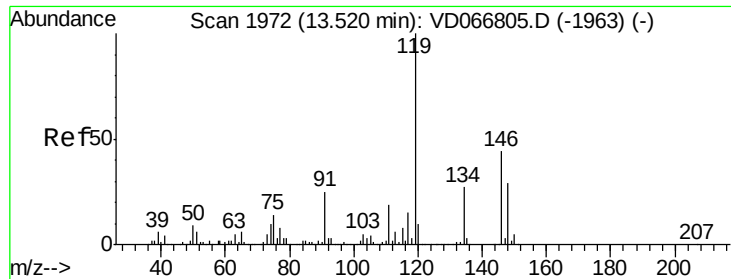


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





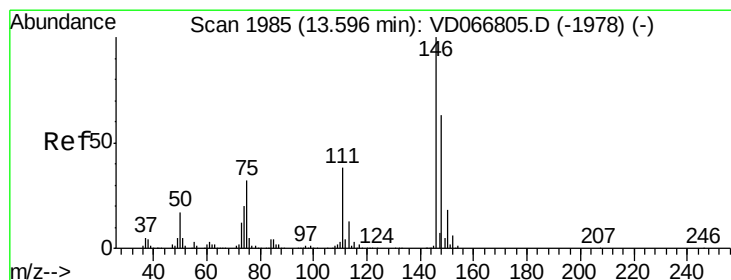
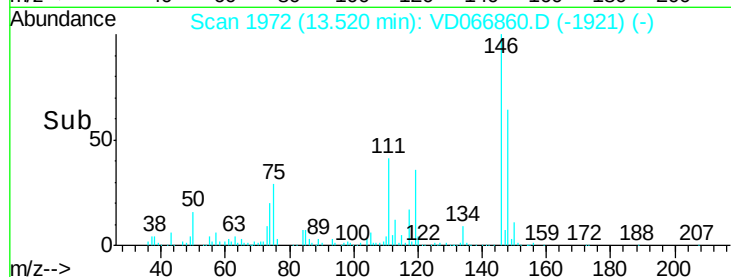
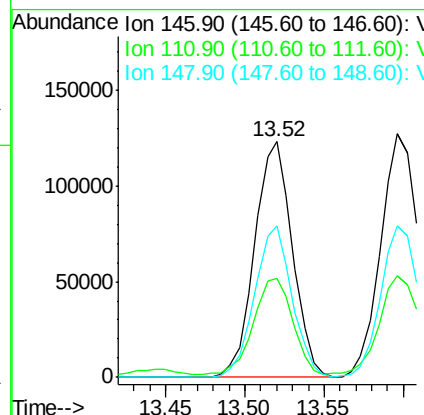
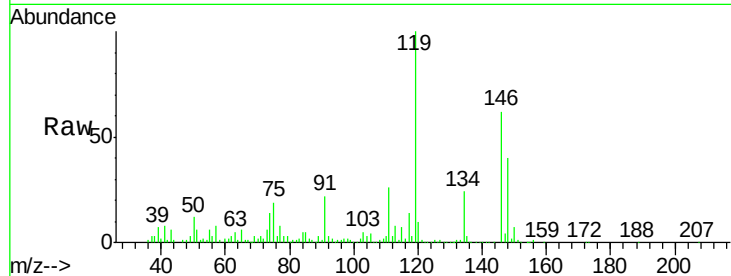
#87
 1,3-Dichlorobenzene
 Concen: 44.583 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204297		
111	42.8	20.3	60.9	
148	63.4	31.9	95.5	

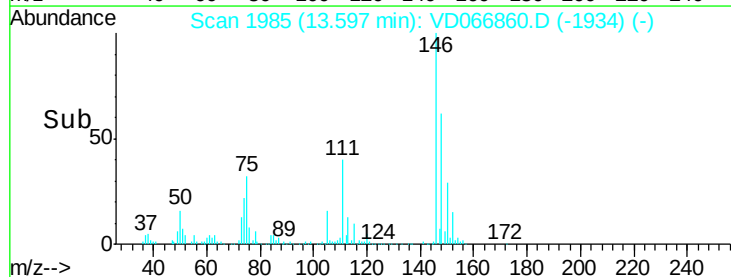
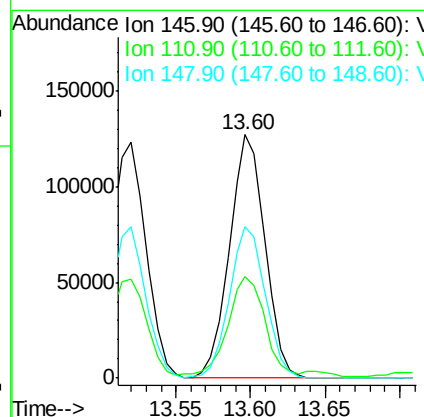
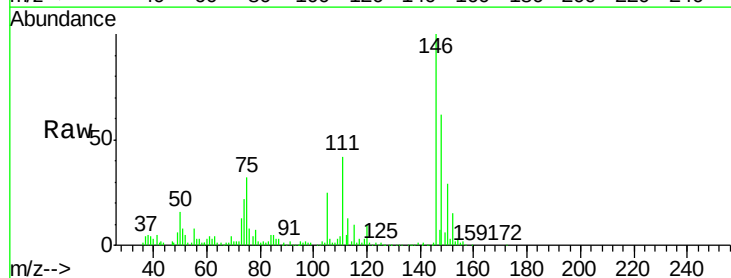
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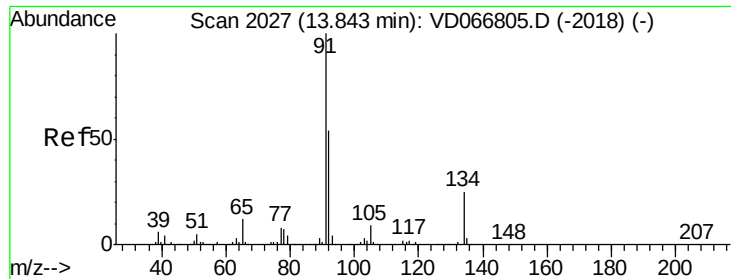
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#88
 1,4-Dichlorobenzene
 Concen: 46.460 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	211452		
111	41.1	20.2	60.5	
148	62.9	31.6	94.7	





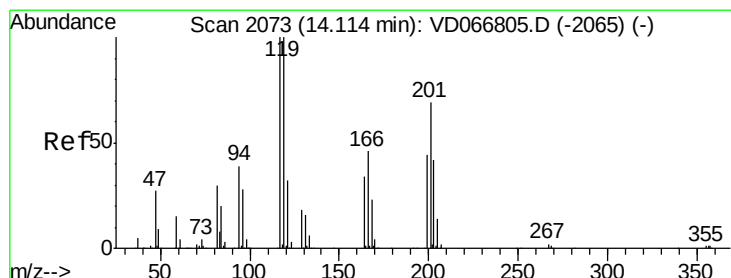
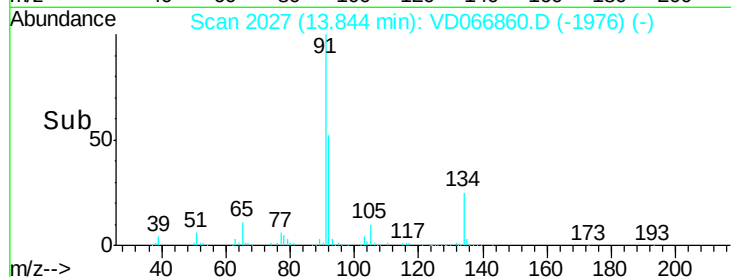
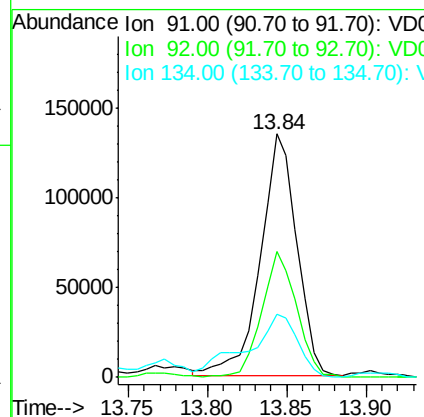
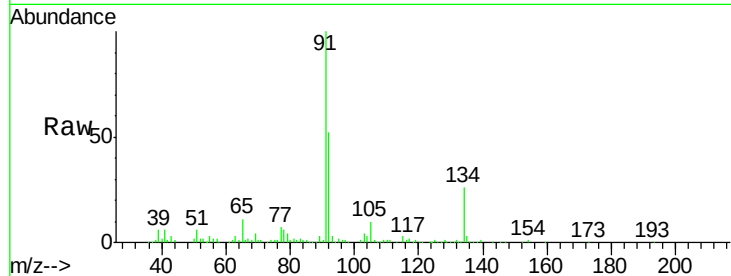
#89
n-Butylbenzene
Concen: 25.132 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	214104		
92	49.4	26.7	80.0	
134	36.3	13.1	39.1	

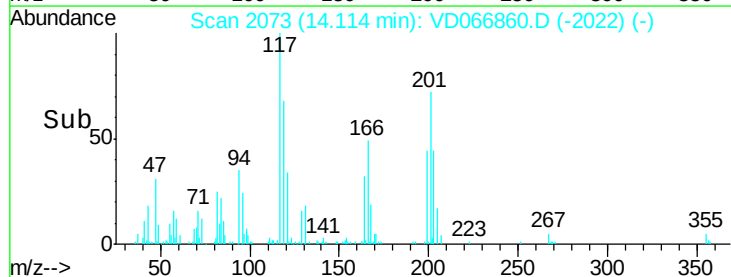
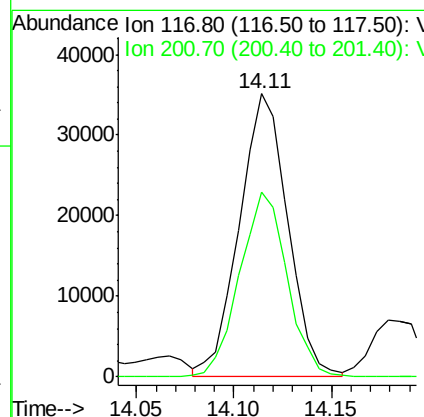
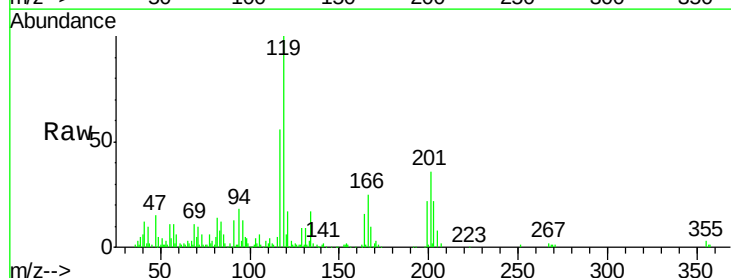
Manual Integrations
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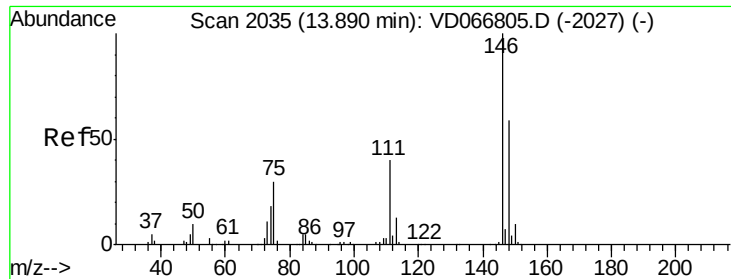
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#90
Hexachloroethane
Concen: 32.979 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	60010		
201	64.2	33.7	101.0	





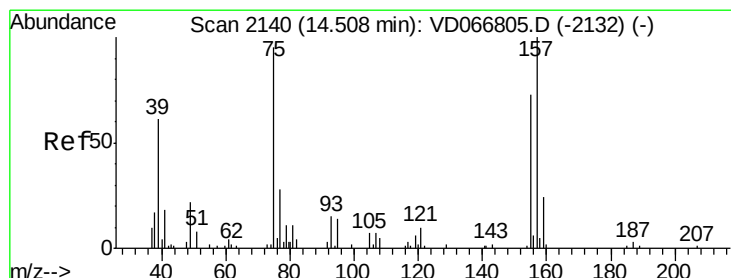
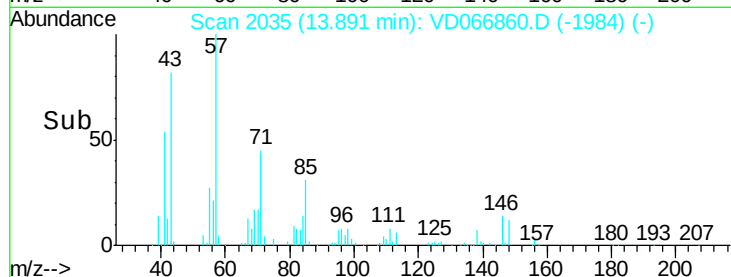
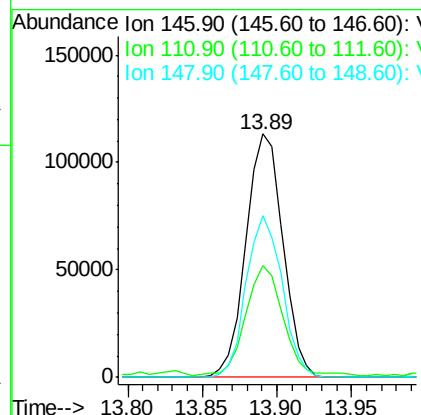
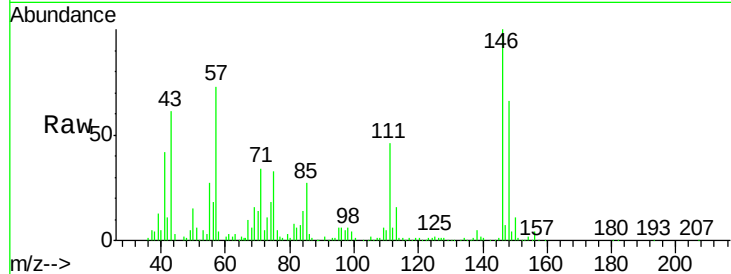
#91
 1,2-Dichlorobenzene
 Concen: 49.417 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	193739		
111	46.4	20.9	62.7	
148	64.9	31.8	95.3	

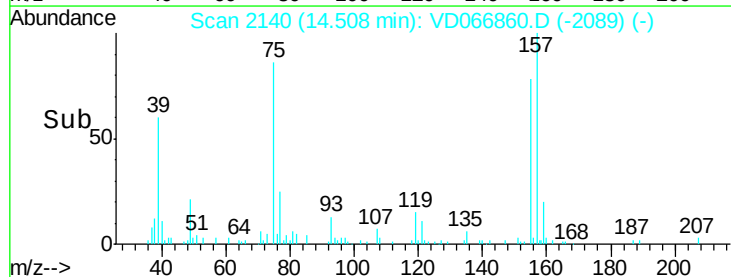
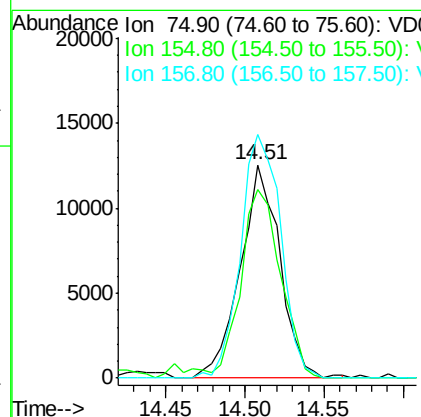
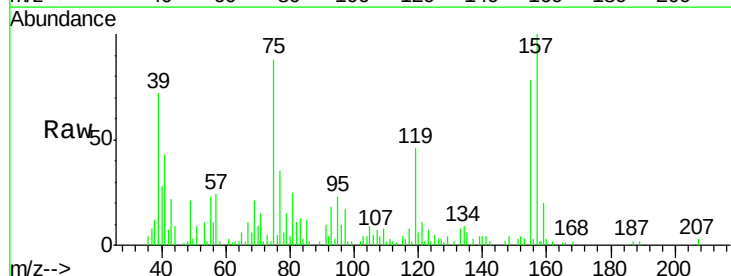
Manual Integrations
 APPROVED

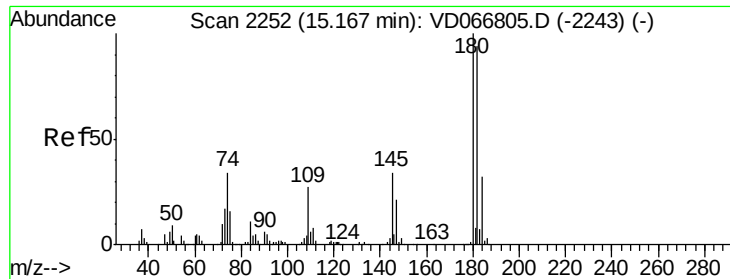
MMDadoda
 9/25/2020 4:00:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 79.263 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066860.D
 Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21820		
155	88.5	40.4	121.2	
157	115.9	51.3	153.9	





#93

1,2,4-Trichlorobenzene

Concen: 21.739 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Instrument :

MSVOA_D

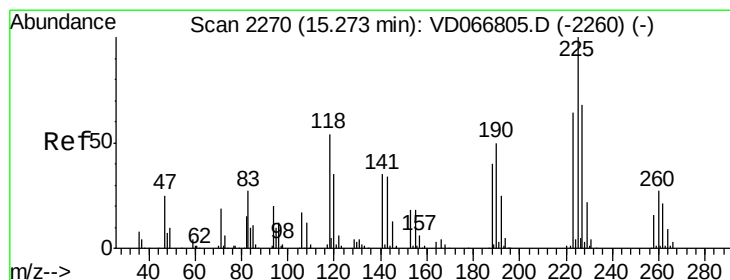
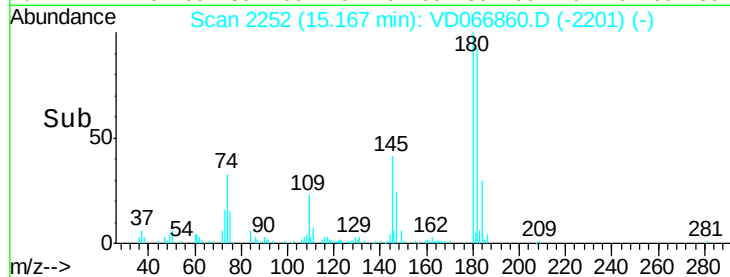
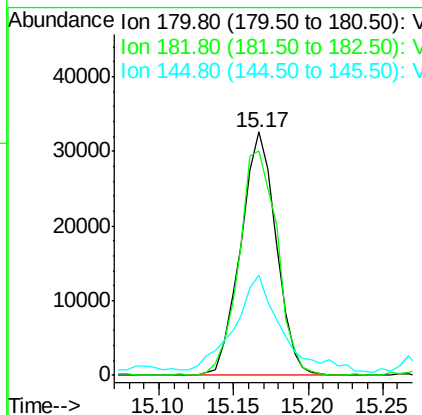
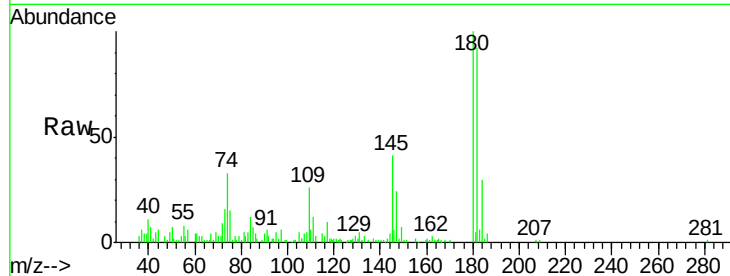
ClientSampleId :

B-2(4-5)MSD

Tot Ion:	180	Resp:	53652
Ion Ratio	Lower	Upper	
180	100		
182	99.7	48.8	146.3
145	57.3	16.7	50.0#

Manual Integrations
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MMDadoda
9/25/2020 4:00:16 PM



#94

Hexachlorobutadiene

Concen: 10.806 ug/l

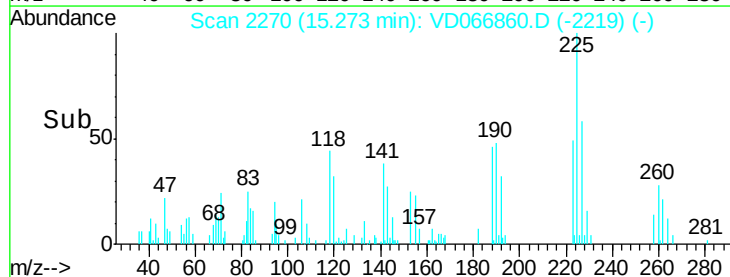
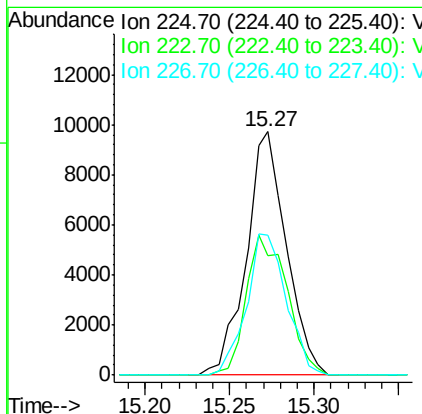
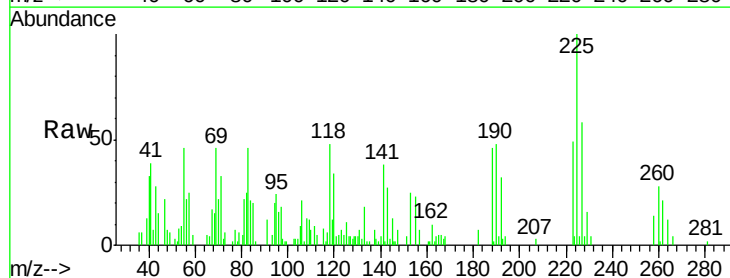
RT: 15.27 min Scan# 2270

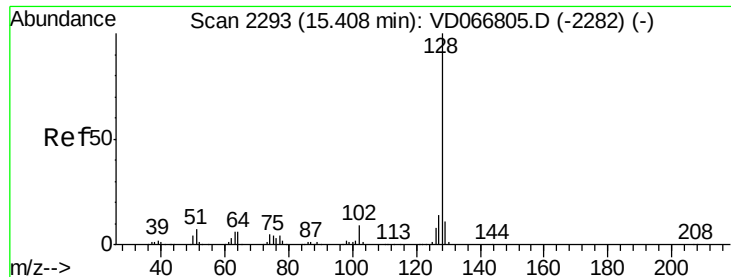
Delta R.T. 0.00 min

Lab File: VD066860.D

Acq: 24 Sep 2020 19:23

Tgt Ion:	225	Resp:	15981
Ion Ratio	Lower	Upper	
225	100		
223	58.7	31.1	93.3
227	57.8	31.7	95.1





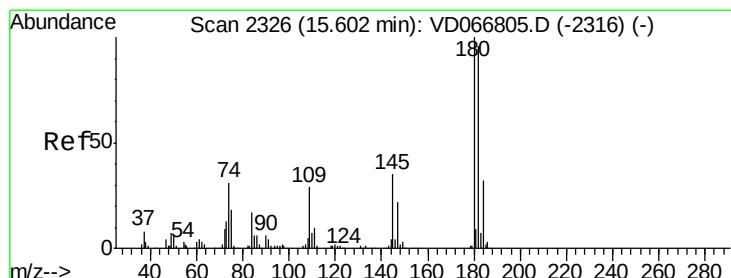
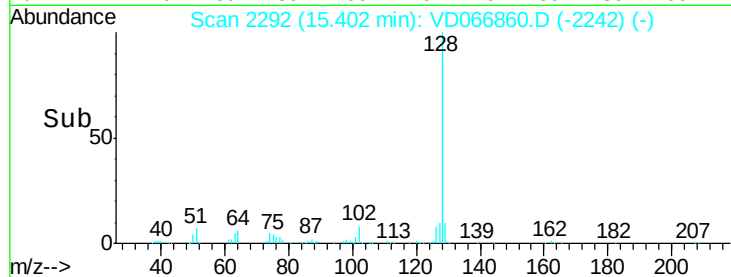
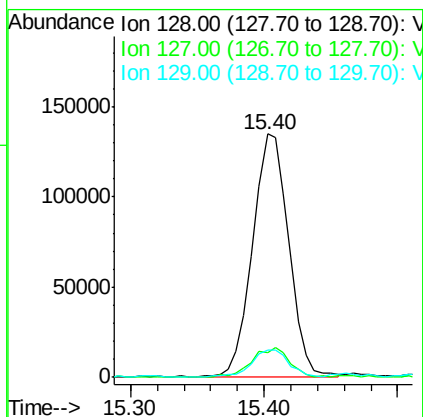
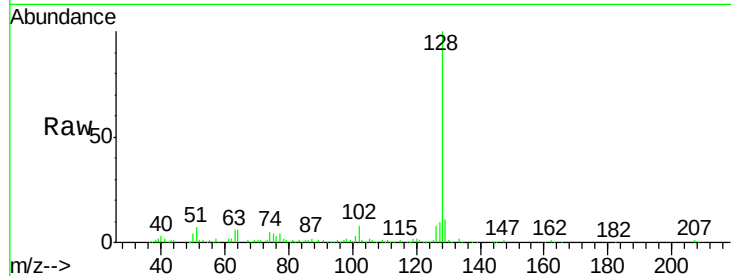
#95
Naphthalene
Concen: 59.958 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	251228		
127	13.0		10.6	16.0
129	11.9		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/25/2020 4:00:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.145 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066860.D
Acq: 24 Sep 2020 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47171		
182	93.7		46.8	140.3
145	60.6		17.0	51.0#

