

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066716.D
 Acq On : 16 Sep 2020 13:42
 Operator : VA/SY
 Sample : VD0916SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Manual Integrations
 APPROVED

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 9/17/2020 1:05:05 PM

Quant Time: Sep 17 01:02:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	414418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	693730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	631416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232524	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	7.91	113	217545	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.34	98	781189	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.63	95	267184	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76811	22.429	ug/l	90
3) Chloromethane	2.21	50	93957	20.834	ug/l	99
4) Vinyl Chloride	2.35	62	97246	20.604	ug/l	97
5) Bromomethane	2.76	94	68831	20.558	ug/l	96
6) Chloroethane	2.92	64	61104	20.782	ug/l	92
7) Trichlorofluoromethane	3.27	101	162083	19.882	ug/l	96
8) Diethyl Ether	3.71	74	41829	20.491	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	88286	19.706	ug/l	100
10) Methyl Iodide	4.30	142	85434	20.098	ug/l	97
11) Tert butyl alcohol	5.20	59	42670	110.283	ug/l	100
12) 1,1-Dichloroethene	4.07	96	79586	19.193	ug/l	95
13) Acrolein	3.93	56	32690	104.828	ug/l	97
14) Allyl chloride	4.71	41	130285	19.564	ug/l	99
15) Acrylonitrile	5.43	53	88059	98.472	ug/l	97
16) Acetone	4.16	43	87017	96.642	ug/l	99
17) Carbon Disulfide	4.41	76	264501	20.299	ug/l	99
18) Methyl Acetate	4.71	43	40727	18.952	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	188343	20.392	ug/l	95
20) Methylene Chloride	4.96	84	104781	16.753	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	95462	19.760	ug/l	92
22) Diisopropyl ether	6.36	45	281575	20.809	ug/l	97
23) Vinyl Acetate	6.30	43	779746	103.595	ug/l	98
24) 1,1-Dichloroethane	6.26	63	163825	19.079	ug/l	98
25) 2-Butanone	7.21	43	114186	97.390	ug/l	92
26) 2,2-Dichloropropane	7.20	77	151425	19.071	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	104575	19.786	ug/l	97
28) Bromochloromethane	7.54	49	70630	22.022	ug/l	96
29) Tetrahydrofuran	7.56	42	73330	102.223	ug/l	99
30) Chloroform	7.71	83	183906	20.124	ug/l	100
31) Cyclohexane	7.98	56	151393	19.384	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	164720	19.697	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138599	19.432	ug/l	99
37) Ethyl Acetate	7.29	43	56041	20.754	ug/l	97
38) Carbon Tetrachloride	8.10	117	146819	19.384	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	153927	18.867	ug/l	91
40) Benzene	8.34	78	375892	19.480	ug/l	94
41) Methacrylonitrile	7.53	41	29019	20.300	ug/l #	63
42) 1,2-Dichloroethane	8.42	62	119341	19.963	ug/l	99
43) Isopropyl Acetate	8.44	43	100623	19.798	ug/l	98
44) Trichloroethene	9.11	130	101734	19.719	ug/l	100
45) 1,2-Dichloropropane	9.38	63	92814	19.456	ug/l	92
46) Dibromomethane	9.47	93	52820	20.150	ug/l	97
47) Bromodichloromethane	9.66	83	140595	19.683	ug/l	98
48) Methyl methacrylate	9.45	41	48489	18.757	ug/l #	86
49) 1,4-Dioxane	9.46	88	10910	388.534	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	261395	99.900	ug/l	99
52) Toluene	10.40	92	243791	19.722	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	127299	19.950	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	150800	19.897	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	69999	20.253	ug/l	95
56) Ethyl methacrylate	10.66	69	80082	20.418	ug/l	95
57) 1,3-Dichloropropane	10.94	76	120296	19.833	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	205373	119.226	ug/l	100
59) 2-Hexanone	10.98	43	171361	97.469	ug/l	98
60) Dibromochloromethane	11.14	129	87845	19.506	ug/l	95
61) 1,2-Dibromoethane	11.24	107	66953	20.195	ug/l	98
64) Tetrachloroethene	10.87	164	80427	18.659	ug/l	93
65) Chlorobenzene	11.67	112	254385	19.459	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	94291	19.548	ug/l	98
67) Ethyl Benzene	11.74	91	450025	19.005	ug/l	96
68) m/p-Xylenes	11.85	106	341191	38.124	ug/l	98
69) o-Xylene	12.18	106	151266	19.126	ug/l	99
70) Styrene	12.19	104	268719	19.305	ug/l	98
71) Bromoform	12.36	173	46435	19.183	ug/l #	99
73) Isopropylbenzene	12.48	105	424291	19.453	ug/l	99
74) N-amyl acetate	12.28	43	91518	19.891	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	75382	20.339	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	46049m	18.413	ug/l	
77) Bromobenzene	12.76	156	97110	19.317	ug/l	99
78) n-propylbenzene	12.82	91	521232	19.604	ug/l	100
79) 2-Chlorotoluene	12.91	91	291550	19.393	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	360885	19.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23410	20.202	ug/l	98
82) 4-Chlorotoluene	13.00	91	316535	19.912	ug/l	98
83) tert-Butylbenzene	13.23	119	291250	19.161	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	362902	19.691	ug/l	98
85) sec-Butylbenzene	13.40	105	415316	19.059	ug/l	100
86) p-Isopropyltoluene	13.52	119	386059	19.487	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	187509	19.442	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	186384	19.407	ug/l	99
89) n-Butylbenzene	13.84	91	358421	19.027	ug/l	98
90) Hexachloroethane	14.11	117	77293	18.992	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	159427	19.292	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12428	20.744	ug/l	98

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ClientSampleId :
VD0916SBSD01

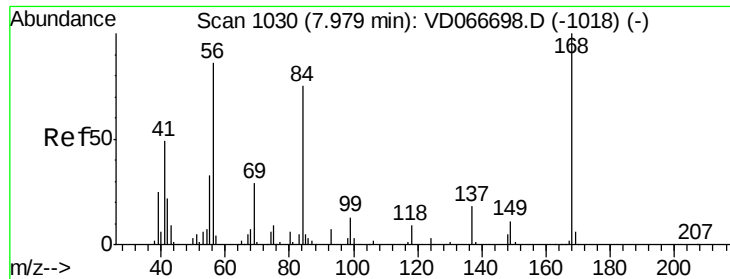
Manual Integrations
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9/17/2020 1:05:05 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96641	19.335	ug/l	99
94) Hexachlorobutadiene	15.27	225	56877	18.887	ug/l	98
95) Naphthalene	15.41	128	168555	19.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	83480	19.121	ug/l	96

(#) = 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: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion:168 Resp: 414418

Ion Ratio Lower Upper

168 100

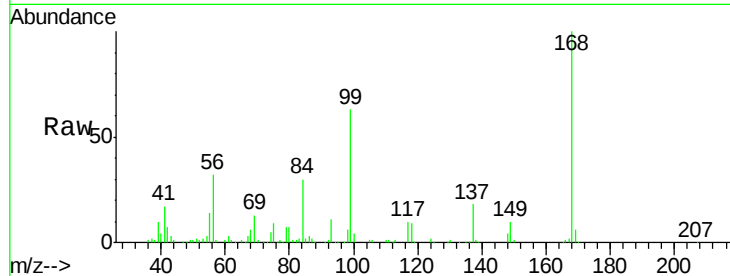
99 62.4 54.4 81.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

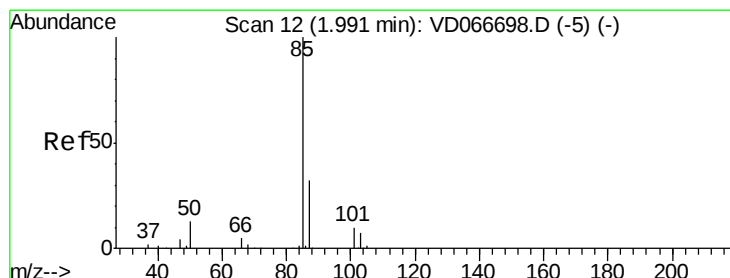
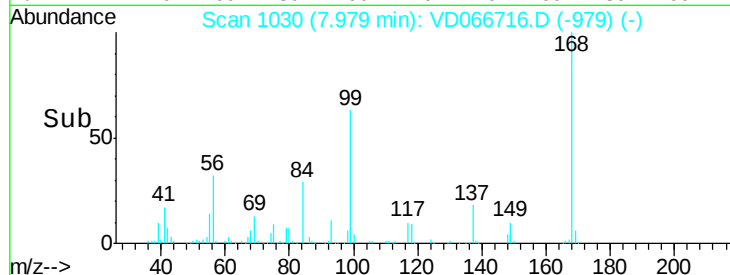
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.429 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066716.D

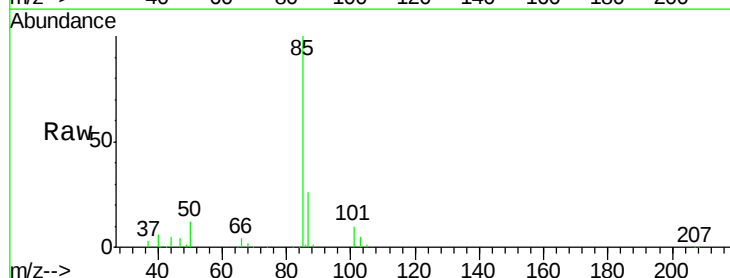
Acq: 16 Sep 2020 13:42

Tgt Ion: 85 Resp: 76811

Ion Ratio Lower Upper

85 100

87 26.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

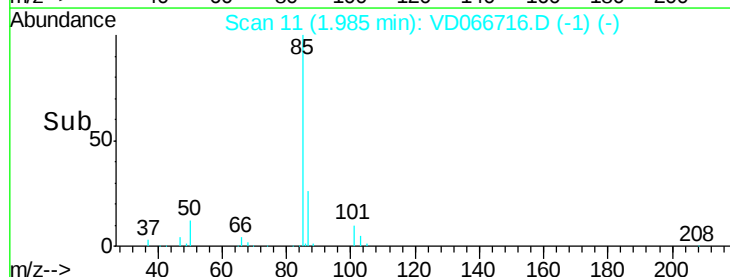
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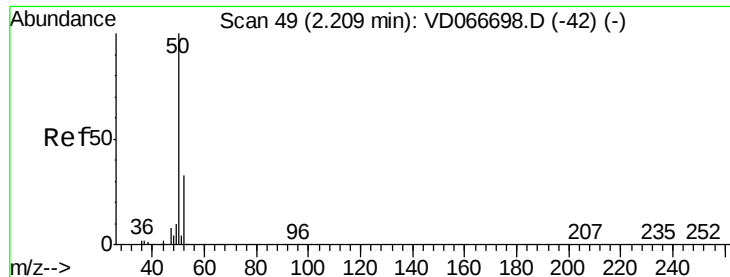
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.834 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 50 Resp: 93957

Ion Ratio Lower Upper

50 100

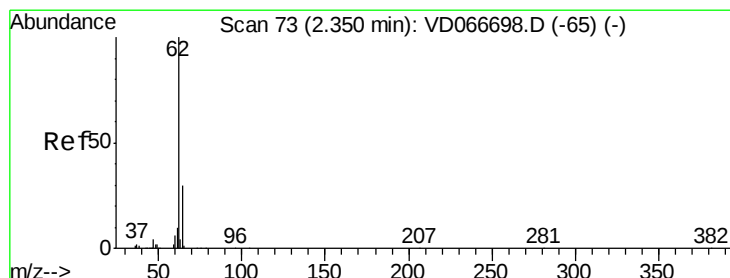
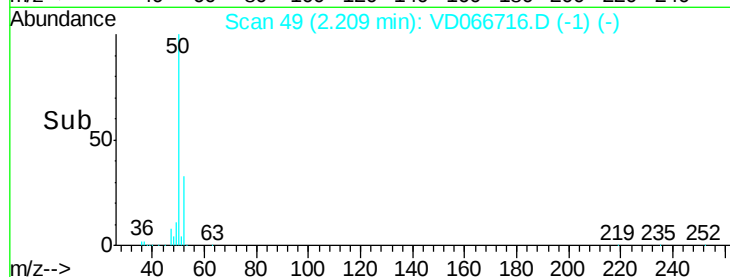
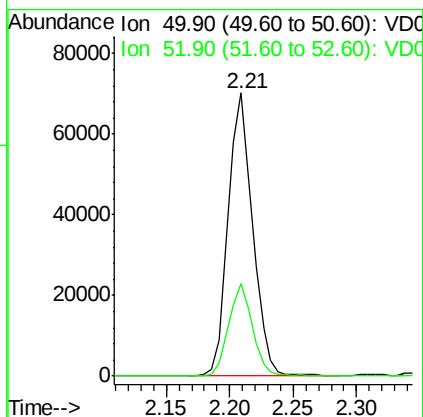
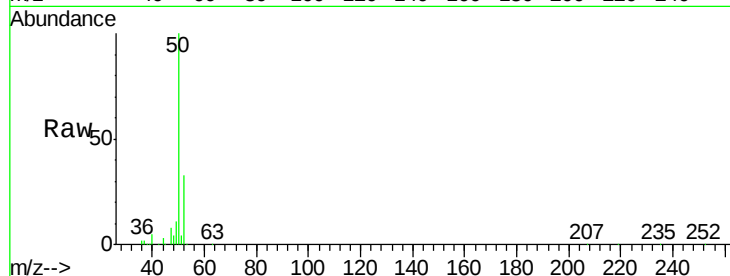
52 32.9 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.604 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066716.D

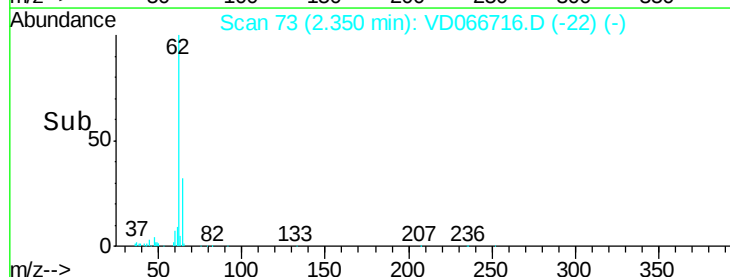
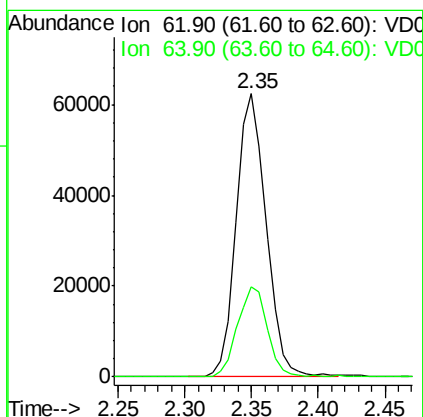
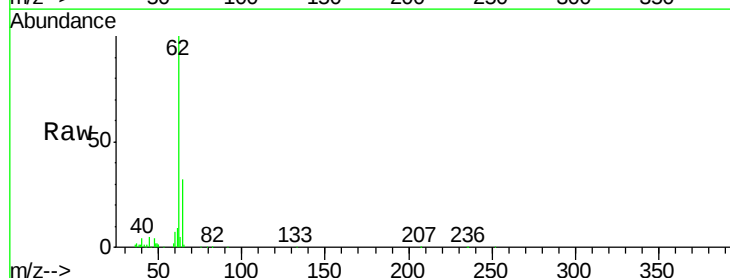
Acq: 16 Sep 2020 13:42

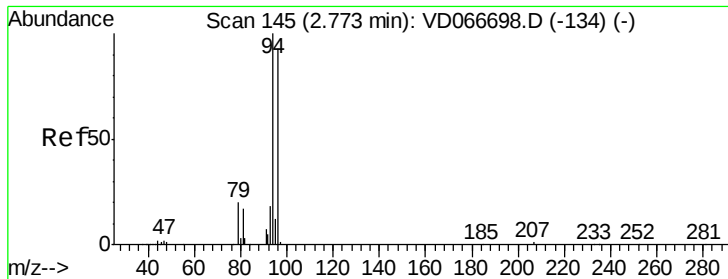
Tgt Ion: 62 Resp: 97246

Ion Ratio Lower Upper

62 100

64 32.0 24.4 36.6





#5

Bromomethane

Concen: 20.558 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 94 Resp: 68831

Ion Ratio Lower Upper

94 100

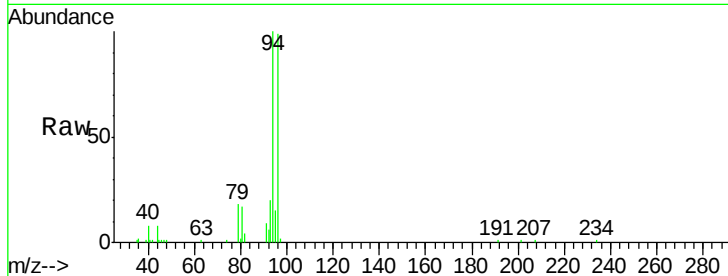
96 97.5 74.7 112.1

Manual Integrations

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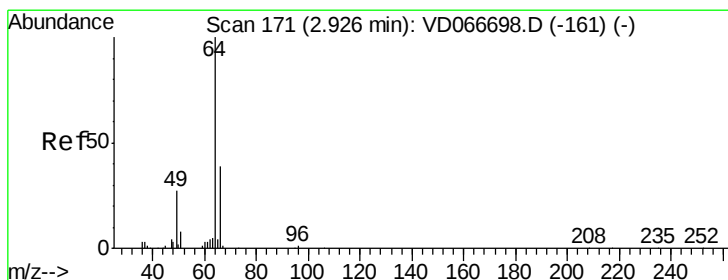
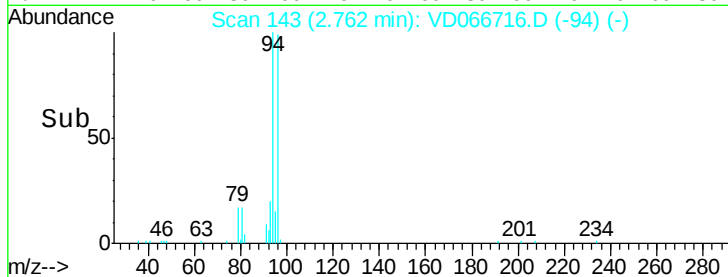
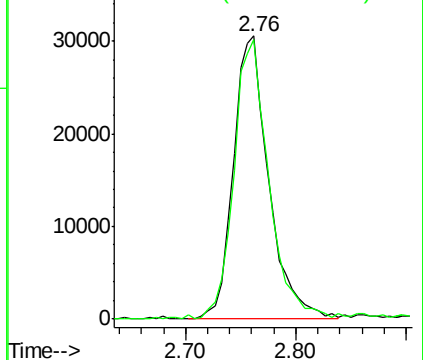
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.782 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066716.D

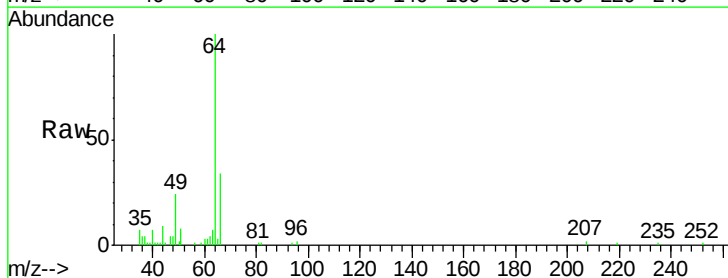
Acq: 16 Sep 2020 13:42

Tgt Ion: 64 Resp: 61104

Ion Ratio Lower Upper

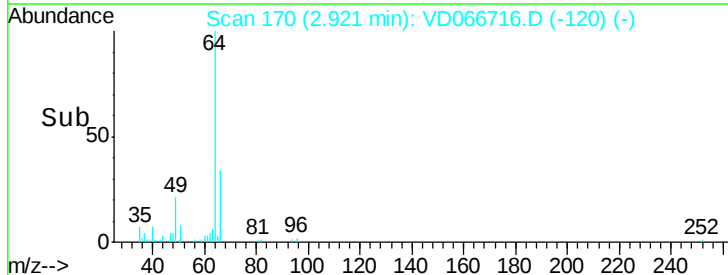
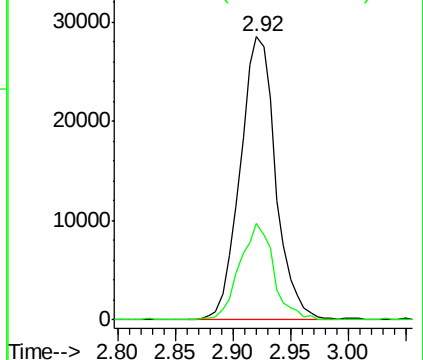
64 100

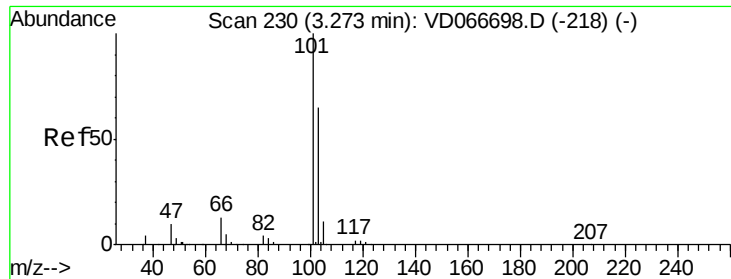
66 34.0 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

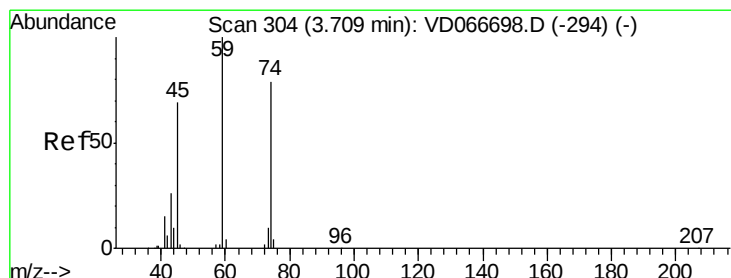
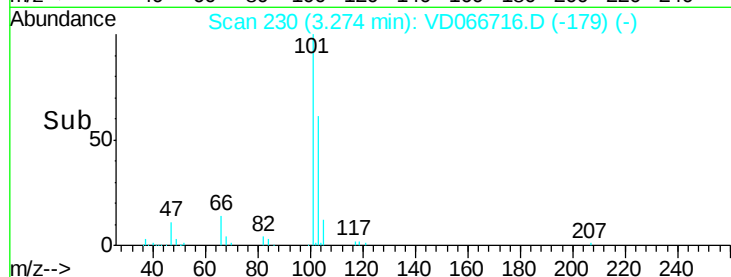
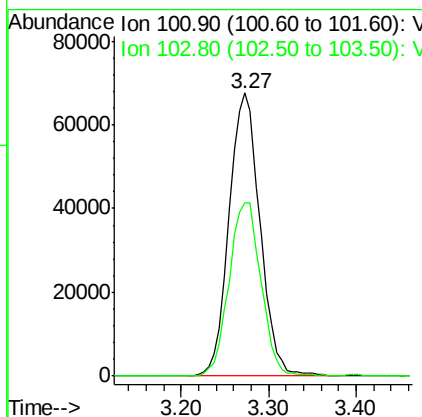
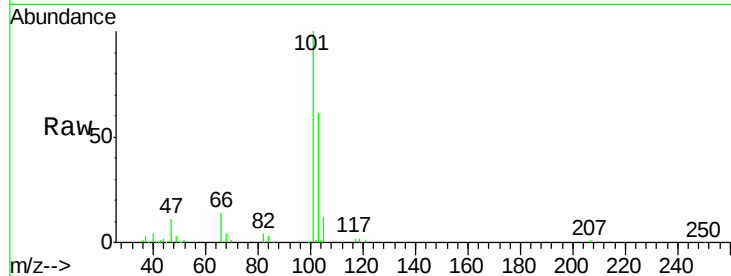
Trichlorofluoromethane
 Concen: 19.882 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

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 VD0916SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		162083		
103	61.3	51.8	77.8		

Manual Integrations
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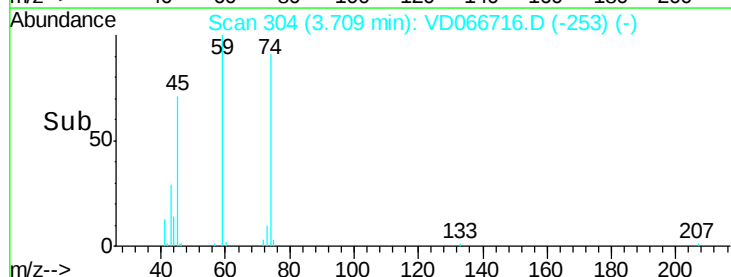
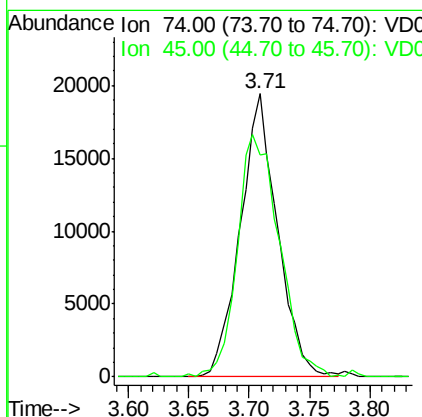
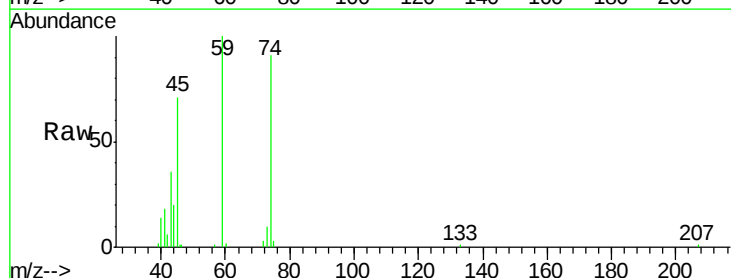
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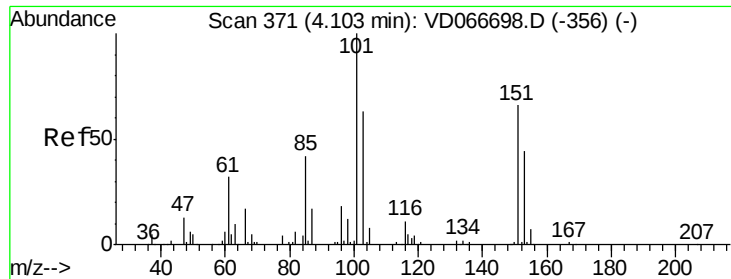


#8

Diethyl Ether
 Concen: 20.491 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		41829		
45	96.4	48.0	144.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.706 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

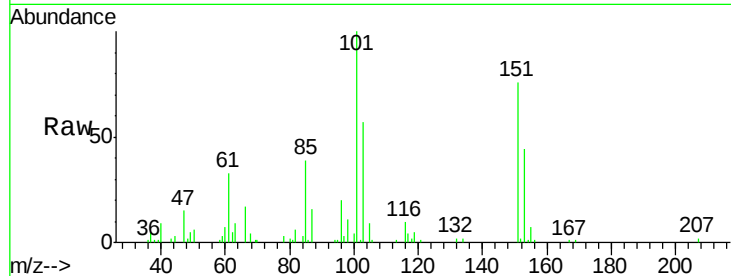
ClientSampleId :

VD0916SBSD01

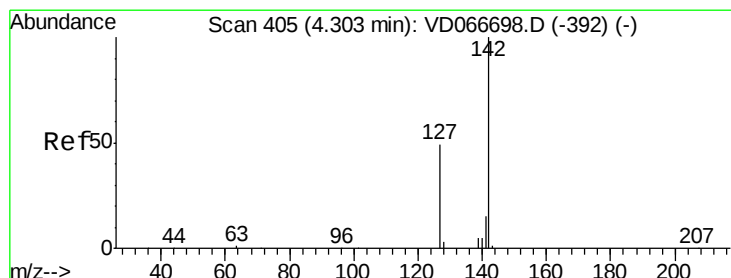
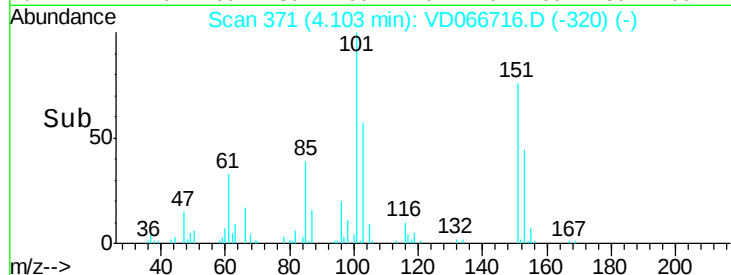
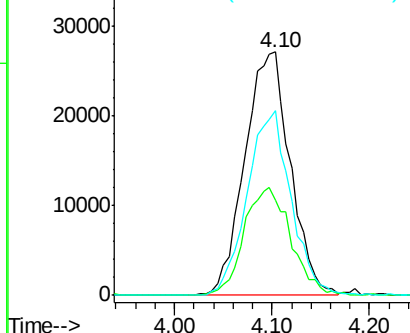
Tot Ion:	101	Resp:	88286
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.3	54.5
151	73.1	58.0	87.0

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



#10

Methyl Iodide

Concen: 20.098 ug/l

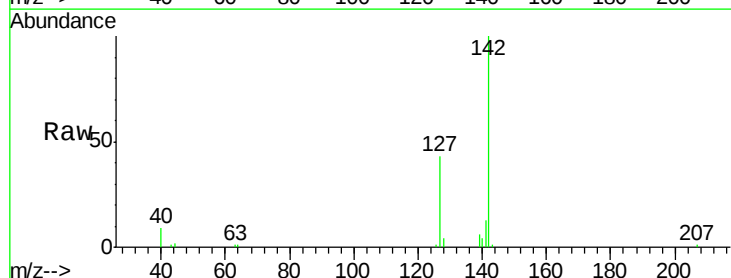
RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

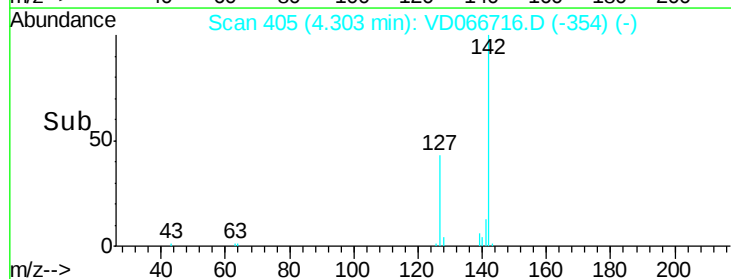
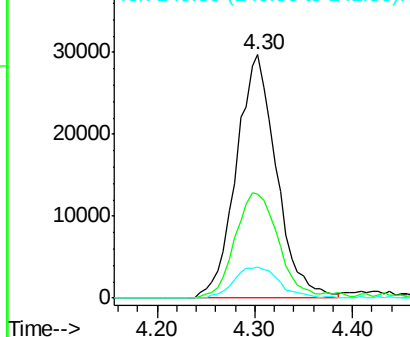
Lab File: VD066716.D

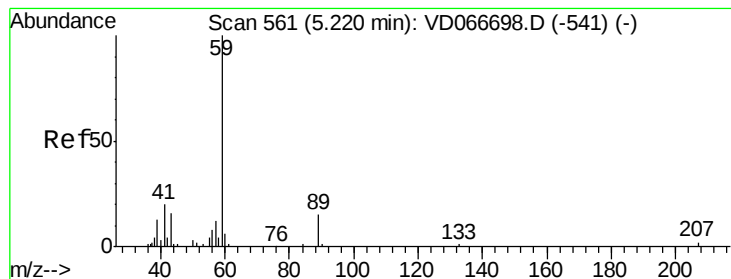
Acq: 16 Sep 2020 13:42

Tgt Ion:	142	Resp:	85434
Ion Ratio	Lower	Upper	
142	100		
127	46.3	39.0	58.4
141	14.3	11.7	17.5



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





#11

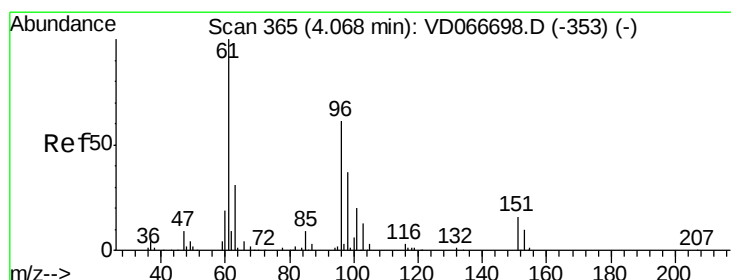
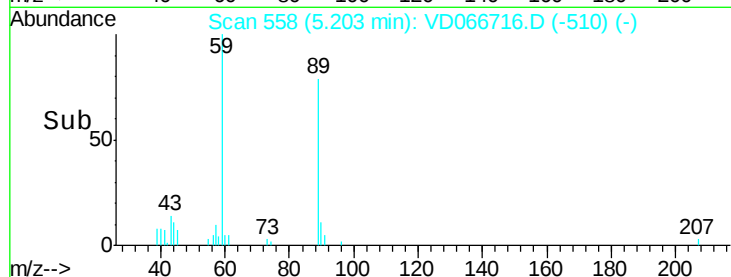
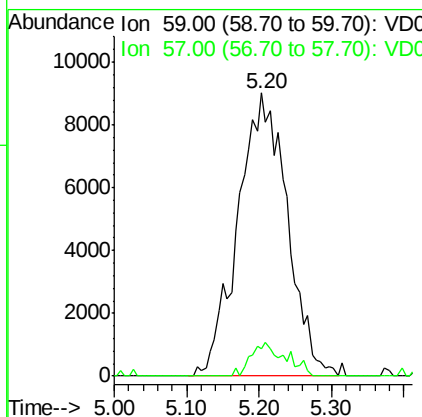
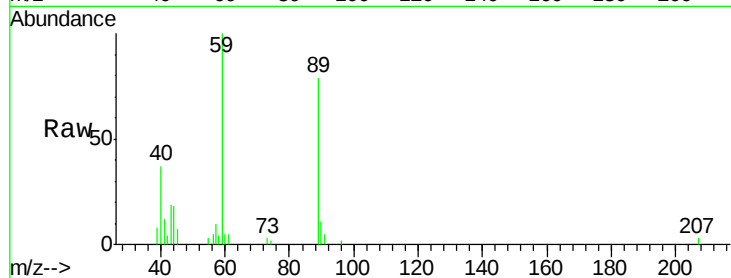
Tert butyl alcohol
Concen: 110.283 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	42670		
57	8.4	6.7	10.1	

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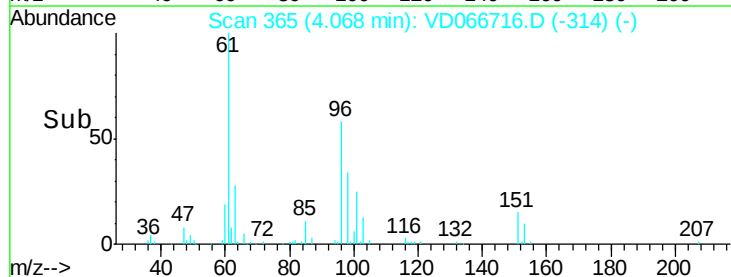
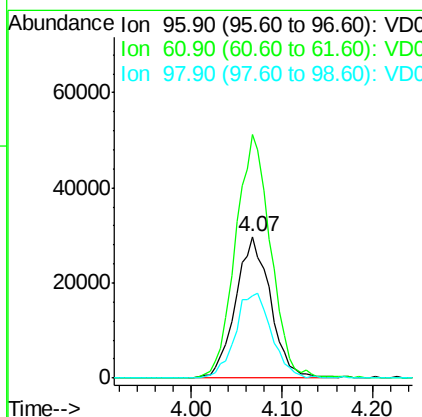
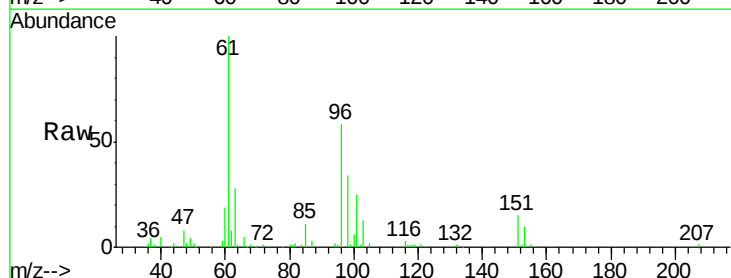
MMDadoda
9/17/2020 1:05:05 PM

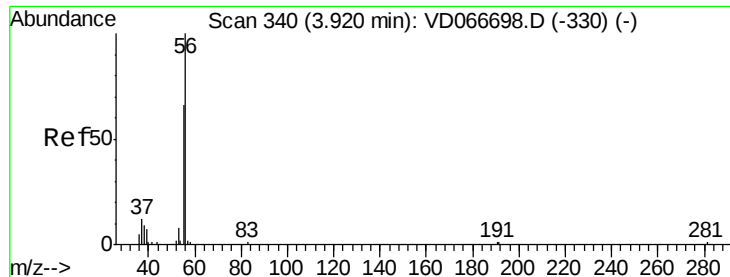


#12

1,1-Dichloroethene
Concen: 19.193 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	79586		
61	172.1	131.9	197.9	
98	58.6	49.1	73.7	





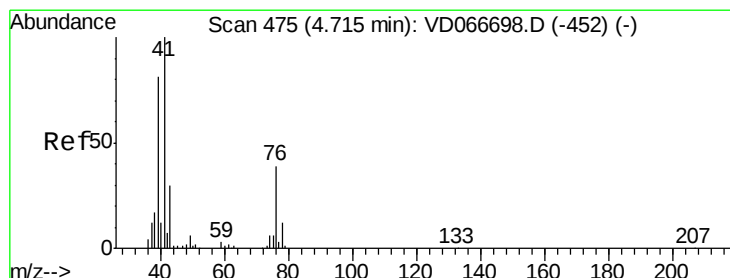
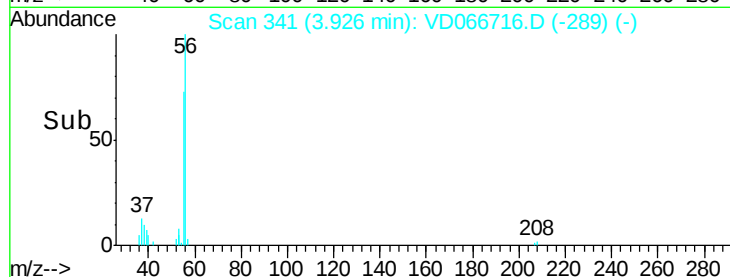
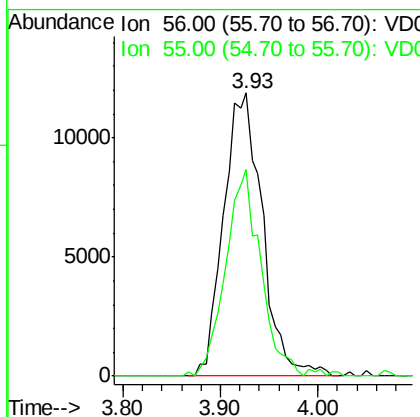
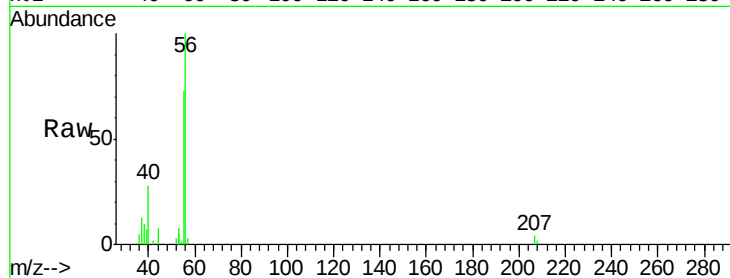
#13
Acrolein
Concen: 104.828 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion: 56 Resp: 32690
Ion Ratio Lower Upper
56 100
55 65.8 54.7 82.1

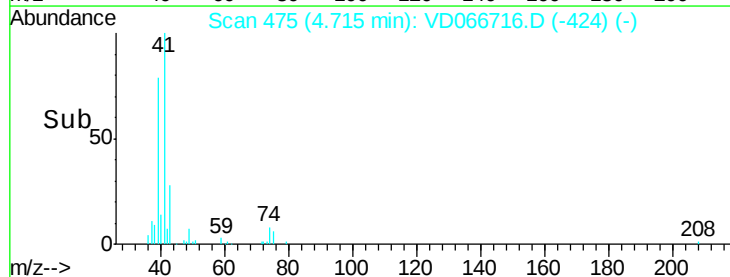
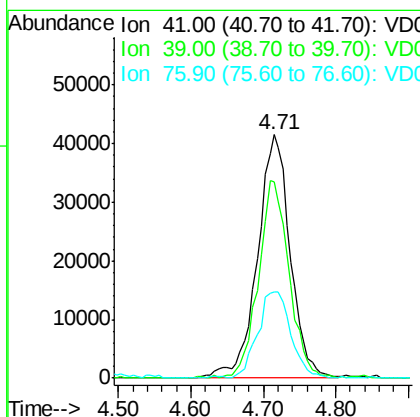
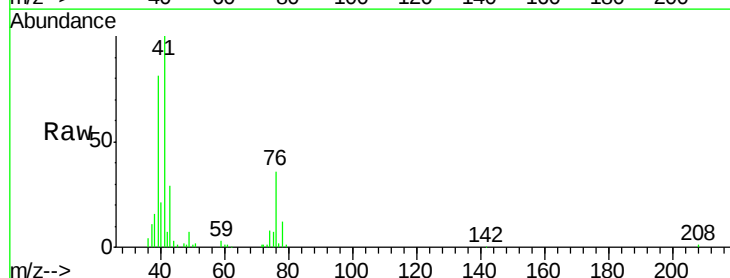
Manual Integrations
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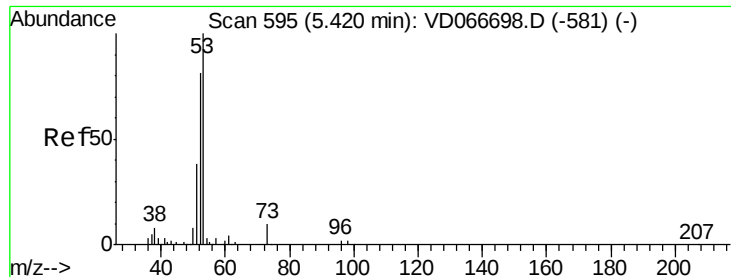
MMDadoda
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#14
Allyl chloride
Concen: 19.564 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion: 41 Resp: 130285
Ion Ratio Lower Upper
41 100
39 76.1 60.6 90.8
76 35.9 29.2 43.8





#15

Acrylonitrile

Concen: 98.472 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

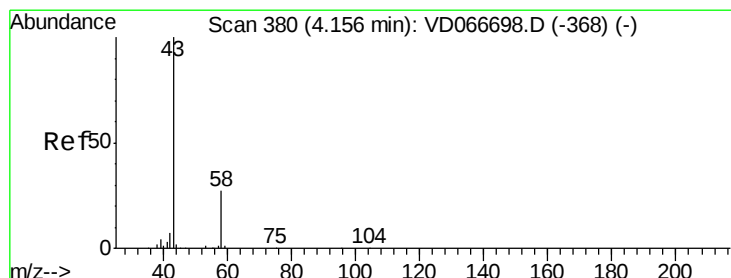
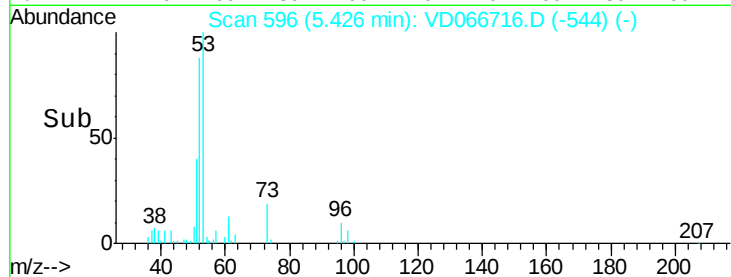
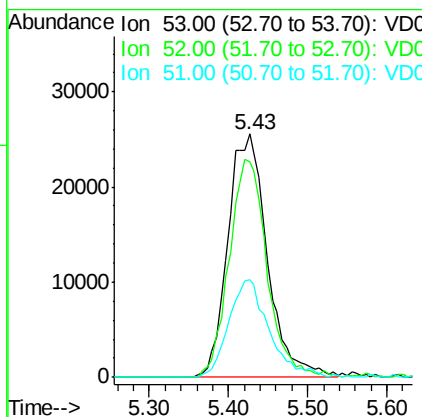
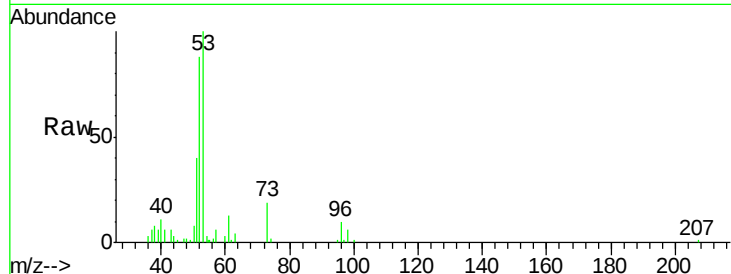
ClientSampleId :

VD0916SBS01

Tot Ion:	53	Resp:	88059
Ion Ratio	Lower	Upper	
53	100		
52	85.4	66.6	99.8
51	41.0	31.0	46.6

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#16

Acetone

Concen: 96.642 ug/l

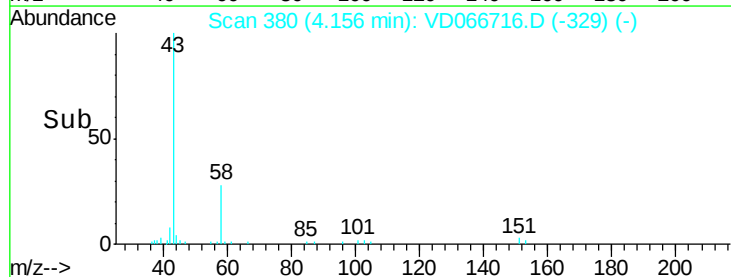
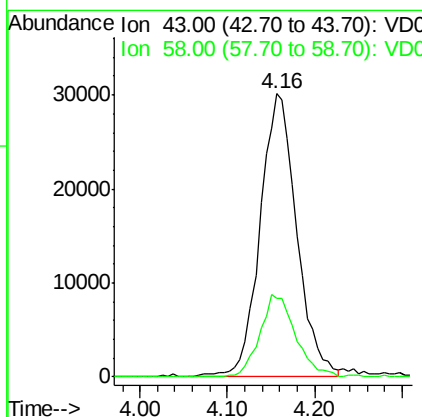
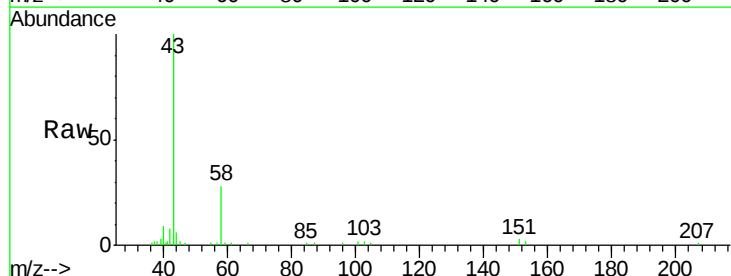
RT: 4.16 min Scan# 380

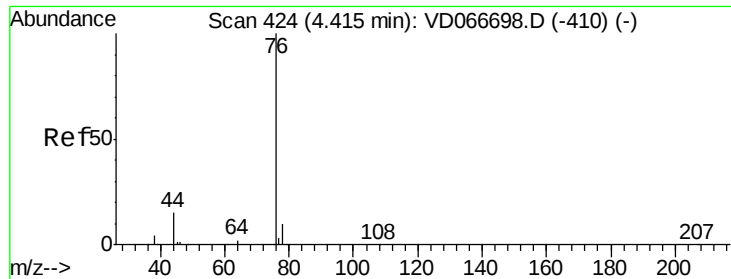
Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Tgt Ion:	43	Resp:	87017
Ion Ratio	Lower	Upper	
43	100		
58	27.9	21.9	32.9





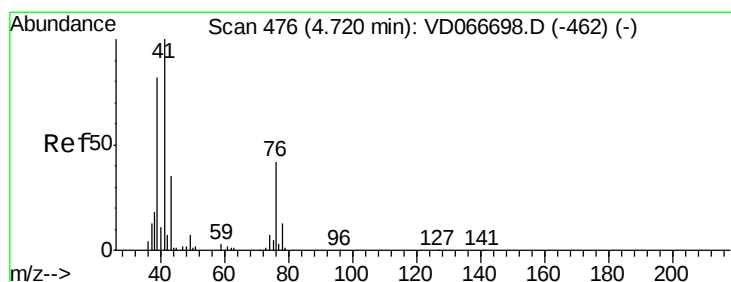
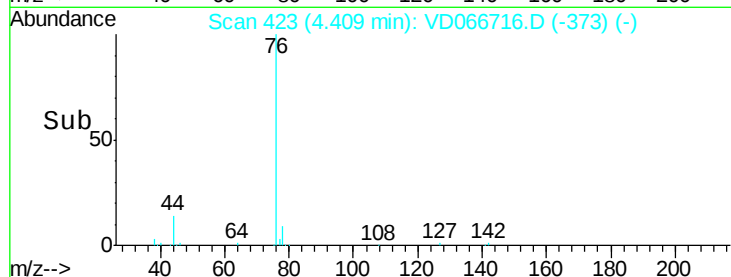
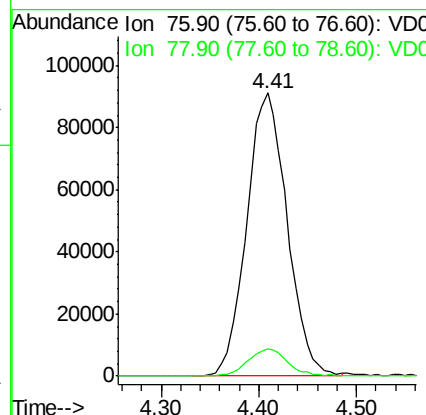
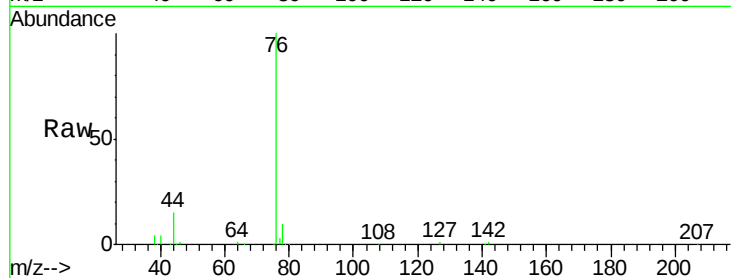
#17
Carbon Disulfide
Concen: 20.299 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	8.0	12.0

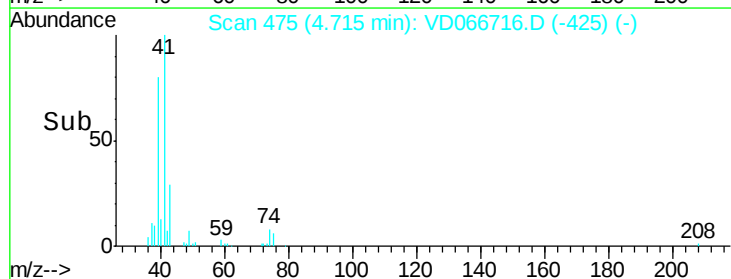
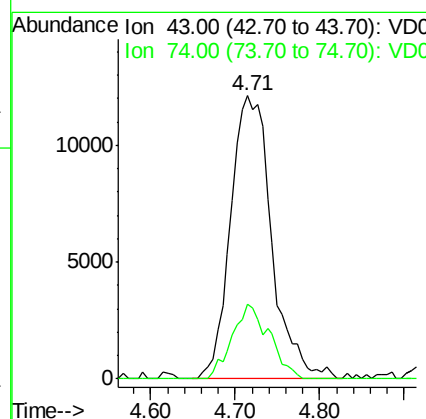
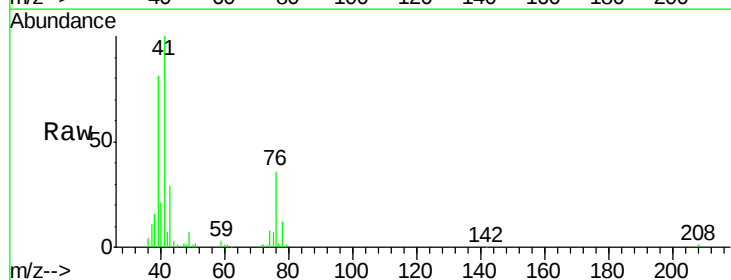
Manual Integrations
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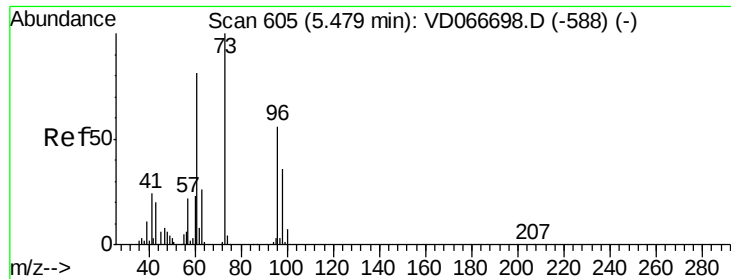
MMDadoda
9/17/2020 1:05:05 PM



#18
Methyl Acetate
Concen: 18.952 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.6	28.0





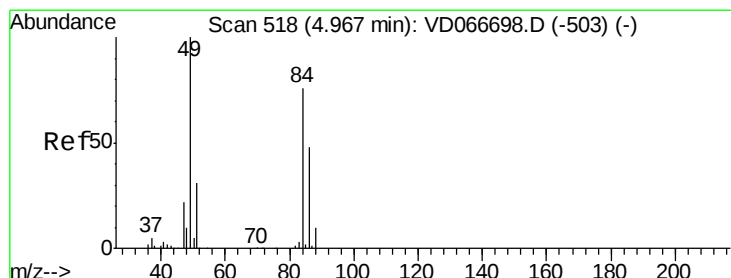
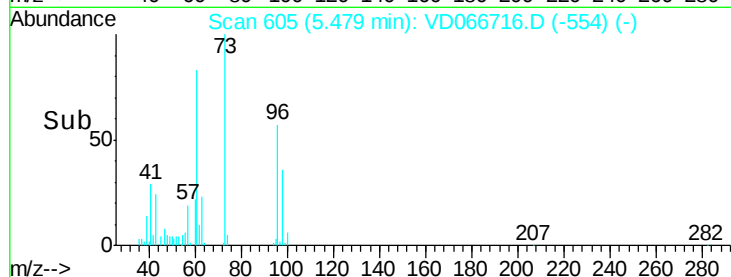
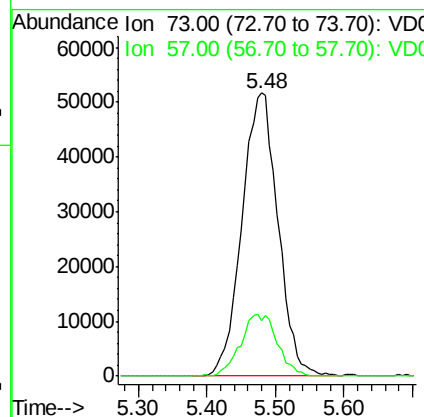
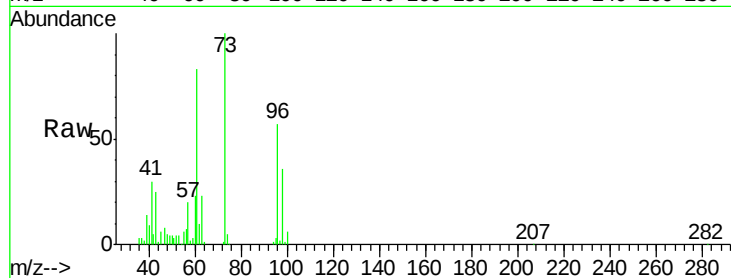
#19
Methvl tert-butvl Ether
Concen: 20.392 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.8	26.6

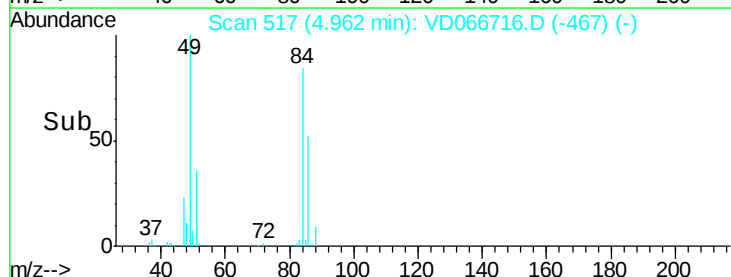
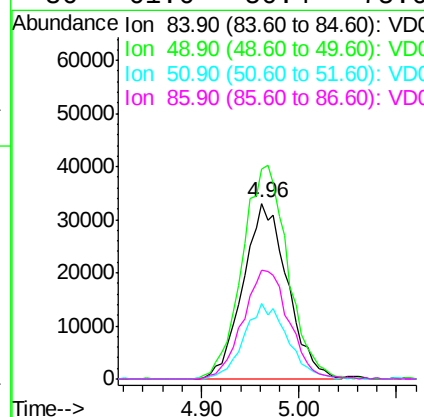
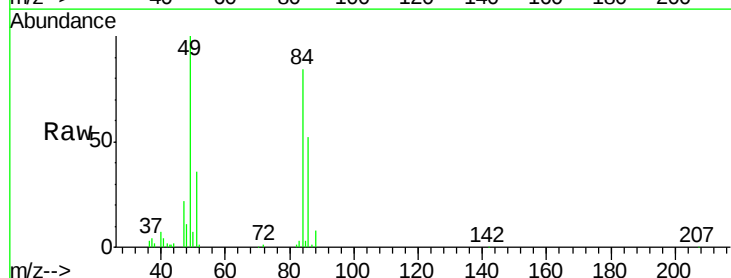
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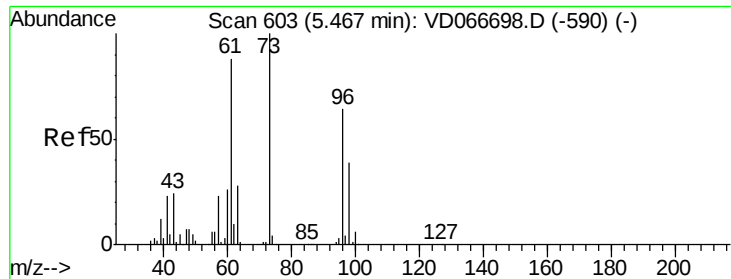
MMDadoda
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#20
Methylene Chloride
Concen: 16.753 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.6	105.0	157.6
51	42.7	32.2	48.4
86	61.6	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 19.760 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

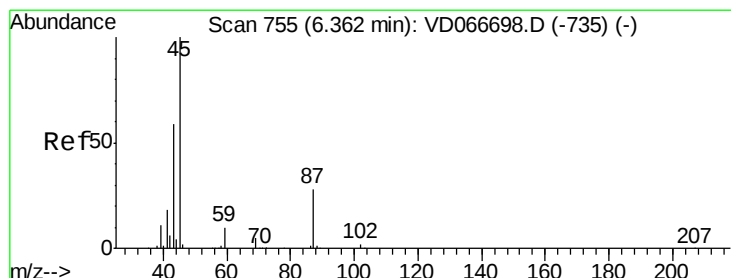
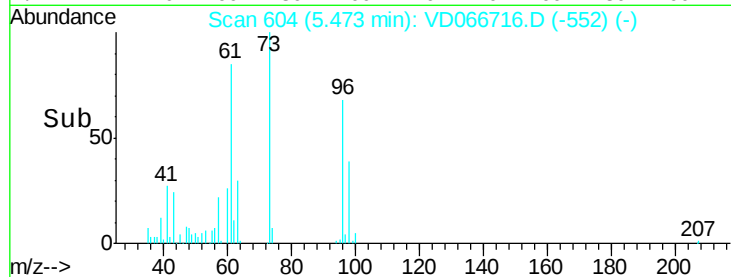
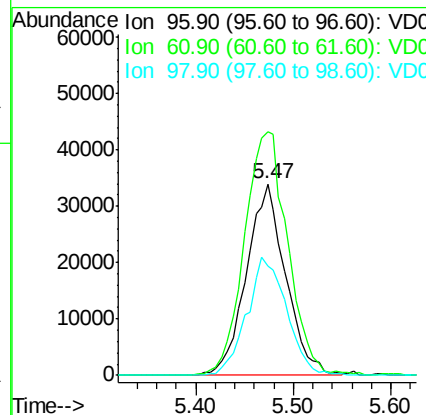
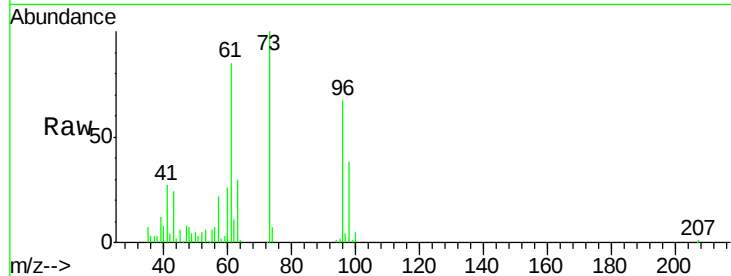
ClientSampleId :

VD0916SBSD01

Tot Ion:	96	Resp:	95462
Ion	Ratio	Lower	Upper
96	100		
61	127.0	110.6	166.0
98	57.0	49.2	73.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.809 ug/l

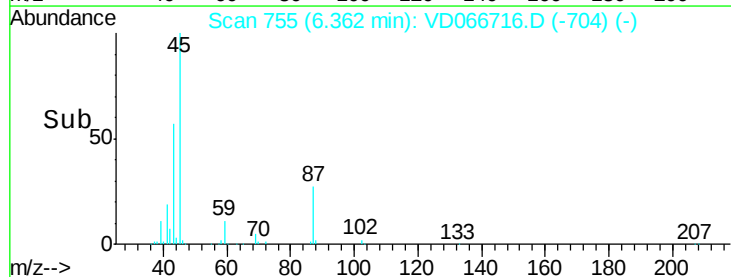
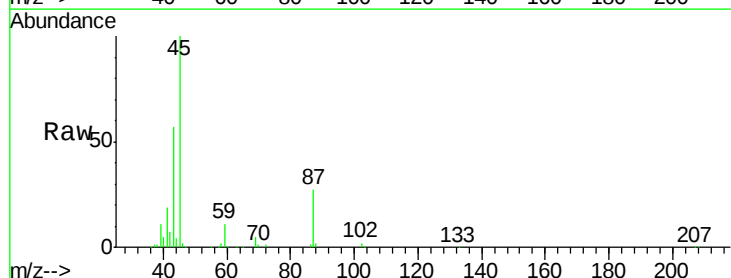
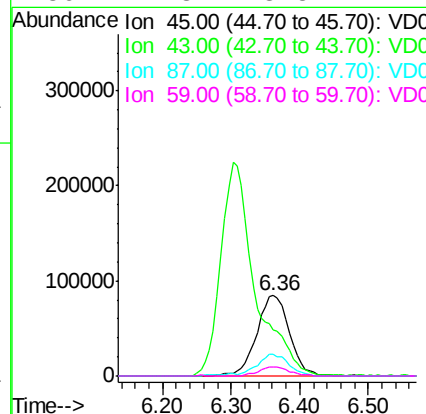
RT: 6.36 min Scan# 755

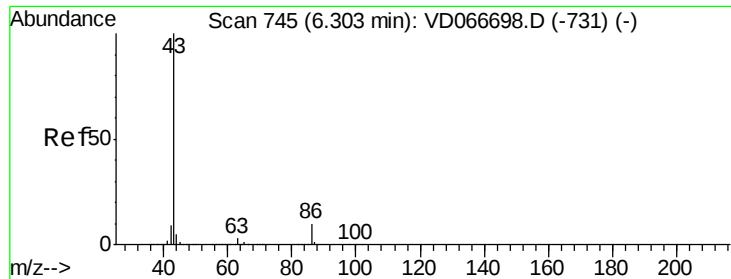
Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Tgt Ion:	45	Resp:	281575
Ion	Ratio	Lower	Upper
45	100		
43	55.9	46.9	70.3
87	27.1	22.4	33.6
59	11.3	8.5	12.7





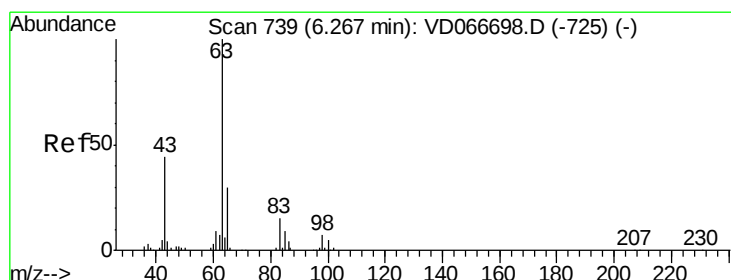
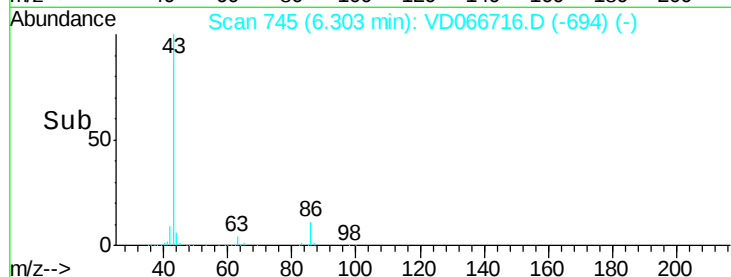
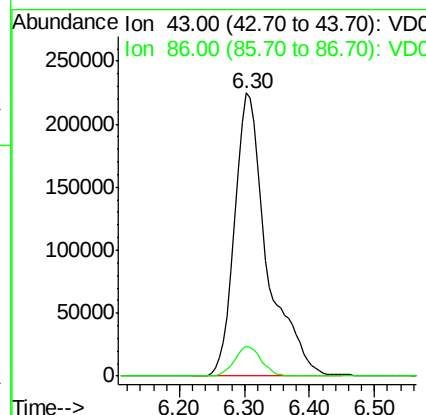
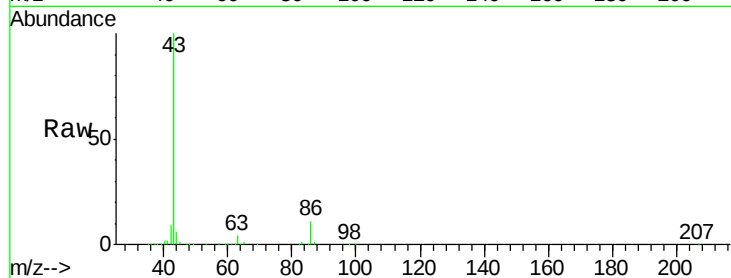
#23
 Vinyl Acetate
 Concen: 103.595 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	43	Resp	779746
Ion Ratio	100	Lower	Upper
43	100		
86	10.7	7.8	11.8

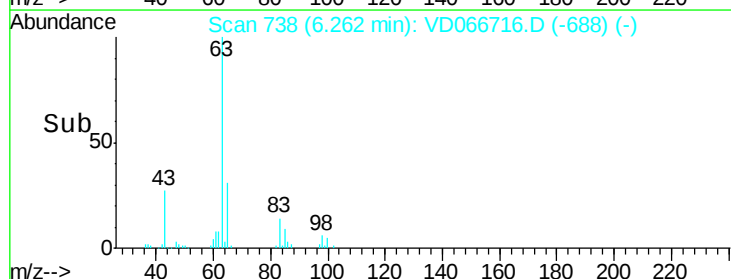
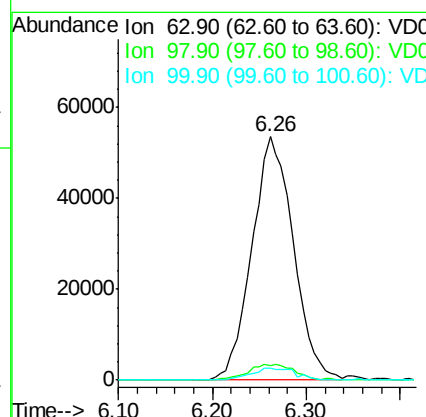
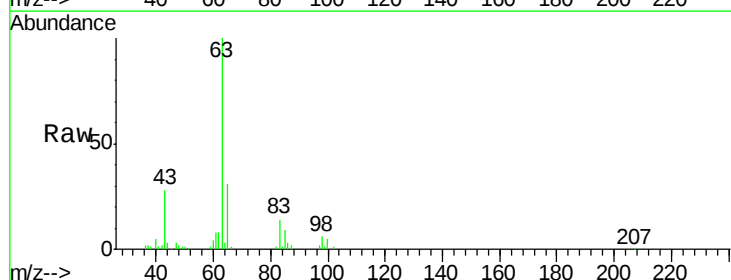
Manual Integrations
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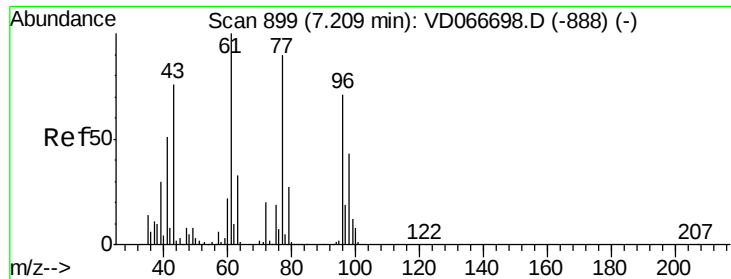
MMDadoda
 9/17/2020 1:05:05 PM



#24
 1,1-Dichloroethane
 Concen: 19.079 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion	63	Resp	163825
Ion Ratio	100	Lower	Upper
63	100		
98	6.0	3.4	10.2
100	4.7	2.6	8.0





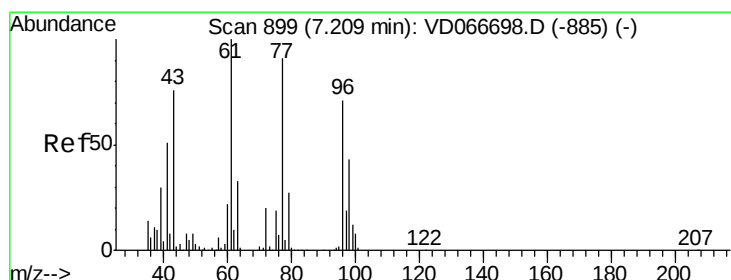
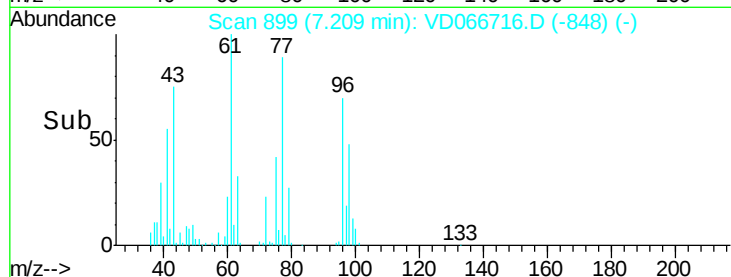
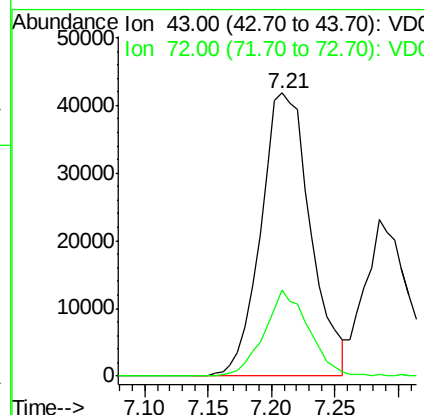
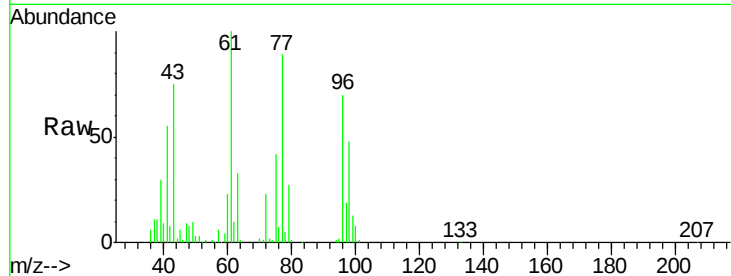
#25
2-Butanone
Concen: 97.390 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBSD01

Tot Ion: 43 Resp: 114186
Ion Ratio Lower Upper
43 100
72 30.5 21.0 31.4

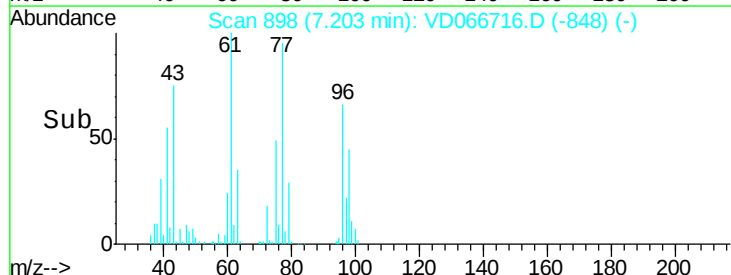
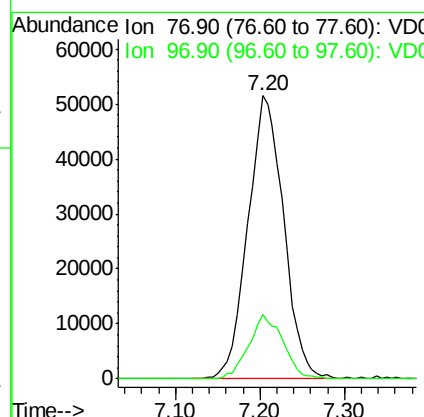
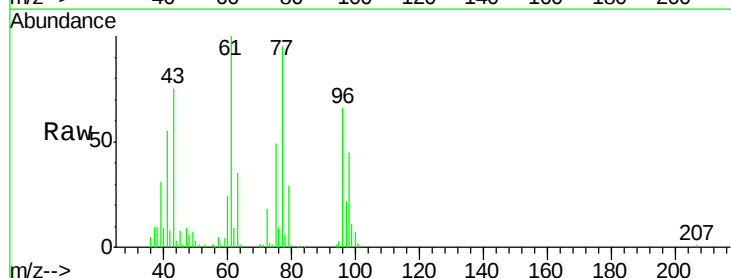
Manual Integrations
APPROVED

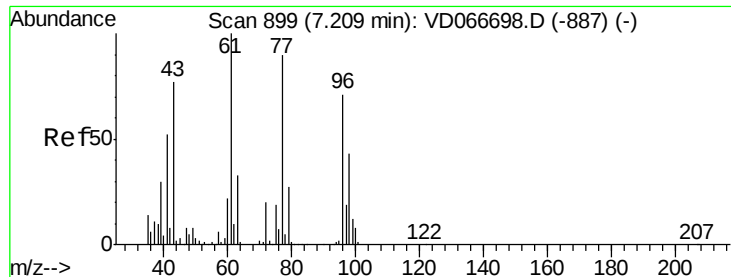
MMDadoda
9/17/2020 1:05:05 PM



#26
2,2-Dichloropropane
Concen: 19.071 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion: 77 Resp: 151425
Ion Ratio Lower Upper
77 100
97 21.7 10.6 31.8





#27

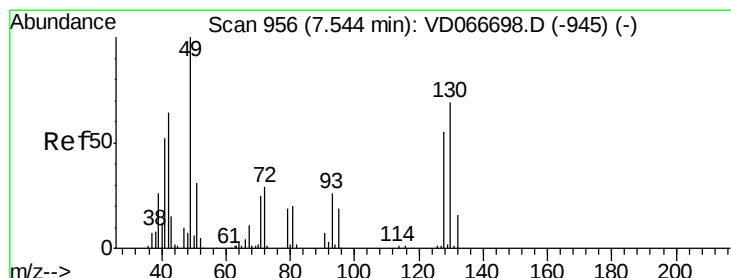
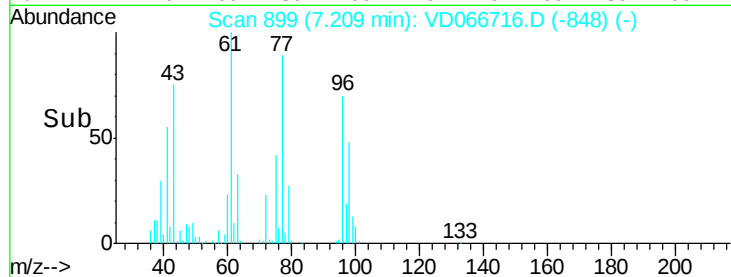
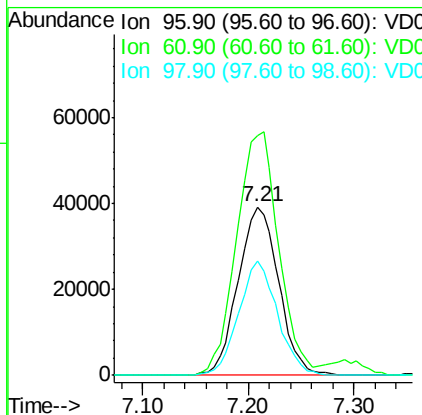
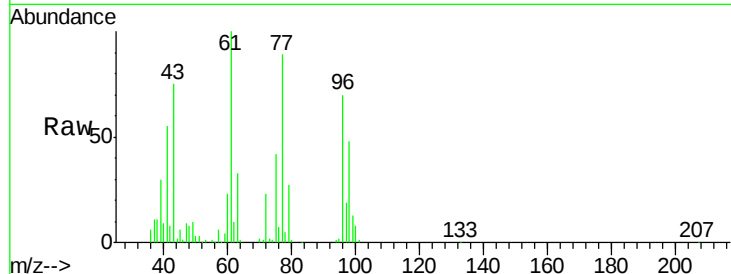
cis-1,2-Dichloroethene
Concen: 19.786 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.5	0.0	292.4	
98	64.9	0.0	127.0	

Manual Integrations
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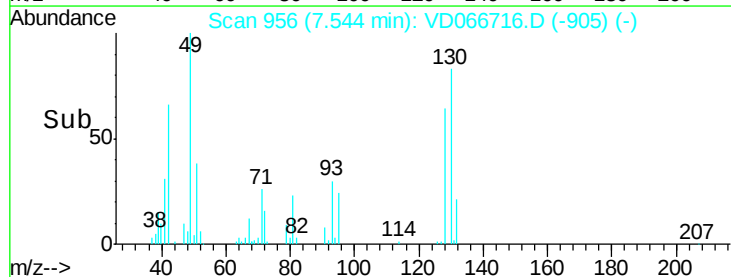
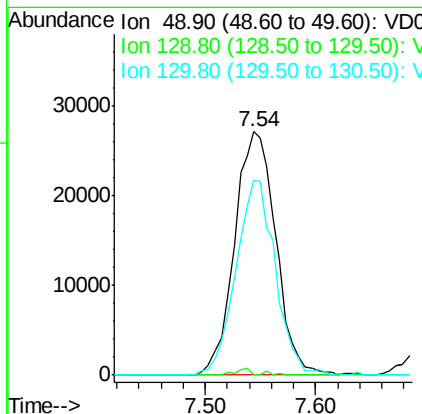
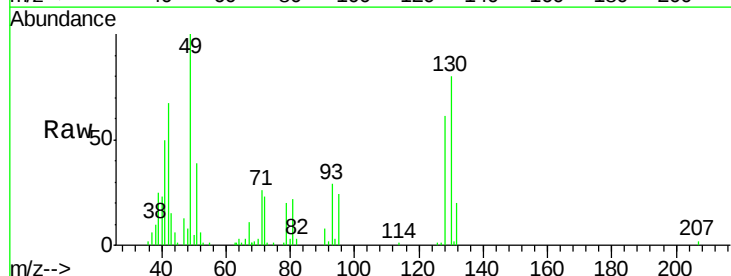
MMDadoda
9/17/2020 1:05:05 PM

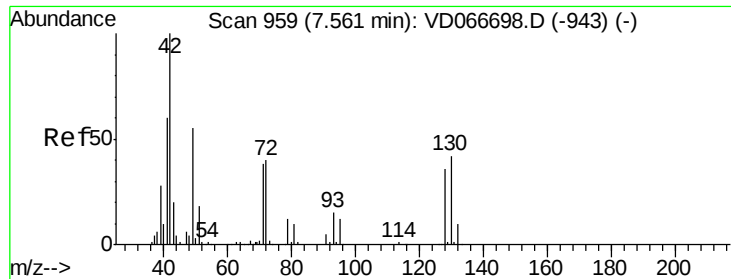


#28

Bromochloromethane
Concen: 22.022 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	3.8	
130	77.1	58.6	88.0	





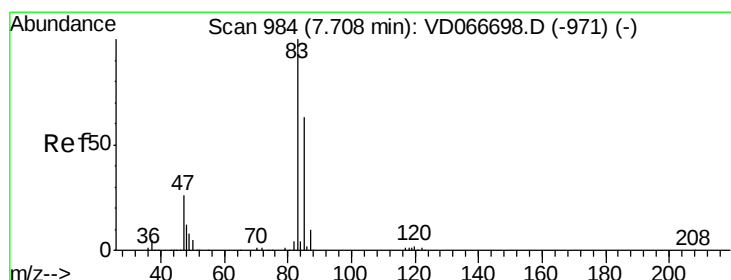
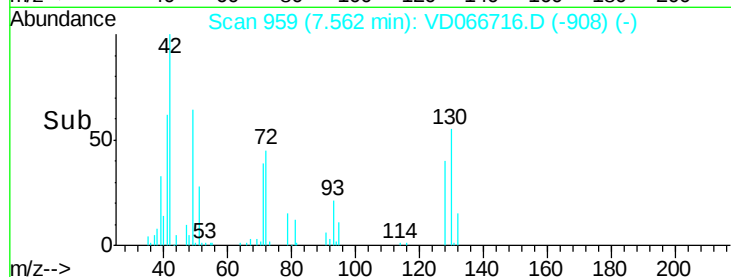
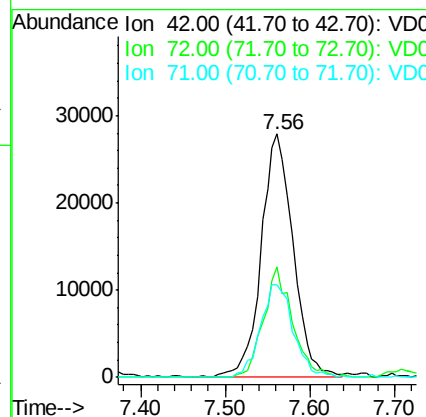
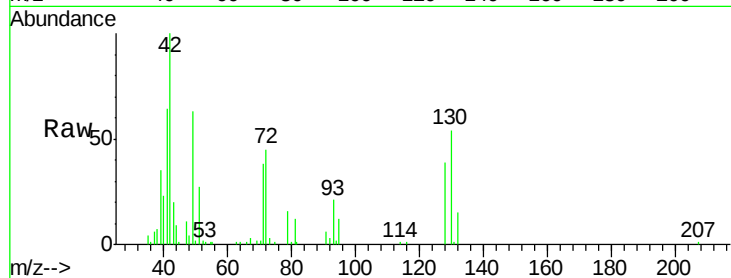
#29
Tetrahydrofuran
Concen: 102.223 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.6	48.8
71	39.3	30.6	45.8

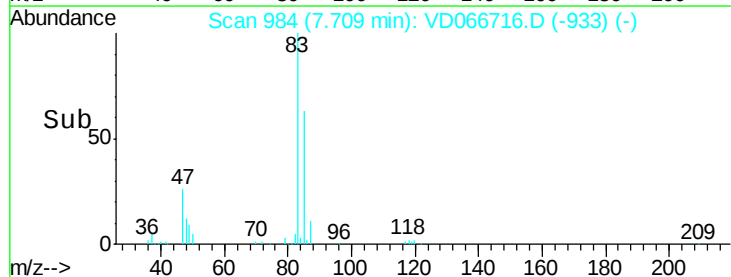
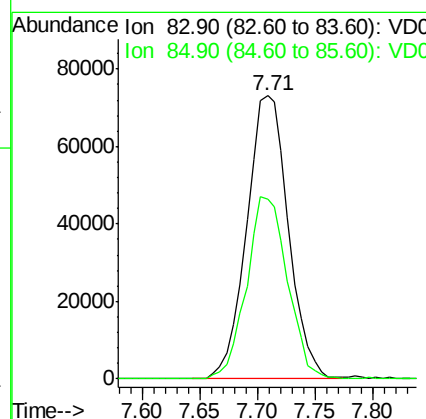
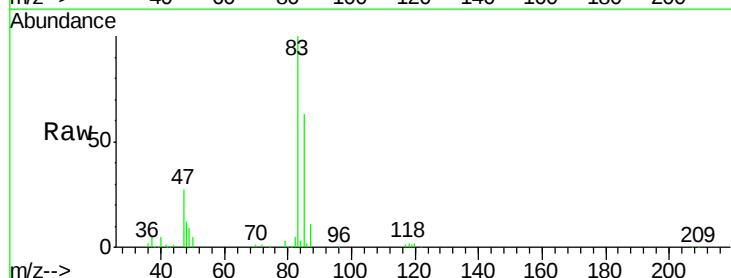
Manual Integrations
APPROVED

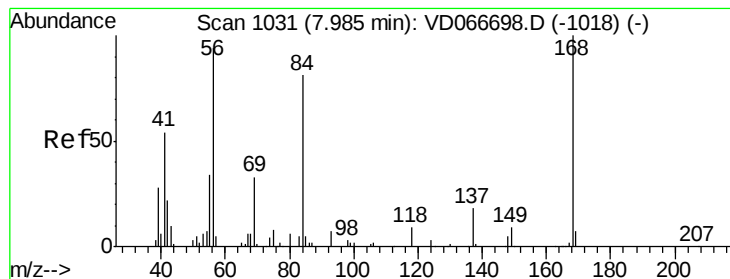
MMDadoda
9/17/2020 1:05:05 PM



#30
Chloroform
Concen: 20.124 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0





#31

Cyclohexane

Concen: 19.384 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

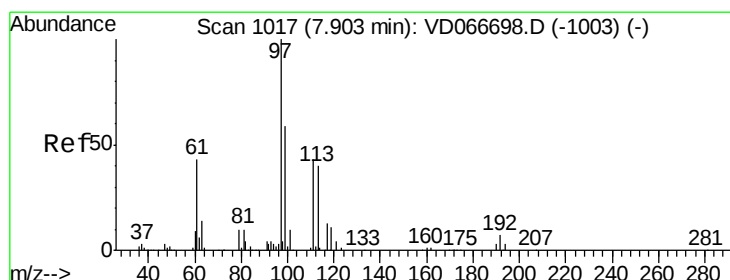
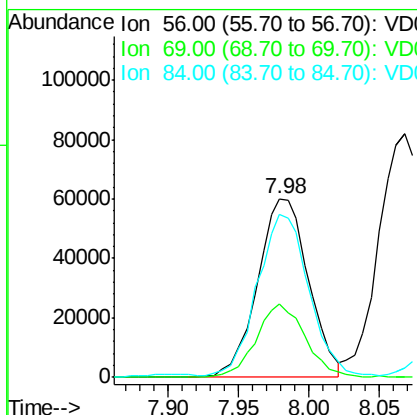
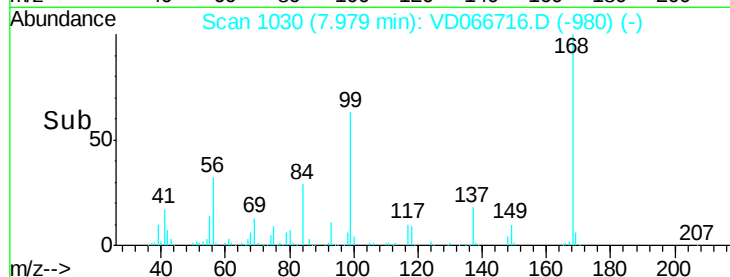
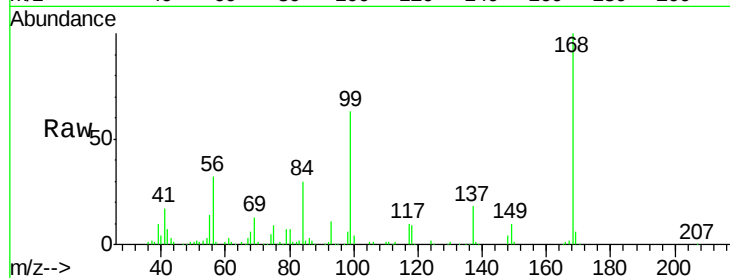
ClientSampleId :

VD0916SBS01

Tot Ion:	56	Resp:	151393
Ion Ratio	Lower	Upper	
56	100		
69	40.9	27.7	41.5
84	89.5	68.5	102.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.697 ug/l

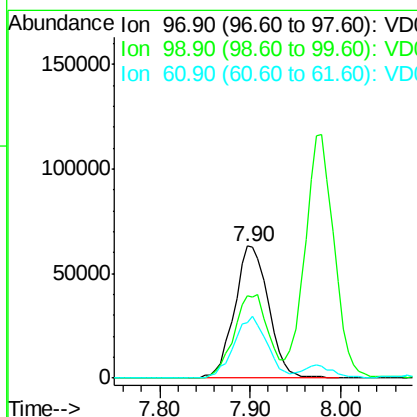
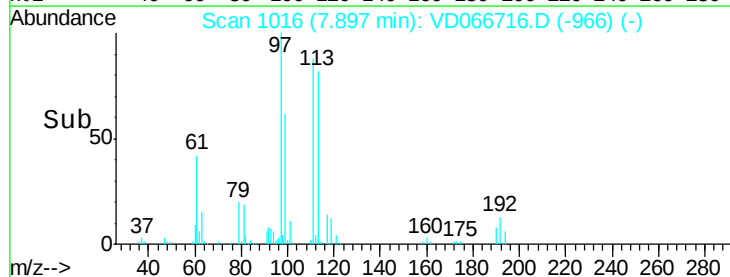
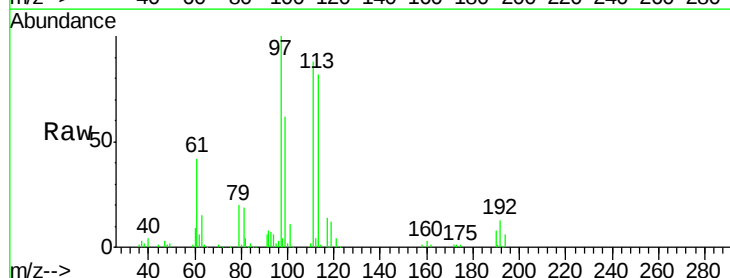
RT: 7.90 min Scan# 1016

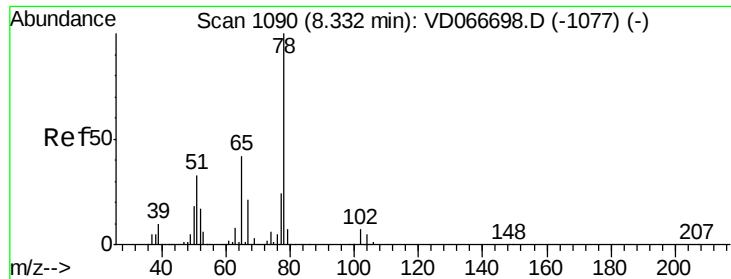
Delta R.T. -0.01 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Tgt Ion:	97	Resp:	164720
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.0	76.4
61	45.3	35.2	52.8





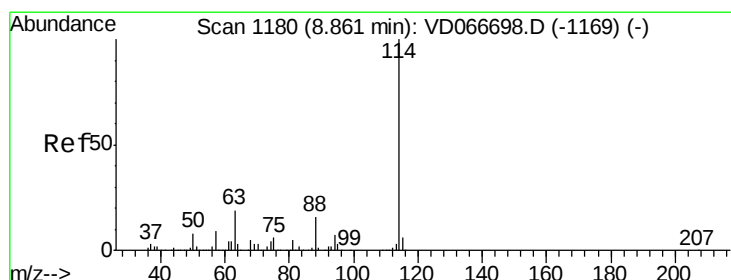
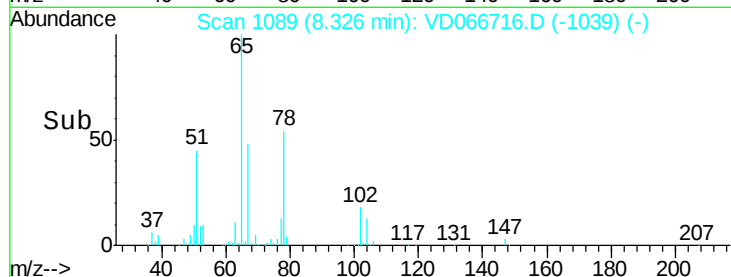
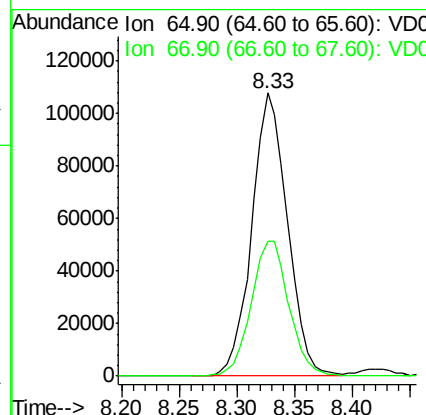
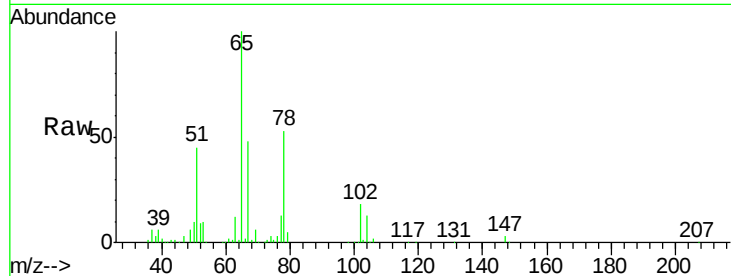
#33
 1,2-Dichloroethane-d4
 Concen: 52.588 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	232524		
67	50.7	0.0	102.2	

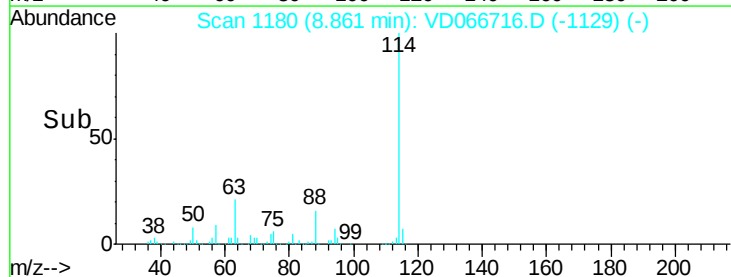
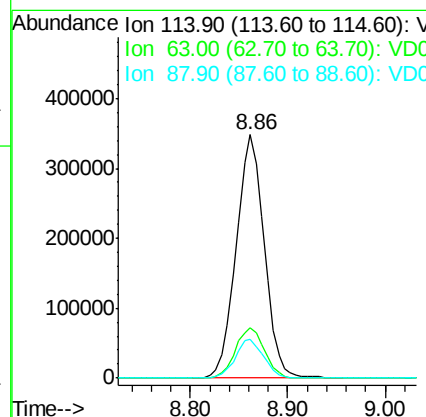
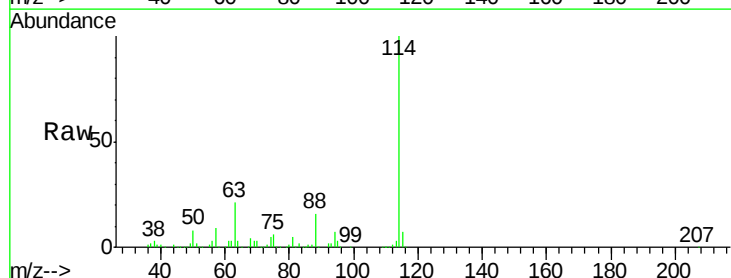
Manual Integrations
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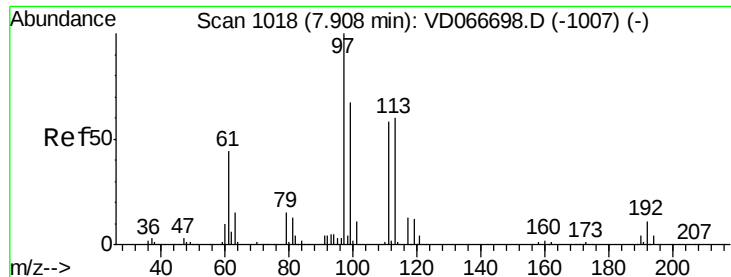
MMDadoda
 9/17/2020 1:05:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	693730		
63	20.6	0.0	37.6	
88	16.0	0.0	32.2	





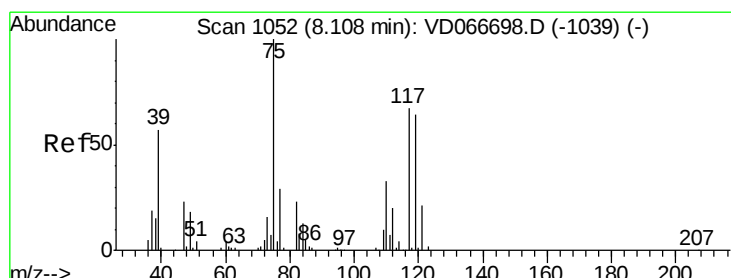
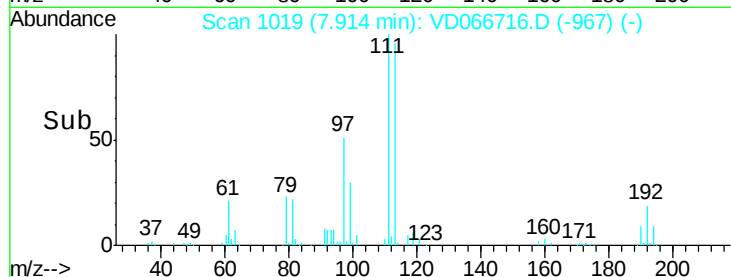
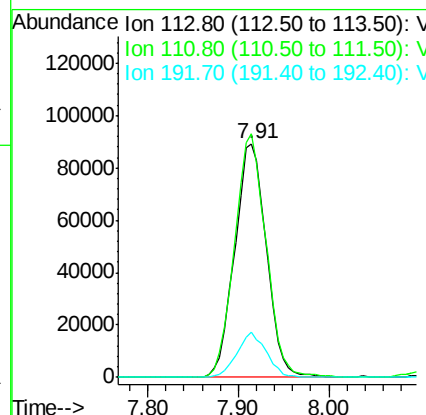
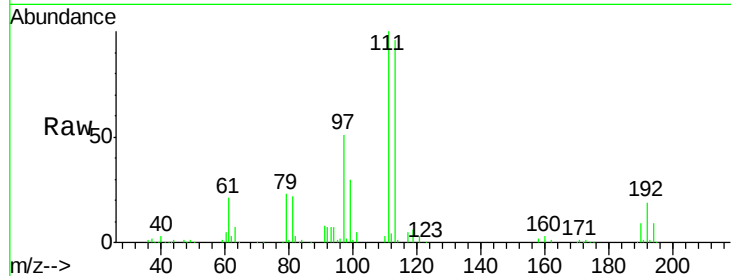
#35
 Dibromofluoromethane
 Concen: 51.148 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217545		
111	103.4	83.2	124.8	
192	18.0	14.8	22.2	

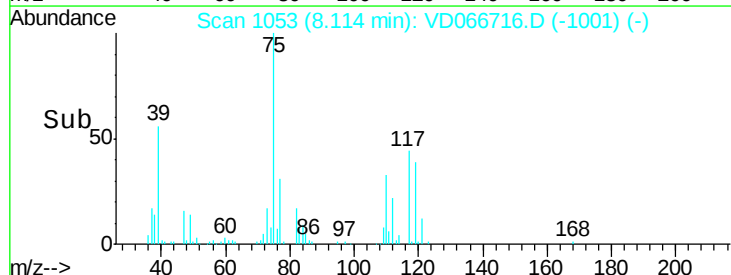
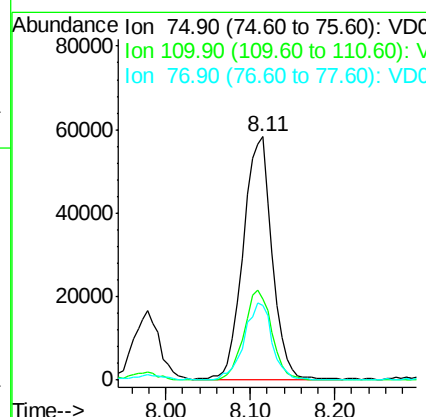
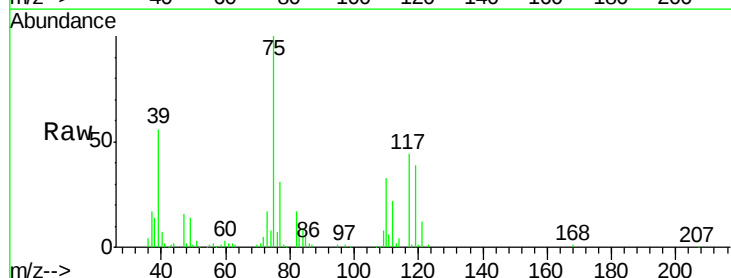
Manual Integrations
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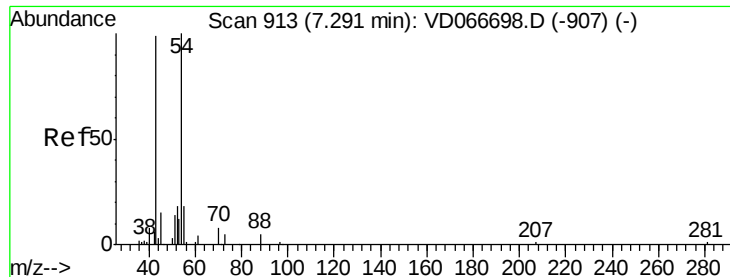
MMDadoda
 9/17/2020 1:05:05 PM



#36
 1,1-Dichloropropene
 Concen: 19.432 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138599		
110	35.3	17.1	51.2	
77	30.9	25.0	37.6	





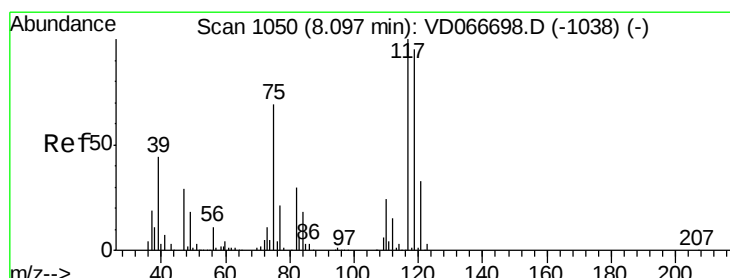
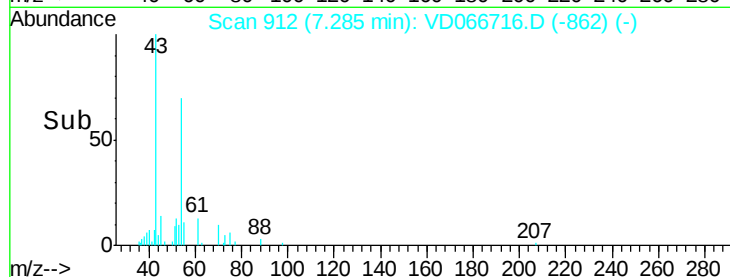
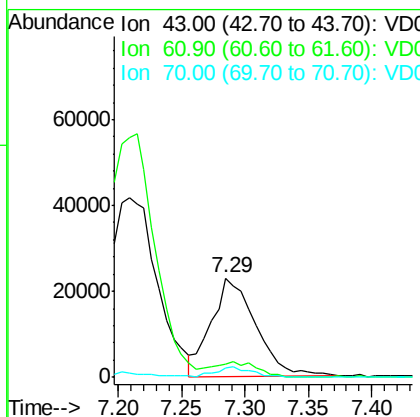
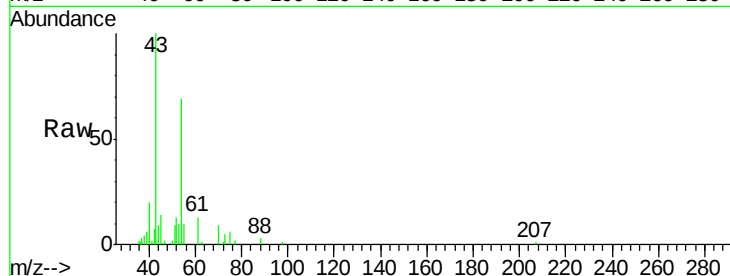
#37
Ethyl Acetate
Concen: 20.754 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.4	15.6
70	9.0	7.5	11.3

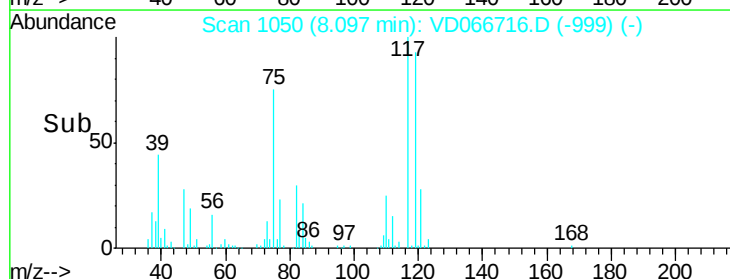
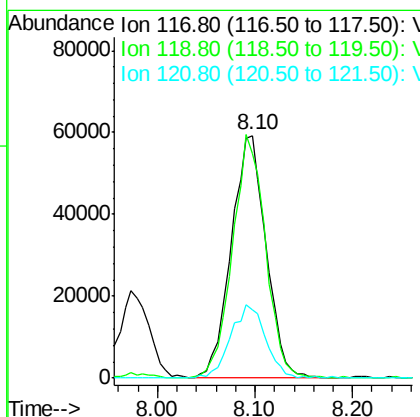
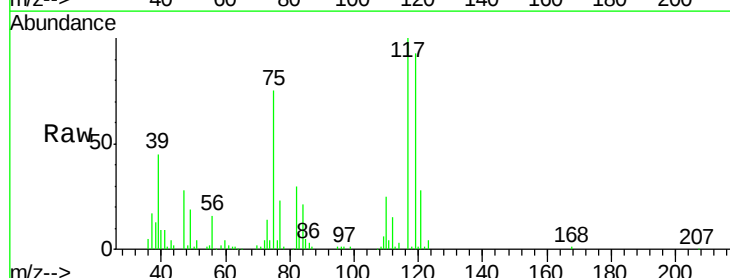
Manual Integrations
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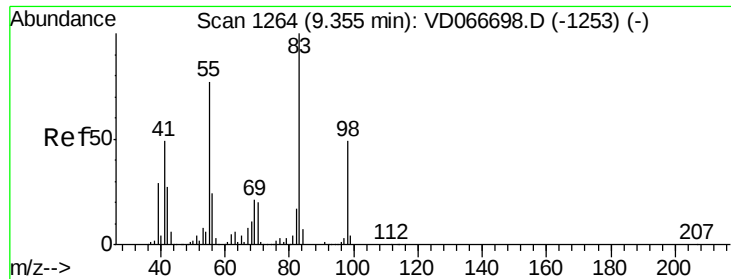
MMDadoda
9/17/2020 1:05:05 PM



#38
Carbon Tetrachloride
Concen: 19.384 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.8	113.6
121	27.9	26.2	39.4





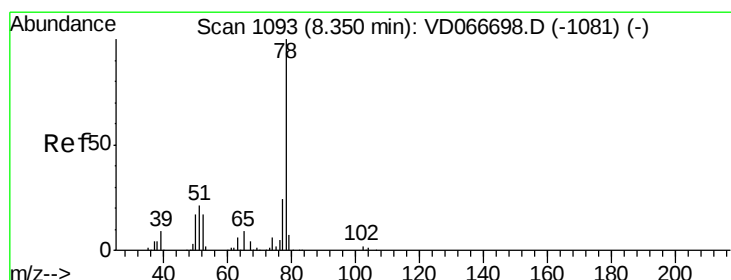
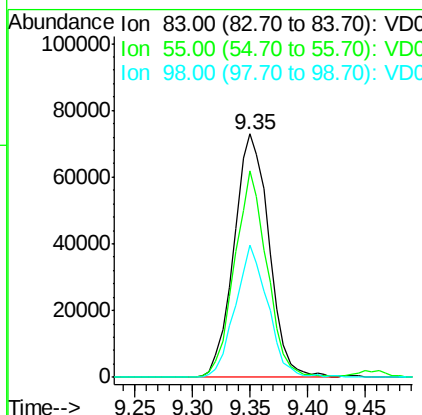
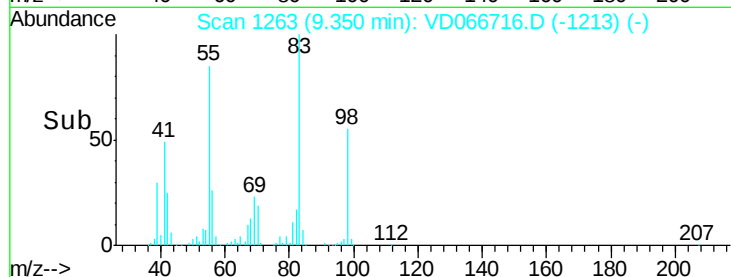
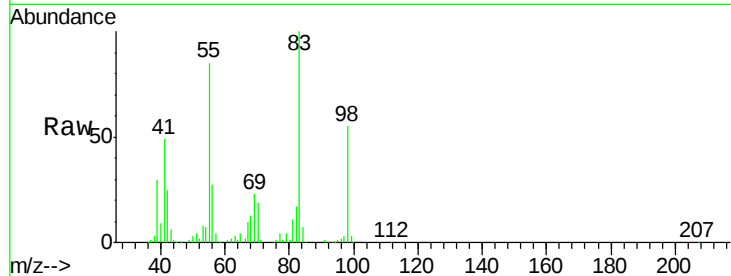
#39
Methvlcvclohexane
Concen: 18.867 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	85.1	61.5	92.3	
98	54.5	39.3	58.9	

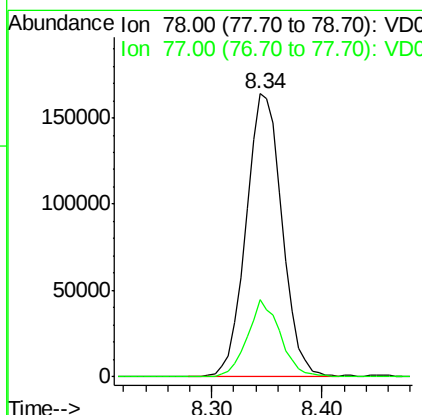
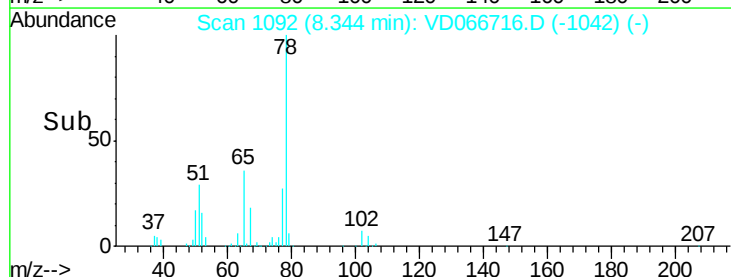
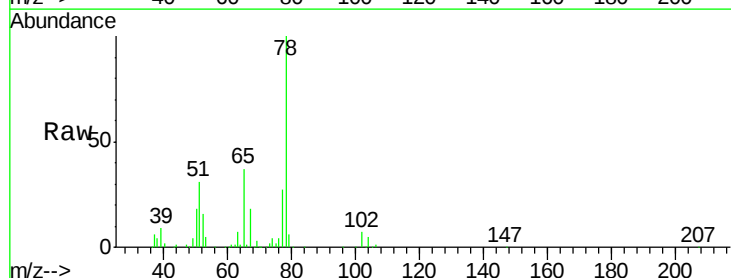
Manual Integrations
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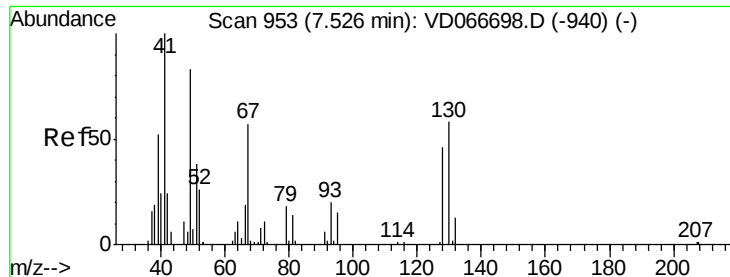
MMDadoda
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#40
Benzene
Concen: 19.480 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	27.2	19.3	28.9	





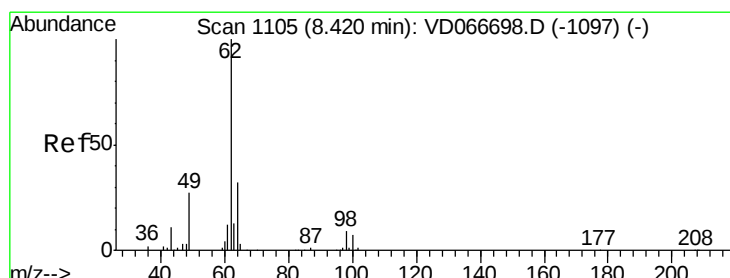
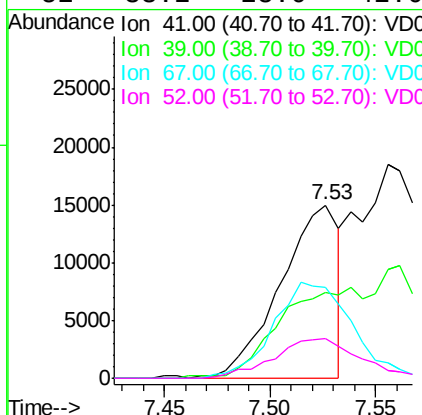
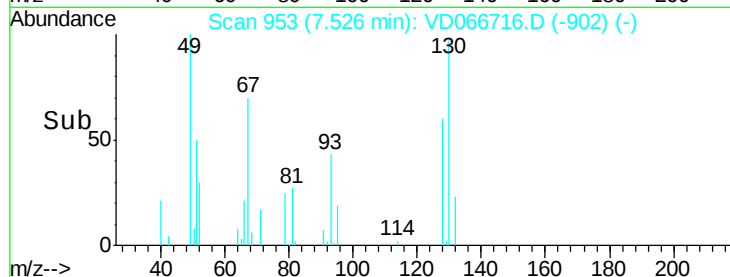
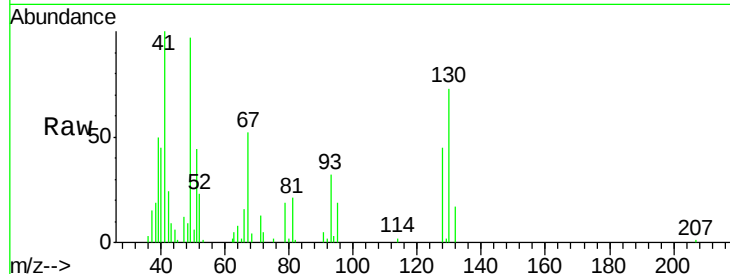
#41
Methacrylonitrile
Concen: 20.300 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion:	41	Resp:	29019
Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.3	88.9#
67	74.9	62.3	93.5
52	33.2	28.0	42.0

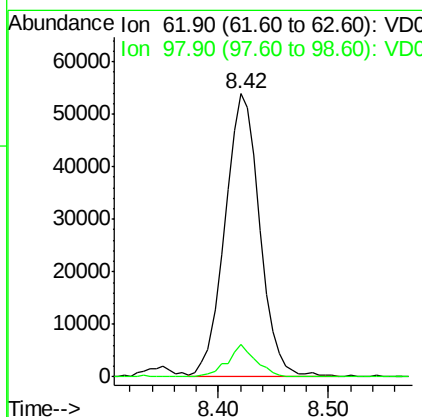
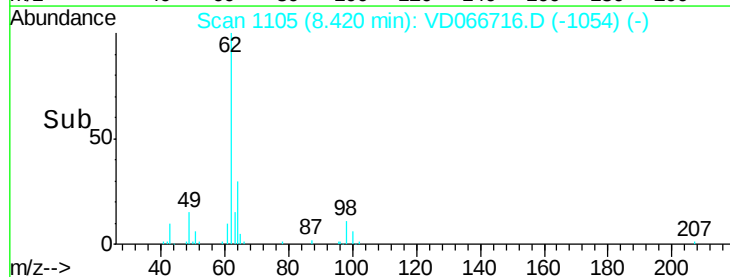
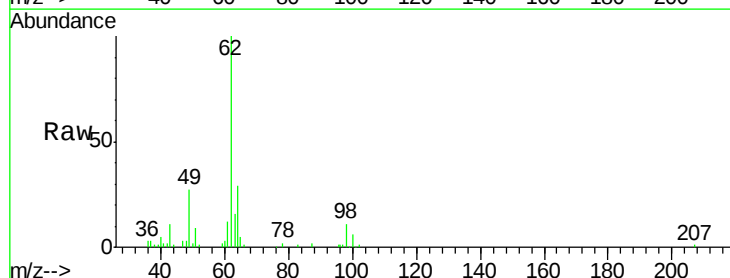
Manual Integrations
APPROVED

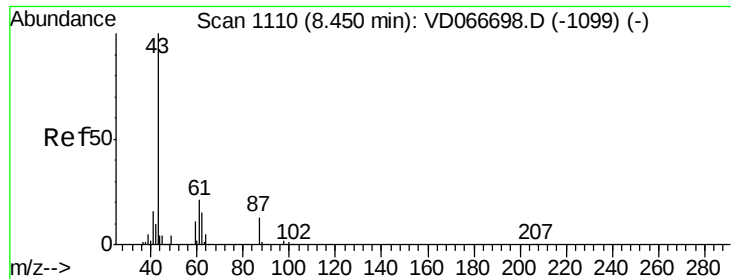
MMDadoda
9/17/2020 1:05:05 PM



#42
1,2-Dichloroethane
Concen: 19.963 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion:	62	Resp:	119341
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.6





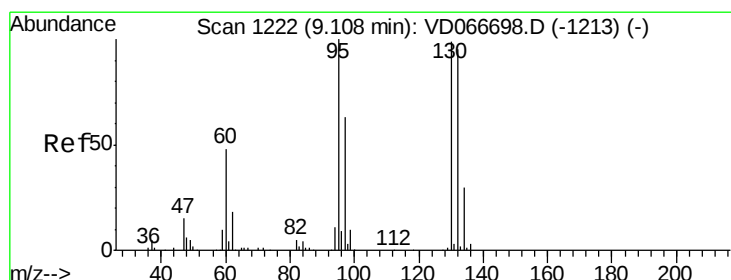
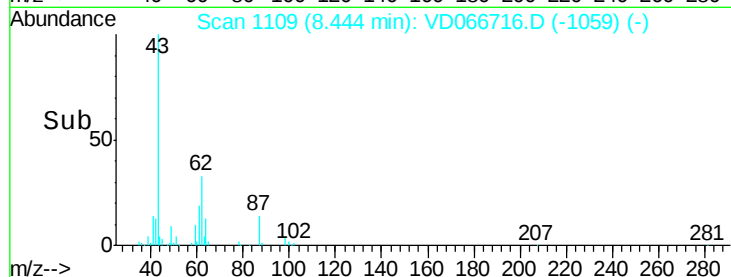
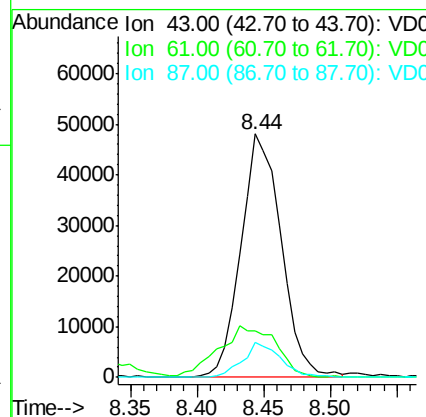
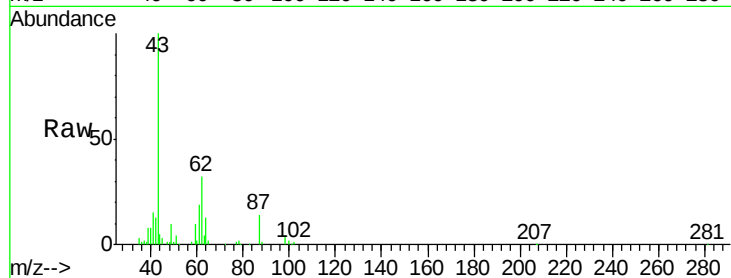
#43
Isopropyl Acetate
Concen: 19.798 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.8	37.2
87	13.6	10.4	15.6

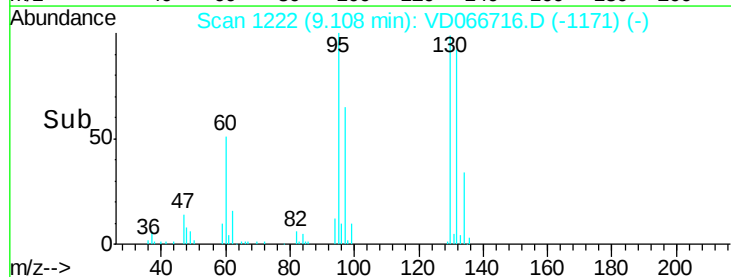
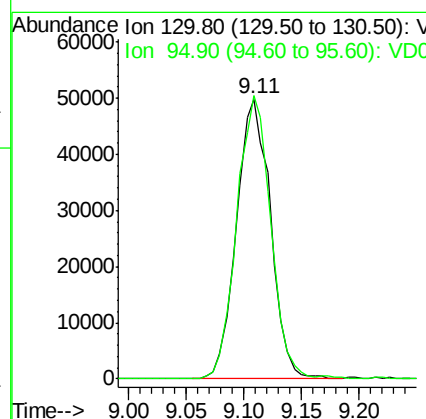
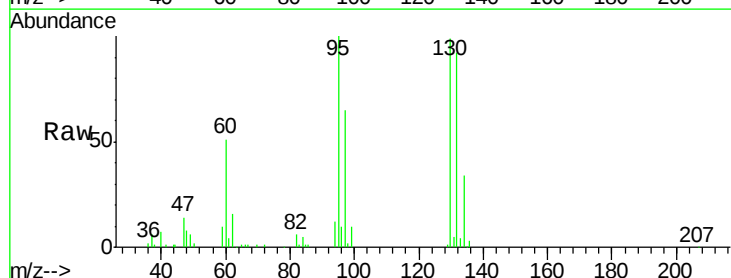
Manual Integrations
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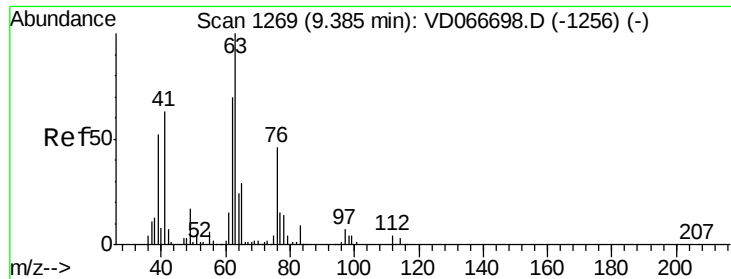
MMDadoda
9/17/2020 1:05:05 PM



#44
Trichloroethene
Concen: 19.719 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	201.4





#45

1,2-Dichloropropane

Concen: 19.456 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 63 Resp: 92814

Ion Ratio Lower Upper

63 100

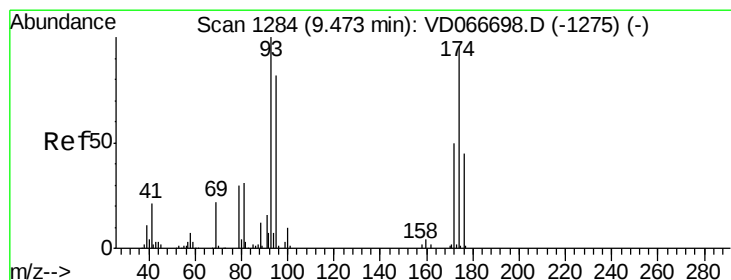
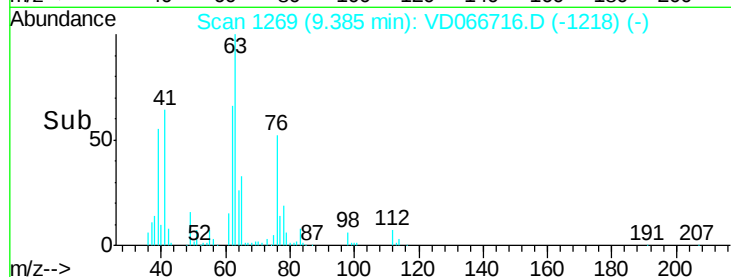
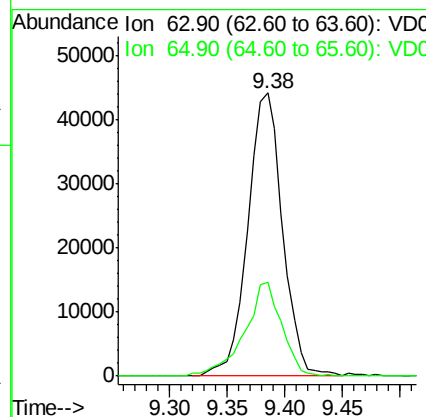
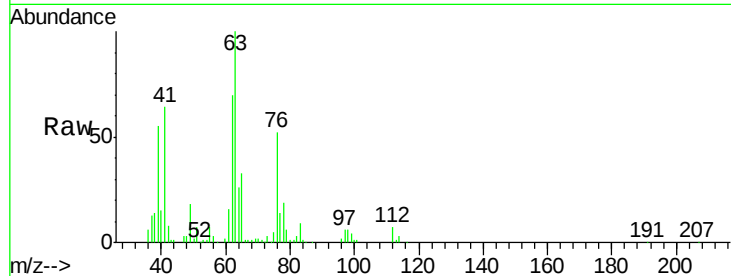
65 33.2 23.4 35.0

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#46

Dibromomethane

Concen: 20.150 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

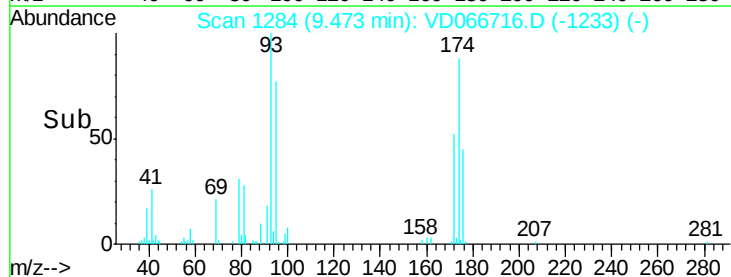
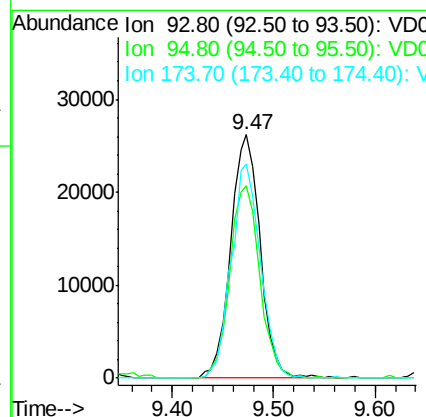
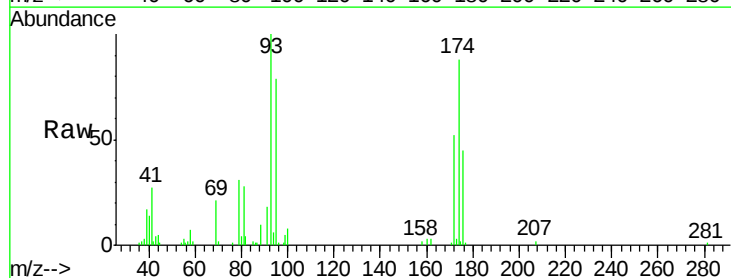
Tgt Ion: 93 Resp: 52820

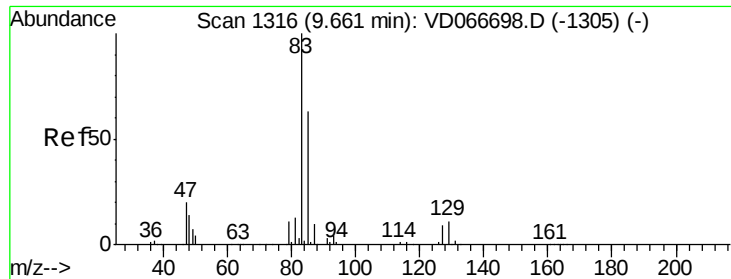
Ion Ratio Lower Upper

93 100

95 79.9 66.0 99.0

174 87.6 72.3 108.5





#47

Bromodichloromethane

Concen: 19.683 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

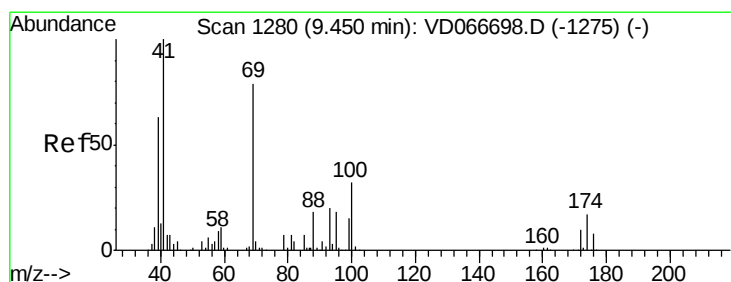
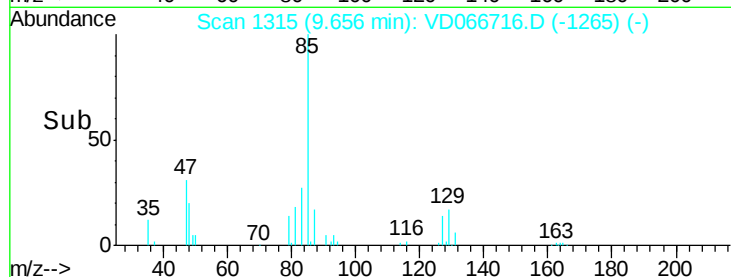
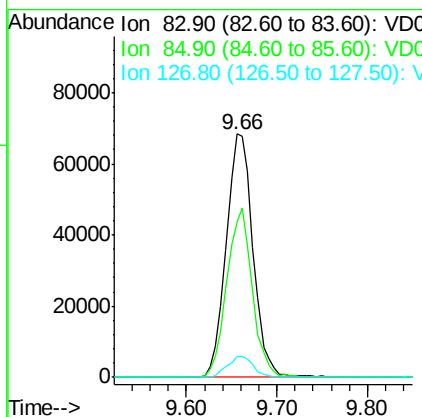
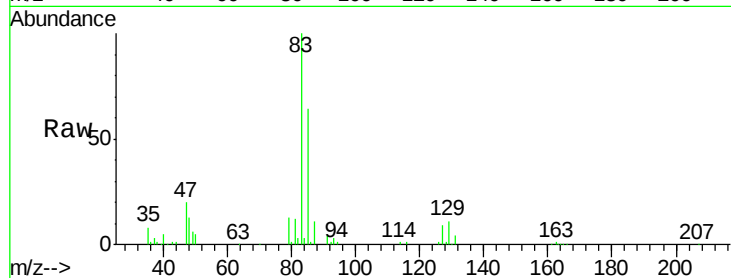
ClientSampleId :

VD0916SBS01

Tot Ion:	83	Resp:	140595
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.1	75.1
127	8.8	6.9	10.3

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#48

Methyl methacrylate

Concen: 18.757 ug/l

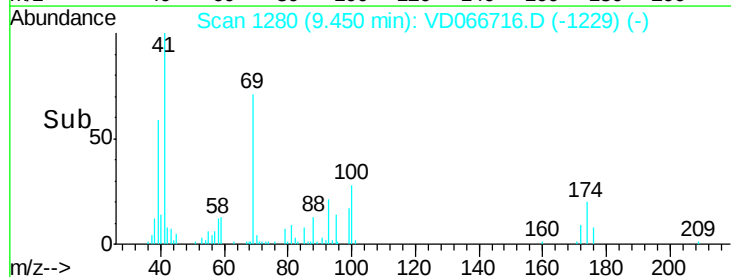
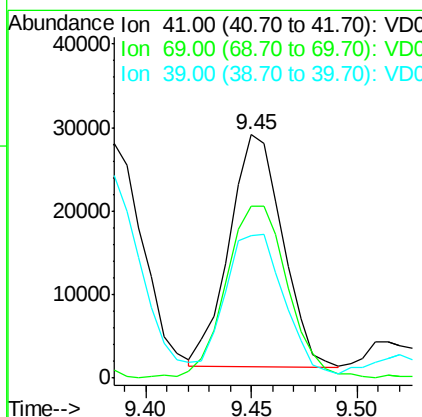
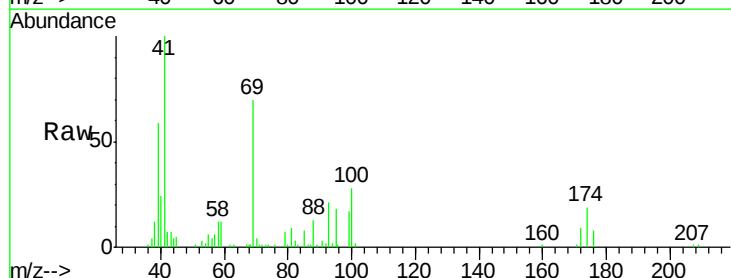
RT: 9.45 min Scan# 1280

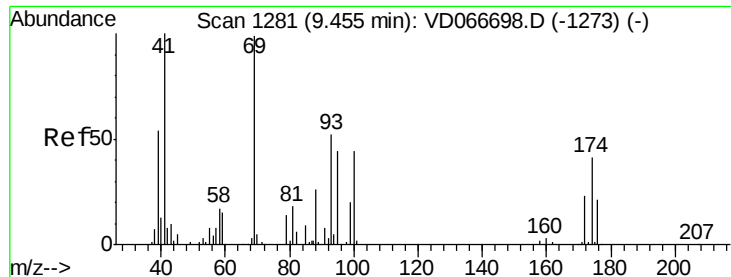
Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Tgt Ion:	41	Resp:	48489
Ion Ratio	Lower	Upper	
41	100		
69	86.5	62.4	93.6
39	70.5	44.8	67.2#





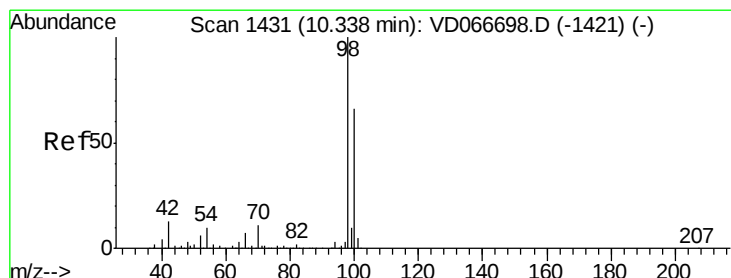
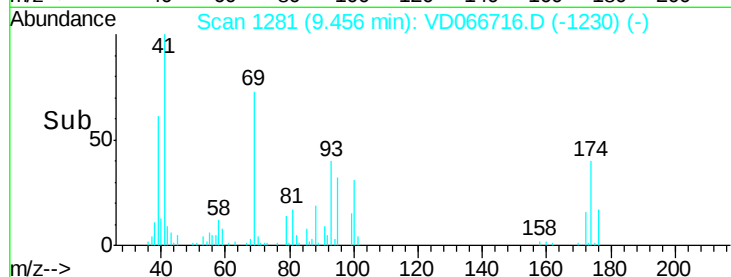
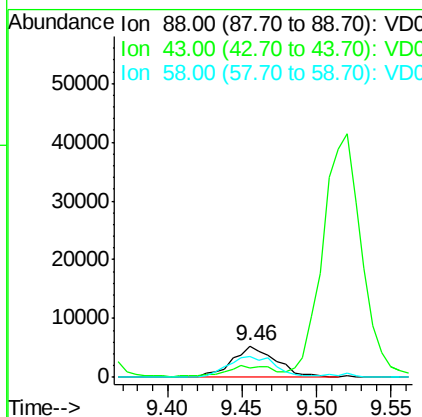
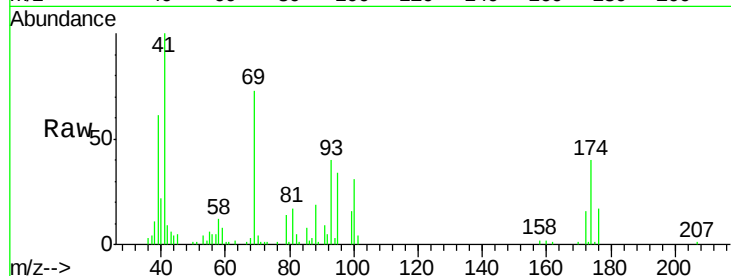
#49
1,4-Dioxane
Concen: 388.534 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	36.1	29.3	43.9	
58	73.5	51.4	77.2	

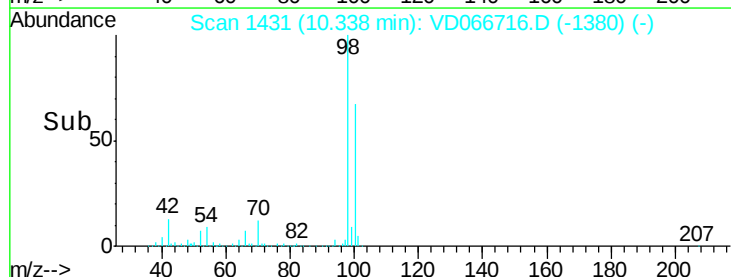
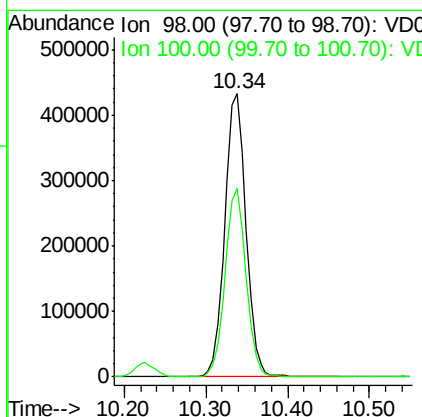
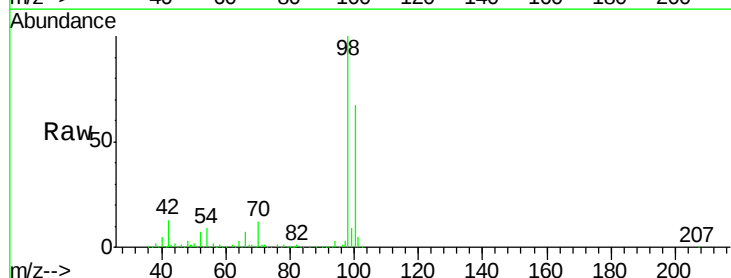
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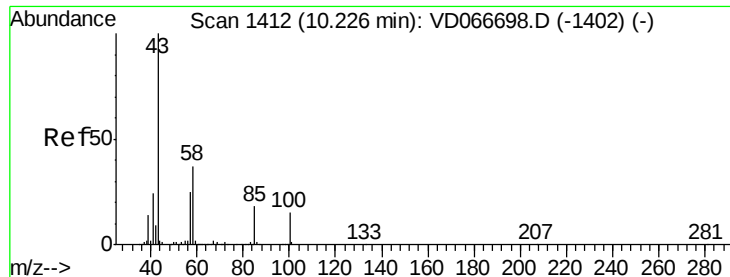
MMDadoda
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#50
Toluene-d8
Concen: 51.553 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.7	52.7	79.1	





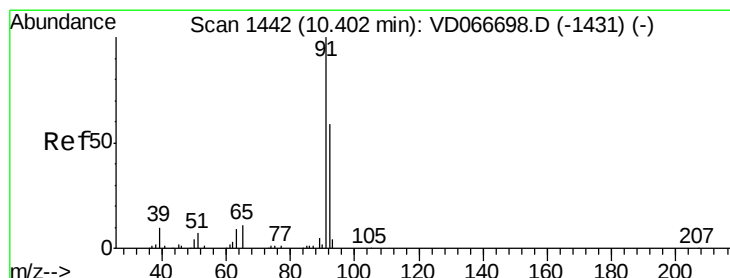
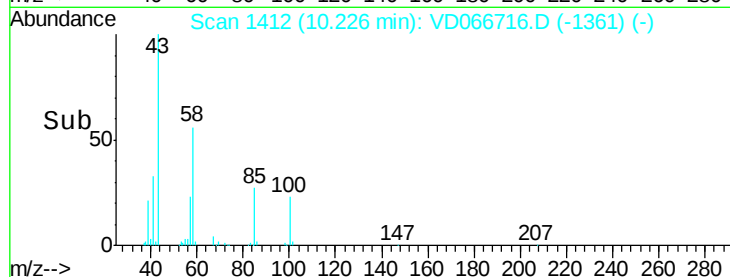
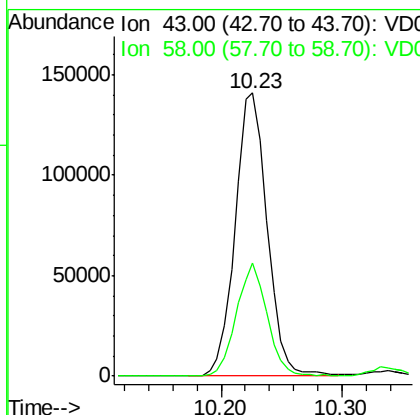
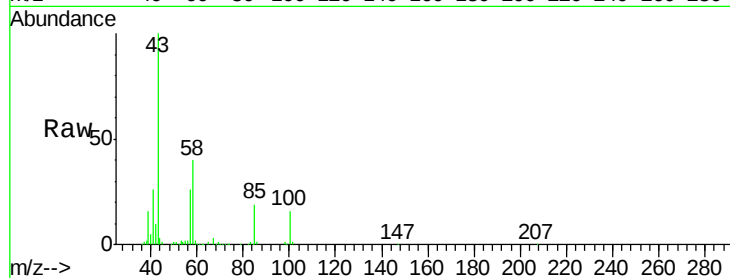
#51
4-Methyl-2-Pentanone
Concen: 99.900 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.4	45.6

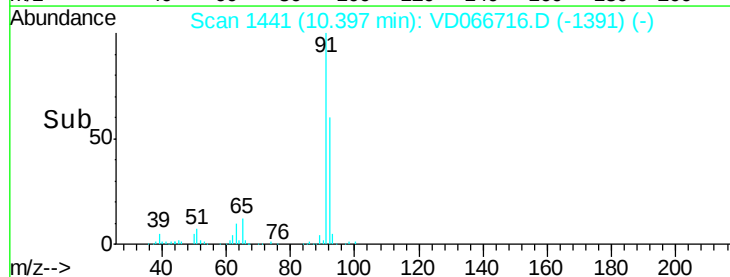
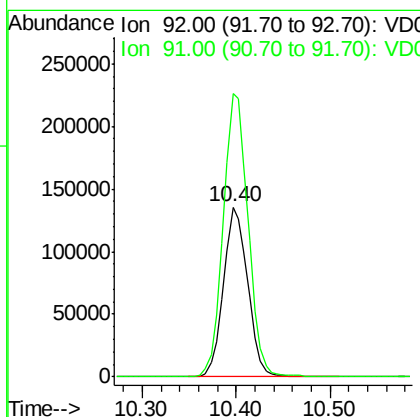
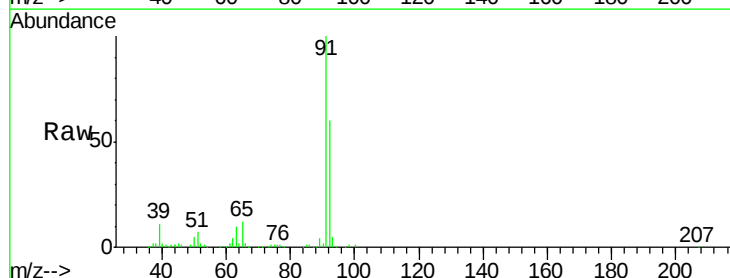
Manual Integrations
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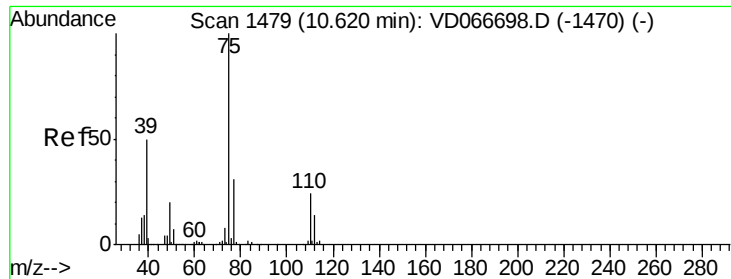
MMDadoda
9/17/2020 1:05:05 PM



#52
Toluene
Concen: 19.722 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.5	135.8	203.8





#53

t-1,3-Dichloropropene

Concen: 19.950 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 75 Resp: 127299

Ion Ratio Lower Upper

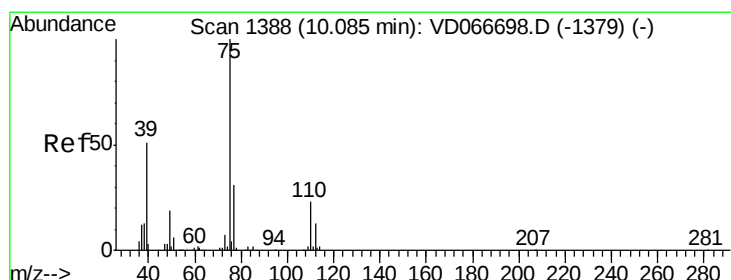
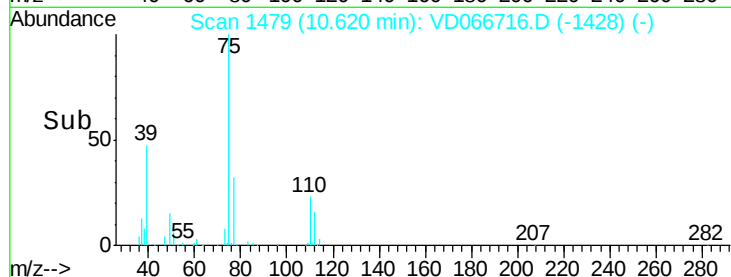
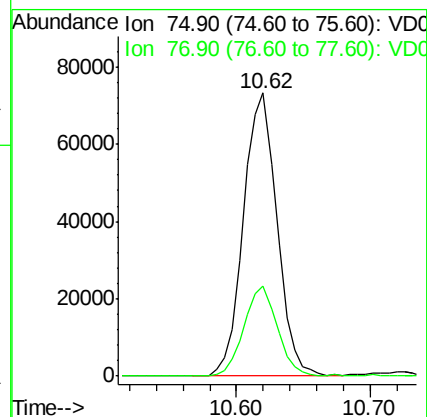
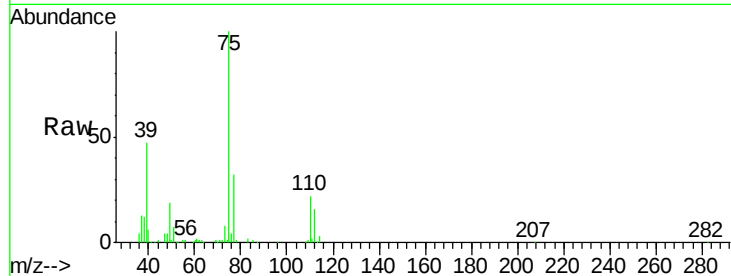
75 100

77 31.8 24.6 36.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.897 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

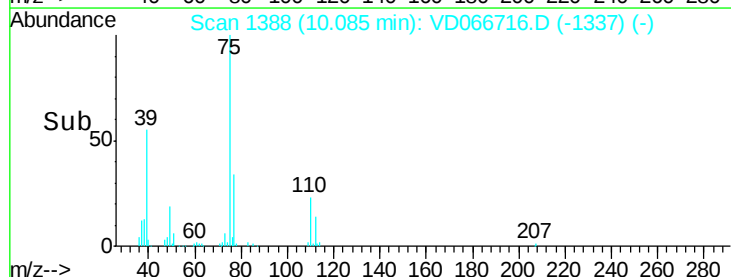
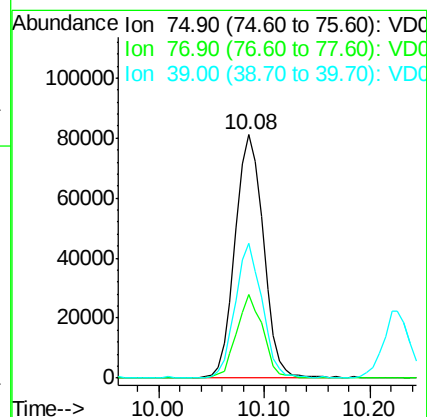
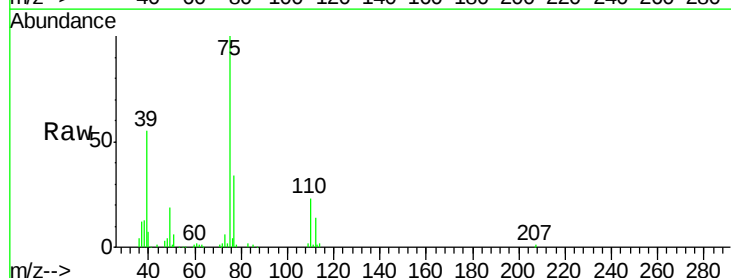
Tgt Ion: 75 Resp: 150800

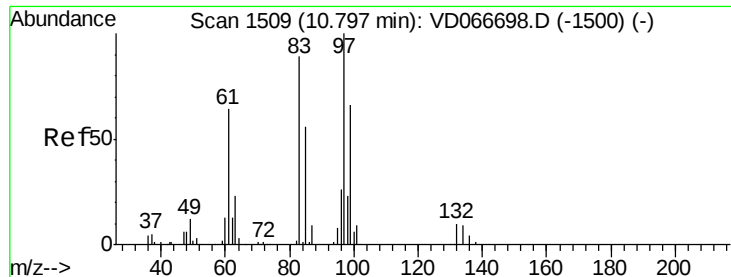
Ion Ratio Lower Upper

75 100

77 34.1 25.0 37.6

39 55.0 40.6 61.0





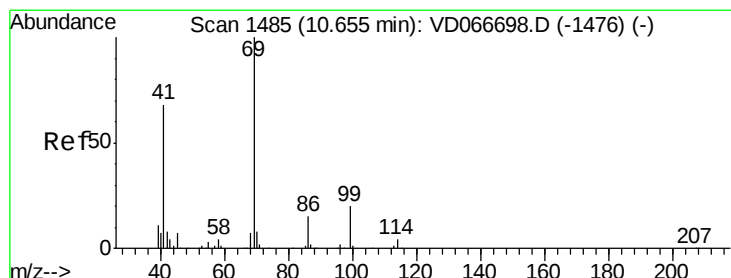
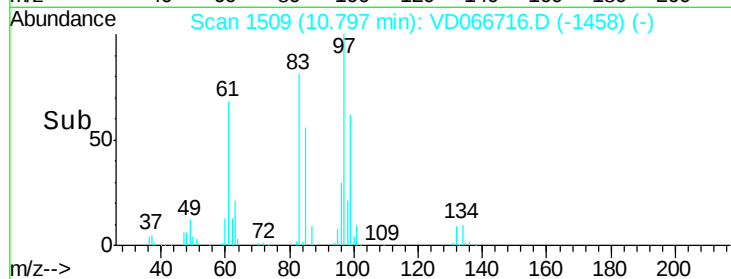
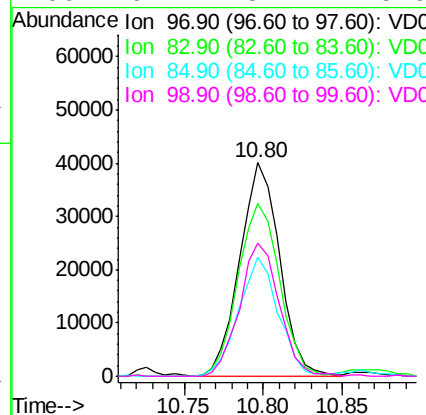
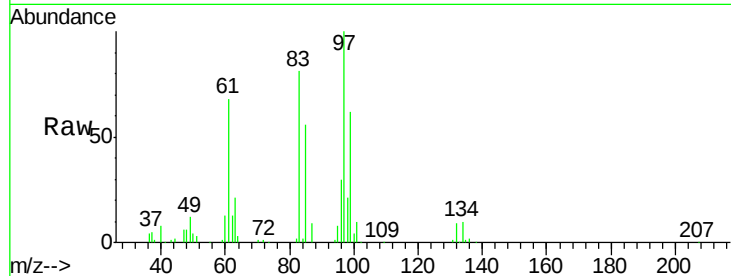
#55
 1,1,2-Trichloroethane
 Concen: 20.253 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.1	71.4	107.2
85	55.7	44.7	67.1
99	62.1	52.4	78.6

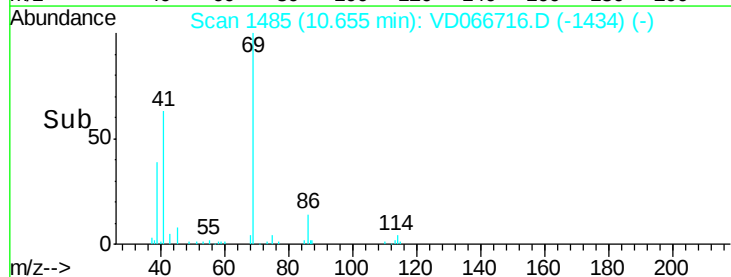
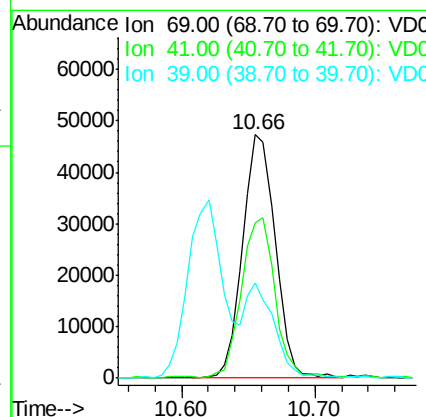
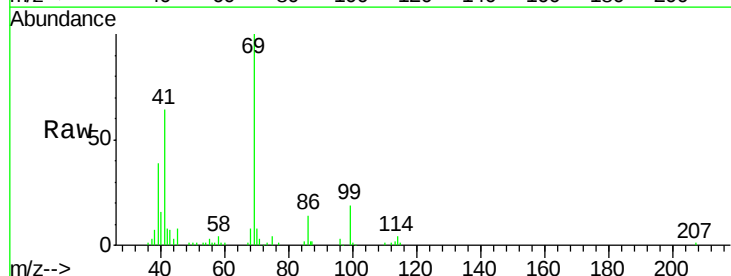
Manual Integrations
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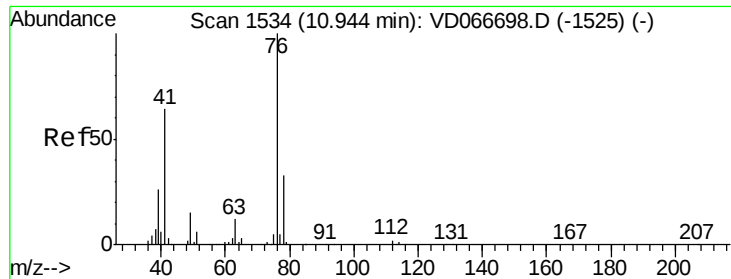
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#56
 Ethyl methacrylate
 Concen: 20.418 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.4	55.5	83.3
39	33.1	29.7	44.5





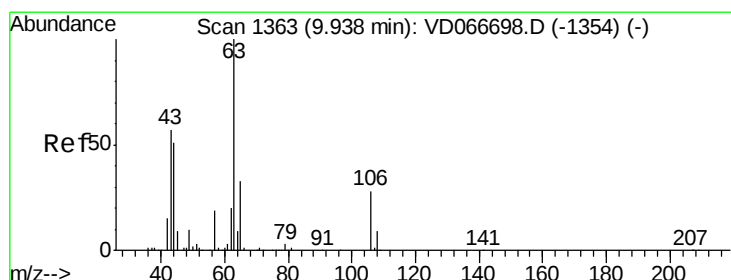
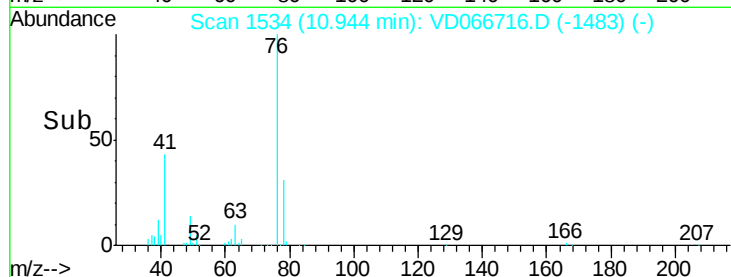
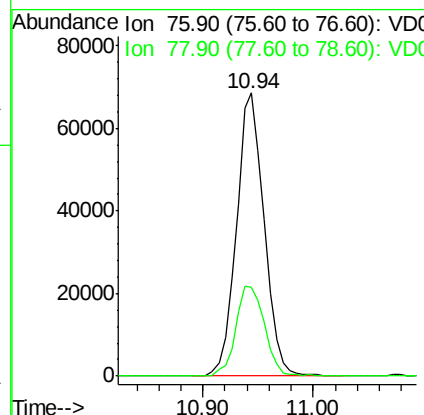
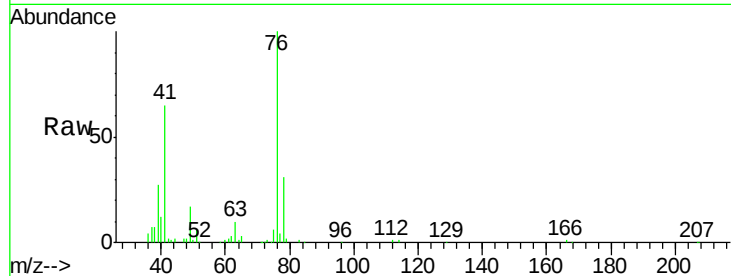
#57
 1,3-Dichloropropane
 Concen: 19.833 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.2

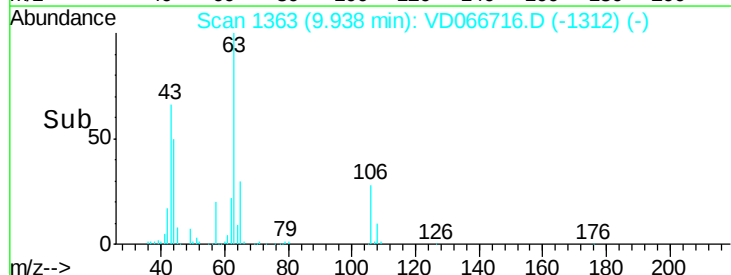
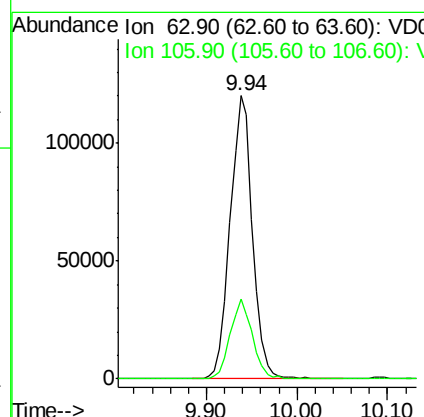
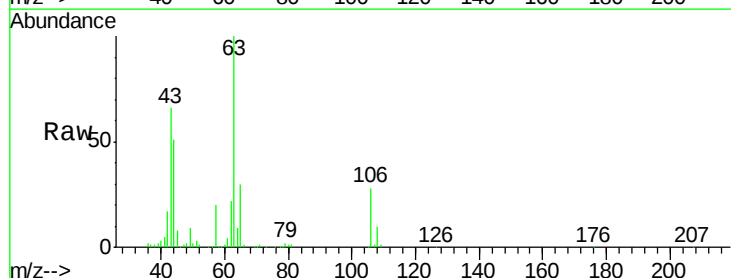
Manual Integrations
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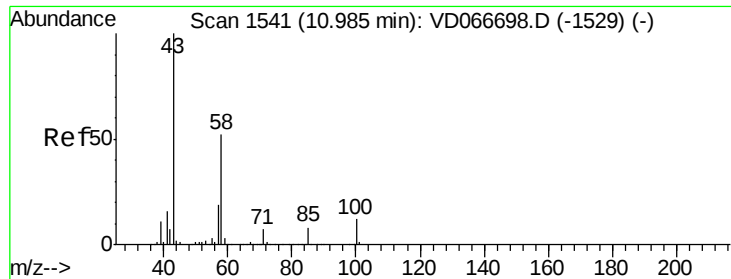
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 9/17/2020 1:05:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.226 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.2	33.4





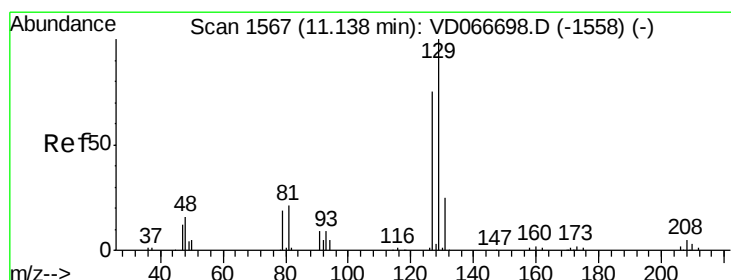
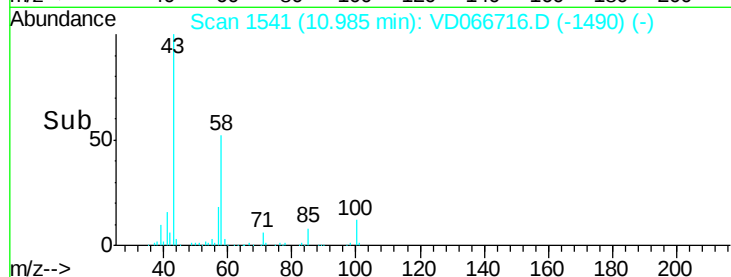
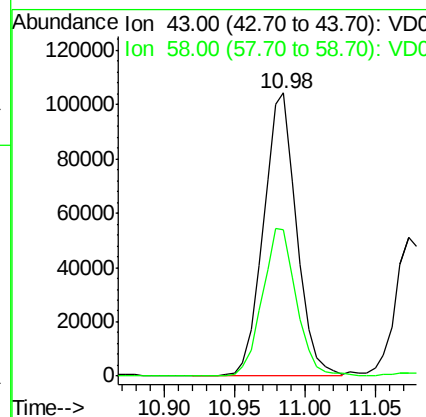
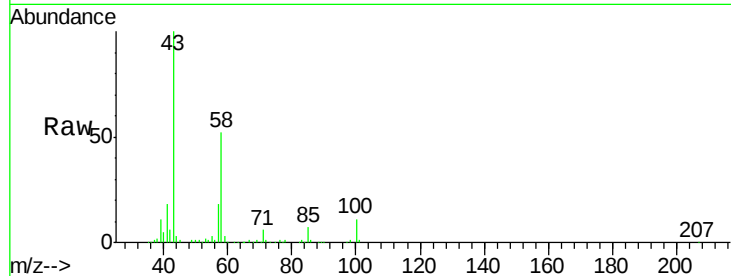
#59
2-Hexanone
Concen: 97.469 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion: 43 Resp: 171361
Ion Ratio Lower Upper
43 100
58 53.8 26.2 78.5

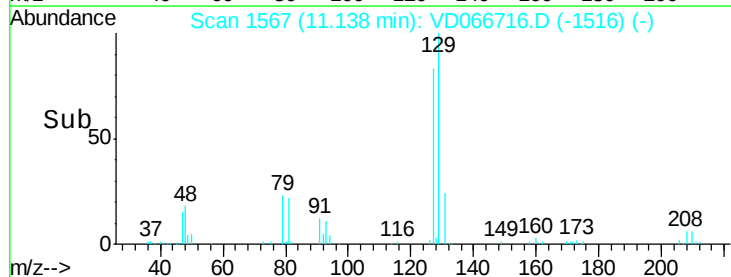
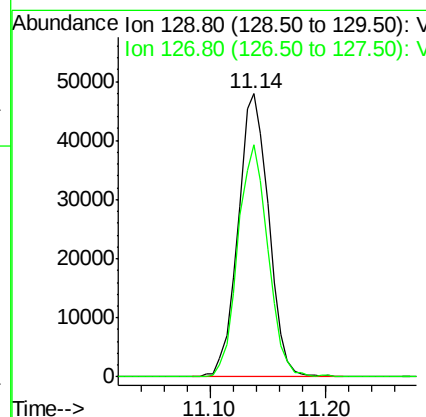
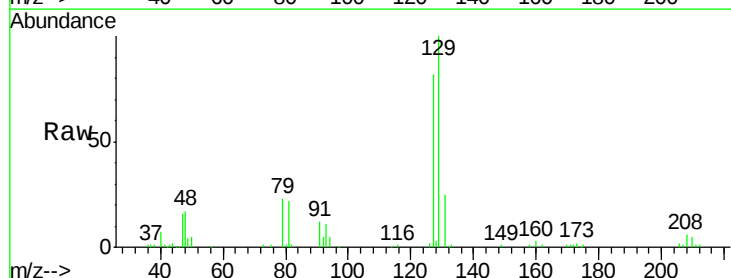
Manual Integrations
APPROVED

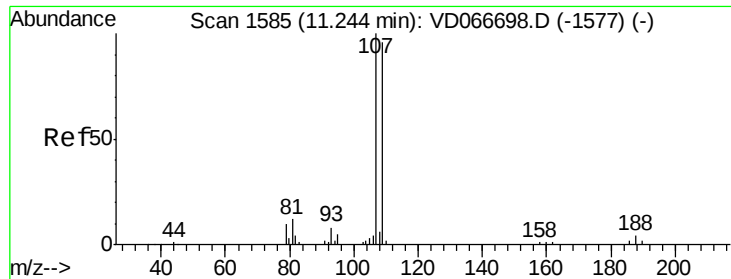
MMDadoda
9/17/2020 1:05:05 PM



#60
Dibromochloromethane
Concen: 19.506 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion: 129 Resp: 87845
Ion Ratio Lower Upper
129 100
127 80.7 38.1 114.3





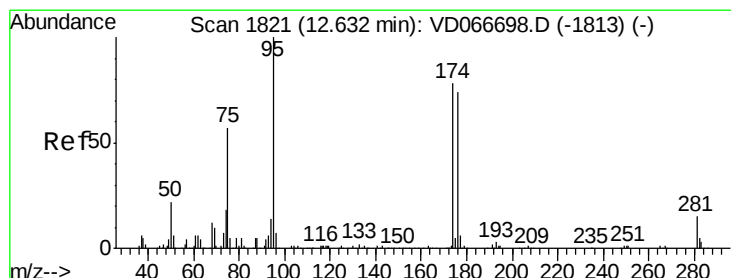
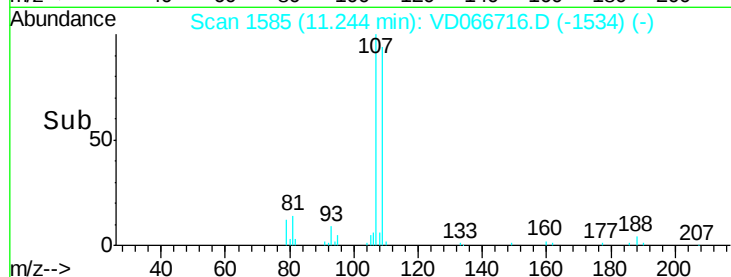
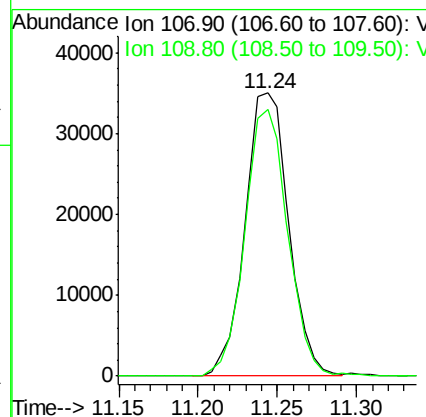
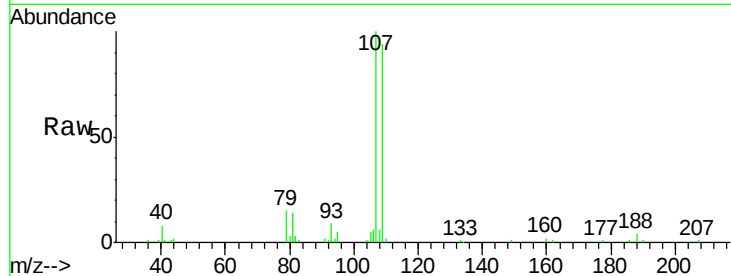
#61
 1,2-Dibromoethane
 Concen: 20.195 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion: 107 Resp: 66953
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.6 113.4

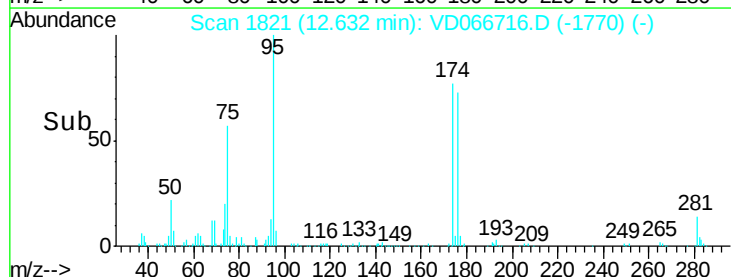
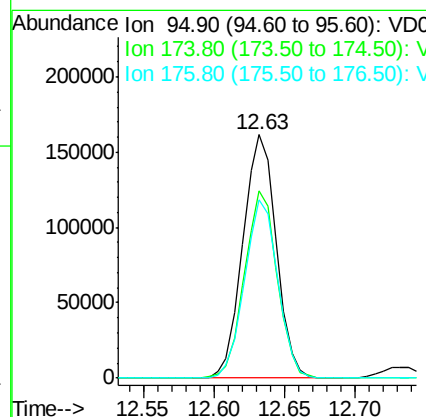
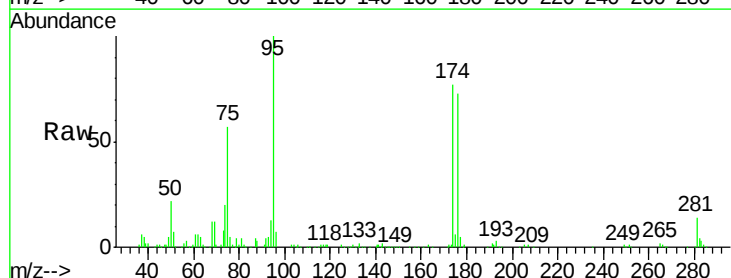
Manual Integrations
 APPROVED

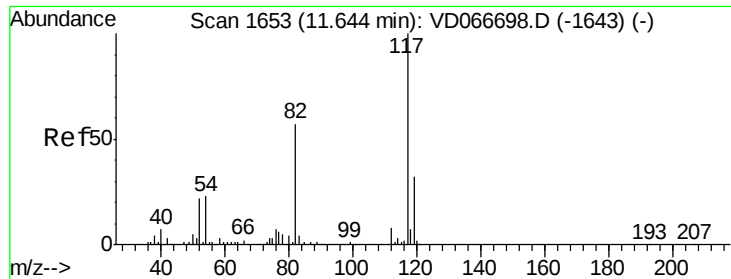
MMDadoda
 9/17/2020 1:05:05 PM



#62
 4-Bromofluorobenzene
 Concen: 51.080 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion: 95 Resp: 267184
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 156.6
 176 72.8 0.0 150.2





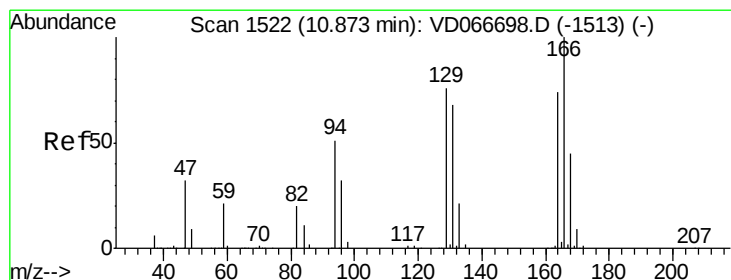
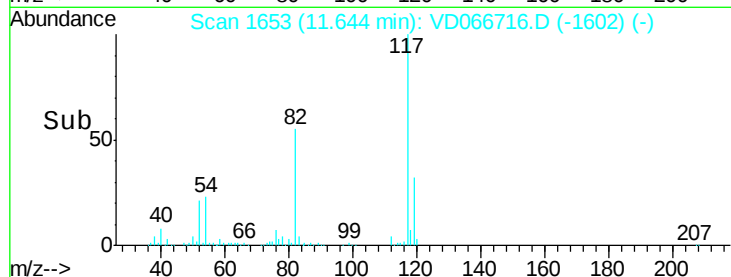
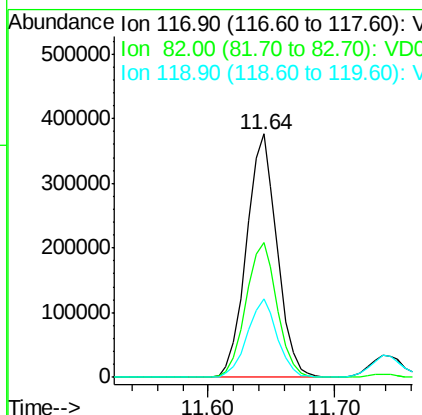
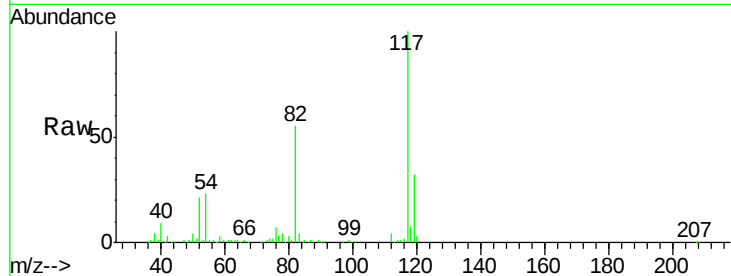
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	631416		
82	55.1	45.4	68.0	
119	32.4	25.8	38.6	

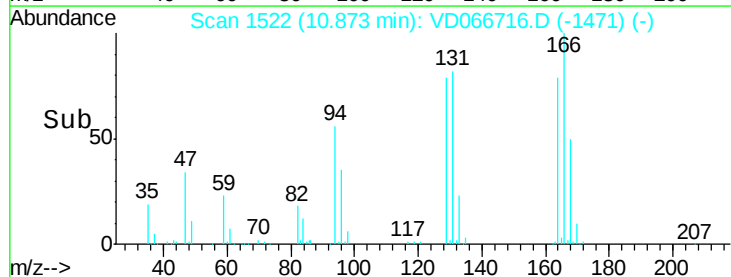
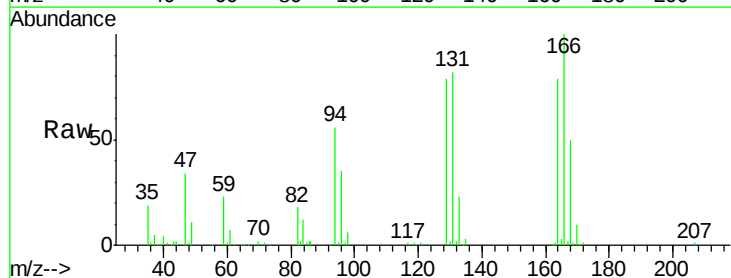
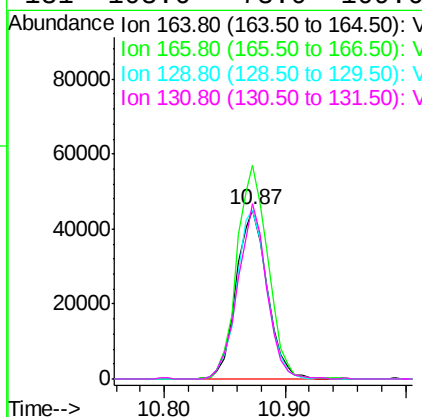
Manual Integrations
APPROVED

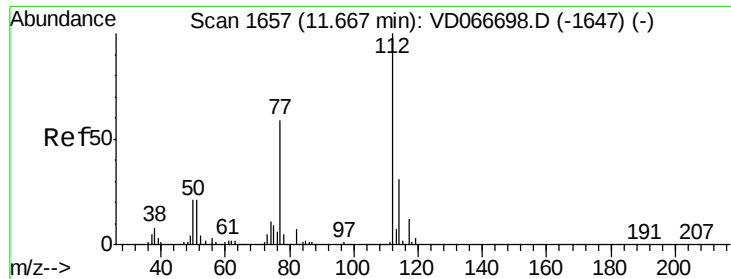
MMDadoda
9/17/2020 1:05:05 PM



#64
Tetrachloroethene
Concen: 18.659 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80427		
166	126.1	107.5	161.3	
129	99.6	81.4	122.0	
131	103.6	73.0	109.6	





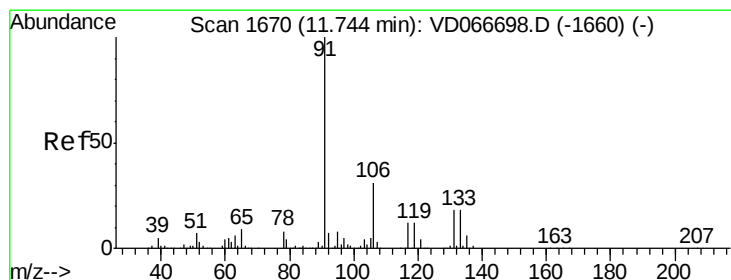
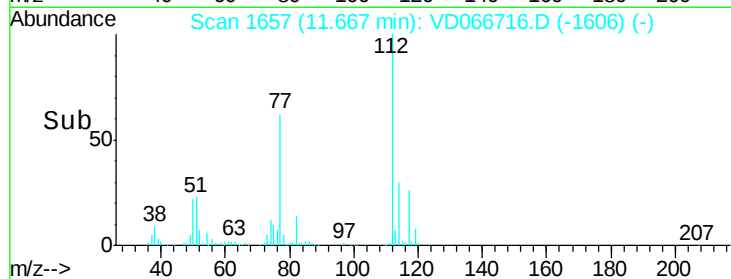
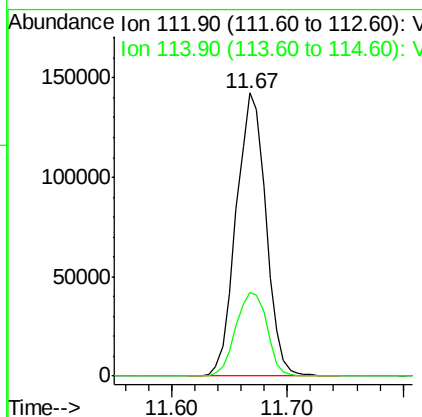
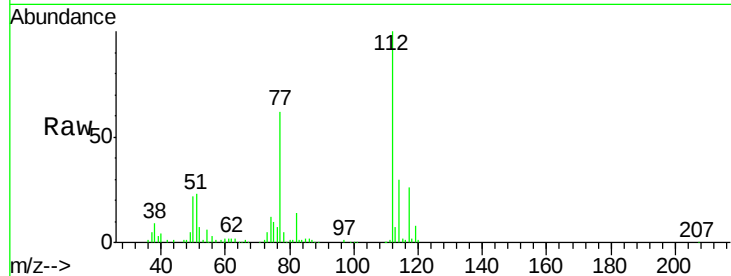
#65
Chlorobenzene
Concen: 19.459 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.7	25.0	37.6

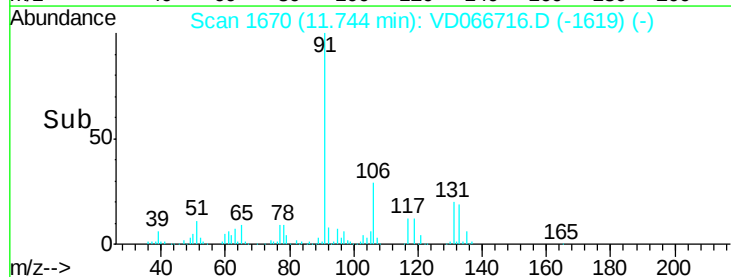
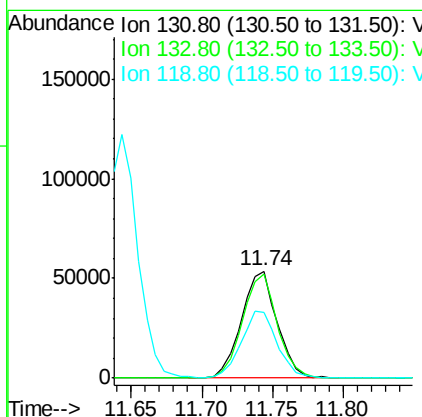
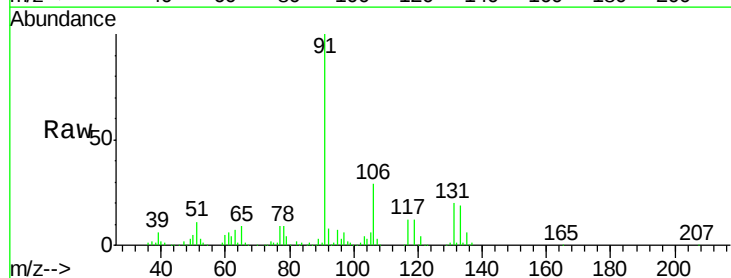
Manual Integrations
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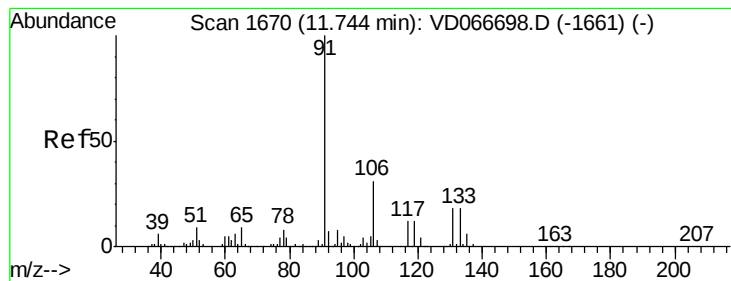
MMDadoda
9/17/2020 1:05:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.548 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.8	143.3
119	63.4	33.6	100.8





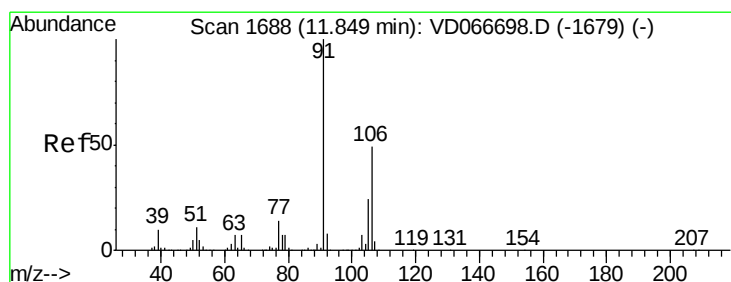
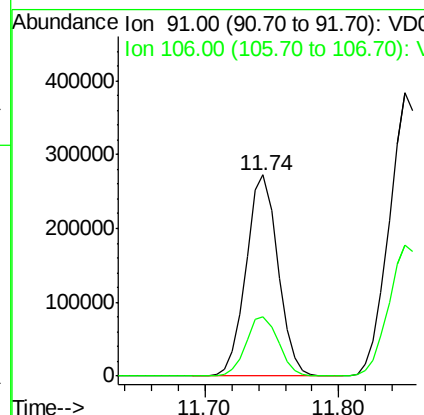
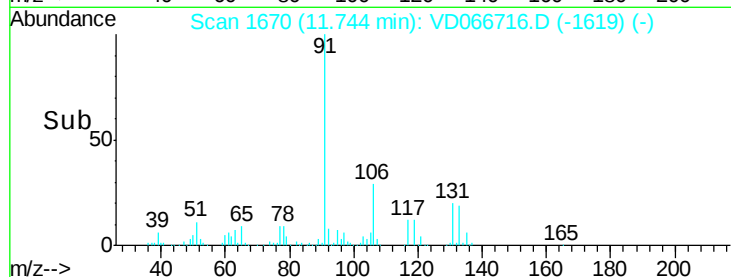
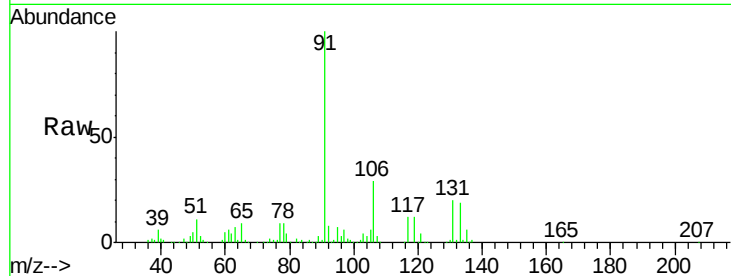
#67
Ethyl Benzene
Concen: 19.005 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBSD01

Tot Ion: 91 Resp: 450025
Ion Ratio Lower Upper
91 100
106 29.4 25.1 37.7

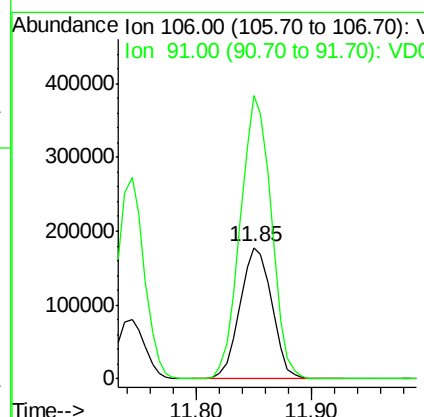
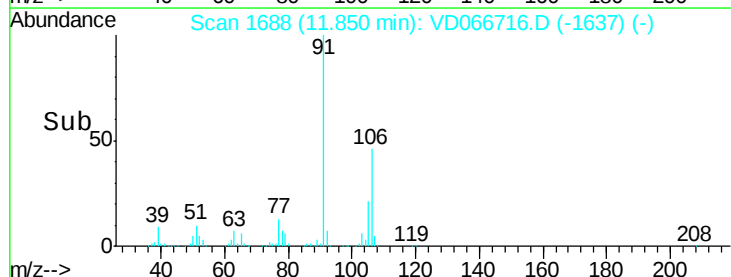
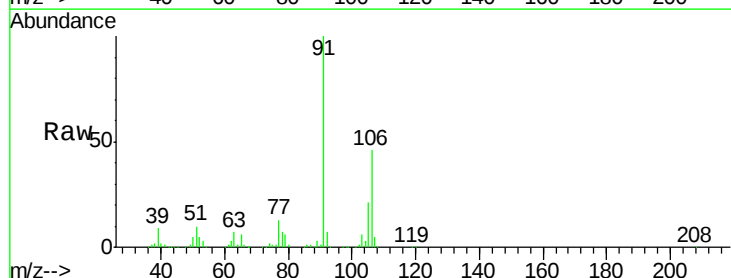
Manual Integrations
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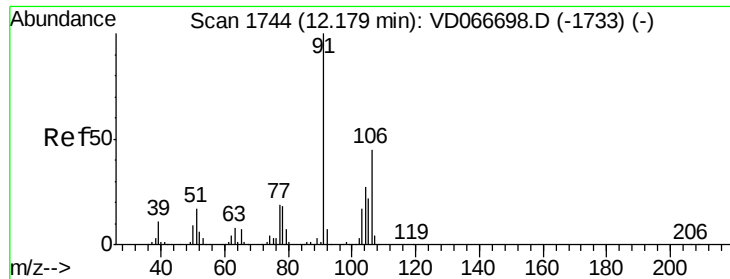
MMDadoda
9/17/2020 1:05:05 PM



#68
m/p-Xylenes
Concen: 38.124 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion: 106 Resp: 341191
Ion Ratio Lower Upper
106 100
91 209.8 164.8 247.2





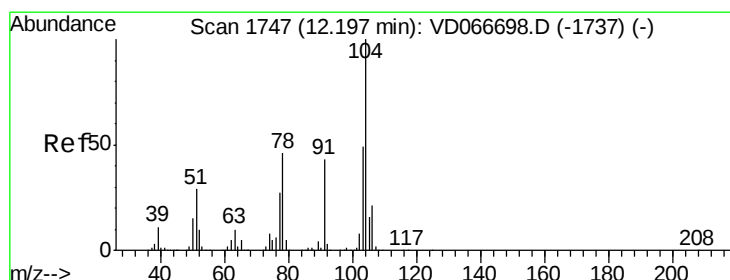
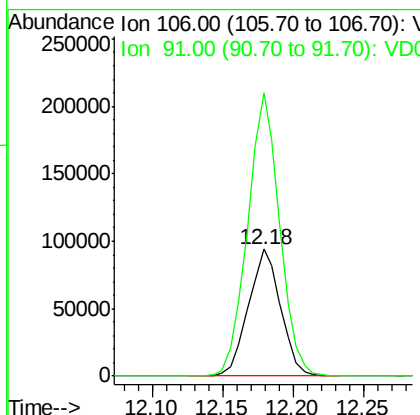
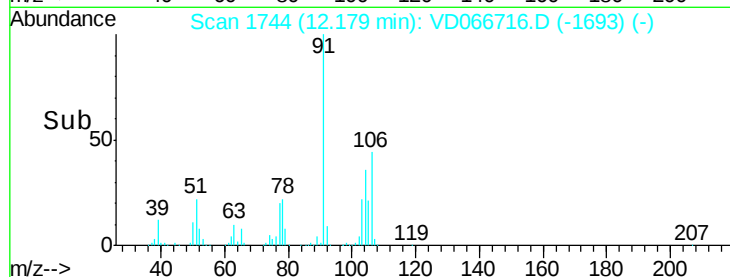
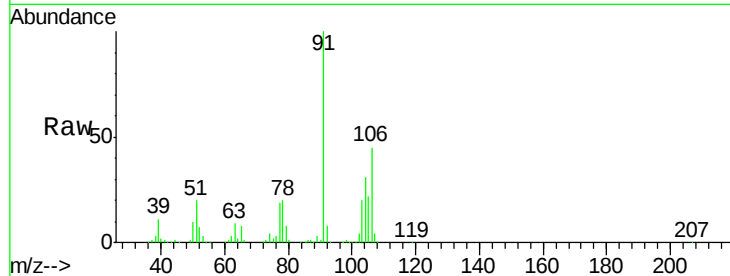
#69
o-Xylene
Concen: 19.126 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion:106 Resp: 151266
Ion Ratio Lower Upper
106 100
91 220.4 109.4 328.2

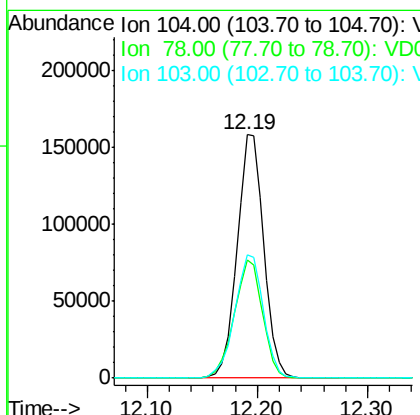
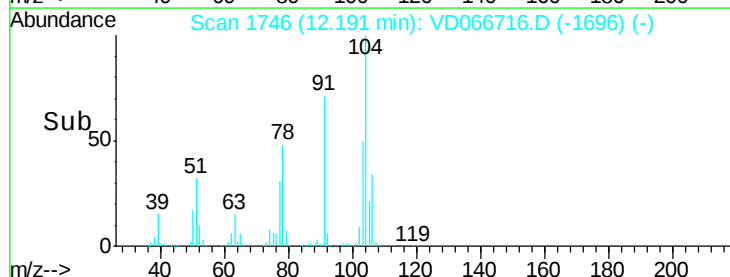
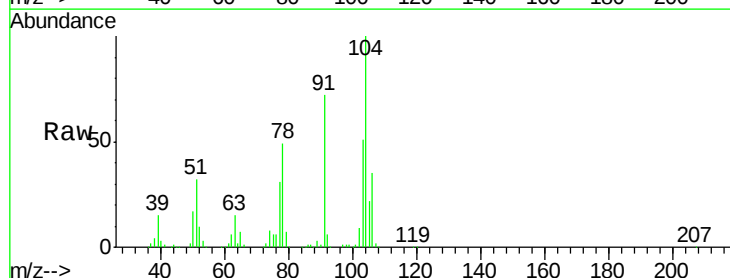
Manual Integrations
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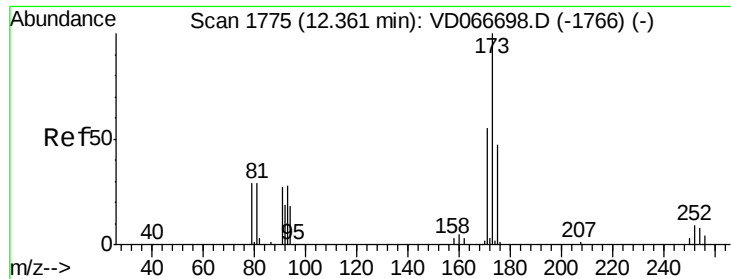
MMDadoda
9/17/2020 1:05:05 PM



#70
Styrene
Concen: 19.305 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion:104 Resp: 268719
Ion Ratio Lower Upper
104 100
78 51.4 40.2 60.4
103 54.5 42.5 63.7





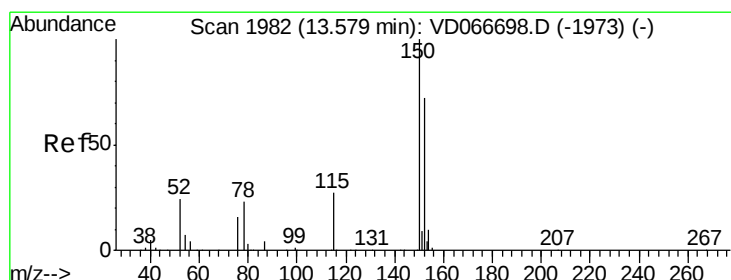
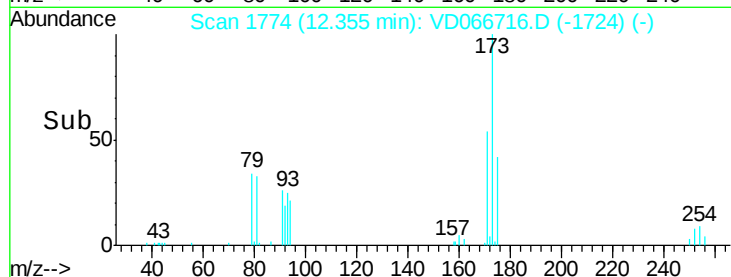
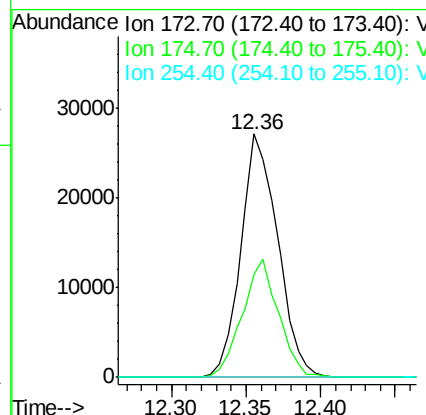
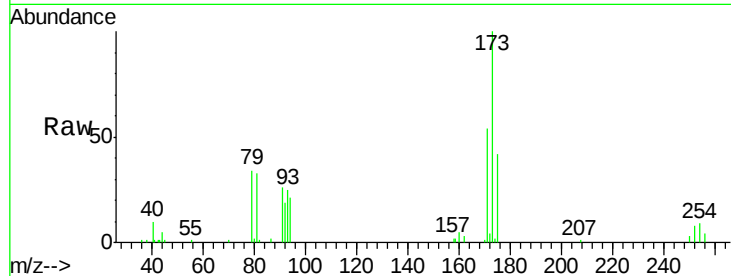
#71
Bromoform
Concen: 19.183 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	72.8
254	0.0	0.1	0.1#

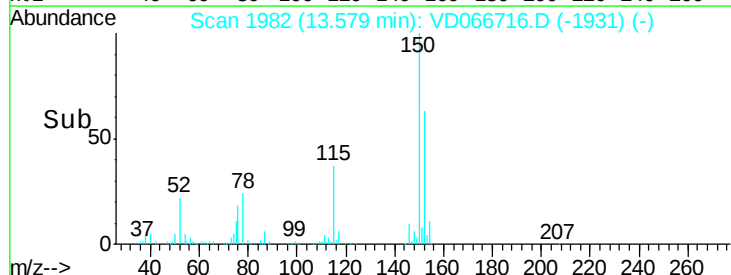
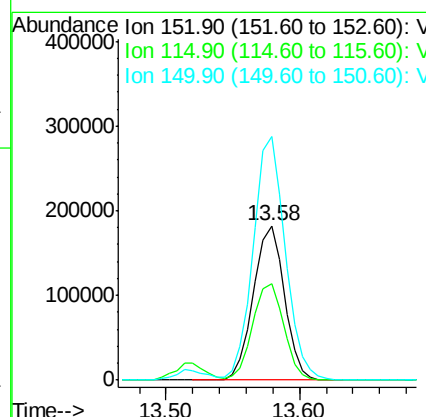
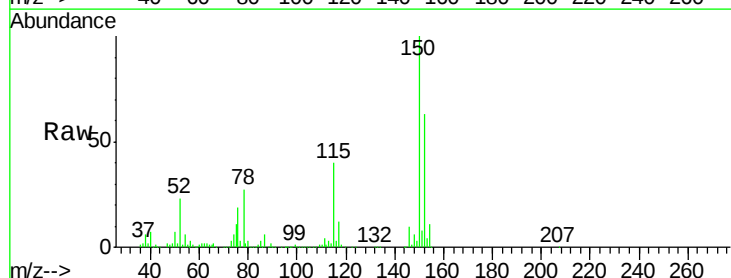
Manual Integrations
APPROVED

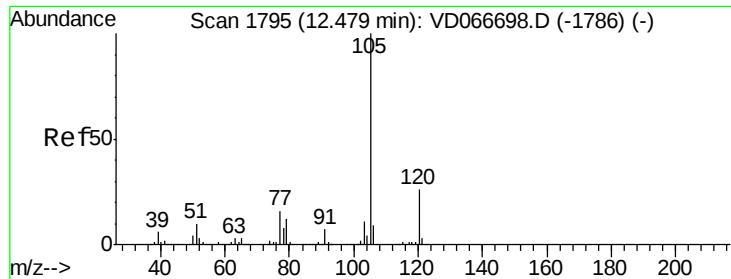
MMDadoda
9/17/2020 1:05:05 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	30.5	91.5
150	162.8	0.0	344.6





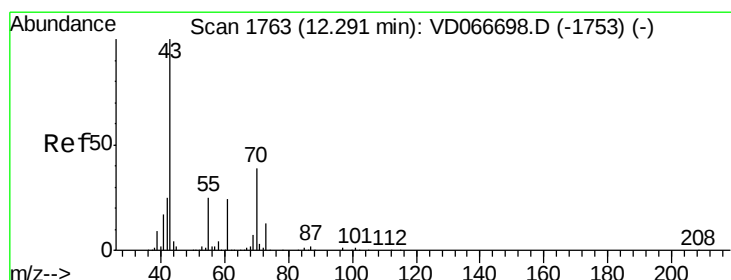
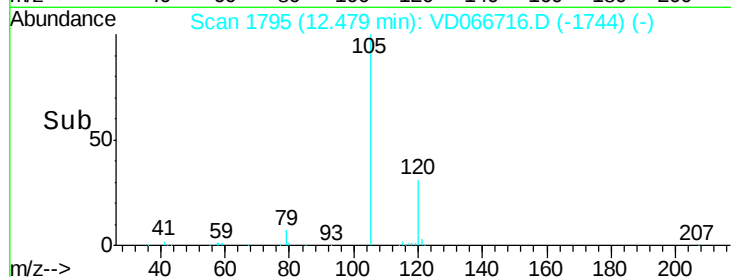
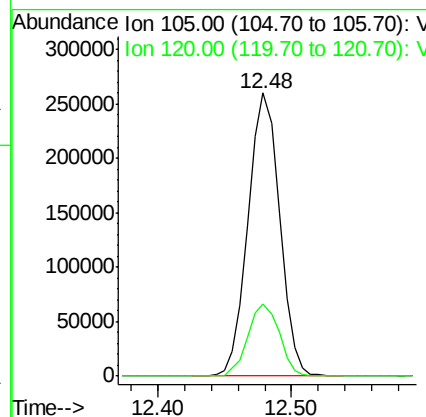
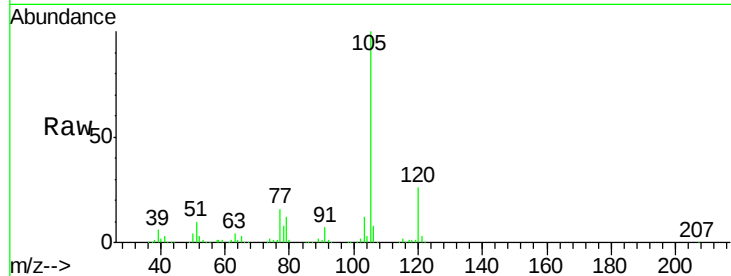
#73
Isopropylbenzene
Concen: 19.453 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.1	39.1

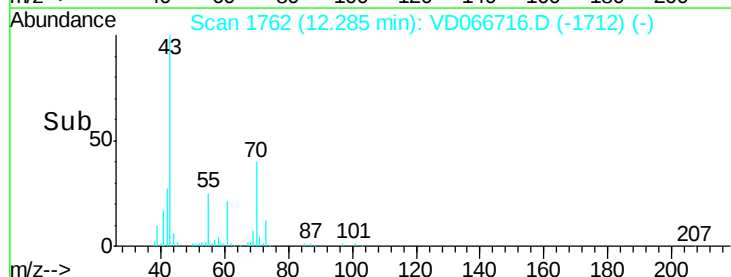
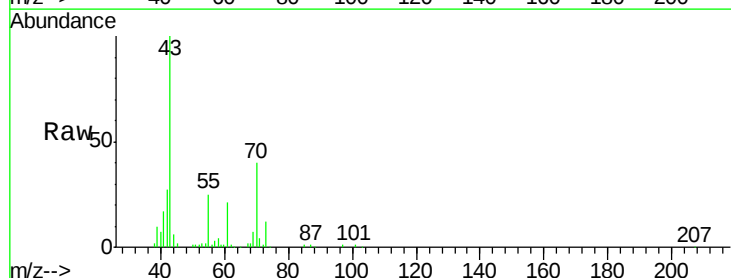
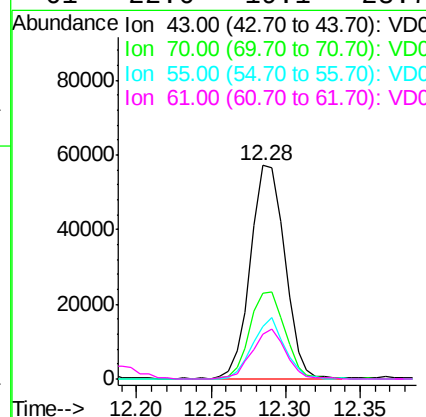
Manual Integrations
APPROVED

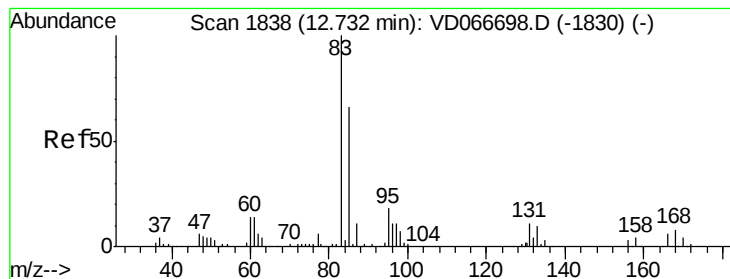
MMDadoda
9/17/2020 1:05:05 PM



#74
N-ethyl acetate
Concen: 19.891 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.7	33.0	49.4
55	26.4	20.6	30.8
61	22.6	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.339 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 83 Resp: 75382

Ion Ratio Lower Upper

83 100

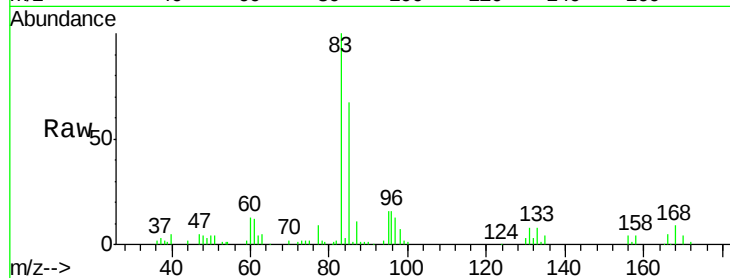
131 10.9 5.8 17.3

85 65.3 33.3 99.8

Manual Integrations
APPROVED

MMDadoda

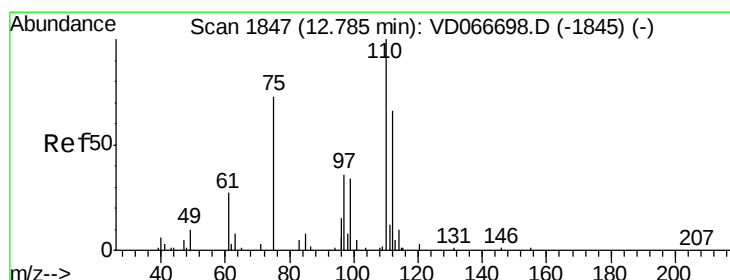
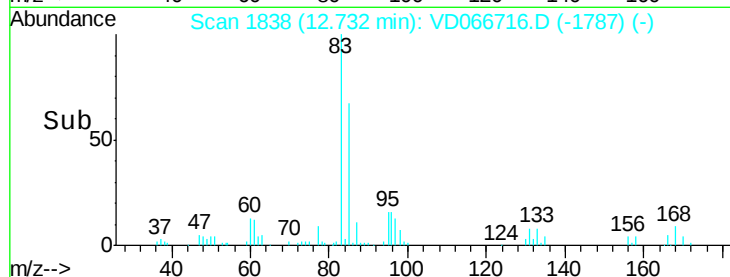
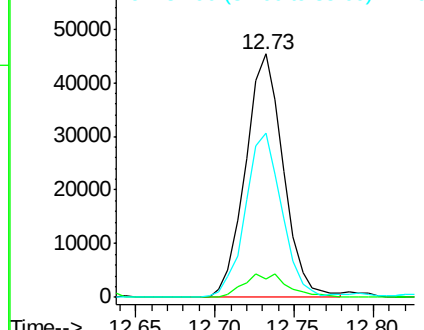
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 18.413 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066716.D

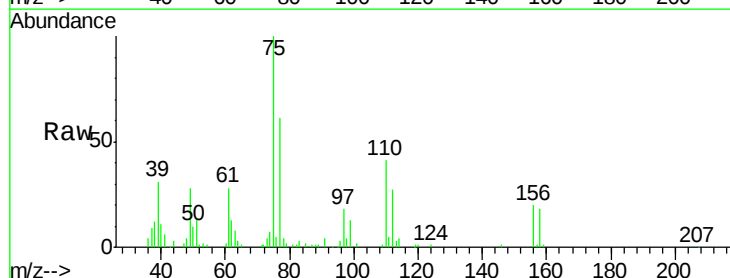
Acq: 16 Sep 2020 13:42

Tgt Ion: 75 Resp: 46049

Ion Ratio Lower Upper

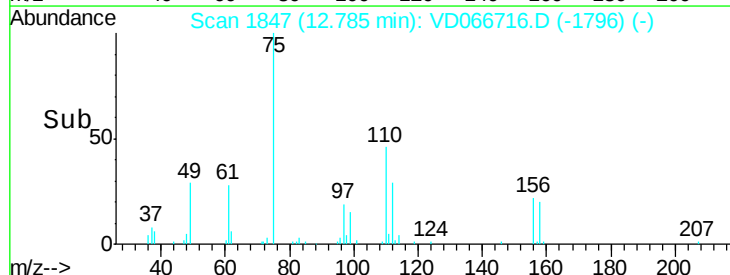
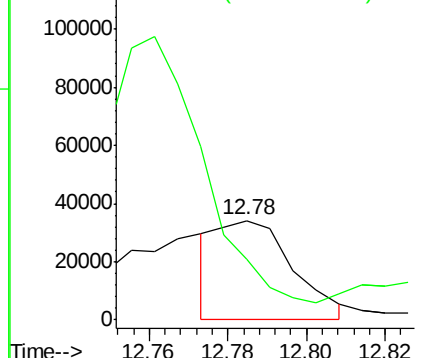
75 100

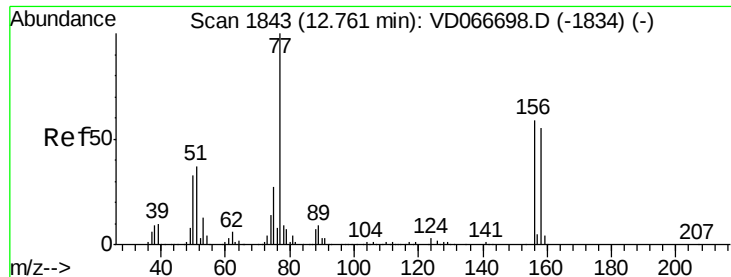
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





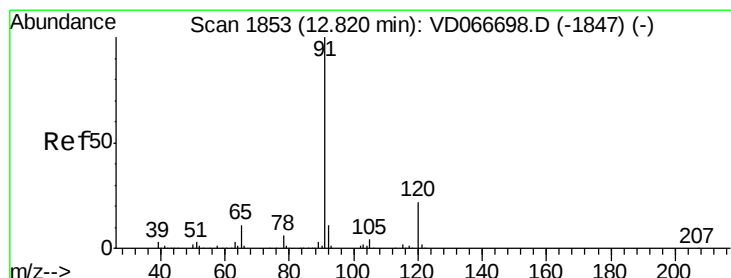
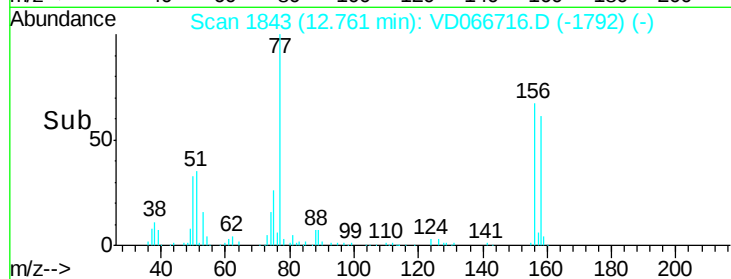
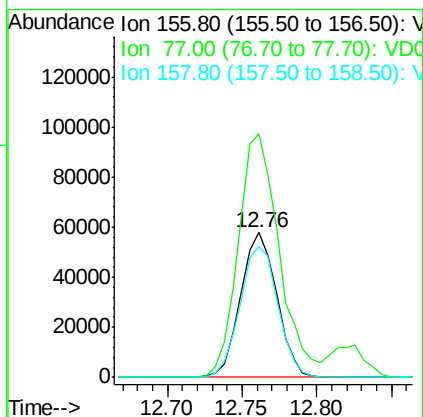
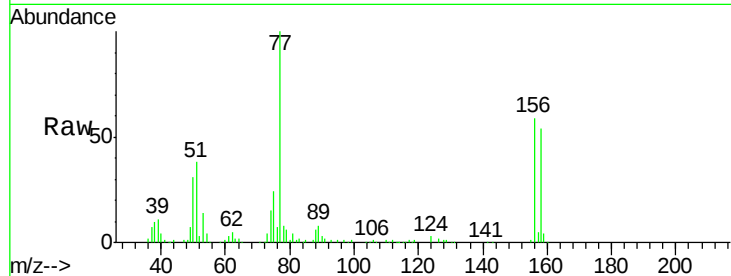
#77
Bromobenzene
Concen: 19.317 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.6	95.8	287.3
158	94.5	48.4	145.0

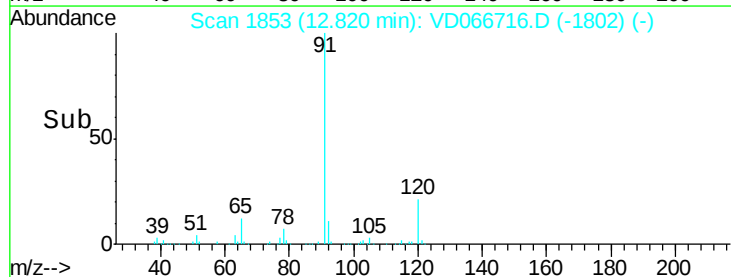
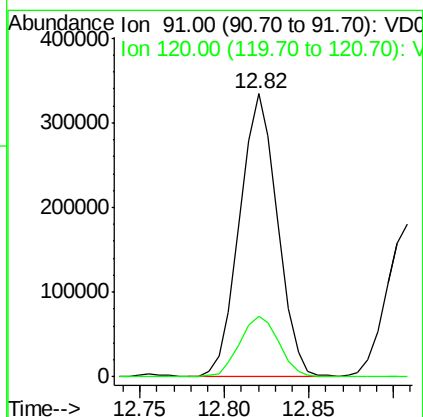
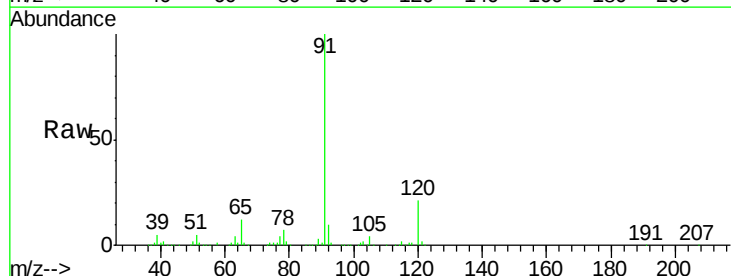
Manual Integrations
APPROVED

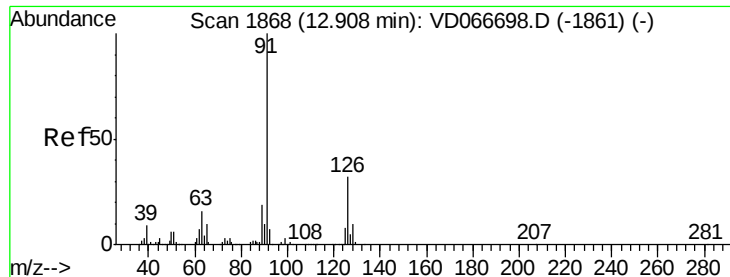
MMDadoda
9/17/2020 1:05:05 PM



#78
n-propylbenzene
Concen: 19.604 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.9





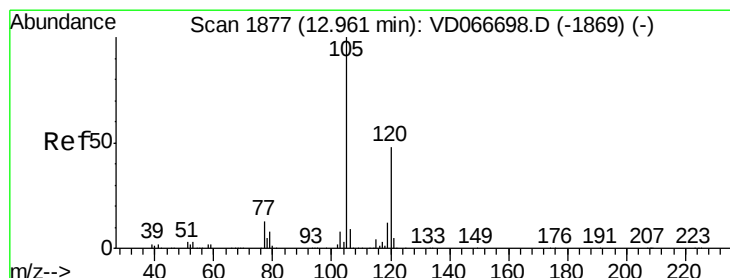
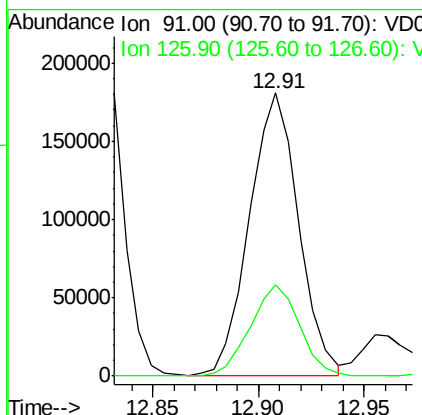
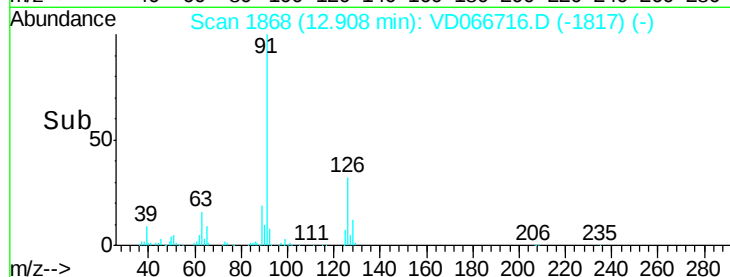
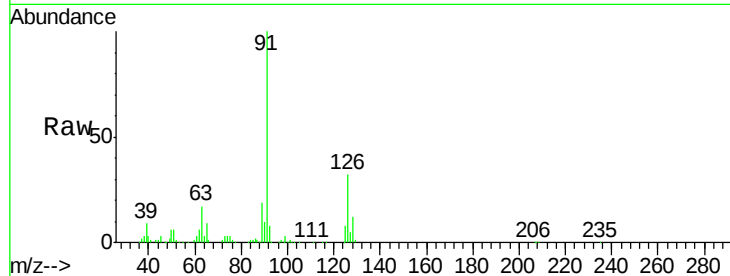
#79
2-Chlorotoluene
Concen: 19.393 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6

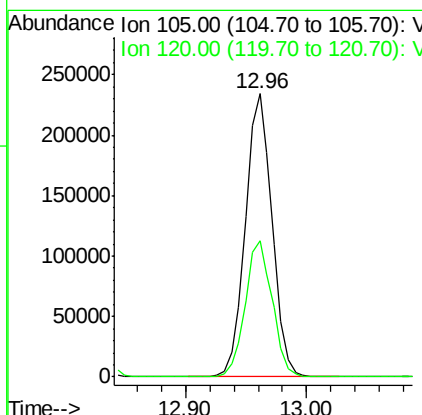
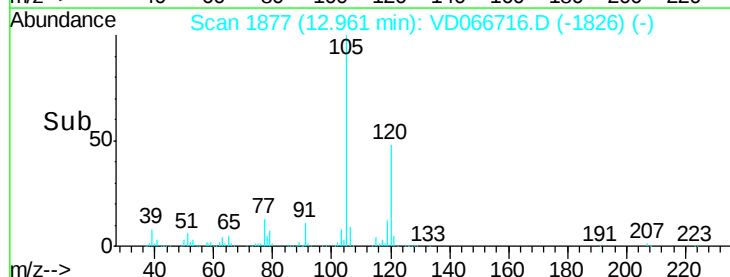
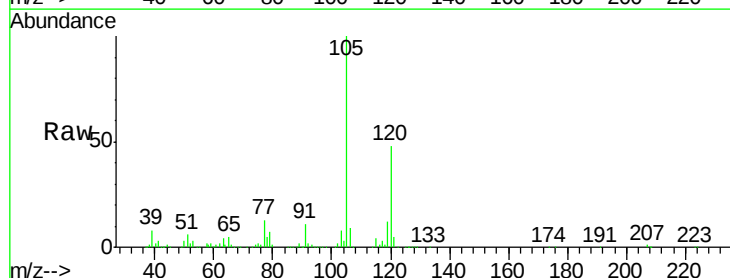
Manual Integrations
APPROVED

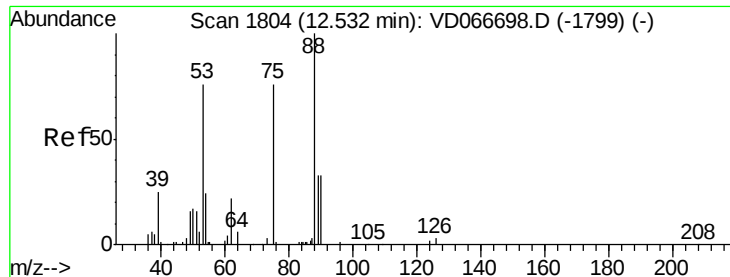
MMDadoda
9/17/2020 1:05:05 PM



#80
1,3,5-Trimethylbenzene
Concen: 19.569 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.9	71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.202 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

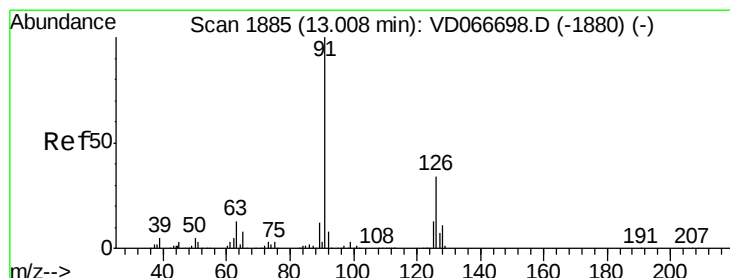
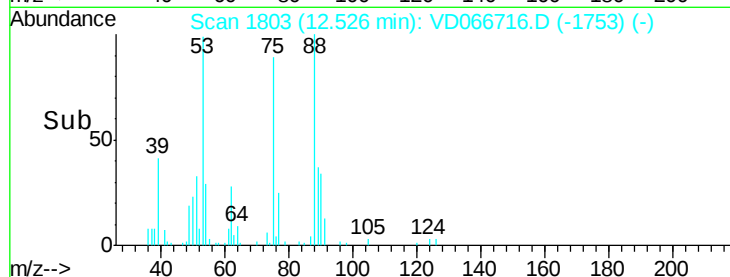
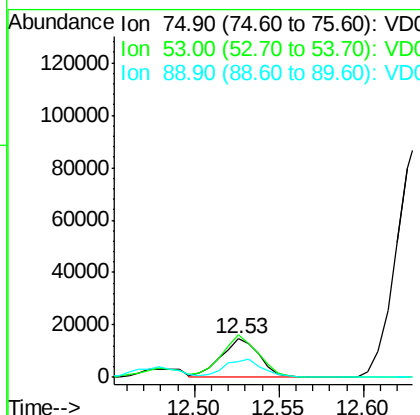
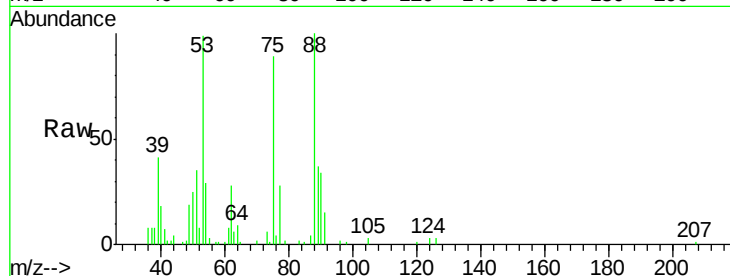
ClientSampleId :

VD0916SBS01

Tot Ion:	75	Resp:	23410
Ion	Ratio	Lower	Upper
75	100		
53	104.3	82.2	123.4
89	47.1	39.6	59.4

Manual Integrations
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9/17/2020 1:05:05 PM



#82

4-Chlorotoluene

Concen: 19.912 ug/l

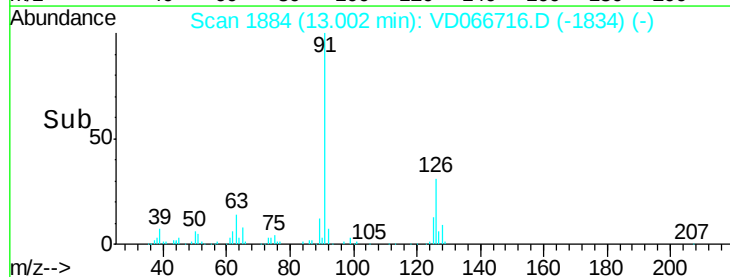
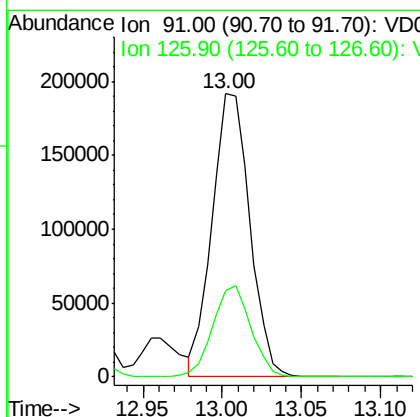
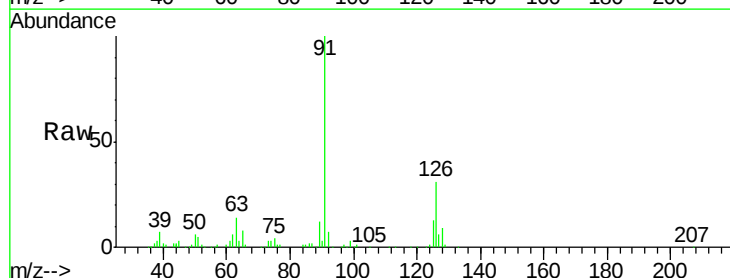
RT: 13.00 min Scan# 1884

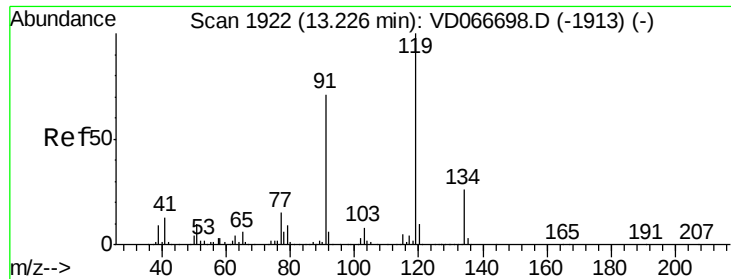
Delta R.T. -0.01 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Tgt Ion:	91	Resp:	316535
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.8	50.4





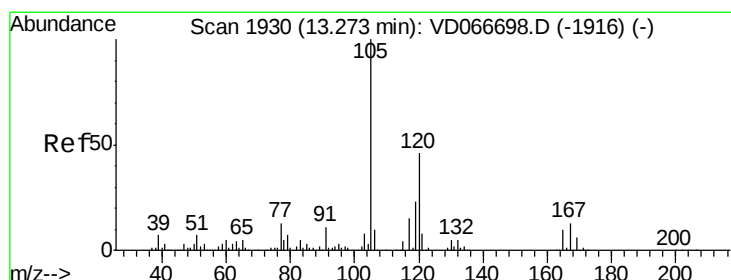
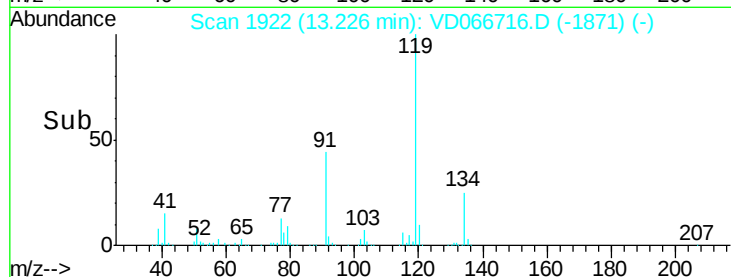
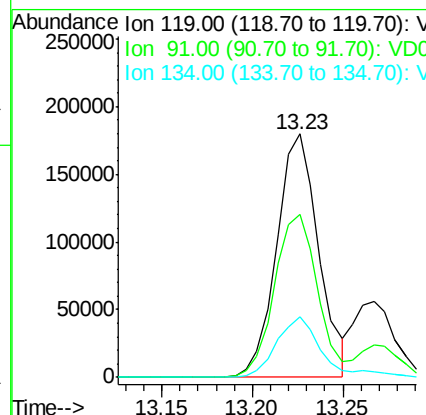
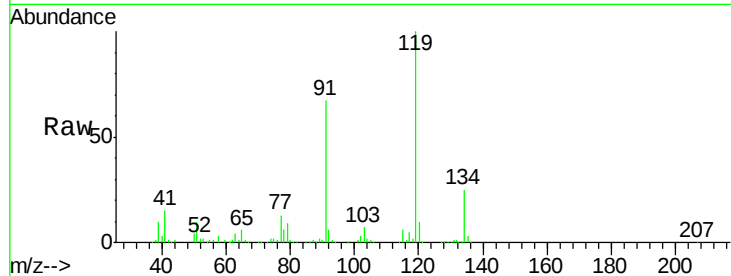
#83
tert-Butylbenzene
Concen: 19.161 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	291250		
91	68.4	35.0	105.1	
134	26.9	13.6	40.8	

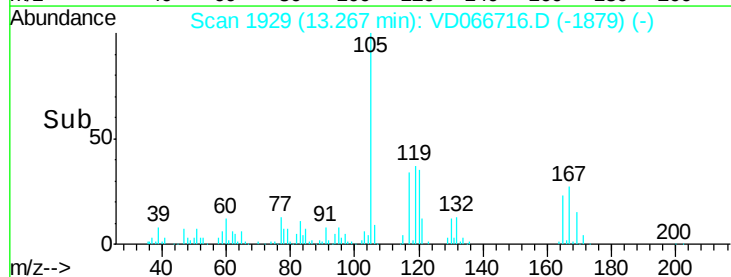
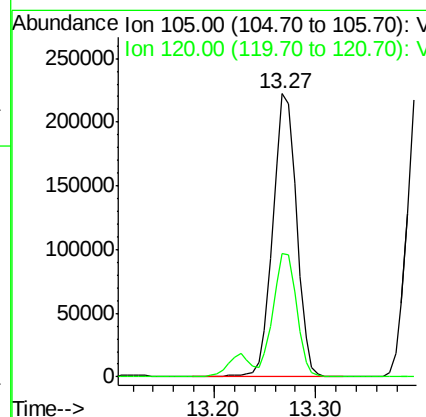
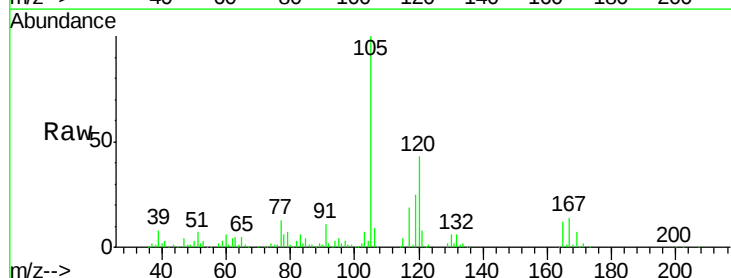
Manual Integrations
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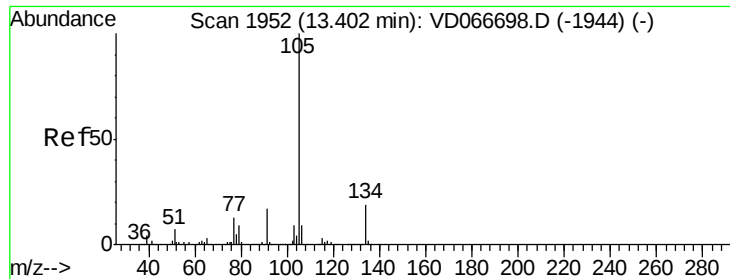
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.691 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	362902		
120	43.2	22.4	67.2	





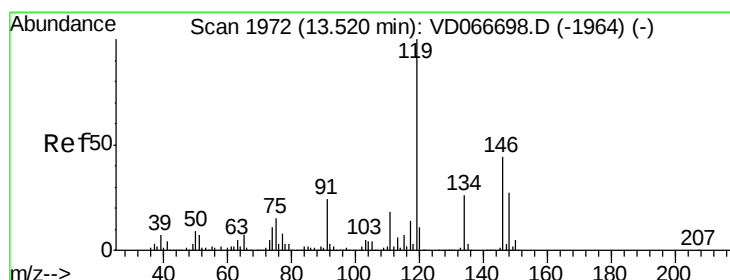
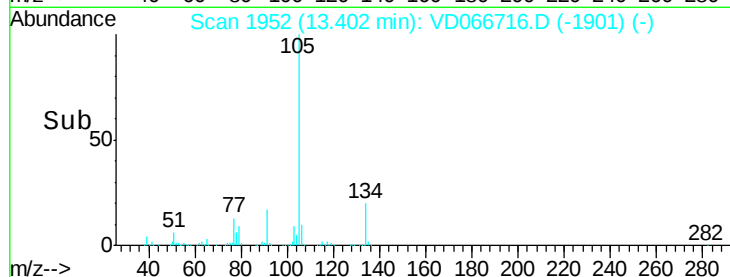
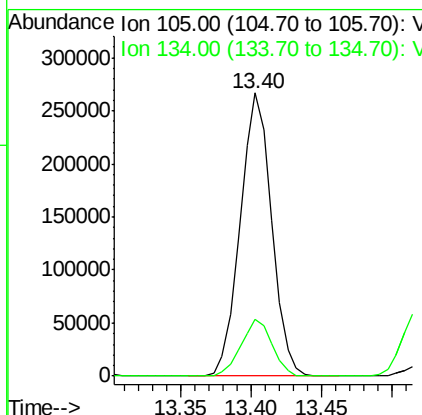
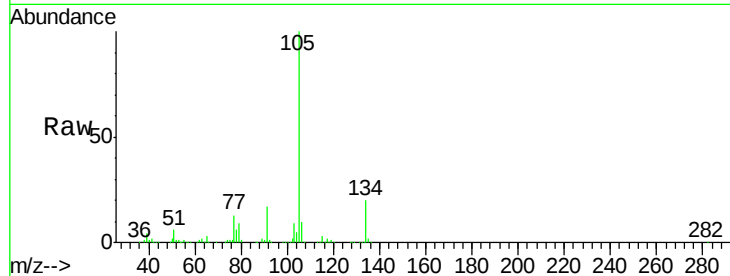
#85
 sec-Butylbenzene
 Concen: 19.059 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	30.0

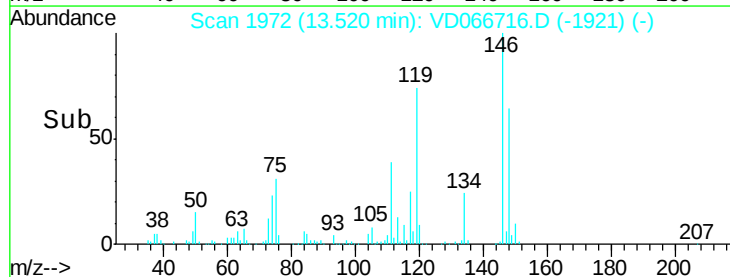
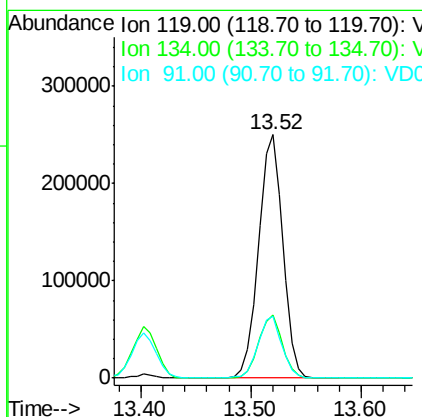
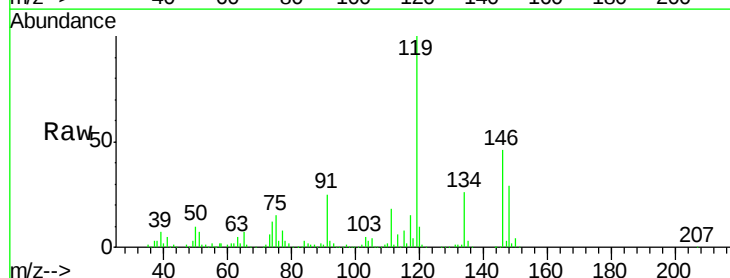
Manual Integrations
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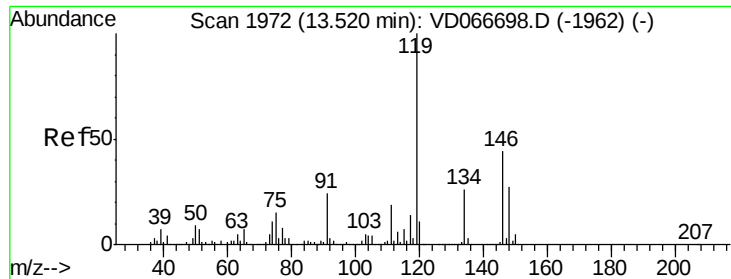
MMDadoda
 9/17/2020 1:05:05 PM



#86
 p-Isopropyltoluene
 Concen: 19.487 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.7
91	25.2	12.3	36.9





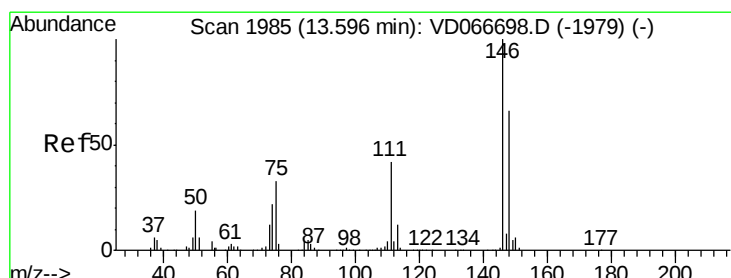
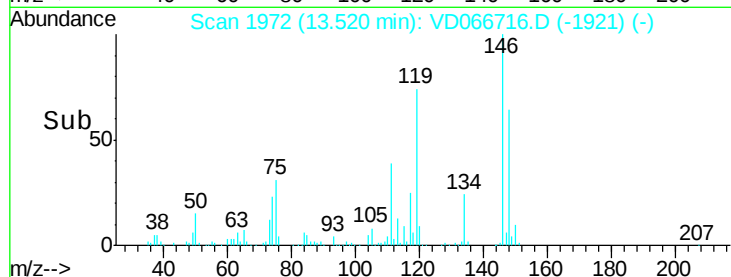
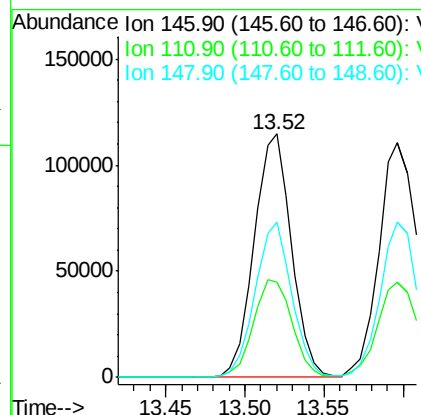
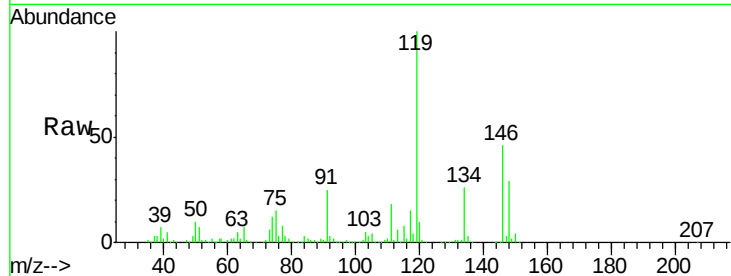
#87
 1,3-Dichlorobenzene
 Concen: 19.442 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	187509		
111	41.8		21.1	63.3
148	63.0		31.4	94.2

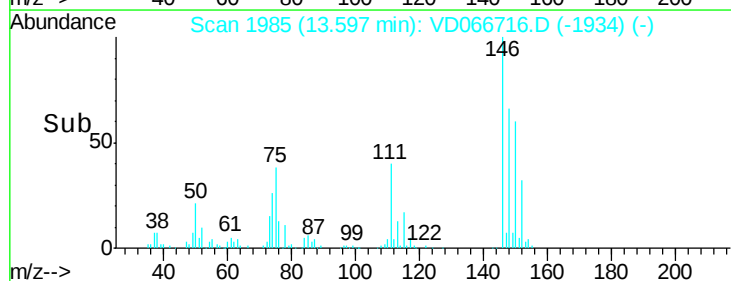
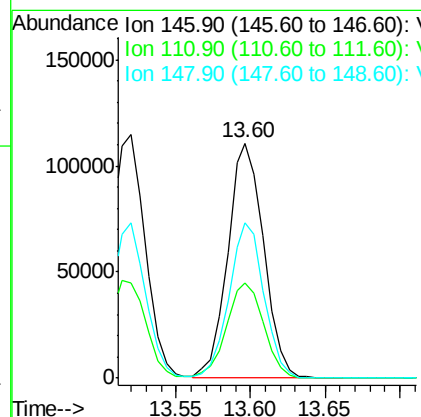
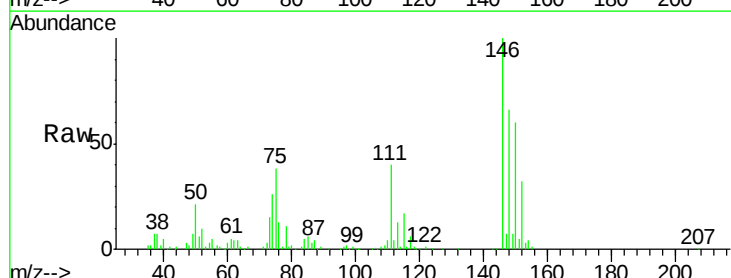
Manual Integrations
 APPROVED

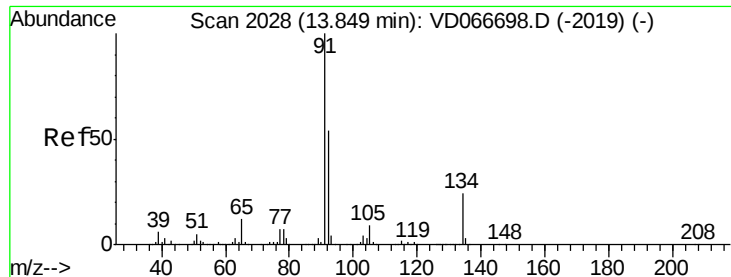
MMDadoda
 9/17/2020 1:05:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.407 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	186384		
111	42.0		20.5	61.6
148	64.4		32.7	98.1





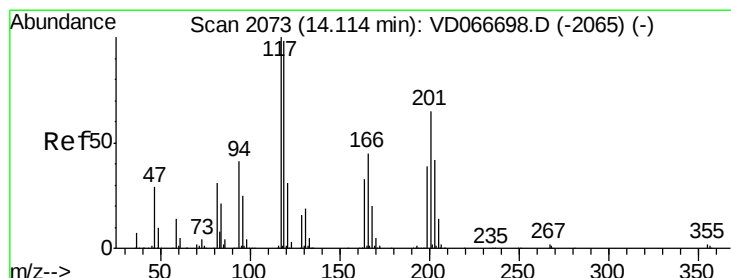
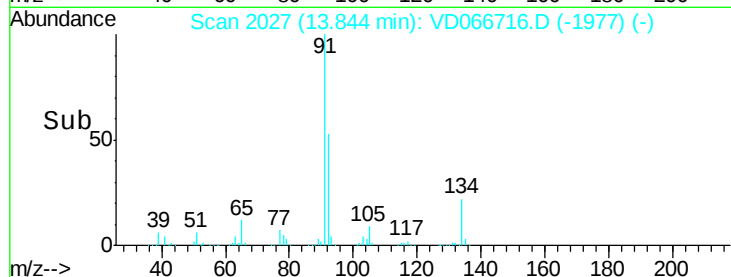
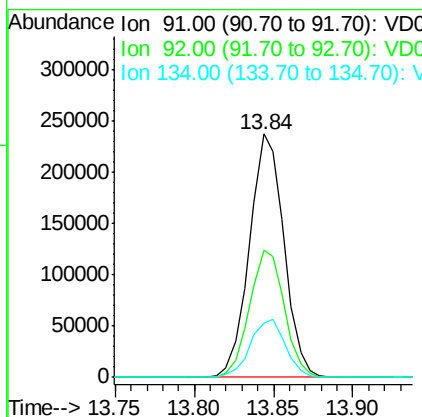
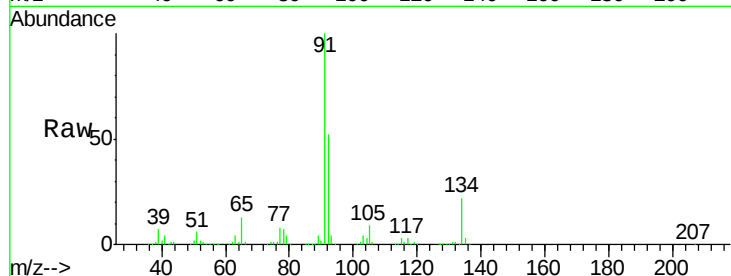
#89
n-Butylbenzene
Concen: 19.027 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	358421		
92	52.7	27.0	81.0	
134	24.3	12.4	37.0	

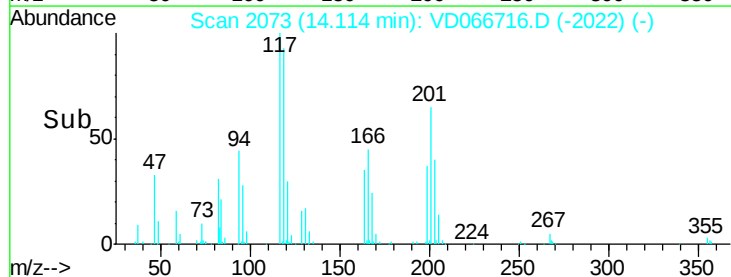
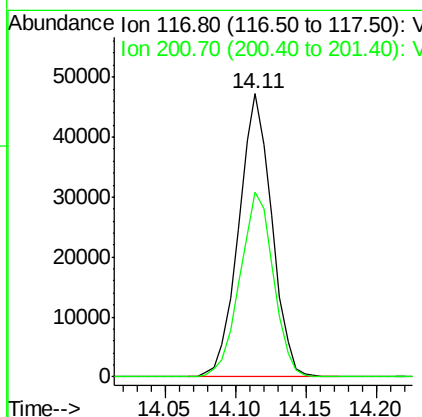
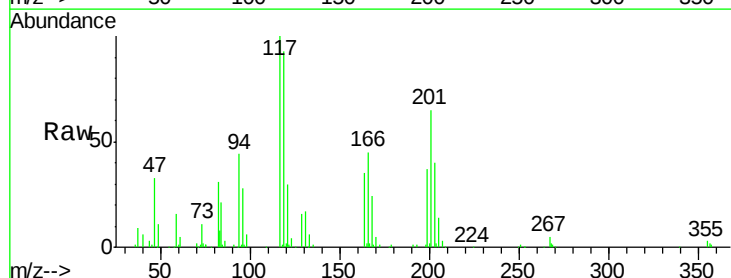
Manual Integrations
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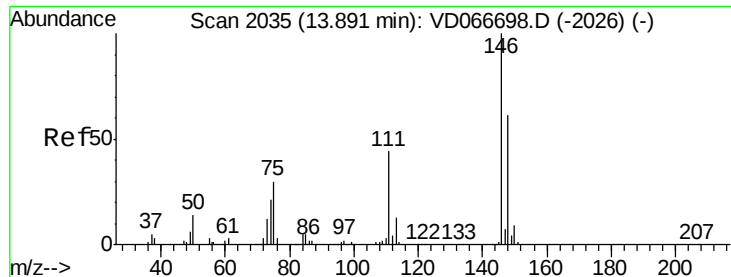
MMDadoda
9/17/2020 1:05:05 PM



#90
Hexachloroethane
Concen: 18.992 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066716.D
Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	77293		
201	66.1	33.1	99.3	





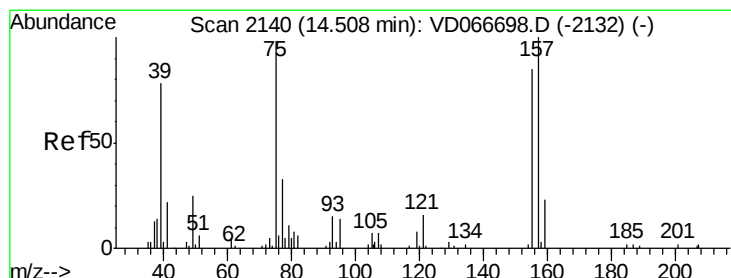
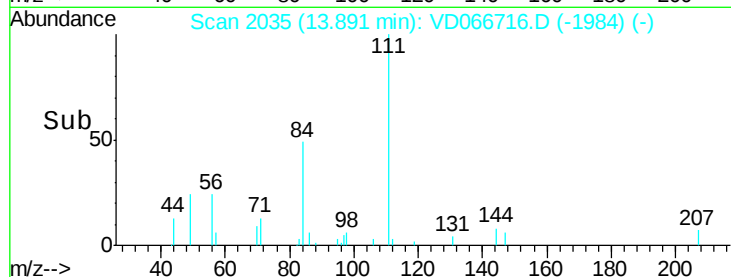
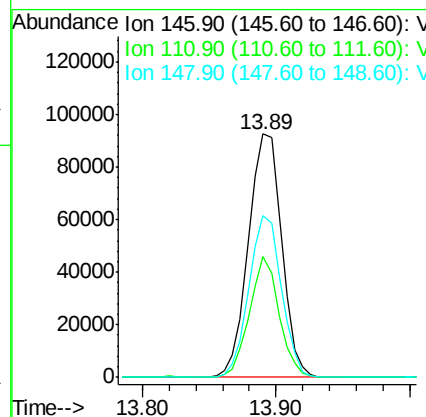
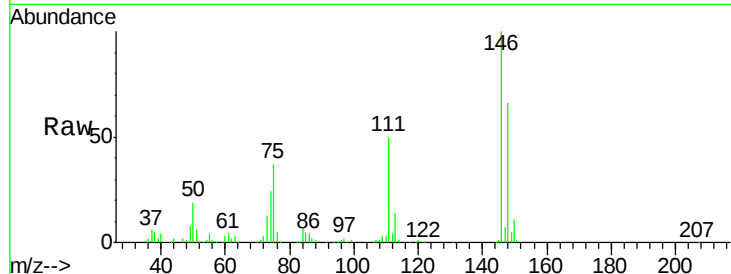
#91
 1,2-Dichlorobenzene
 Concen: 19.292 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	64.6
148	64.9	31.4	94.3

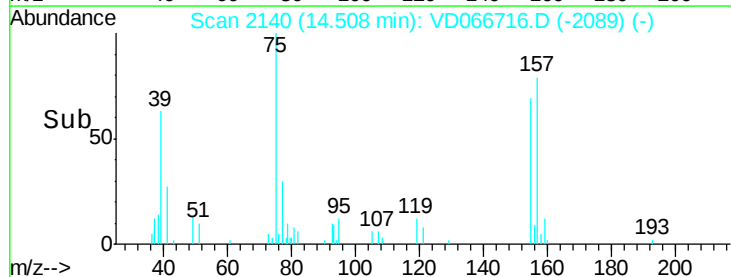
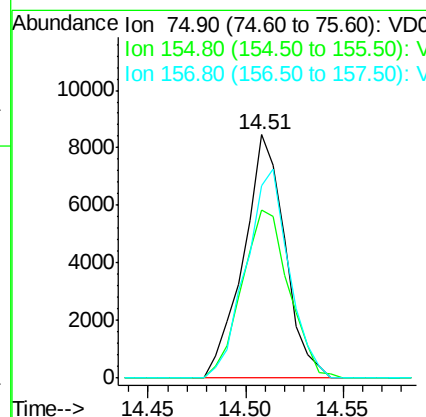
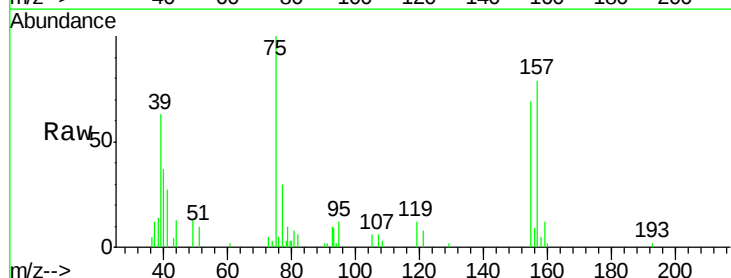
Manual Integrations
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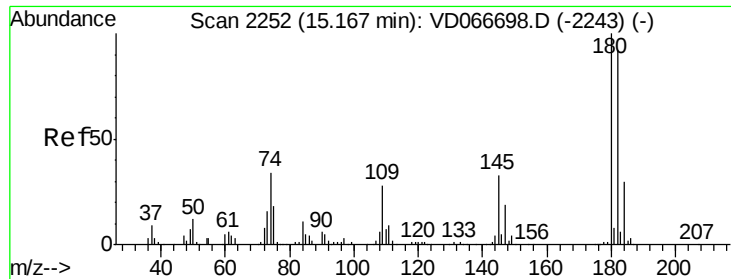
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.744 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	38.9	116.7
157	88.8	46.4	139.2





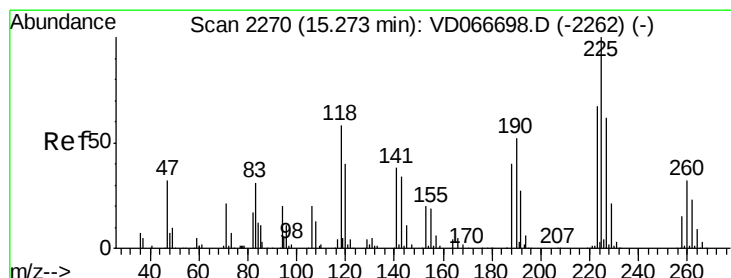
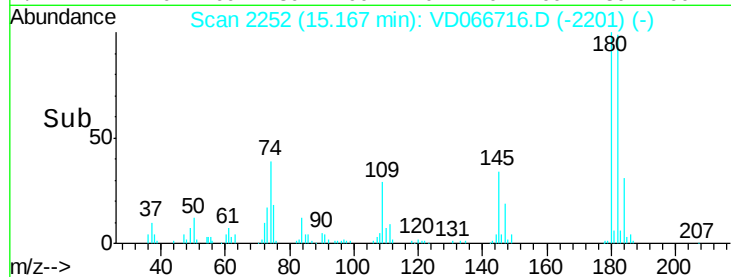
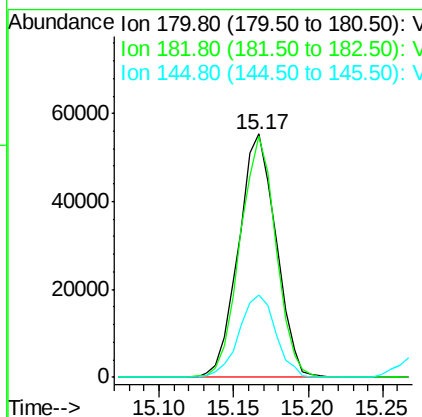
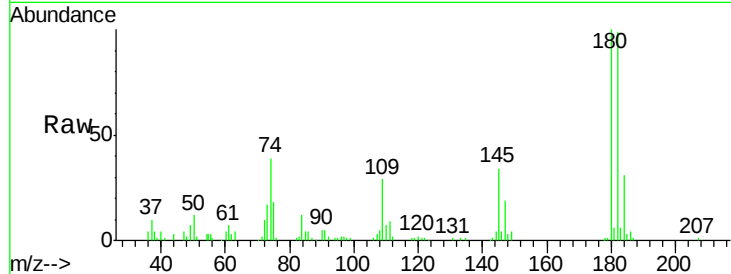
#93
 1,2,4-Trichlorobenzene
 Concen: 19.335 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96641		
182	94.3	46.6	139.7	
145	32.9	16.5	49.5	

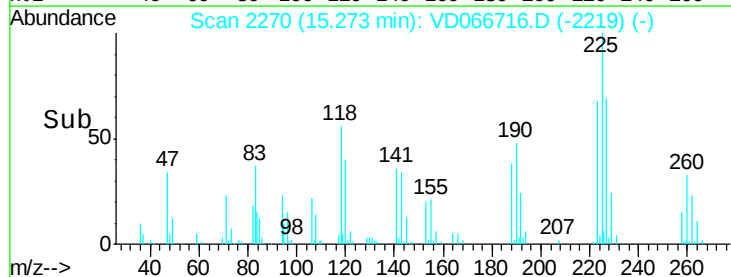
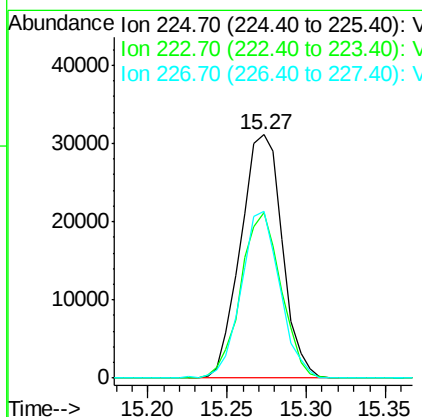
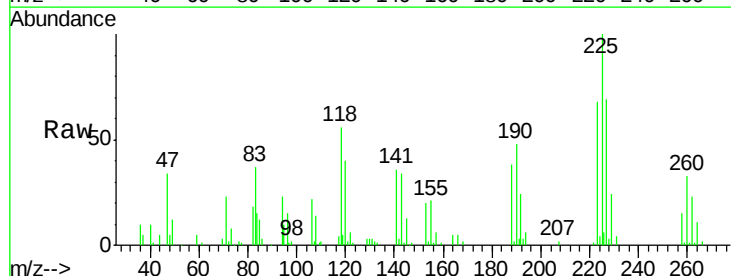
Manual Integrations
 APPROVED

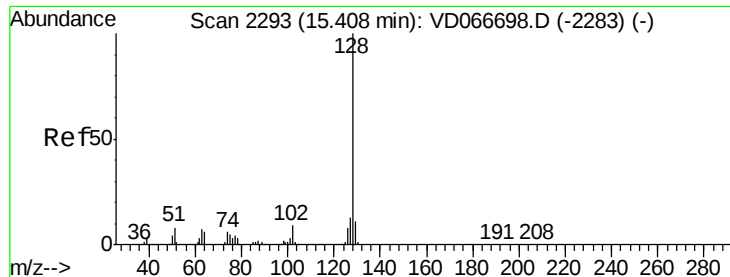
MMDadoda
 9/17/2020 1:05:05 PM



#94
 Hexachlorobutadiene
 Concen: 18.887 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066716.D
 Acq: 16 Sep 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56877		
223	65.8	31.9	95.9	
227	63.7	31.3	93.9	





#95

Naphthalene

Concen: 19.301 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Instrument :

MSVOA_D

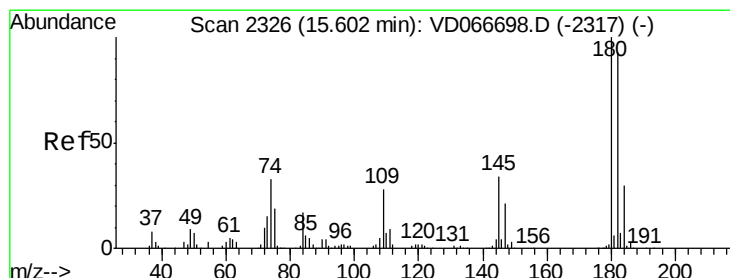
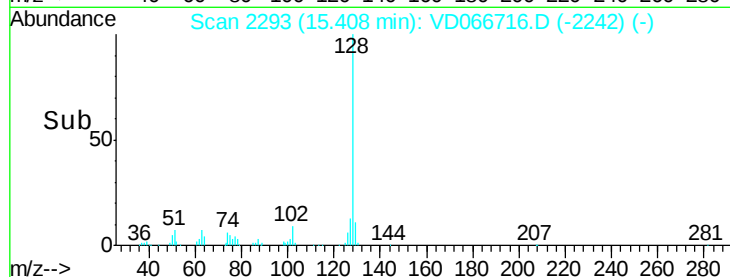
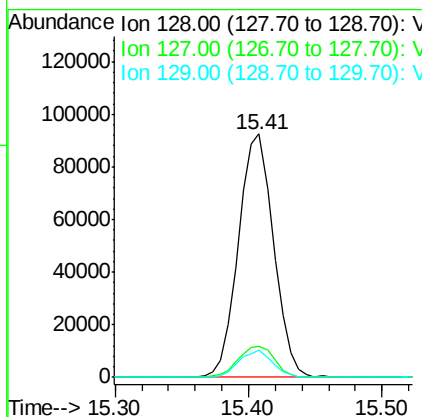
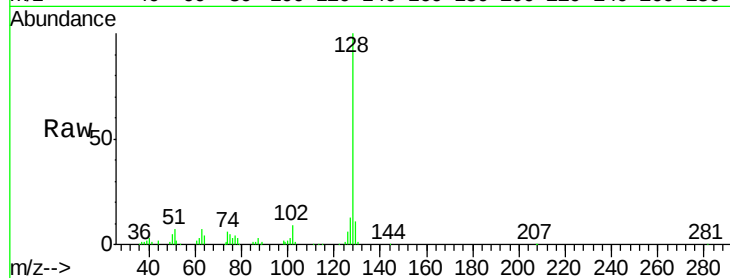
ClientSampleId :

VD0916SBS01

Tot Ion:	128	Resp:	168555
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 19.121 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066716.D

Acq: 16 Sep 2020 13:42

Tgt Ion:	180	Resp:	83480
Ion Ratio	Lower	Upper	
180	100		
182	97.8	46.6	139.8
145	35.5	17.1	51.3

