

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066132.D
 Acq On : 06 Aug 2020 14:07
 Operator : VA/SY
 Sample : VD0806SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:48:30 PM

Quant Time: Aug 07 01:45:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	325594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	470288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	437987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	143259	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.91	113	145723	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	10.34	98	568021	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.63	95	203014	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63687	22.201	ug/l	100
3) Chloromethane	2.20	50	43798	19.628	ug/l	95
4) Vinyl Chloride	2.34	62	40115	20.306	ug/l	95
5) Bromomethane	2.74	94	25124	19.168	ug/l	98
6) Chloroethane	2.90	64	23693	19.538	ug/l	93
7) Trichlorofluoromethane	3.26	101	101577	19.722	ug/l	98
8) Diethyl Ether	3.70	74	29017	19.967	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	62379	20.408	ug/l	97
10) Methyl Iodide	4.30	142	51005	22.580	ug/l	98
11) Tert butyl alcohol	5.24	59	36886m	155.732	ug/l	
12) 1,1-Dichloroethene	4.06	96	58236	20.196	ug/l	97
13) Acrolein	3.91	56	22799	98.605	ug/l	99
14) Allyl chloride	4.70	41	87672	20.069	ug/l	99
15) Acrylonitrile	5.41	53	62286	101.708	ug/l	98
16) Acetone	4.16	43	61637	111.831	ug/l	99
17) Carbon Disulfide	4.40	76	182594	19.916	ug/l	100
18) Methyl Acetate	4.72	43	28969	20.693	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	129690	19.623	ug/l	96
20) Methylene Chloride	4.96	84	77306	21.791	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	65613	19.808	ug/l	95
22) Diisopropyl ether	6.36	45	176858	20.473	ug/l	98
23) Vinyl Acetate	6.30	43	521015	102.950	ug/l	100
24) 1,1-Dichloroethane	6.26	63	104954	19.632	ug/l	96
25) 2-Butanone	7.21	43	80468	99.263	ug/l	99
26) 2,2-Dichloropropane	7.20	77	98213	20.497	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	69174	19.910	ug/l	98
28) Bromochloromethane	7.54	49	41076	21.876	ug/l	99
29) Tetrahydrofuran	7.56	42	52791	105.108	ug/l	99
30) Chloroform	7.70	83	108250	19.283	ug/l	95
31) Cyclohexane	7.98	56	102657	20.172	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	101588	19.301	ug/l	99
36) 1,1-Dichloropropene	8.11	75	89039	20.148	ug/l	98
37) Ethyl Acetate	7.28	43	35682	20.378	ug/l	98
38) Carbon Tetrachloride	8.09	117	97814	19.848	ug/l	91

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	107247	20.075	ug/l	97
40) Benzene	8.34	78	237065	19.337	ug/l	97
41) Methacrylonitrile	7.51	41	17240	16.746	ug/l #	83
42) 1,2-Dichloroethane	8.42	62	69396	19.269	ug/l	99
43) Isopropyl Acetate	8.44	43	70349	20.391	ug/l	98
44) Trichloroethene	9.11	130	71610	19.384	ug/l	90
45) 1,2-Dichloropropane	9.38	63	58823	19.619	ug/l	95
46) Dibromomethane	9.47	93	32143	19.462	ug/l	99
47) Bromodichloromethane	9.66	83	83465	19.121	ug/l	99
48) Methyl methacrylate	9.45	41	31492	17.877	ug/l	89
49) 1,4-Dioxane	9.45	88	9236	435.283	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	180123	101.644	ug/l	97
52) Toluene	10.40	92	163057	20.213	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	83813	20.233	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	95924	19.764	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	45932	19.314	ug/l	97
56) Ethyl methacrylate	10.66	69	56612	19.816	ug/l	99
57) 1,3-Dichloropropane	10.94	76	79378	20.105	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	138360	107.668	ug/l	100
59) 2-Hexanone	10.98	43	131103	105.415	ug/l	98
60) Dibromochloromethane	11.14	129	63652	19.387	ug/l	97
61) 1,2-Dibromoethane	11.24	107	45946	20.089	ug/l	100
64) Tetrachloroethene	10.87	164	64825	19.274	ug/l	96
65) Chlorobenzene	11.67	112	172699	19.423	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	66032	18.981	ug/l	98
67) Ethyl Benzene	11.74	91	310351	20.142	ug/l	97
68) m/p-Xylenes	11.86	106	237758	39.828	ug/l	96
69) o-Xylene	12.18	106	111776	20.584	ug/l	95
70) Styrene	12.20	104	190027	19.967	ug/l	98
71) Bromoform	12.36	173	39416	19.123	ug/l #	98
73) Isopropylbenzene	12.48	105	306525	19.747	ug/l	100
74) N-amyl acetate	12.29	43	67691	19.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	53056	20.045	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	34594m	17.839	ug/l	
77) Bromobenzene	12.76	156	77813	19.473	ug/l	98
78) n-propylbenzene	12.82	91	357894	19.834	ug/l	100
79) 2-Chlorotoluene	12.91	91	201641	19.539	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	255675	19.695	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	17433	19.872	ug/l	97
82) 4-Chlorotoluene	13.01	91	212185	19.477	ug/l	100
83) tert-Butylbenzene	13.23	119	213199	18.674	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	252142	19.408	ug/l	98
85) sec-Butylbenzene	13.41	105	303702	19.703	ug/l	100
86) p-Isopropyltoluene	13.52	119	288410	19.949	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	146519	19.510	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	145458	19.421	ug/l	98
89) n-Butylbenzene	13.85	91	264330	20.407	ug/l	100
90) Hexachloroethane	14.11	117	56853	19.718	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	129562	19.507	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9737	21.404	ug/l	89

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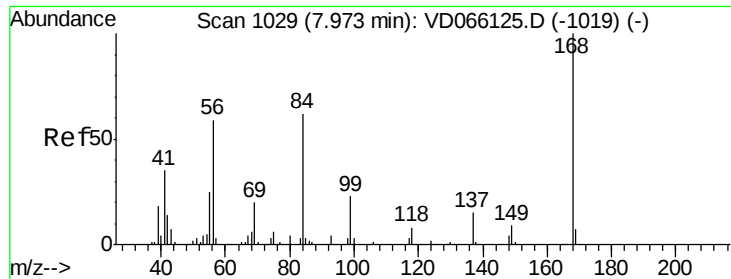
Manual Integrations
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MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	95704	19.553	ug/l	100
94) Hexachlorobutadiene	15.27	225	54455	18.893	ug/l	99
95) Naphthalene	15.41	128	157749	19.780	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	80638	18.663	ug/l	96

(#) = 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. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion:168 Resp: 325594

Ion Ratio Lower Upper

168 100

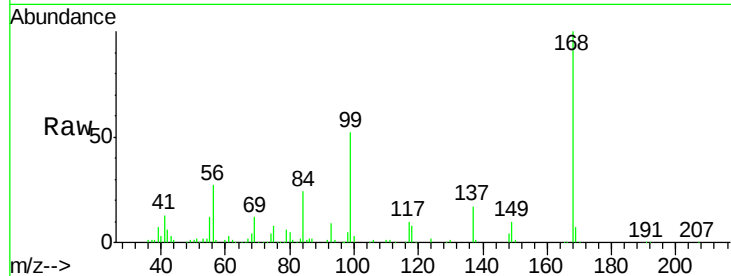
99 52.0 42.2 63.4

Manual Integrations

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8/7/2020 12:48:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

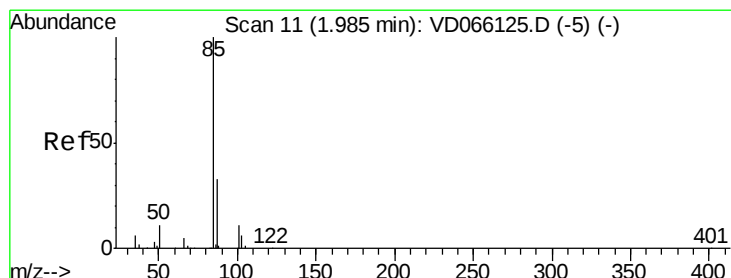
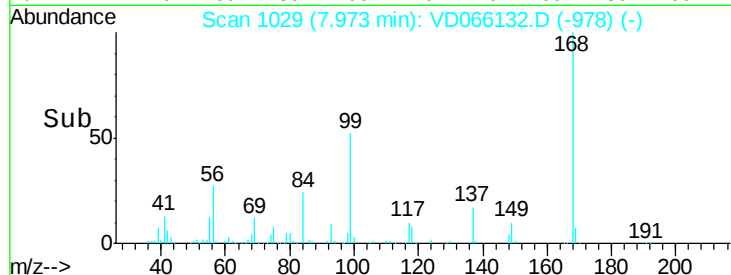
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.201 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066132.D

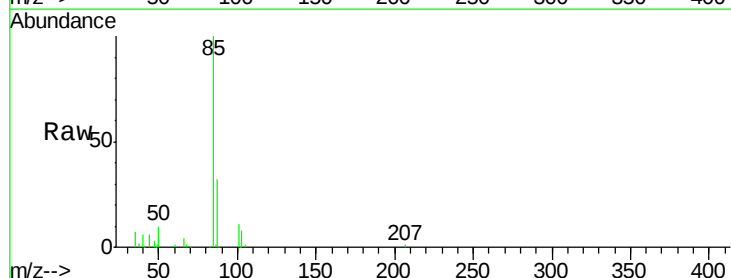
Acq: 06 Aug 2020 14:07

Tgt Ion: 85 Resp: 63687

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

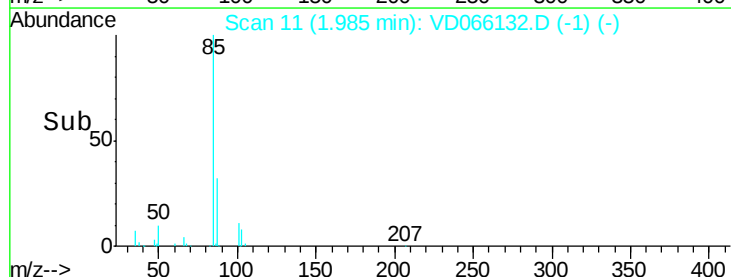
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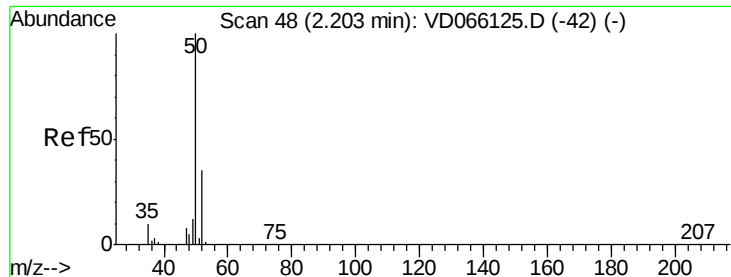
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0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.628 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 50 Resp: 43798

Ion Ratio Lower Upper

50 100

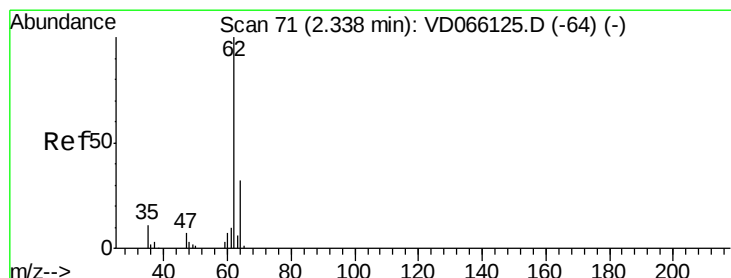
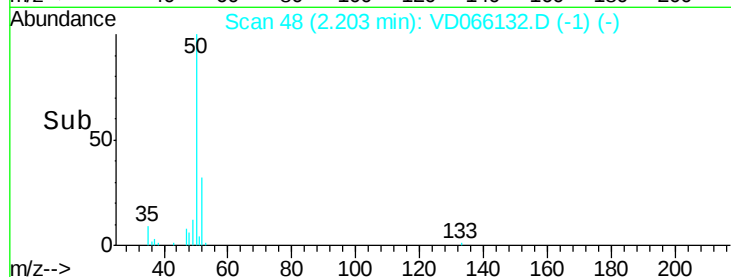
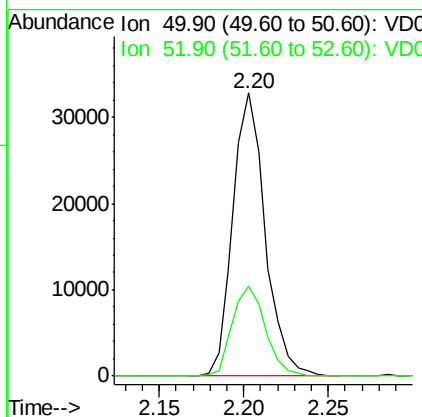
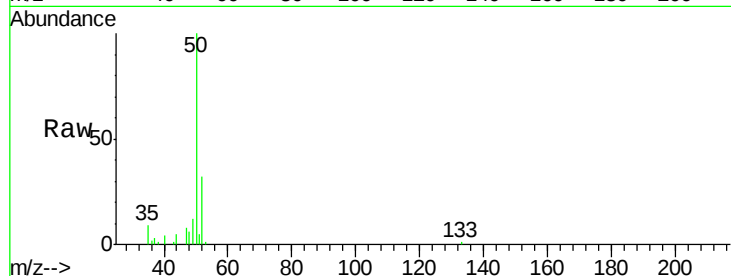
52 32.0 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.306 ug/l

RT: 2.34 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD066132.D

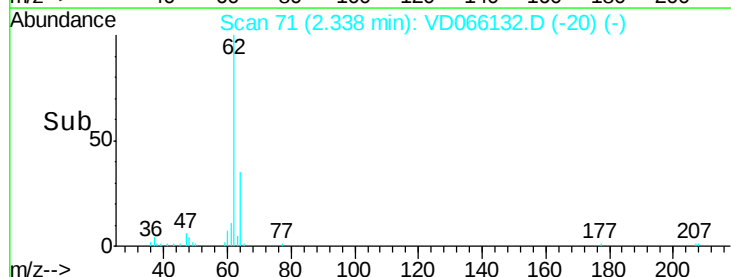
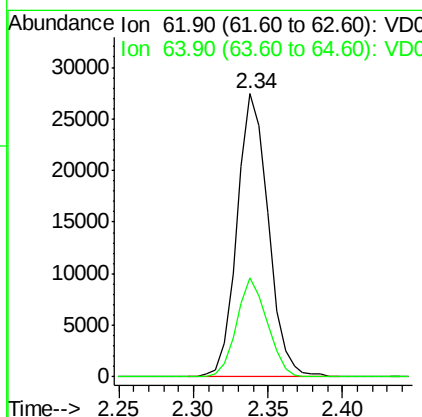
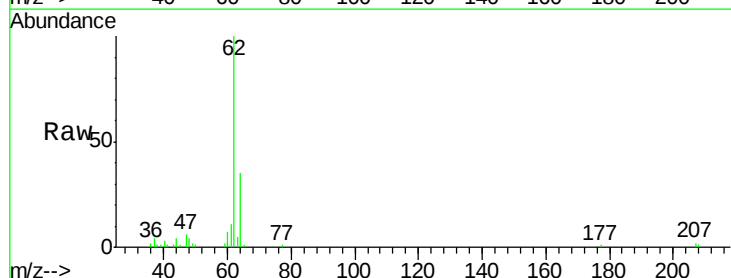
Acq: 06 Aug 2020 14:07

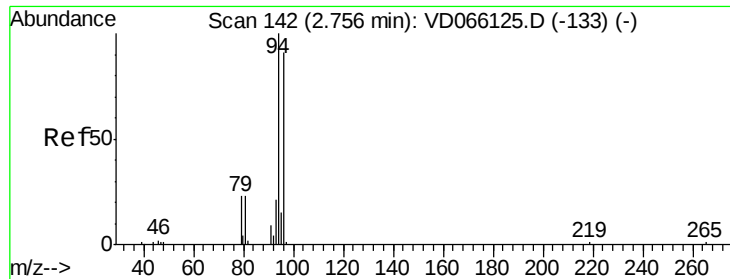
Tgt Ion: 62 Resp: 40115

Ion Ratio Lower Upper

62 100

64 35.0 25.8 38.8





#5

Bromomethane

Concen: 19.168 ug/l

RT: 2.74 min Scan# 139

Delta R.T. -0.02 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 94 Resp: 25124

Ion Ratio Lower Upper

94 100

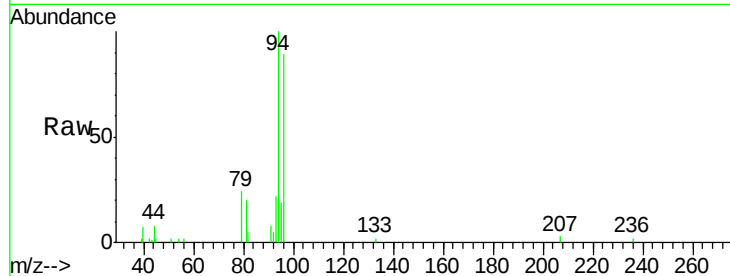
96 89.4 72.6 109.0

Manual Integrations

APPROVED

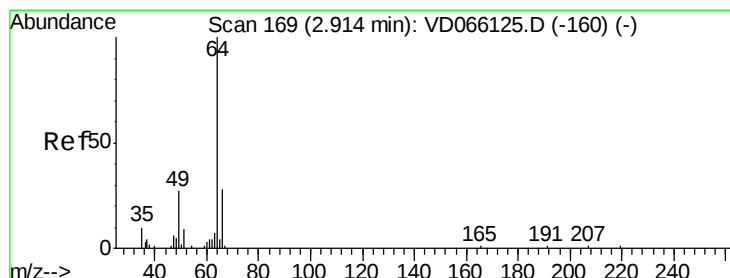
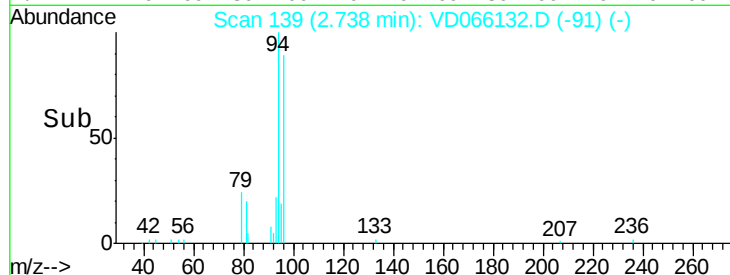
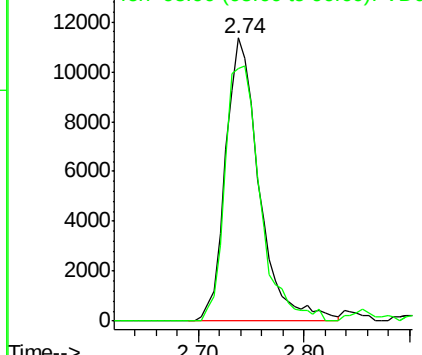
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.538 ug/l

RT: 2.90 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD066132.D

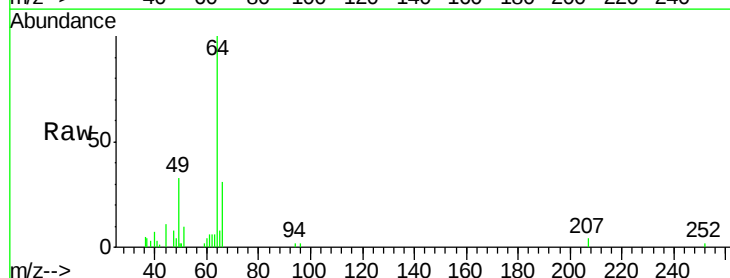
Acq: 06 Aug 2020 14:07

Tgt Ion: 64 Resp: 23693

Ion Ratio Lower Upper

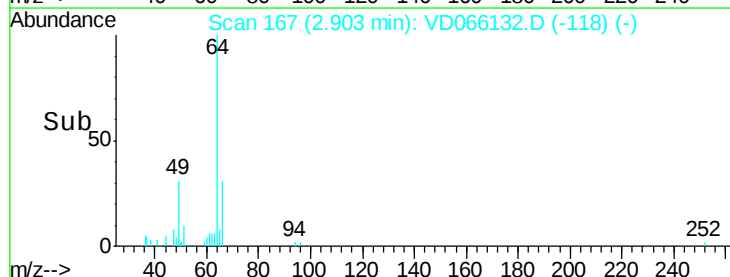
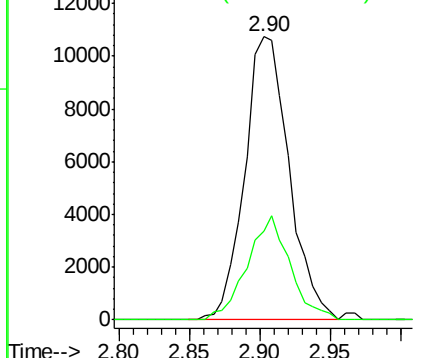
64 100

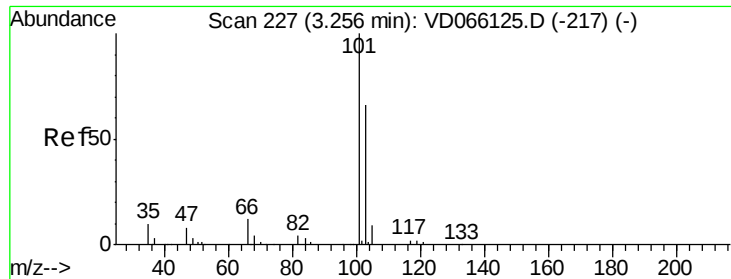
66 31.2 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

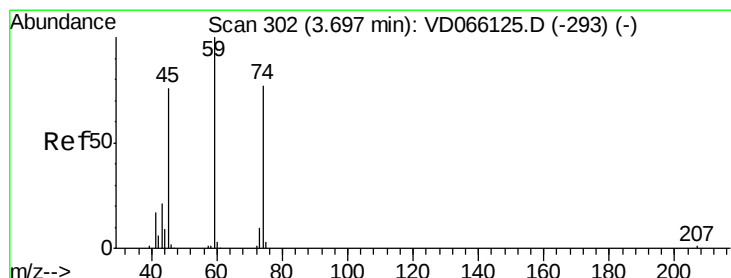
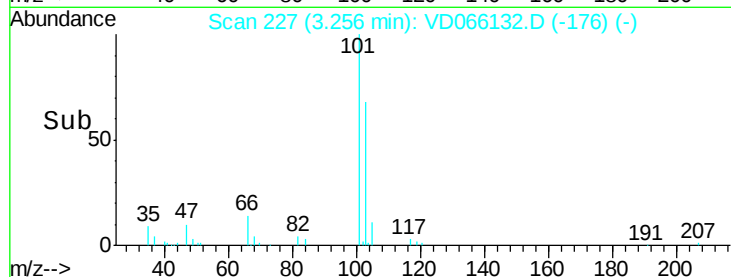
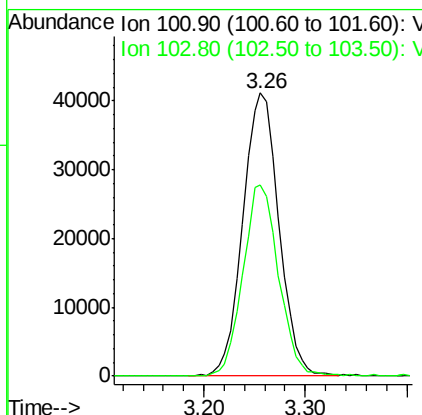
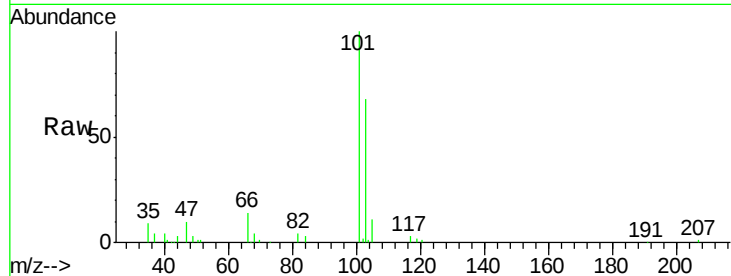
Trichlorofluoromethane
 Concen: 19.722 ug/l
 RT: 3.26 min Scan# 227
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.7	53.0	79.6

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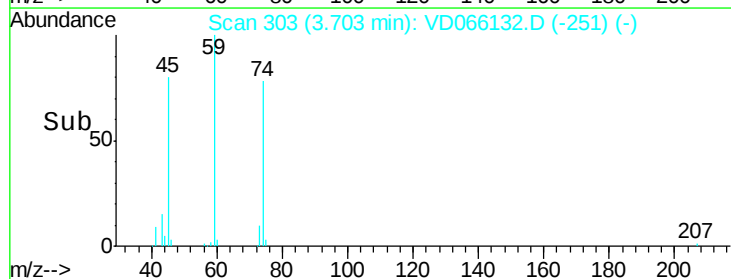
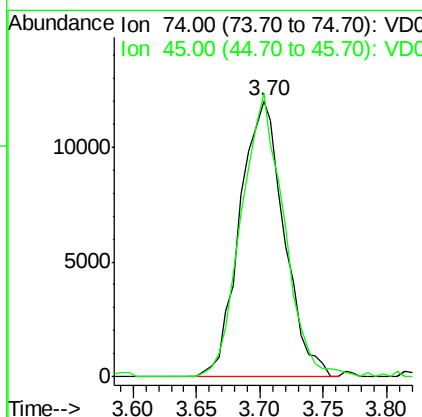
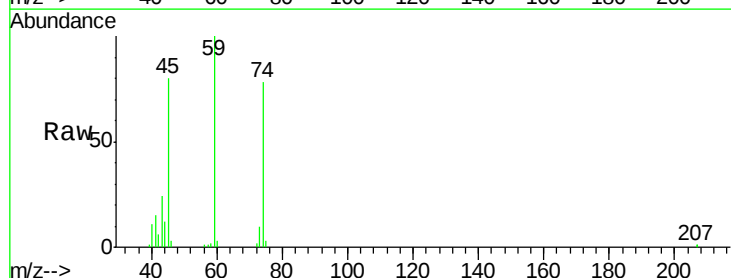
MMDadoda
 8/7/2020 12:48:30 PM

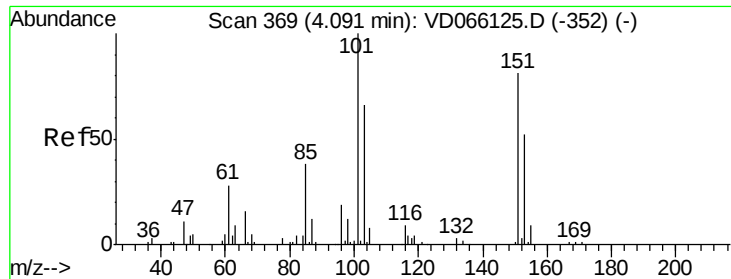


#8

Diethyl Ether
 Concen: 19.967 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.408 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

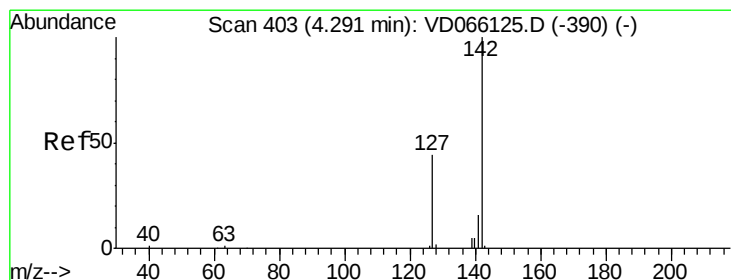
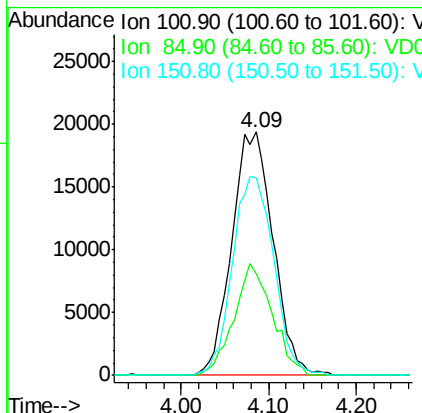
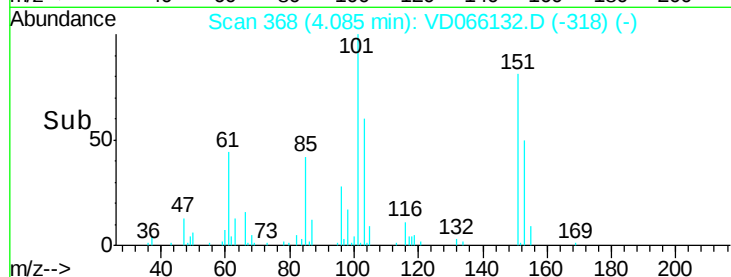
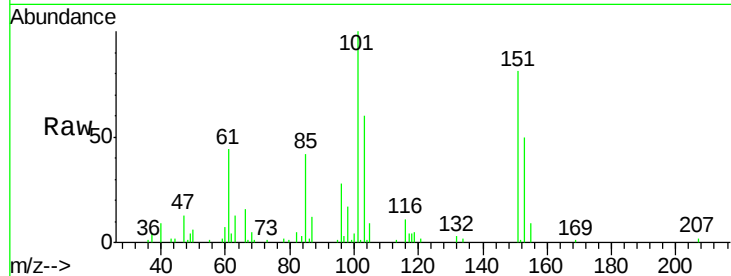
ClientSampleId :

VD0806SBS01

Tot Ion:	101	Resp:	62379
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.5	50.3
151	81.6	67.8	101.8

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#10

Methyl Iodide

Concen: 22.580 ug/l

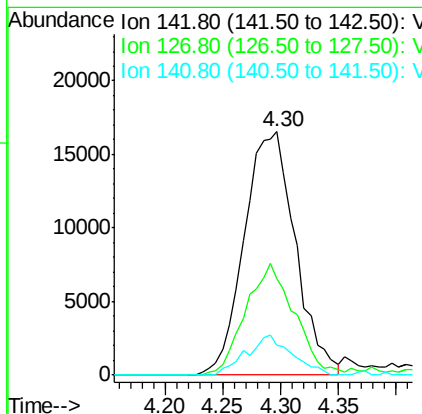
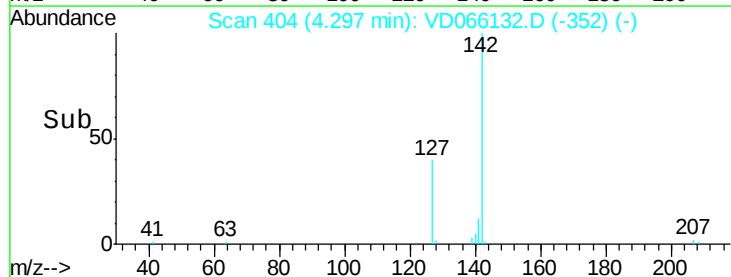
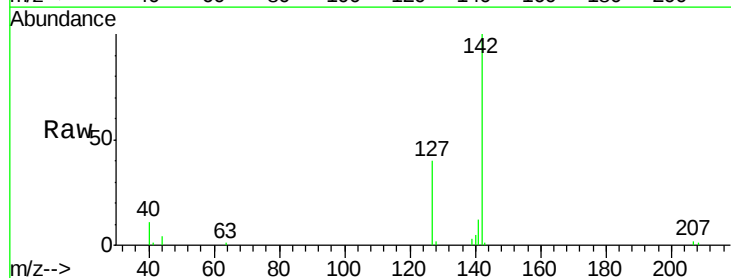
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Tgt Ion:	142	Resp:	51005
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.2	54.4
141	14.5	12.6	18.8





#11

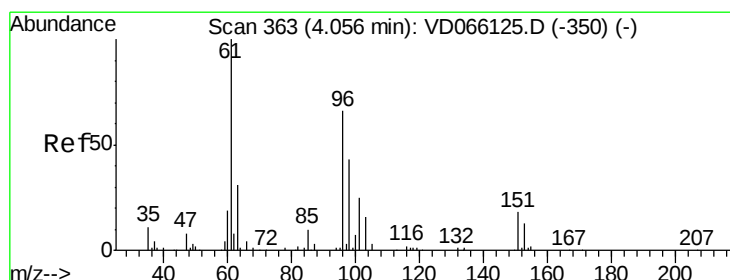
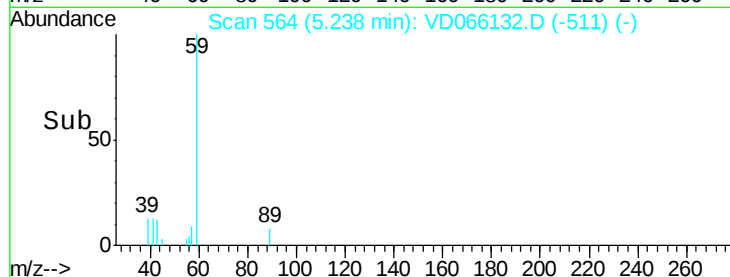
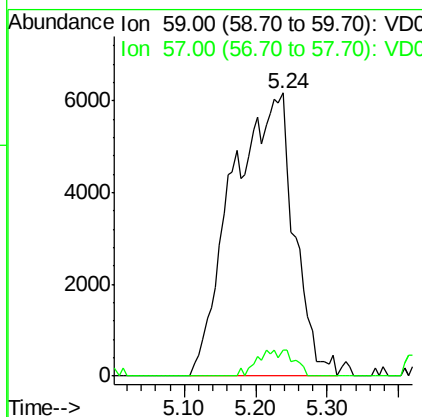
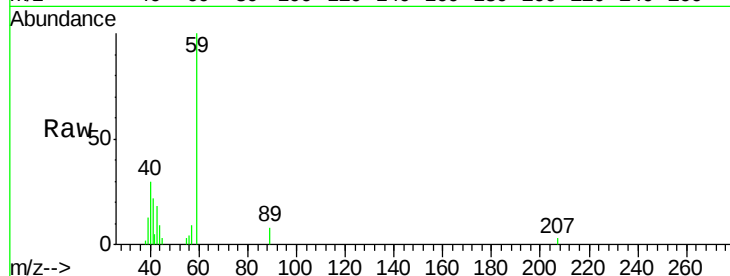
Tert butyl alcohol
 Concen: 155.732 ug/l m
 RT: 5.24 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	36886		
57	0.0	7.0	10.4#	

Manual Integrations
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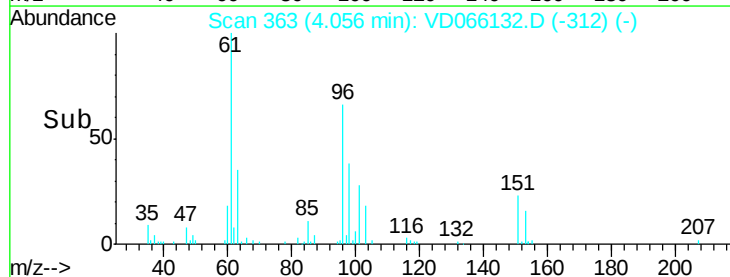
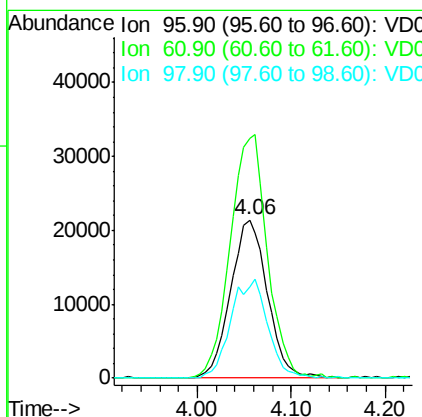
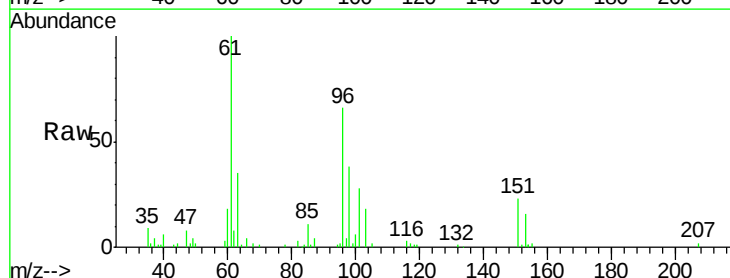
MMDadoda
 8/7/2020 12:48:30 PM

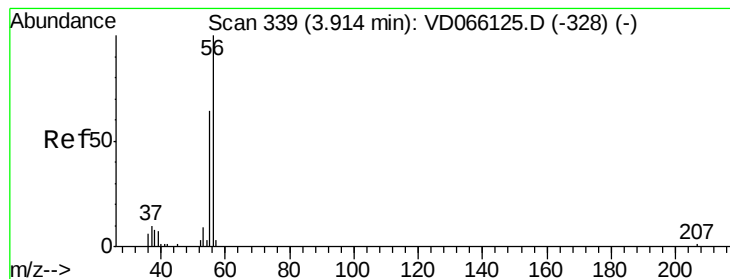


#12

1,1-Dichloroethene
 Concen: 20.196 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	58236		
61	151.3	121.6	182.4	
98	57.6	52.0	78.0	





#13

Acrolein

Concen: 98.605 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 56 Resp: 22799

Ion Ratio Lower Upper

56 100

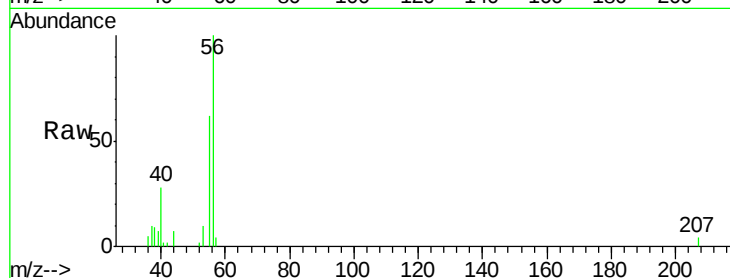
55 72.1 56.7 85.1

Manual Integrations

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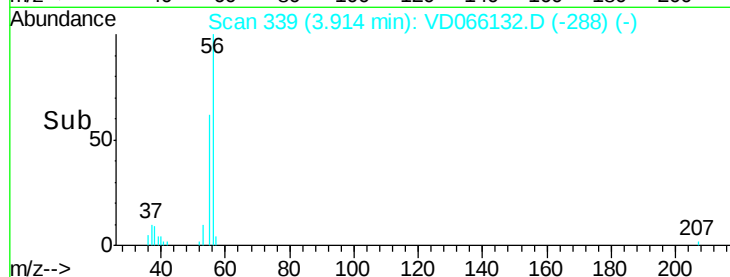


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

Time-->



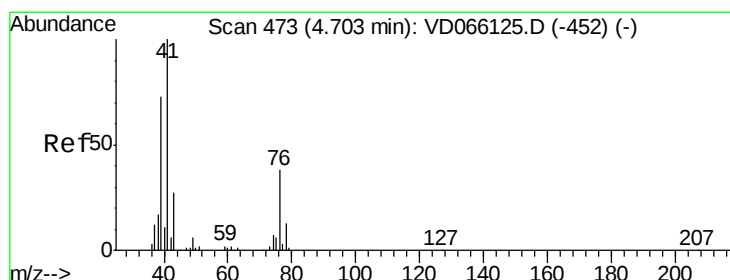
Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

Time-->



#14

Allyl chloride

Concen: 20.069 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

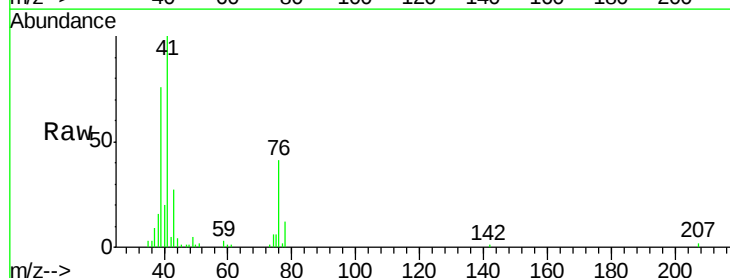
Tgt Ion: 41 Resp: 87672

Ion Ratio Lower Upper

41 100

39 70.9 57.4 86.0

76 38.1 30.1 45.1



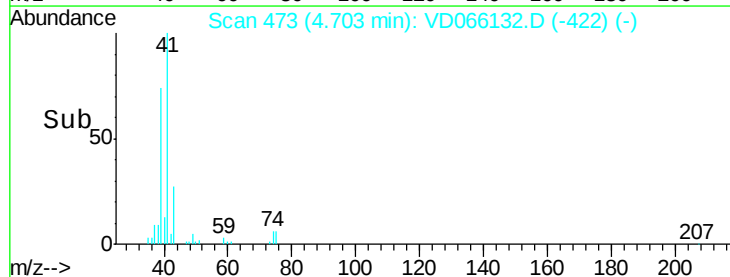
Abundance Ion 41.00 (40.70 to 41.70): VDC

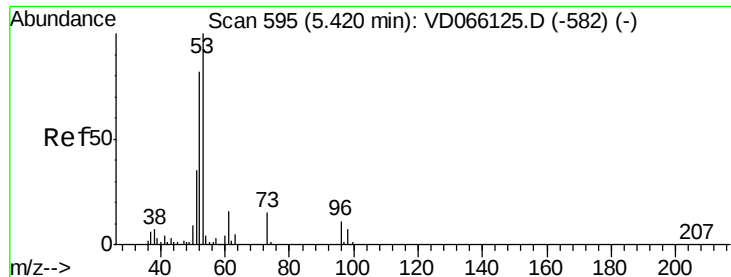
Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.70

Time-->





#15

Acrylonitrile

Concen: 101.708 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

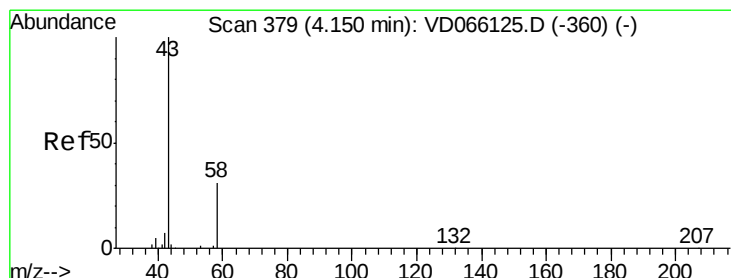
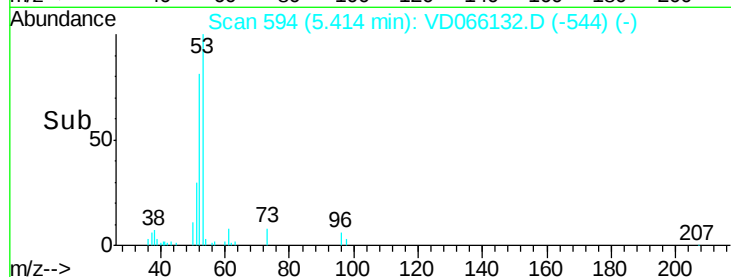
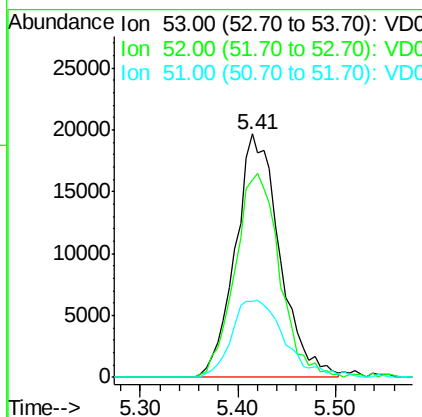
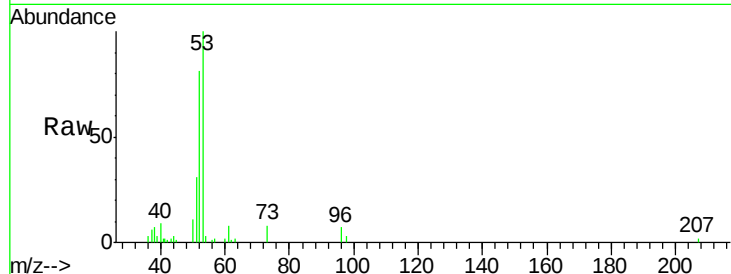
ClientSampleId :

VD0806SBS01

Tot Ion:	53	Resp:	62286
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.1	99.1
51	37.8	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 111.831 ug/l

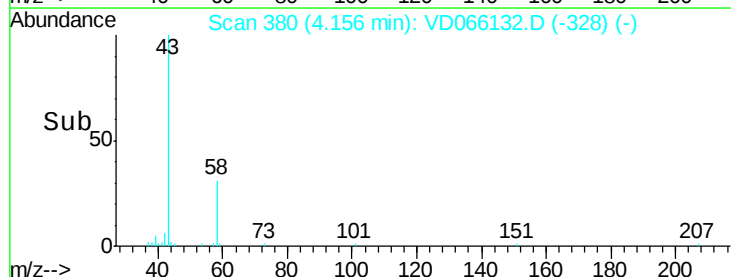
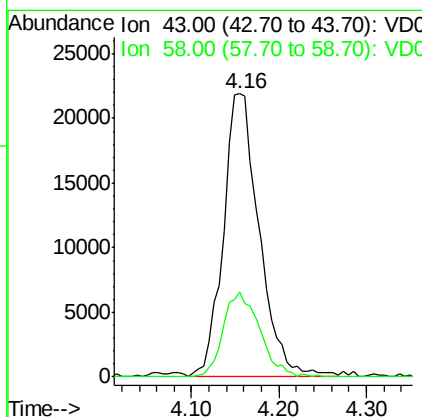
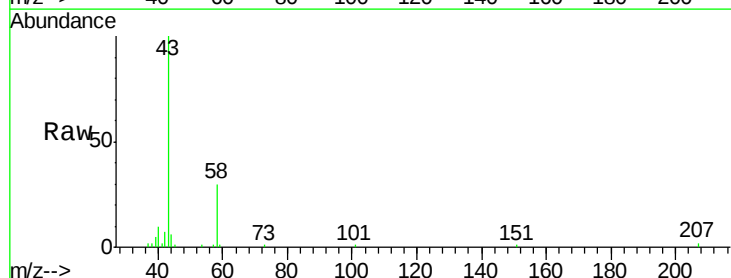
RT: 4.16 min Scan# 380

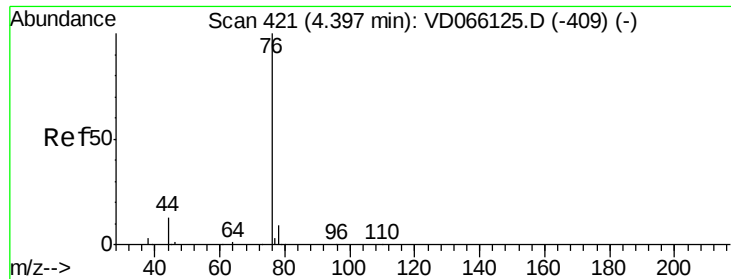
Delta R.T. 0.01 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Tgt Ion:	43	Resp:	61637
Ion Ratio	Lower	Upper	
43	100		
58	30.2	24.7	37.1





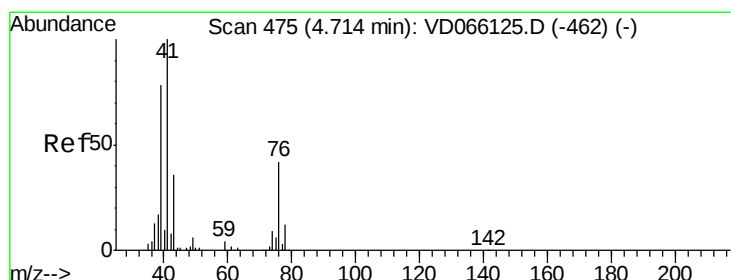
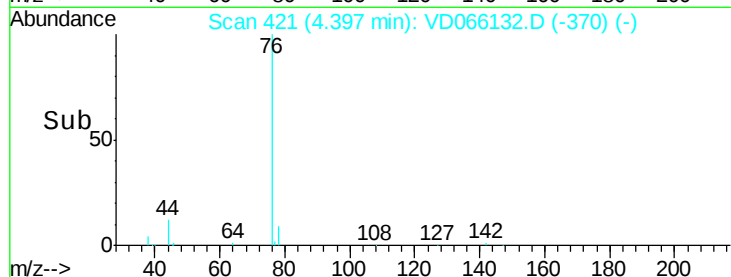
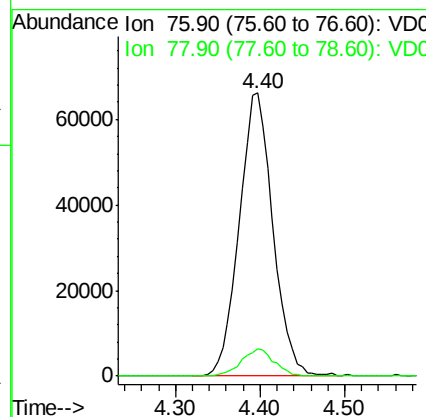
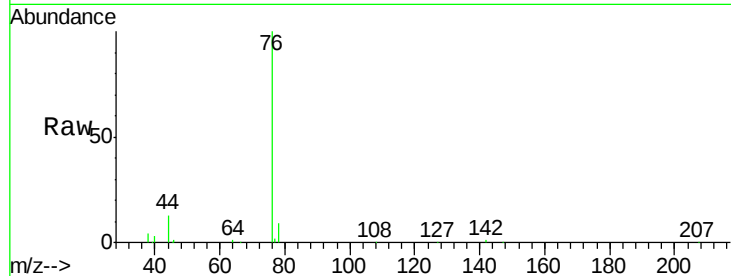
#17
Carbon Disulfide
Concen: 19.916 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.5	11.3

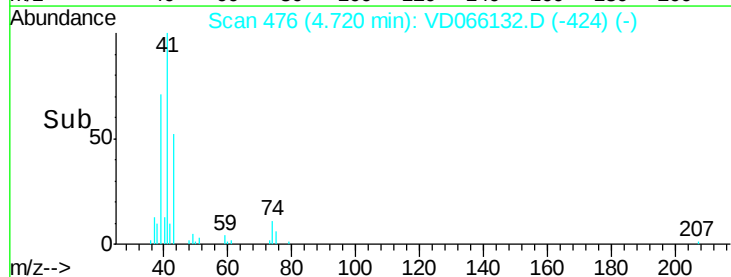
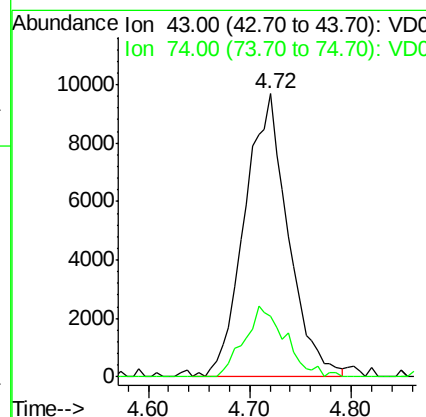
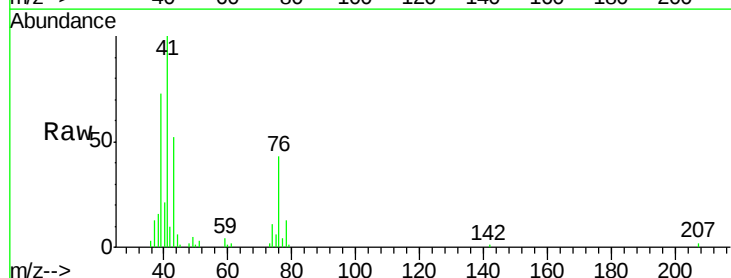
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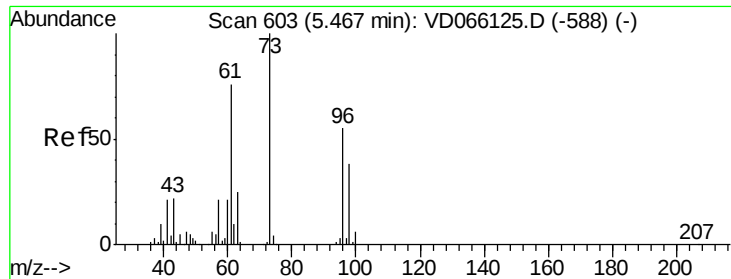
MMDadoda
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#18
Methyl Acetate
Concen: 20.693 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	21.2	31.8





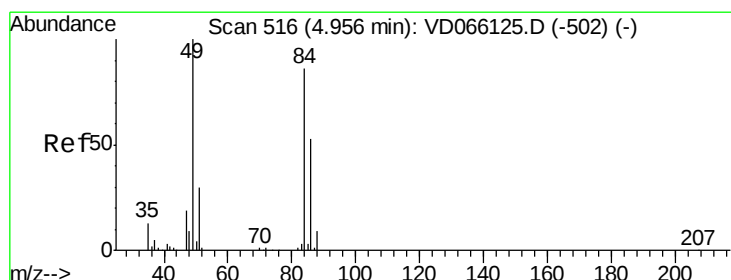
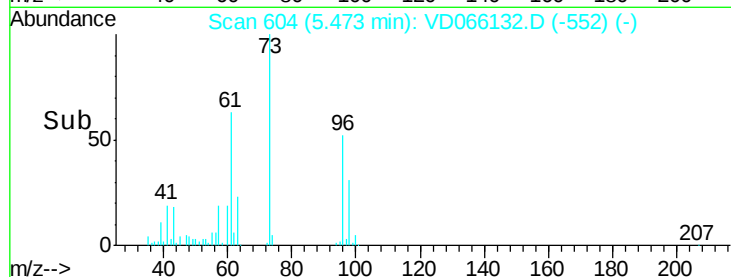
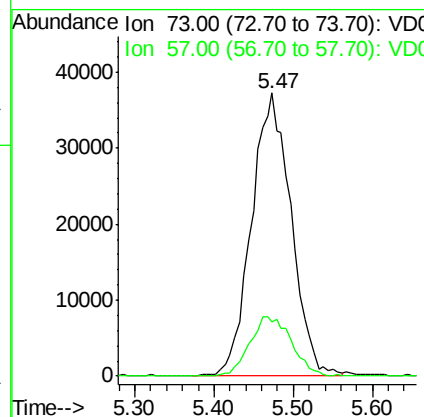
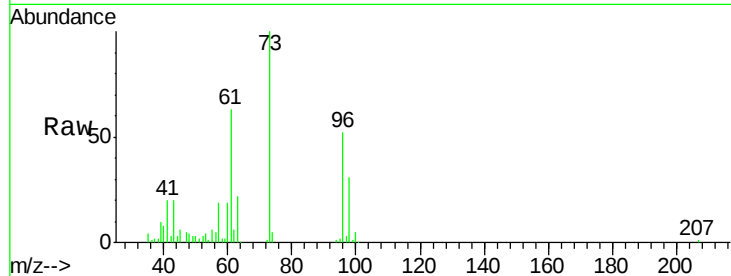
#19
Methvl tert-butvl Ether
Concen: 19.623 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion: 73 Resp: 129690
Ion Ratio Lower Upper
73 100
57 19.3 17.1 25.7

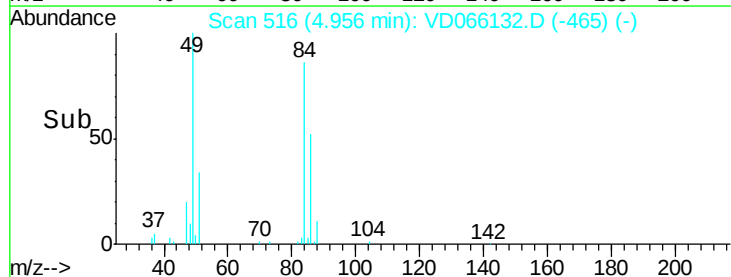
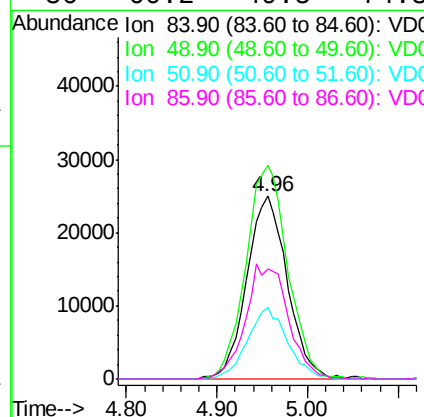
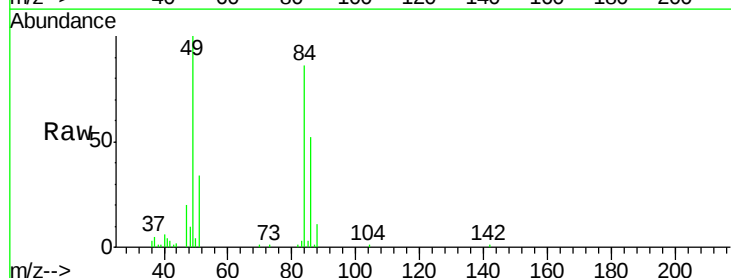
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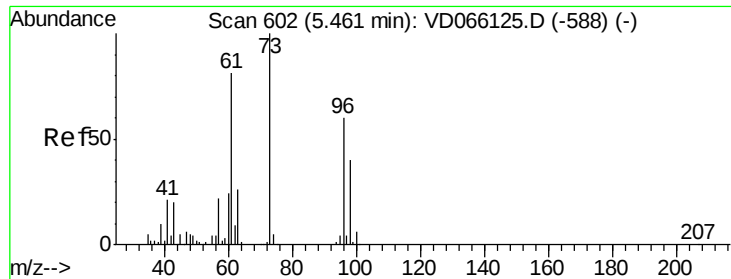
MMDadoda
8/7/2020 12:48:30 PM



#20
Methylene Chloride
Concen: 21.791 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion: 84 Resp: 77306
Ion Ratio Lower Upper
84 100
49 116.8 93.5 140.3
51 39.5 28.2 42.4
86 60.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.808 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

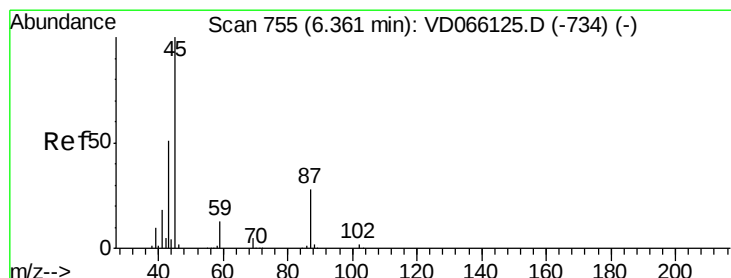
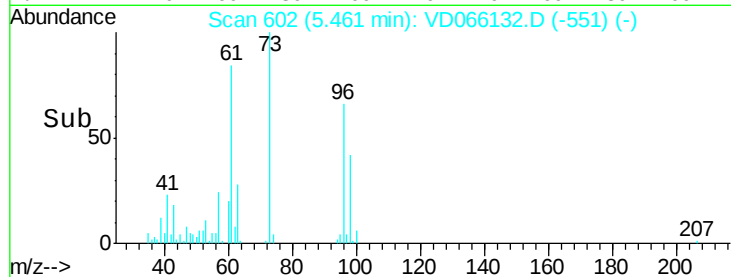
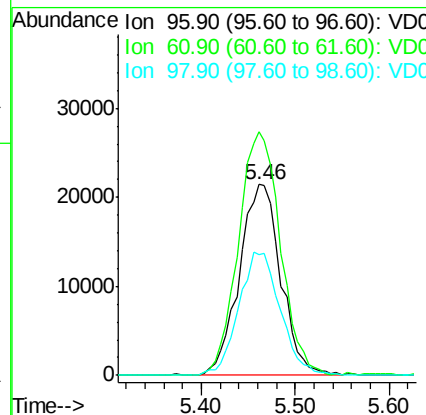
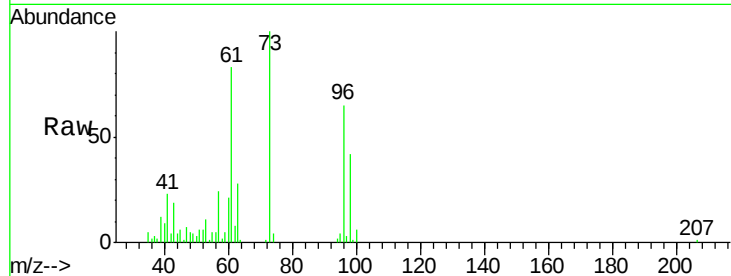
ClientSampleId :

VD0806SBS01

Tot Ion:	96	Resp:	65613
Ion	Ratio	Lower	Upper
96	100		
61	127.7	106.9	160.3
98	63.6	53.4	80.0

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#22

Diisopropyl ether

Concen: 20.473 ug/l

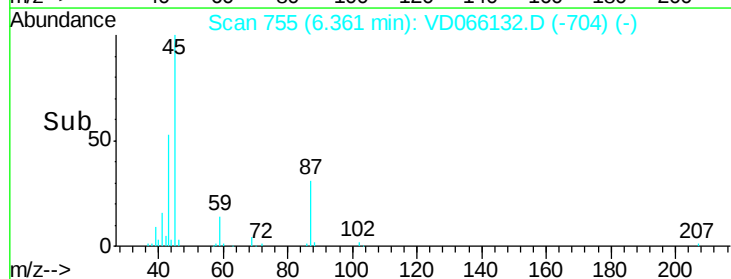
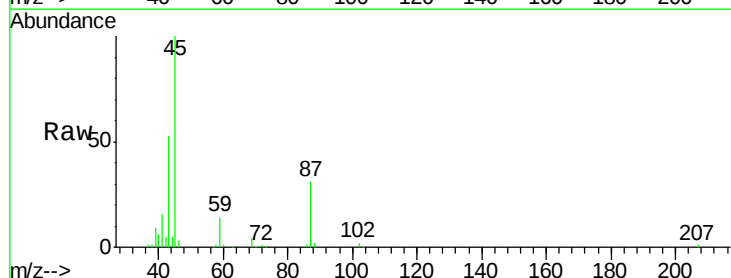
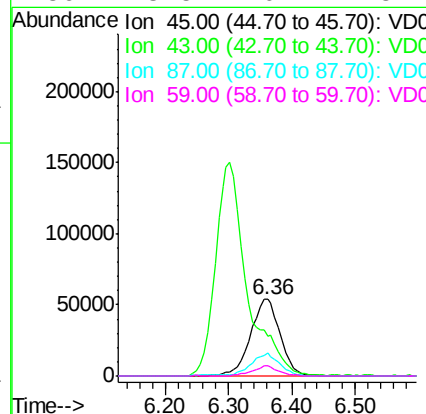
RT: 6.36 min Scan# 755

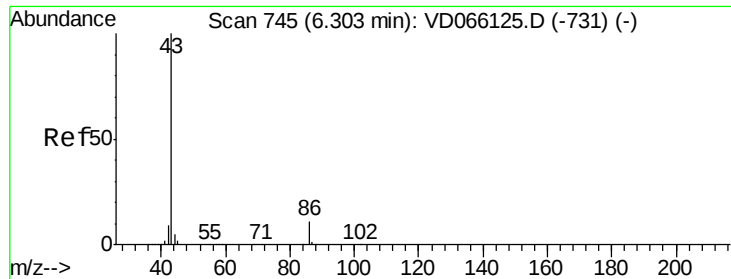
Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Tgt Ion:	45	Resp:	176858
Ion	Ratio	Lower	Upper
45	100		
43	51.8	41.2	61.8
87	30.9	22.8	34.2
59	13.5	10.2	15.2





#23

Vinyl Acetate

Concen: 102.950 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 43 Resp: 521015

Ion Ratio Lower Upper

43 100

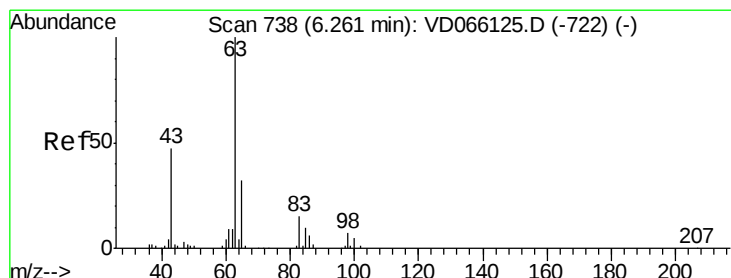
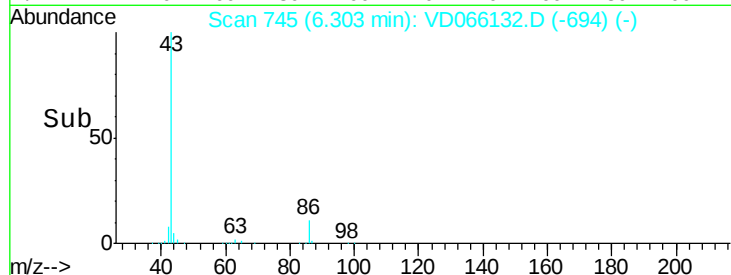
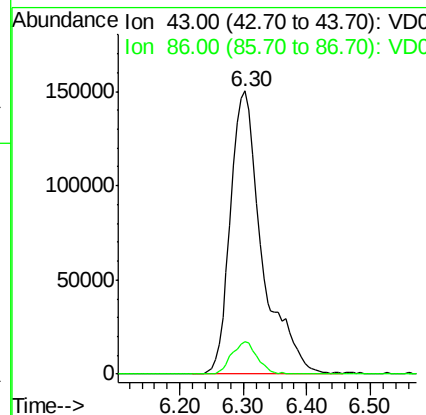
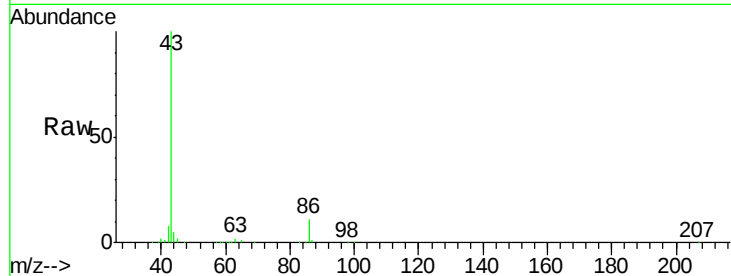
86 11.4 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.632 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

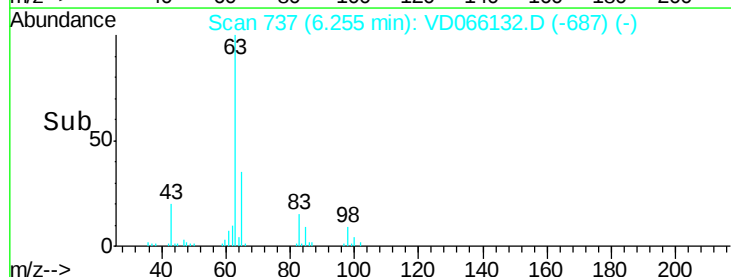
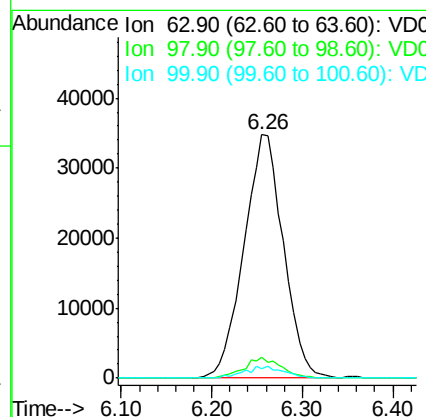
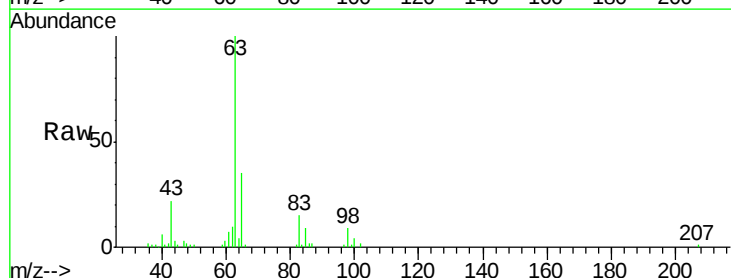
Tgt Ion: 63 Resp: 104954

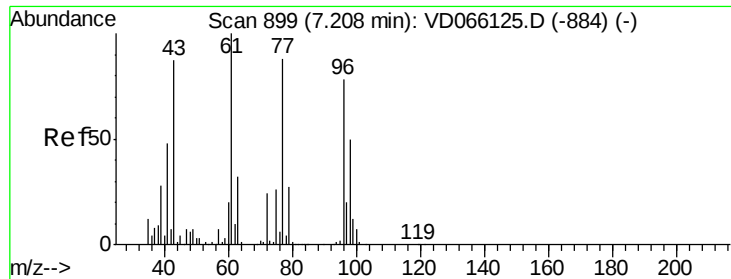
Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.5

100 4.0 2.4 7.2





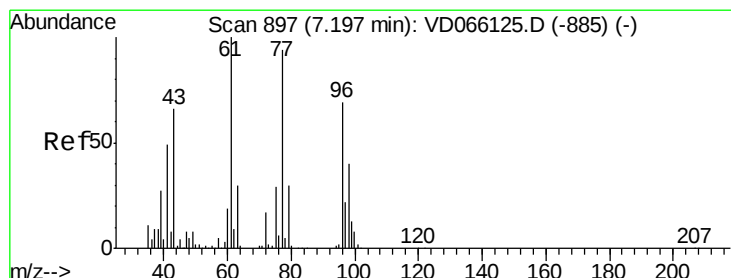
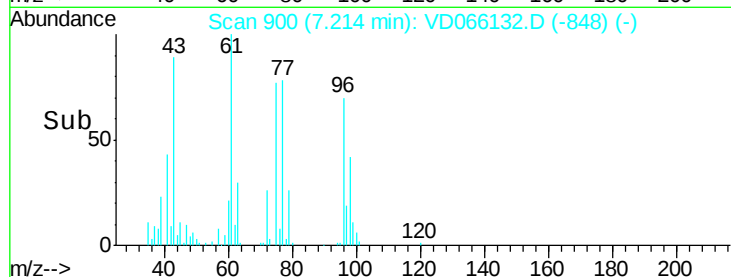
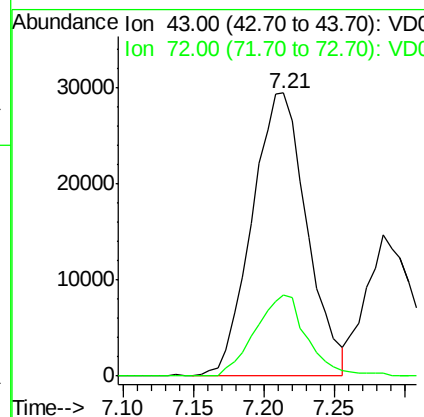
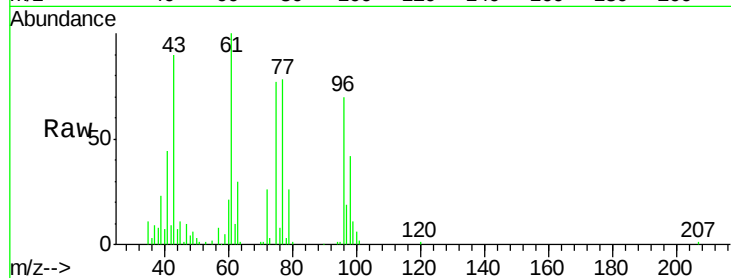
#25
2-Butanone
Concen: 99.263 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion: 43 Resp: 80468
Ion Ratio Lower Upper
43 100
72 28.5 22.2 33.2

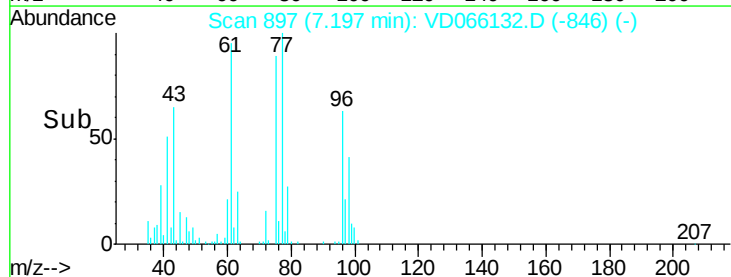
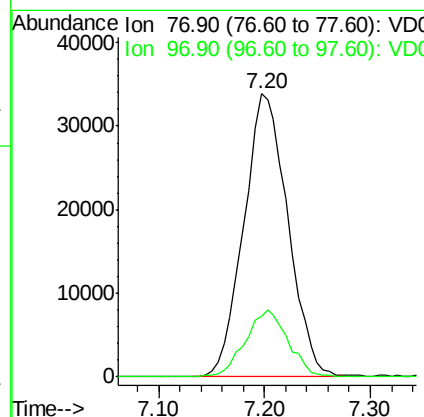
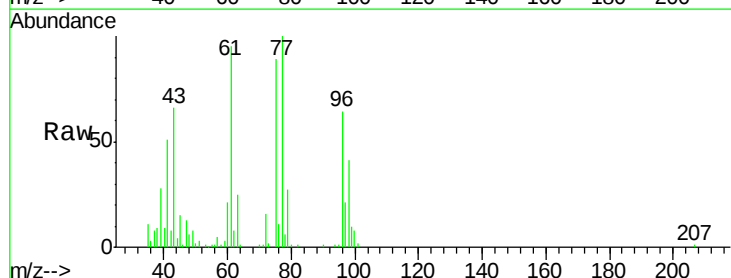
Manual Integrations
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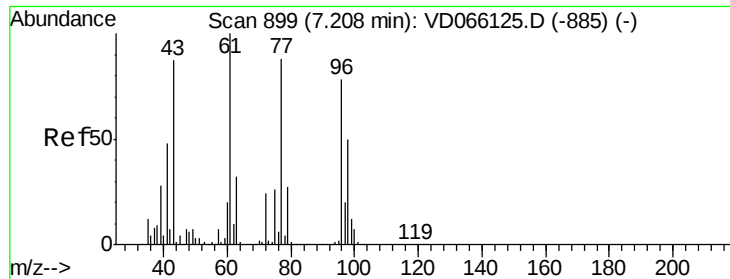
MMDadoda
8/7/2020 12:48:30 PM



#26
2,2-Dichloropropane
Concen: 20.497 ug/l
RT: 7.20 min Scan# 897
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion: 77 Resp: 98213
Ion Ratio Lower Upper
77 100
97 22.8 11.8 35.3





#27

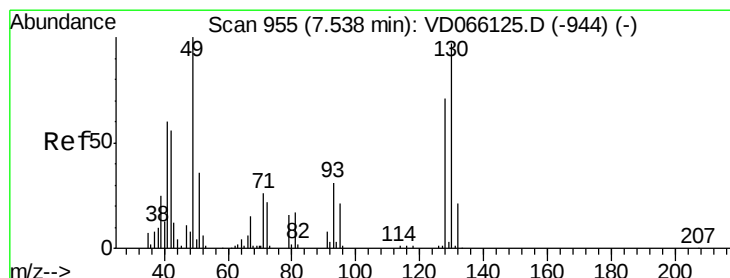
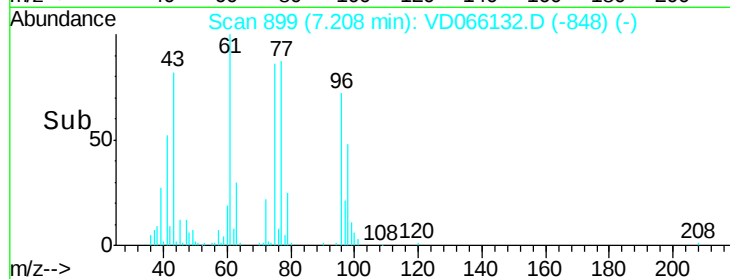
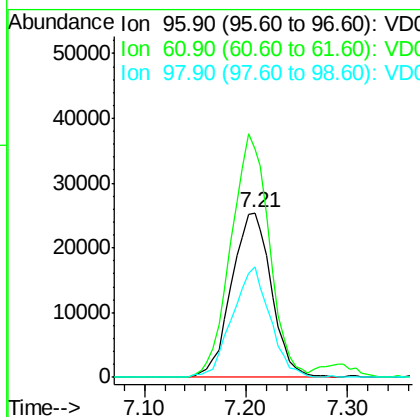
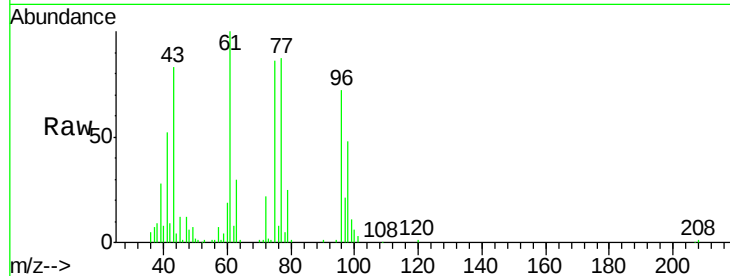
cis-1,2-Dichloroethene
 Concen: 19.910 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		69174		
61	142.4	0.0	281.6		
98	63.6	0.0	130.8		

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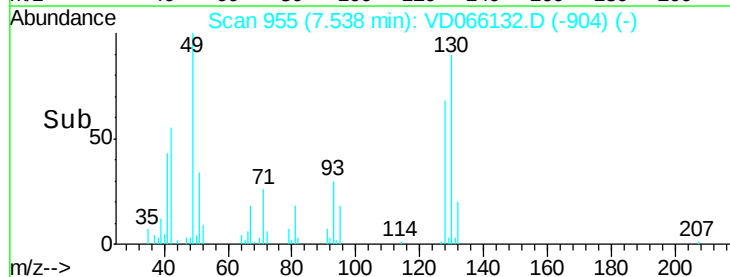
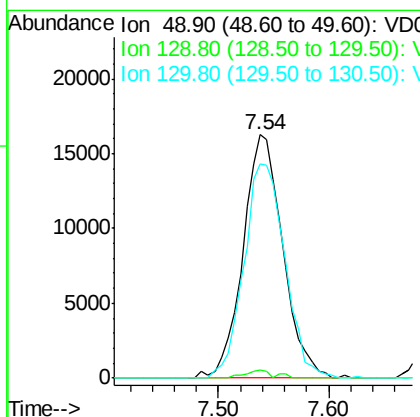
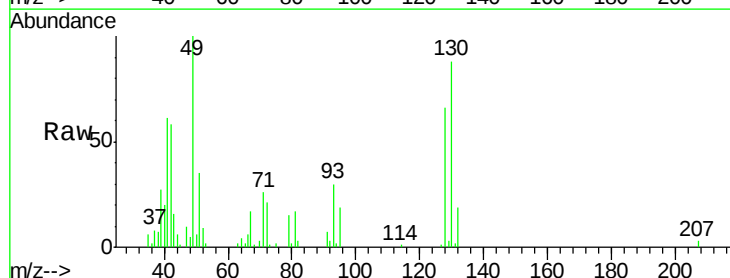
MMDadoda
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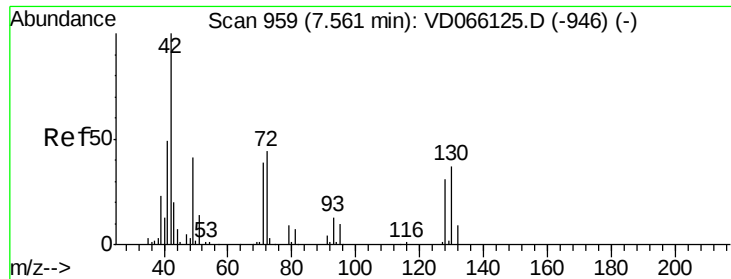


#28

Bromochloromethane
 Concen: 21.876 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		41076		
129	1.7	0.0	6.0		
130	90.9	73.8	110.6		





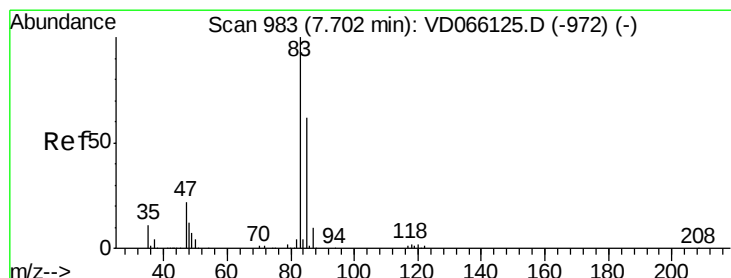
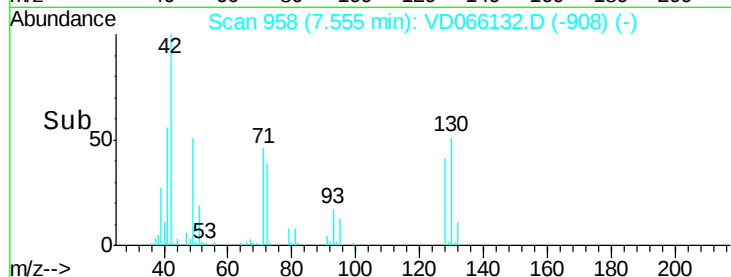
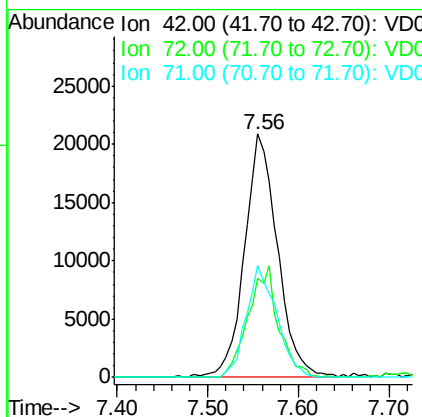
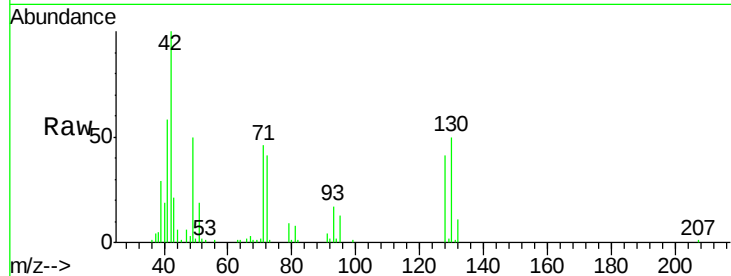
#29
Tetrahydrofuran
Concen: 105.108 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.8	52.2
71	42.3	33.5	50.3

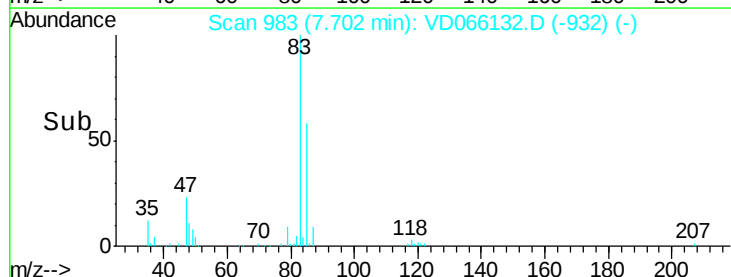
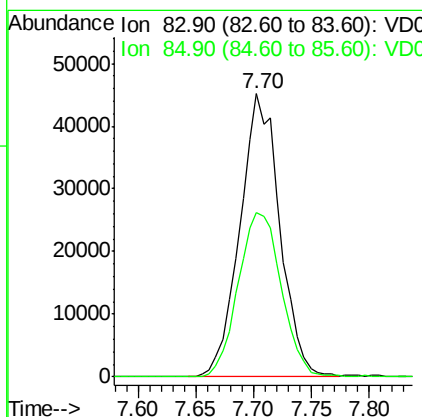
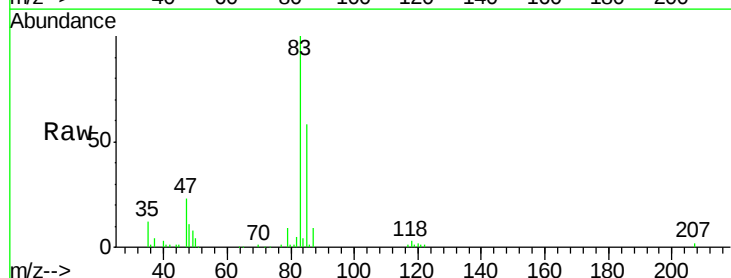
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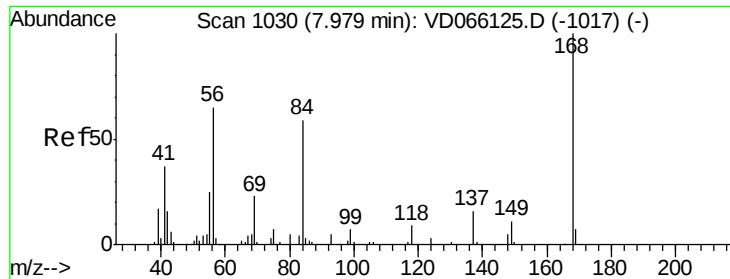
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#30
Chloroform
Concen: 19.283 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.1	49.5	74.3





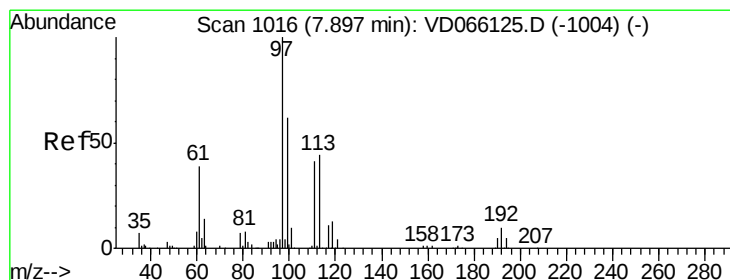
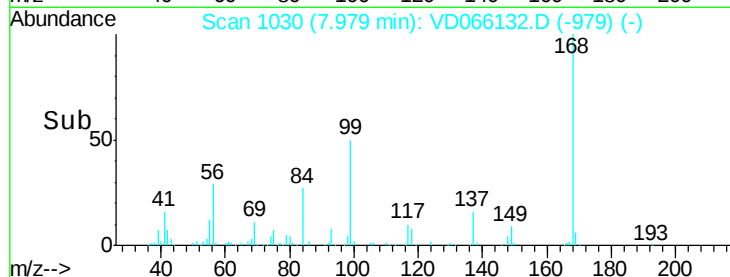
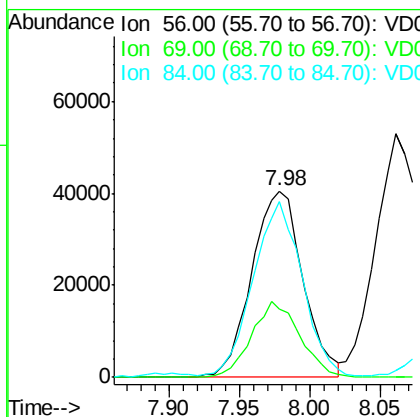
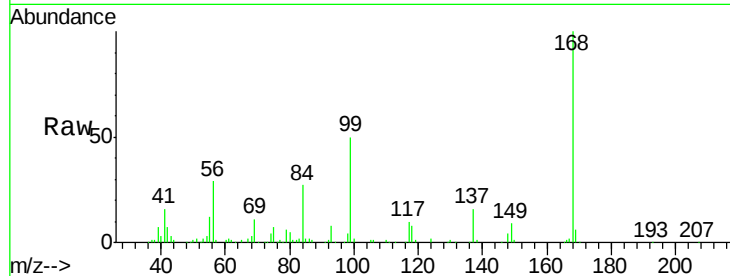
#31
Cyclohexane
Concen: 20.172 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	28.8	43.2
84	92.9	73.0	109.6

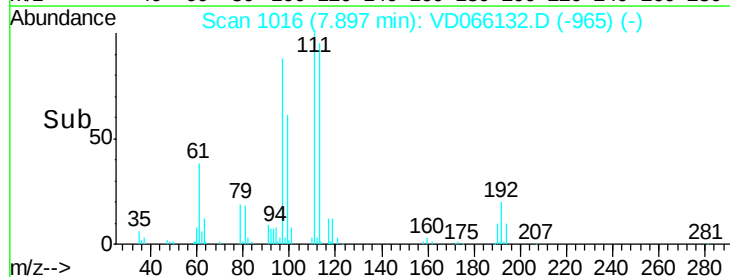
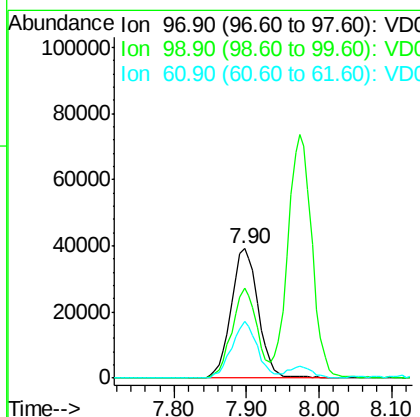
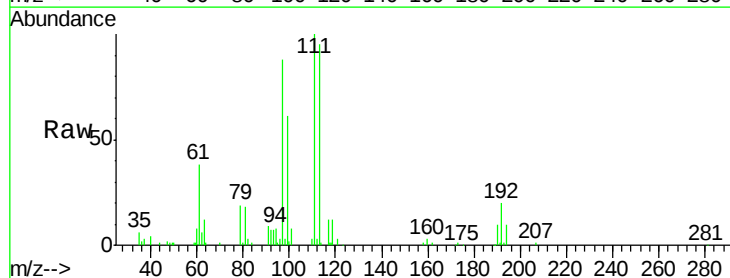
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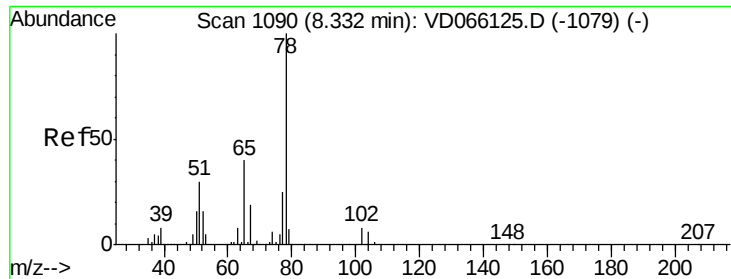
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#32
1,1,1-Trichloroethane
Concen: 19.301 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	41.5	32.7	49.1





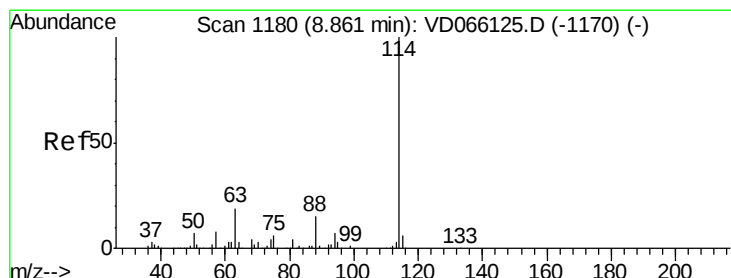
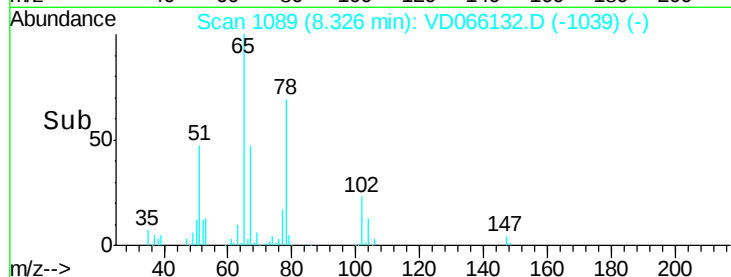
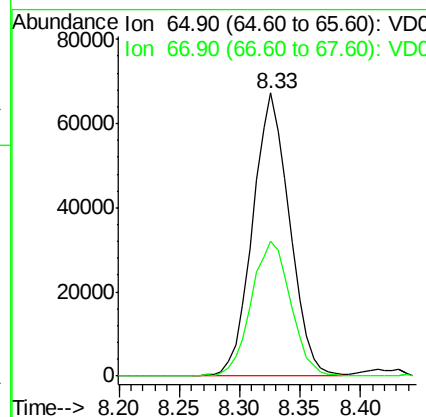
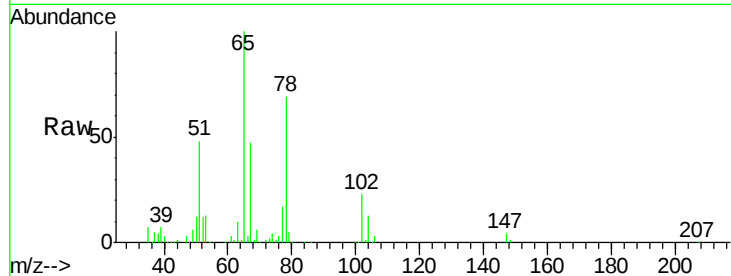
#33
 1,2-Dichloroethane-d4
 Concen: 49.318 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143259		
67	51.0	0.0	104.6	

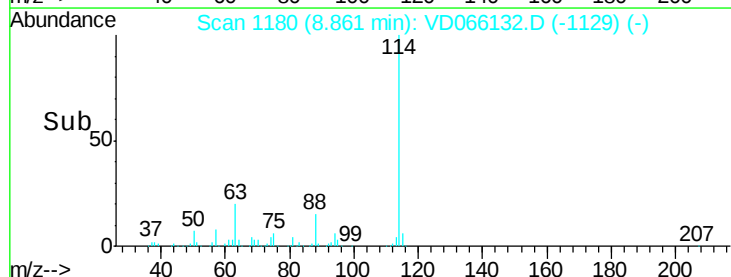
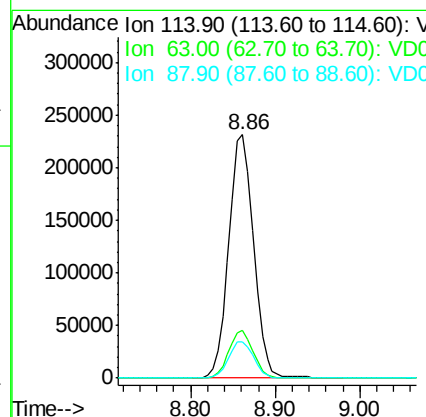
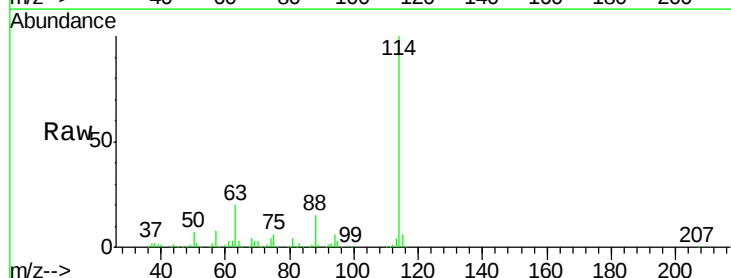
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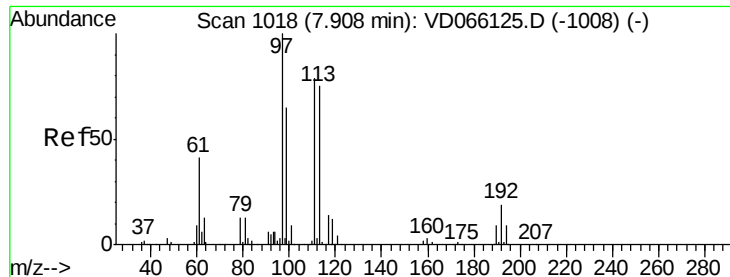
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 8/7/2020 12:48:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	470288		
63	19.6	0.0	38.6	
88	14.9	0.0	30.0	





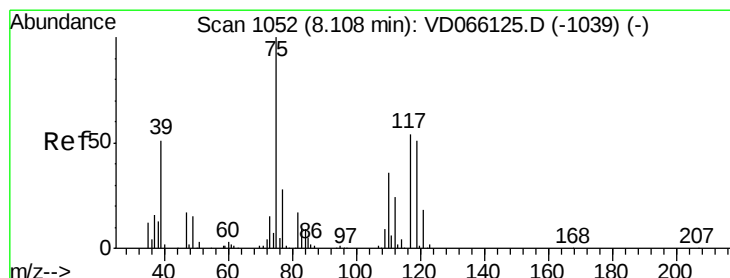
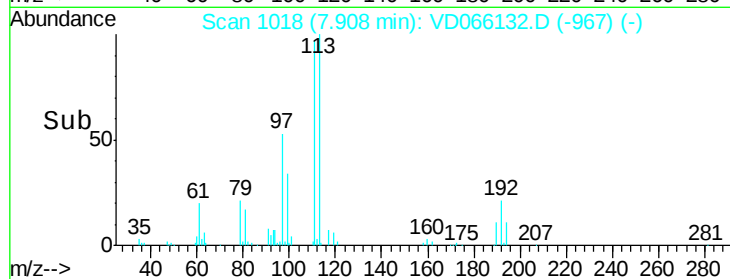
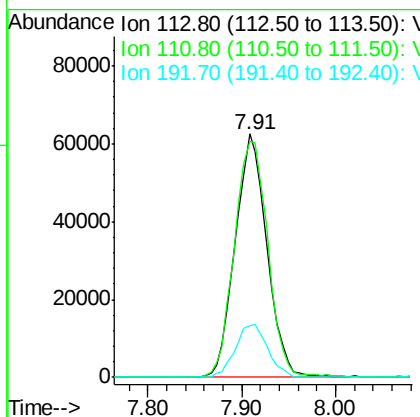
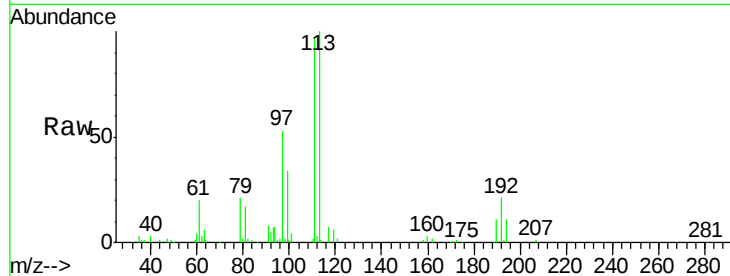
#35
 Dibromofluoromethane
 Concen: 48.913 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.7	121.1
192	22.4	18.4	27.6

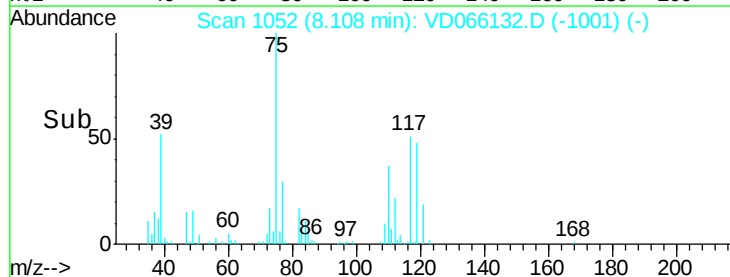
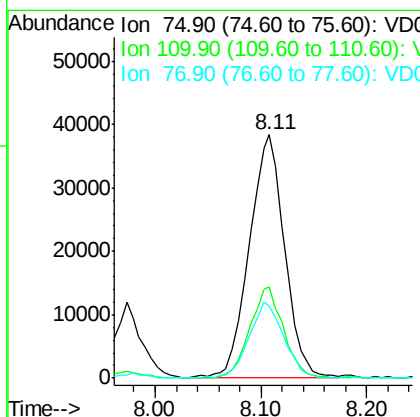
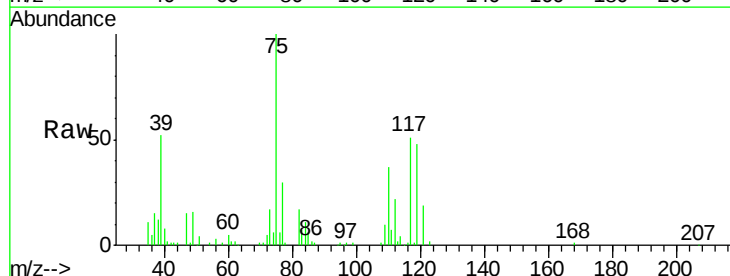
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#36
 1,1-Dichloropropene
 Concen: 20.148 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.8	56.3
77	30.9	24.2	36.2





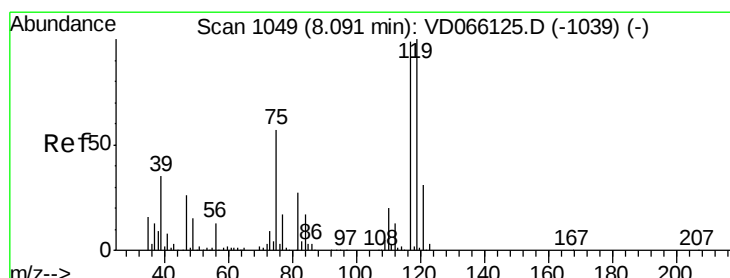
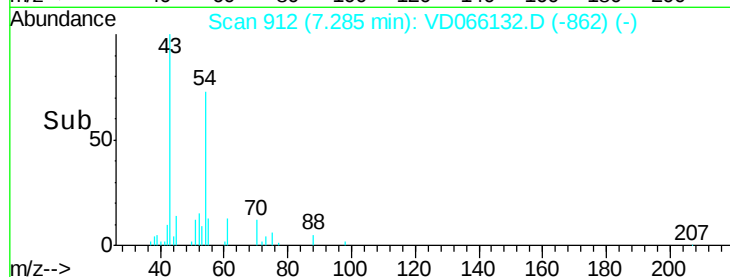
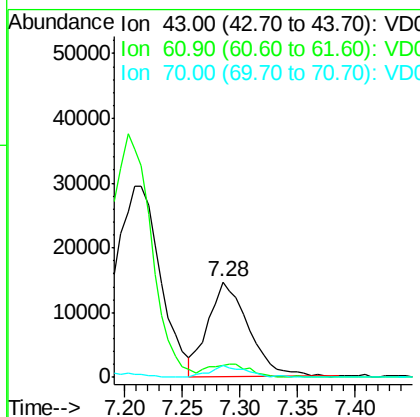
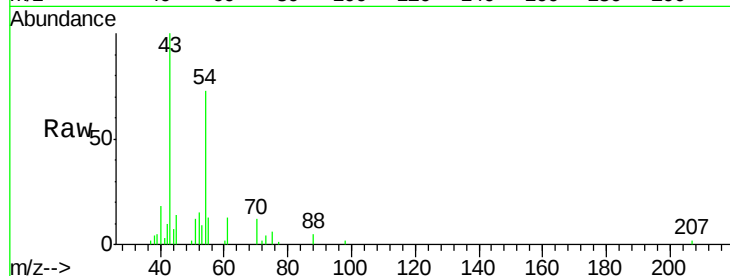
#37
Ethyl Acetate
Concen: 20.378 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleID :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.0	18.0
70	10.6	9.7	14.5

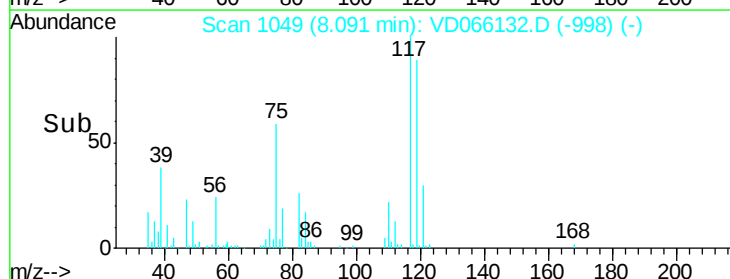
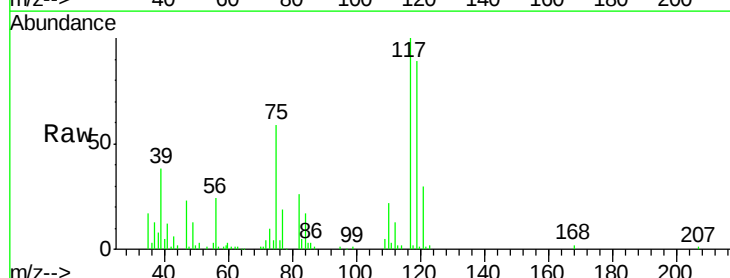
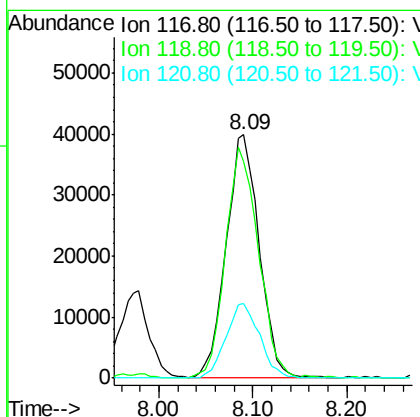
Manual Integrations
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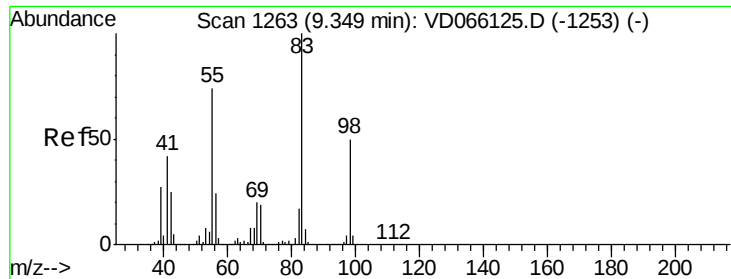
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#38
Carbon Tetrachloride
Concen: 19.848 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.2	81.0	121.4
121	30.5	24.8	37.2





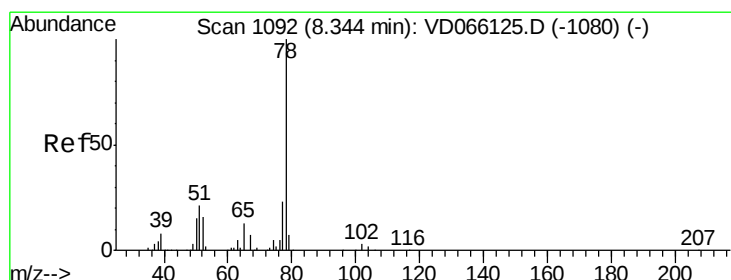
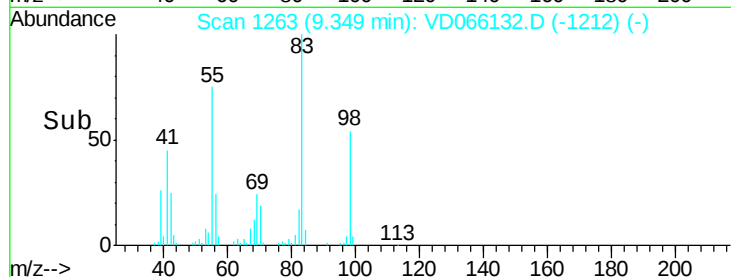
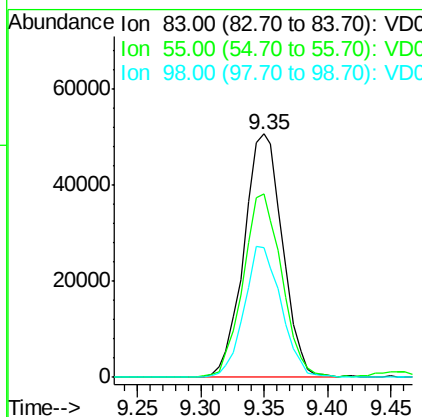
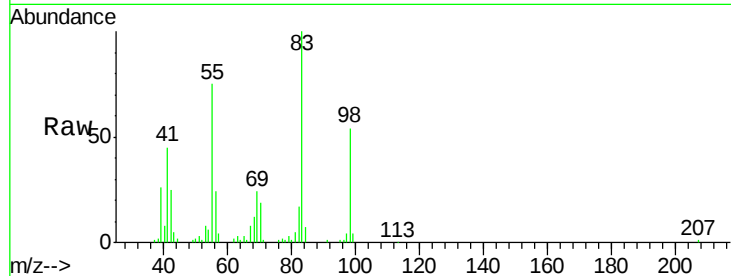
#39
Methvlcvclohexane
Concen: 20.075 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	83	Resp	107247
Ion Ratio	Lower	Upper	
83	100		
55	75.3	59.2	88.8
98	53.5	39.8	59.6

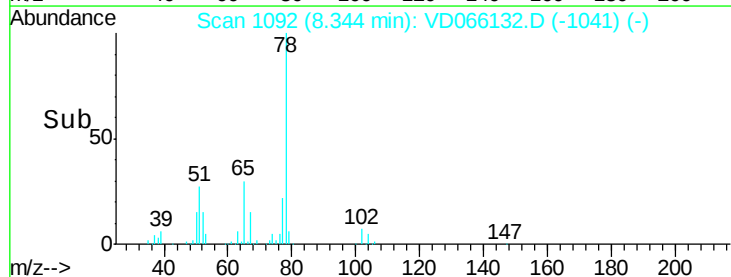
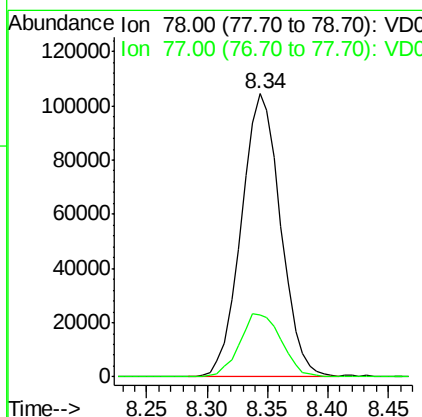
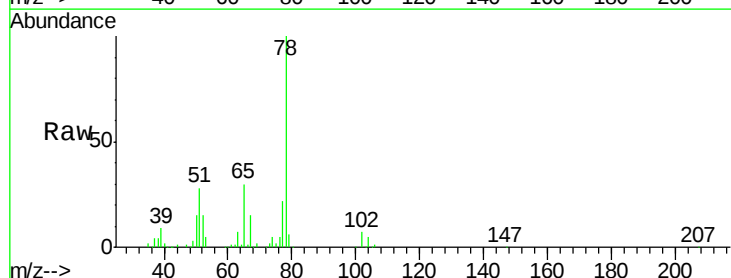
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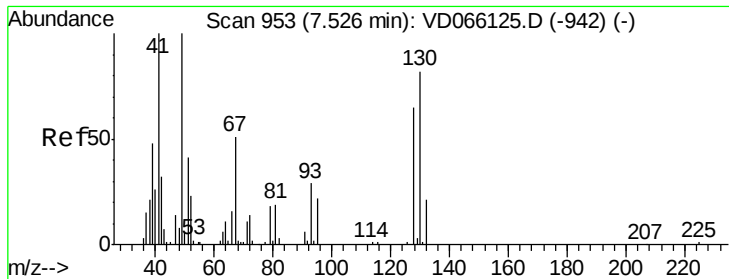
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#40
Benzene
Concen: 19.337 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	78	Resp	237065
Ion Ratio	Lower	Upper	
78	100		
77	21.7	18.6	27.8





#41

Methacrylonitrile

Concen: 16.746 ug/l

RT: 7.51 min Scan# 951

Delta R.T. -0.01 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 41 Resp: 17240

Ion Ratio Lower Upper

41 100

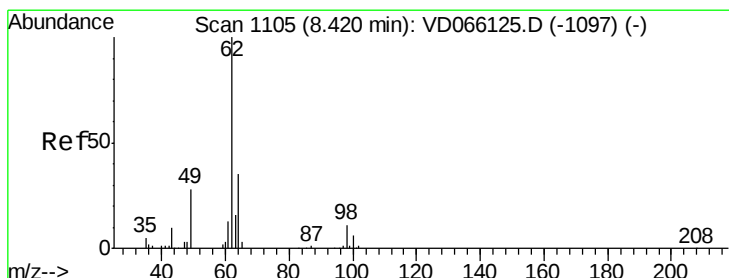
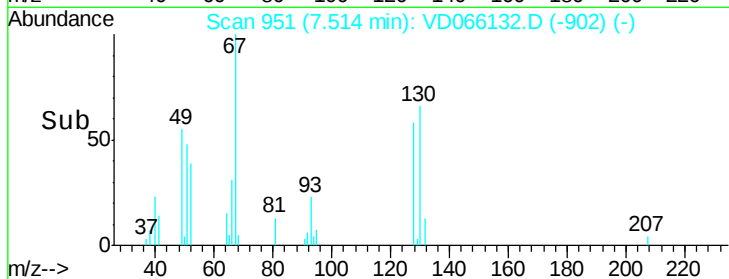
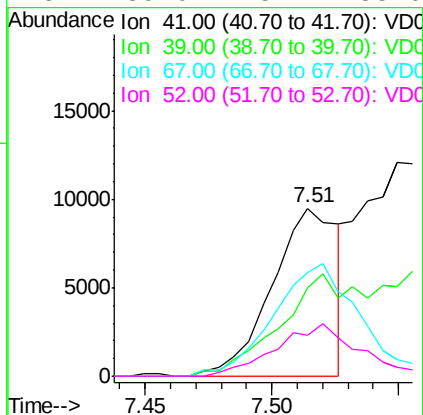
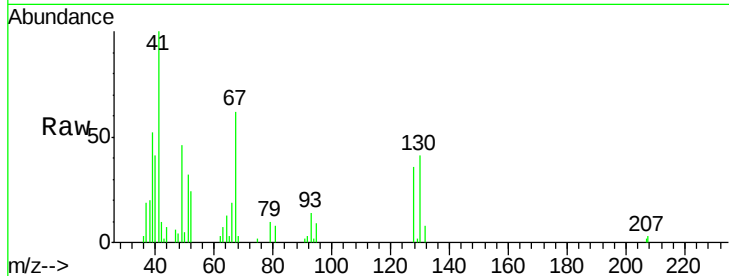
39 73.7 47.5 71.3#

67 88.1 59.1 88.7

52 39.0 25.4 38.0#

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#42

1,2-Dichloroethane

Concen: 19.269 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066132.D

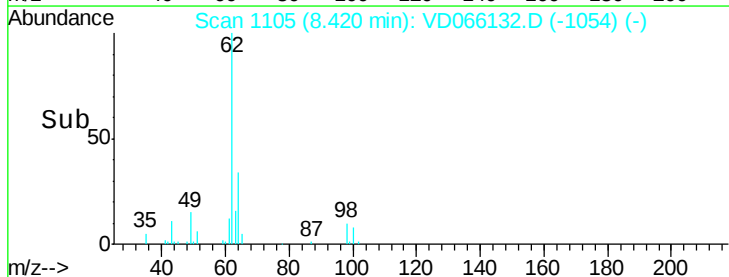
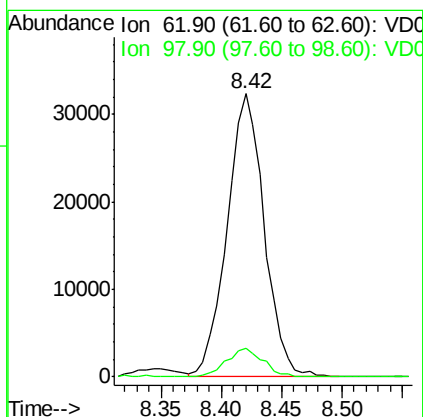
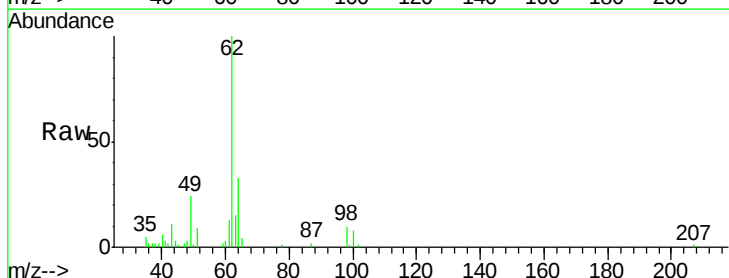
Acq: 06 Aug 2020 14:07

Tgt Ion: 62 Resp: 69396

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.4





#43

Isopropyl Acetate

Concen: 20.391 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

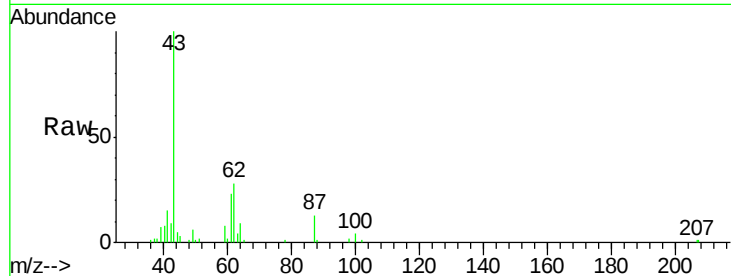
ClientSampleId :

VD0806SBS01

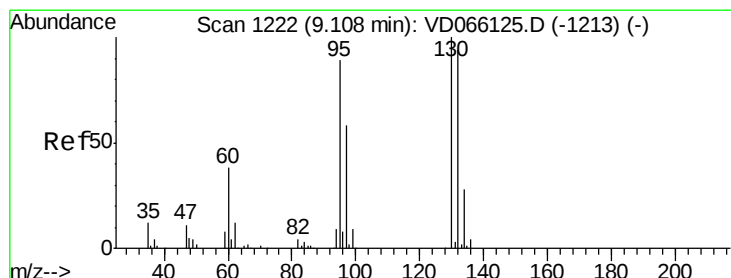
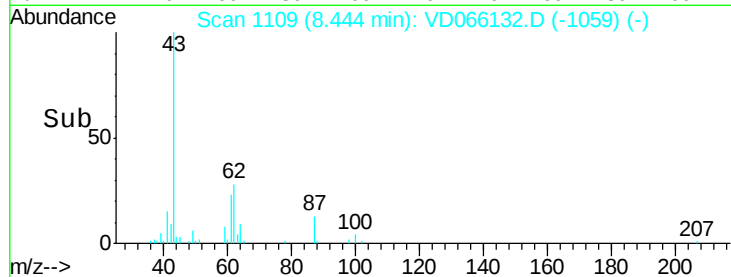
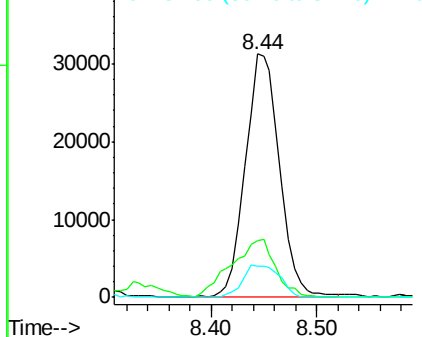
Tot Ion:	43	Resp:	70349
Ion	Ratio	Lower	Upper
43	100		
61	30.7	25.5	38.3
87	14.1	11.2	16.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.384 ug/l

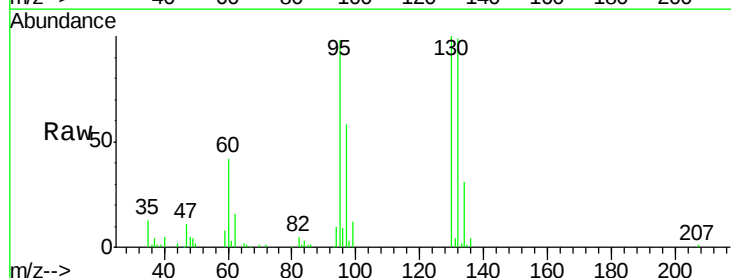
RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

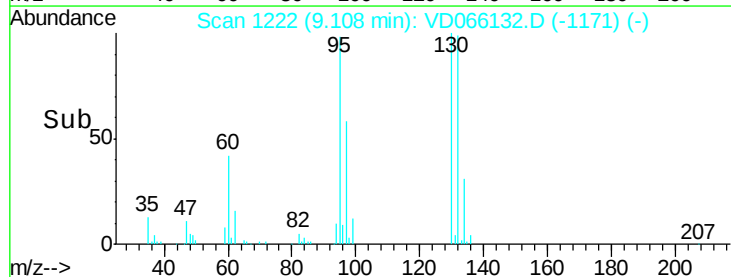
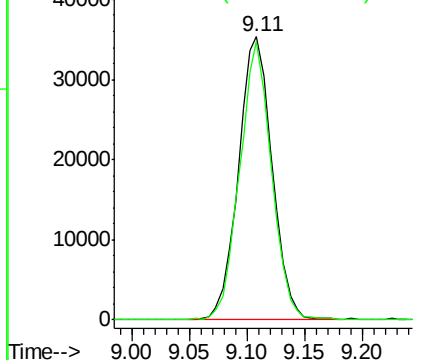
Lab File: VD066132.D

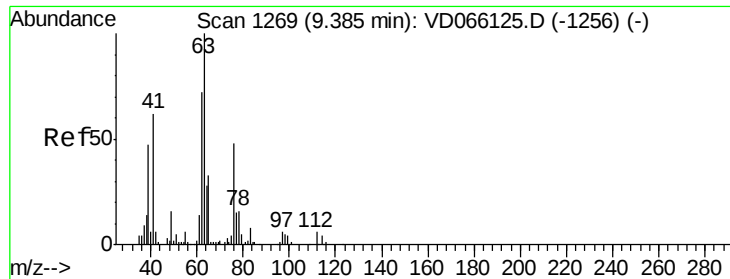
Acq: 06 Aug 2020 14:07

Tgt Ion:	130	Resp:	71610
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





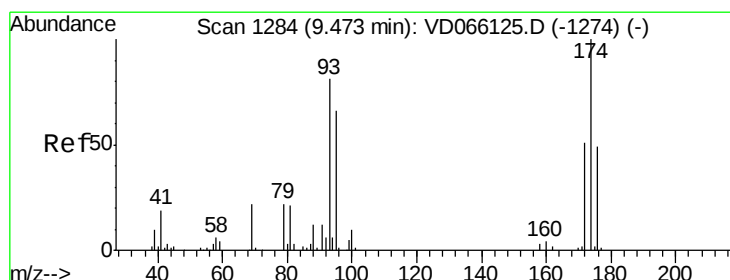
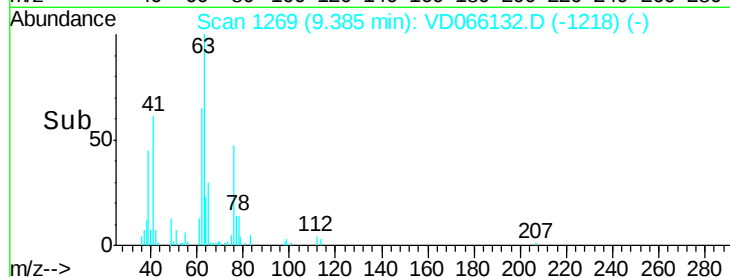
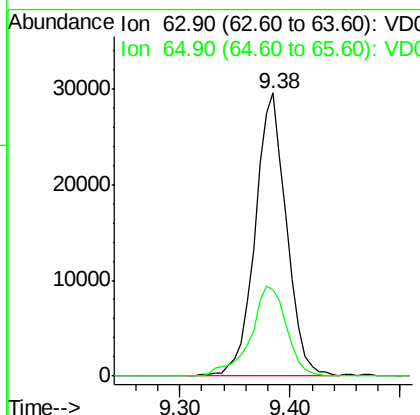
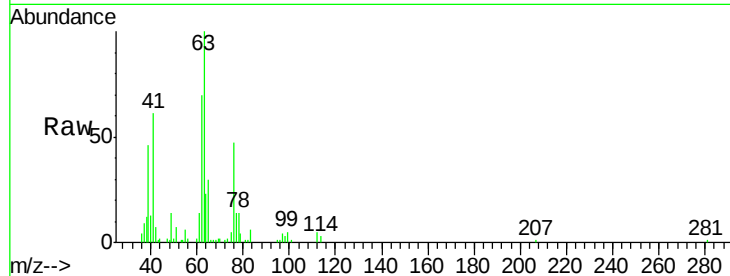
#45
 1,2-Dichloropropane
 Concen: 19.619 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	63	Resp	58823
Ion Ratio	Lower	Upper	
63	100		
65	30.4	26.5	39.7

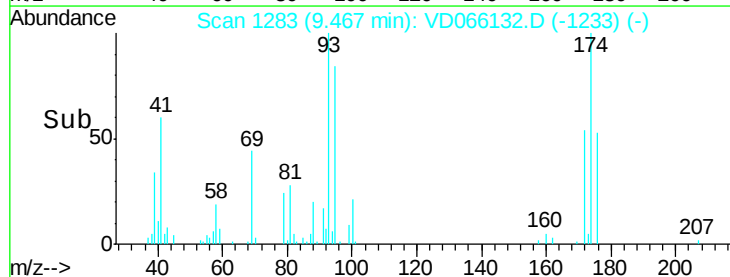
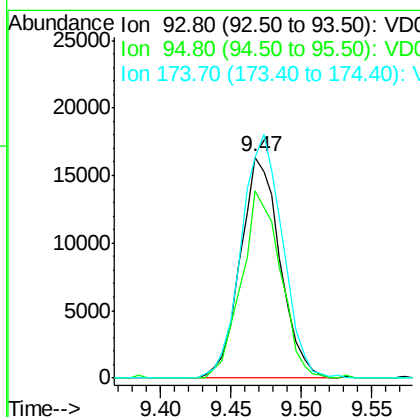
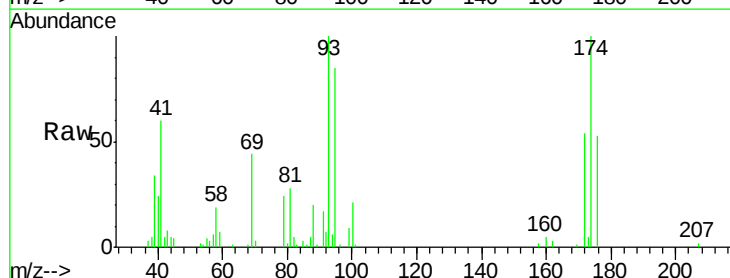
Manual Integrations
 APPROVED

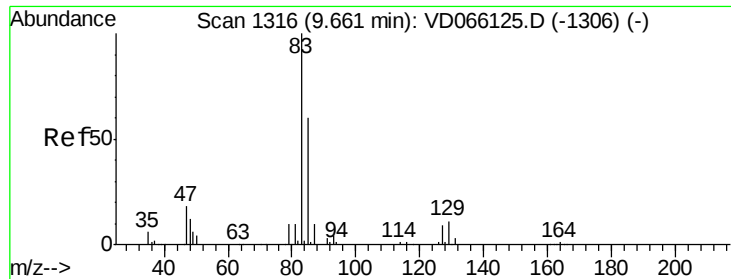
MMDadoda
 8/7/2020 12:48:30 PM



#46
 Dibromomethane
 Concen: 19.462 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion	93	Resp	32143
Ion Ratio	Lower	Upper	
93	100		
95	83.7	65.8	98.6
174	115.0	92.8	139.2





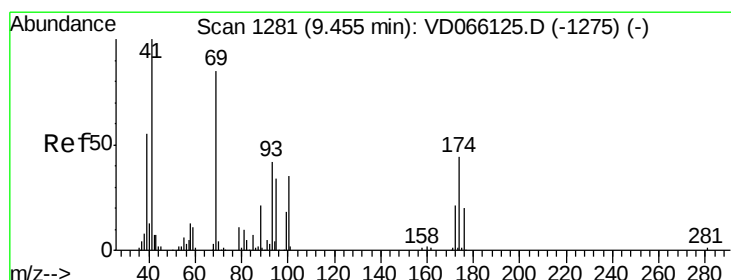
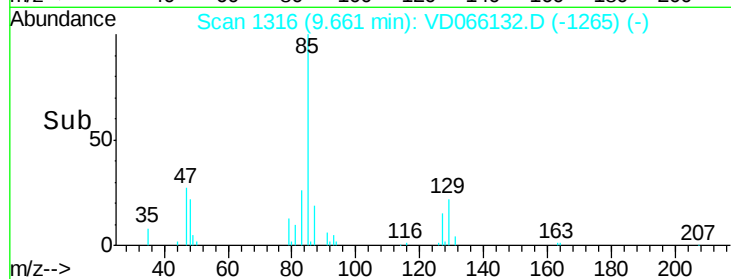
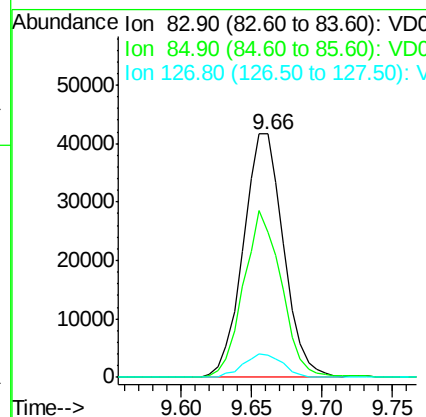
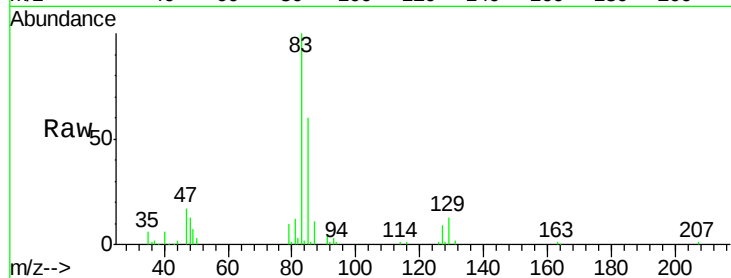
#47
Bromodichloromethane
Concen: 19.121 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	83465		
85	59.5	48.2	72.4	
127	9.2	7.3	10.9	

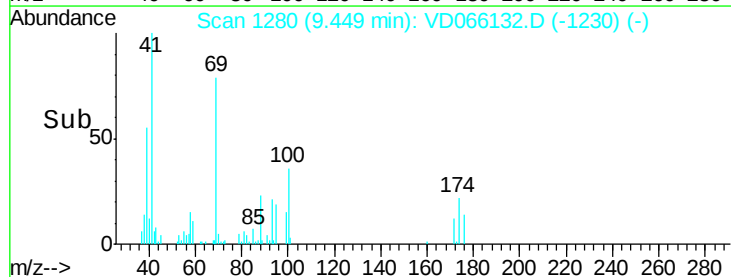
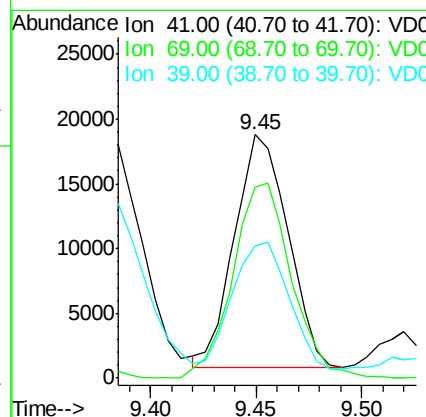
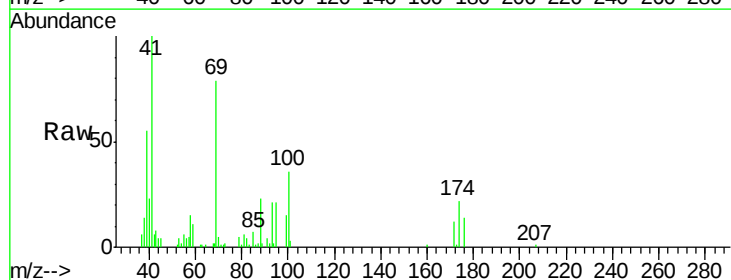
Manual Integrations
APPROVED

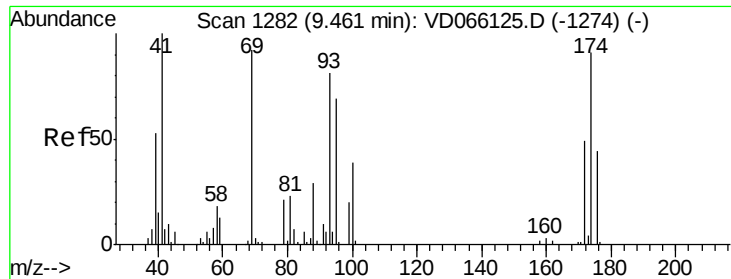
MMDadoda
8/7/2020 12:48:30 PM



#48
Methyl methacrylate
Concen: 17.877 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	31492		
69	92.0	63.9	95.9	
39	58.4	42.6	64.0	





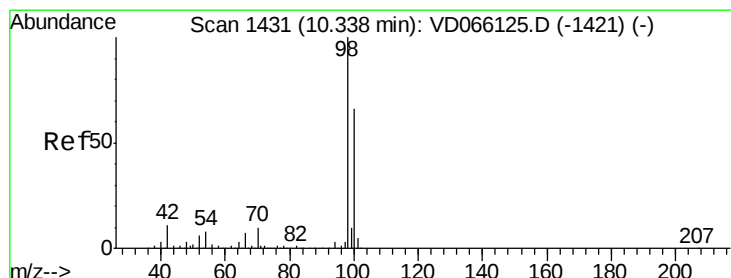
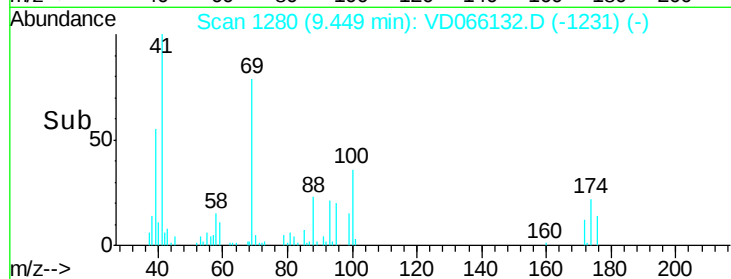
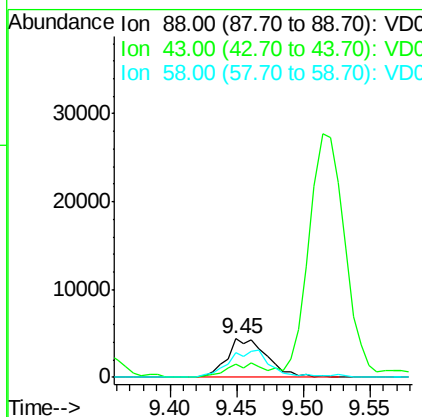
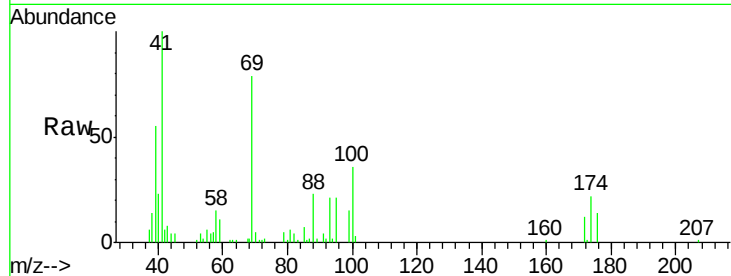
#49
1,4-Dioxane
Concen: 435.283 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	27.5	41.3
58	70.6	50.2	75.4

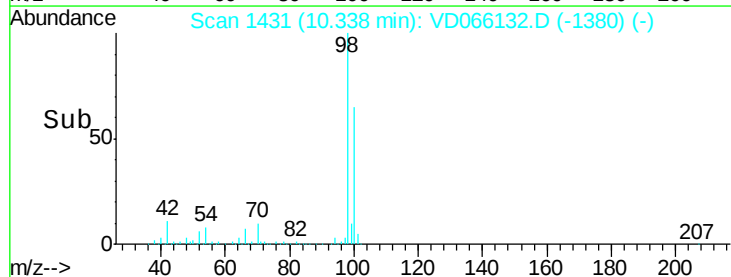
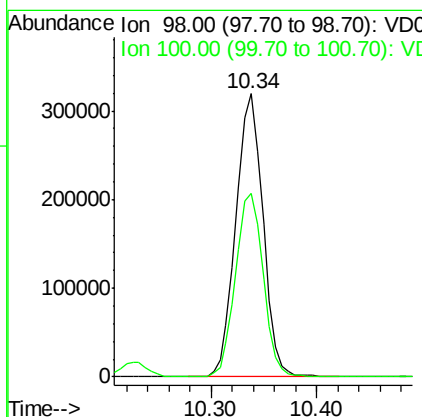
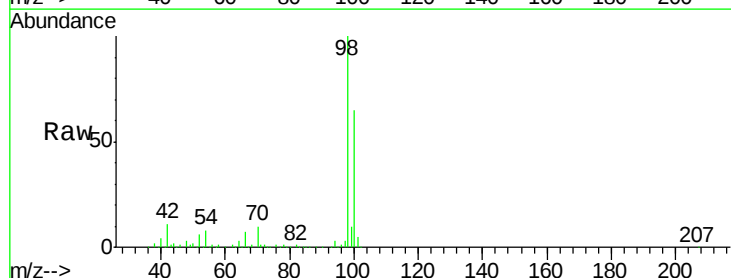
Manual Integrations
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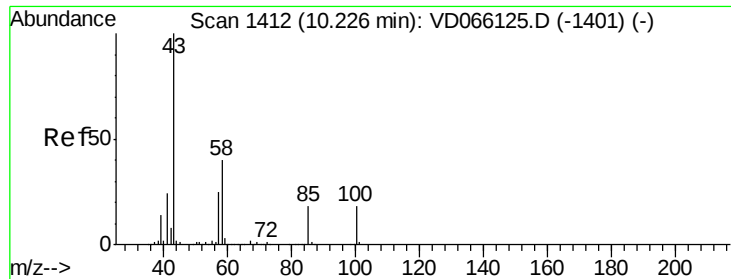
MMDadoda
8/7/2020 12:48:30 PM



#50
Toluene-d8
Concen: 51.666 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 101.644 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 43 Resp: 180123

Ion Ratio Lower Upper

43 100

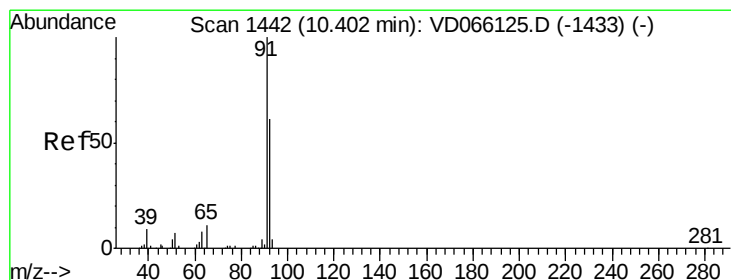
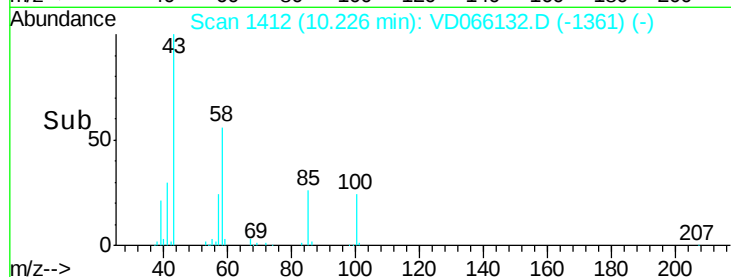
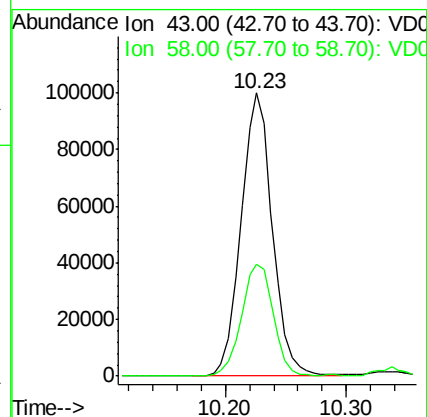
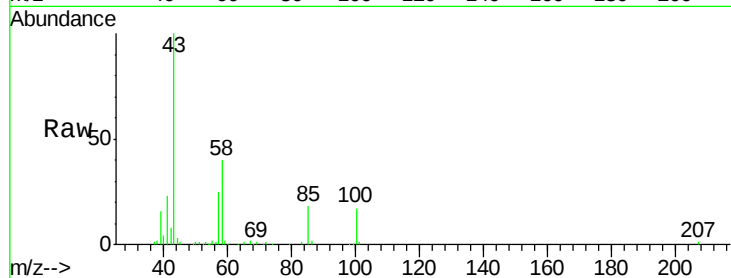
58 40.5 31.1 46.7

Manual Integrations

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MMDadoda

8/7/2020 12:48:30 PM



#52

Toluene

Concen: 20.213 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066132.D

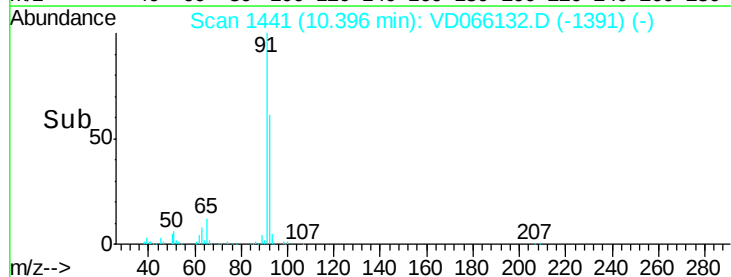
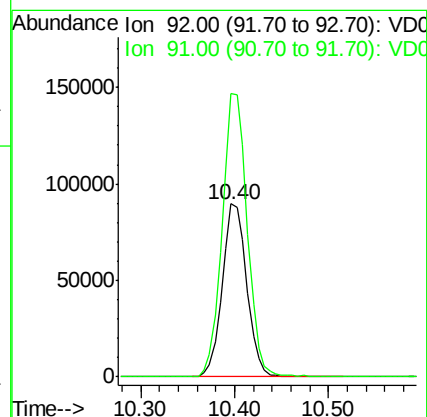
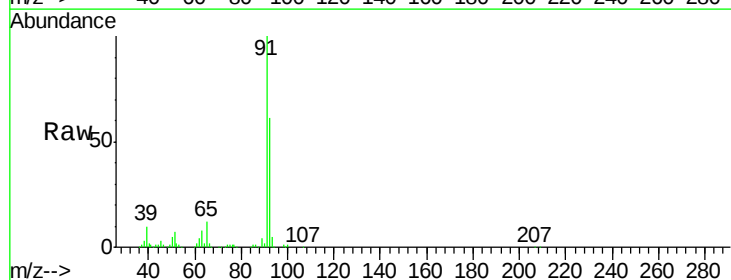
Acq: 06 Aug 2020 14:07

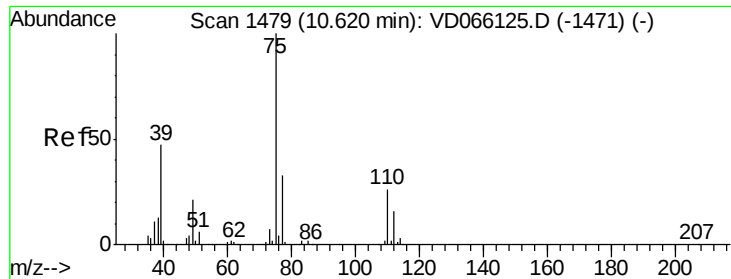
Tgt Ion: 92 Resp: 163057

Ion Ratio Lower Upper

92 100

91 167.5 135.2 202.8





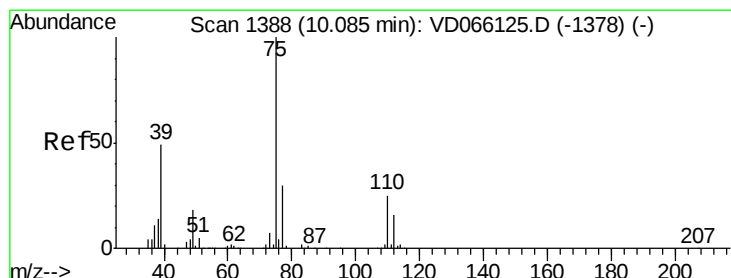
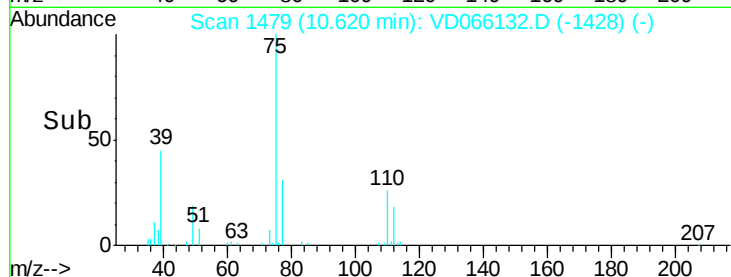
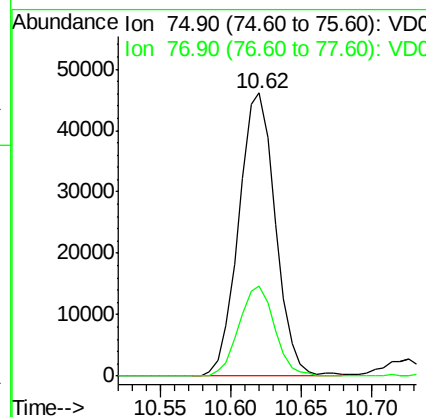
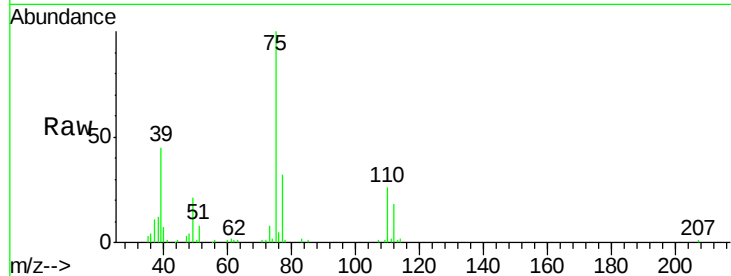
#53
 t-1,3-Dichloropropene
 Concen: 20.233 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion: 75 Resp: 83813
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2

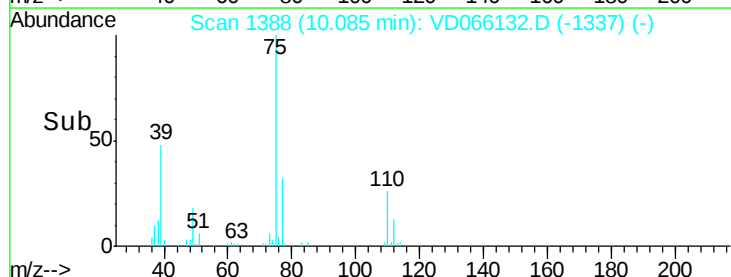
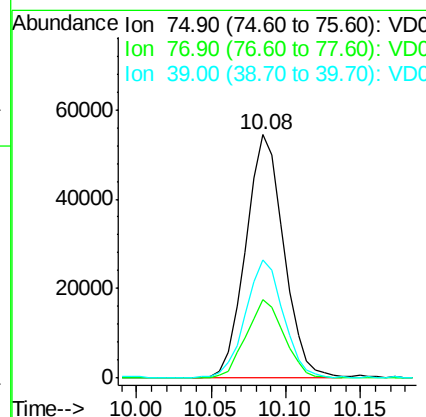
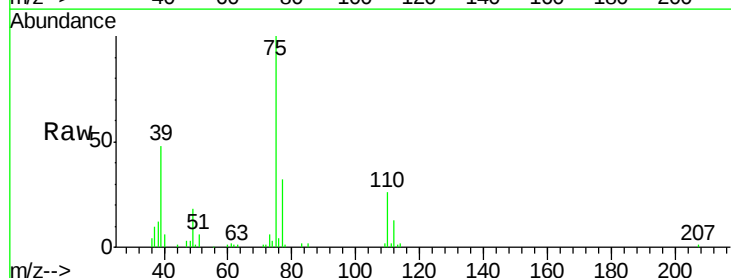
Manual Integrations
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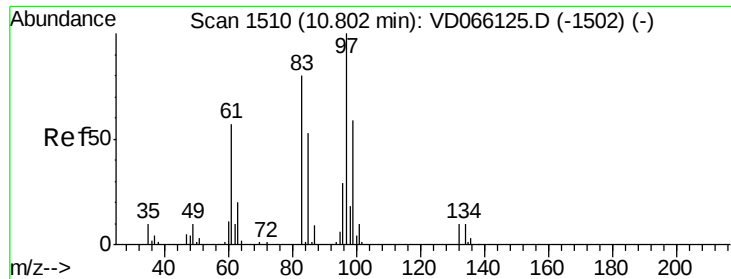
MMDadoda
 8/7/2020 12:48:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.764 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion: 75 Resp: 95924
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.3 36.5
 39 48.4 39.3 58.9





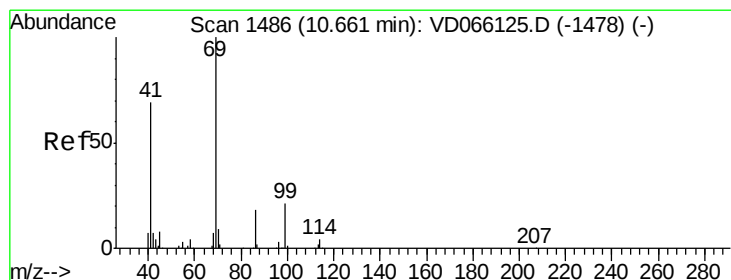
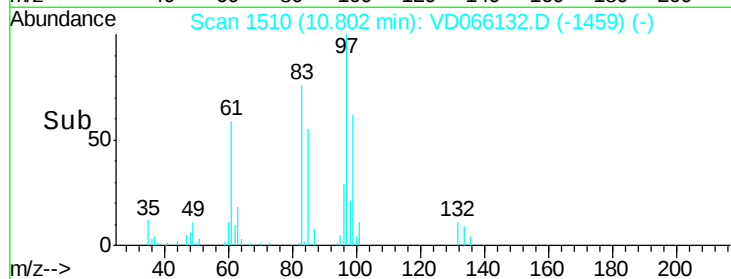
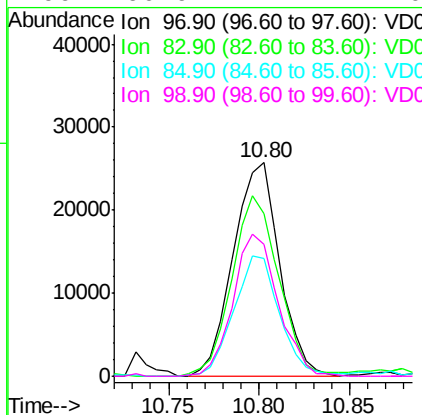
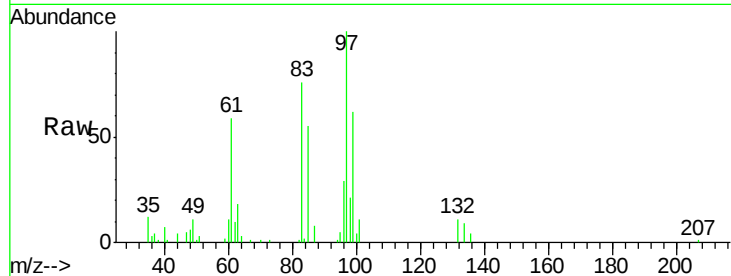
#55
 1,1,2-Trichloroethane
 Concen: 19.314 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion:	97	Resp:	45932
Ion	Ratio	Lower	Upper
97	100		
83	75.1	63.9	95.9
85	54.3	42.5	63.7
99	60.9	47.4	71.0

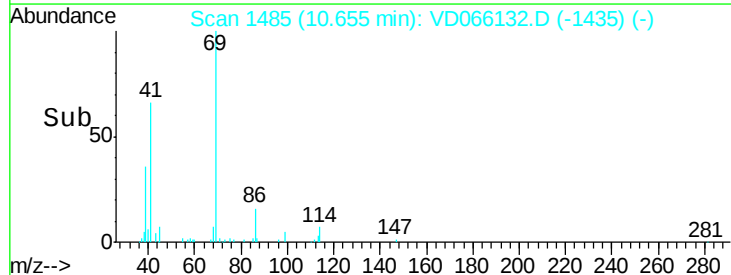
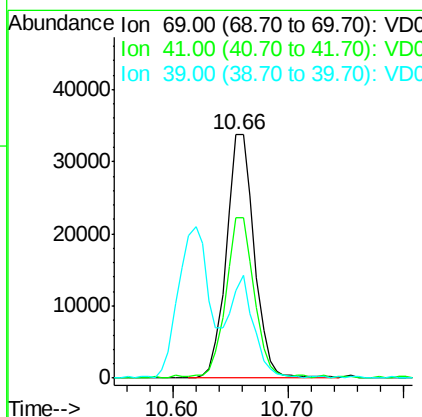
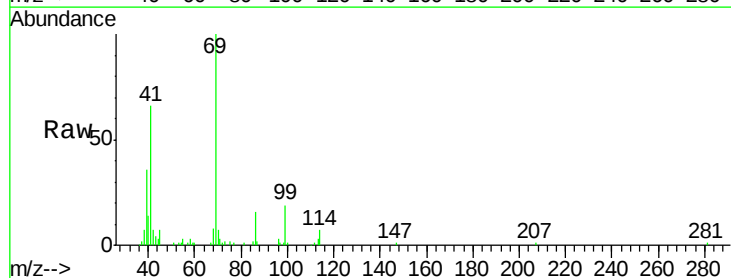
Manual Integrations
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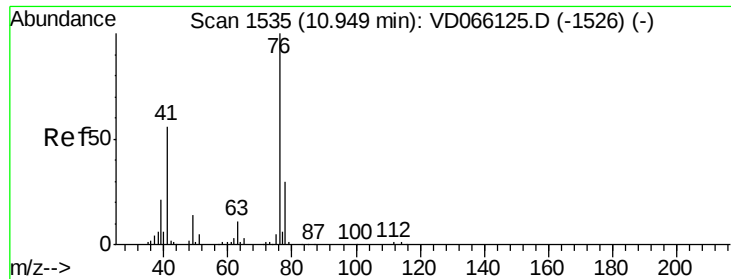
MMDadoda
 8/7/2020 12:48:30 PM



#56
 Ethyl methacrylate
 Concen: 19.816 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion:	69	Resp:	56612
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.1	81.1
39	34.6	28.6	43.0





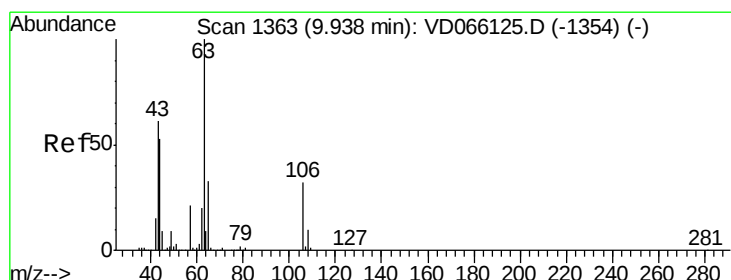
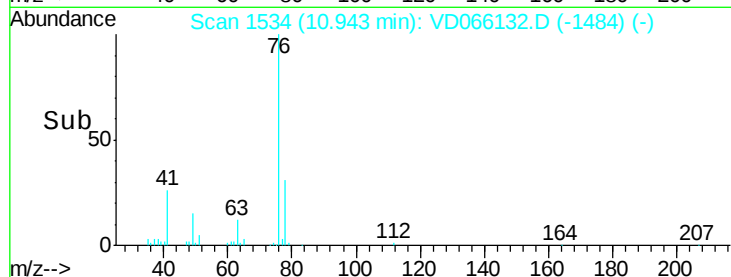
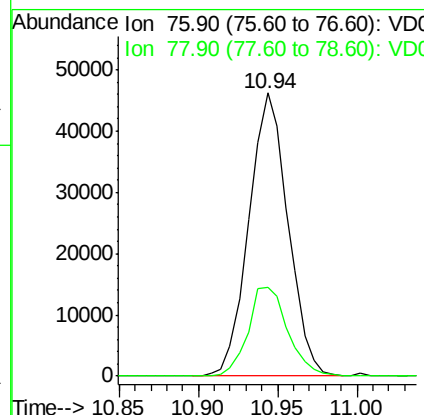
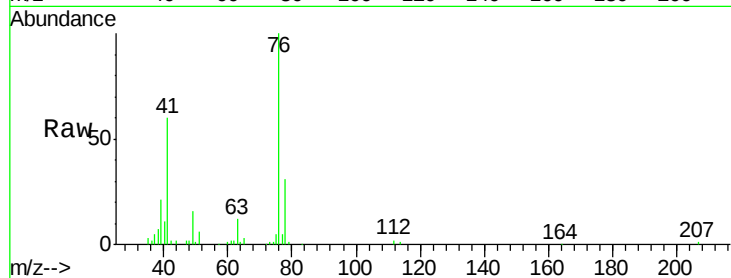
#57
 1,3-Dichloropropane
 Concen: 20.105 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion: 76 Resp: 79378
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

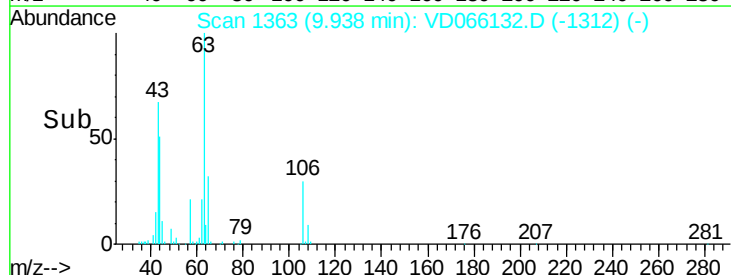
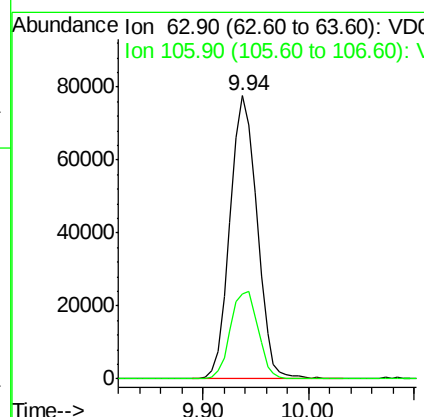
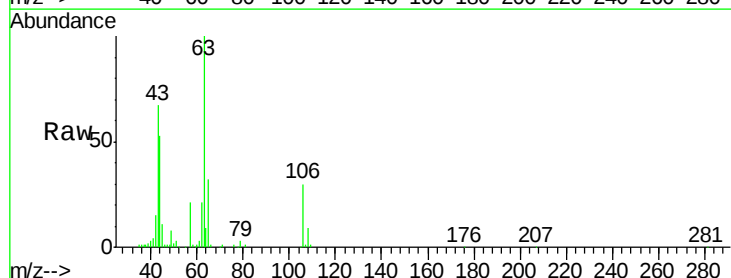
Manual Integrations
 APPROVED

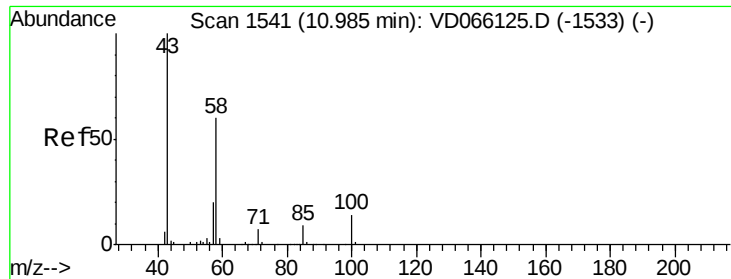
MMDadoda
 8/7/2020 12:48:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.668 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion: 63 Resp: 138360
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.3 37.9





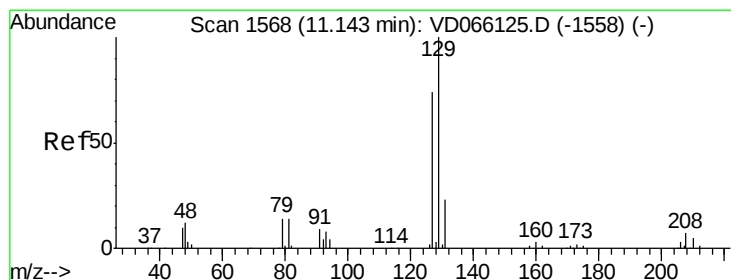
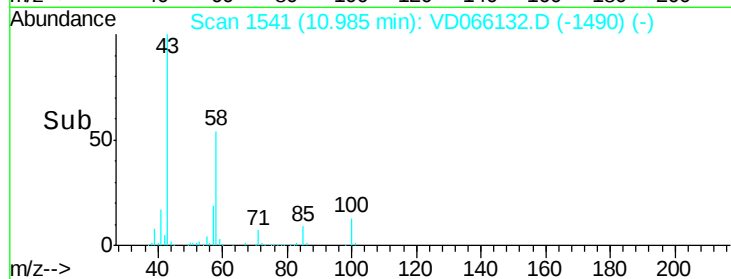
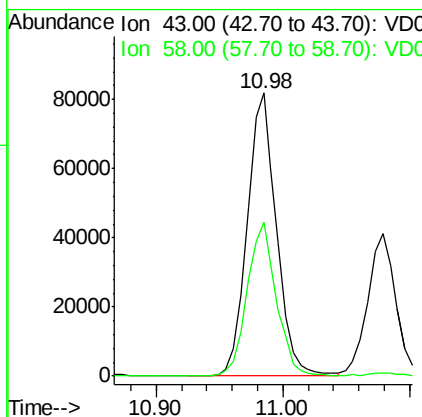
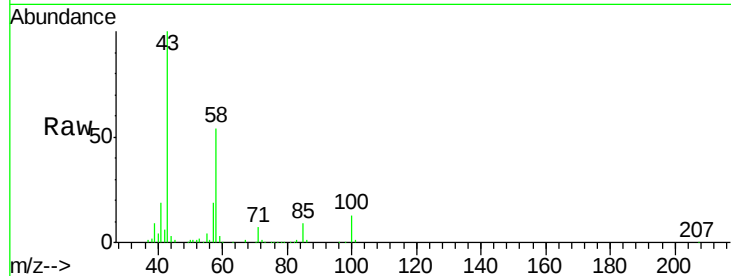
#59
2-Hexanone
Concen: 105.415 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion: 43 Resp: 131103
Ion Ratio Lower Upper
43 100
58 54.3 27.8 83.4

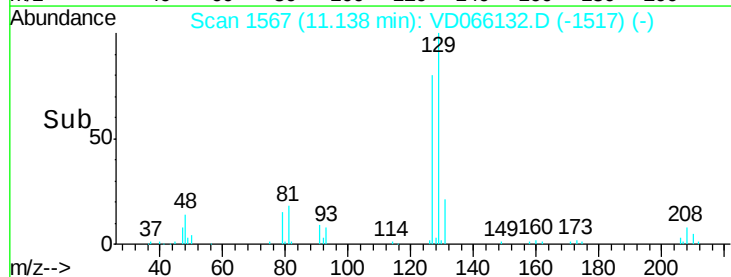
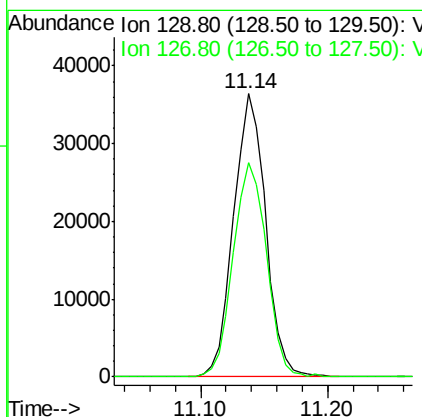
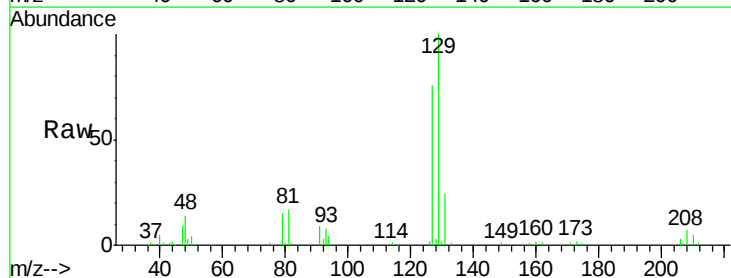
Manual Integrations
APPROVED

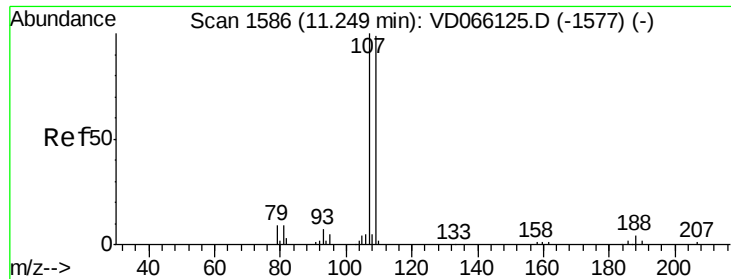
MMDadoda
8/7/2020 12:48:30 PM



#60
Dibromochloromethane
Concen: 19.387 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion:129 Resp: 63652
Ion Ratio Lower Upper
129 100
127 78.8 38.0 114.1





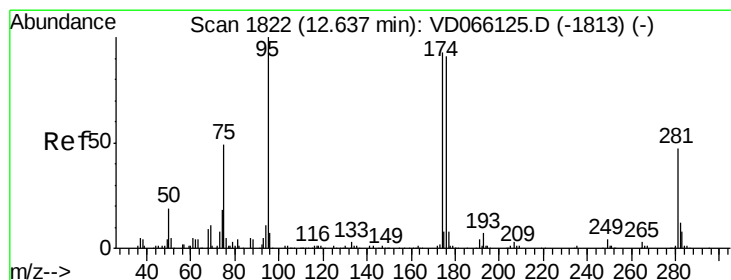
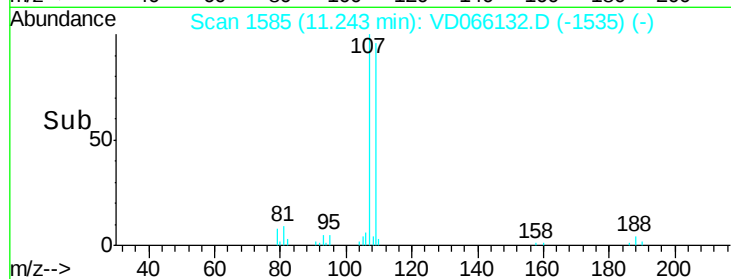
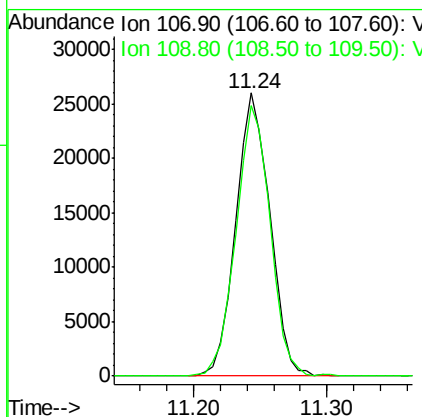
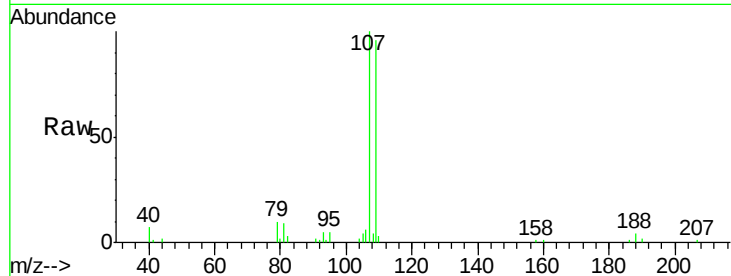
#61
 1,2-Dibromoethane
 Concen: 20.089 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion: 107 Resp: 45946
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.5 114.7

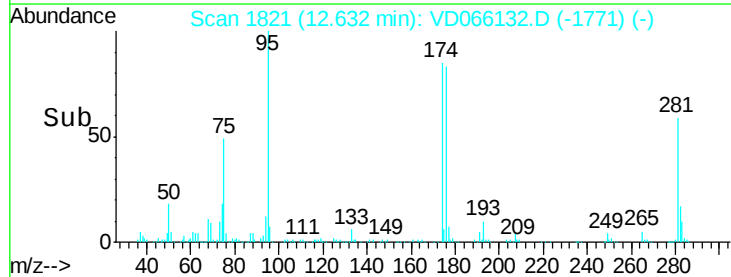
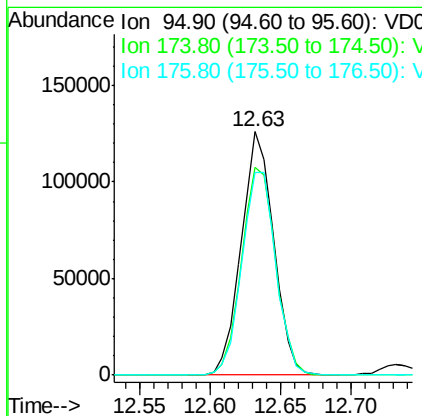
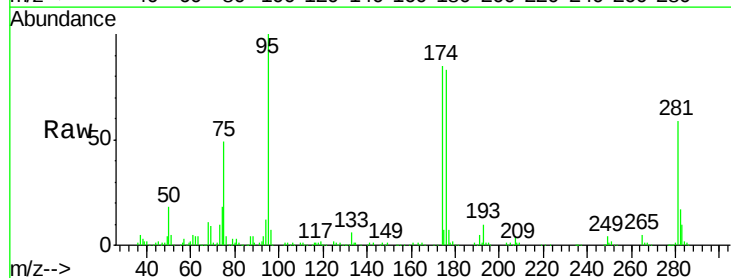
Manual Integrations
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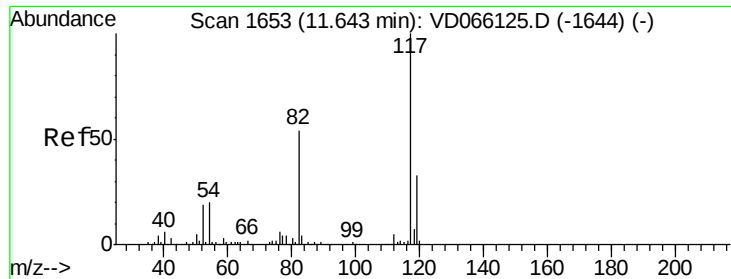
MMDadoda
 8/7/2020 12:48:30 PM



#62
 4-Bromofluorobenzene
 Concen: 51.228 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion: 95 Resp: 203014
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 180.8
 176 87.6 0.0 181.2





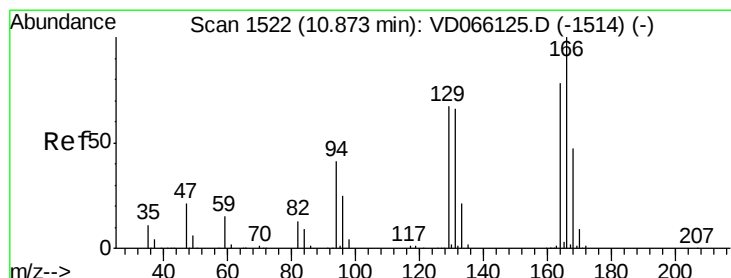
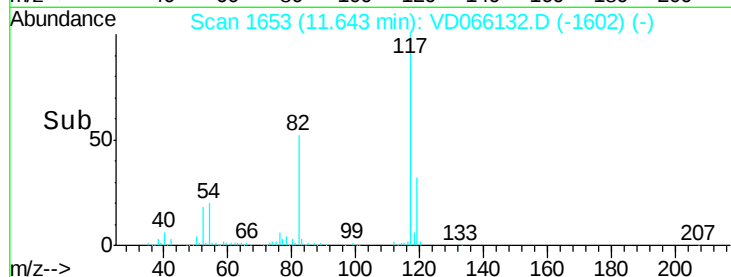
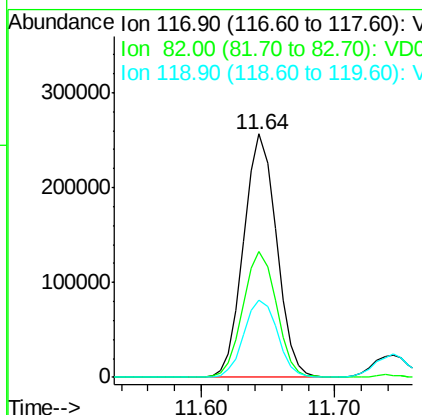
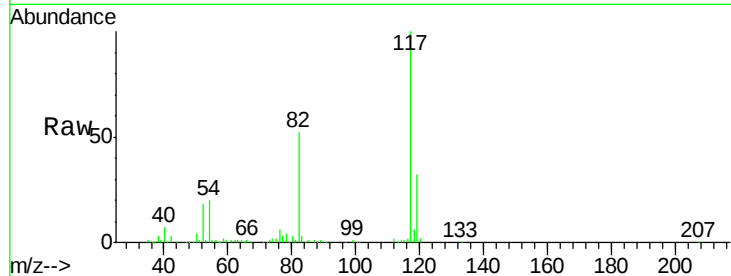
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	437987		
82	51.8	43.0	64.4	
119	31.8	26.1	39.1	

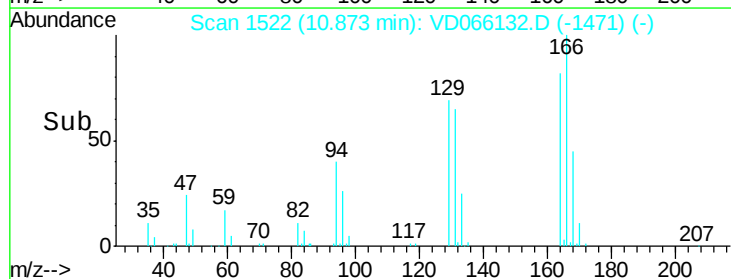
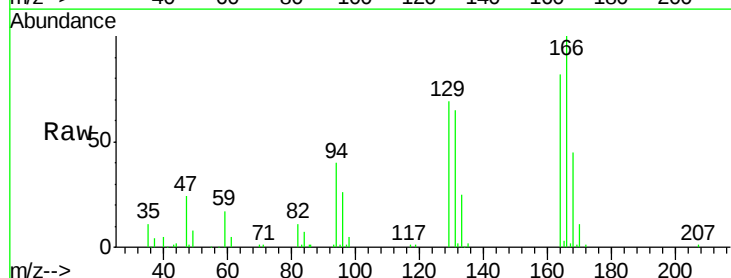
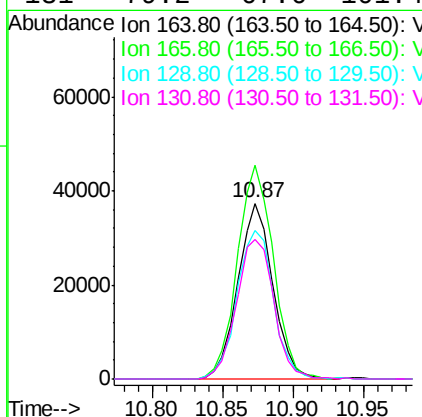
Manual Integrations
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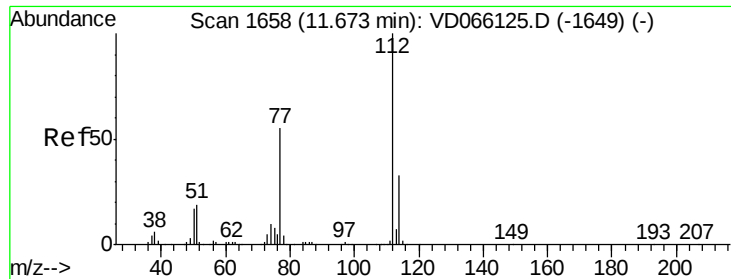
MMDadoda
8/7/2020 12:48:30 PM



#64
Tetrachloroethene
Concen: 19.274 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64825		
166	121.4	101.9	152.9	
129	84.1	68.1	102.1	
131	79.2	67.6	101.4	





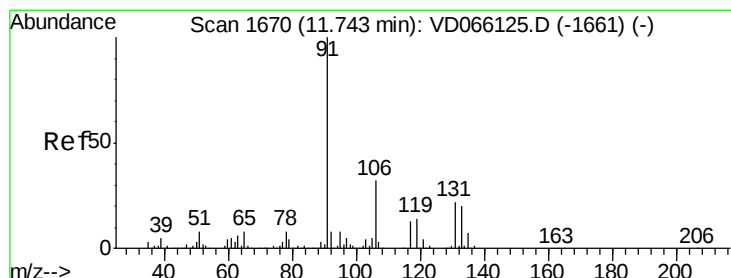
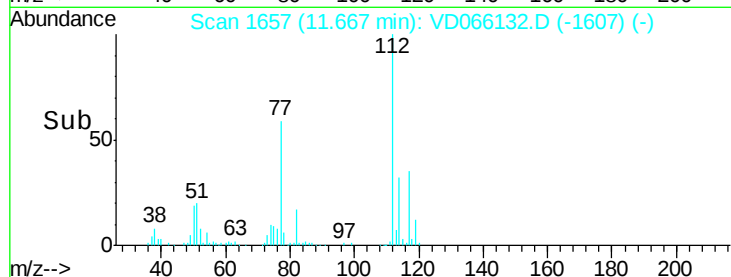
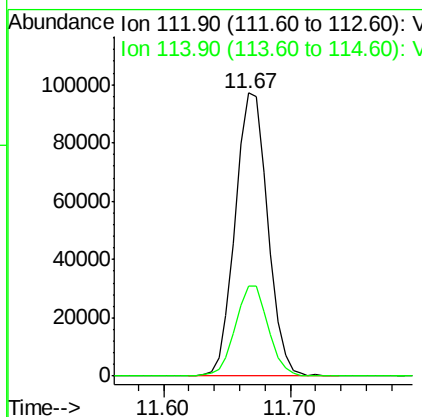
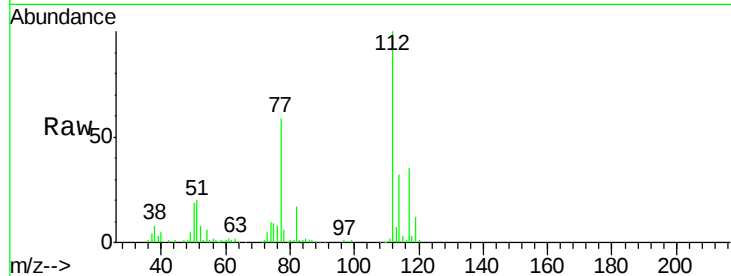
#65
Chlorobenzene
Concen: 19.423 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.1	39.1

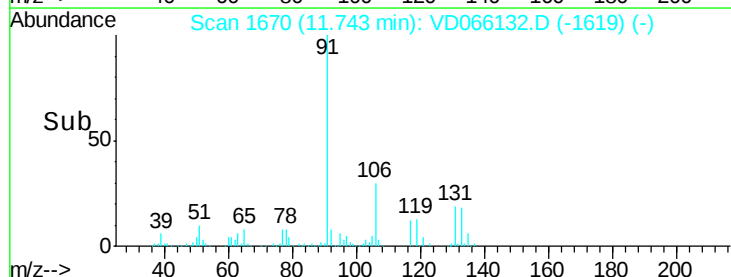
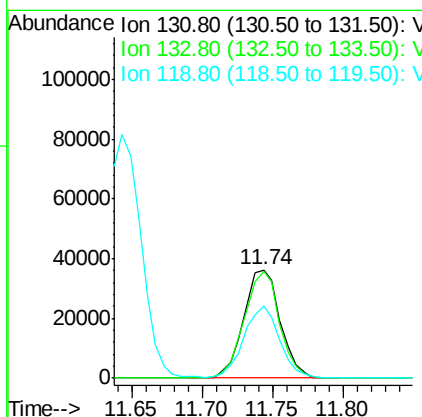
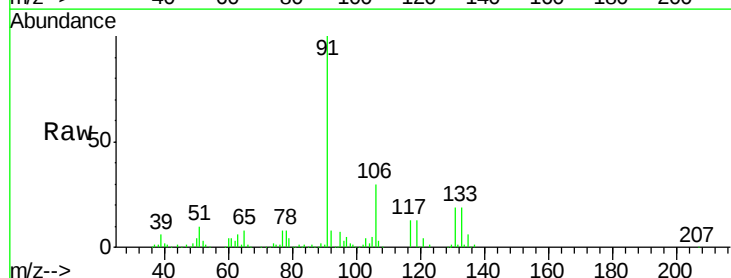
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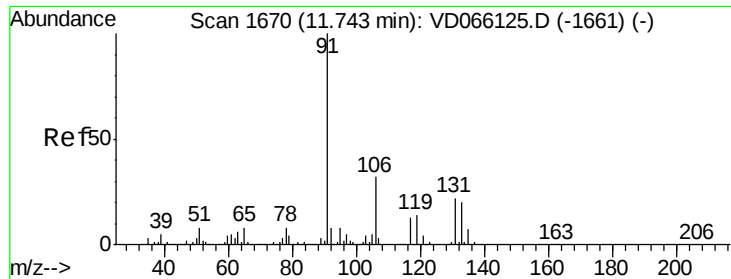
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.981 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.1	141.4
119	65.0	31.6	94.7





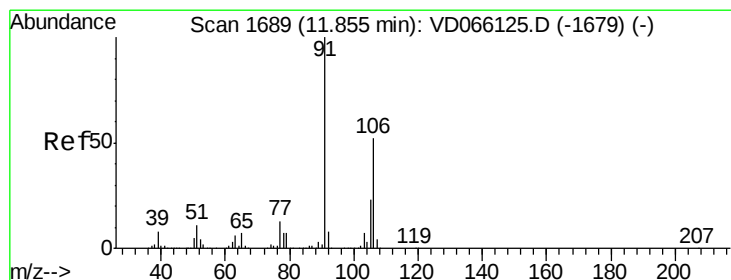
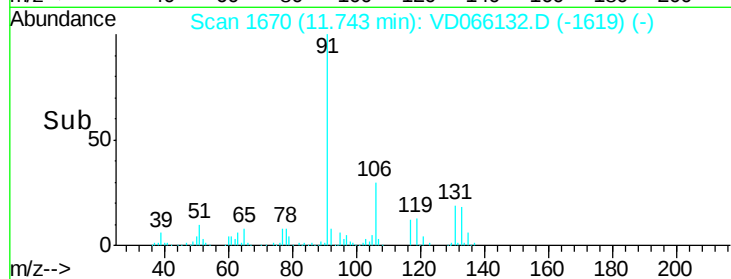
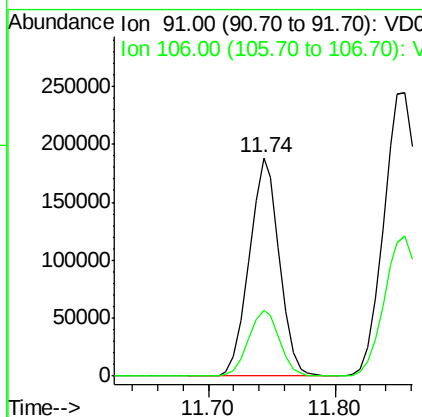
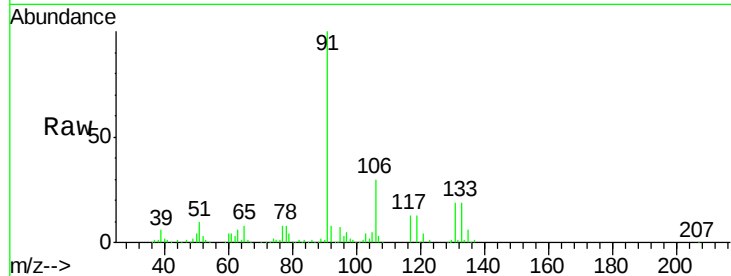
#67
Ethyl Benzene
Concen: 20.142 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.7	38.5

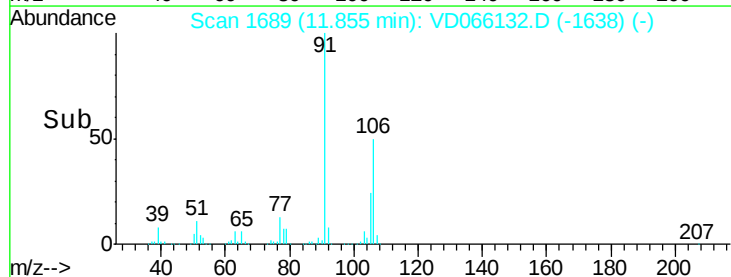
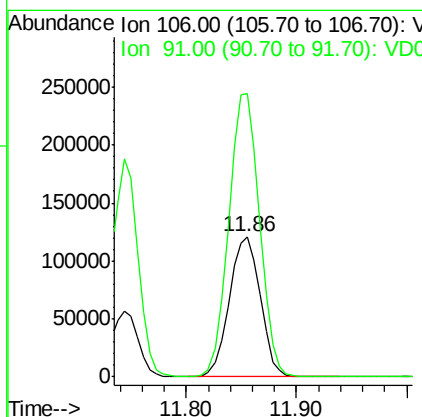
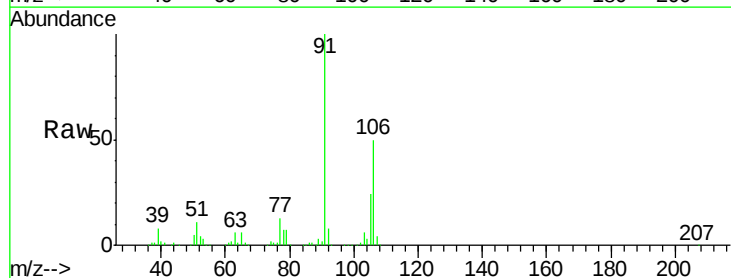
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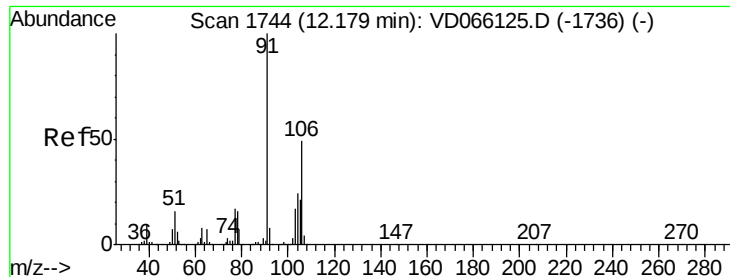
MMDadoda
8/7/2020 12:48:30 PM



#68
m/p-Xylenes
Concen: 39.828 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.1	156.6	235.0





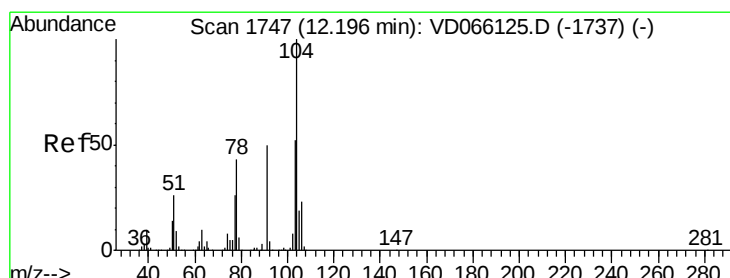
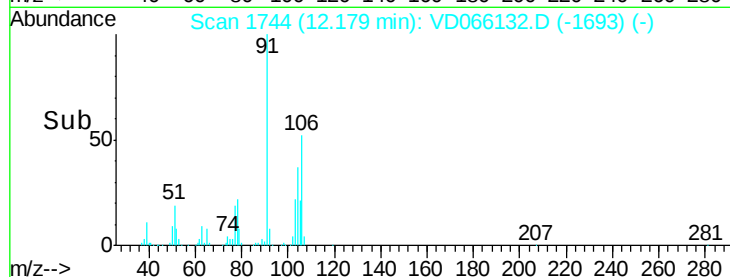
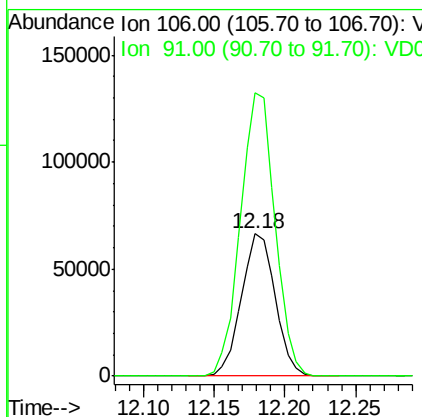
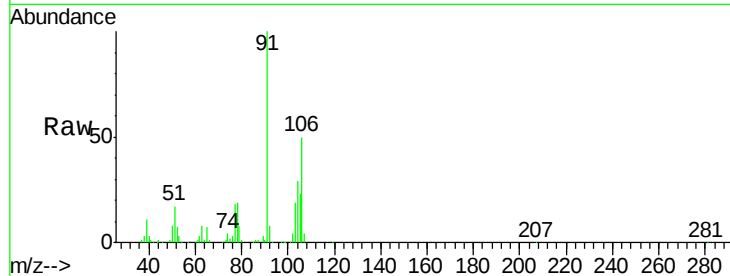
#69
o-Xylene
Concen: 20.584 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.1	105.7	317.1

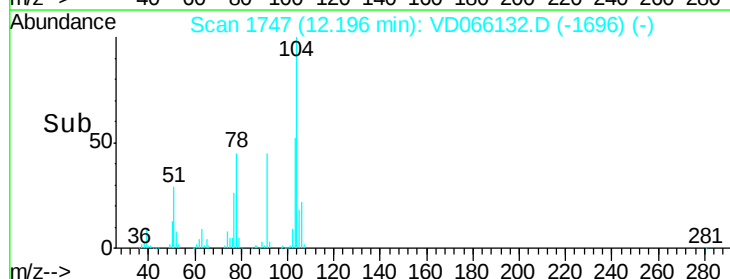
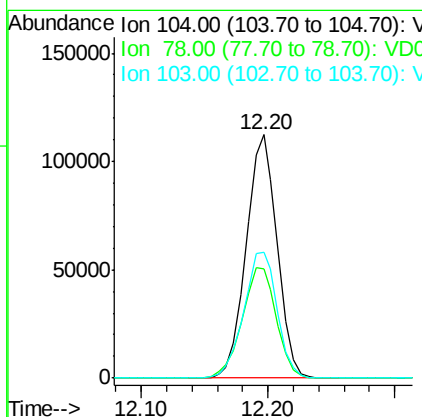
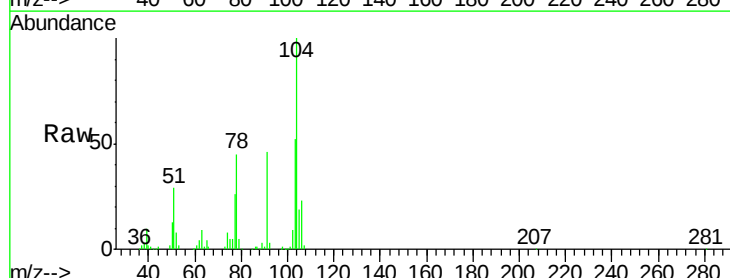
Manual Integrations
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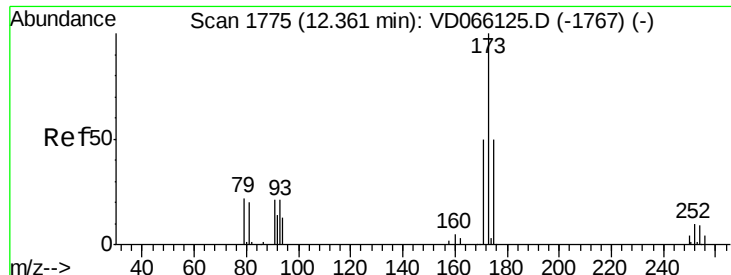
MMDadoda
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#70
Styrene
Concen: 19.967 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	38.6	58.0
103	56.1	44.1	66.1





#71

Bromoform

Concen: 19.123 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion:173 Resp: 39416

Ion Ratio Lower Upper

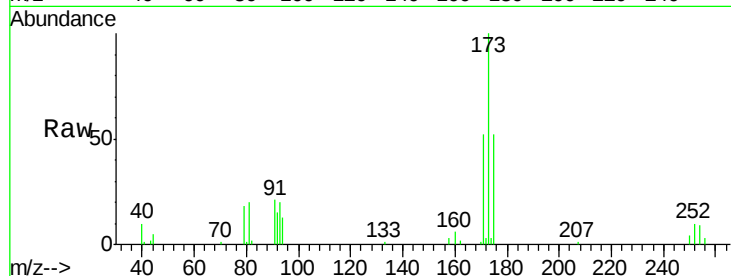
173 100

175 50.3 24.6 73.6

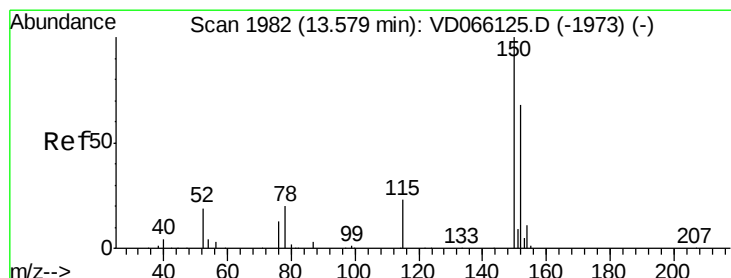
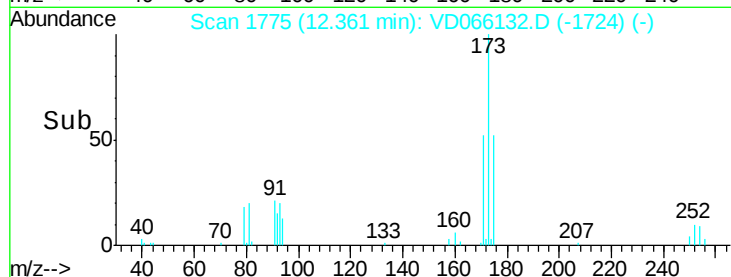
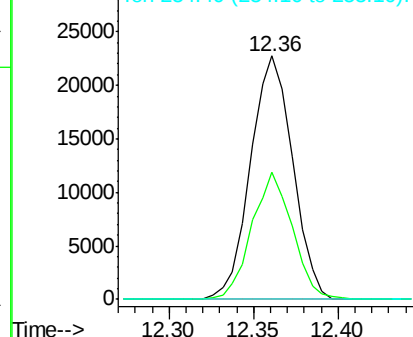
254 0.0 0.2 0.2#

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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: VD066132.D

Acq: 06 Aug 2020 14:07

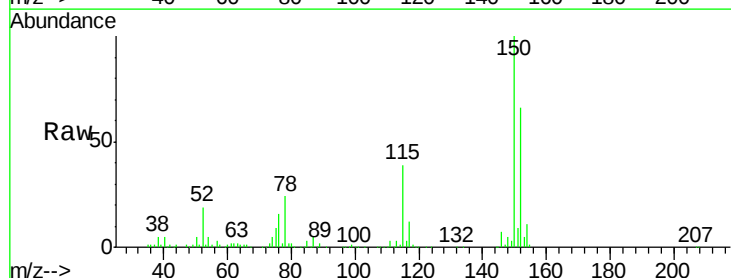
Tgt Ion:152 Resp: 232544

Ion Ratio Lower Upper

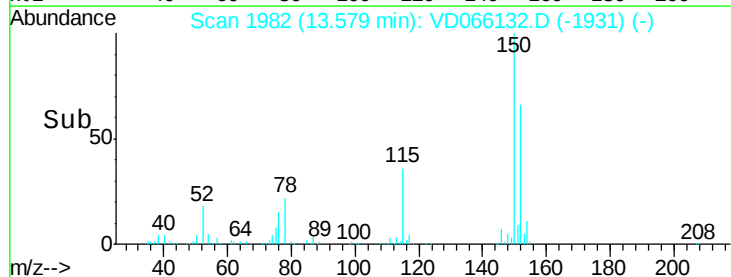
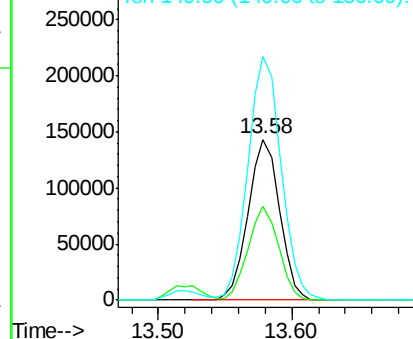
152 100

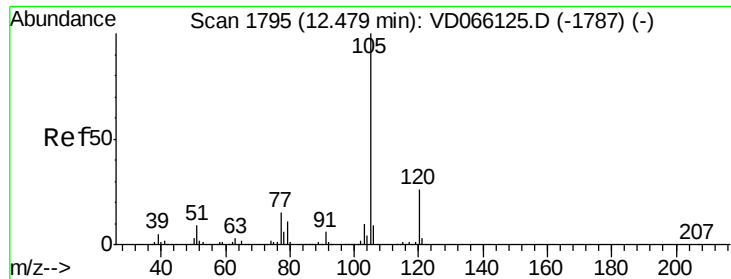
115 56.9 28.0 83.9

150 160.6 0.0 346.4



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





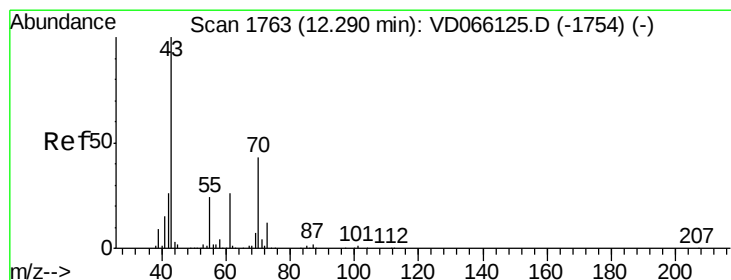
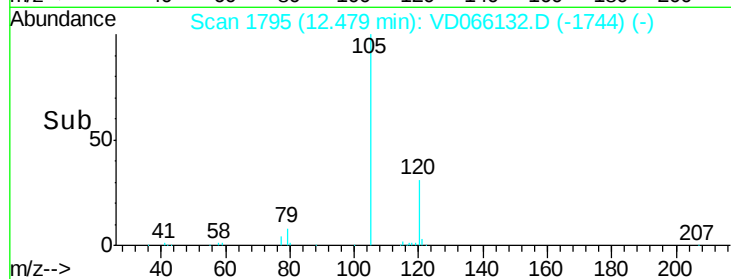
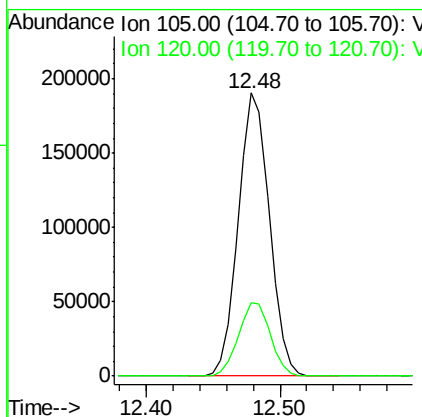
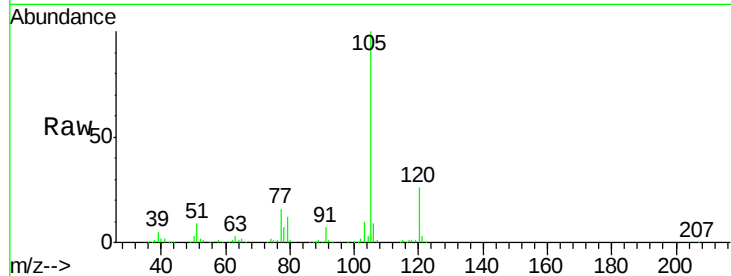
#73
Isopropylbenzene
Concen: 19.747 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	306525		
120	26.7	13.3	39.9	

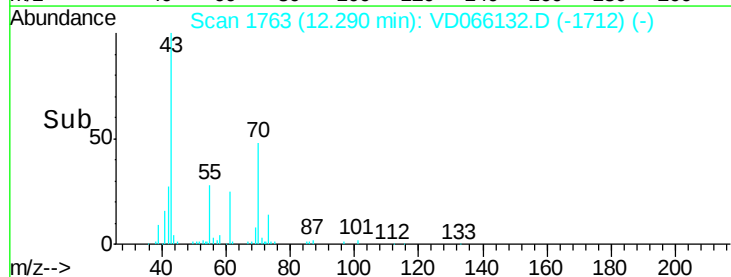
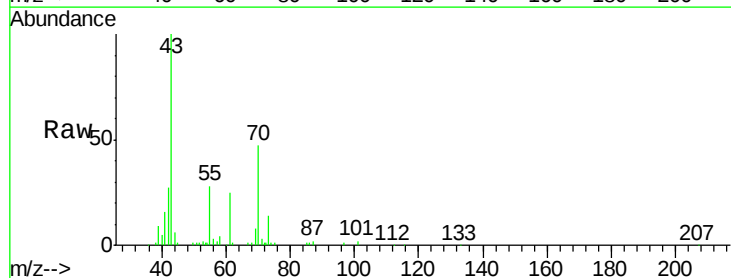
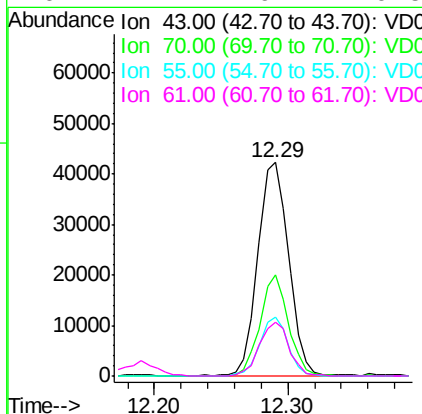
Manual Integrations
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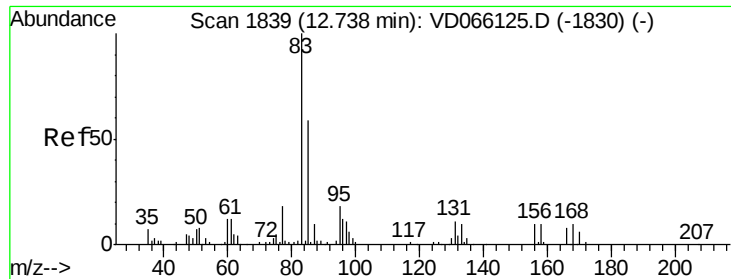
MMDadoda
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#74
N-ethyl acetate
Concen: 19.803 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	67691		
70	43.3	34.9	52.3	
55	25.3	19.2	28.8	
61	24.2	19.7	29.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.045 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

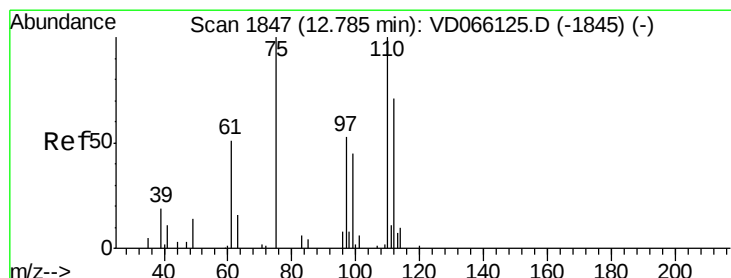
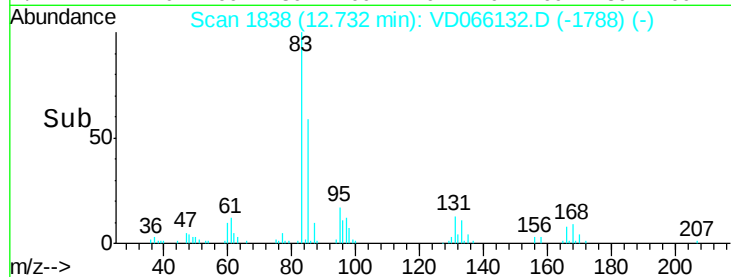
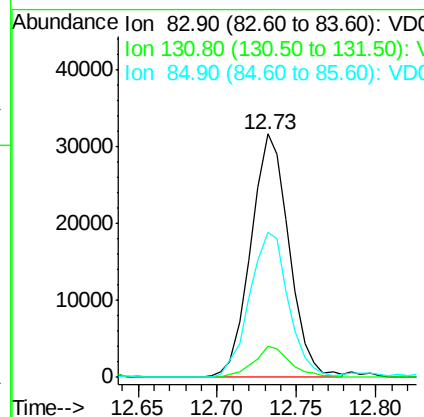
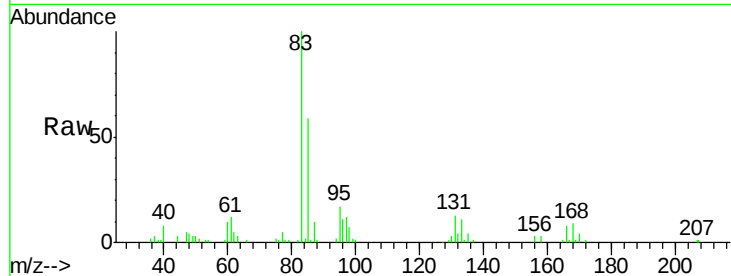
ClientSampleId :

VD0806SBS01

Tot Ion:	83	Resp:	53056
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.2	18.6
85	60.6	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 17.839 ug/l m

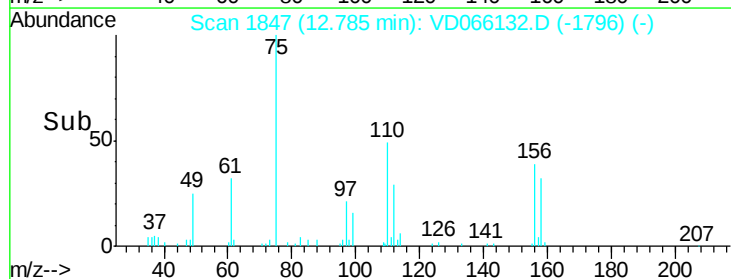
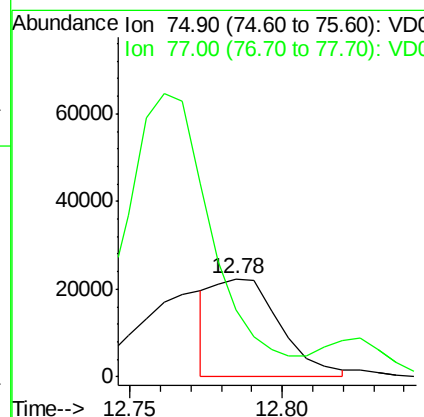
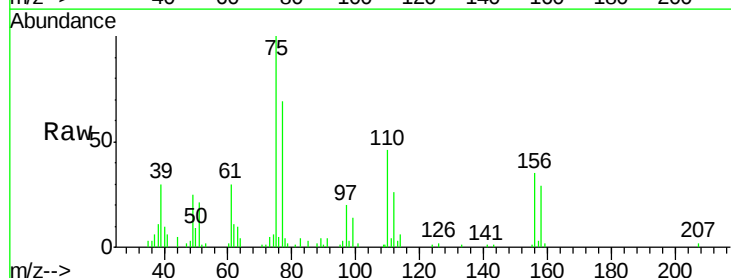
RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Tgt Ion:	75	Resp:	34594
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.473 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

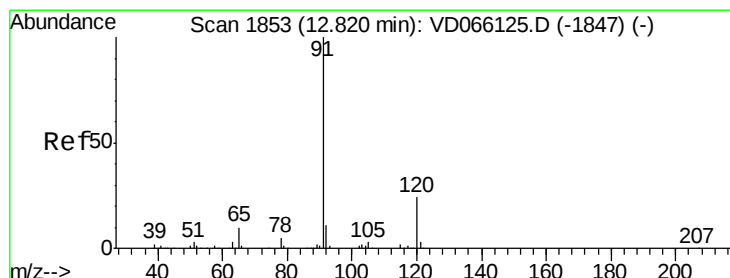
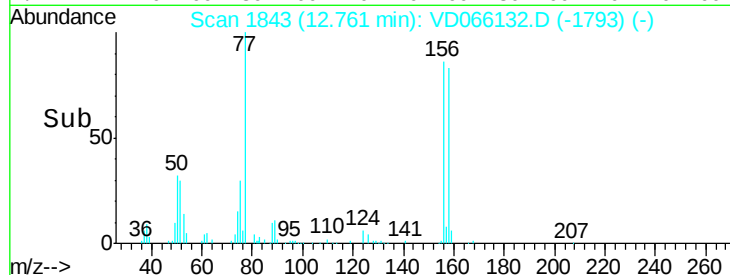
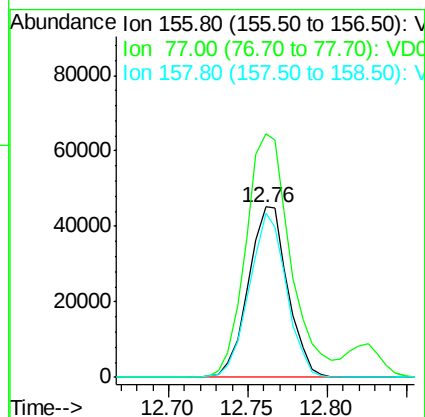
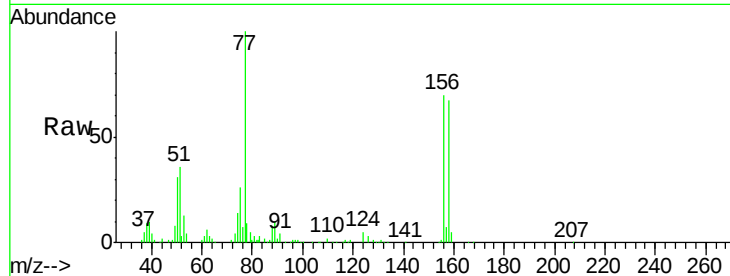
ClientSampleId :

VD0806SBS01

Tot Ion:	156	Resp:	77813
Ion	Ratio	Lower	Upper
156	100		
77	162.0	81.0	243.1
158	91.1	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.834 ug/l

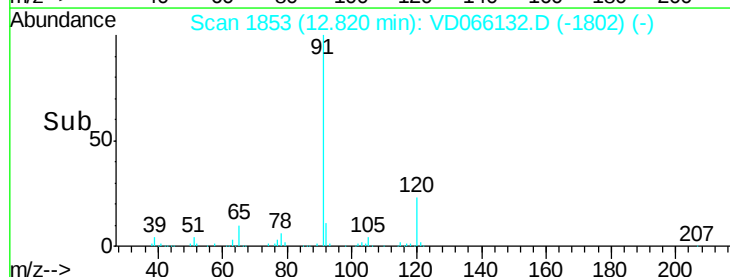
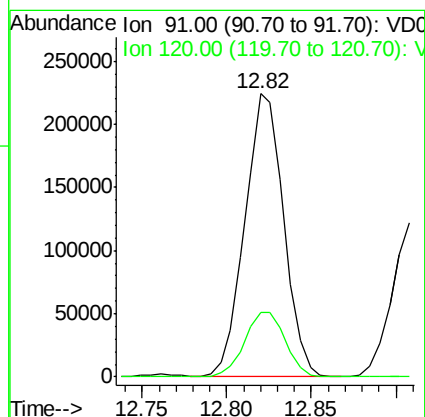
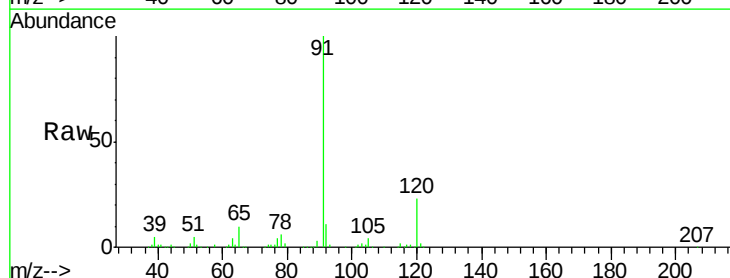
RT: 12.82 min Scan# 1853

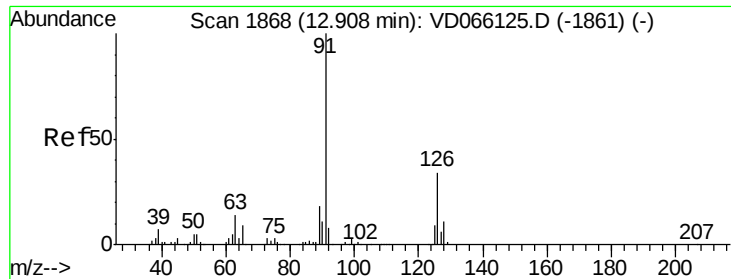
Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Tgt Ion:	91	Resp:	357894
Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 19.539 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 91 Resp: 201641

Ion Ratio Lower Upper

91 100

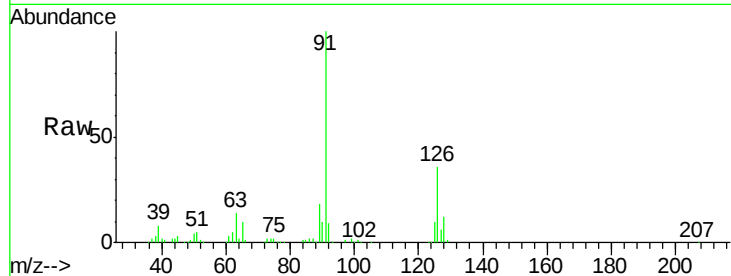
126 35.4 17.5 52.6

Manual Integrations

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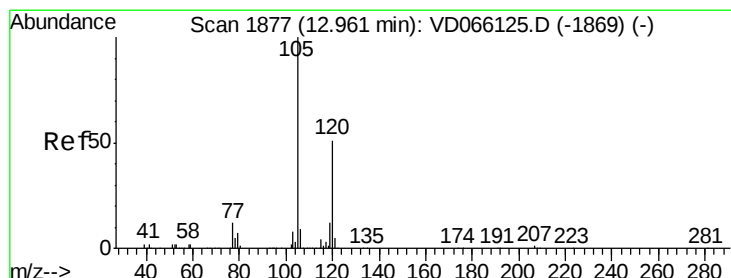
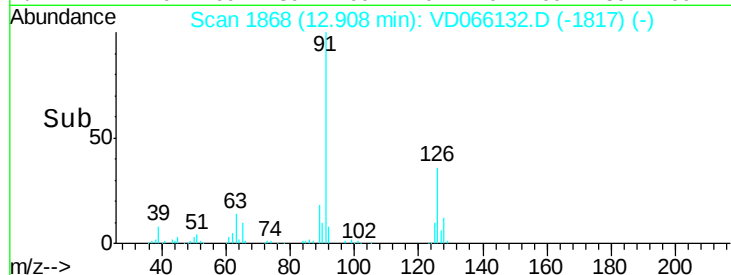
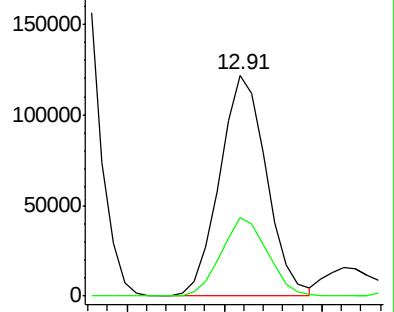
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Abundance Ion 91.00 (90.70 to 91.70): VD066132.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066132.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.695 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066132.D

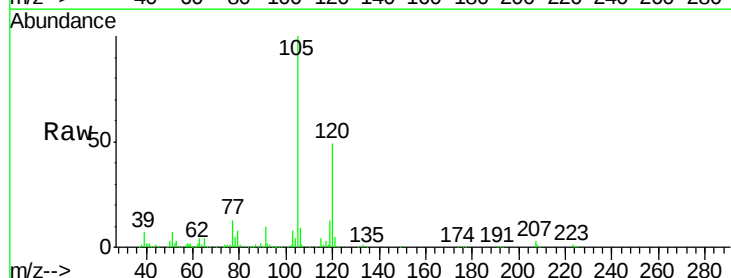
Acq: 06 Aug 2020 14:07

Tgt Ion: 105 Resp: 255675

Ion Ratio Lower Upper

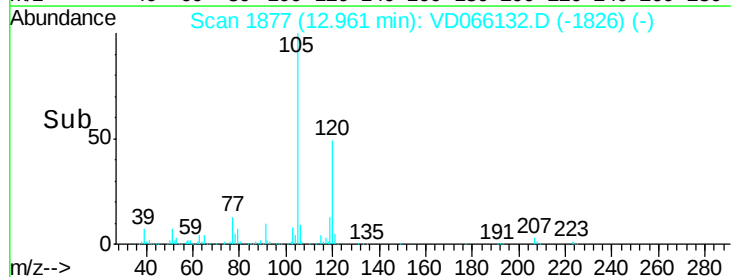
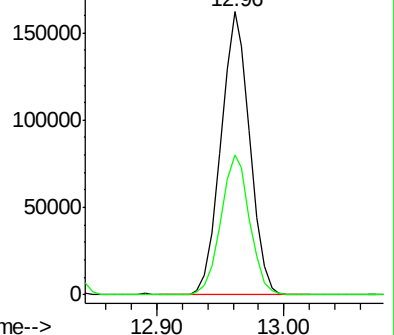
105 100

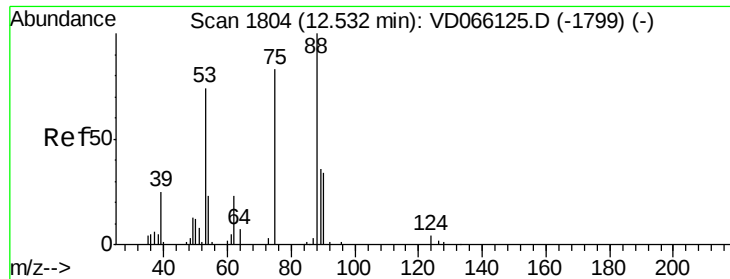
120 49.4 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066132.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066132.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.872 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

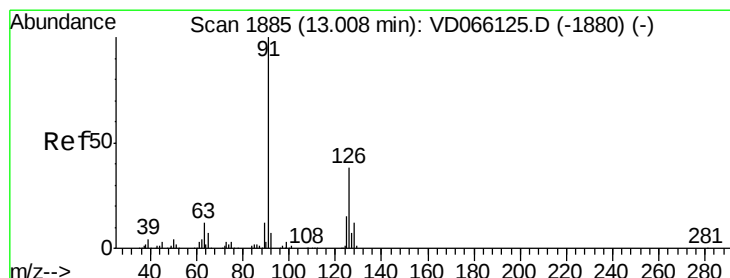
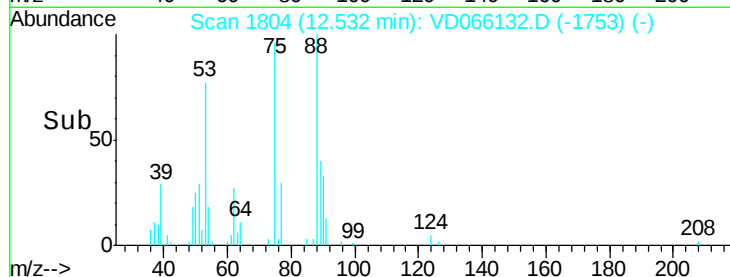
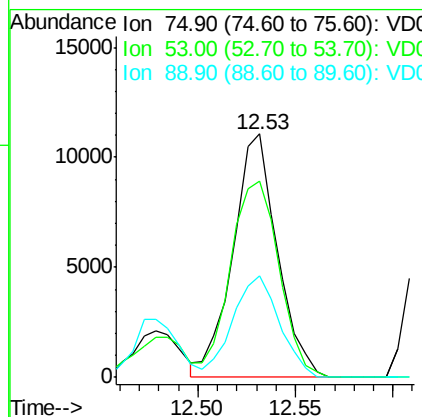
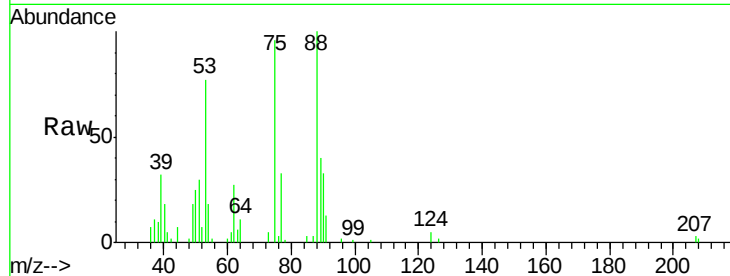
ClientSampleId :

VD0806SBS01

Tot Ion:	75	Resp:	17433
Ion	Ratio	Lower	Upper
75	100		
53	89.0	73.4	110.2
89	43.8	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.477 ug/l

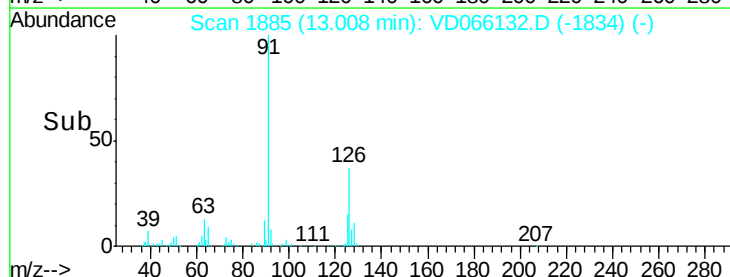
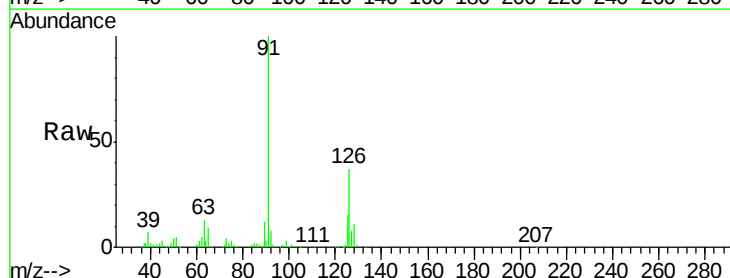
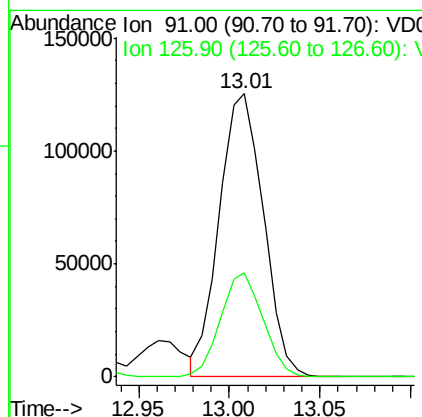
RT: 13.01 min Scan# 1885

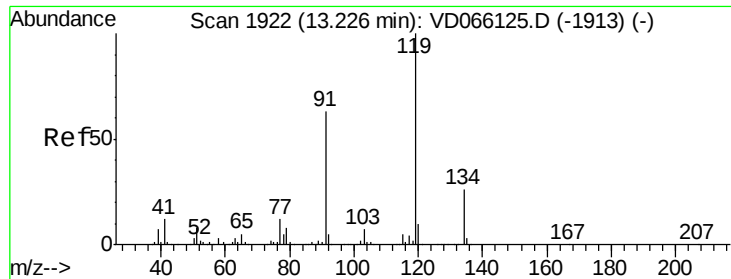
Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Tgt Ion:	91	Resp:	212185
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.3





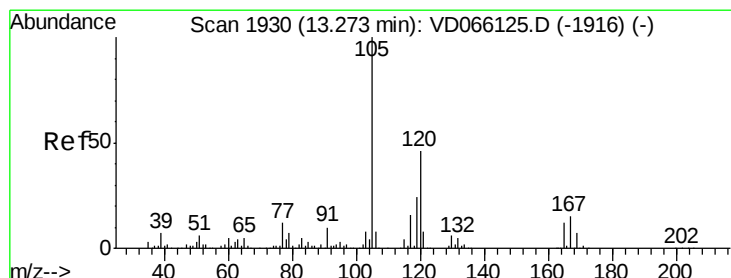
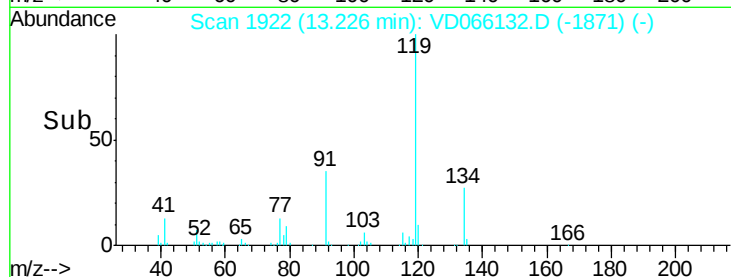
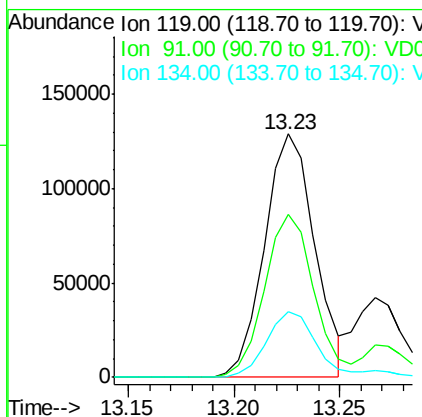
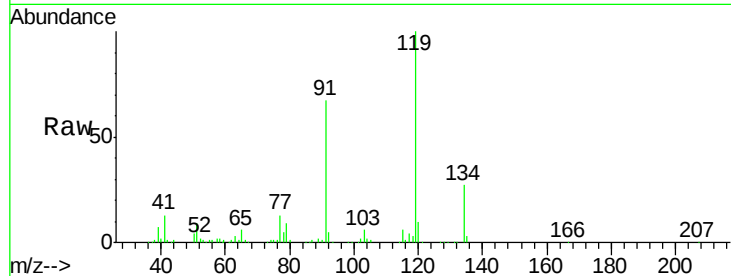
#83
 tert-Butylbenzene
 Concen: 18.674 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	213199		
91	66.1	30.8	92.4	
134	28.4	13.6	40.8	

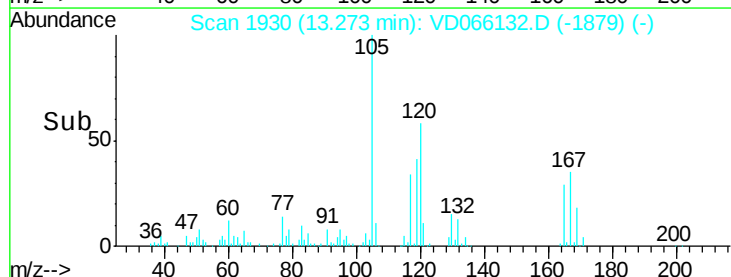
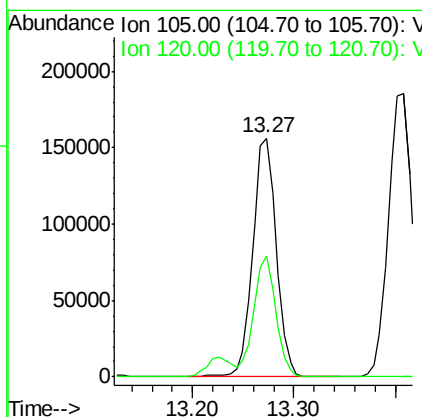
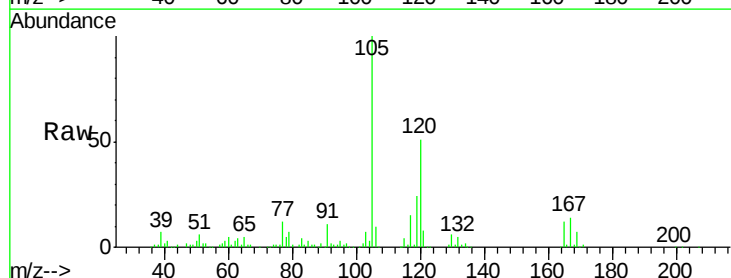
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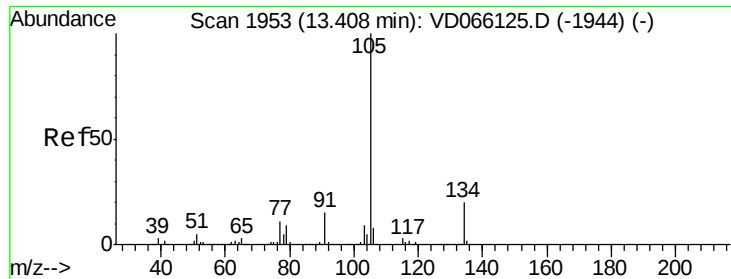
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.408 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252142		
120	47.5	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.703 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion:105 Resp: 303702

Ion Ratio Lower Upper

105 100

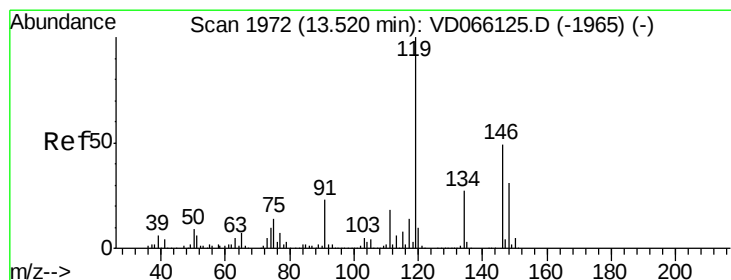
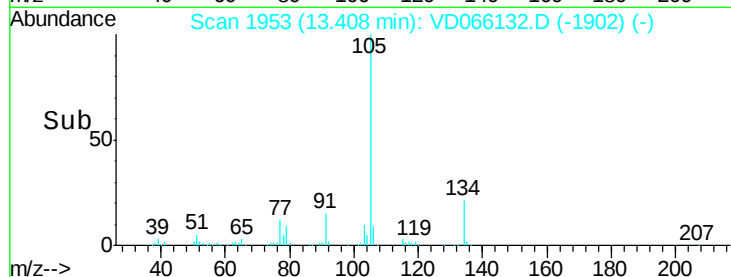
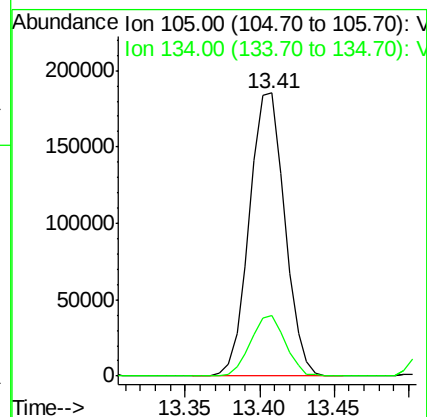
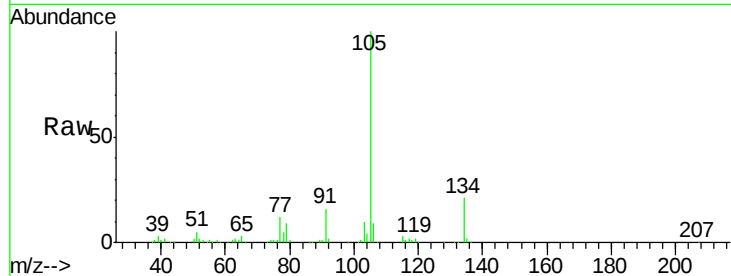
134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.949 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066132.D

Acq: 06 Aug 2020 14:07

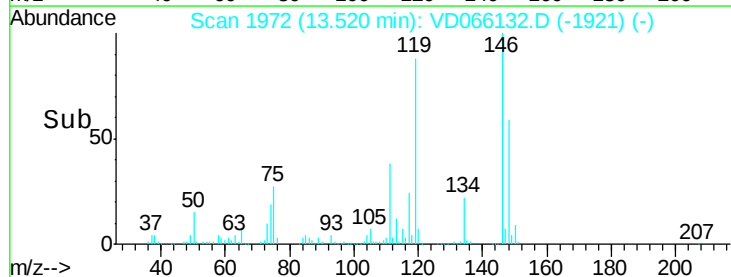
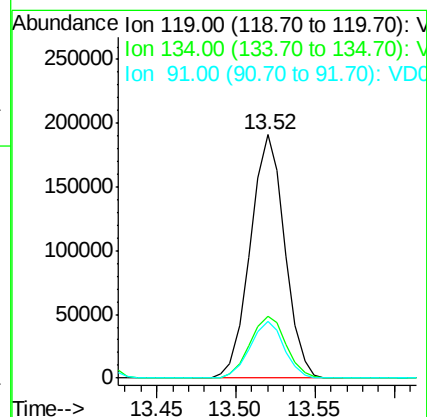
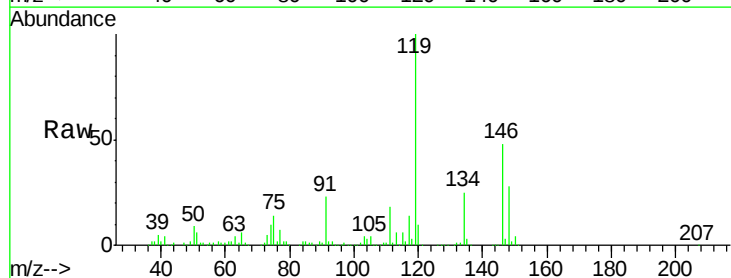
Tgt Ion:119 Resp: 288410

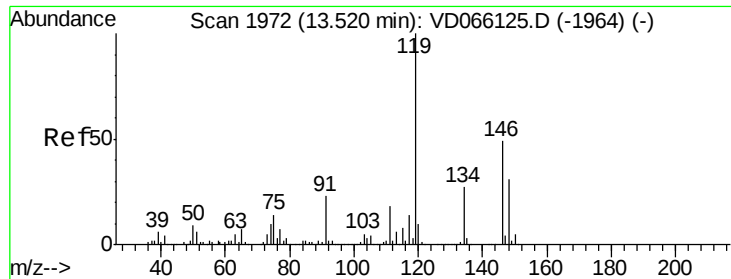
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 23.1 11.2 33.5





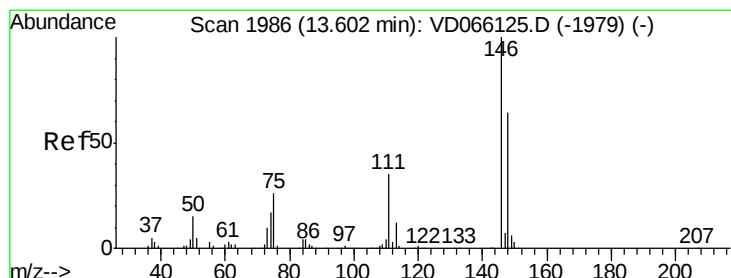
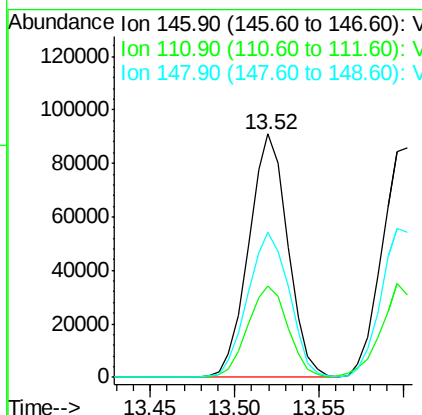
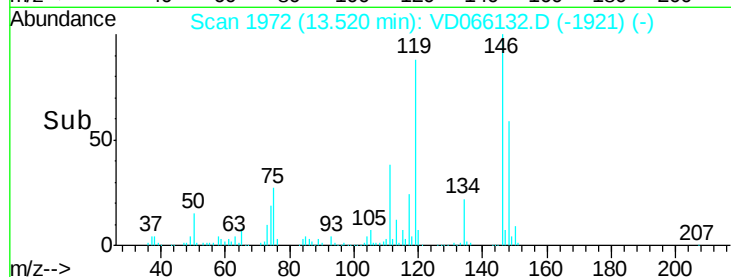
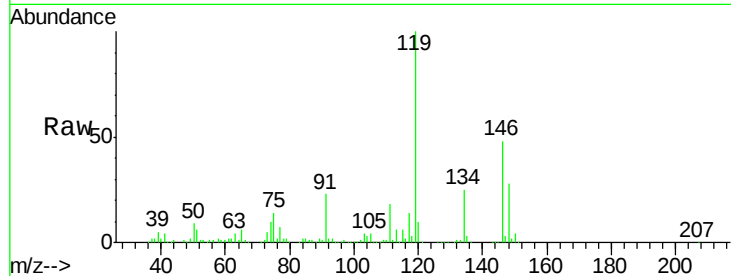
#87
 1,3-Dichlorobenzene
 Concen: 19.510 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	146519		
111	38.8		18.9	56.9
148	63.3		31.8	95.3

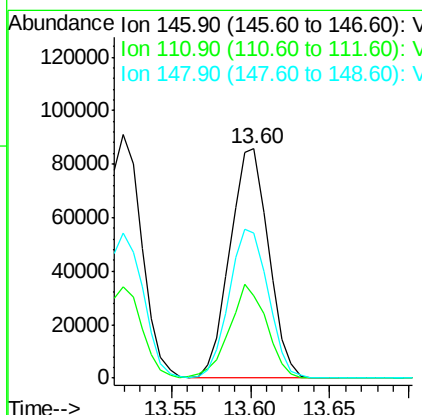
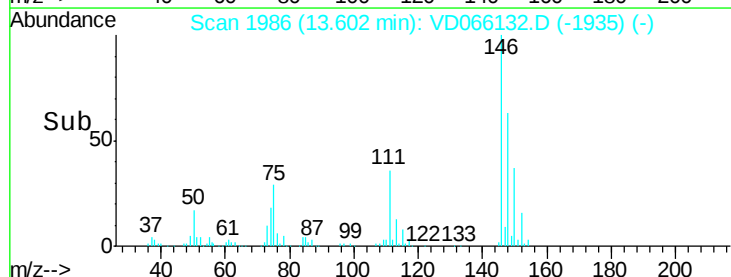
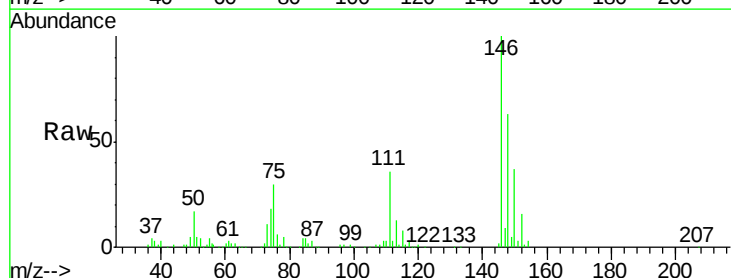
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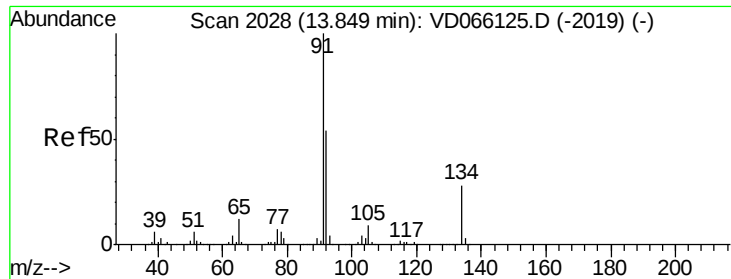
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#88
 1,4-Dichlorobenzene
 Concen: 19.421 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	145458		
111	39.4		18.6	55.8
148	65.7		32.4	97.0





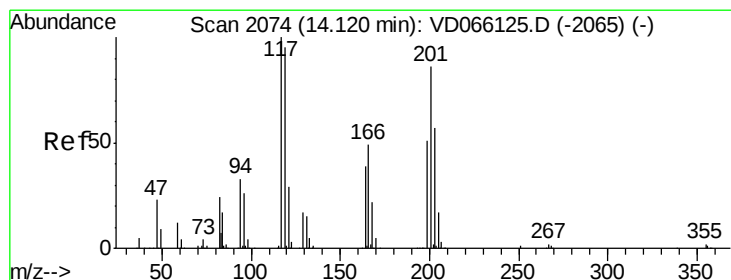
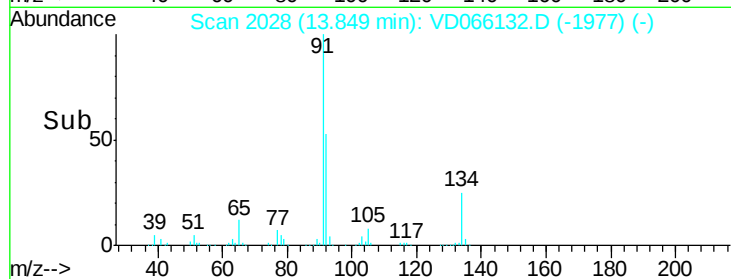
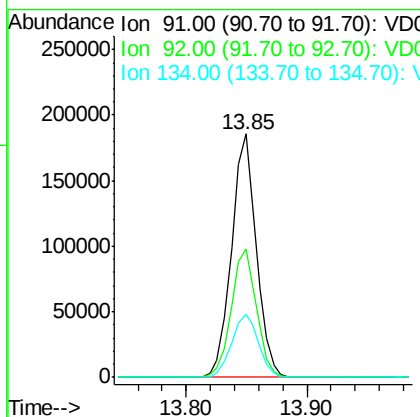
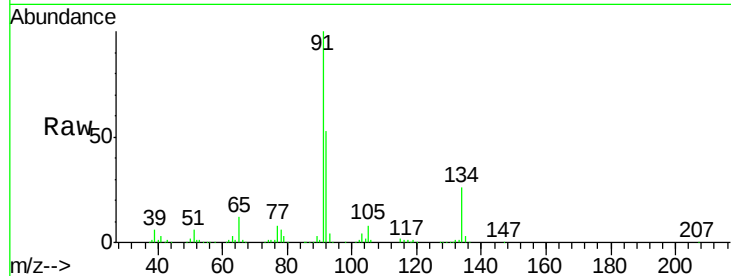
#89
n-Butylbenzene
Concen: 20.407 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	264330		
92	53.6	26.8	80.3	
134	27.8	14.0	41.9	

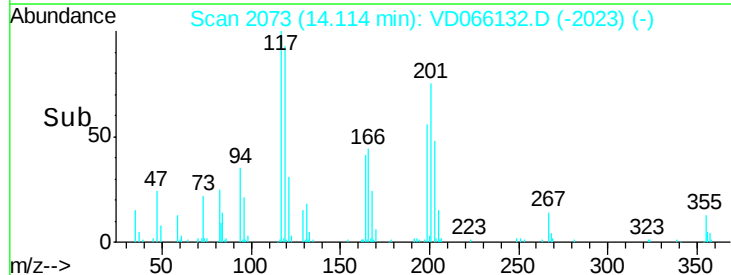
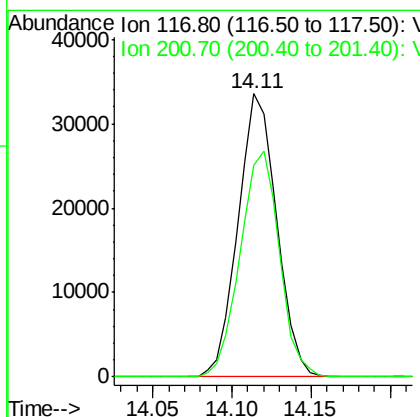
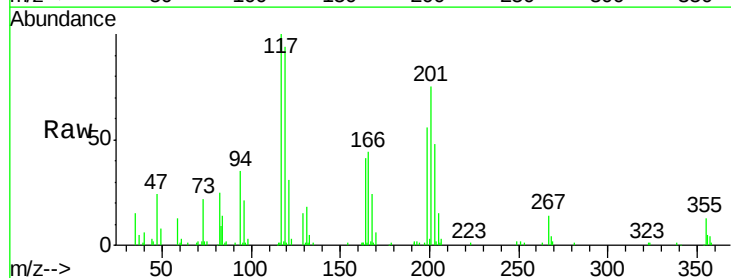
Manual Integrations
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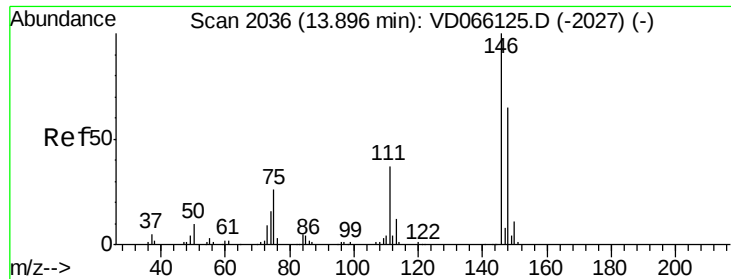
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#90
Hexachloroethane
Concen: 19.718 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	56853		
201	80.8	42.7	128.1	





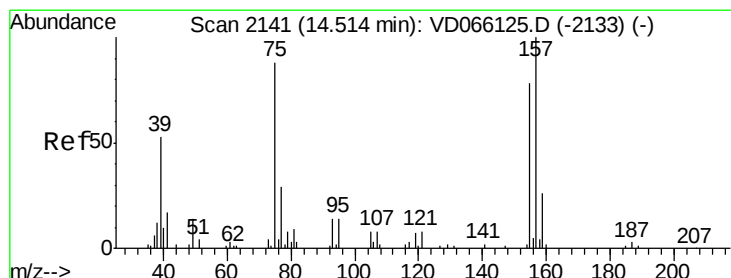
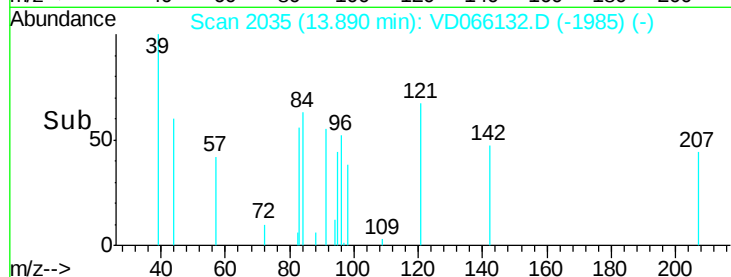
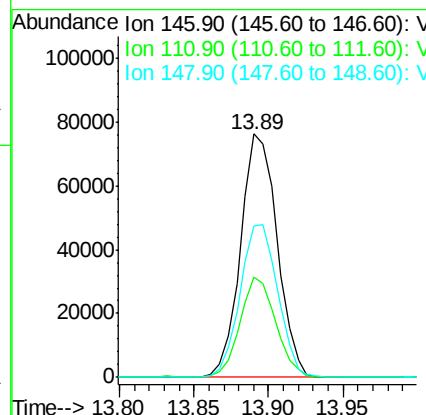
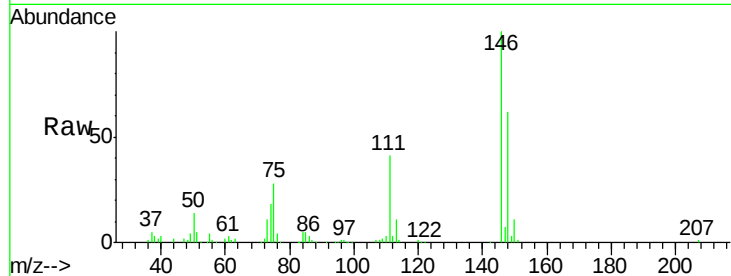
#91
 1,2-Dichlorobenzene
 Concen: 19.507 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	18.8	56.3
148	64.8	31.9	95.5

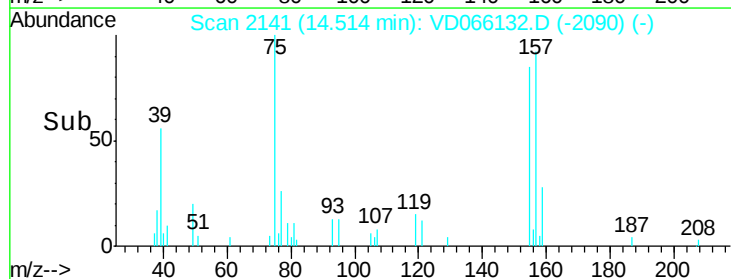
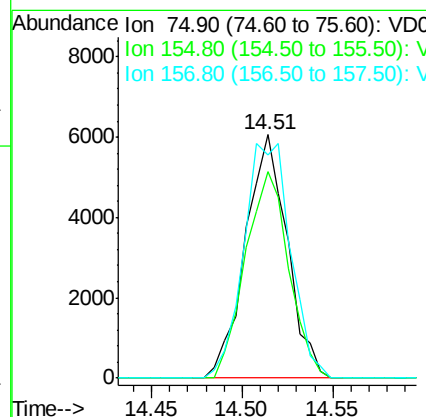
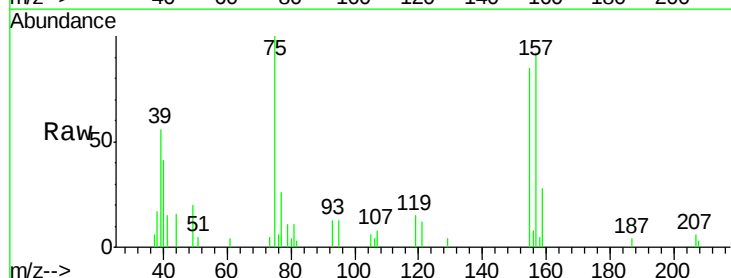
Manual Integrations
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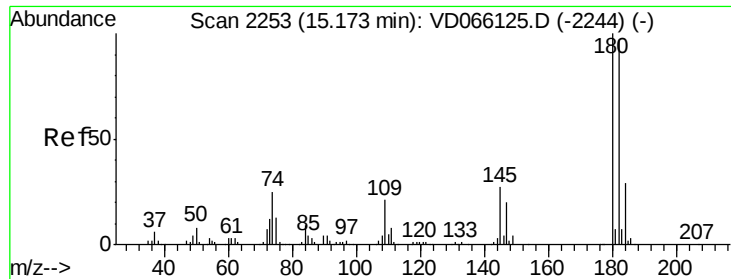
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.404 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	47.7	143.1
157	107.9	62.1	186.2





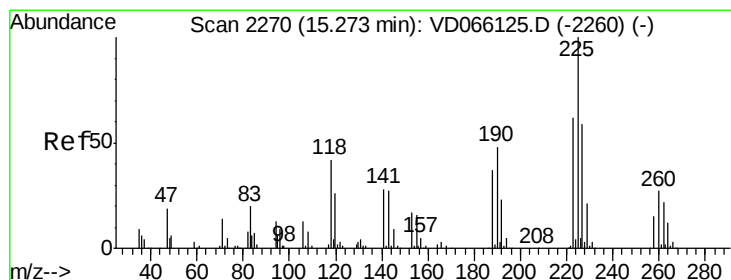
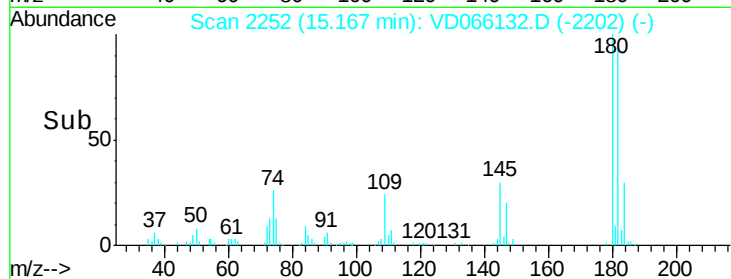
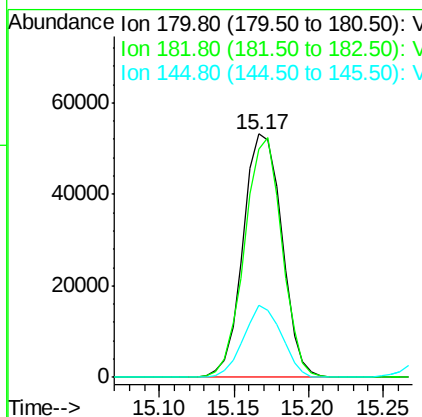
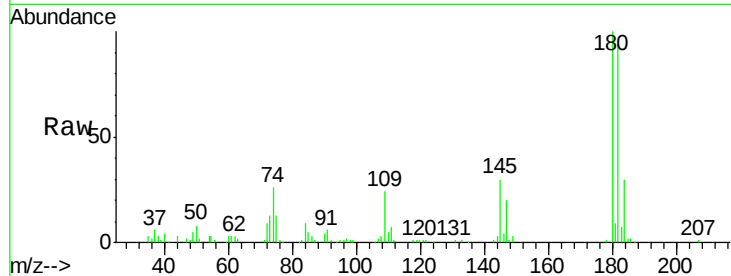
#93
 1,2,4-Trichlorobenzene
 Concen: 19.553 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	29.2	14.5	43.6

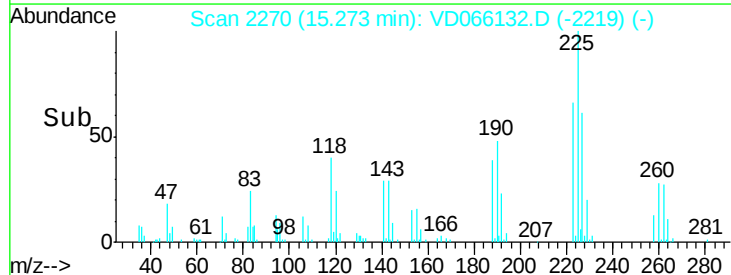
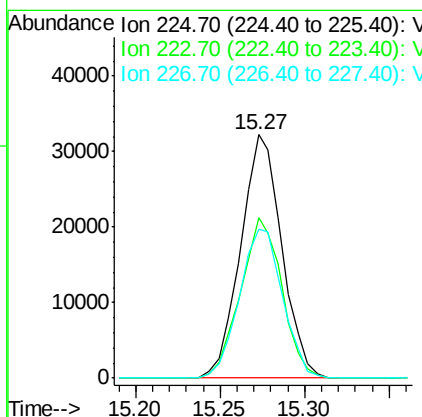
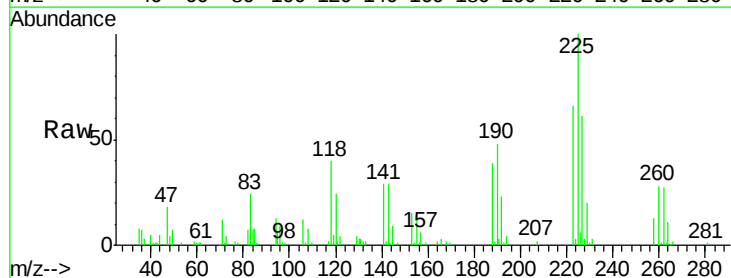
Manual Integrations
 APPROVED

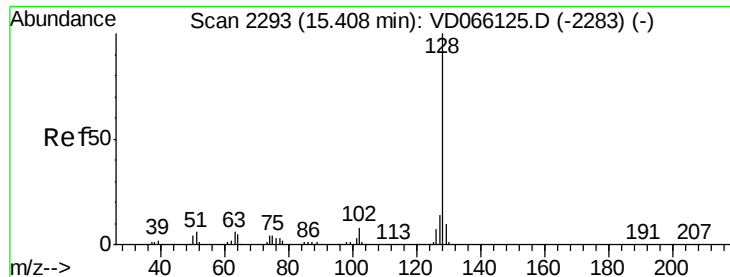
MMDadoda
 8/7/2020 12:48:30 PM



#94
 Hexachlorobutadiene
 Concen: 18.893 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066132.D
 Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	32.3	96.9
227	64.5	32.1	96.5





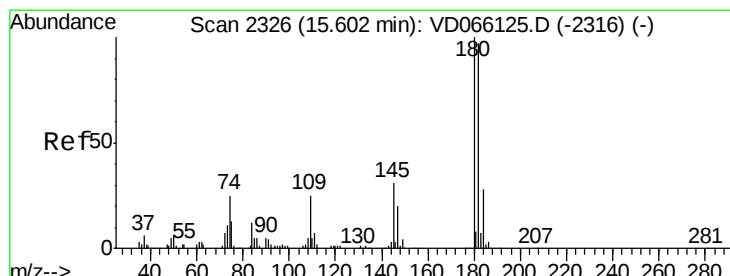
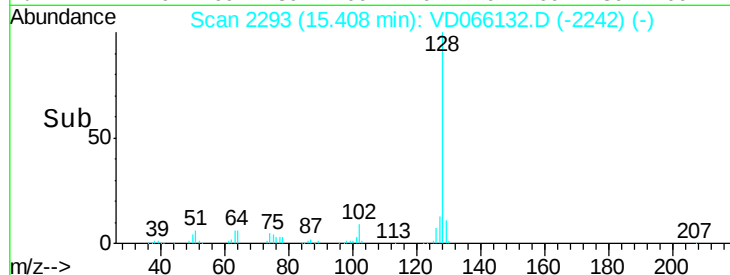
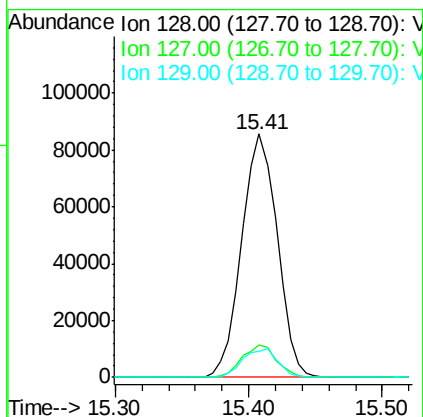
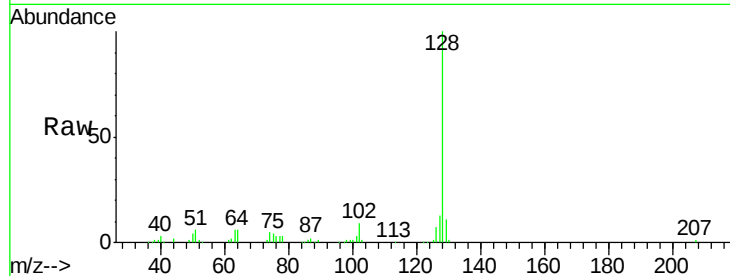
#95
Naphthalene
Concen: 19.780 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.4
129	11.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.663 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066132.D
Acq: 06 Aug 2020 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.1	141.4
145	33.3	14.9	44.9

