

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066804.D
 Acq On : 22 Sep 2020 11:43
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 9/23/2020 1:04:57 PM

Quant Time: Sep 22 13:00:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	408799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	667244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	600435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288783	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	78458	18.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.70%	
35) Dibromofluoromethane	7.91	113	83049	20.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.40%	
50) Toluene-d8	10.34	98	275985	19.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.02%	
62) 4-Bromofluorobenzene	12.63	95	97261	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	77713	23.012	ug/l	99
3) Chloromethane	2.21	50	80505	18.627	ug/l	99
4) Vinyl Chloride	2.35	62	75709	16.857	ug/l	99
5) Bromomethane	2.76	94	53095	16.710	ug/l	98
6) Chloroethane	2.91	64	47852	17.240	ug/l	99
7) Trichlorofluoromethane	3.27	101	155526	19.563	ug/l	99
8) Diethyl Ether	3.71	74	37259	18.536	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91408	20.804	ug/l	99
10) Methyl Iodide	4.30	142	73515	17.902	ug/l	95
11) Tert butyl alcohol	5.22	59	31327	72.163	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	82323	20.201	ug/l	95
13) Acrolein	3.93	56	30564	100.166	ug/l	95
14) Allyl chloride	4.71	41	117854	18.269	ug/l	99
15) Acrylonitrile	5.43	53	85656	97.029	ug/l	100
16) Acetone	4.16	43	79695	89.069	ug/l	93
17) Carbon Disulfide	4.40	76	258527	20.349	ug/l	95
18) Methyl Acetate	4.72	43	40220	18.764	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	170689	18.858	ug/l	100
20) Methylene Chloride	4.97	84	104389	17.461	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	93410	19.742	ug/l	85
22) Diisopropyl ether	6.37	45	254510	19.380	ug/l	99
23) Vinyl Acetate	6.31	43	611226	84.483	ug/l	98
24) 1,1-Dichloroethane	6.26	63	160090	19.046	ug/l	98
25) 2-Butanone	7.21	43	102988	90.424	ug/l	98
26) 2,2-Dichloropropane	7.20	77	147525	19.048	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	104370	20.168	ug/l	99
28) Bromochloromethane	7.54	49	64537	20.009	ug/l #	100
29) Tetrahydrofuran	7.56	42	63929	91.491	ug/l	98
30) Chloroform	7.71	83	176130	19.718	ug/l	99
31) Cyclohexane	7.99	56	148683	19.581	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	159200	19.482	ug/l	99
36) 1,1-Dichloropropene	8.11	75	134821	19.725	ug/l	99
37) Ethyl Acetate	7.29	43	44213	17.104	ug/l #	92
38) Carbon Tetrachloride	8.10	117	143679	19.747	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	153579	19.649	ug/l	98
40) Benzene	8.35	78	373879	20.113	ug/l	96
41) Methacrylonitrile	7.54	41	35964	25.747	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	110935	19.450	ug/l	100
43) Isopropyl Acetate	8.44	43	89233	18.298	ug/l	99
44) Trichloroethene	9.11	130	103963	20.748	ug/l	100
45) 1,2-Dichloropropane	9.38	63	92195	19.978	ug/l	98
46) Dibromomethane	9.47	93	51066	20.092	ug/l	98
47) Bromodichloromethane	9.66	83	136893	19.922	ug/l	98
48) Methyl methacrylate	9.46	41	42488	17.410	ug/l	99
49) 1,4-Dioxane	9.46	88	12480	457.571	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	221587	88.328	ug/l	100
52) Toluene	10.40	92	241101	20.239	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	112882	18.453	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	138855	19.108	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	69832	20.738	ug/l	97
56) Ethyl methacrylate	10.66	69	70571	18.711	ug/l	97
57) 1,3-Dichloropropane	10.94	76	115571	19.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	194558	115.866	ug/l	98
59) 2-Hexanone	10.98	43	152272	90.324	ug/l	100
60) Dibromochloromethane	11.14	129	88764	20.353	ug/l	98
61) 1,2-Dibromoethane	11.24	107	62763	19.538	ug/l	97
64) Tetrachloroethene	10.87	164	88530	21.444	ug/l	97
65) Chlorobenzene	11.67	112	250388	20.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	94722	20.524	ug/l	99
67) Ethyl Benzene	11.74	91	441564	19.713	ug/l	98
68) m/p-Xylenes	11.85	106	338114	39.831	ug/l	97
69) o-Xylene	12.18	106	150232	19.967	ug/l	100
70) Styrene	12.19	104	262343	19.859	ug/l	98
71) Bromoform	12.36	173	46196	19.882	ug/l #	99
73) Isopropylbenzene	12.48	105	415034	19.326	ug/l	98
74) N-amyl acetate	12.29	43	76993	17.067	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	71087	19.266	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	43767m	17.605	ug/l	
77) Bromobenzene	12.76	156	97982	19.607	ug/l	98
78) n-propylbenzene	12.82	91	500984	19.182	ug/l	99
79) 2-Chlorotoluene	12.91	91	287285	19.460	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	360905	19.904	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17252	15.260	ug/l	88
82) 4-Chlorotoluene	13.00	91	306518	19.581	ug/l	98
83) tert-Butylbenzene	13.23	119	284362	18.983	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	358676	19.783	ug/l	99
85) sec-Butylbenzene	13.40	105	420542	19.623	ug/l	98
86) p-Isopropyltoluene	13.52	119	380535	19.544	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	190855	19.992	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183660	19.302	ug/l	97
89) n-Butylbenzene	13.85	91	357267	19.370	ug/l	99
90) Hexachloroethane	14.11	117	74419	18.692	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	160567	19.615	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10227	17.327	ug/l	93

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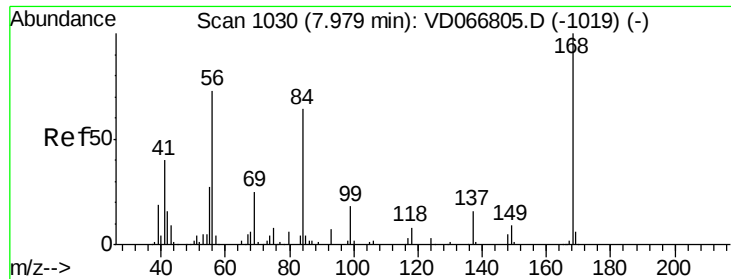
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	101141	20.413	ug/l	96
94) Hexachlorobutadiene	15.27	225	59233	19.814	ug/l	96
95) Naphthalene	15.41	128	161300	18.466	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	87509	20.056	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 408799

Ion Ratio Lower Upper

168 100

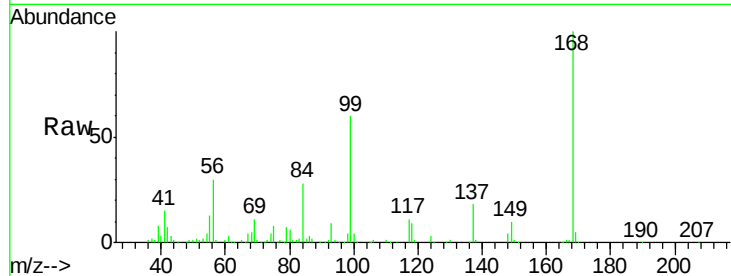
99 60.1 46.6 69.8

Manual Integrations

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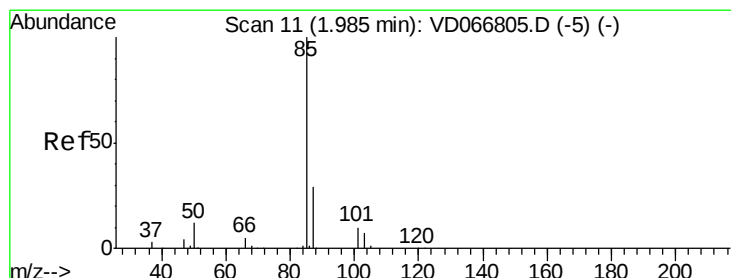
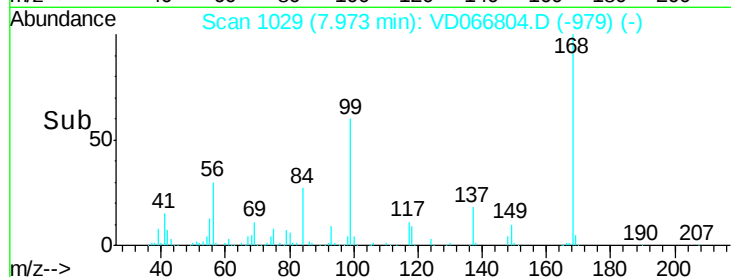
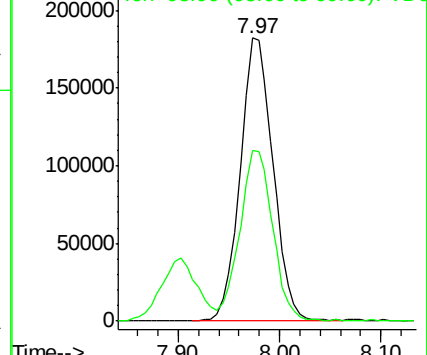
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.012 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066804.D

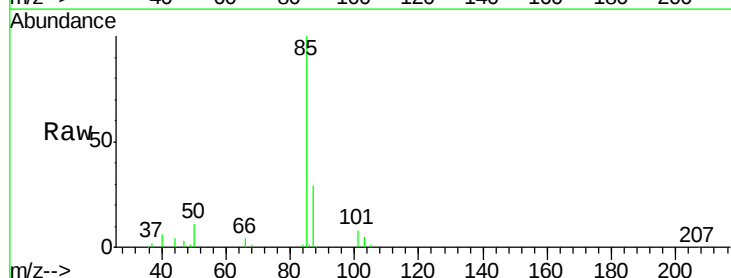
Acq: 22 Sep 2020 11:43

Tgt Ion: 85 Resp: 77713

Ion Ratio Lower Upper

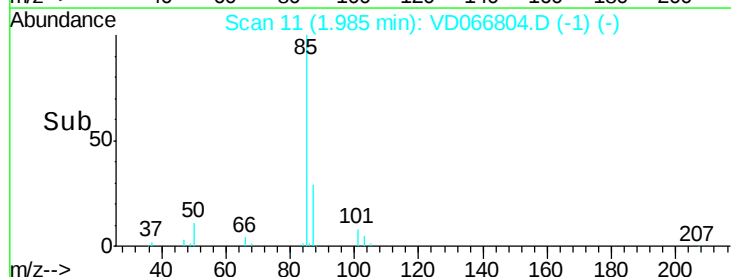
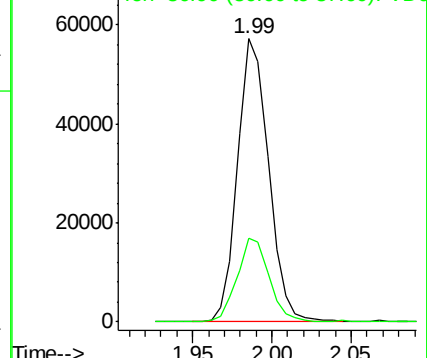
85 100

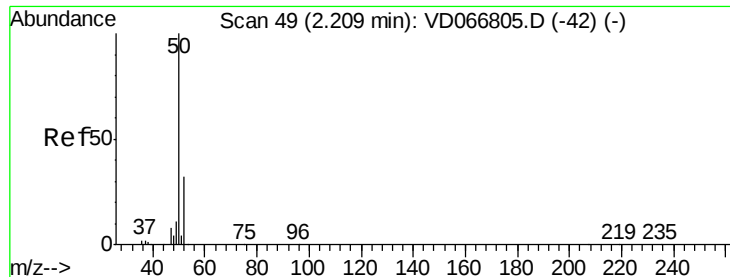
87 29.4 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.627 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 80505

Ion Ratio Lower Upper

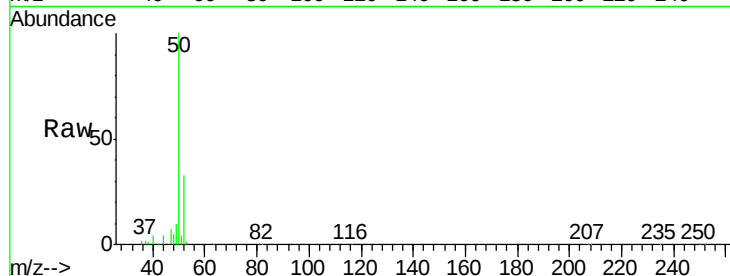
50 100

52 32.6 25.5 38.3

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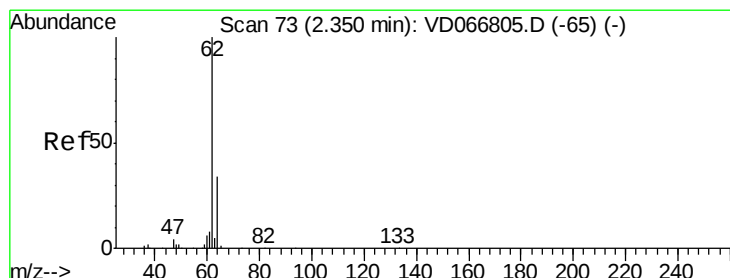
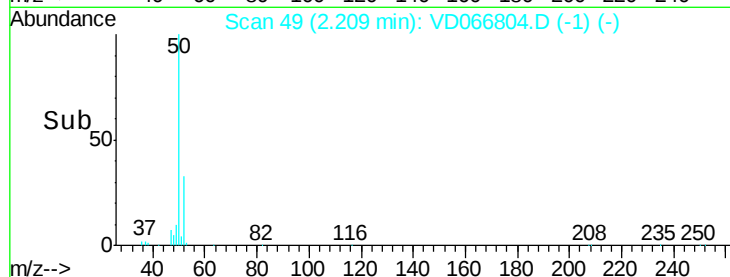
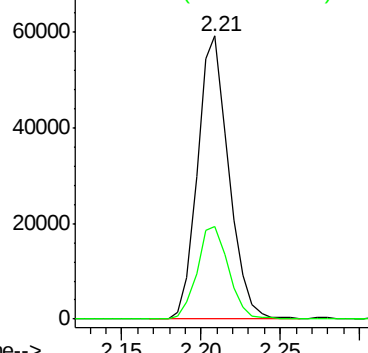
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.857 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066804.D

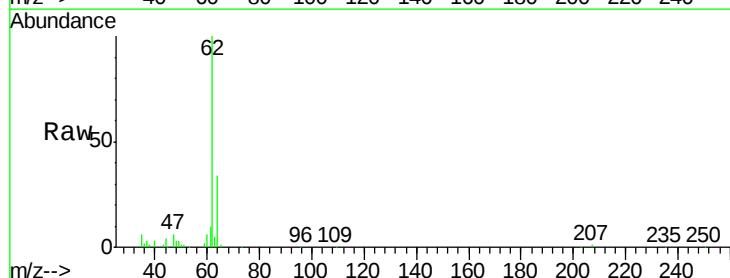
Acq: 22 Sep 2020 11:43

Tgt Ion: 62 Resp: 75709

Ion Ratio Lower Upper

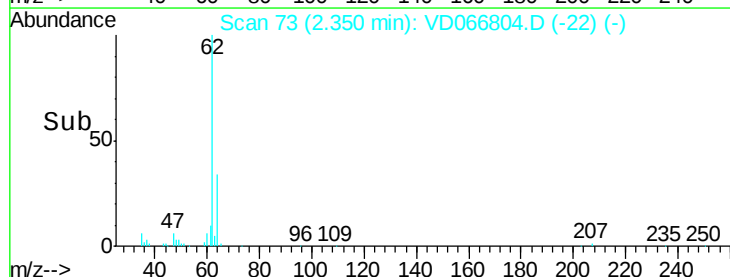
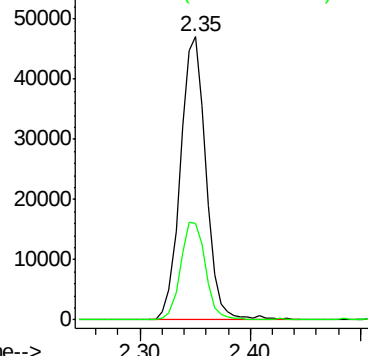
62 100

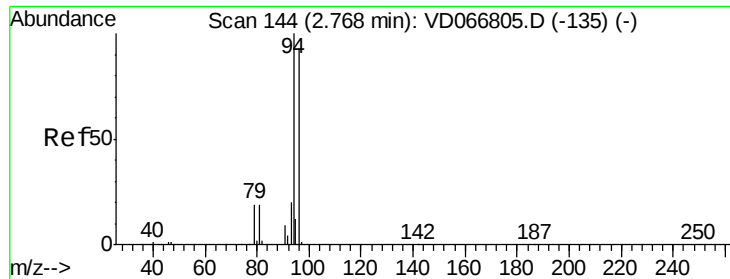
64 34.1 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 16.710 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 53095

Ion Ratio Lower Upper

94 100

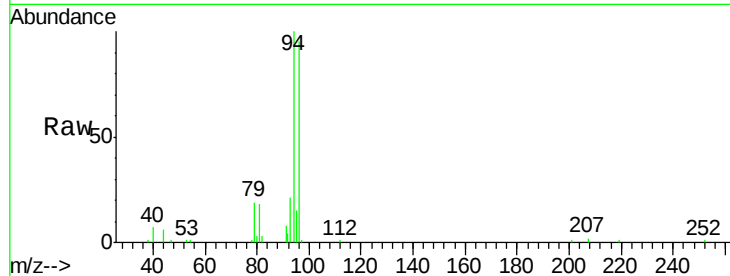
96 94.7 74.3 111.5

Manual Integrations

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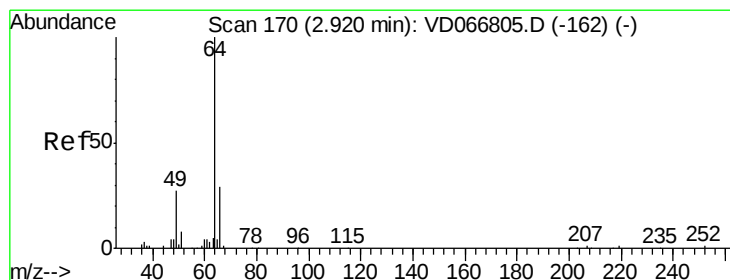
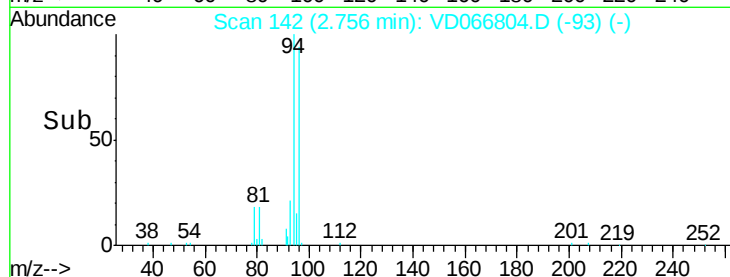
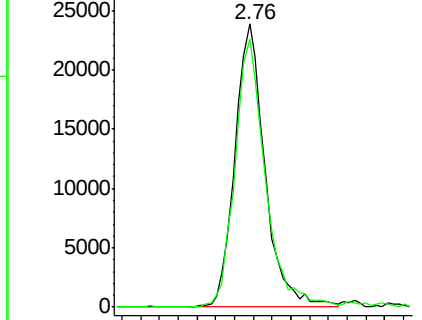
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.240 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066804.D

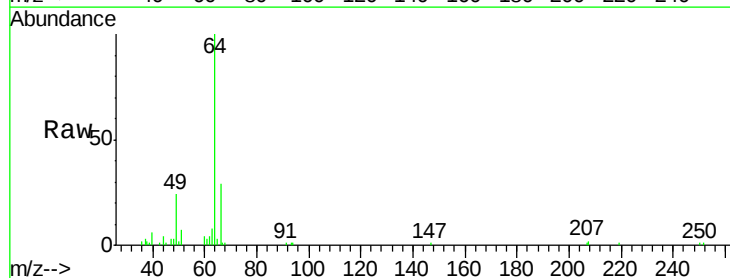
Acq: 22 Sep 2020 11:43

Tgt Ion: 64 Resp: 47852

Ion Ratio Lower Upper

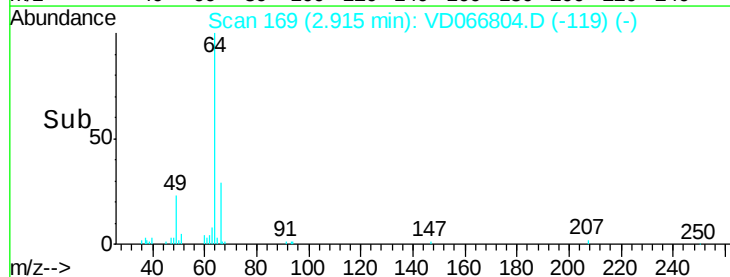
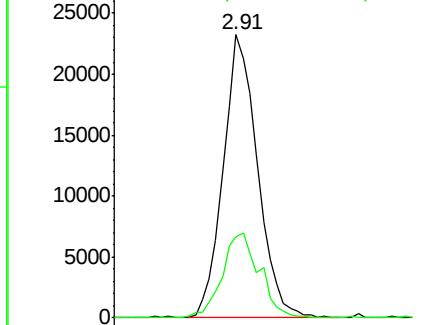
64 100

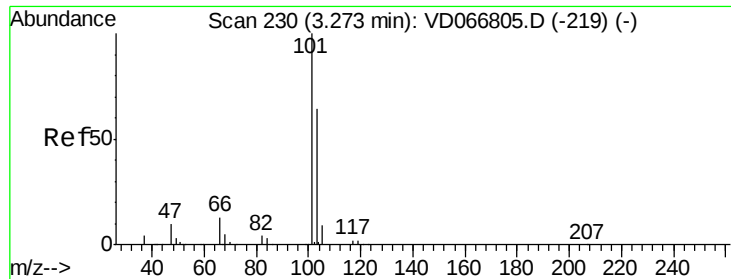
66 28.8 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

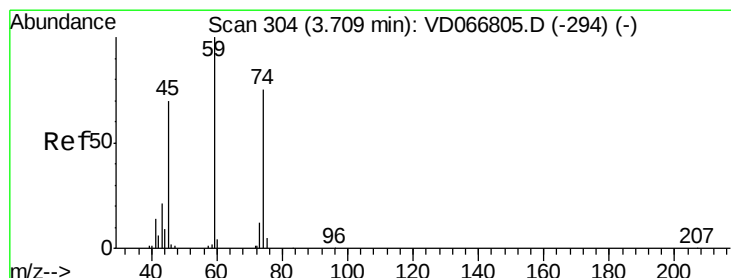
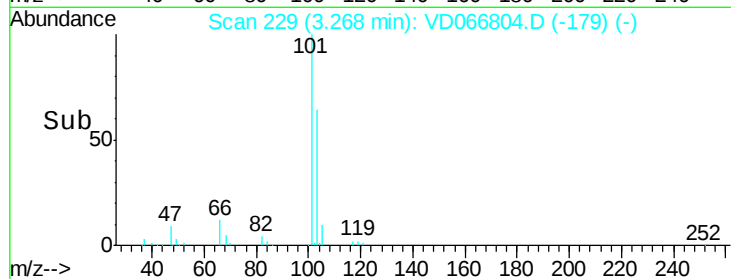
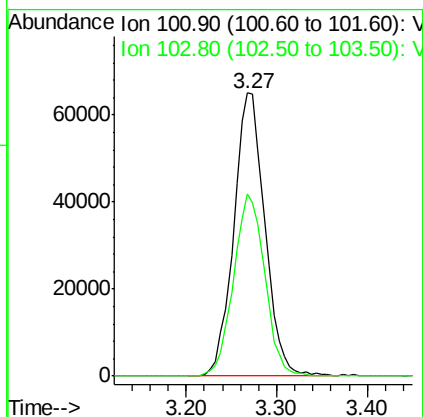
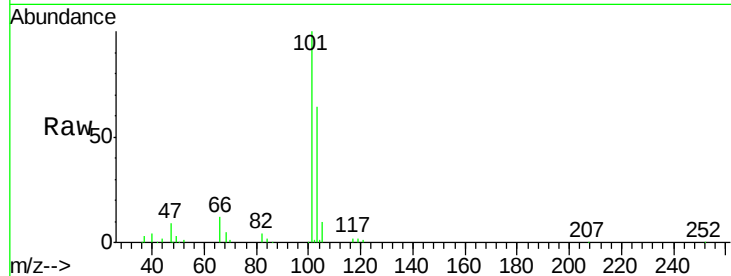
Trichlorofluoromethane
 Concen: 19.563 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	155526		
103	64.4	51.0	76.6	

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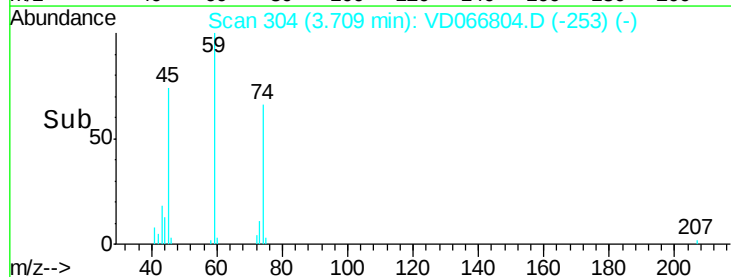
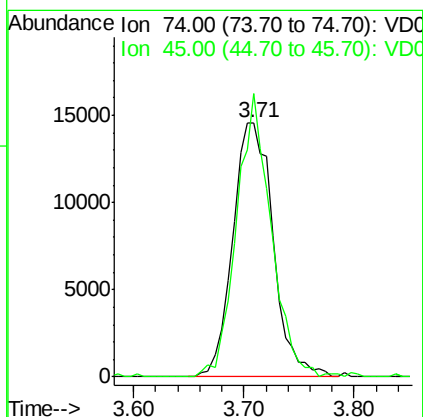
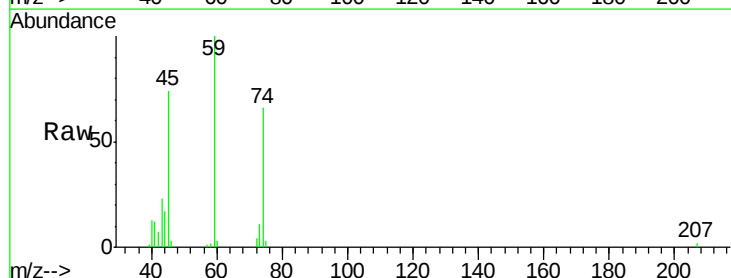
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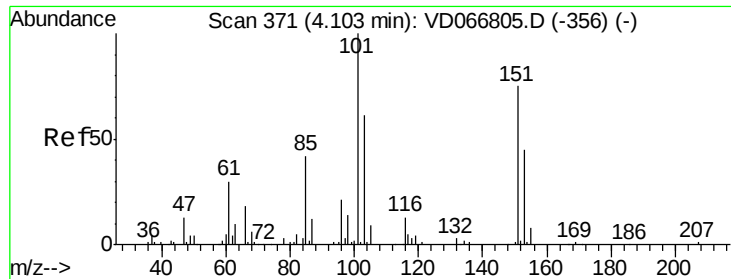


#8

Diethyl Ether
 Concen: 18.536 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37259		
45	96.0	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.804 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066804.D

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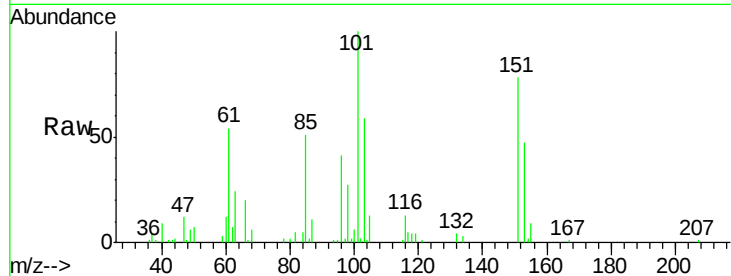
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VSTDIC020

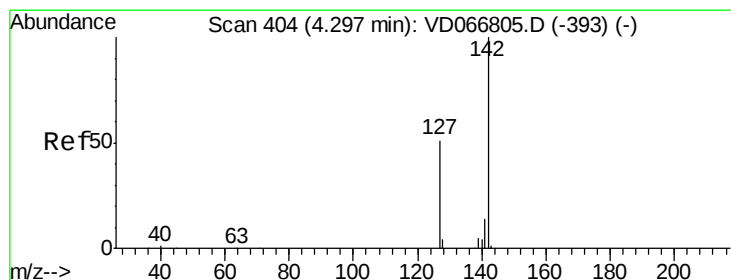
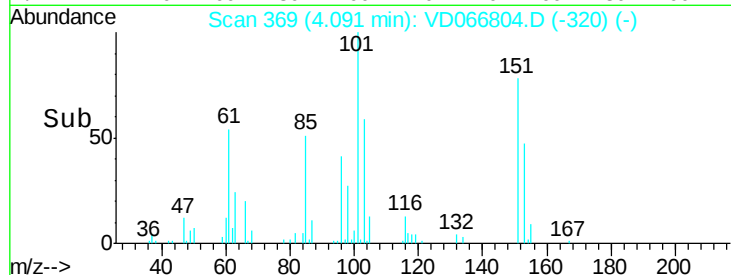
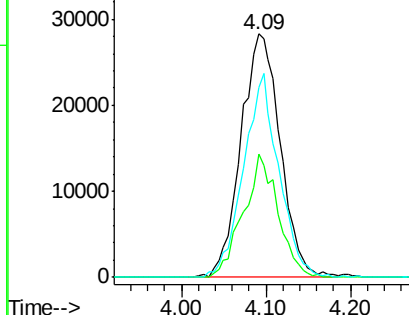
Tot Ion:	101	Resp:	91408
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.4	53.2
151	75.4	61.4	92.0

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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: 17.902 ug/l

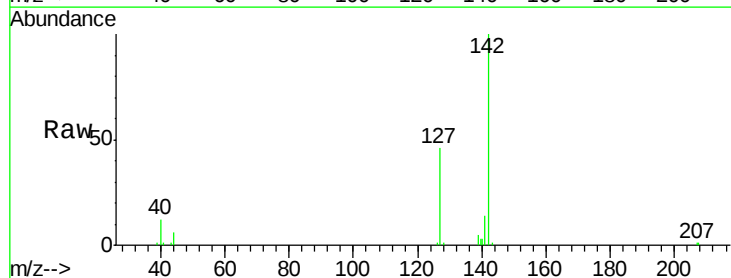
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

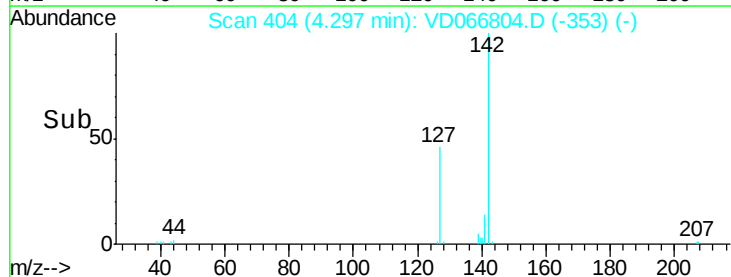
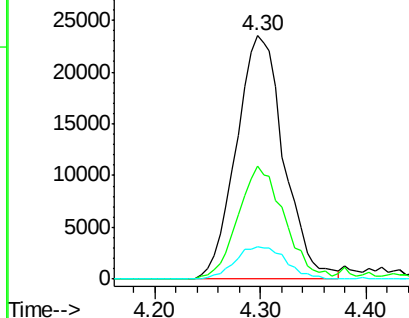
Lab File: VD066804.D

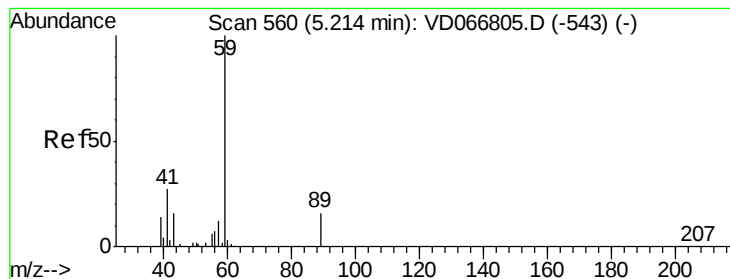
Acq: 22 Sep 2020 11:43

Tgt Ion:	142	Resp:	73515
Ion Ratio	Lower	Upper	
142	100		
127	45.1	39.4	59.0
141	14.2	12.1	18.1



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

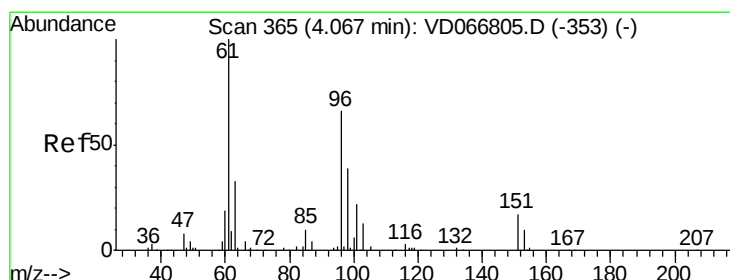
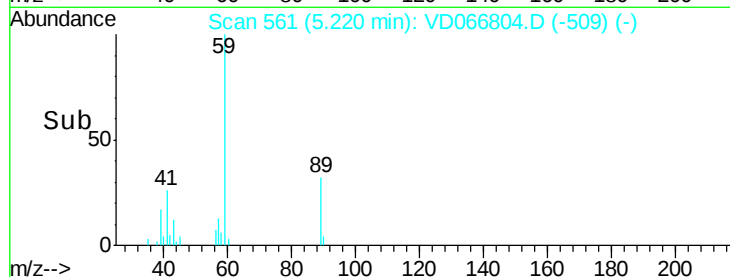
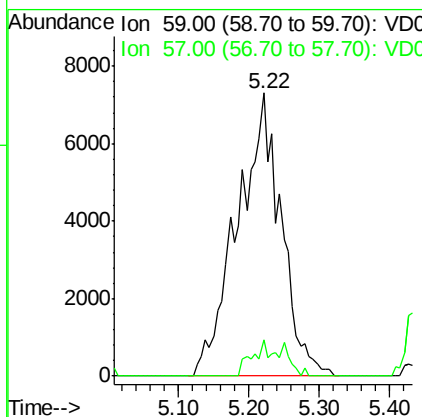
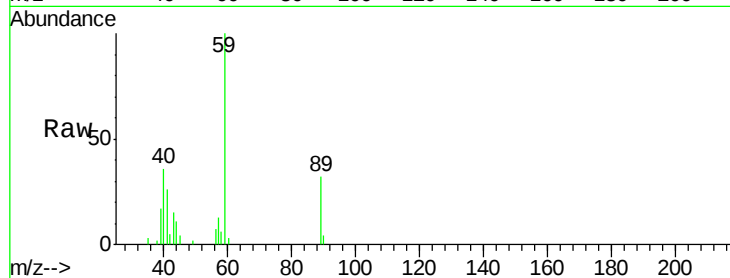
Tert butyl alcohol
 Concen: 72.163 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.0	8.3	12.5#

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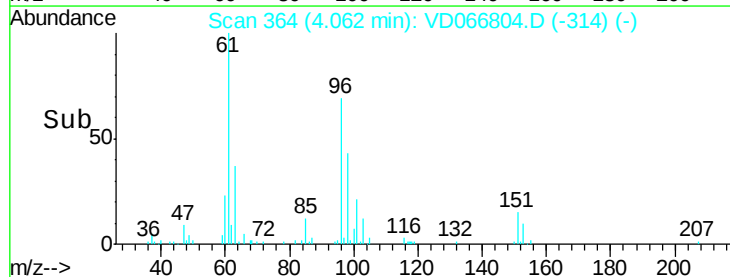
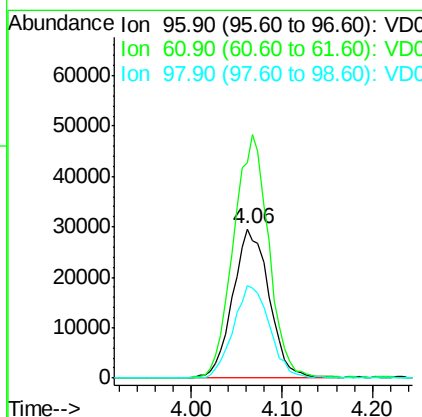
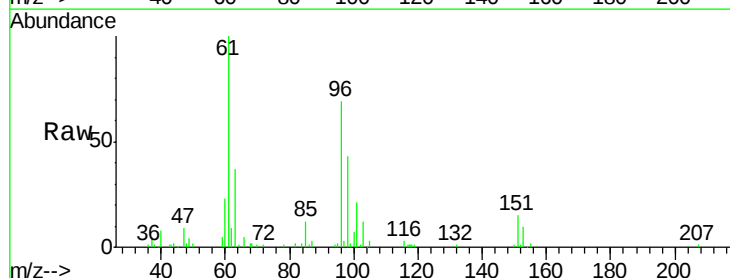
MMDadoda
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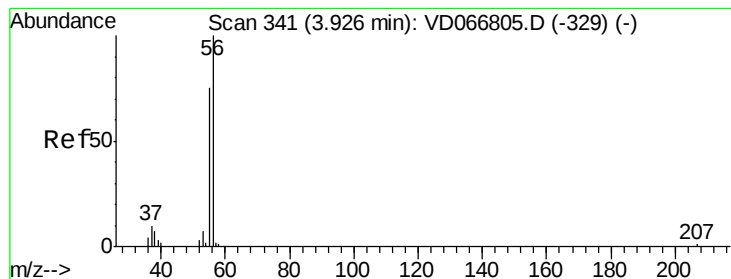


#12

1,1-Dichloroethene
 Concen: 20.201 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.3	120.8	181.2
98	62.1	47.7	71.5





#13

Acrolein

Concen: 100.166 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 30564

Ion Ratio Lower Upper

56 100

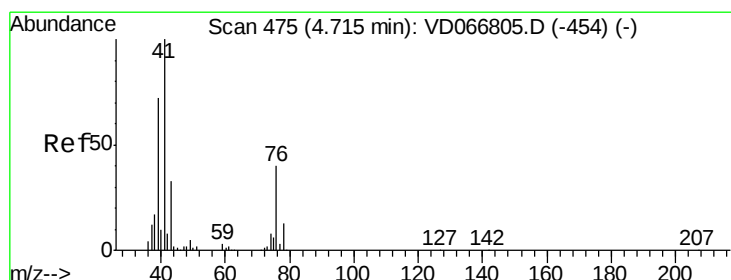
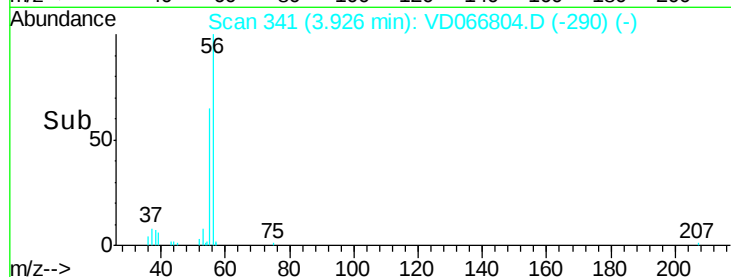
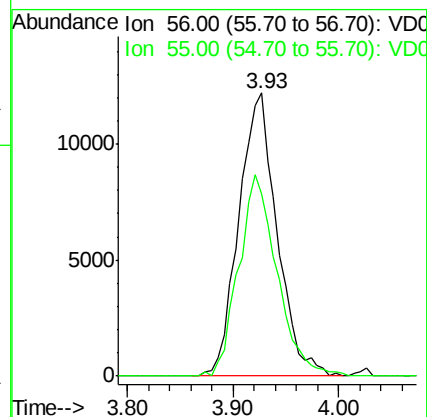
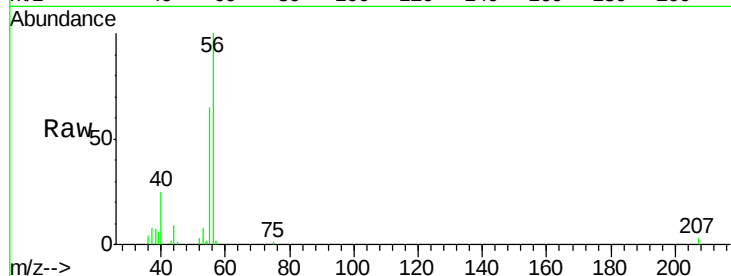
55 71.4 60.3 90.5

Manual Integrations

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#14

Allyl chloride

Concen: 18.269 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

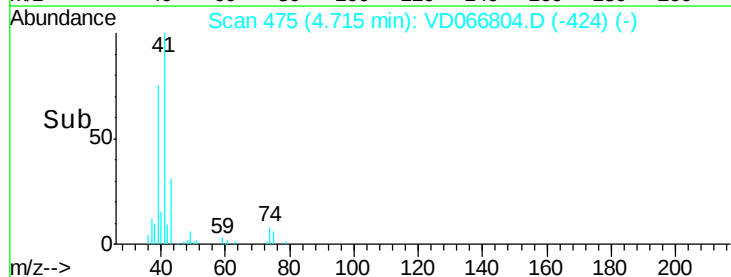
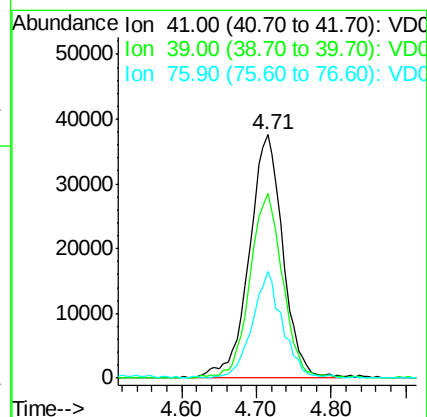
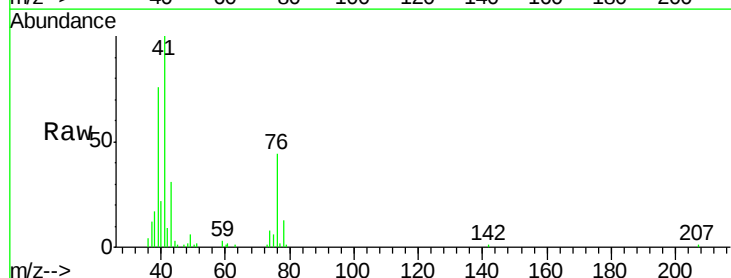
Tgt Ion: 41 Resp: 117854

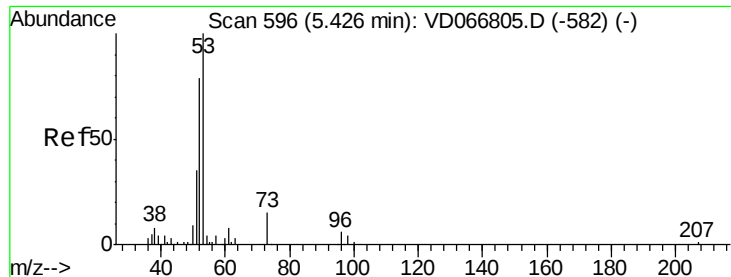
Ion Ratio Lower Upper

41 100

39 73.5 57.8 86.8

76 39.0 30.9 46.3





#15

Acrylonitrile

Concen: 97.029 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

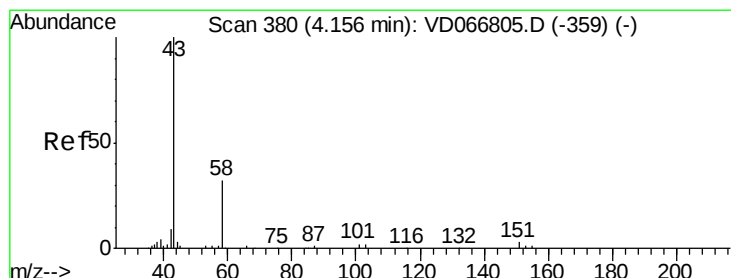
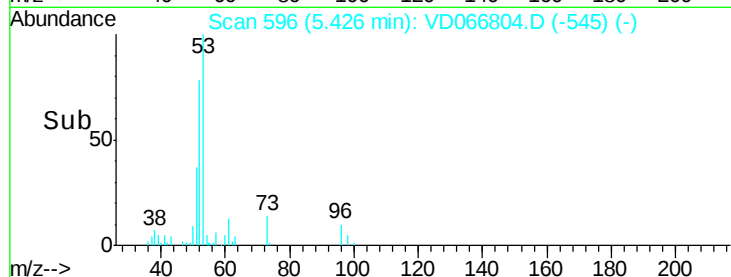
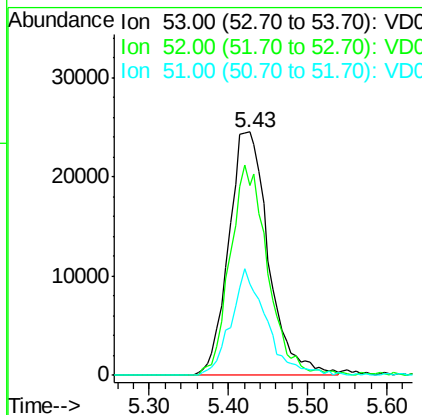
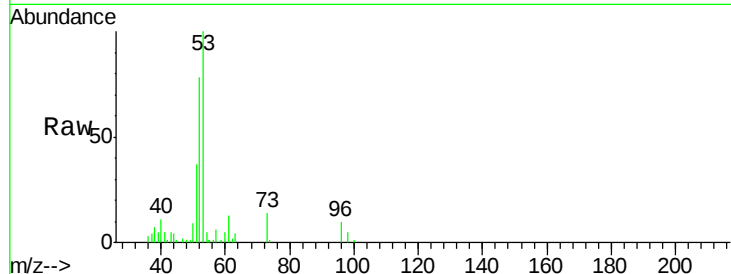
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	85656
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.2	97.8
51	38.8	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 89.069 ug/l

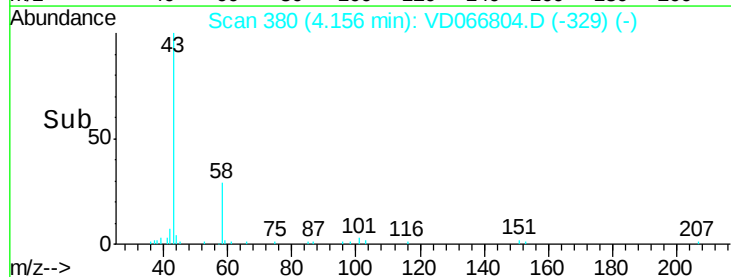
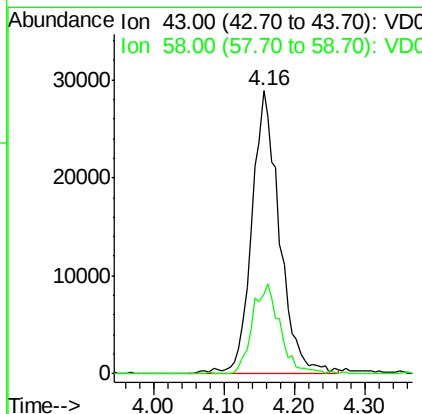
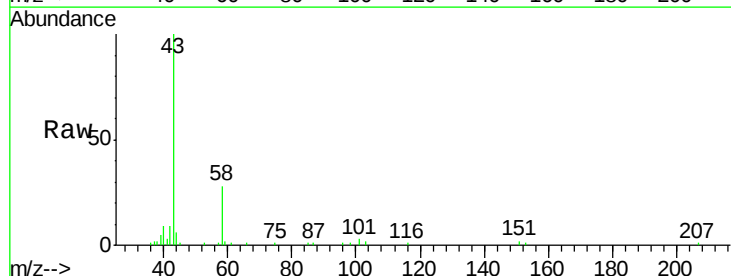
RT: 4.16 min Scan# 380

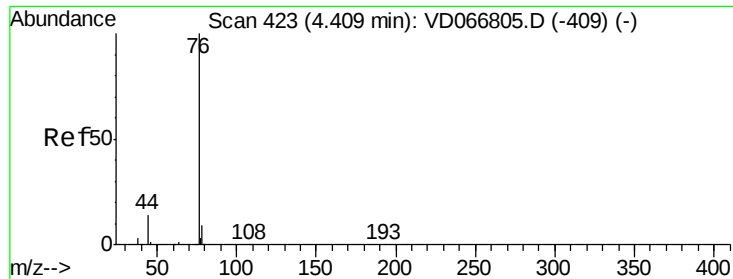
Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Tgt Ion:	43	Resp:	79695
Ion Ratio	Lower	Upper	
43	100		
58	28.2	25.6	38.4





#17

Carbon Disulfide

Concen: 20.349 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 258527

Ion Ratio Lower Upper

76 100

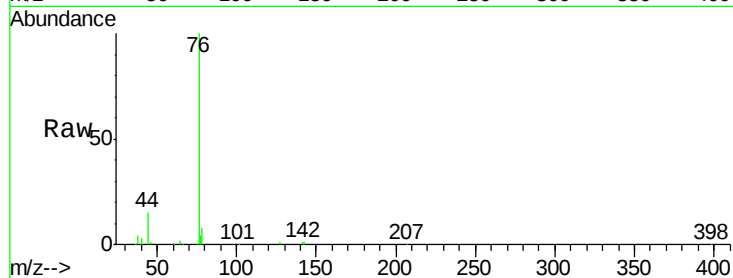
78 7.7 7.6 11.4

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

80000

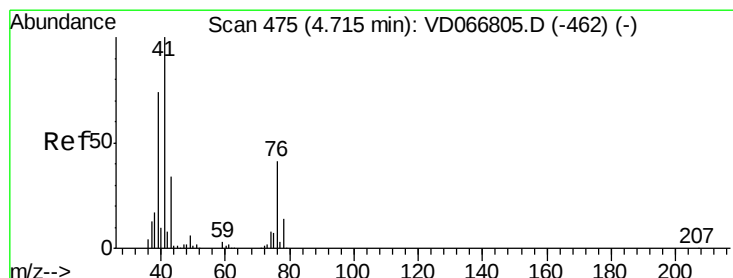
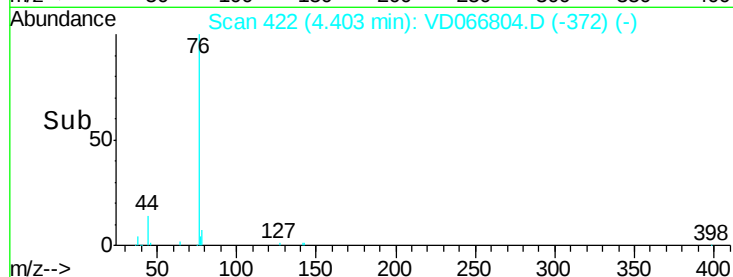
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.764 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066804.D

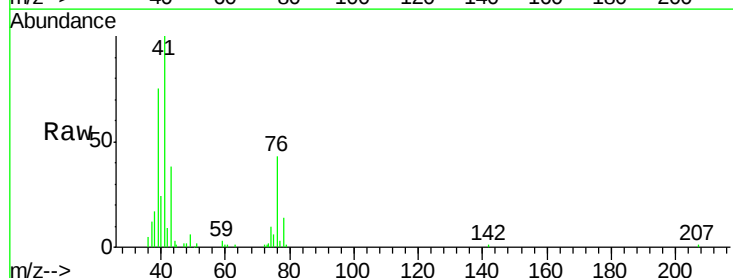
Acq: 22 Sep 2020 11:43

Tgt Ion: 43 Resp: 40220

Ion Ratio Lower Upper

43 100

74 25.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

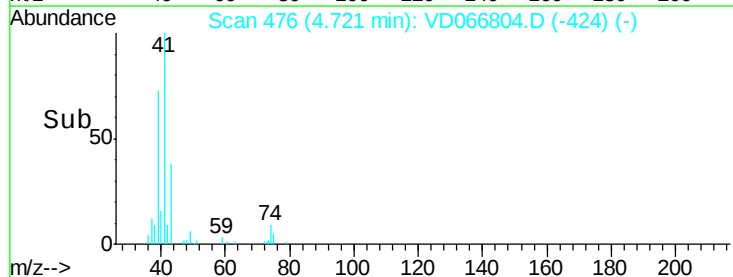
15000

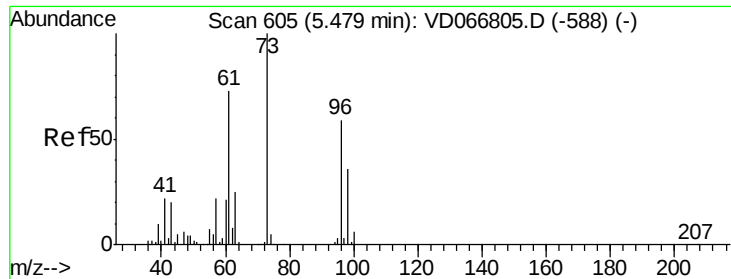
10000

5000

0

Time-->





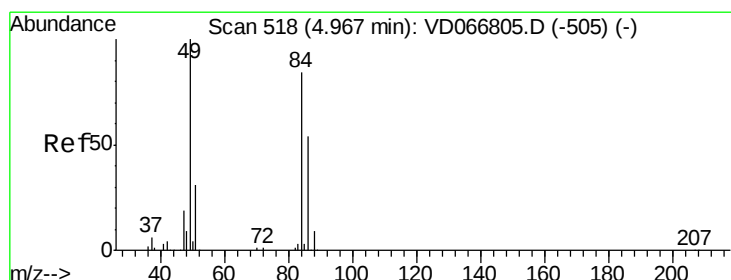
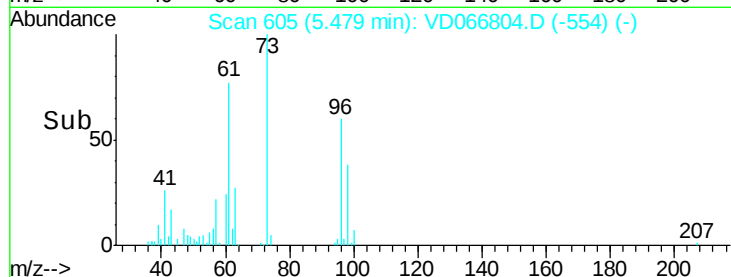
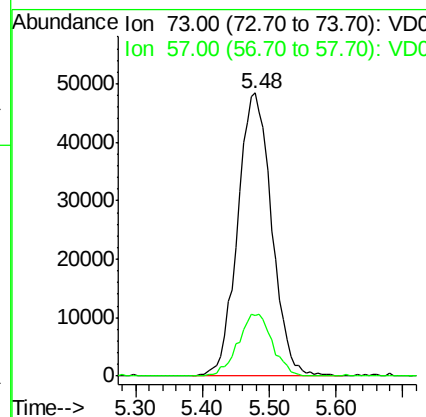
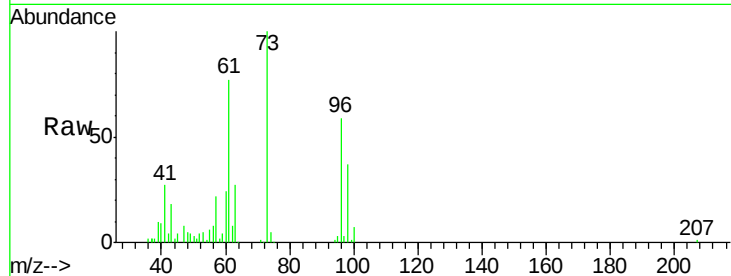
#19
Methvl tert-butvl Ether
Concen: 18.858 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 170689
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2

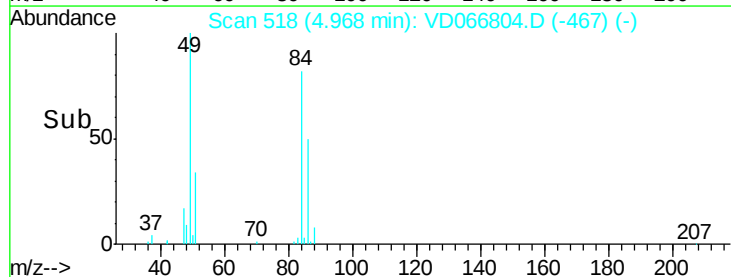
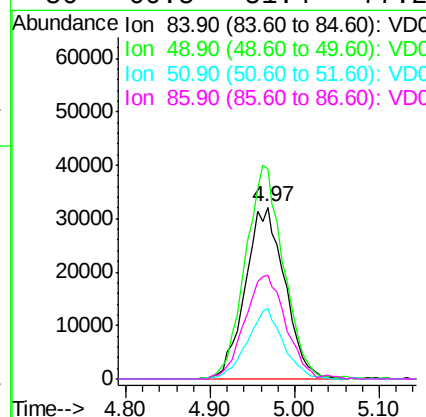
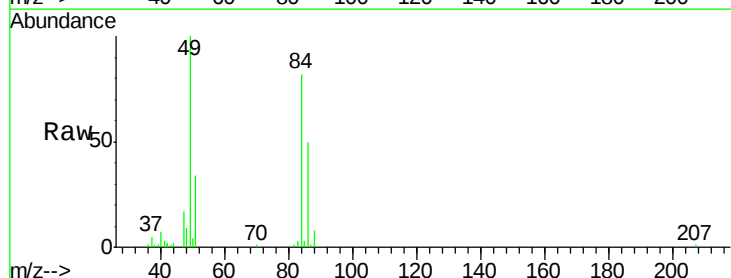
Manual Integrations
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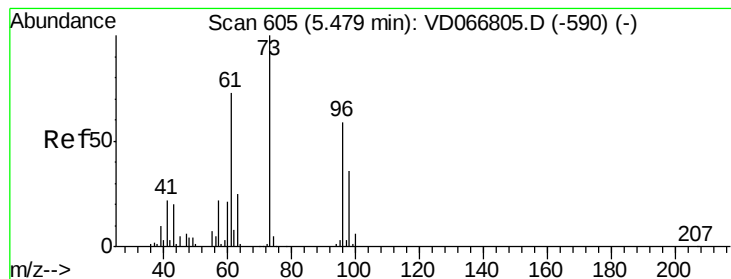
MMDadoda
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#20
Methylene Chloride
Concen: 17.461 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 84 Resp: 104389
Ion Ratio Lower Upper
84 100
49 122.1 95.4 143.2
51 41.2 29.7 44.5
86 60.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.742 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

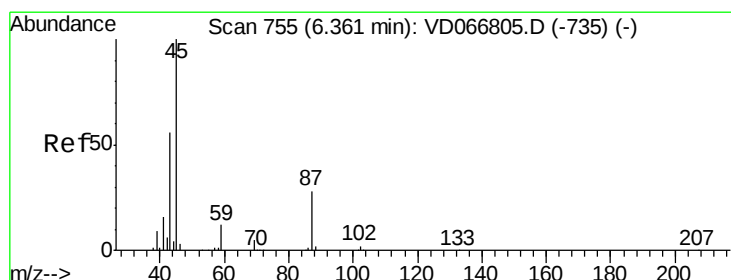
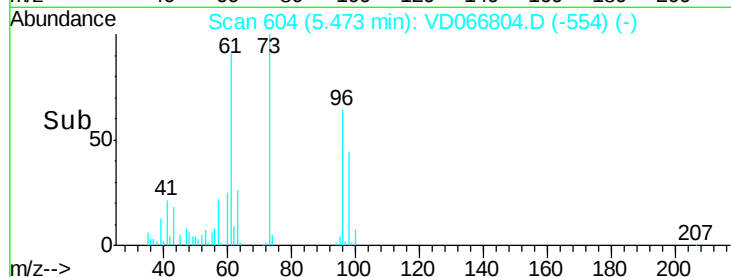
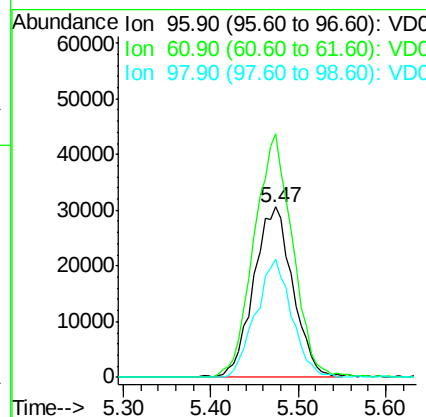
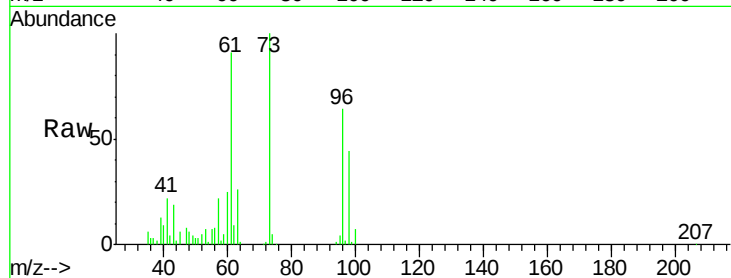
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	93410
Ion	Ratio	Lower	Upper
96	100		
61	143.0	98.9	148.3
98	69.0	48.4	72.6

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#22

Diisopropyl ether

Concen: 19.380 ug/l

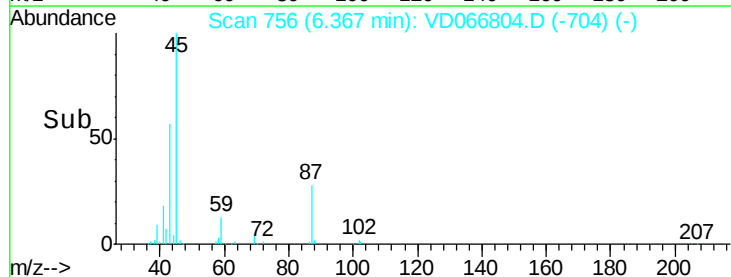
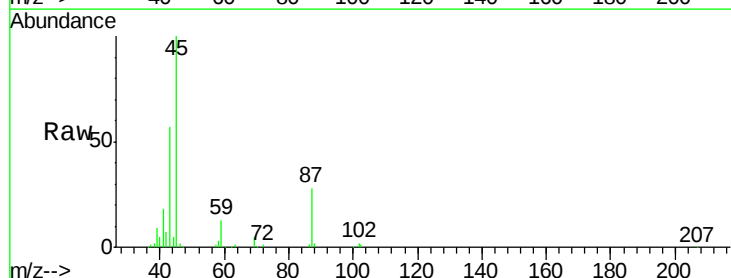
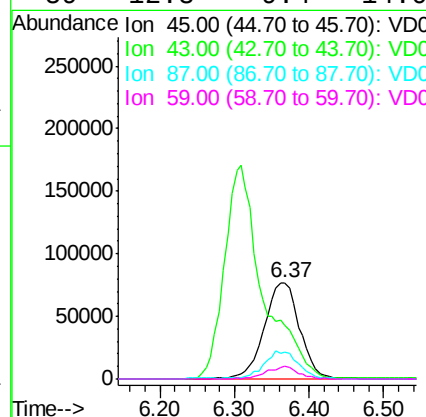
RT: 6.37 min Scan# 756

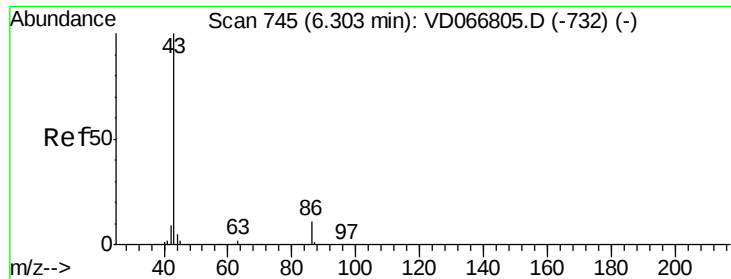
Delta R.T. 0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Tgt Ion:	45	Resp:	254510
Ion	Ratio	Lower	Upper
45	100		
43	55.8	44.5	66.7
87	27.5	22.9	34.3
59	12.8	9.4	14.0





#23

Vinyl Acetate

Concen: 84.483 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 611226

Ion Ratio Lower Upper

43 100

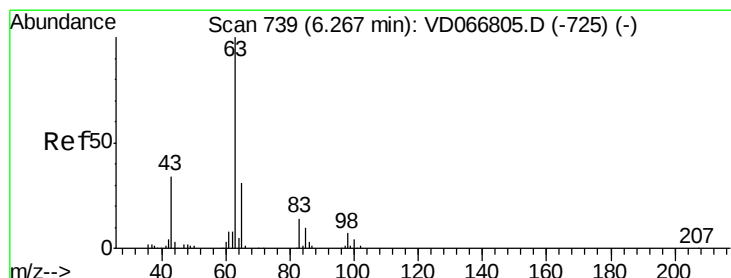
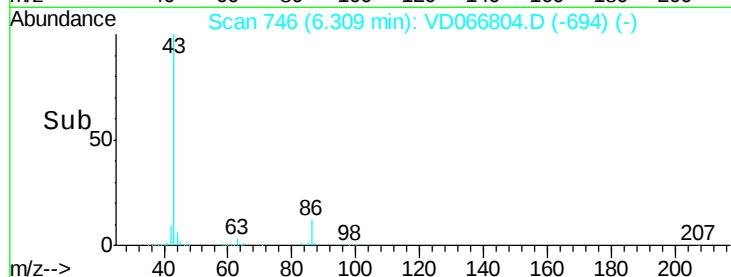
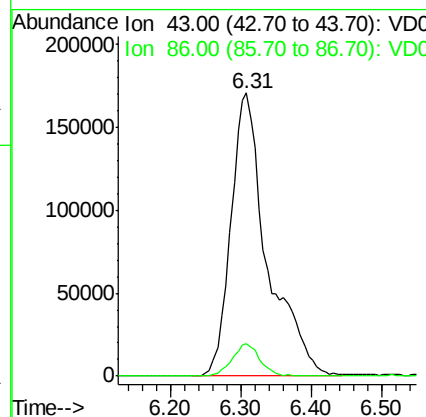
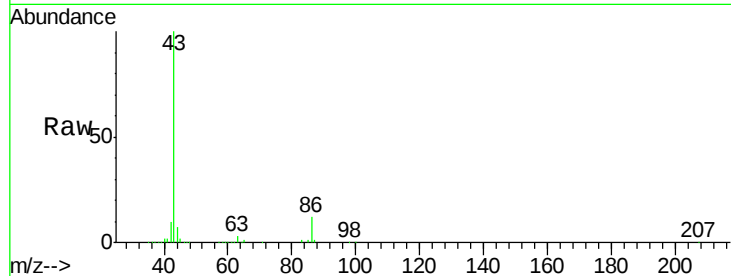
86 11.7 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.046 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

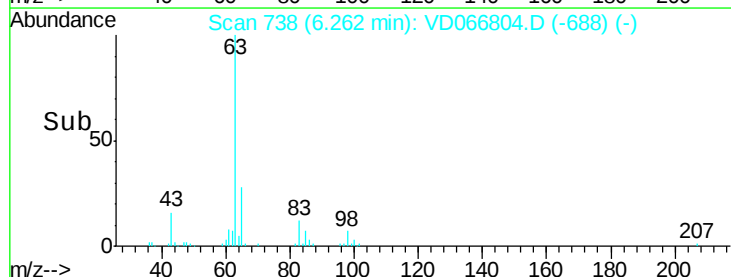
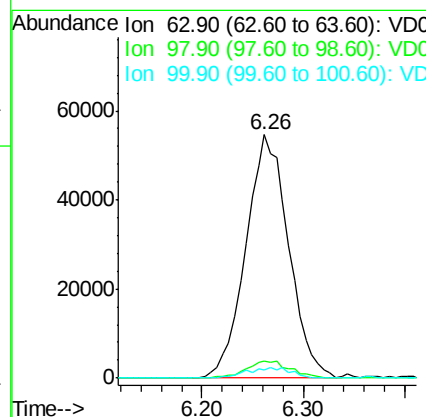
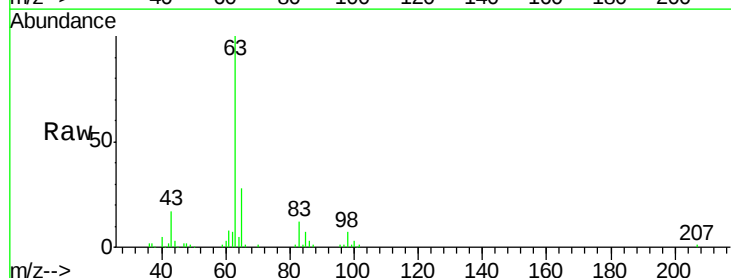
Tgt Ion: 63 Resp: 160090

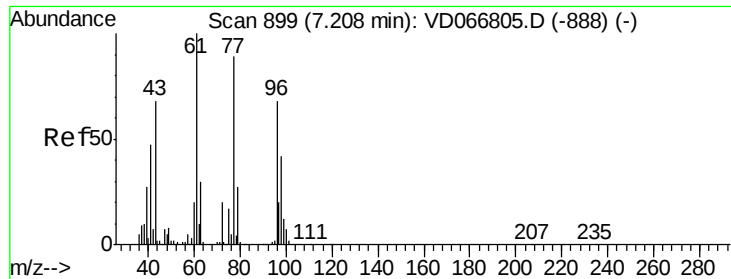
Ion Ratio Lower Upper

63 100

98 6.8 3.7 11.1

100 3.2 1.8 5.5





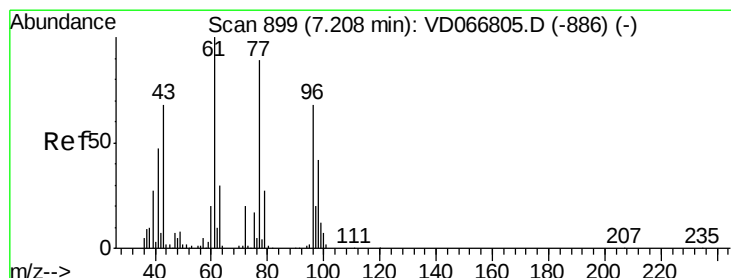
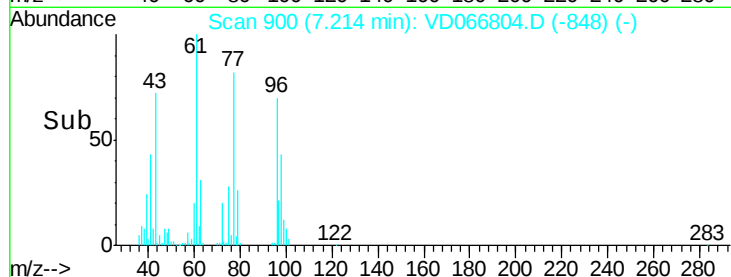
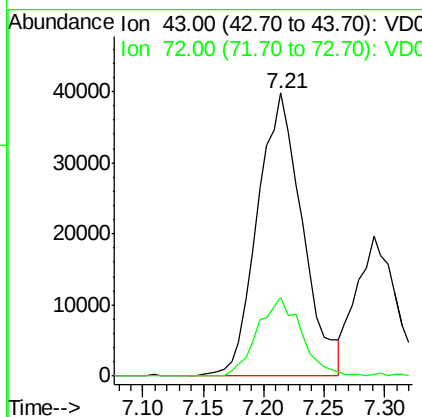
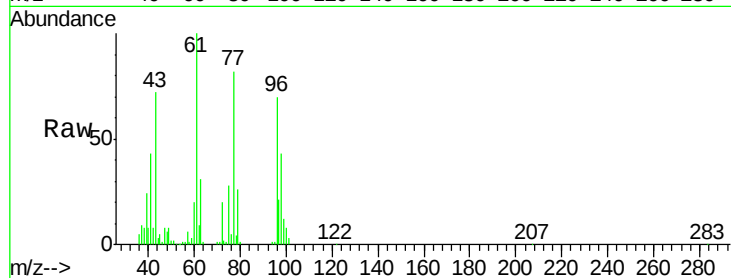
#25
2-Butanone
Concen: 90.424 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 102988
Ion Ratio Lower Upper
43 100
72 27.7 22.9 34.3

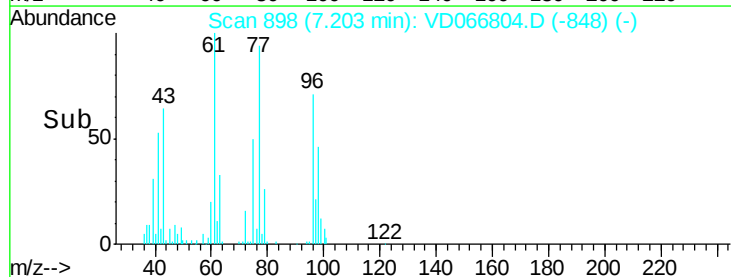
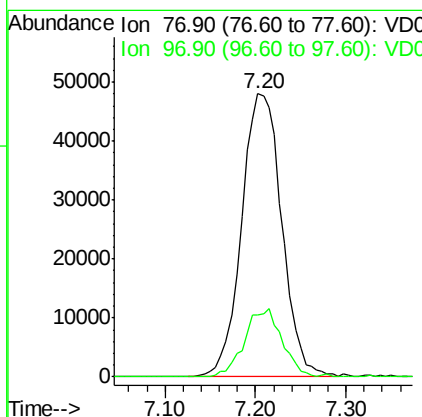
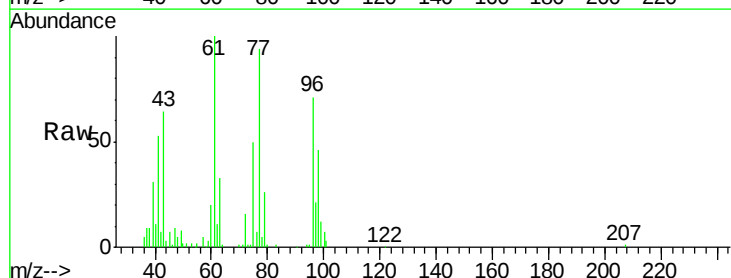
Manual Integrations
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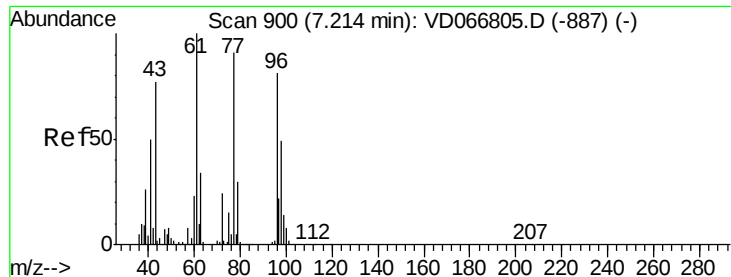
MMDadoda
9/23/2020 1:04:57 PM



#26
2,2-Dichloropropane
Concen: 19.048 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 77 Resp: 147525
Ion Ratio Lower Upper
77 100
97 22.4 11.7 35.1





#27

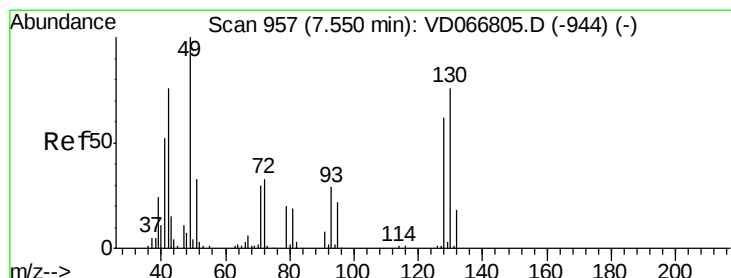
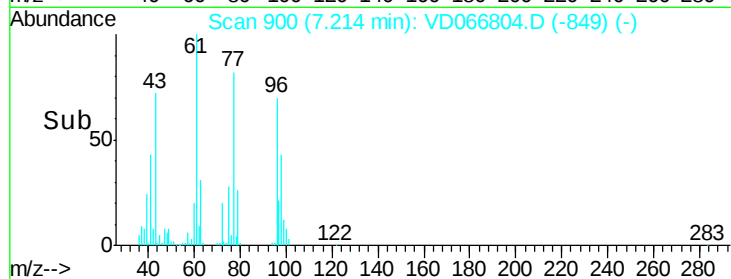
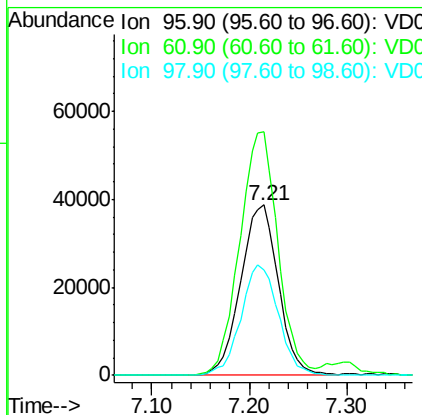
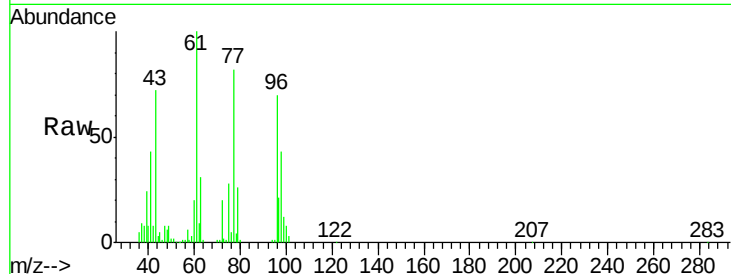
cis-1,2-Dichloroethene
Concen: 20.168 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	283.8
98	64.4	0.0	128.4

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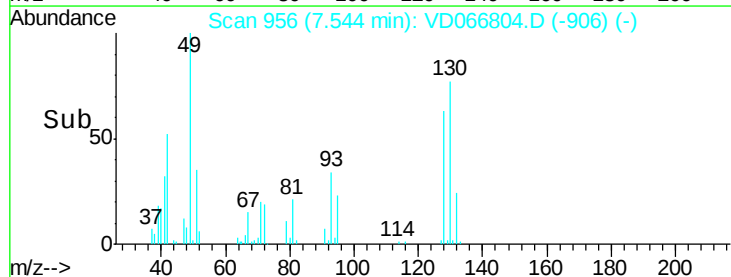
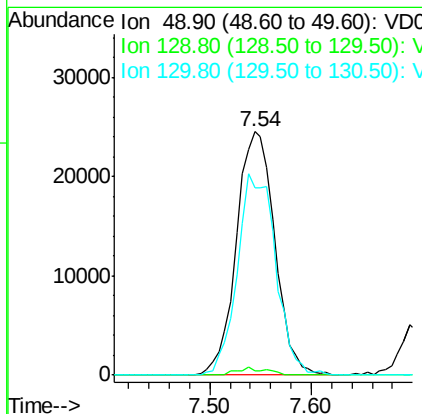
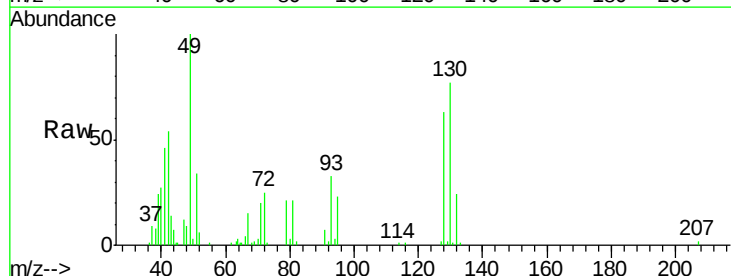
MMDadoda
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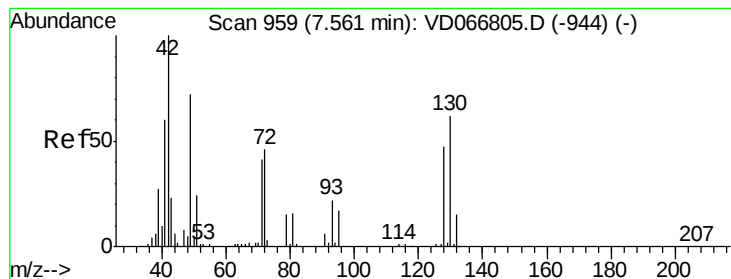


#28

Bromochloromethane
Concen: 20.009 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.0#
130	82.3	65.9	98.9





#29

Tetrahydrofuran

Concen: 91.491 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

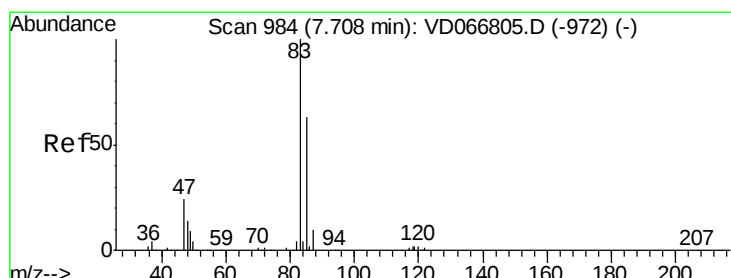
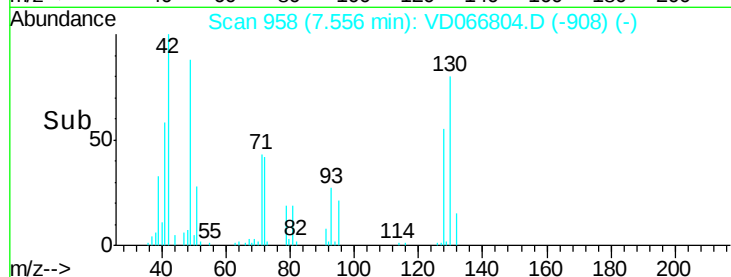
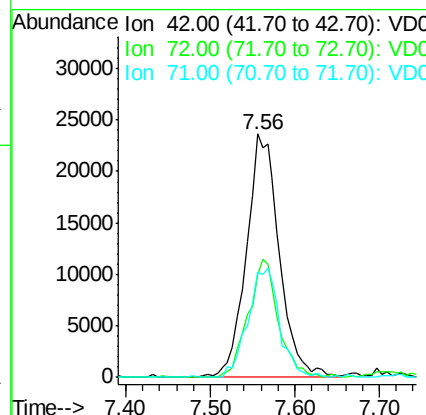
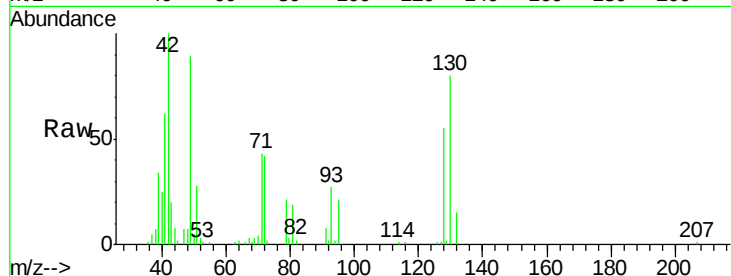
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	63929
Ion	Ratio	Lower	Upper
42	100		
72	44.4	36.2	54.4
71	42.7	32.4	48.6

Manual Integrations
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#30

Chloroform

Concen: 19.718 ug/l

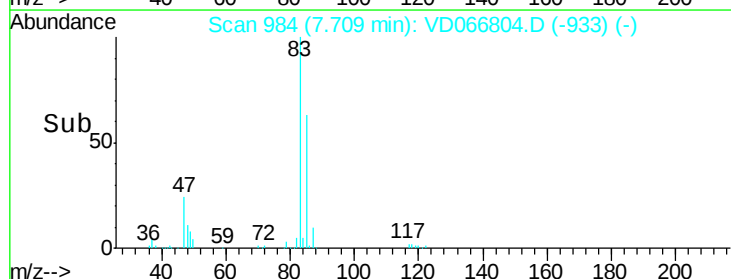
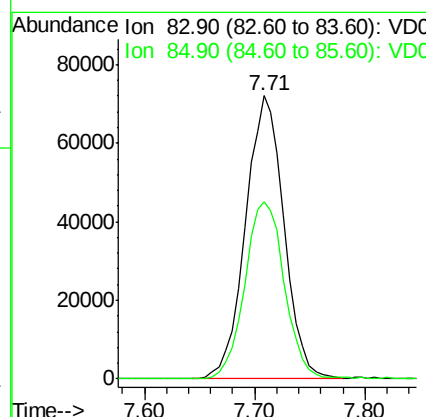
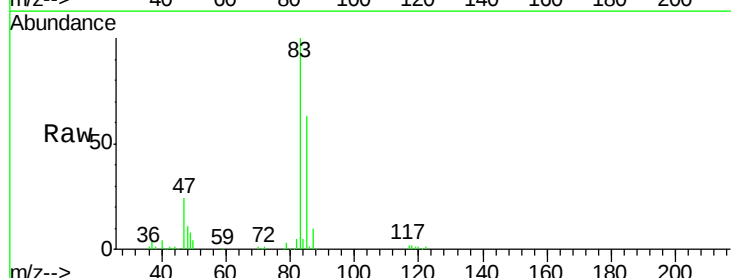
RT: 7.71 min Scan# 984

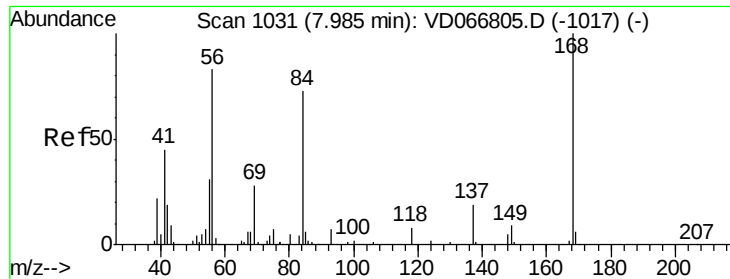
Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Tgt Ion:	83	Resp:	176130
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.6	75.8





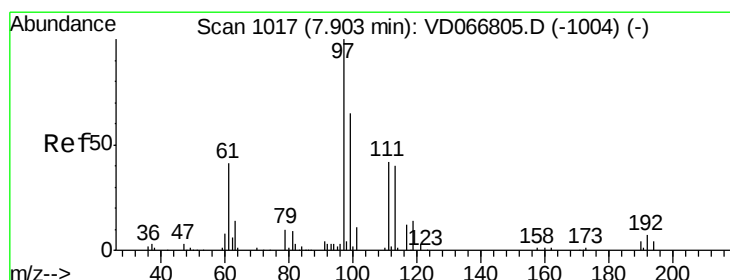
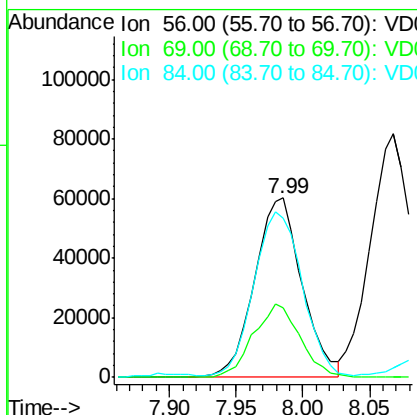
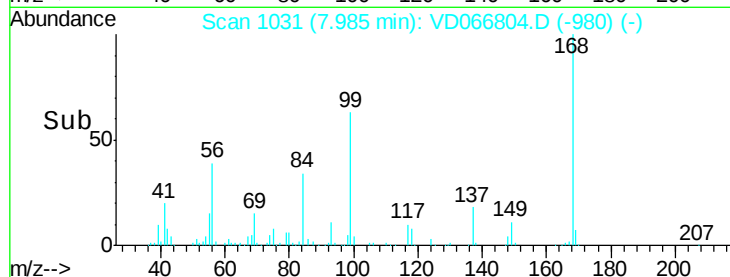
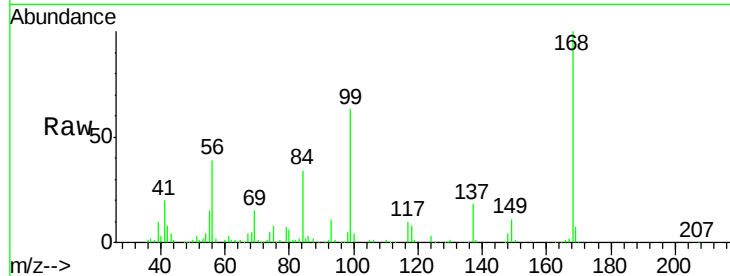
#31
Cyclohexane
Concen: 19.581 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		148683		
69	39.0	27.0	40.4		
84	87.2	70.2	105.4		

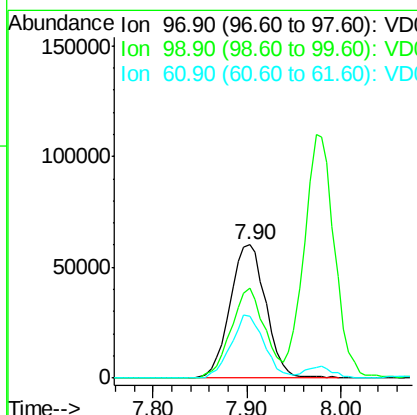
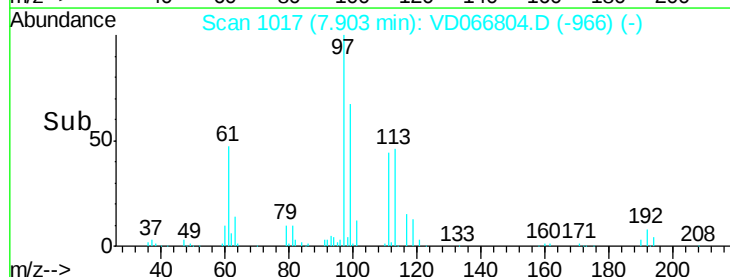
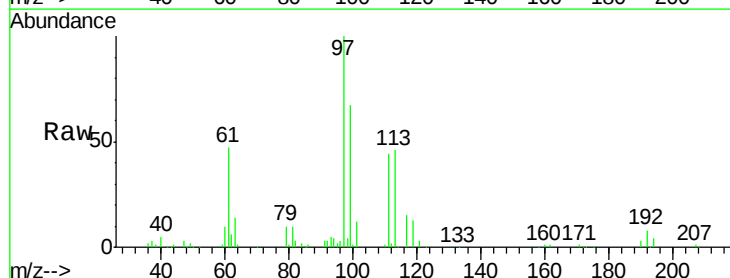
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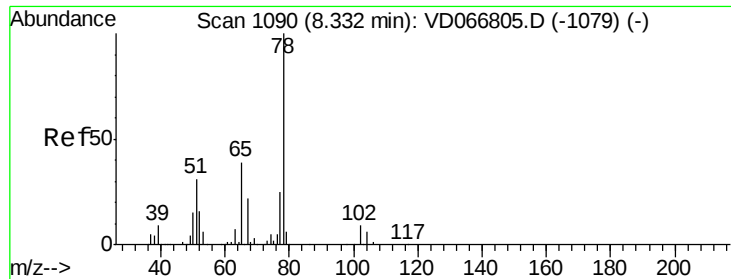
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#32
1,1,1-Trichloroethane
Concen: 19.482 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		159200		
99	64.0	51.5	77.3		
61	44.0	34.2	51.4		





#33

1,2-Dichloroethane-d4

Concen: 18.353 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 78458

Ion Ratio Lower Upper

65 100

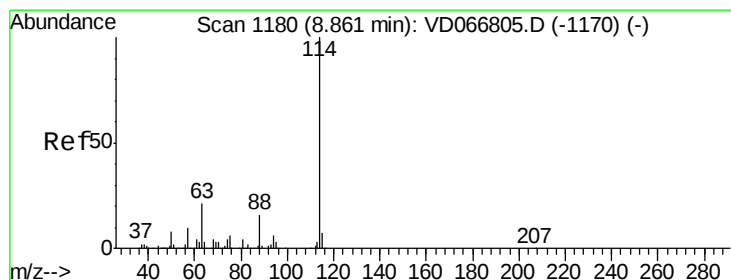
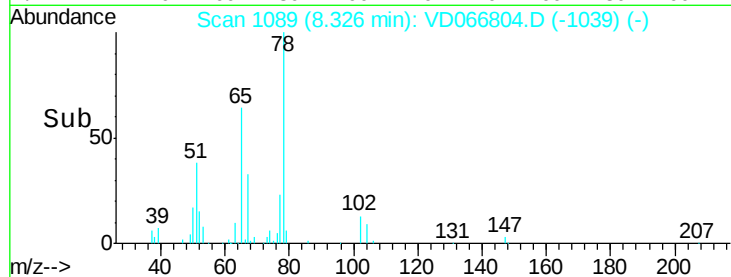
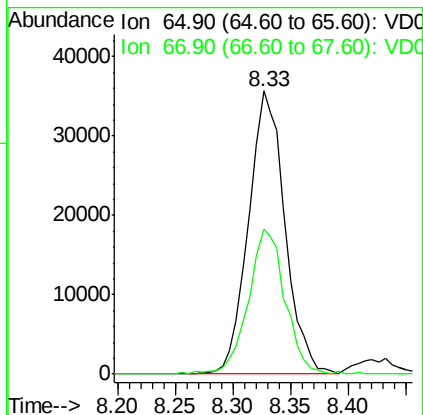
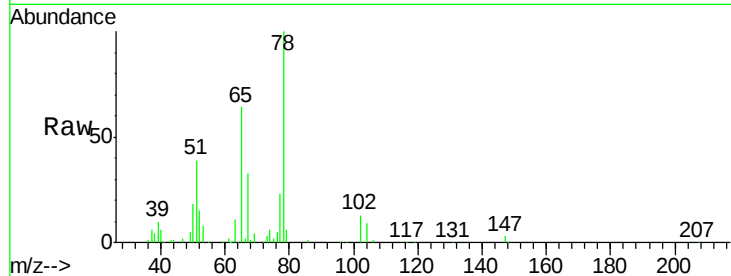
67 51.6 0.0 107.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

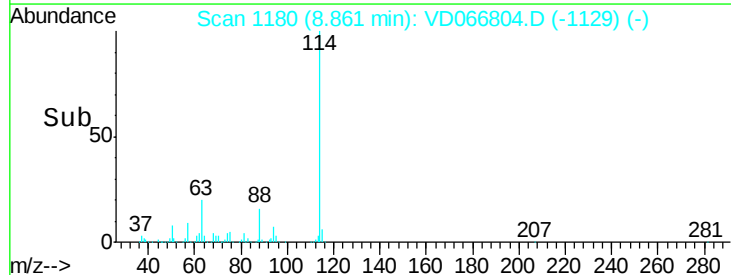
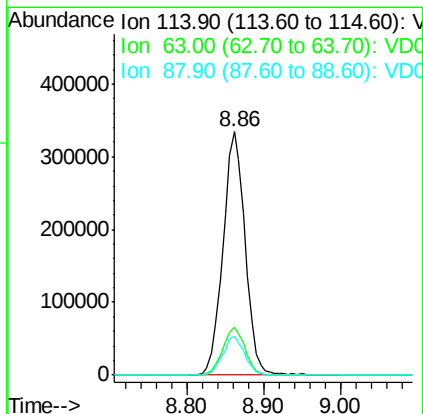
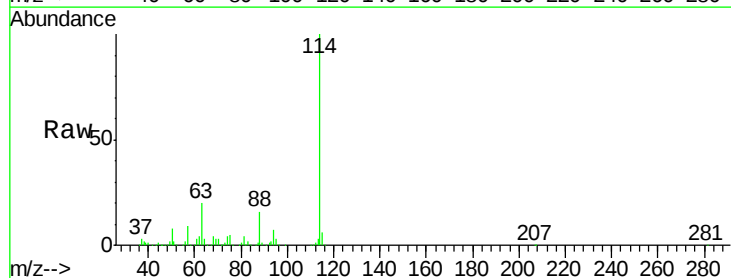
Tgt Ion: 114 Resp: 667244

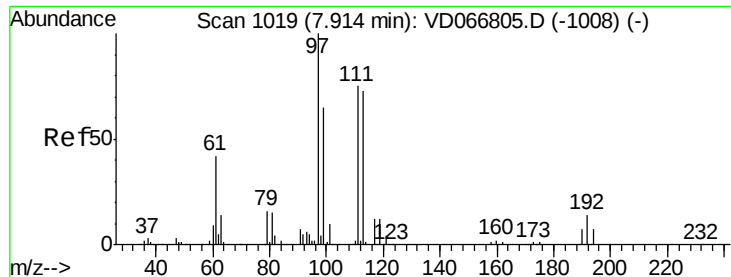
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

88 16.1 0.0 32.6





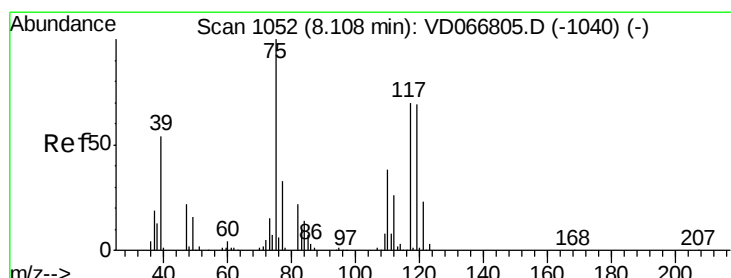
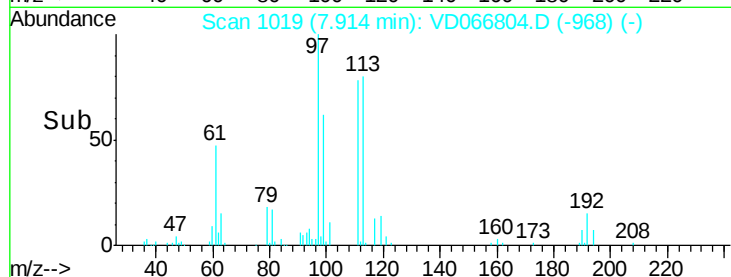
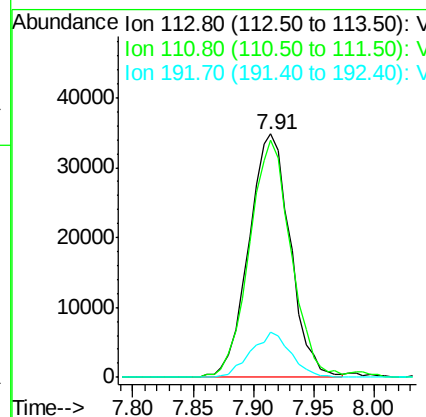
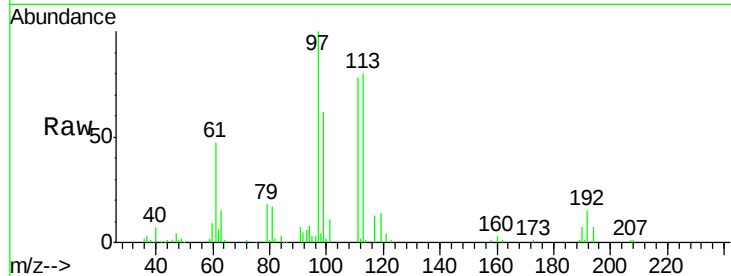
#35
 Dibromofluoromethane
 Concen: 20.200 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.6	81.8	122.8
192	17.9	14.4	21.6

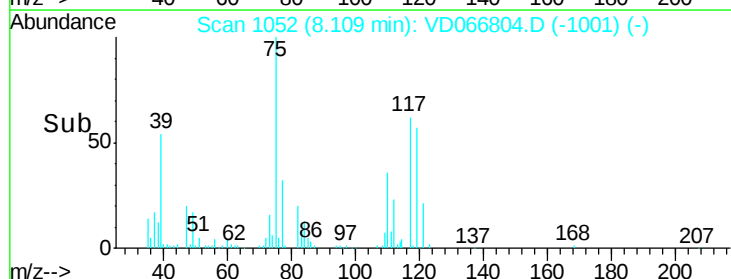
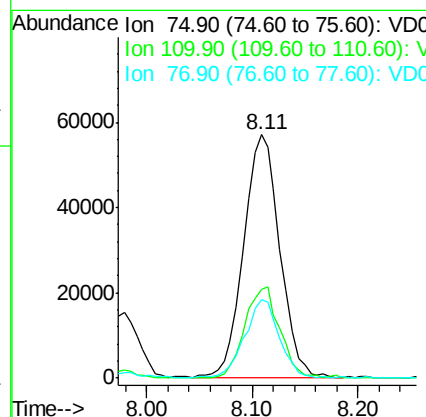
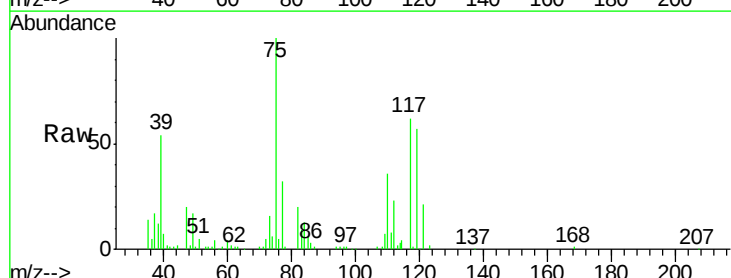
Manual Integrations
 APPROVED

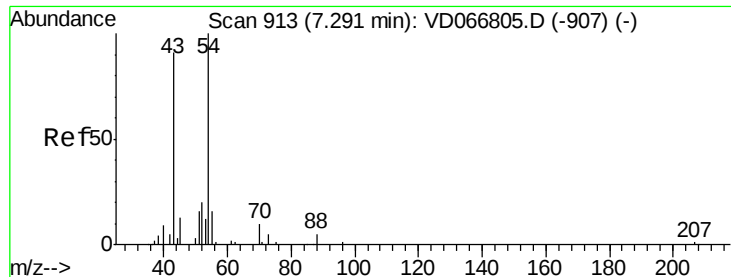
MMDadoda
 9/23/2020 1:04:57 PM



#36
 1,1-Dichloropropene
 Concen: 19.725 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.9	53.8
77	31.5	25.0	37.6





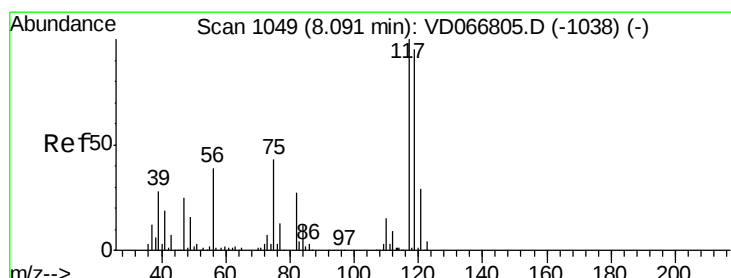
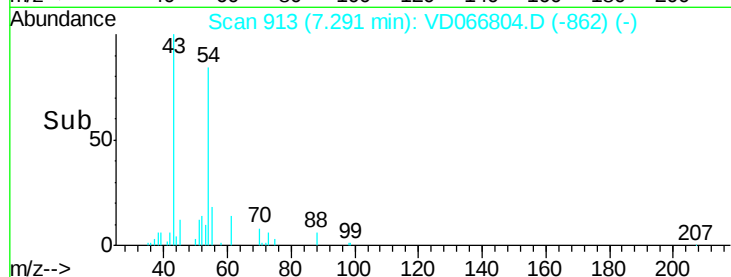
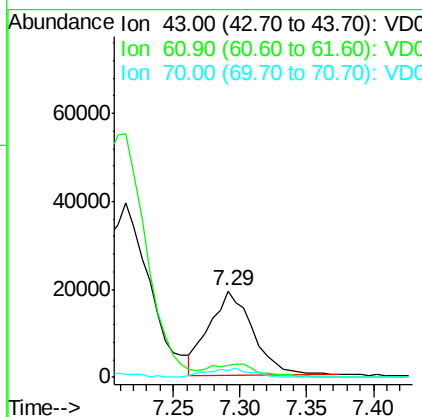
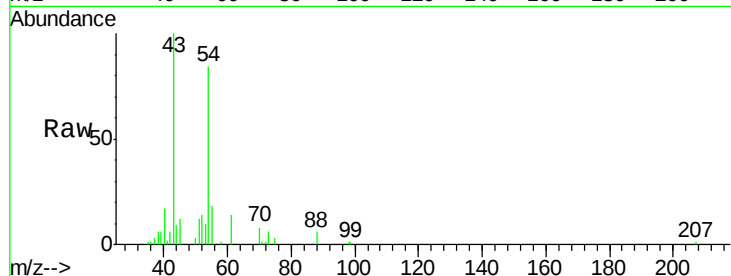
#37
Ethyl Acetate
Concen: 17.104 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	9.8	14.8#
70	10.6	8.5	12.7

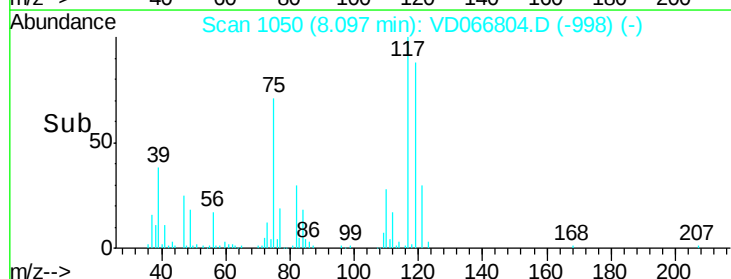
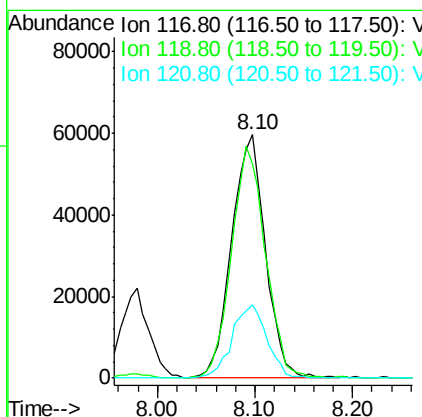
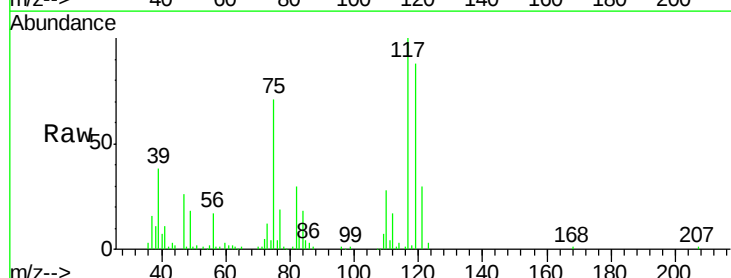
Manual Integrations
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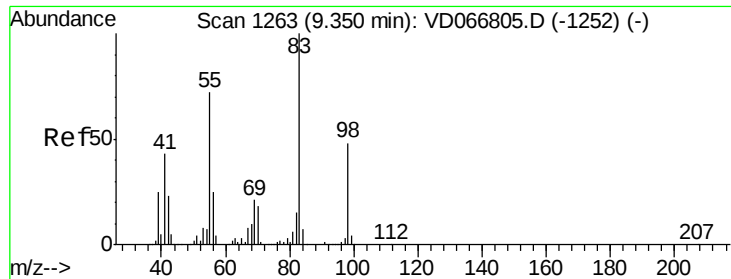
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.747 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.9	75.8	113.8
121	30.4	23.4	35.0





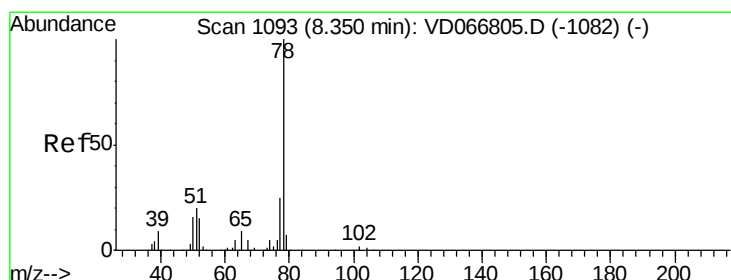
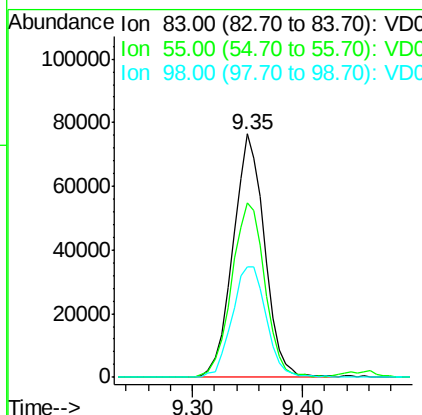
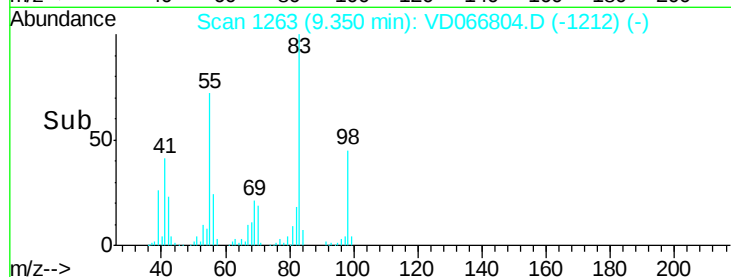
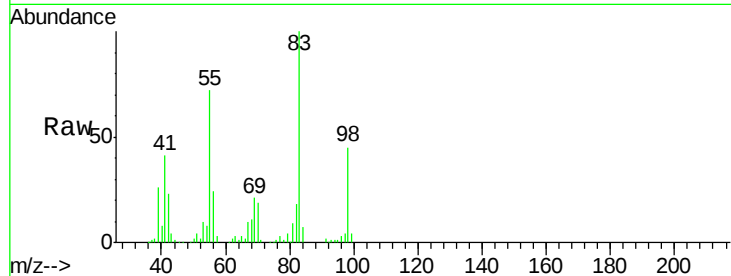
#39
Methvlcvclohexane
Concen: 19.649 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	153579
Ion Ratio	Lower	Upper	
83	100		
55	71.2	57.7	86.5
98	45.4	38.4	57.6

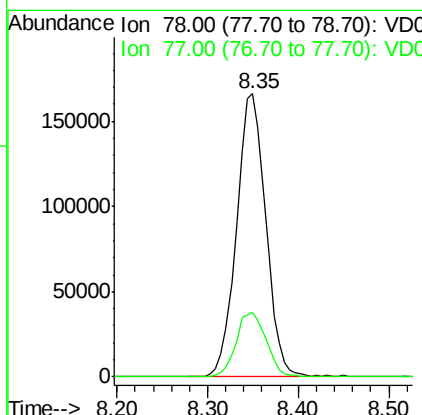
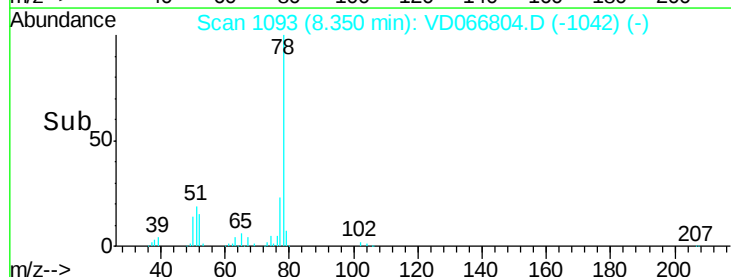
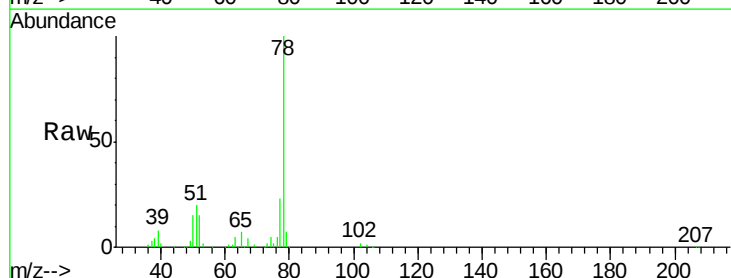
Manual Integrations
APPROVED

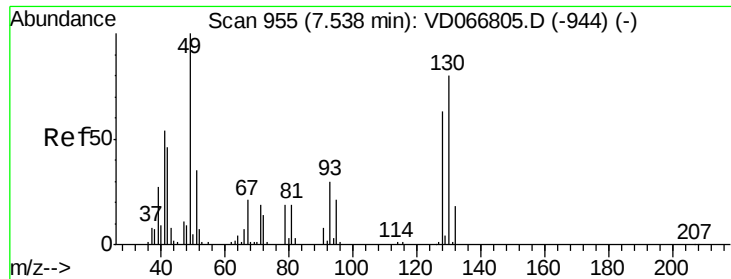
MMDadoda
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#40
Benzene
Concen: 20.113 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	78	Resp	373879
Ion Ratio	Lower	Upper	
78	100		
77	22.8	19.9	29.9





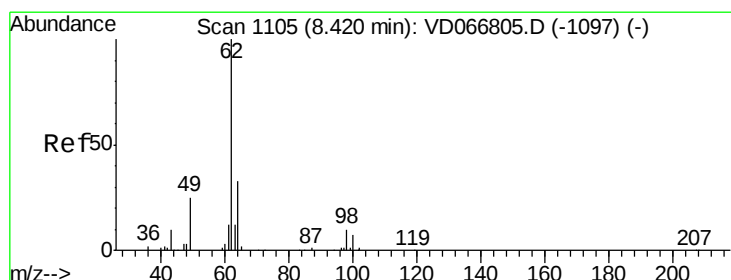
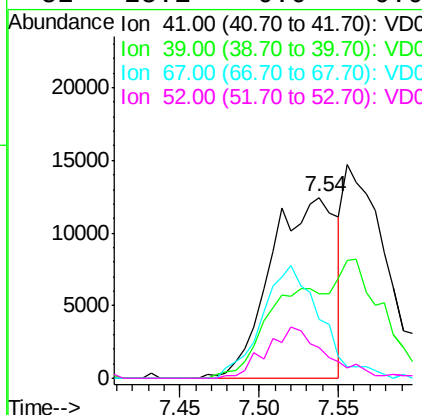
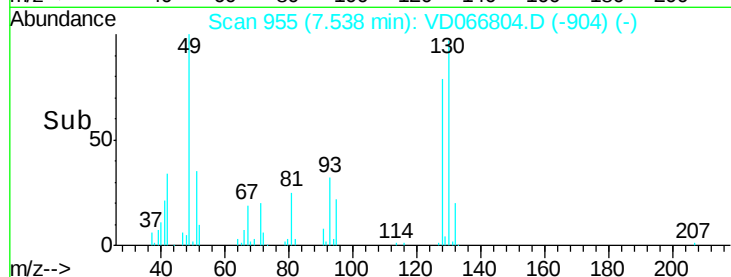
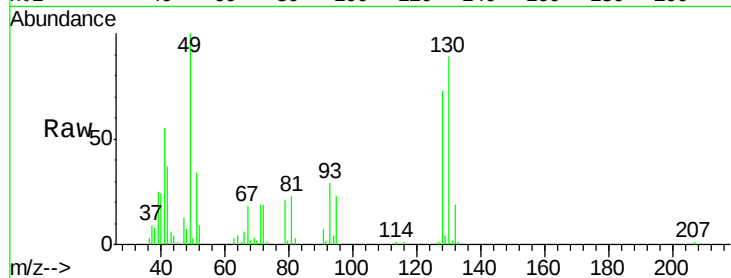
#41
Methacrylonitrile
Concen: 25.747 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.0	0.0	0.0#
67	55.4	0.0	0.0#
52	25.1	0.0	0.0#

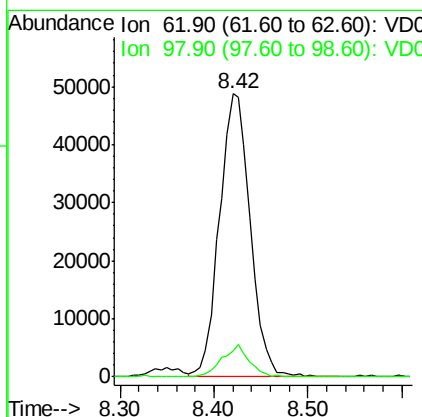
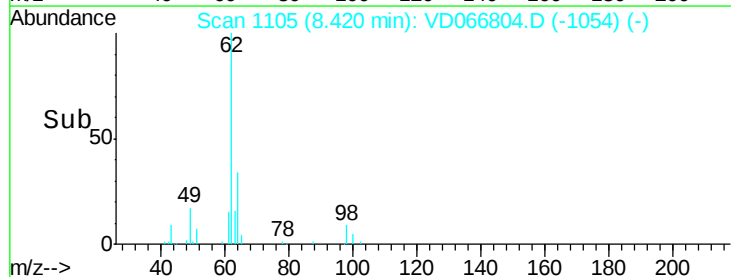
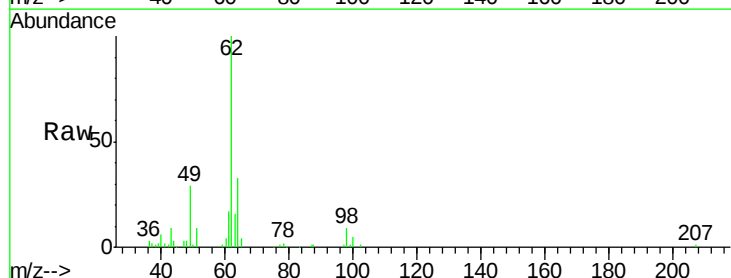
Manual Integrations
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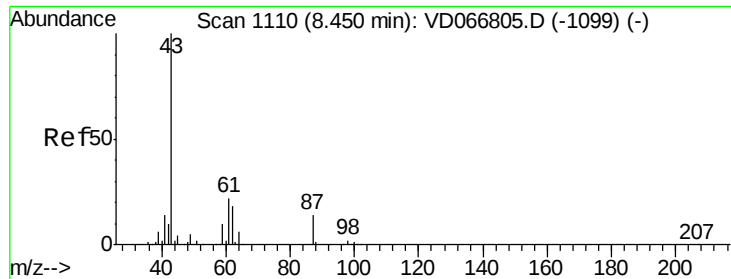
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.450 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8





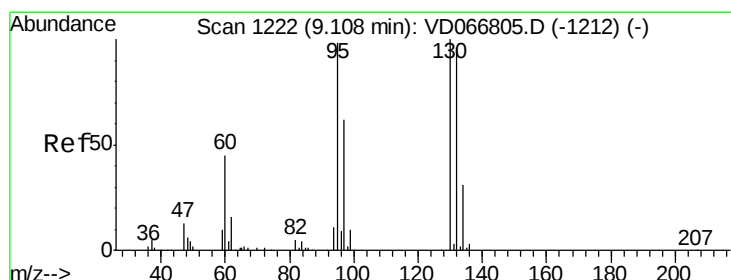
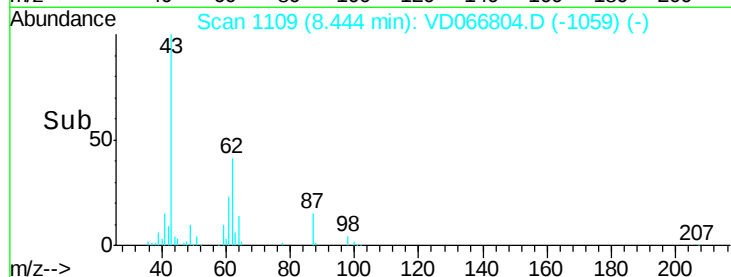
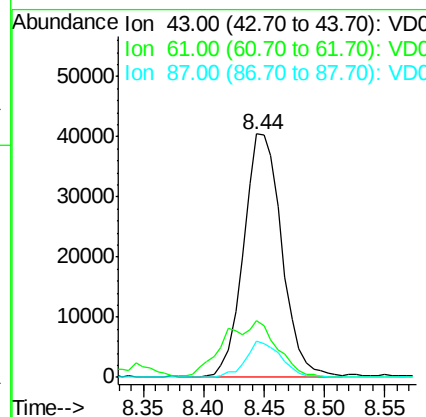
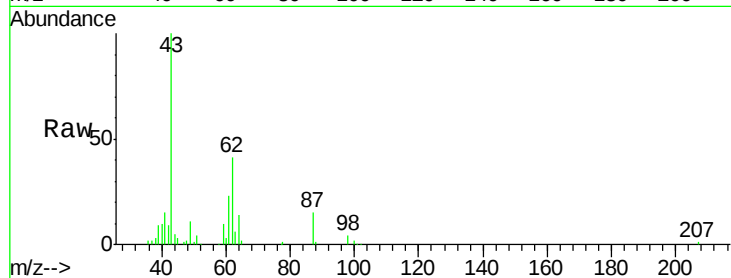
#43
Isopropyl Acetate
Concen: 18.298 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.3	26.2	39.4
87	13.6	11.5	17.3

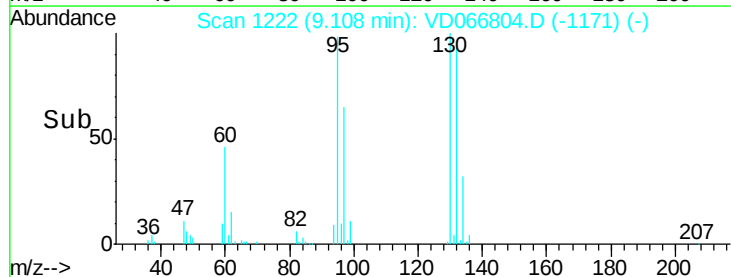
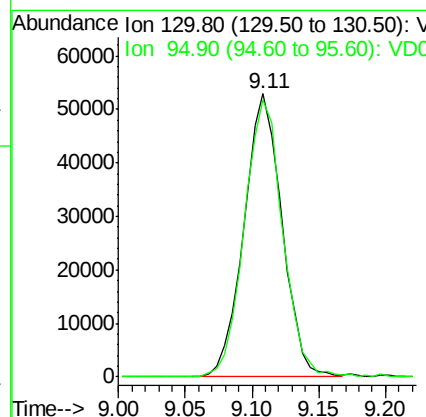
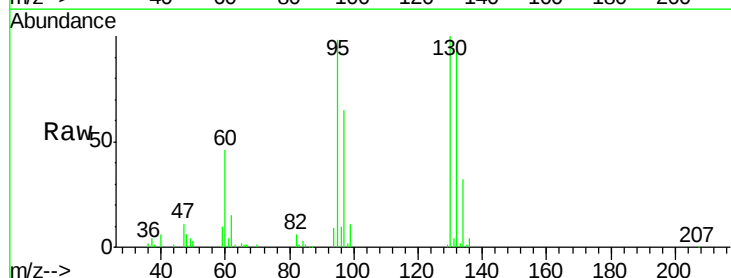
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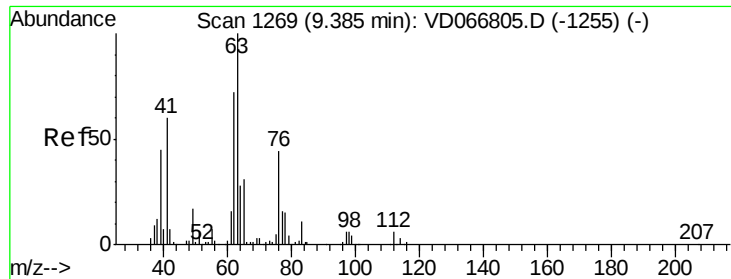
MMDadoda
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#44
Trichloroethene
Concen: 20.748 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	197.0





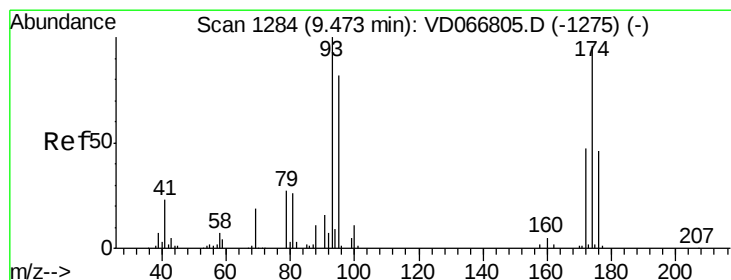
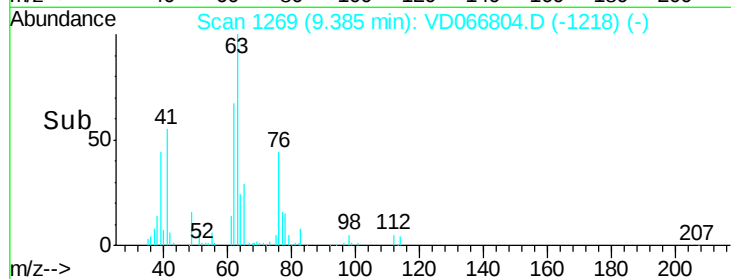
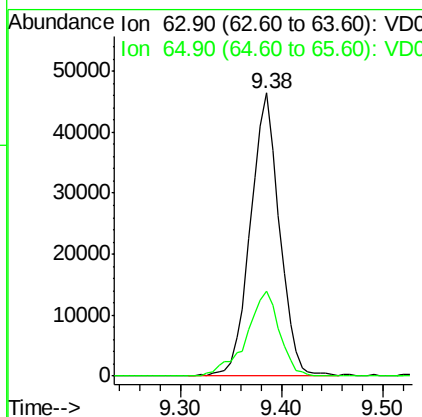
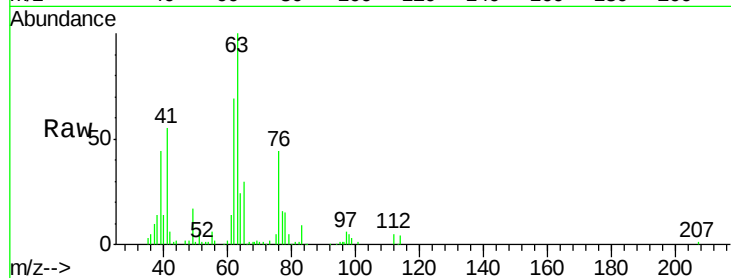
#45
 1,2-Dichloropropane
 Concen: 19.978 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion: 63 Resp: 92195
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.7 37.1

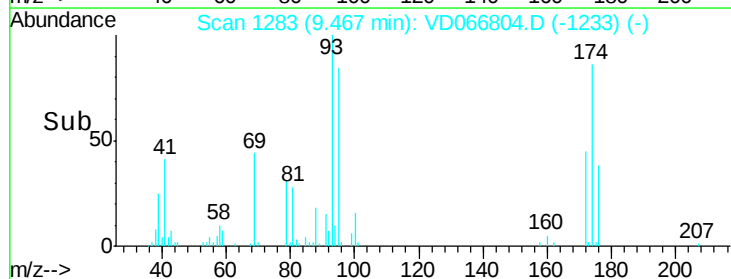
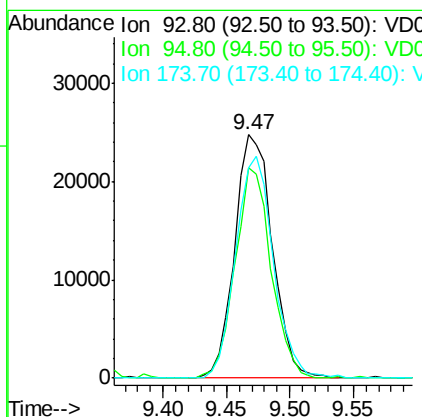
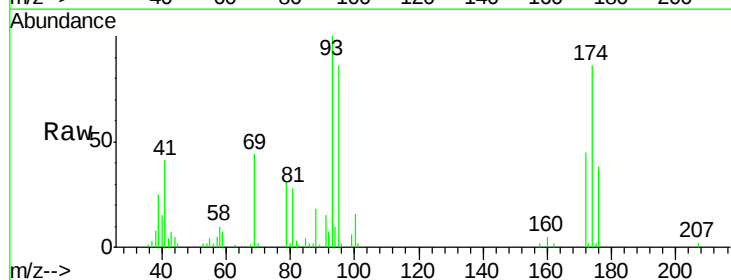
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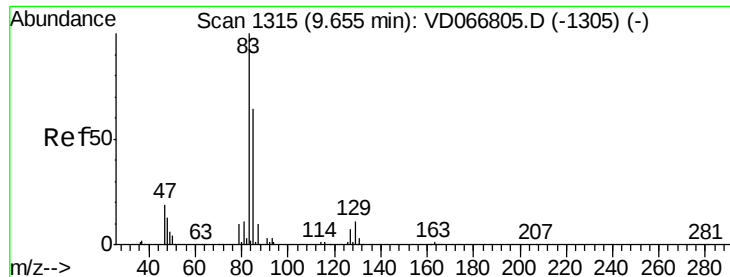
MMDadoda
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#46
 Dibromomethane
 Concen: 20.092 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion: 93 Resp: 51066
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.3 97.9
 174 91.4 75.4 113.2





#47

Bromodichloromethane

Concen: 19.922 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

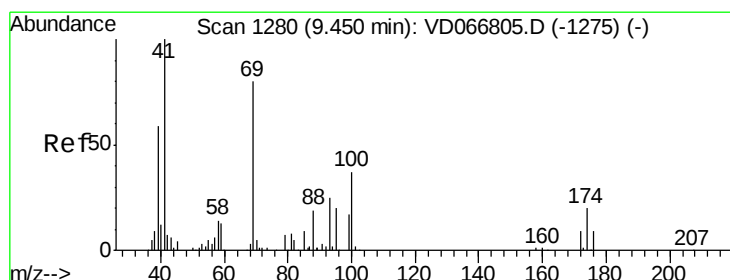
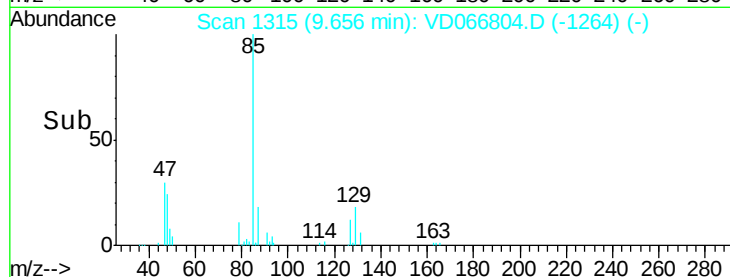
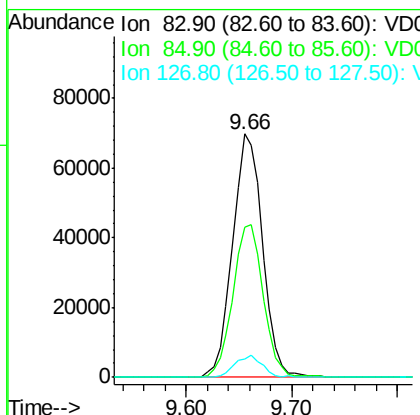
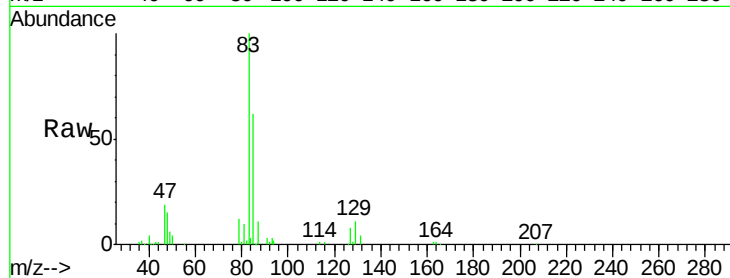
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	136893
Ion Ratio	Lower	Upper	
83	100		
85	61.6	50.9	76.3
127	7.6	5.9	8.9

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#48

Methyl methacrylate

Concen: 17.410 ug/l

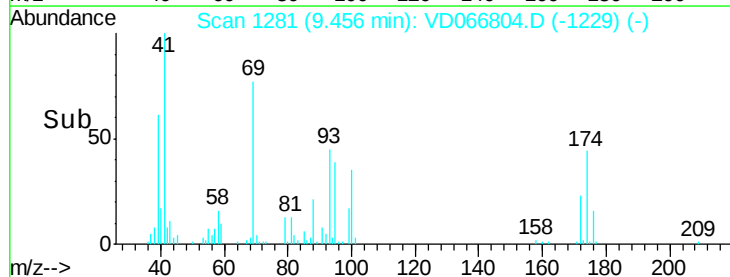
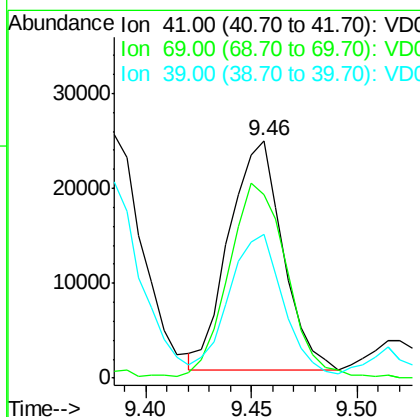
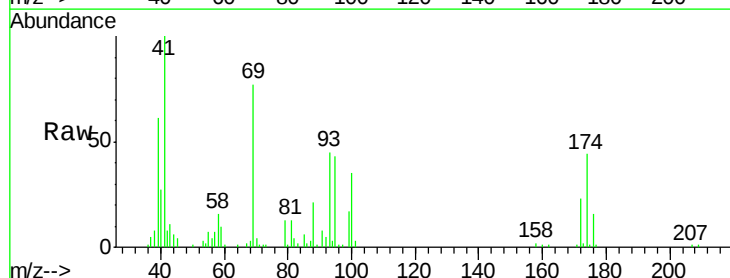
RT: 9.46 min Scan# 1281

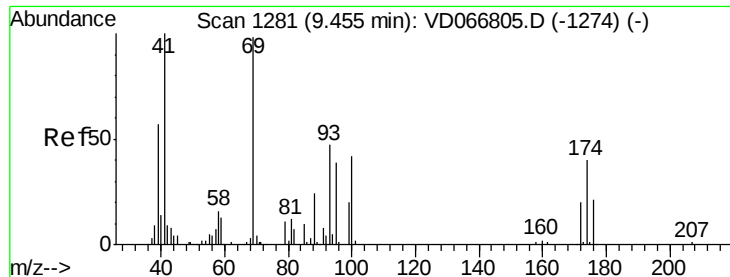
Delta R.T. 0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Tgt Ion:	41	Resp:	42488
Ion Ratio	Lower	Upper	
41	100		
69	93.5	74.5	111.7
39	60.3	47.0	70.6





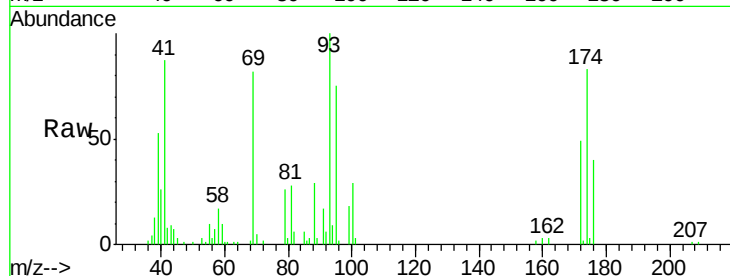
#49
1,4-Dioxane
Concen: 457.571 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	27.7	41.5
58	66.5	55.5	83.3

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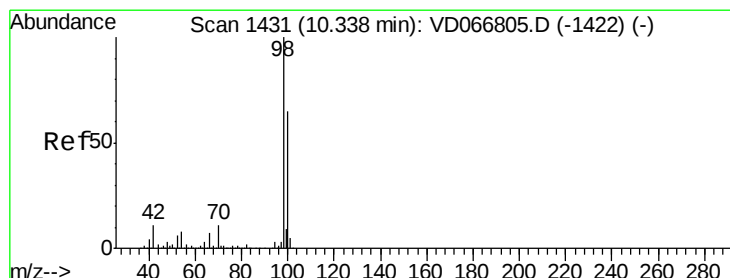
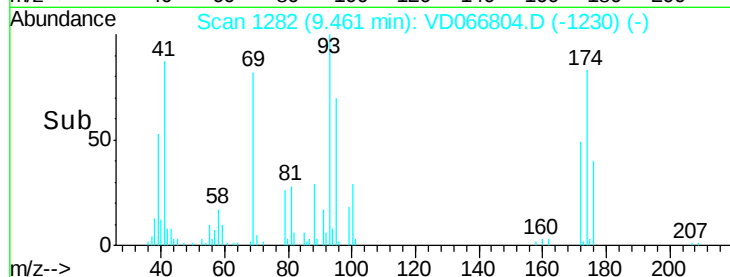
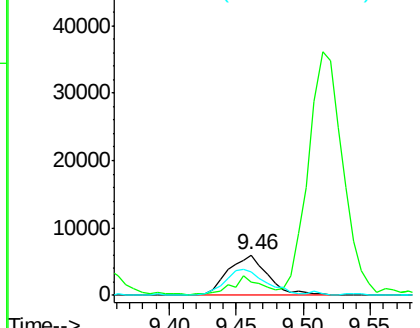


Abundance

Ion 88.00 (87.70 to 88.70): VDC

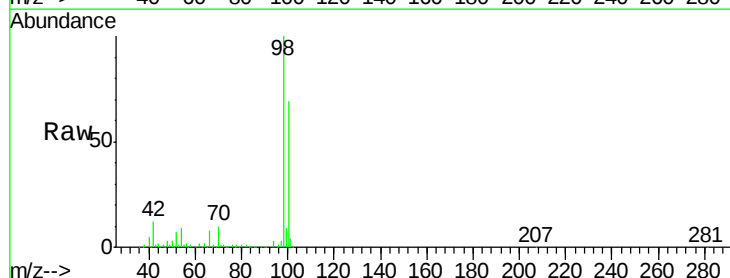
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 19.007 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

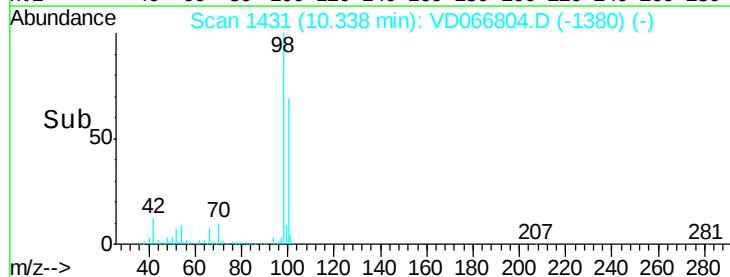
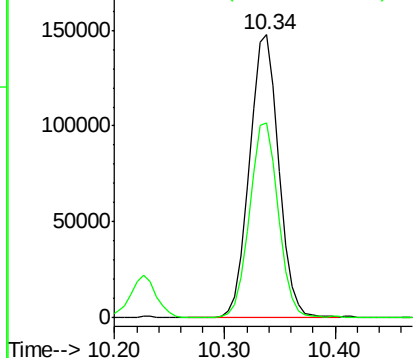
Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	52.2	78.2

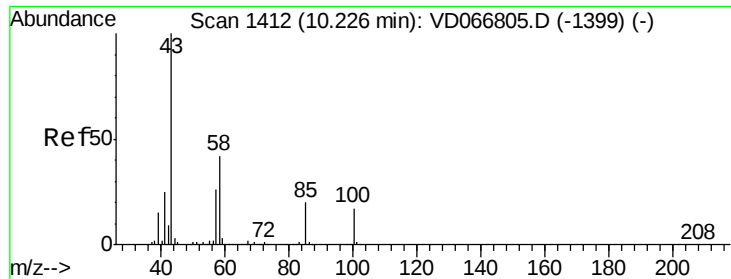


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 88.328 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 221587

Ion Ratio Lower Upper

43 100

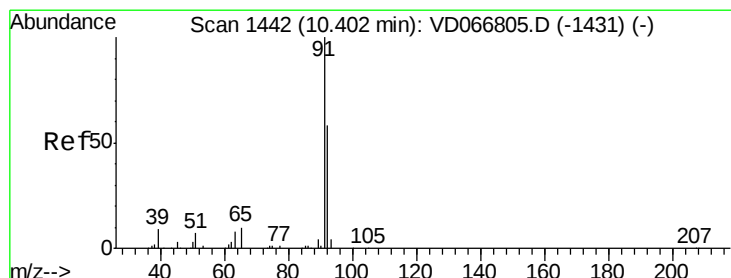
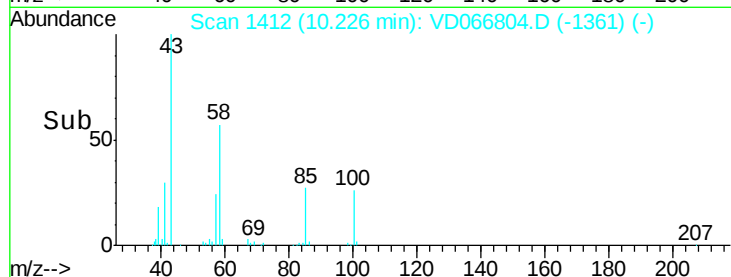
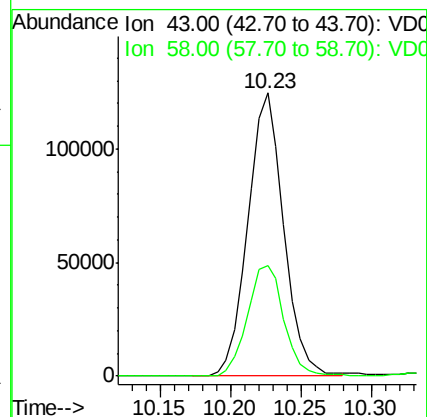
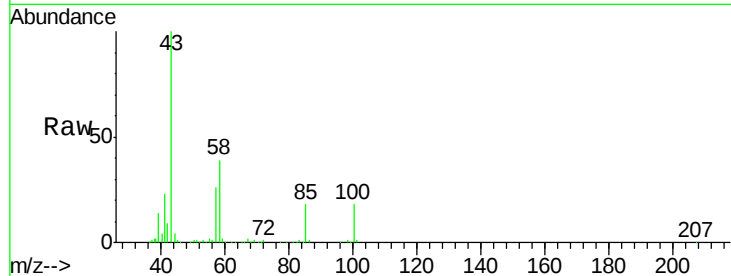
58 40.1 32.2 48.4

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#52

Toluene

Concen: 20.239 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066804.D

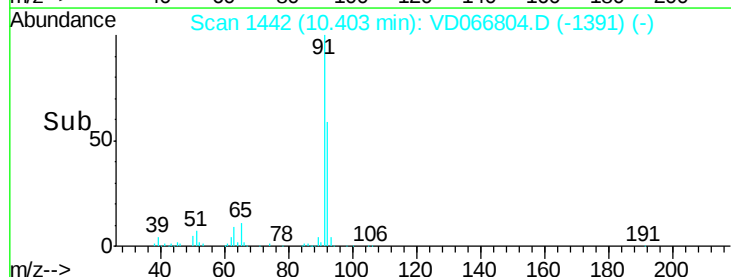
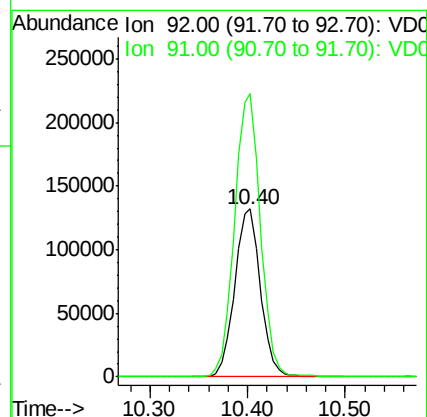
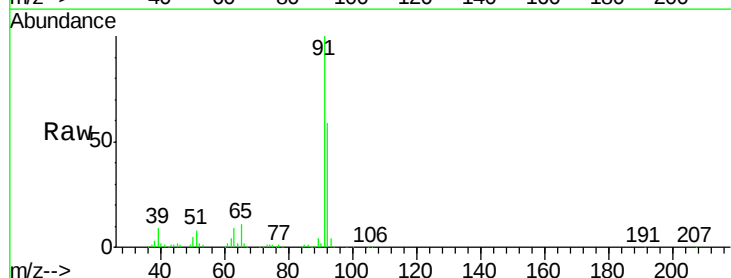
Acq: 22 Sep 2020 11:43

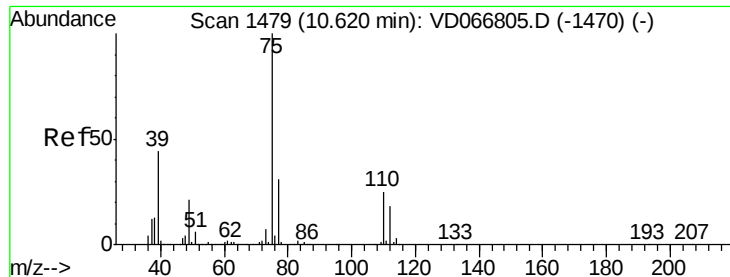
Tgt Ion: 92 Resp: 241101

Ion Ratio Lower Upper

92 100

91 169.6 134.6 202.0





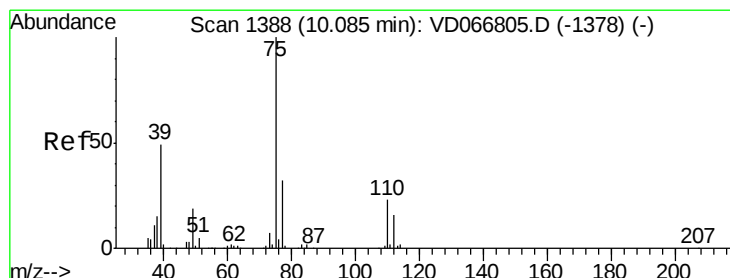
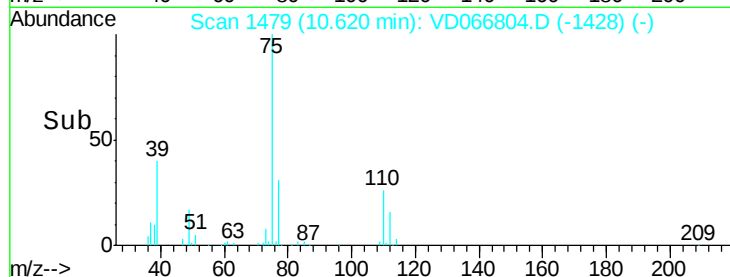
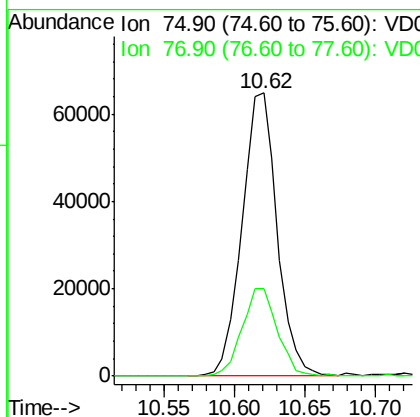
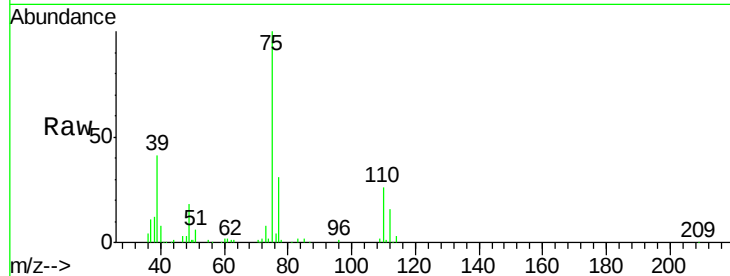
#53
 t-1,3-Dichloropropene
 Concen: 18.453 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 112882
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.5 36.7

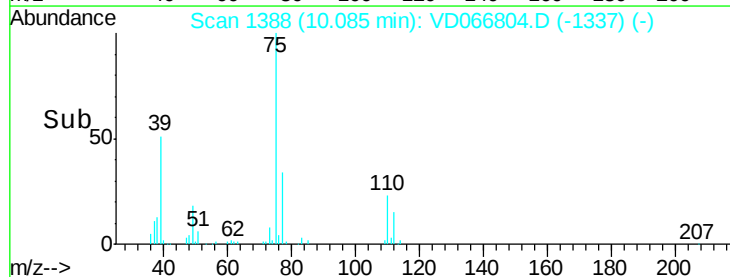
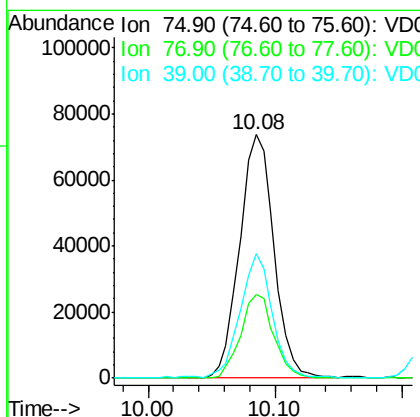
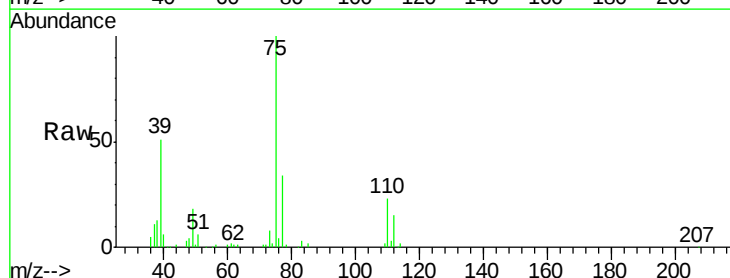
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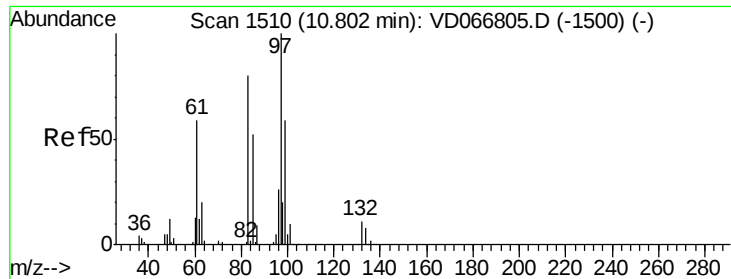
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#54
 cis-1,3-Dichloropropene
 Concen: 19.108 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion: 75 Resp: 138855
 Ion Ratio Lower Upper
 75 100
 77 34.2 25.6 38.4
 39 50.8 39.2 58.8





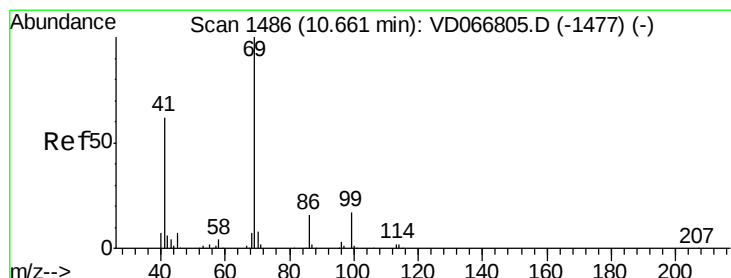
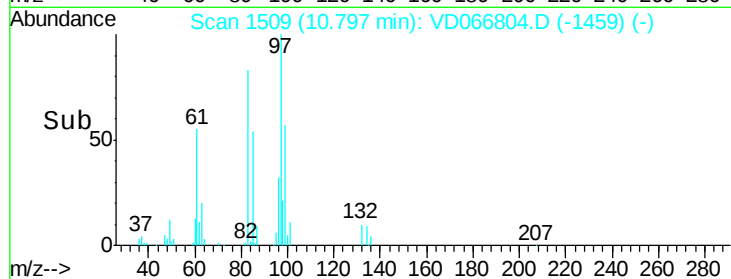
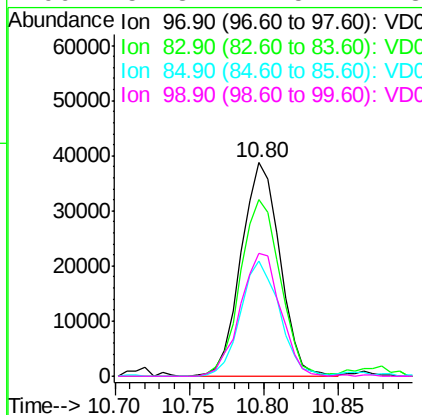
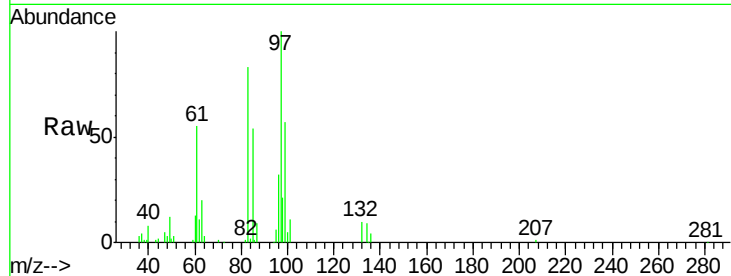
#55
 1,1,2-Trichloroethane
 Concen: 20.738 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		69832		
83	83.0	64.2	96.2		
85	53.9	41.9	62.9		
99	57.3	47.5	71.3		

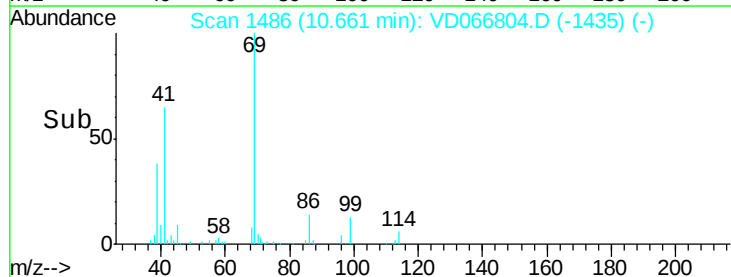
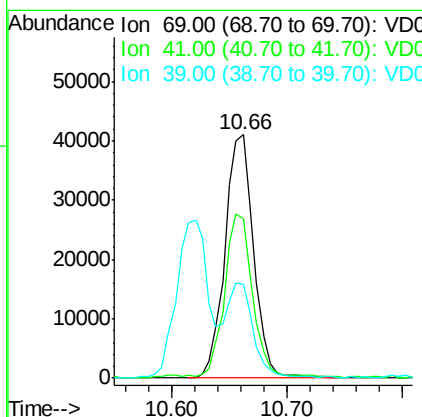
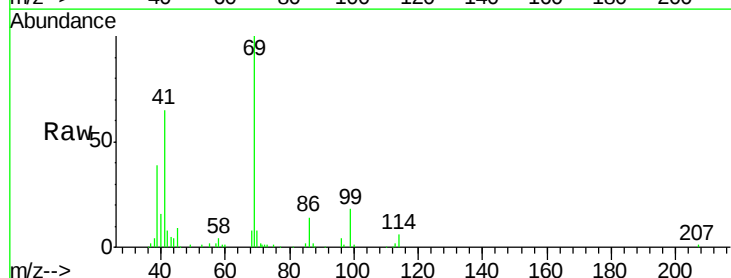
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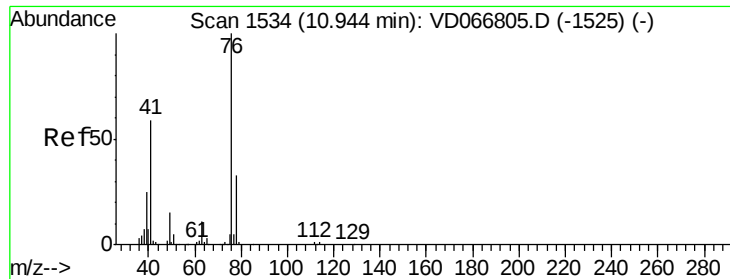
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#56
 Ethyl methacrylate
 Concen: 18.711 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		70571		
41	65.3	52.2	78.2		
39	38.3	26.6	40.0		





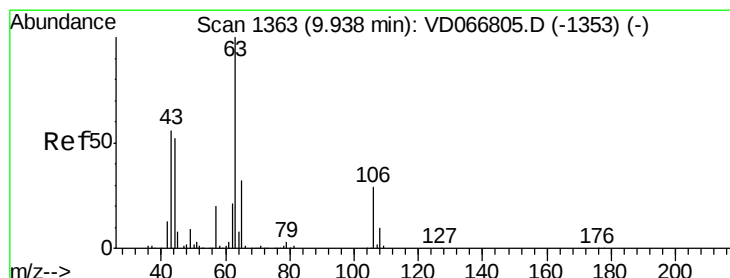
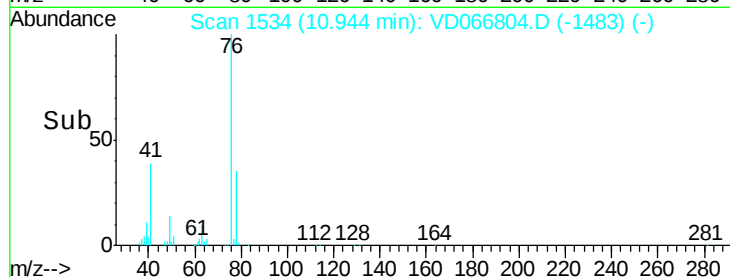
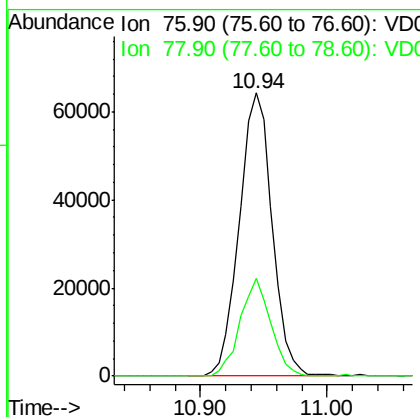
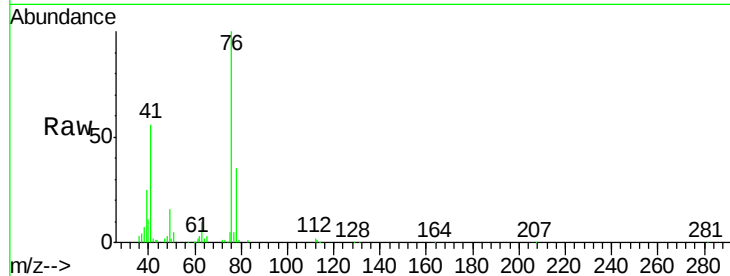
#57
 1,3-Dichloropropane
 Concen: 19.815 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.3	39.5

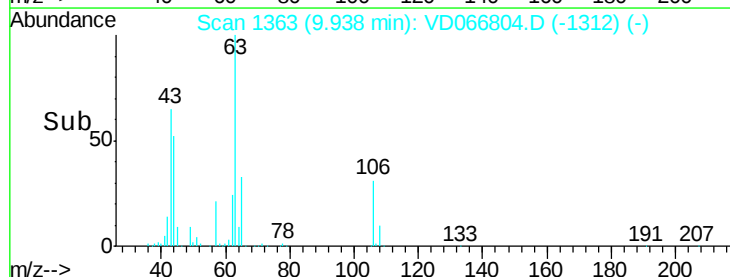
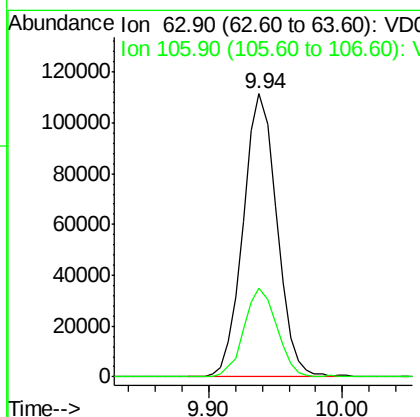
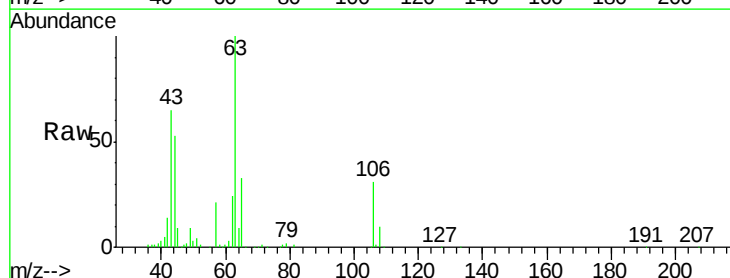
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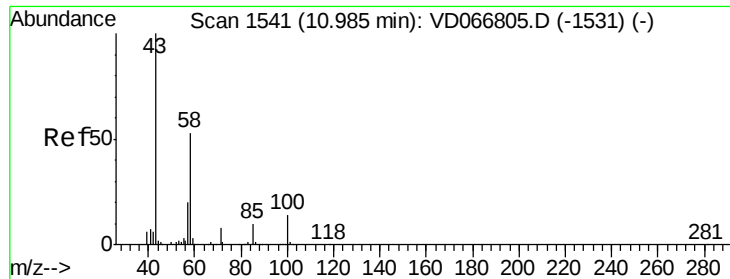
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#58
 2-Chloroethyl Vinyl ether
 Concen: 115.866 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	23.8	35.6





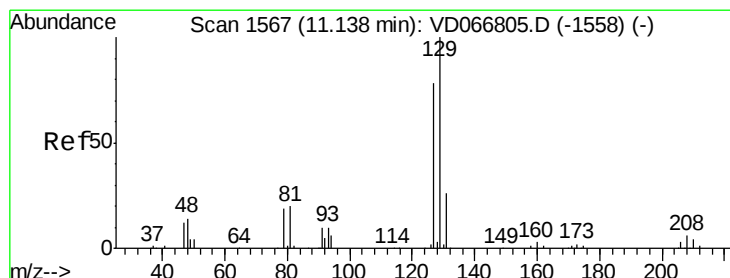
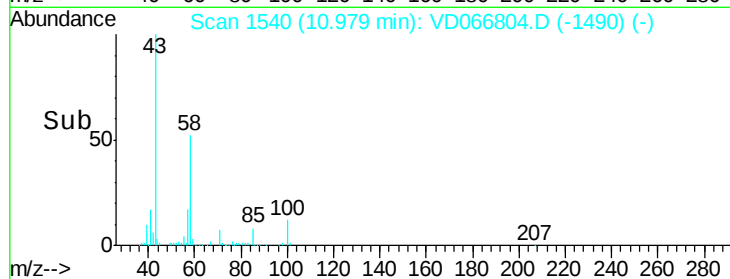
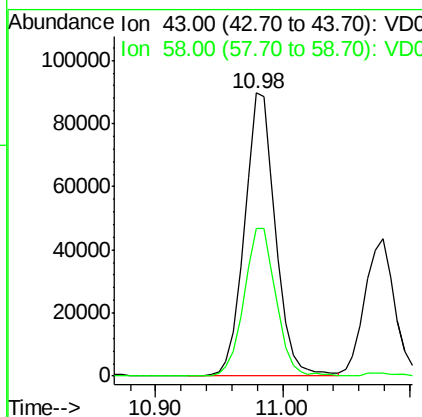
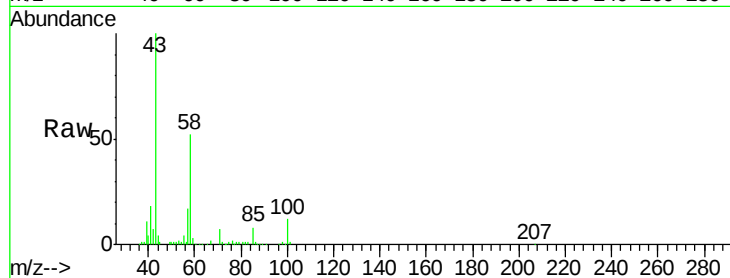
#59
2-Hexanone
Concen: 90.324 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.0	80.8

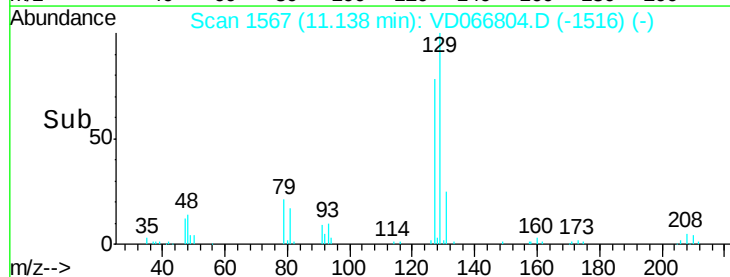
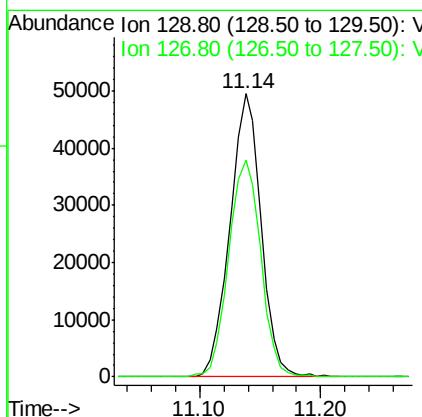
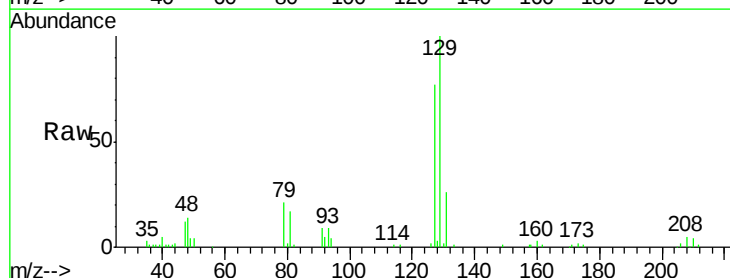
Manual Integrations
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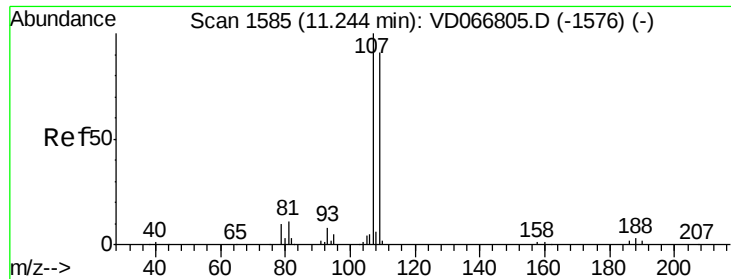
MMDadoda
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#60
Dibromochloromethane
Concen: 20.353 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.6	116.0





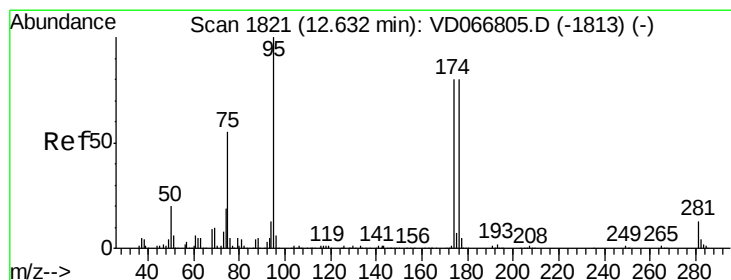
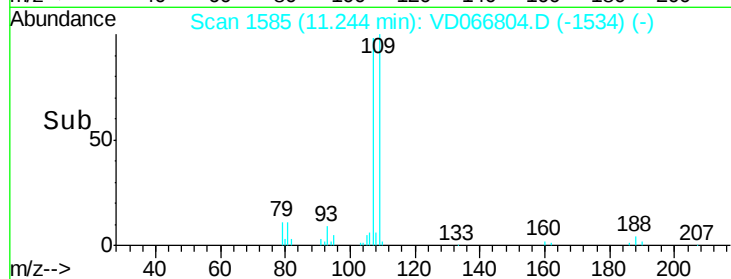
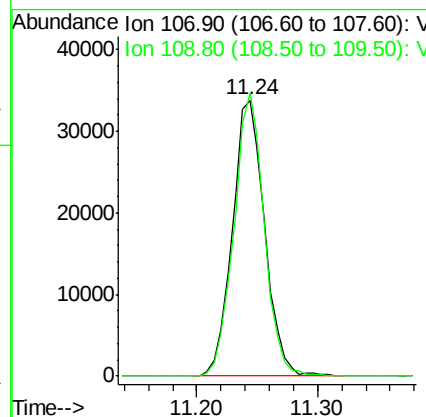
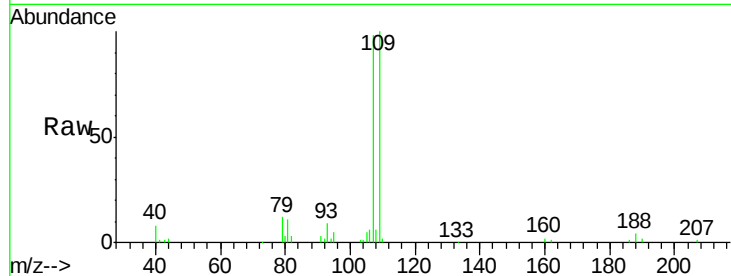
#61
 1,2-Dibromoethane
 Concen: 19.538 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 62763
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.0 112.4

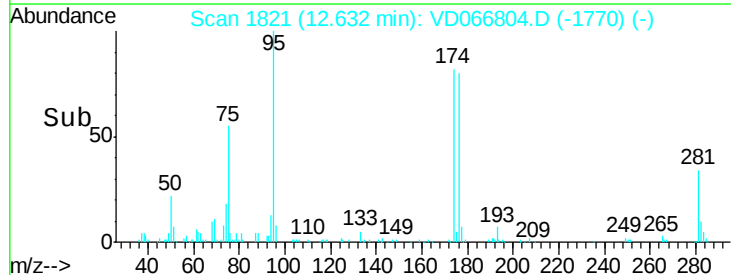
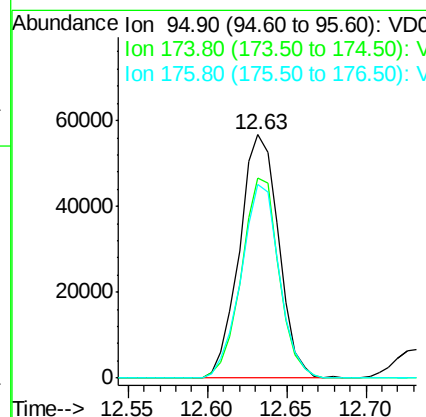
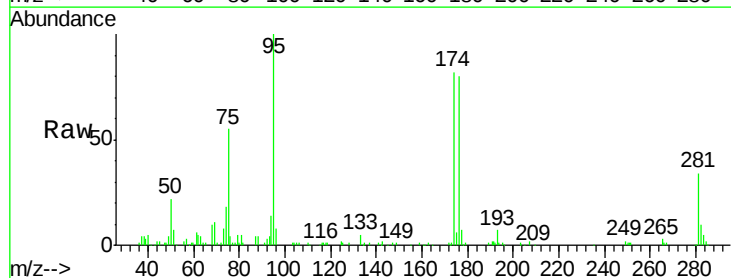
Manual Integrations
 APPROVED

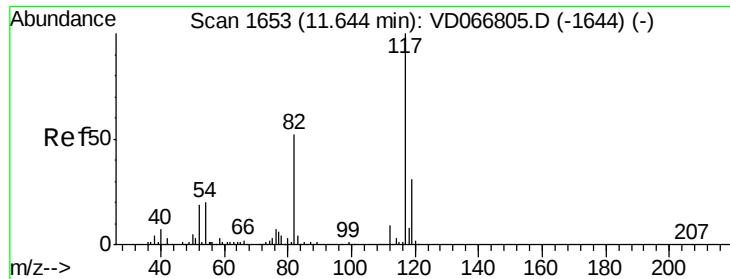
MMDadoda
 9/23/2020 1:04:57 PM



#62
 4-Bromofluorobenzene
 Concen: 19.364 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion: 95 Resp: 97261
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 159.8
 176 77.4 0.0 154.4





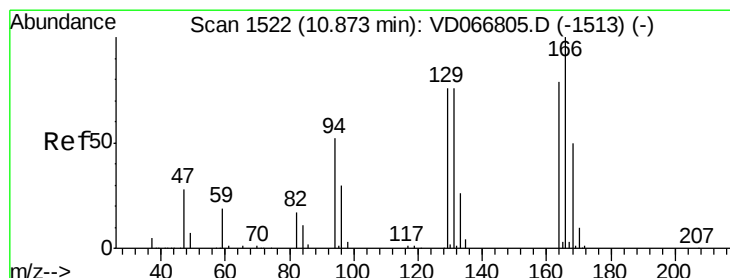
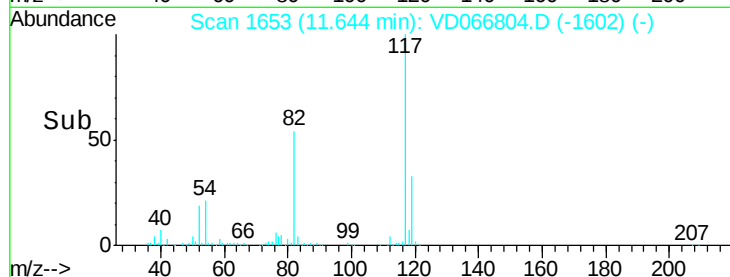
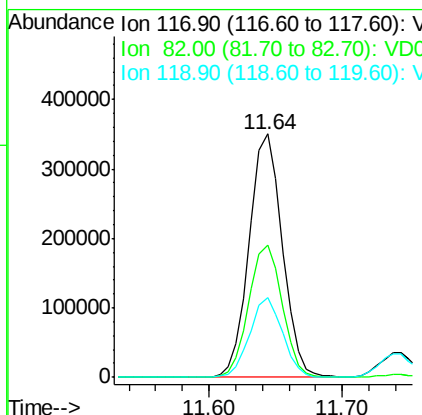
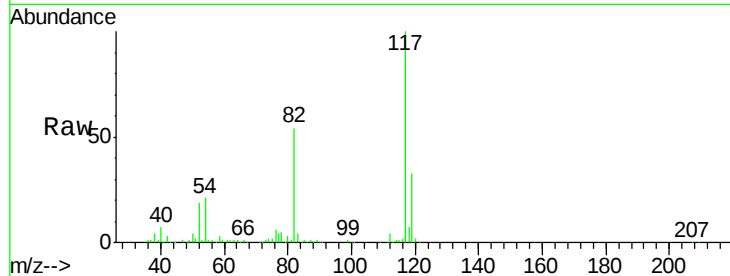
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	600435		
82	54.3		41.8	62.6
119	33.0		24.6	37.0

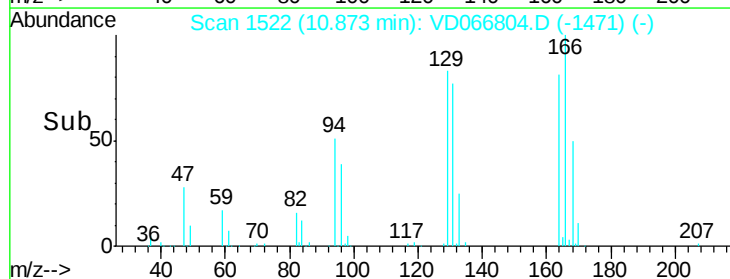
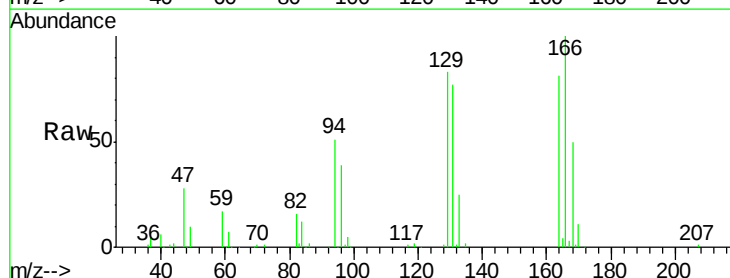
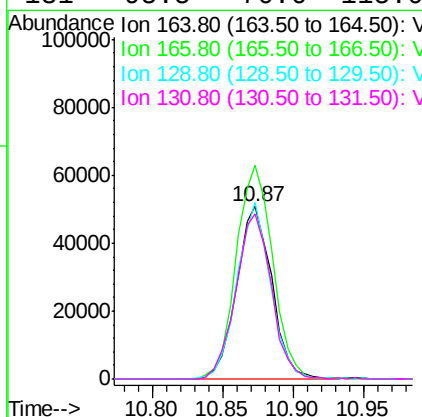
Manual Integrations
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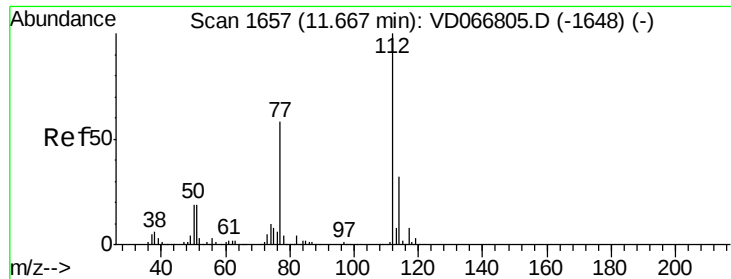
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#64
Tetrachloroethene
Concen: 21.444 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88530		
166	123.9		101.1	151.7
129	102.4		77.0	115.4
131	95.5		76.6	115.0





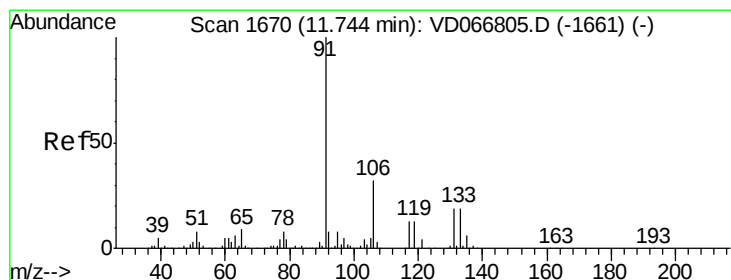
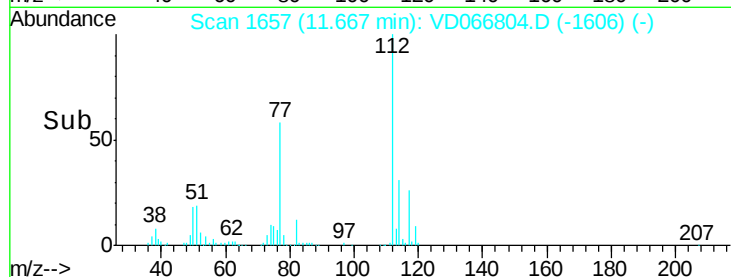
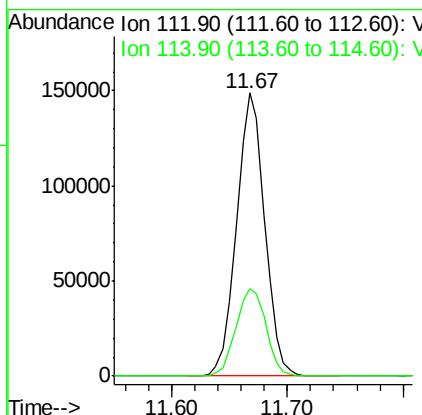
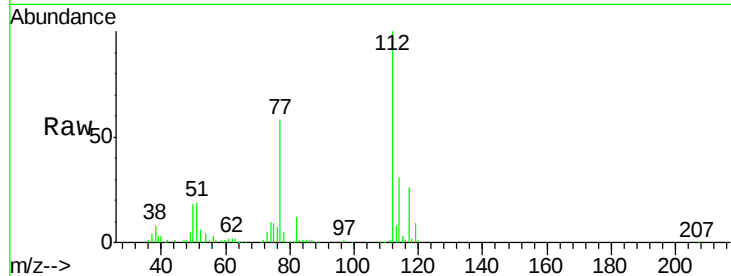
#65
Chlorobenzene
Concen: 20.189 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.2

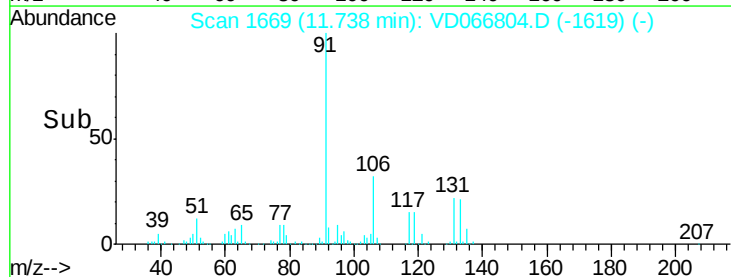
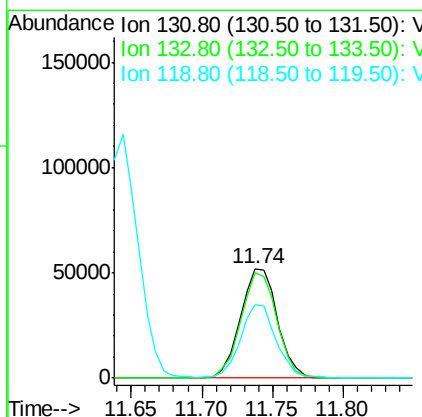
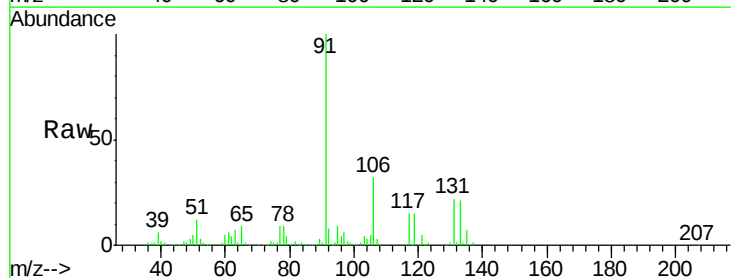
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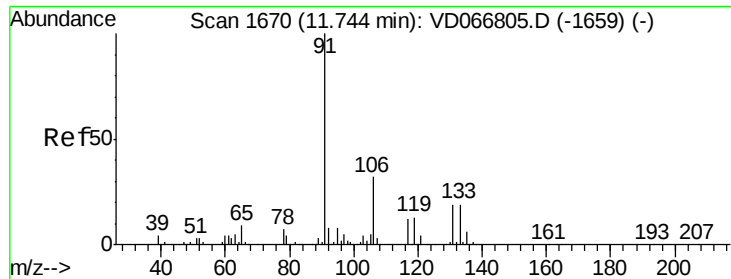
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.524 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	46.7	140.1
119	65.3	32.3	96.9





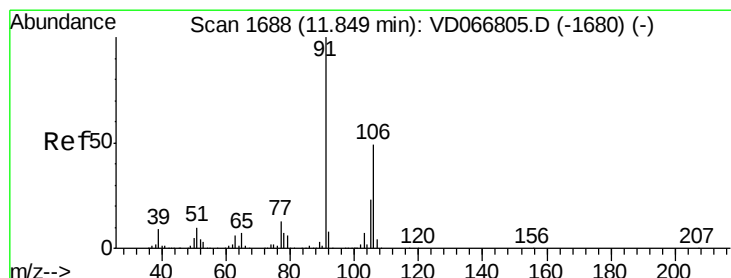
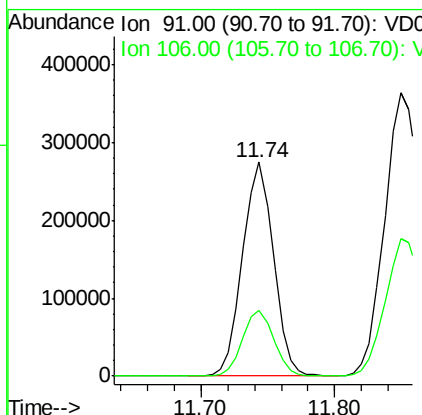
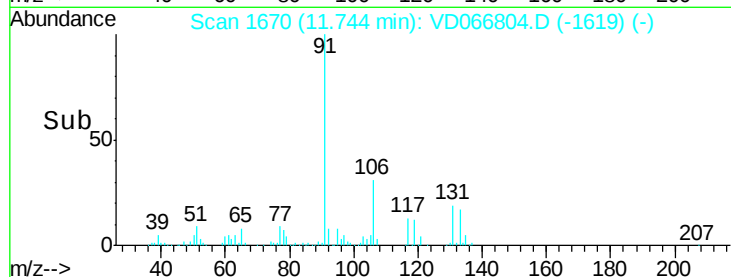
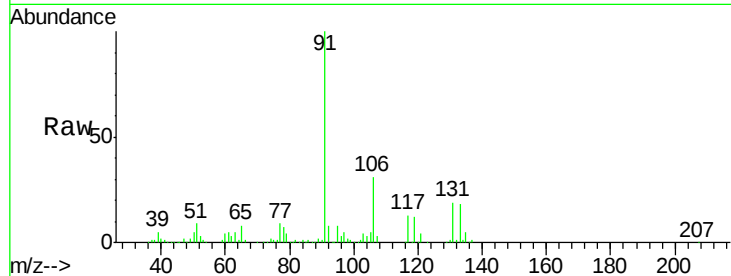
#67
Ethyl Benzene
Concen: 19.713 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 441564
Ion Ratio Lower Upper
91 100
106 31.0 25.6 38.4

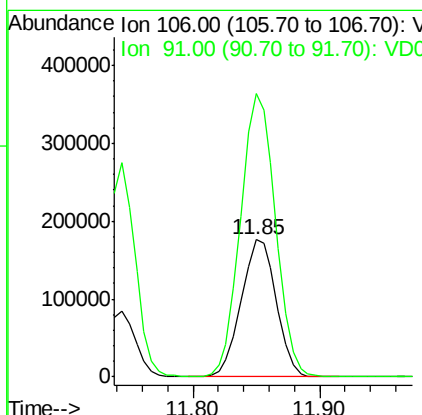
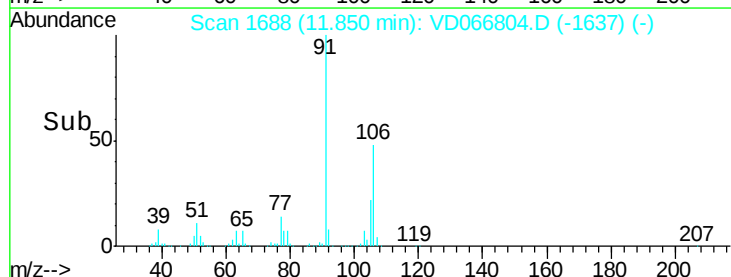
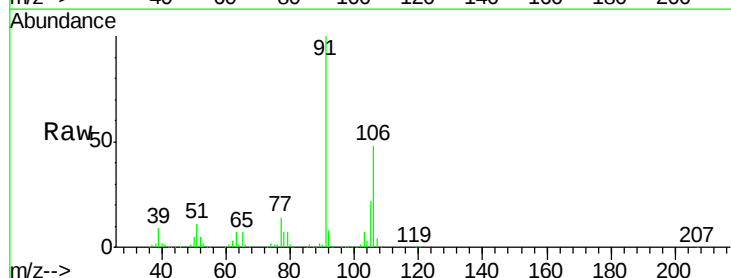
Manual Integrations
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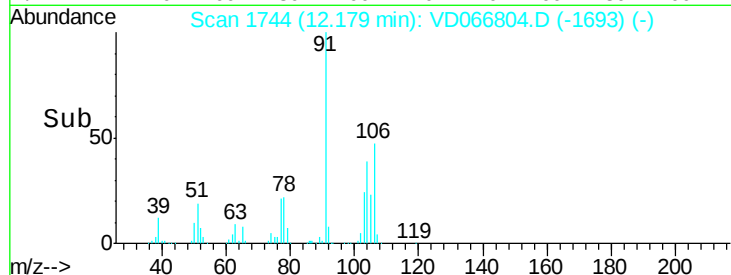
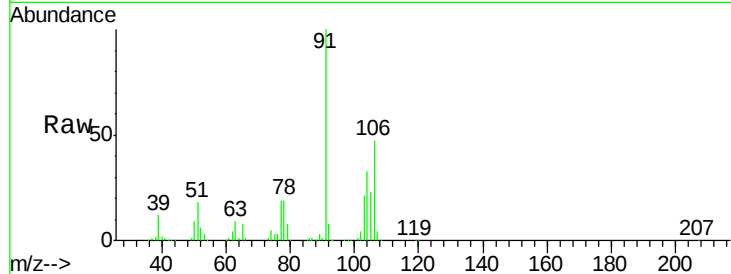
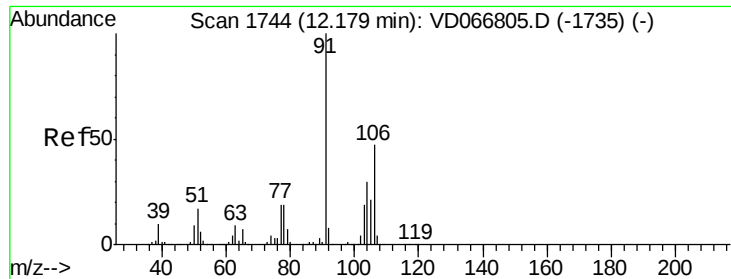
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#68
m/p-Xylenes
Concen: 39.831 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 106 Resp: 338114
Ion Ratio Lower Upper
106 100
91 206.0 160.7 241.1





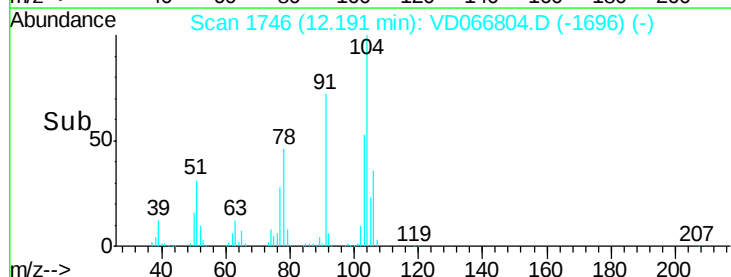
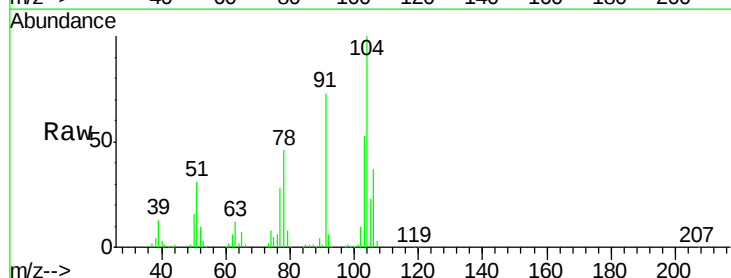
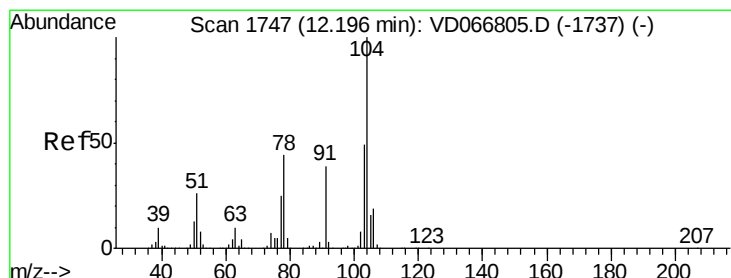
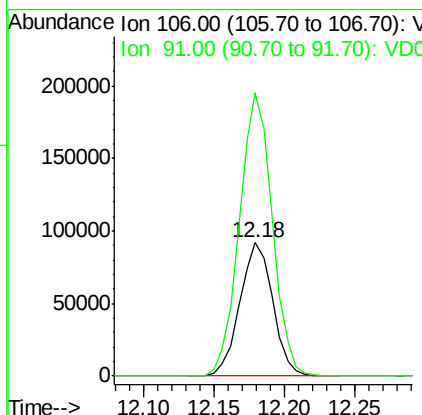
#69
o-Xylene
Concen: 19.967 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tot Ion	Ratio	Resp	Lower	Upper
106	100	150232		
91	212.3	106.3	318.8	

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

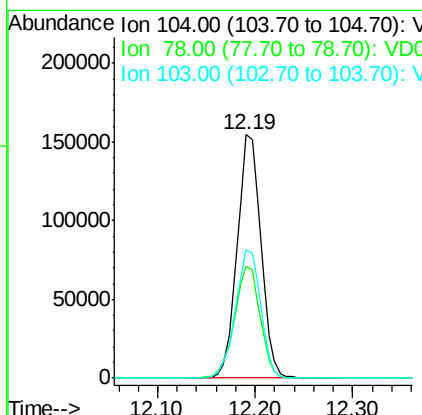
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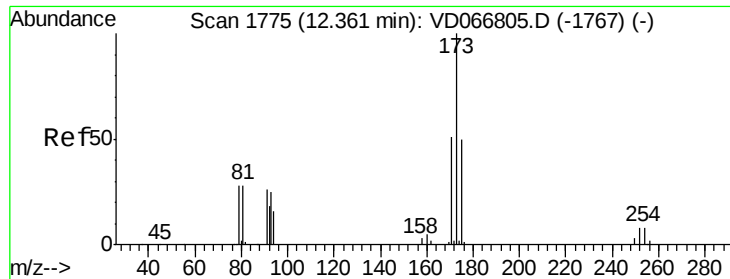
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#70
Styrene
Concen: 19.859 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	262343		
78	49.6	38.9	58.3	
103	56.1	43.2	64.8	





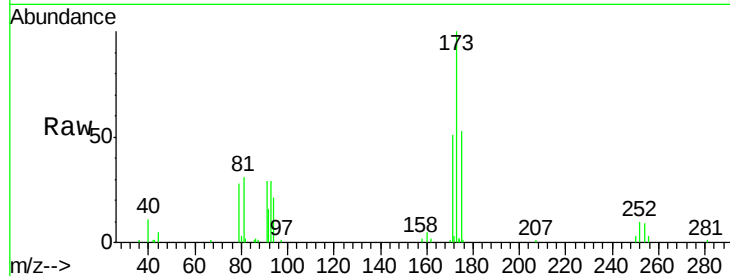
#71
Bromoform
Concen: 19.882 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

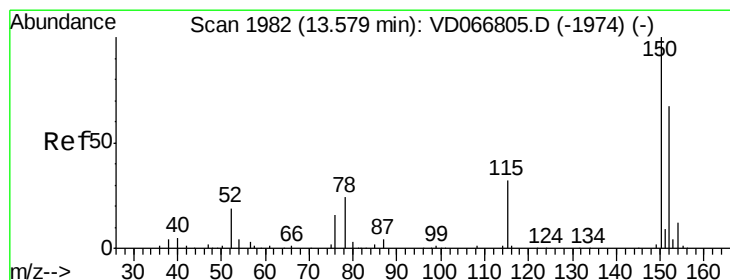
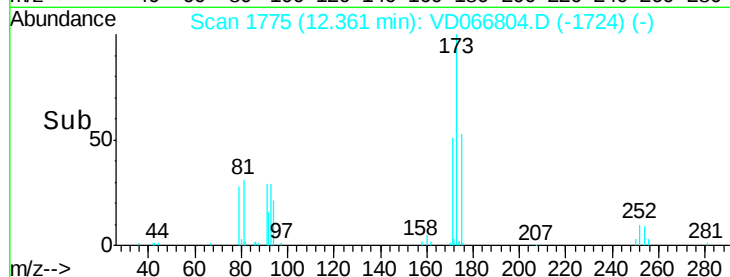
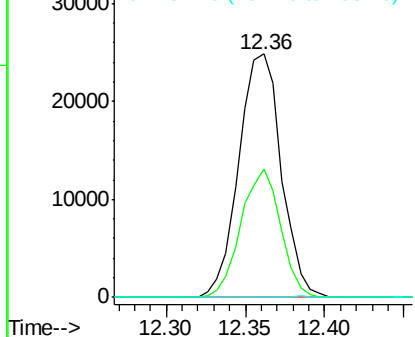
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.9	74.6
254	0.0	0.1	0.1#

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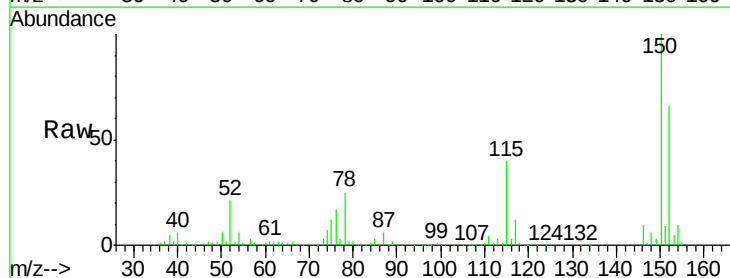


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

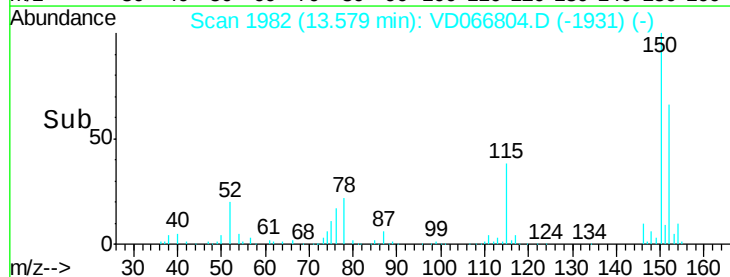
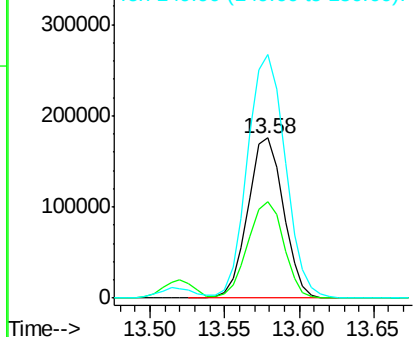


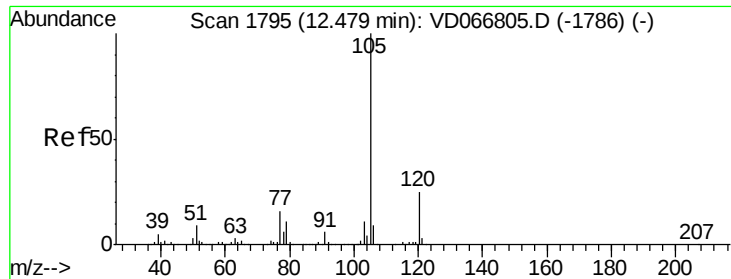
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.3	91.0
150	162.6	0.0	346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





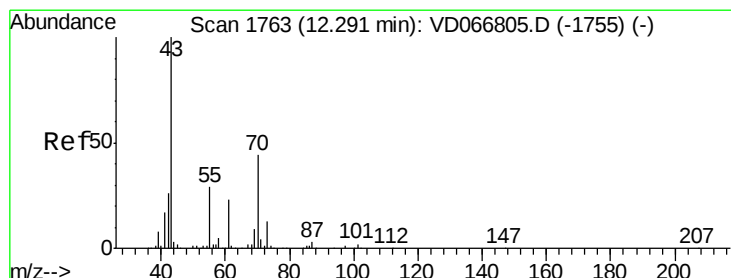
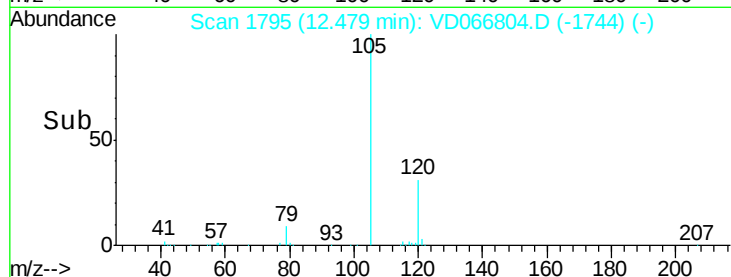
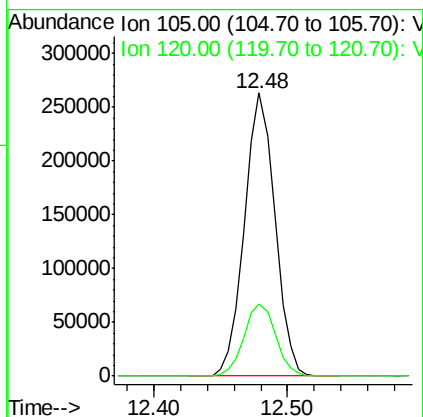
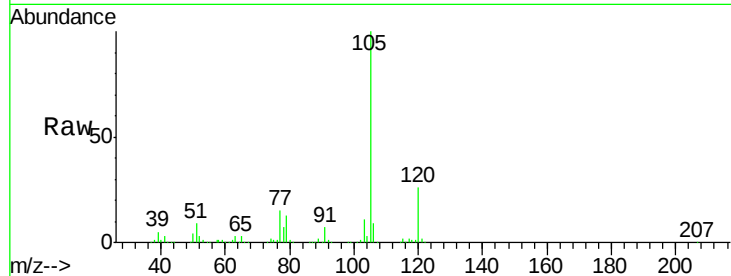
#73
Isopropylbenzene
Concen: 19.326 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.9	38.6

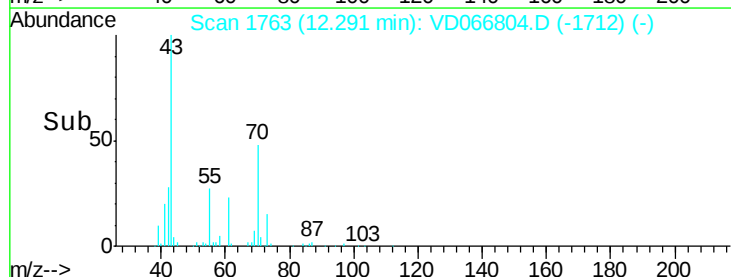
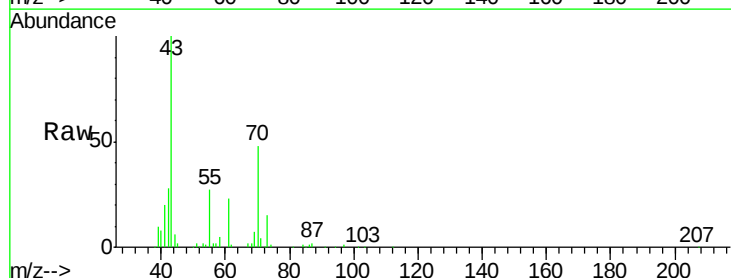
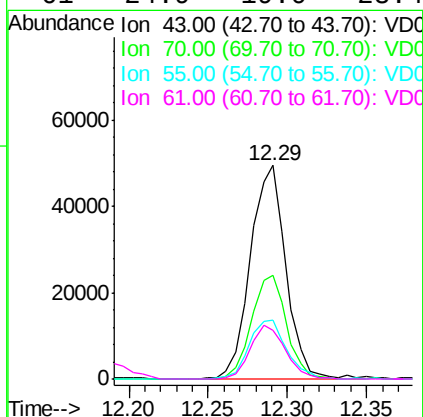
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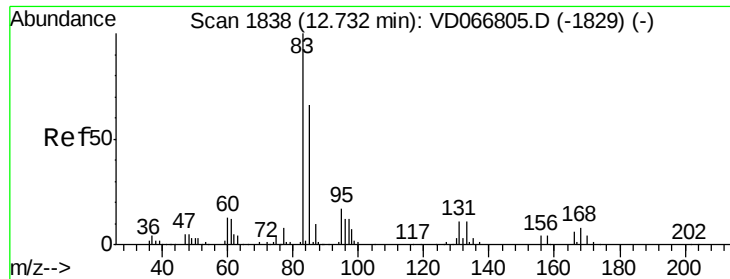
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#74
N-ethyl acetate
Concen: 17.067 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.9	36.1	54.1
55	29.3	21.8	32.8
61	24.9	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.266 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 71087

Ion Ratio Lower Upper

83 100

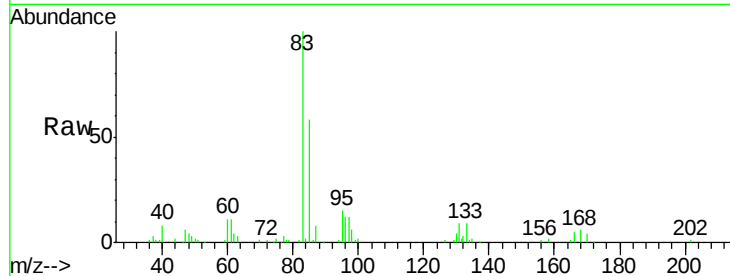
131 10.9 5.5 16.7

85 67.7 32.1 96.5

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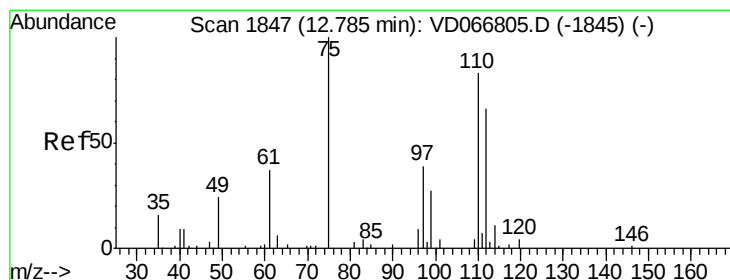
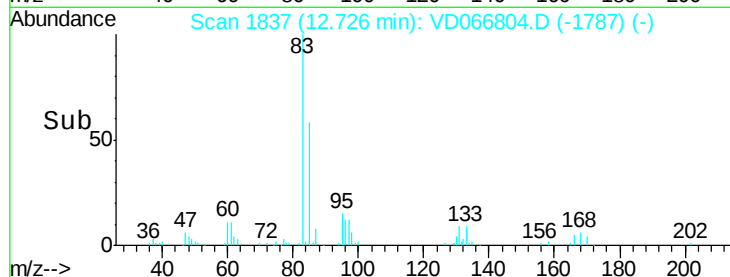
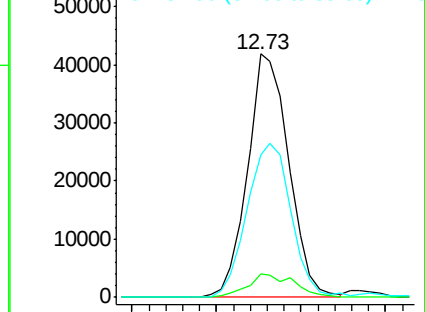
9/23/2020 1:04:57 PM



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: 17.605 ug/l m

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066804.D

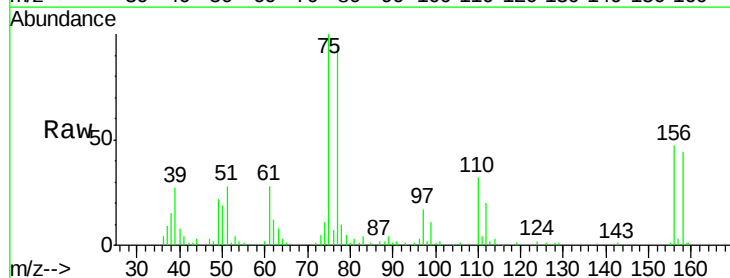
Acq: 22 Sep 2020 11:43

Tgt Ion: 75 Resp: 43767

Ion Ratio Lower Upper

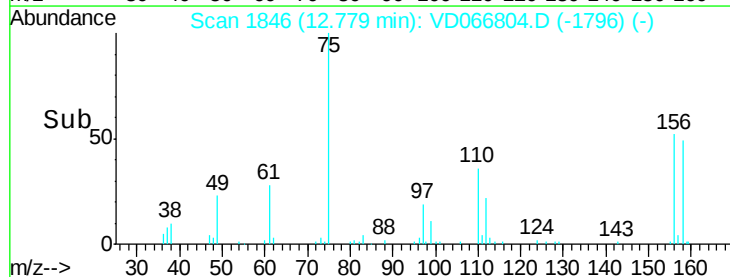
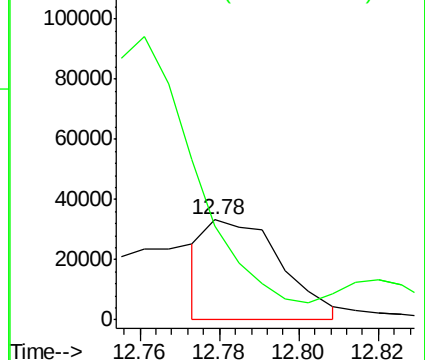
75 100

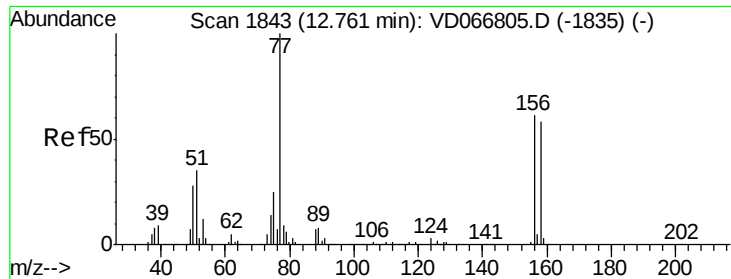
77 401.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.607 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 97982

Ion Ratio Lower Upper

156 100

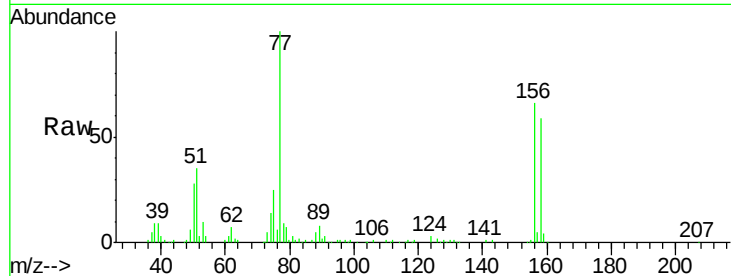
77 179.5 92.3 276.9

158 95.3 47.6 142.9

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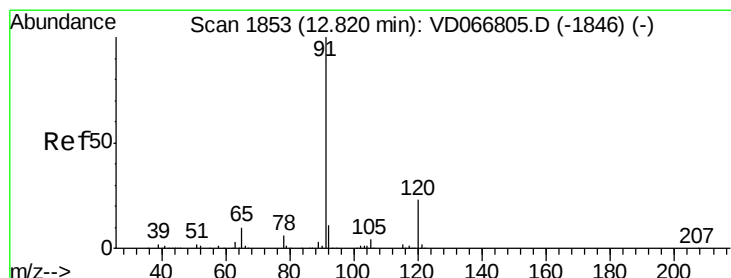
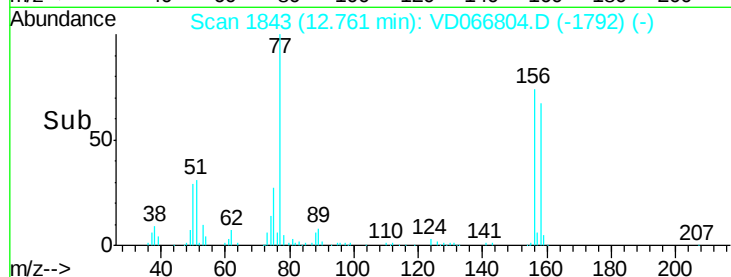
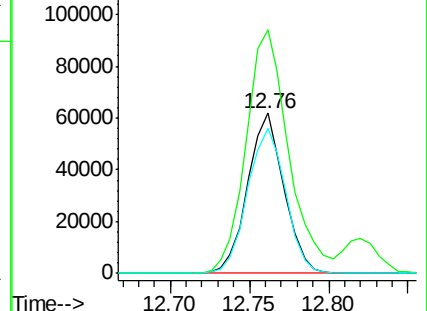
9/23/2020 1:04:57 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.182 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066804.D

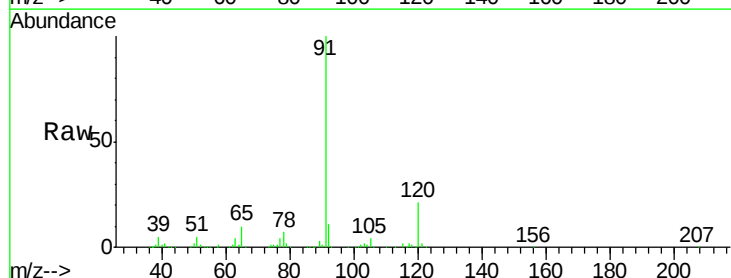
Acq: 22 Sep 2020 11:43

Tgt Ion: 91 Resp: 500984

Ion Ratio Lower Upper

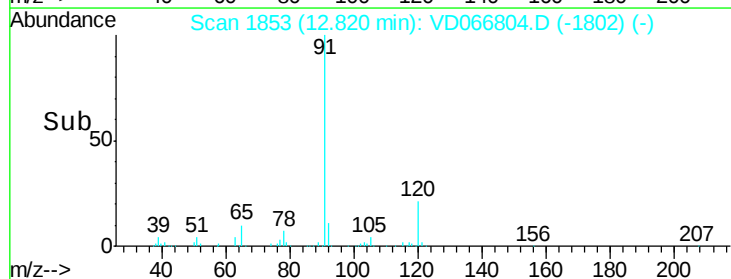
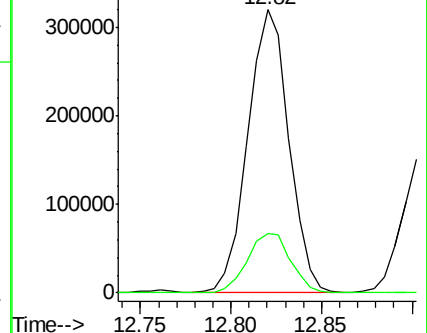
91 100

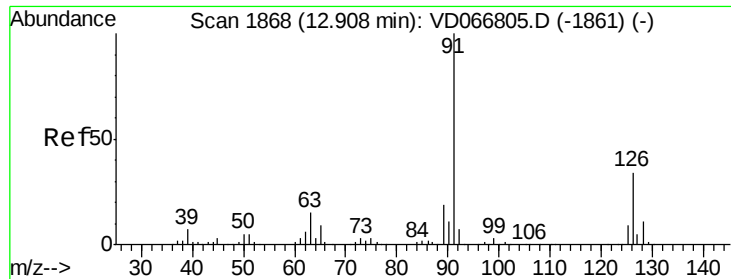
120 22.3 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.460 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 287285

Ion Ratio Lower Upper

91 100

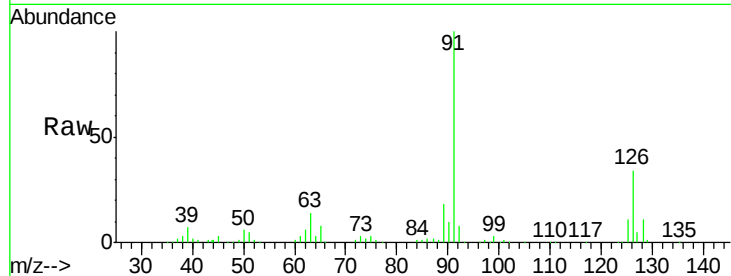
126 33.6 17.0 51.0

Manual Integrations

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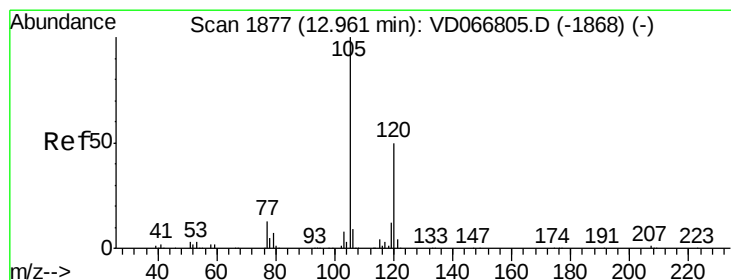
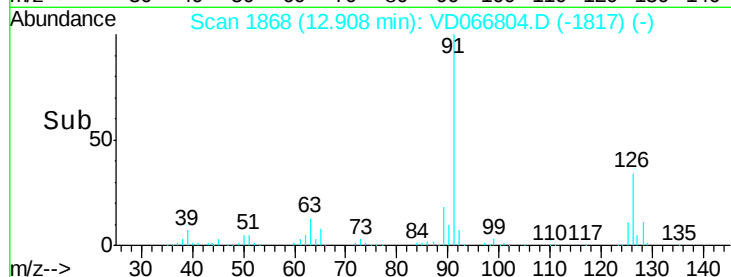
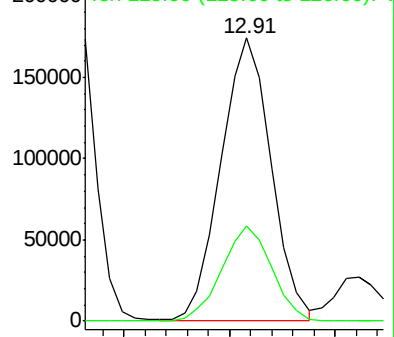
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Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.904 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066804.D

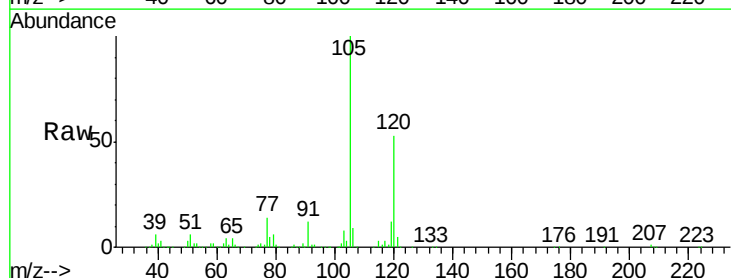
Acq: 22 Sep 2020 11:43

Tgt Ion:105 Resp: 360905

Ion Ratio Lower Upper

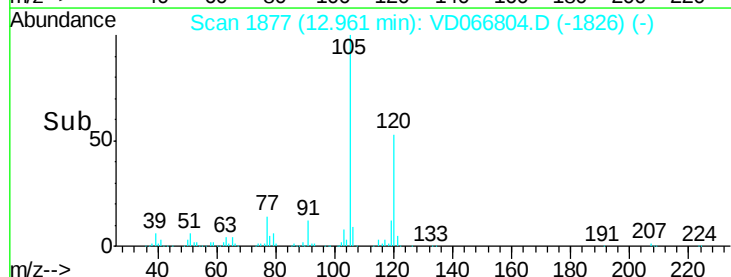
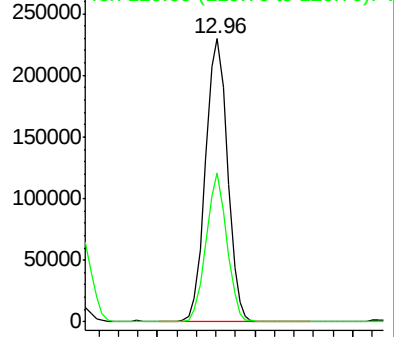
105 100

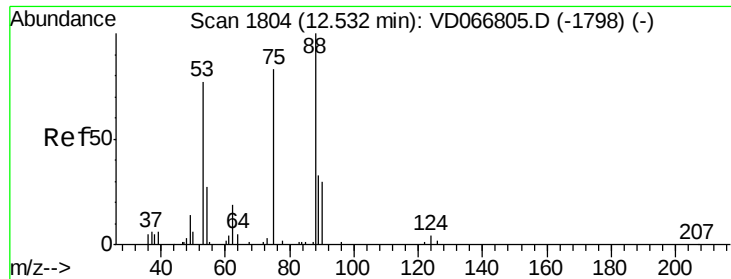
120 49.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





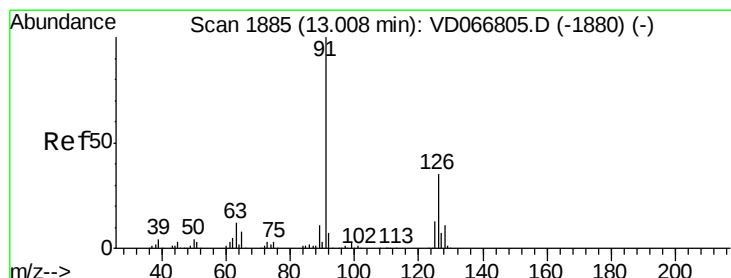
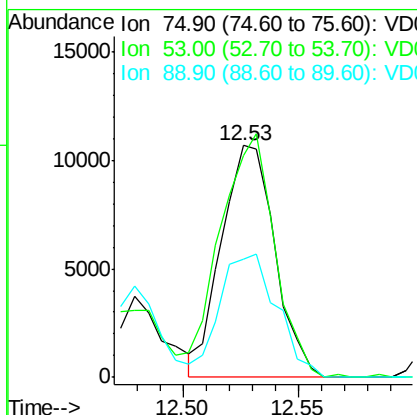
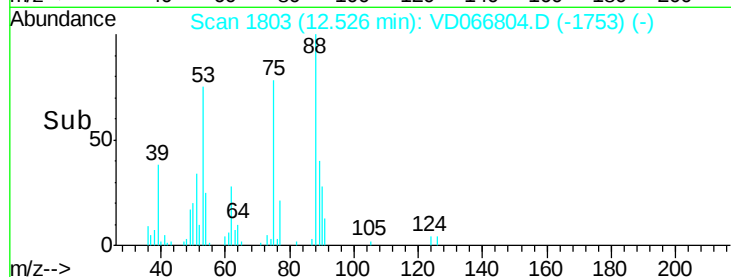
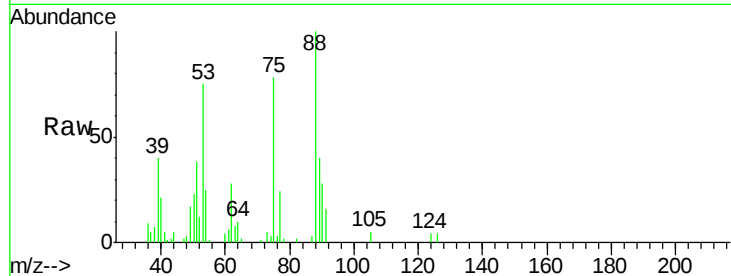
#81
trans-1,4-Dichloro-2-butene
Concen: 15.260 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.4	78.5	117.7
89	57.0	38.1	57.1

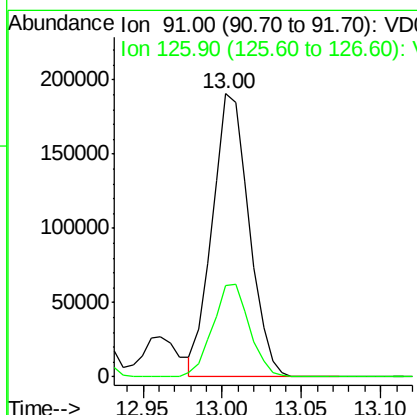
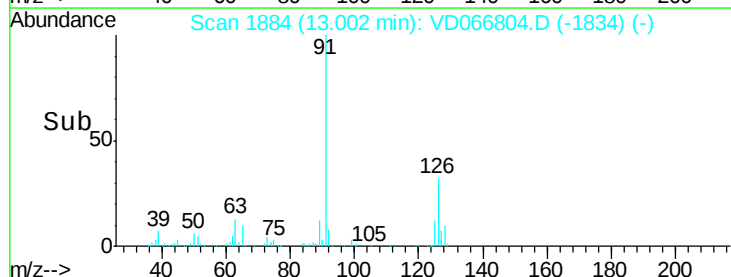
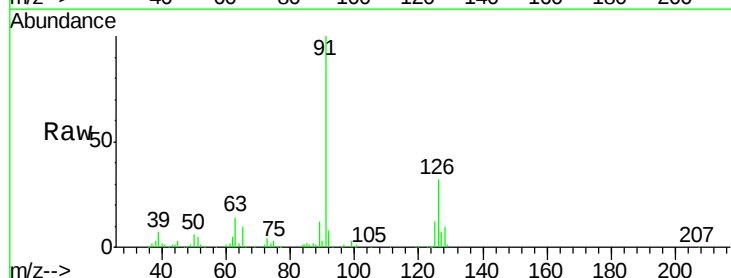
Manual Integrations
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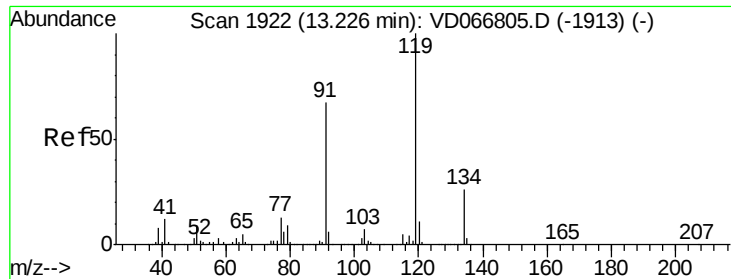
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#82
4-Chlorotoluene
Concen: 19.581 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	17.1	51.2





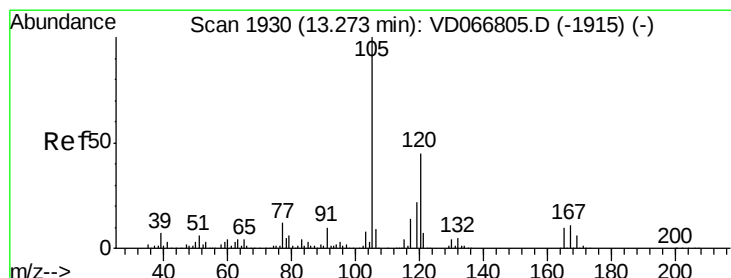
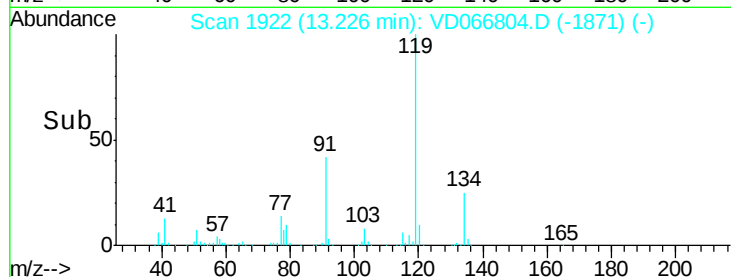
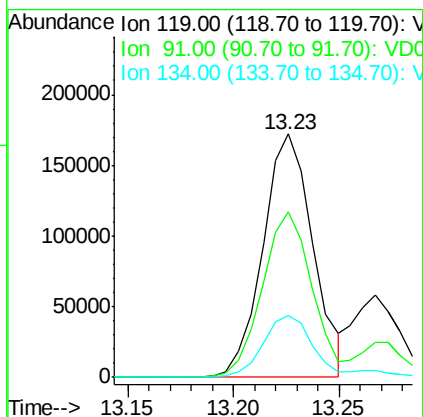
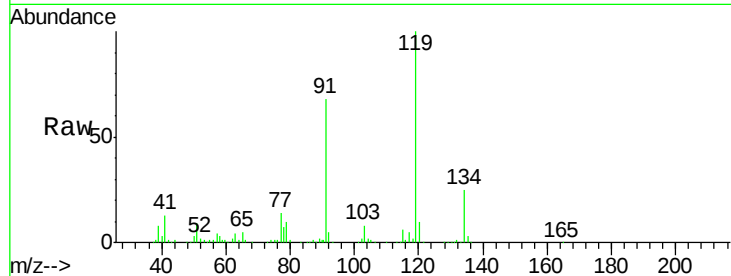
#83
tert-Butylbenzene
Concen: 18.983 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284362		
91	68.6	33.6	100.8	
134	25.0	13.5	40.4	

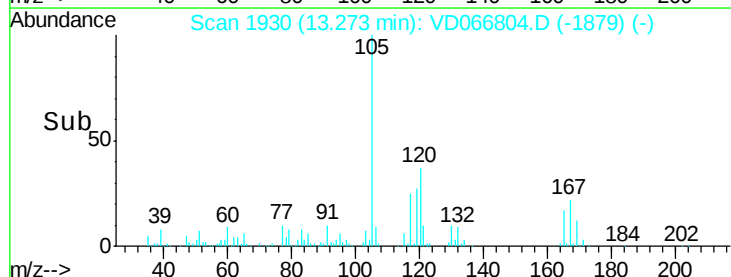
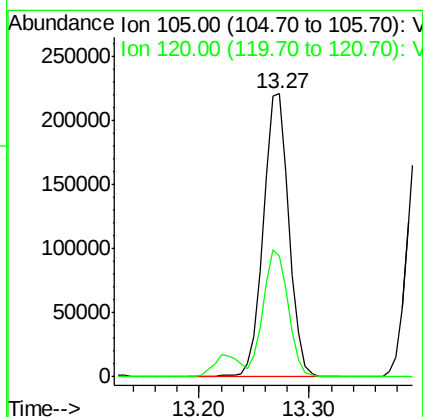
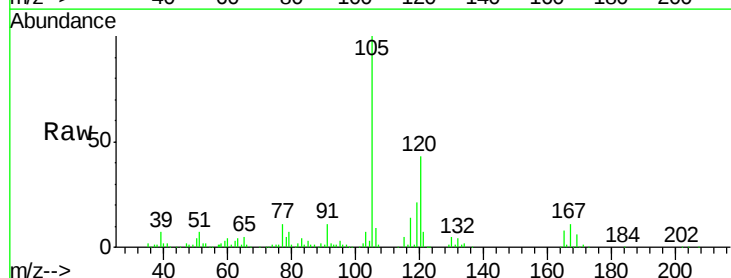
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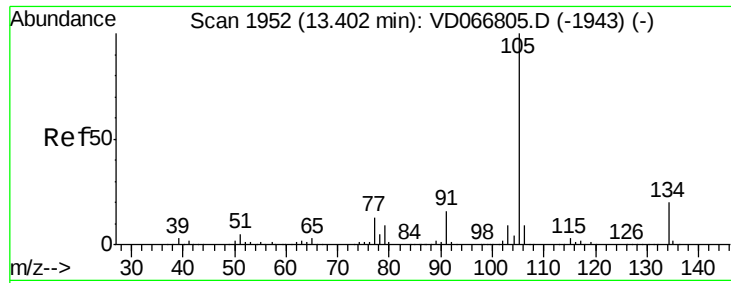
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#84
1,2,4-Trimethylbenzene
Concen: 19.783 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	358676		
120	43.9	22.3	66.9	





#85

sec-Butylbenzene

Concen: 19.623 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 420542

Ion Ratio Lower Upper

105 100

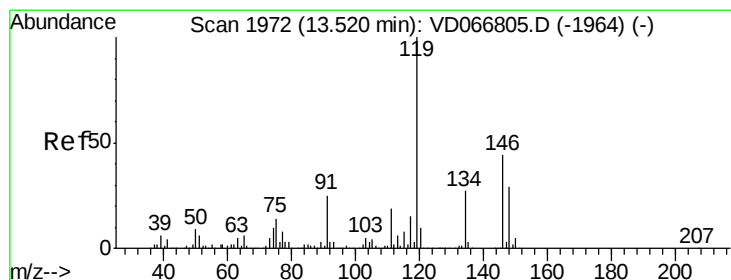
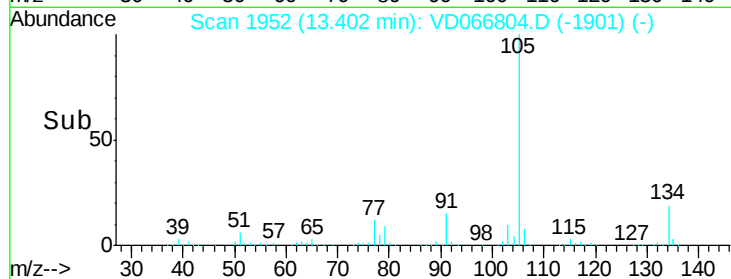
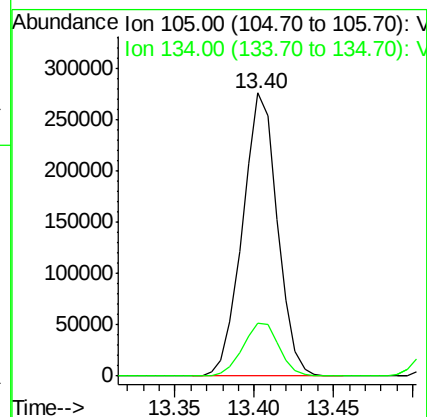
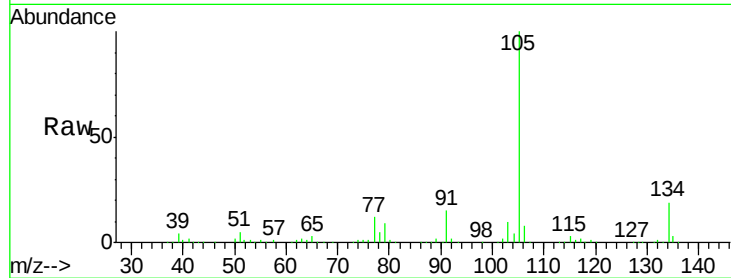
134 19.6 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.544 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

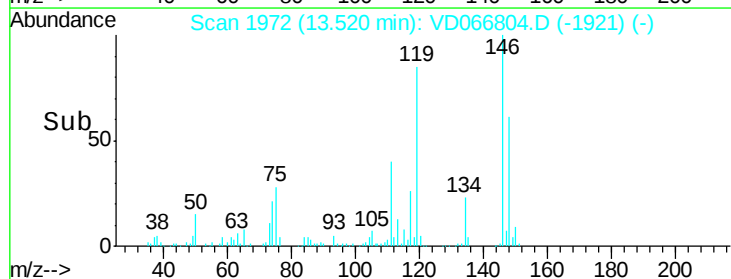
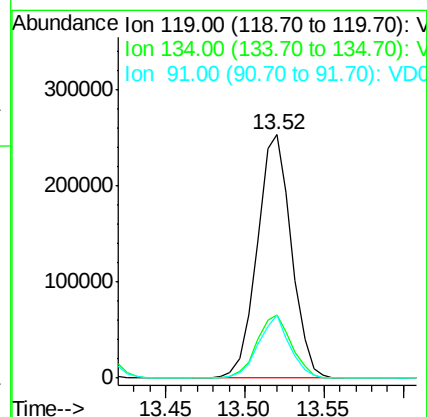
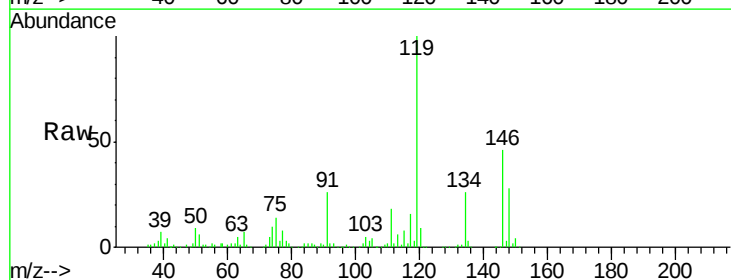
Tgt Ion:119 Resp: 380535

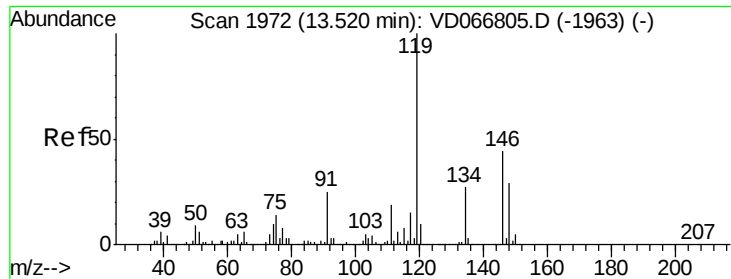
Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

91 23.7 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 19.992 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

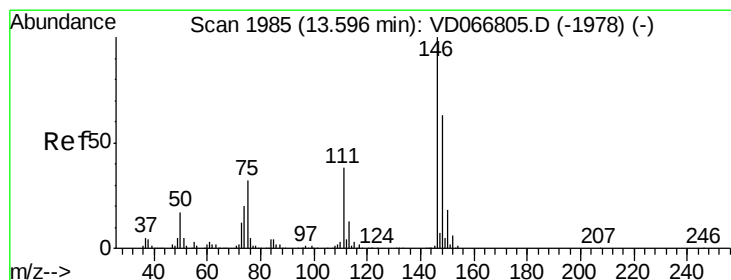
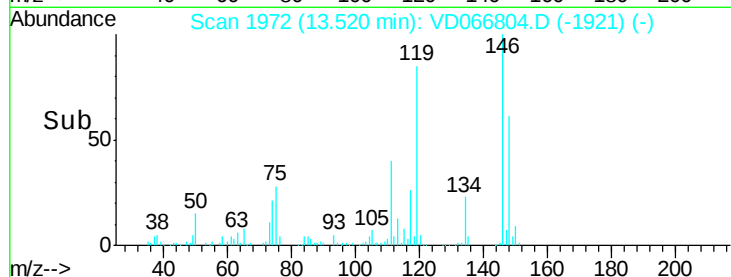
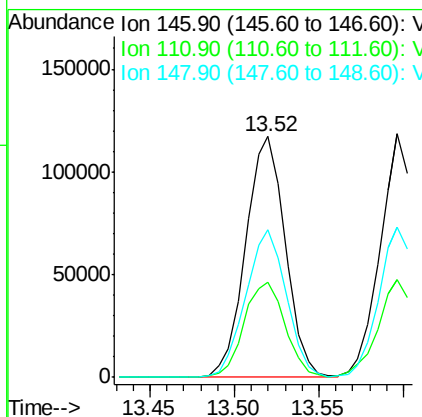
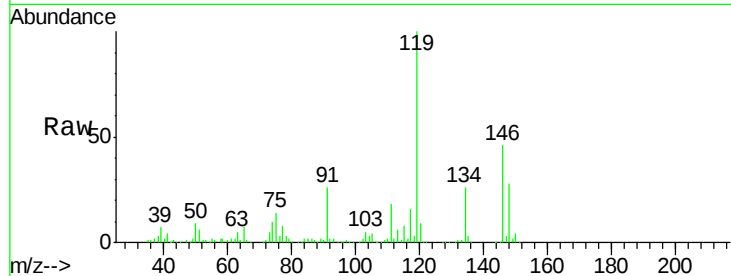
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	190855
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.3	60.9
148	62.5	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.302 ug/l

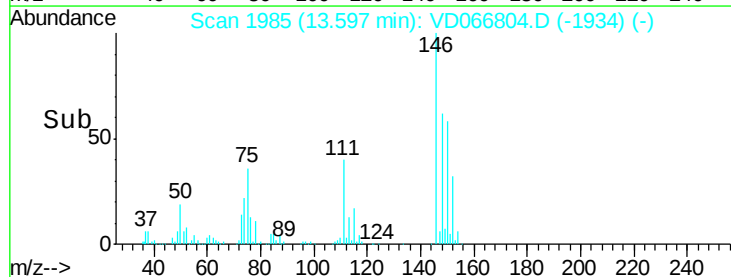
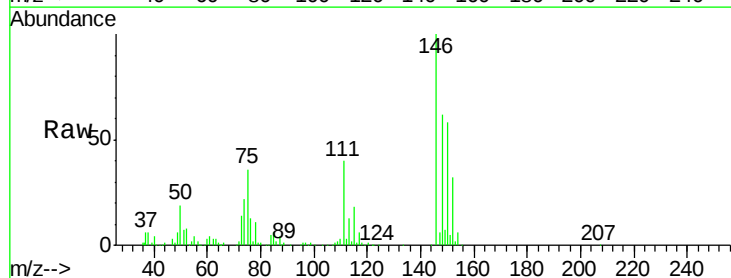
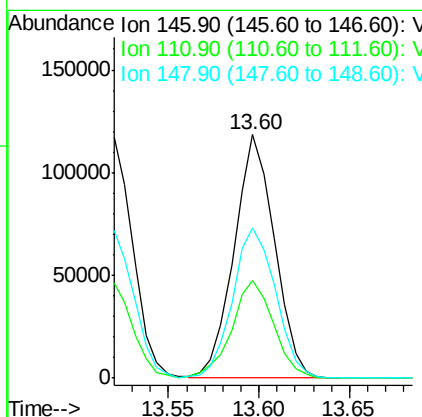
RT: 13.60 min Scan# 1985

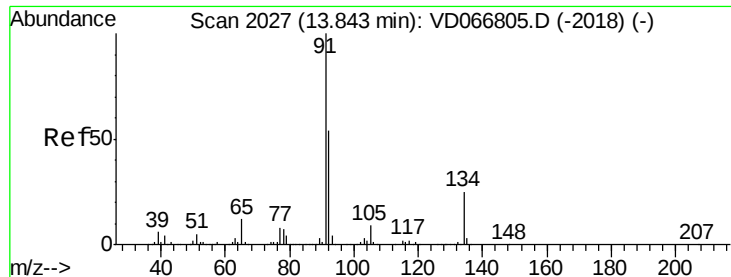
Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Tgt Ion:	146	Resp:	183660
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.2	60.5
148	65.8	31.6	94.7





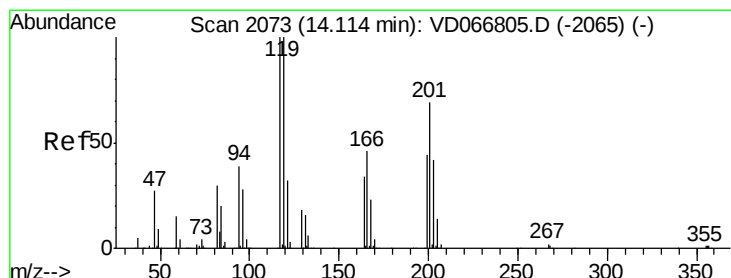
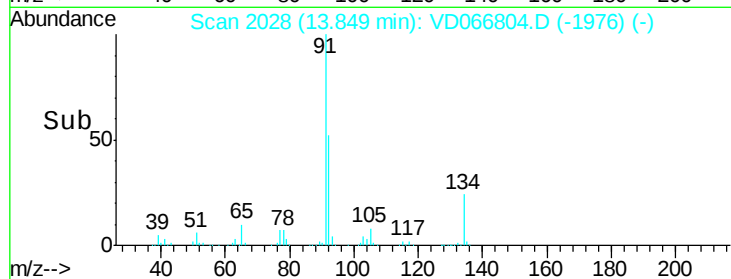
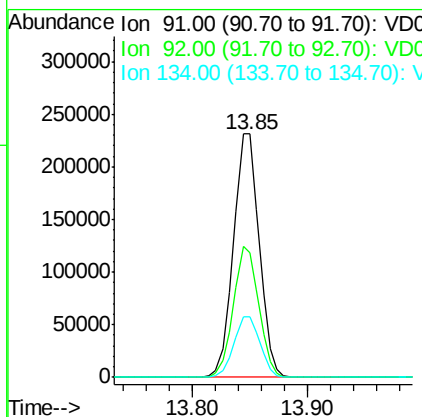
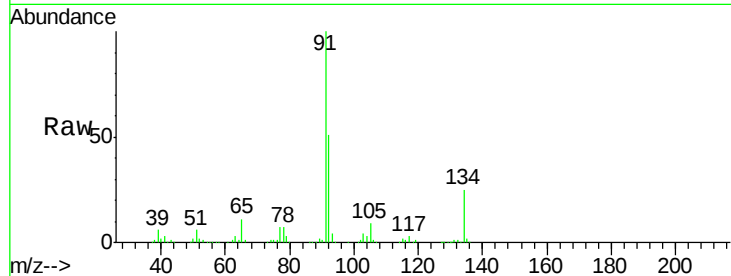
#89
n-Butylbenzene
Concen: 19.370 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.0	26.7	80.0	
134	25.1	13.1	39.1	

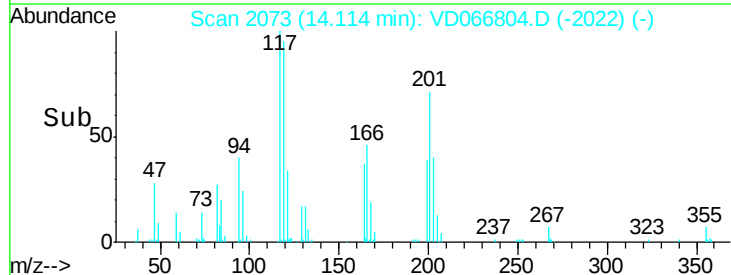
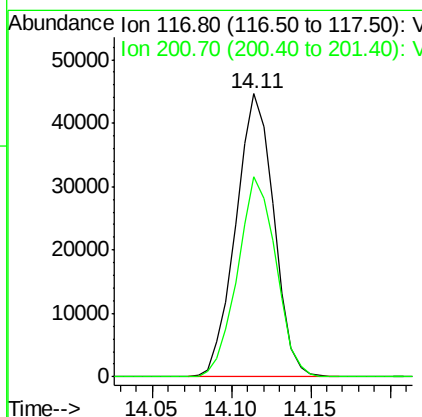
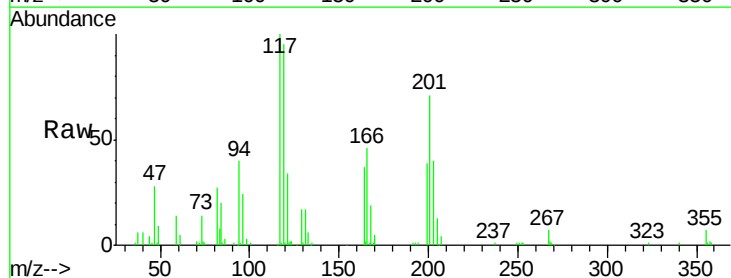
Manual Integrations
APPROVED

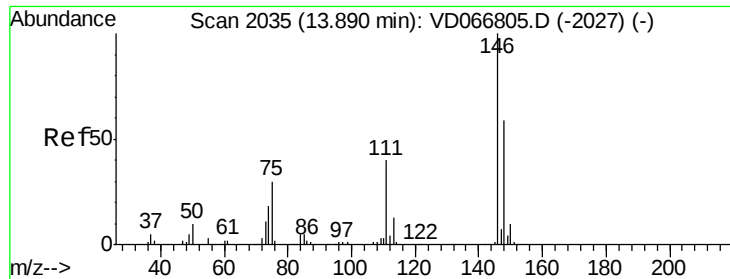
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#90
Hexachloroethane
Concen: 18.692 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.3	33.7	101.0	





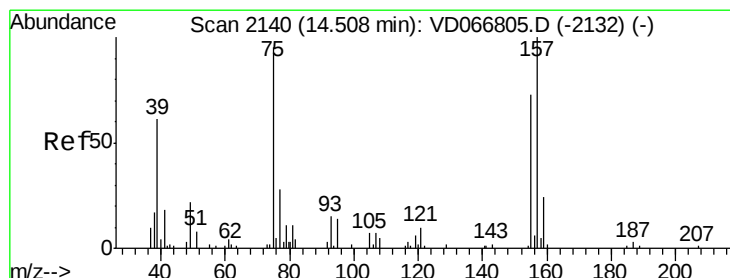
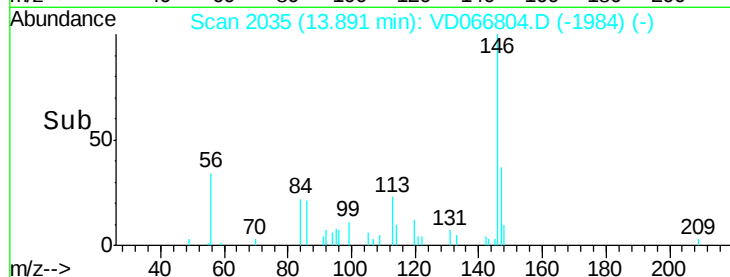
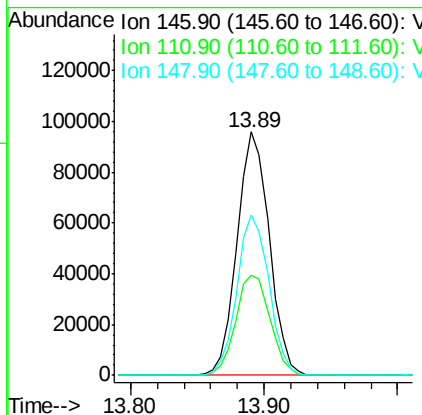
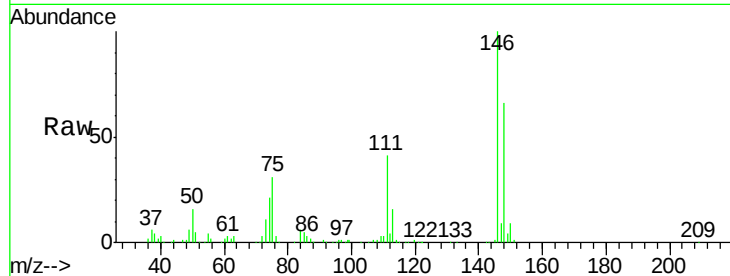
#91
 1,2-Dichlorobenzene
 Concen: 19.615 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	160567		
111	43.8	20.9	62.7	
148	65.3	31.8	95.3	

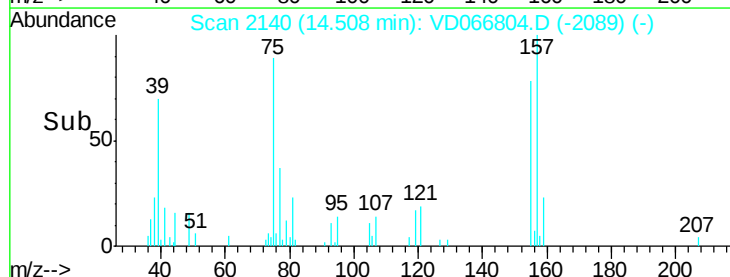
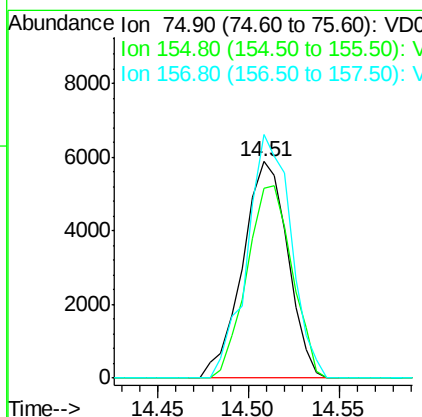
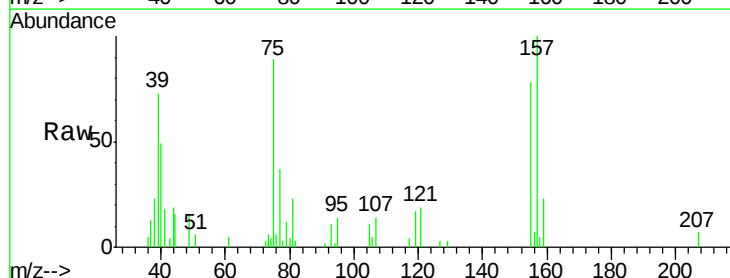
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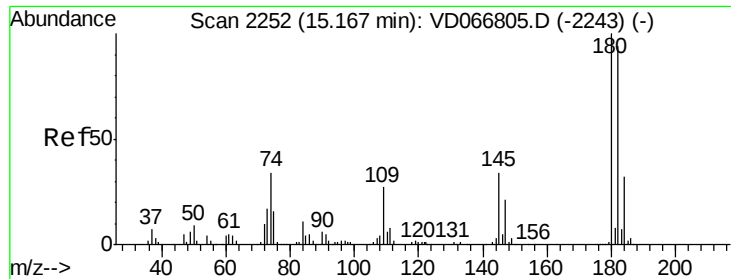
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.327 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10227		
155	88.6	40.4	121.2	
157	108.6	51.3	153.9	





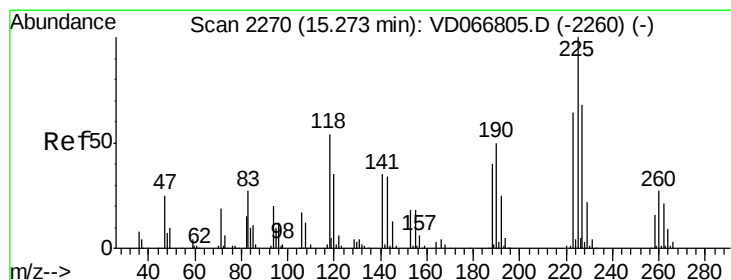
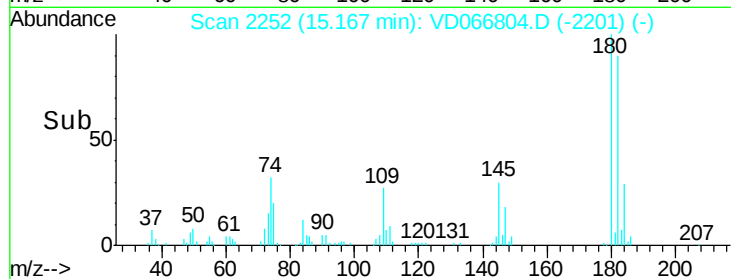
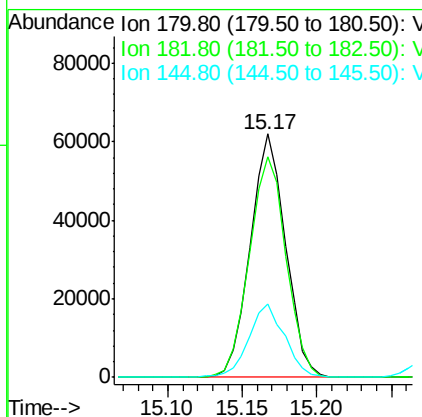
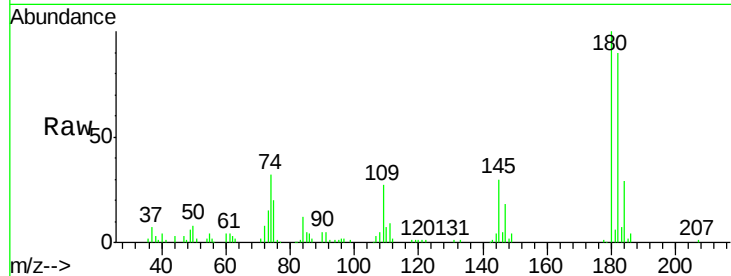
#93
 1,2,4-Trichlorobenzene
 Concen: 20.413 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101141		
182	94.3	48.8	146.3	
145	30.6	16.7	50.0	

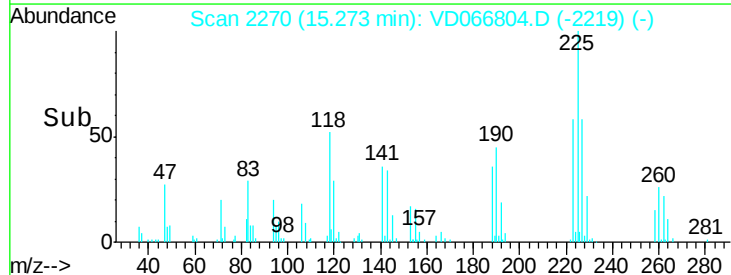
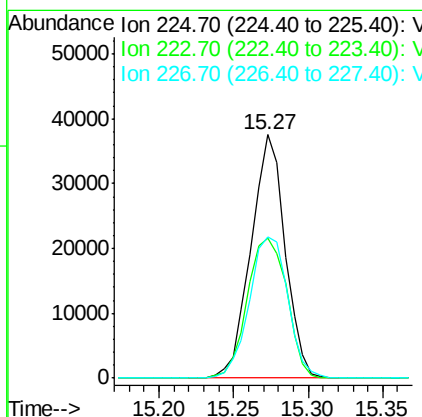
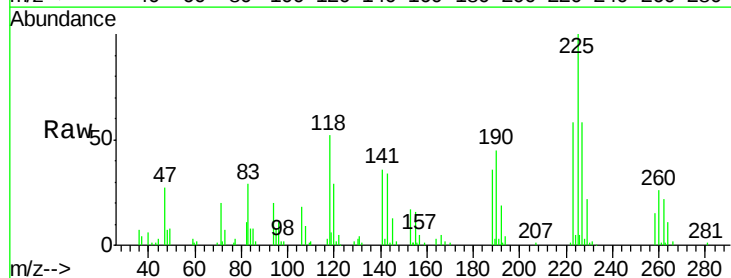
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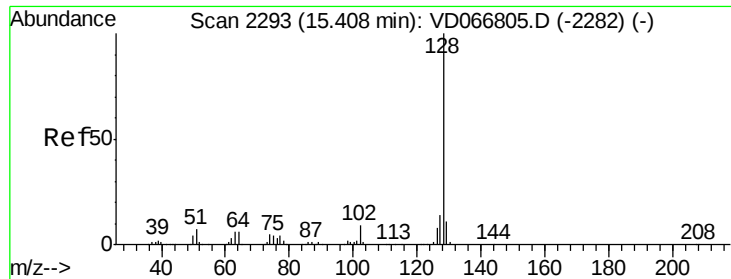
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#94
 Hexachlorobutadiene
 Concen: 19.814 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59233		
223	66.3	31.1	93.3	
227	65.4	31.7	95.1	





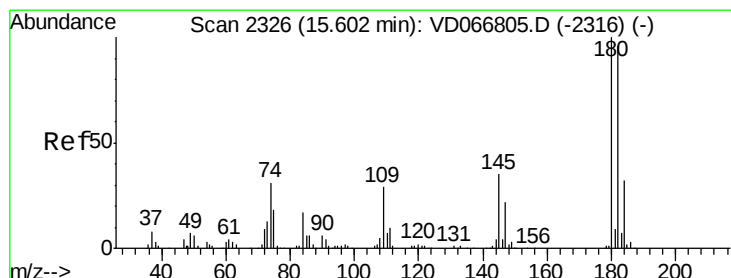
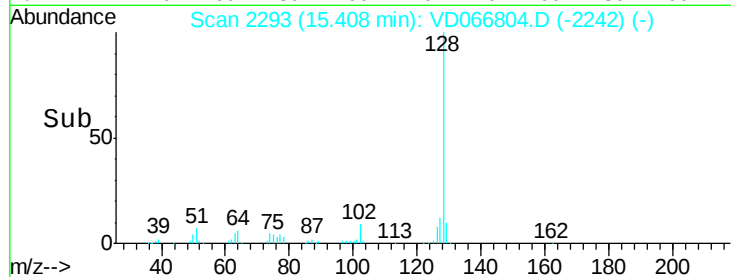
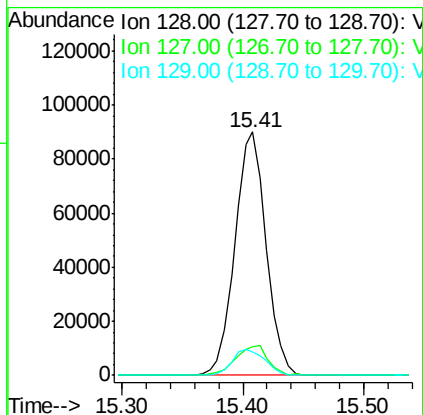
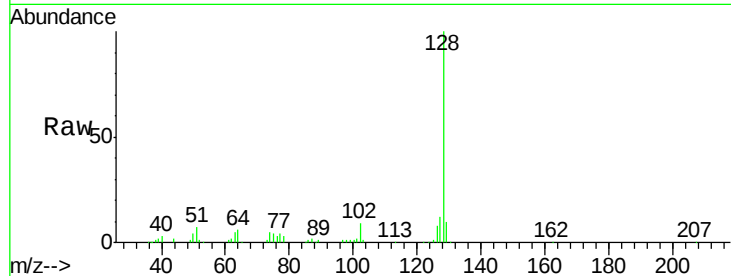
#95
Naphthalene
Concen: 18.466 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	161300		
127	12.9	10.6	16.0	
129	11.3	8.9	13.3	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.056 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	87509		
182	91.3	46.8	140.3	
145	33.8	17.0	51.0	

