

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065612.D
 Acq On : 09 Apr 2020 15:25
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:55 PM

Quant Time: Apr 10 01:46:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	517518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	700456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	651203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	220795	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
35) Dibromofluoromethane	7.91	113	232974	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
50) Toluene-d8	10.34	98	891323	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.64	95	283912	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	228810	49.031	ug/l	98
3) Chloromethane	2.21	50	264174	45.522	ug/l	99
4) Vinyl Chloride	2.35	62	254058	46.824	ug/l	98
5) Bromomethane	2.77	94	162613	42.496	ug/l	95
6) Chloroethane	2.92	64	156795	46.925	ug/l	95
7) Trichlorofluoromethane	3.27	101	386173	46.925	ug/l	94
8) Diethyl Ether	3.71	74	91711	53.938	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	256980	47.769	ug/l	99
10) Methyl Iodide	4.30	142	276322	46.065	ug/l	98
11) Tert butyl alcohol	5.25	59	67870	274.681	ug/l	97
12) 1,1-Dichloroethene	4.06	96	235068	47.376	ug/l	99
13) Acrolein	3.92	56	93902	273.787	ug/l	96
14) Allyl chloride	4.71	41	353644	48.049	ug/l	99
15) Acrylonitrile	5.43	53	233482	232.858	ug/l	99
16) Acetone	4.17	43	258528	292.513	ug/l	99
17) Carbon Disulfide	4.40	76	771281	46.718	ug/l	99
18) Methyl Acetate	4.72	43	119125	45.920	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	473675	49.382	ug/l	97
20) Methylene Chloride	4.96	84	249764	42.750	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	269799	47.910	ug/l	94
22) Diisopropyl ether	6.36	45	698990	49.408	ug/l	98
23) Vinyl Acetate	6.31	43	1920653	256.601	ug/l	100
24) 1,1-Dichloroethane	6.26	63	433707	46.079	ug/l	100
25) 2-Butanone	7.22	43	312476	258.304	ug/l	97
26) 2,2-Dichloropropane	7.21	77	406061	48.208	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	276667	48.004	ug/l	100
28) Bromochloromethane	7.54	49	172175	45.577	ug/l	99
29) Tetrahydrofuran	7.57	42	187400	246.517	ug/l	99
30) Chloroform	7.71	83	448518	45.510	ug/l	98
31) Cyclohexane	7.99	56	419911	48.093	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	418740	47.015	ug/l	99
36) 1,1-Dichloropropene	8.11	75	369950	51.300	ug/l	98
37) Ethyl Acetate	7.30	43	133016	49.678	ug/l	100
38) Carbon Tetrachloride	8.10	117	389381	49.727	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	449044	55.006	ug/l	97
40) Benzene	8.35	78	1019779	49.494	ug/l	99
41) Methacrylonitrile	7.53	41	68312m	45.090	ug/l	
42) 1,2-Dichloroethane	8.43	62	275550	47.880	ug/l	100
43) Isopropyl Acetate	8.46	43	248850	50.940	ug/l	100
44) Trichloroethene	9.11	130	289288	48.852	ug/l	93
45) 1,2-Dichloropropane	9.39	63	246551	49.142	ug/l	97
46) Dibromomethane	9.48	93	127870	47.416	ug/l	99
47) Bromodichloromethane	9.67	83	338249	47.831	ug/l	99
48) Methyl methacrylate	9.46	41	119867	52.904	ug/l	98
49) 1,4-Dioxane	9.47	88	29075	1018.016	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	662568	263.182	ug/l	100
52) Toluene	10.41	92	660306	50.686	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	317052	50.512	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	385003	50.096	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	176714	46.696	ug/l	98
56) Ethyl methacrylate	10.67	69	206388	46.018	ug/l	98
57) 1,3-Dichloropropane	10.95	76	298730	47.658	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	515654	257.262	ug/l	99
59) 2-Hexanone	10.99	43	472264	282.268	ug/l	100
60) Dibromochloromethane	11.14	129	240199	47.657	ug/l	98
61) 1,2-Dibromoethane	11.25	107	173473	48.222	ug/l	99
64) Tetrachloroethene	10.88	164	256509	49.522	ug/l	98
65) Chlorobenzene	11.67	112	689903	48.918	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	264306	49.196	ug/l	99
67) Ethyl Benzene	11.75	91	1232116	52.907	ug/l	99
68) m/p-Xylenes	11.86	106	970621	105.642	ug/l	99
69) o-Xylene	12.18	106	422376	53.349	ug/l	100
70) Styrene	12.20	104	755177	53.952	ug/l	99
71) Bromoform	12.37	173	142611	47.330	ug/l #	100
73) Isopropylbenzene	12.48	105	1179498	56.412	ug/l	100
74) N-amyl acetate	12.30	43	222485	47.111	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	183343	47.702	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	128245m	48.729	ug/l	
77) Bromobenzene	12.77	156	289237	50.459	ug/l	99
78) n-propylbenzene	12.83	91	1400431	55.498	ug/l	100
79) 2-Chlorotoluene	12.91	91	771599	53.354	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	980196	55.622	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	62764	55.241	ug/l	100
82) 4-Chlorotoluene	13.01	91	817096	52.493	ug/l	99
83) tert-Butylbenzene	13.23	119	825205	56.001	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	977932	55.843	ug/l	99
85) sec-Butylbenzene	13.41	105	1172924	55.939	ug/l	100
86) p-Isopropyltoluene	13.53	119	1096816	56.684	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	560727	50.727	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	542656	49.151	ug/l	100
89) n-Butylbenzene	13.86	91	992895	56.859	ug/l	99
90) Hexachloroethane	14.13	117	213585	50.600	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	470731	50.056	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28505	48.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	324927	52.602	ug/l	100
94) Hexachlorobutadiene	15.28	225	216400	50.401	ug/l	99
95) Naphthalene	15.42	128	503347	47.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	281400	52.628	ug/l	99

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

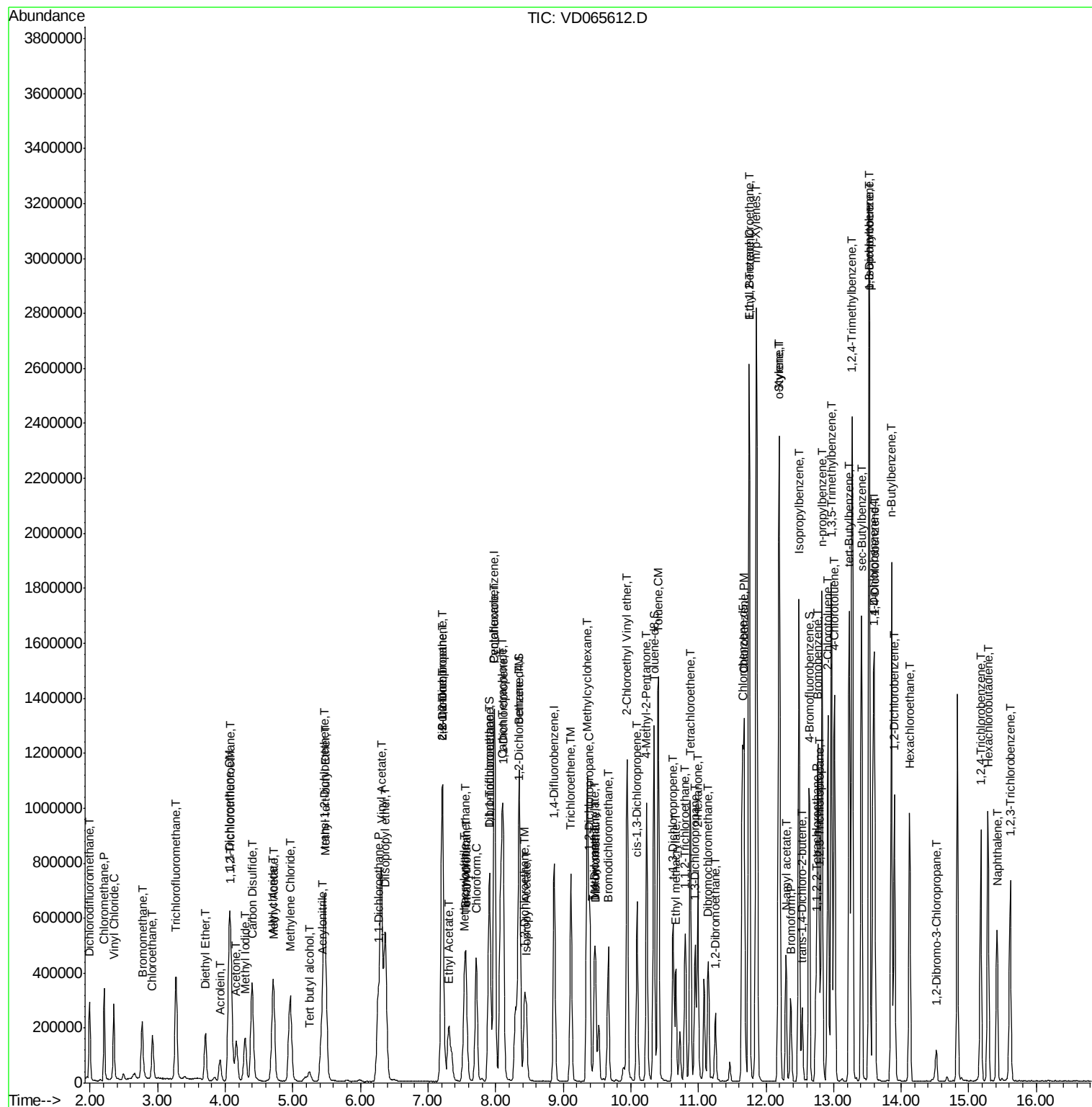
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040920\
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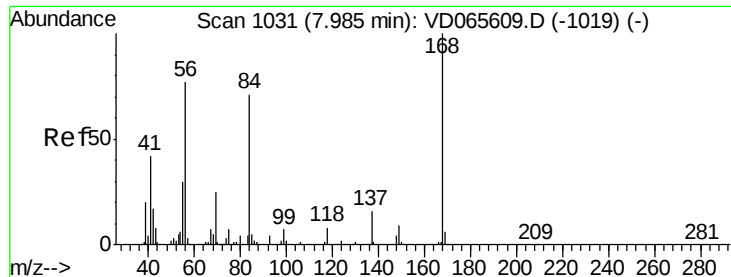
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

ICVVD040920

Tot Ion:168 Resp: 517518

Ion Ratio Lower Upper

168 100

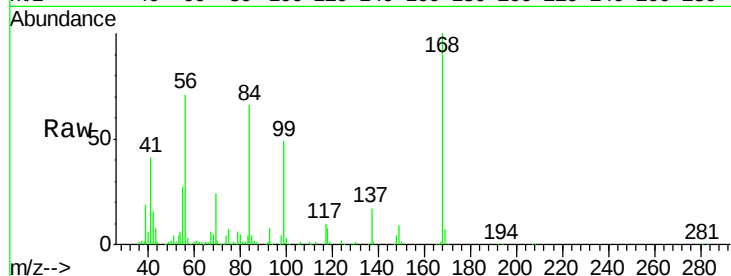
99 49.0 40.2 60.2

Manual Integrations

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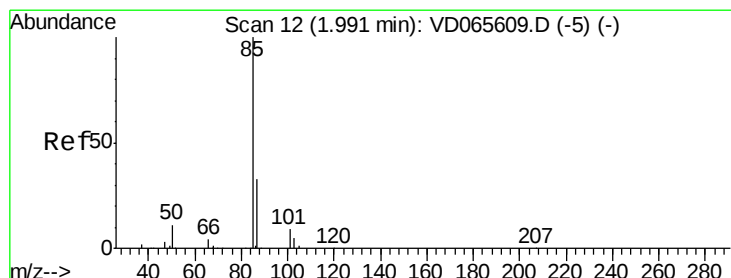
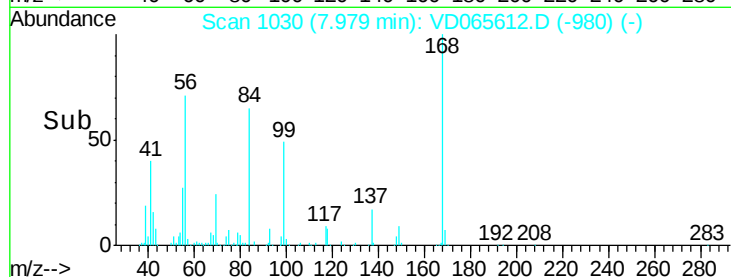
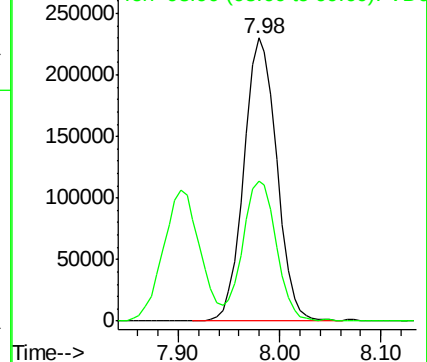
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.031 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065612.D

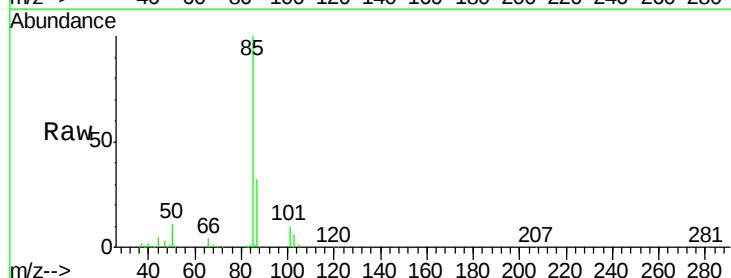
Acq: 09 Apr 2020 15:25

Tgt Ion: 85 Resp: 228810

Ion Ratio Lower Upper

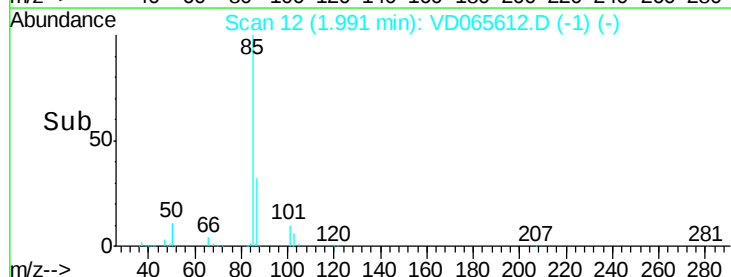
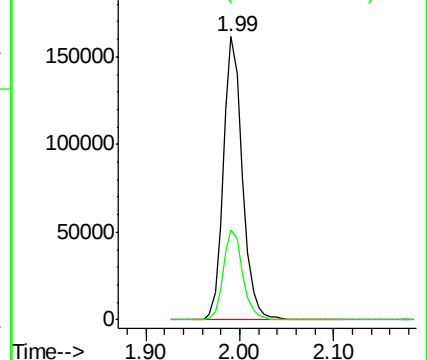
85 100

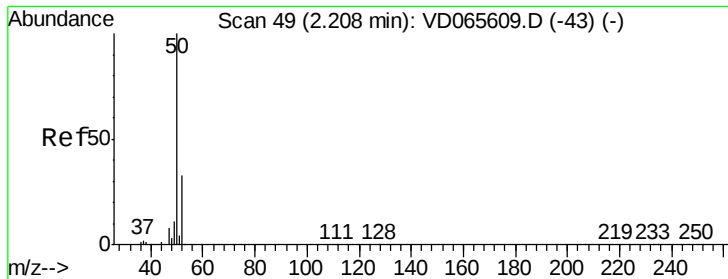
87 31.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.522 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

ICVVD040920

Tot Ion: 50 Resp: 264174

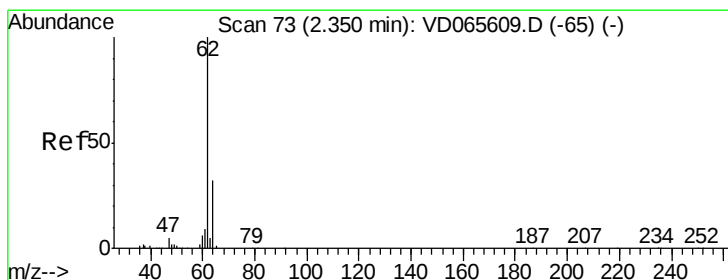
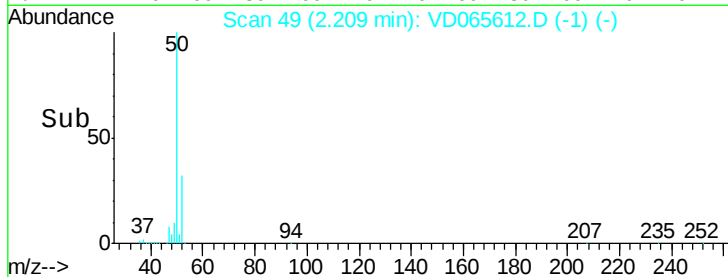
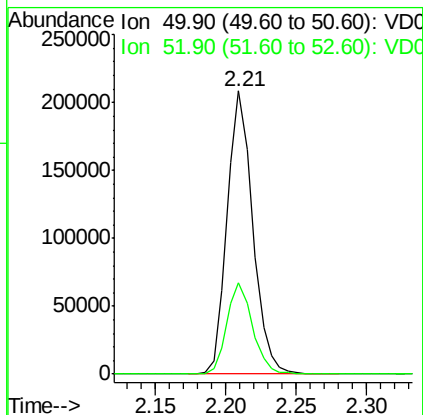
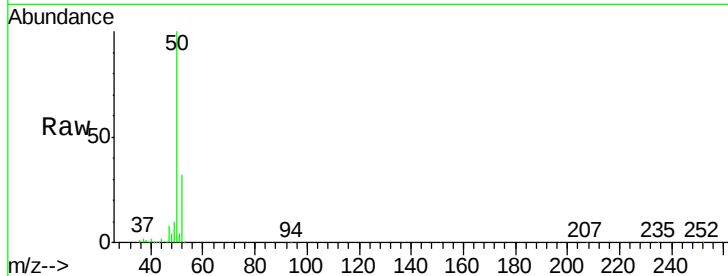
Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.824 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065612.D

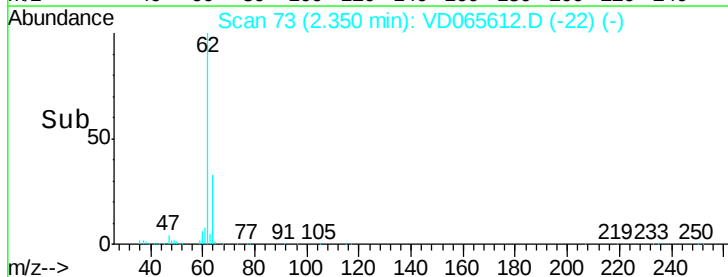
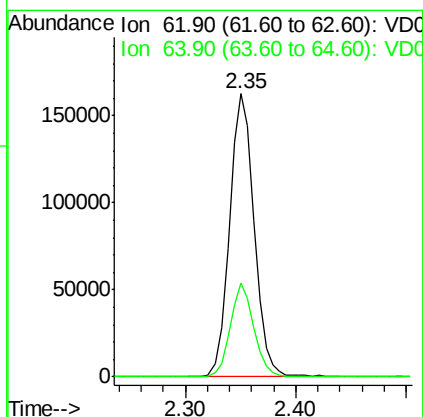
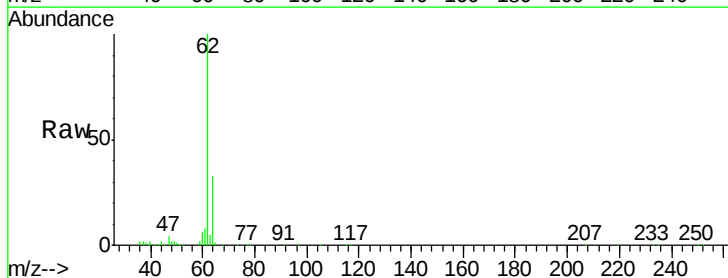
Acq: 09 Apr 2020 15:25

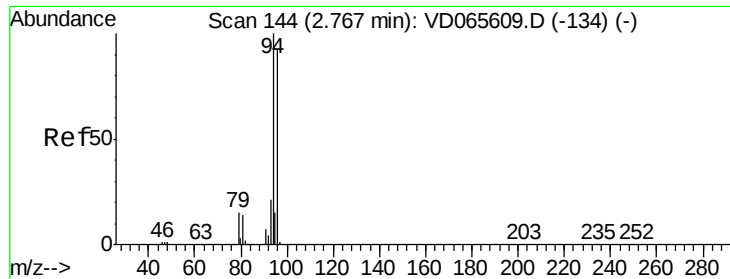
Tgt Ion: 62 Resp: 254058

Ion Ratio Lower Upper

62 100

64 33.2 25.8 38.6





#5

Bromomethane

Concen: 42.496 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

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ClientSampleId :

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Tot Ion: 94 Resp: 162613

Ion Ratio Lower Upper

94 100

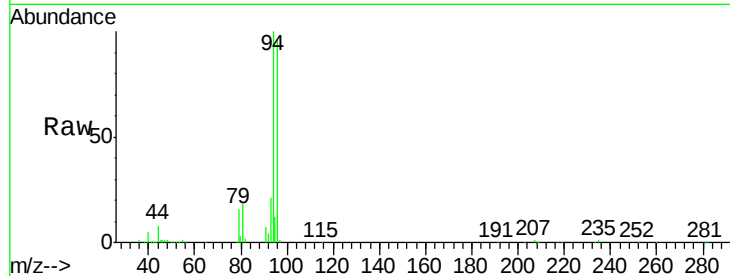
96 96.1 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

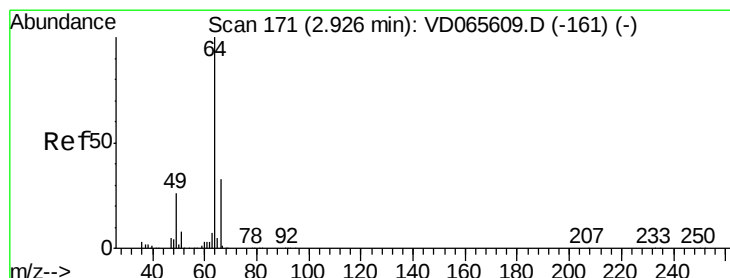
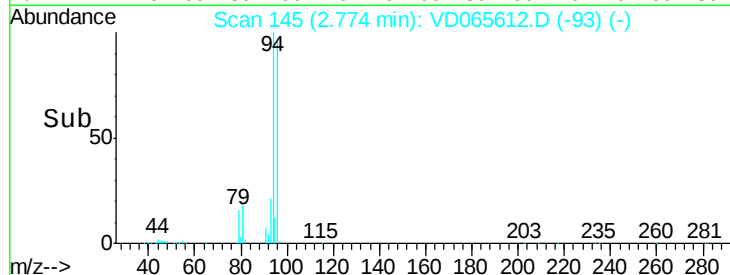
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.925 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065612.D

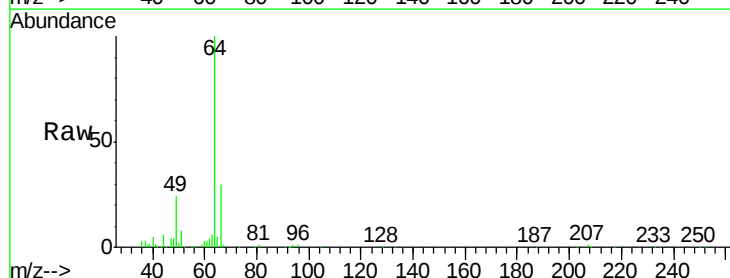
Acq: 09 Apr 2020 15:25

Tgt Ion: 64 Resp: 156795

Ion Ratio Lower Upper

64 100

66 30.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

80000

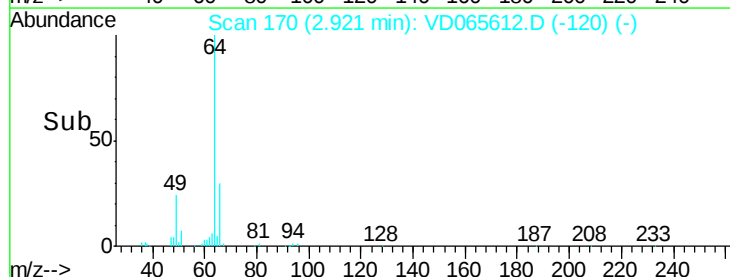
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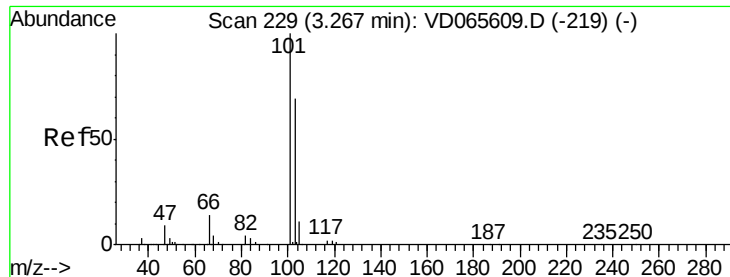
40000

20000

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Time-->





#7

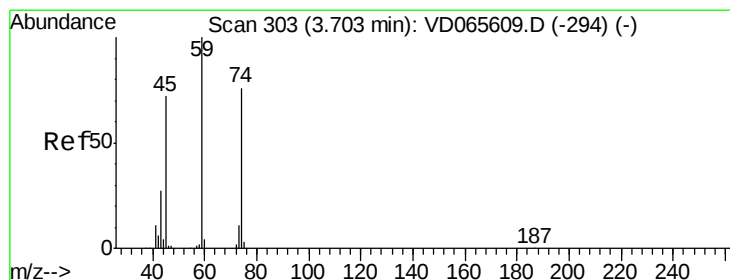
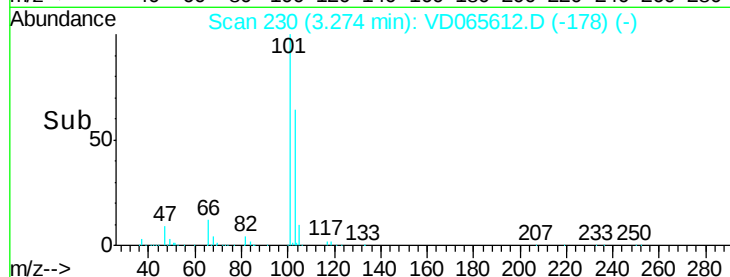
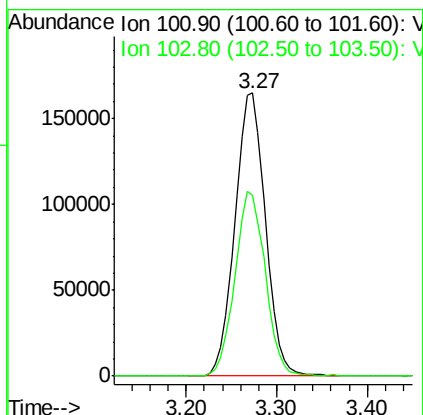
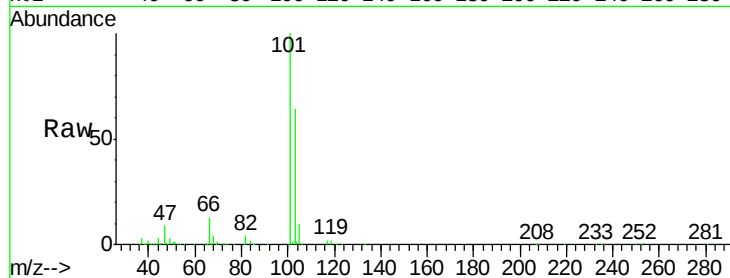
Trichlorofluoromethane
Concen: 46.925 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	386173		
103	63.9	55.0	82.4	

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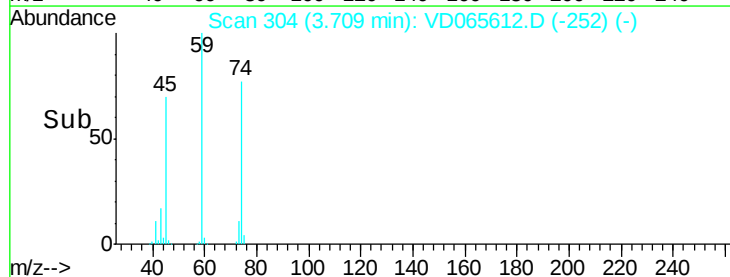
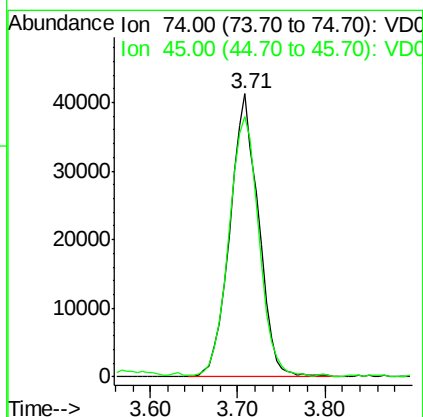
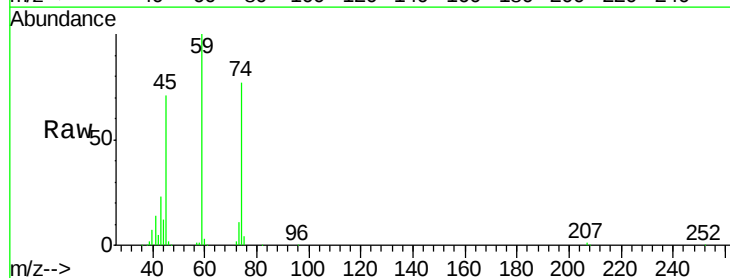
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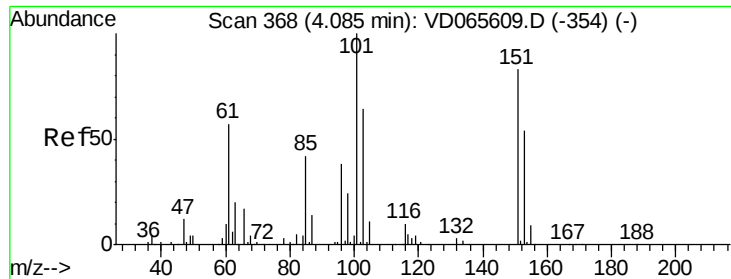


#8

Diethyl Ether
Concen: 53.938 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	91711		
45	95.6	47.8	143.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.769 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

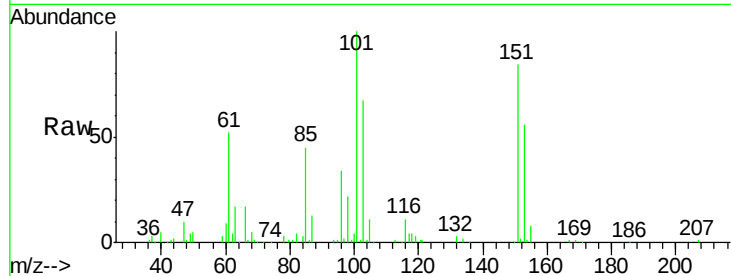
ClientSampleId :

ICVVD040920

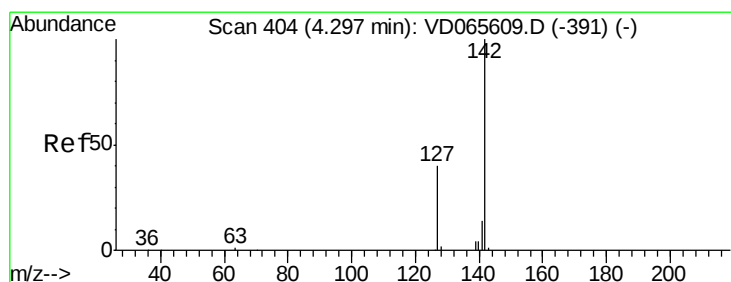
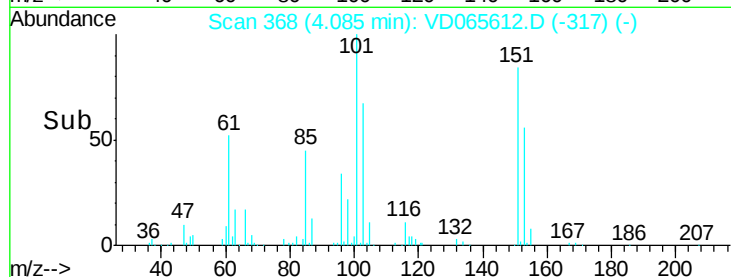
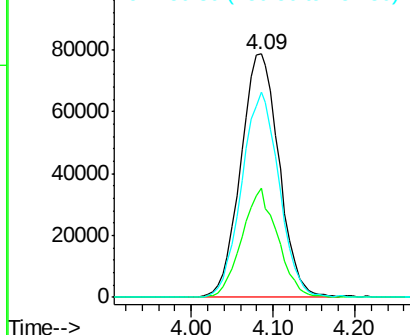
Tot Ion:	101	Resp:	256980
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.8	50.6
151	82.3	65.0	97.4

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



#10

Methyl Iodide

Concen: 46.065 ug/l

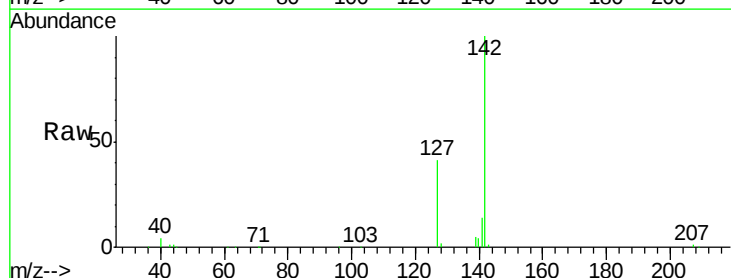
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

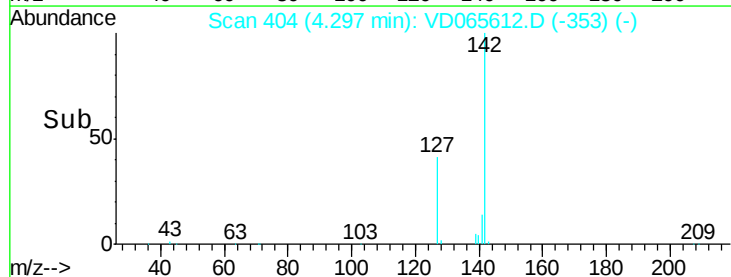
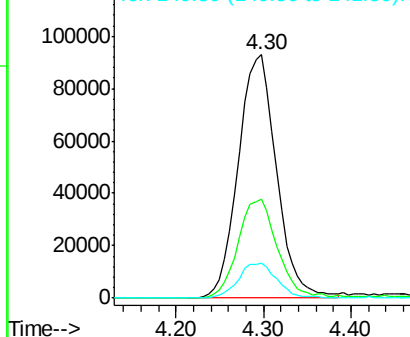
Lab File: VD065612.D

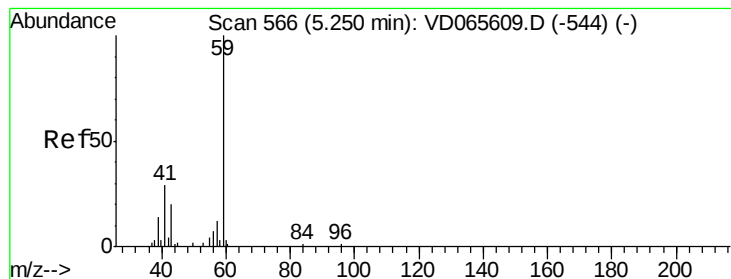
Acq: 09 Apr 2020 15:25

Tgt Ion:	142	Resp:	276322
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.6	51.8
141	14.5	11.7	17.5



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





#11

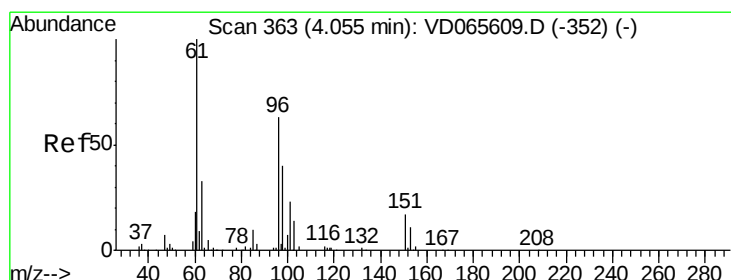
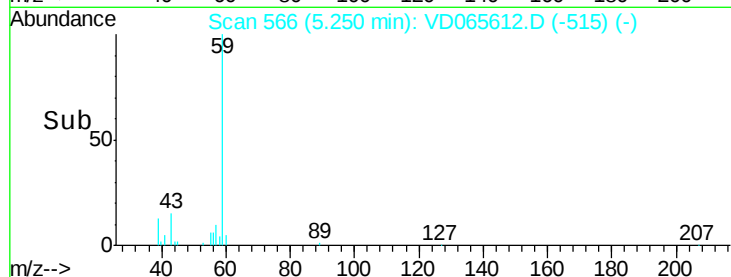
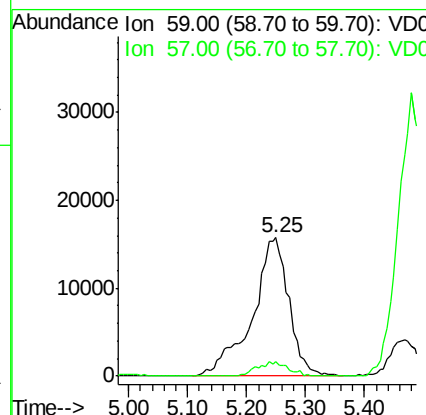
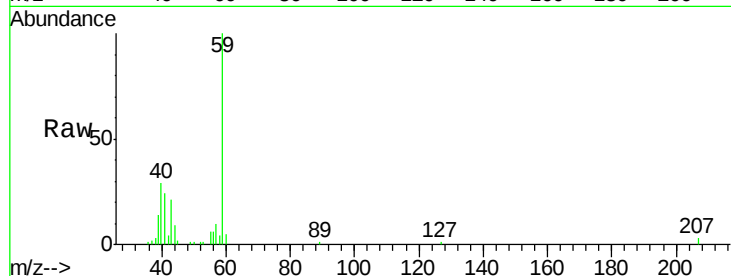
Tert butyl alcohol
Concen: 274.681 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	59	Resp	67870
Ion Ratio	100	Lower	Upper
57	8.8	8.1	12.1

Manual Integrations
APPROVED

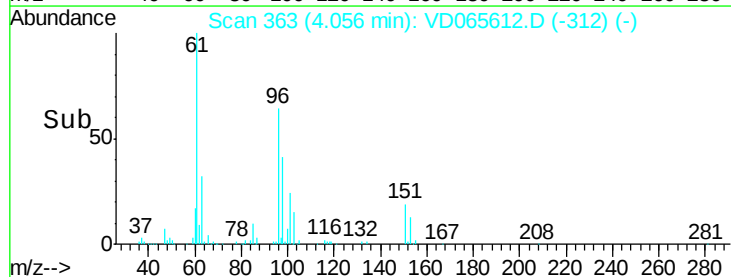
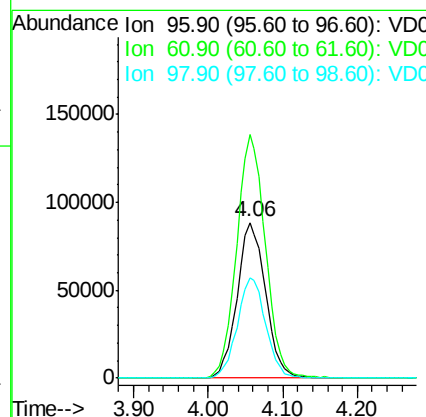
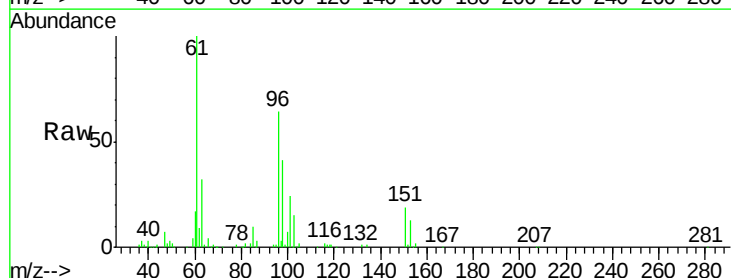
MMDadoda
4/10/2020 2:58:55 PM

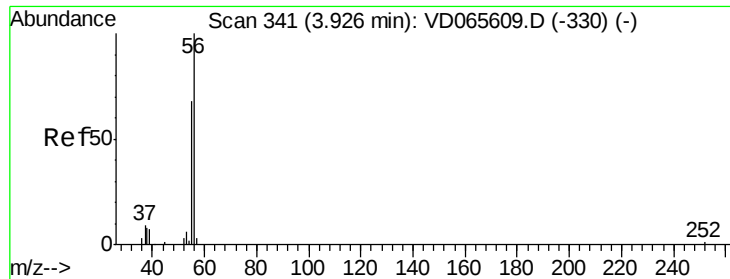


#12

1,1-Dichloroethene
Concen: 47.376 ug/l
RT: 4.06 min Scan# 363
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	96	Resp	235068
Ion Ratio	100	Lower	Upper
61	156.8	126.6	190.0
98	64.6	50.2	75.4





#13

Acrolein

Concen: 273.787 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

ICVVD040920

Tot Ion: 56 Resp: 93902

Ion Ratio Lower Upper

56 100

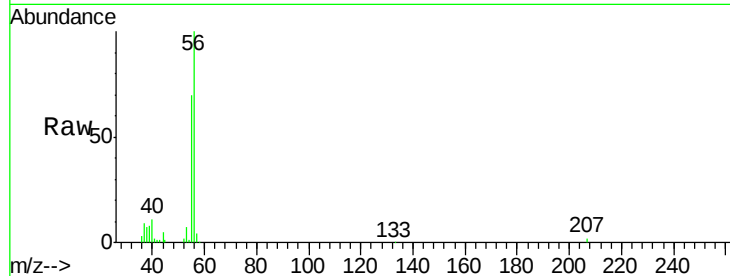
55 68.9 57.9 86.9

Manual Integrations

APPROVED

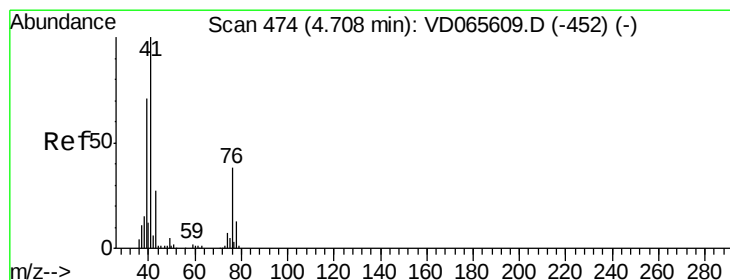
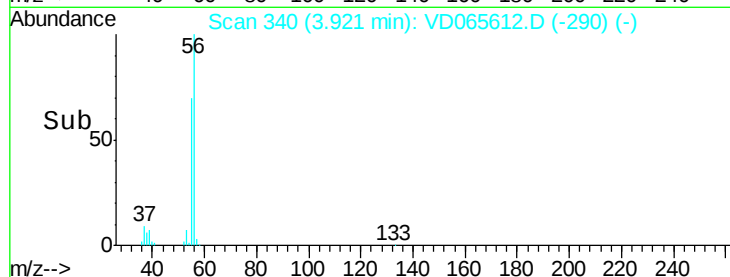
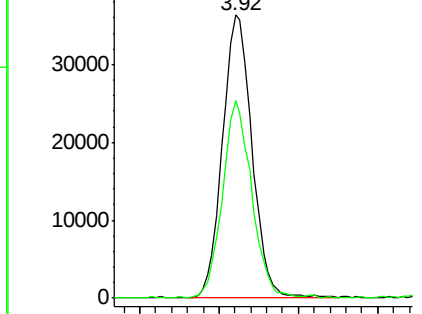
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.049 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

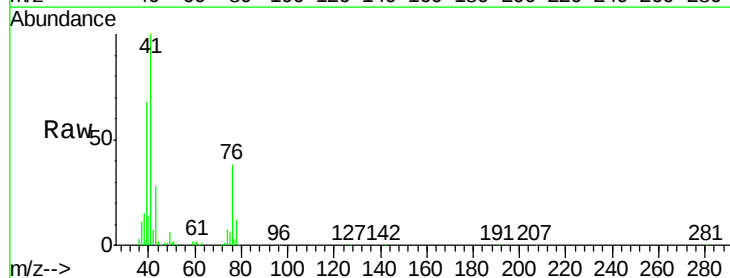
Tgt Ion: 41 Resp: 353644

Ion Ratio Lower Upper

41 100

39 68.6 54.2 81.2

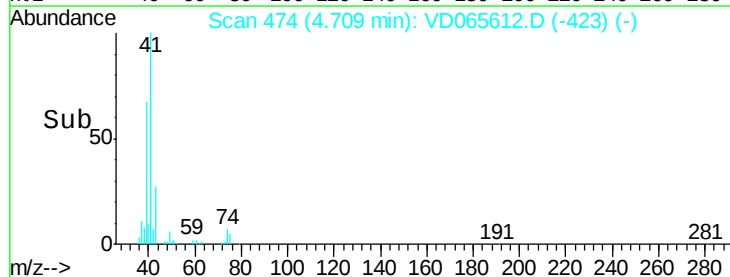
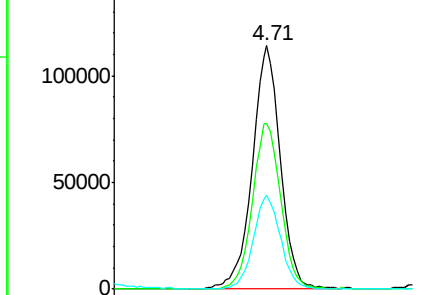
76 37.4 29.7 44.5

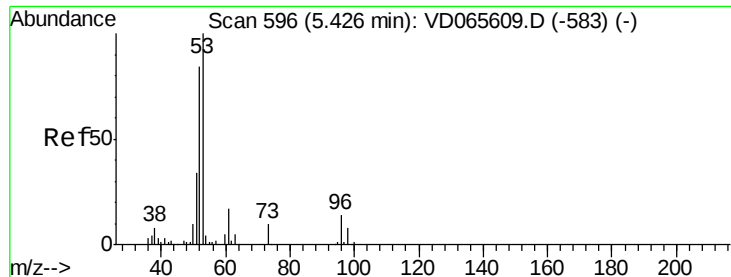


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 232.858 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

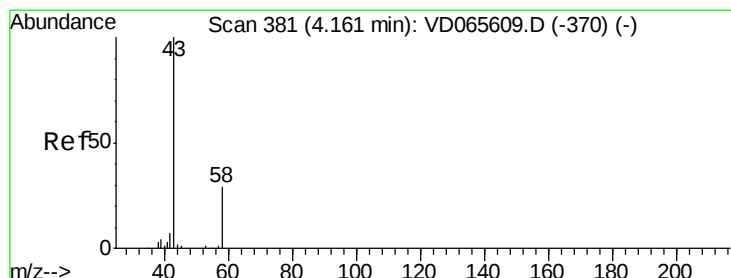
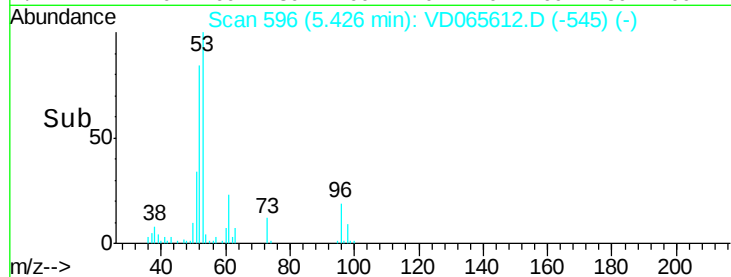
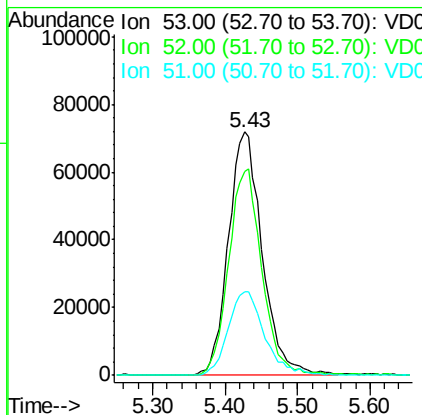
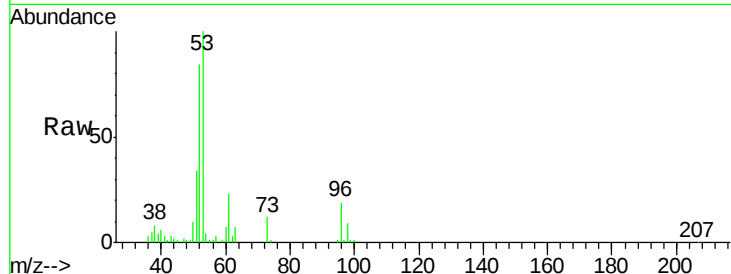
ClientSampleId :

ICVVD040920

Tot Ion:	53	Resp:	233482
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	37.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 292.513 ug/l

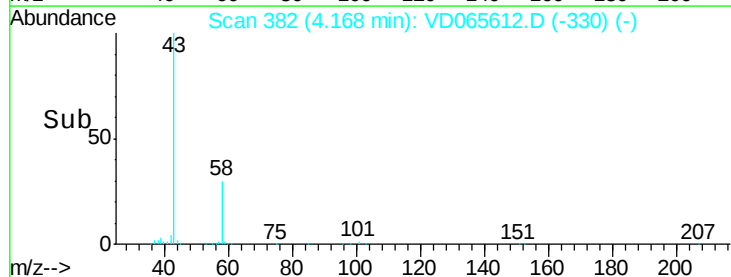
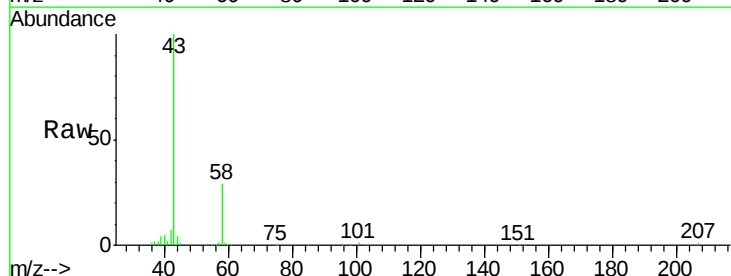
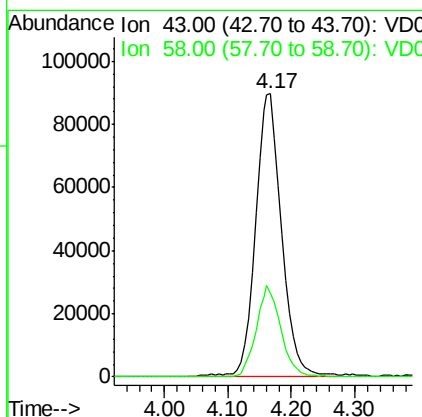
RT: 4.17 min Scan# 382

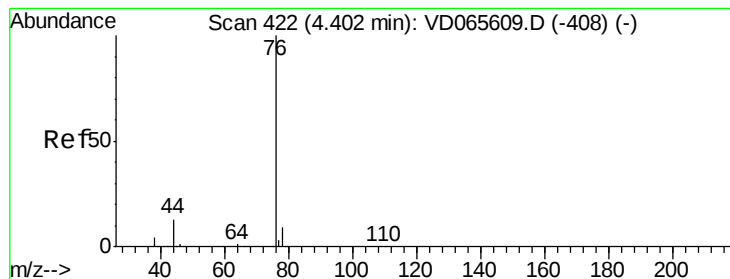
Delta R.T. 0.01 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Tgt Ion:	43	Resp:	258528
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.2	34.8





#17

Carbon Disulfide

Concen: 46.718 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

ICVVD040920

Tot Ion: 76 Resp: 771281

Ion Ratio Lower Upper

76 100

78 9.5

7.3

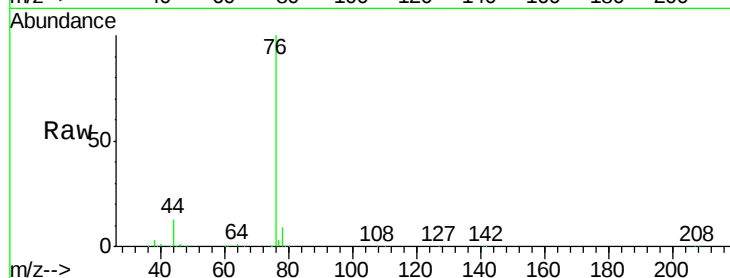
10.9

Manual Integrations

APPROVED

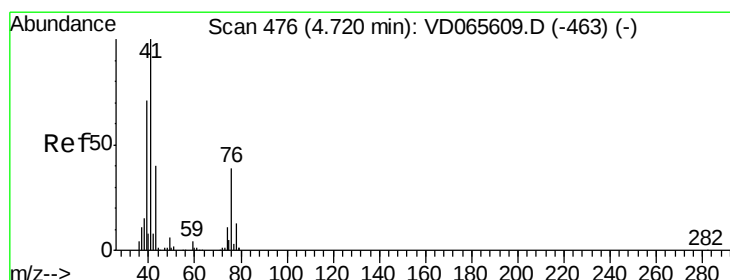
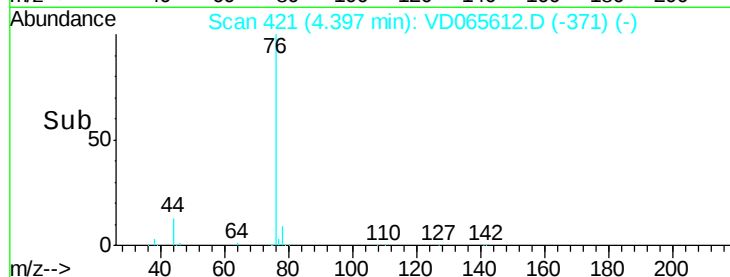
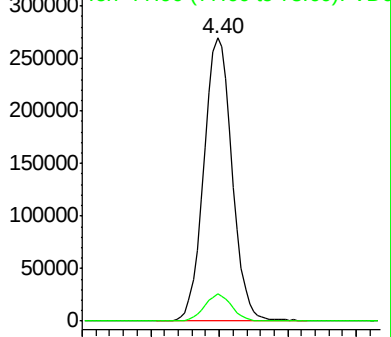
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 45.920 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Tgt Ion: 43 Resp: 119125

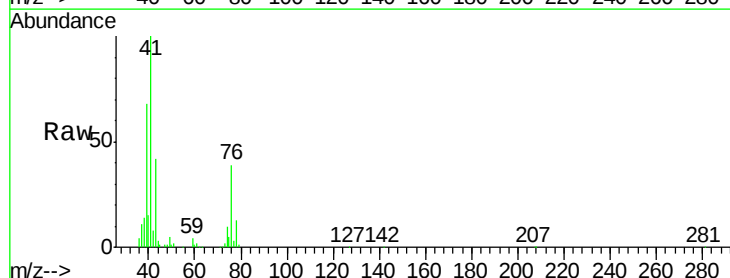
Ion Ratio Lower Upper

43 100

74 24.0

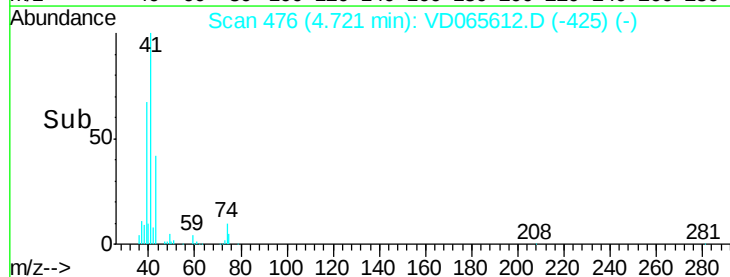
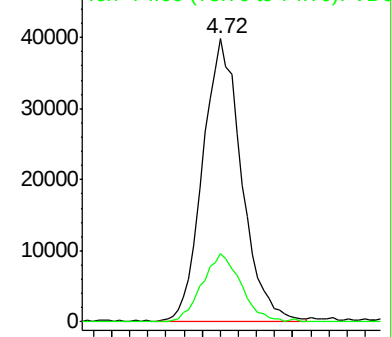
20.2

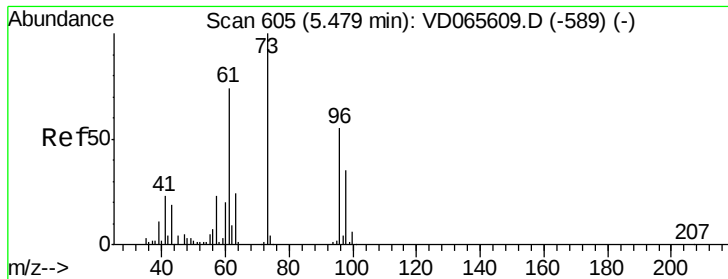
30.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

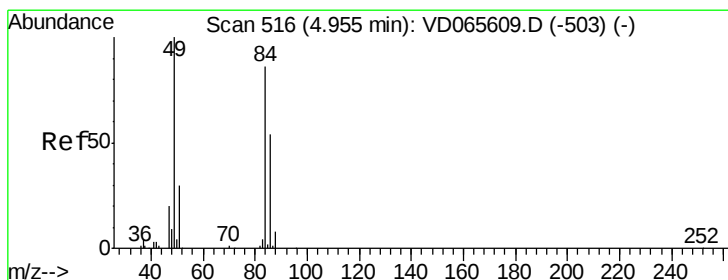
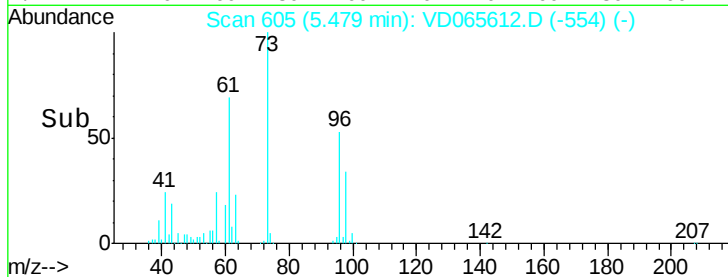
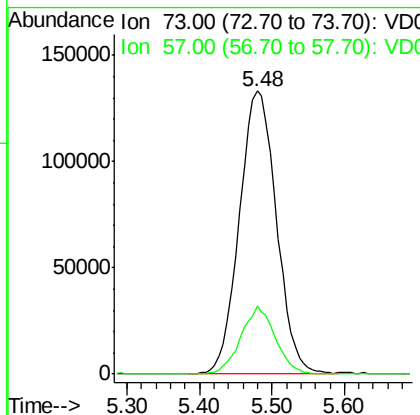
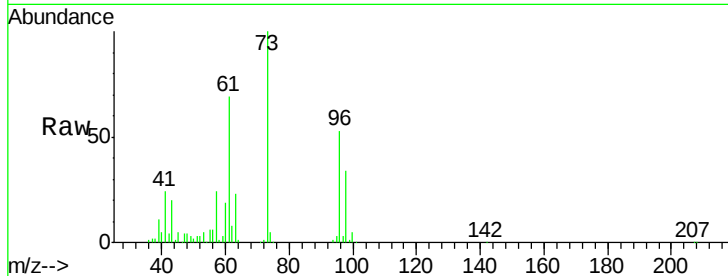
Methyl tert-butyl Ether
 Concen: 49.382 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	18.2	27.2

Manual Integrations
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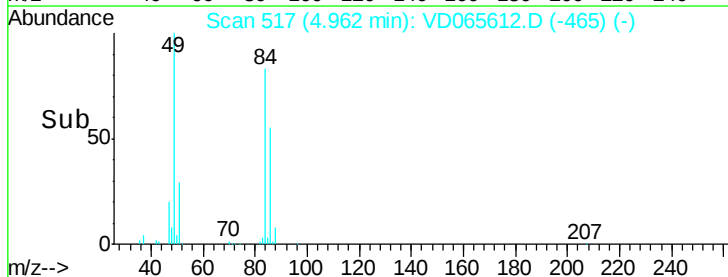
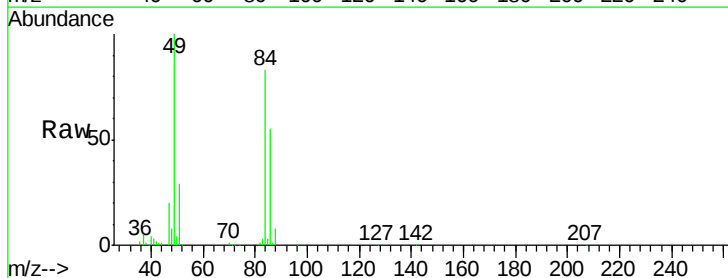
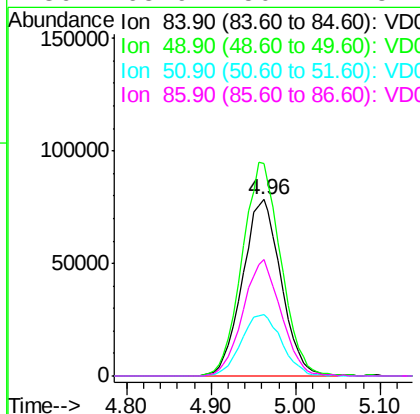
MMDadoda
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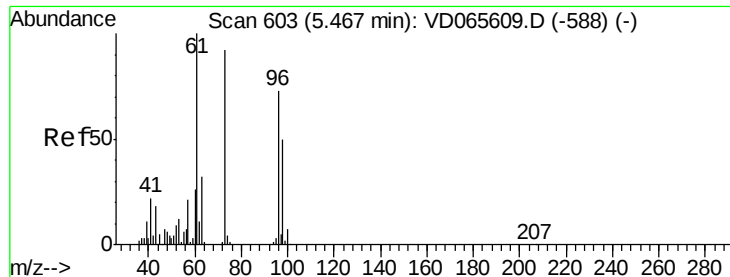


#20

Methylene Chloride
 Concen: 42.750 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.3	93.4	140.2
51	34.9	28.5	42.7
86	65.9	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 47.910 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

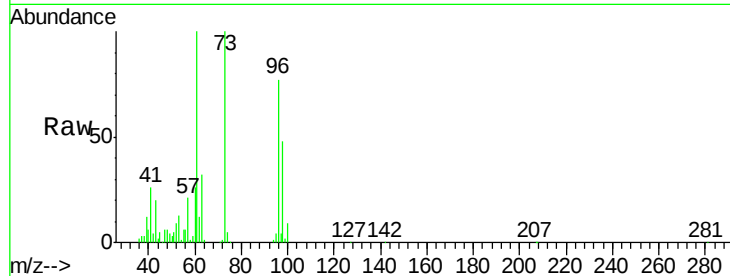
ClientSampleId :

ICVVD040920

Tot Ion:	96	Resp:	269799
Ion	Ratio	Lower	Upper
96	100		
61	130.1	109.8	164.6
98	62.7	54.8	82.2

Manual Integrations
APPROVED

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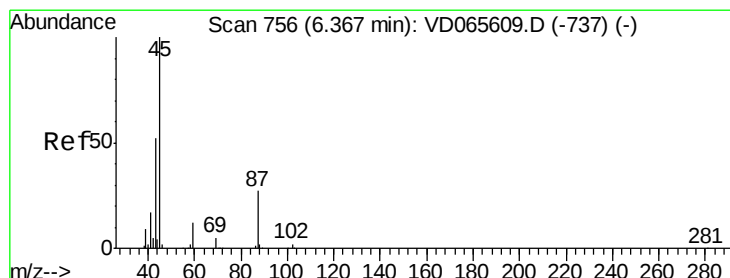
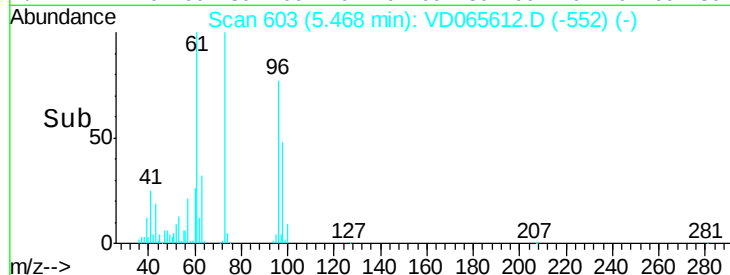
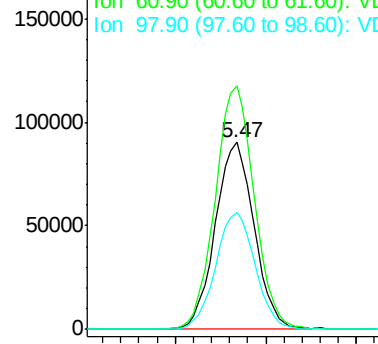


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 49.408 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Tgt Ion:	45	Resp:	698990
Ion	Ratio	Lower	Upper
45	100		
43	54.7	42.5	63.7
87	27.6	22.3	33.5
59	11.3	9.5	14.3

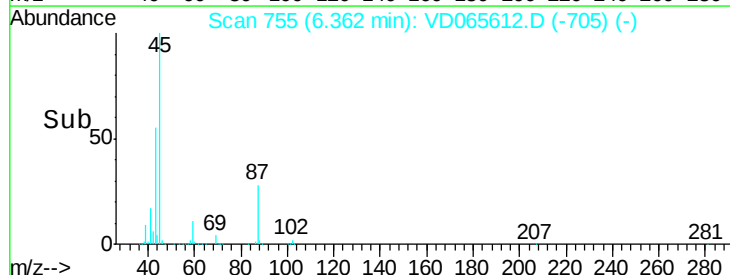
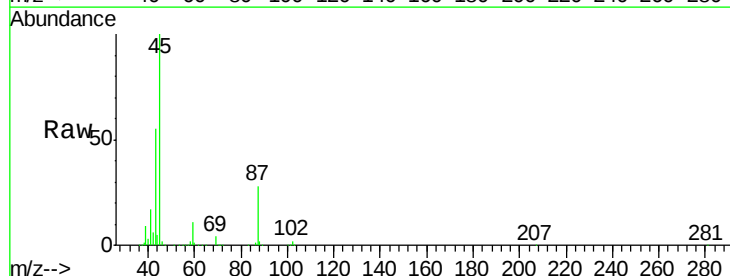
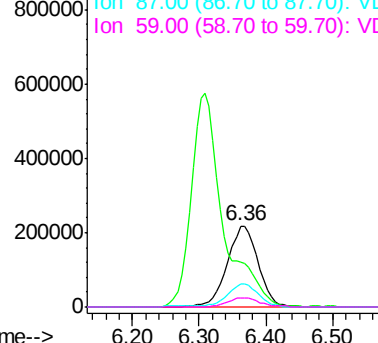
Abundance

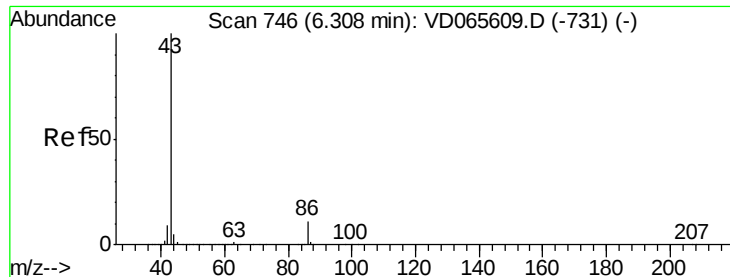
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 256.601 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Tot Ion: 43 Resp: 1920653

Ion Ratio Lower Upper

43 100

86 11.2 9.1 13.7

Instrument :

MSVOA_D

ClientSampleId :

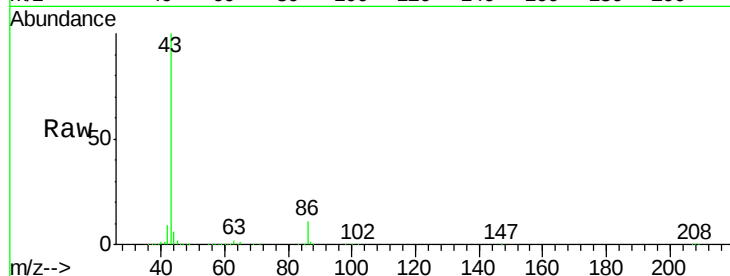
ICVVD040920

Manual Integrations

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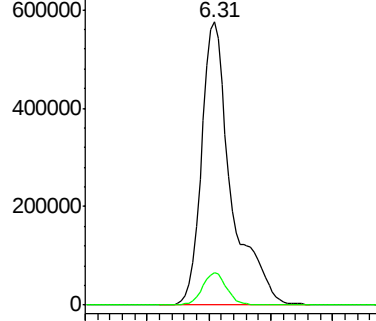
MMDadoda

4/10/2020 2:58:55 PM

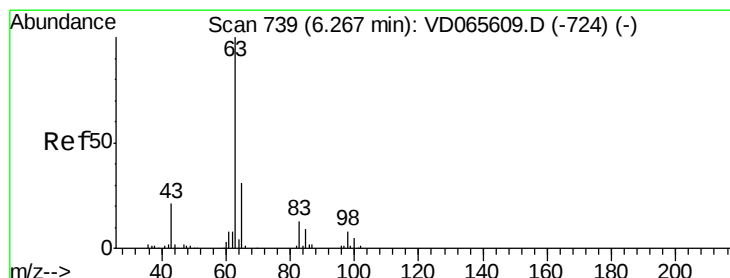
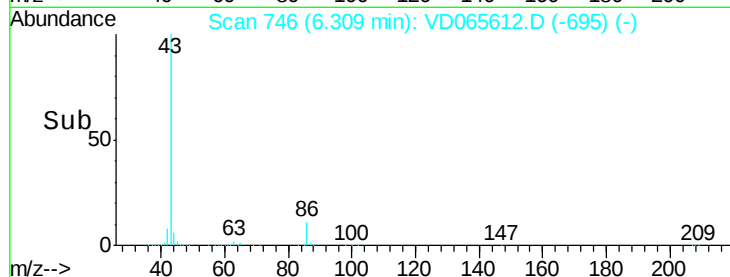


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 46.079 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

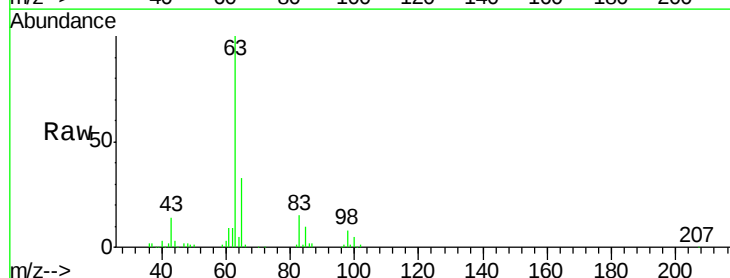
Tgt Ion: 63 Resp: 433707

Ion Ratio Lower Upper

63 100

98 7.8 4.0 11.9

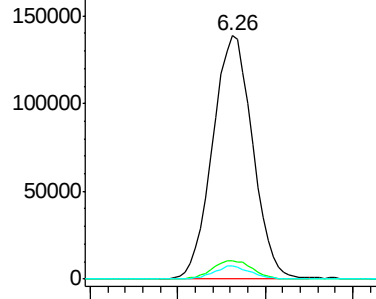
100 5.2 2.6 7.8



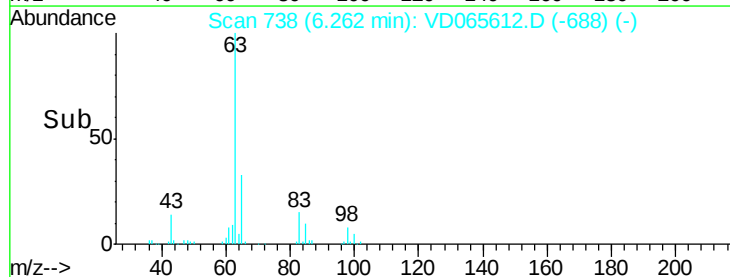
Abundance Ion 62.90 (62.60 to 63.60): VDC

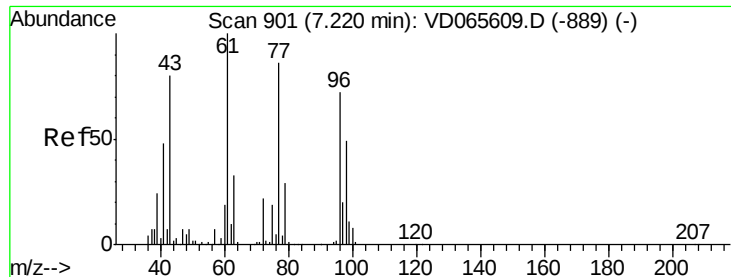
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 258.304 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

ICVVD040920

Tot Ion: 43 Resp: 312476

Ion Ratio Lower Upper

43 100

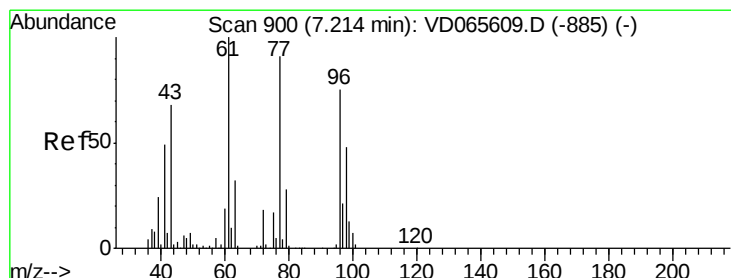
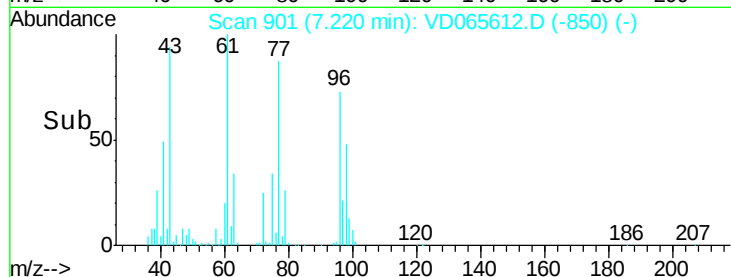
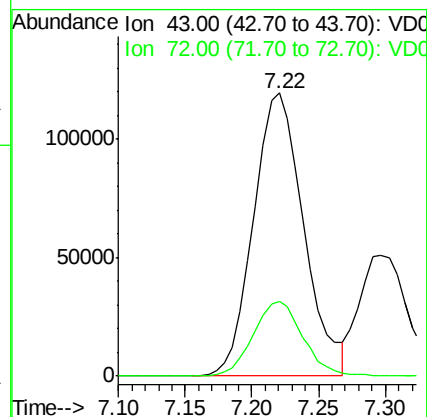
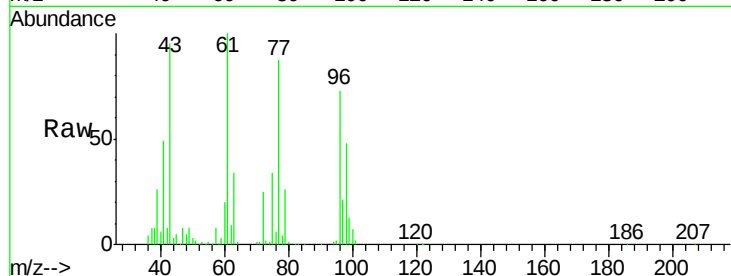
72 26.6 22.5 33.7

Manual Integrations

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4/10/2020 2:58:55 PM



#26

2,2-Dichloropropane

Concen: 48.208 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065612.D

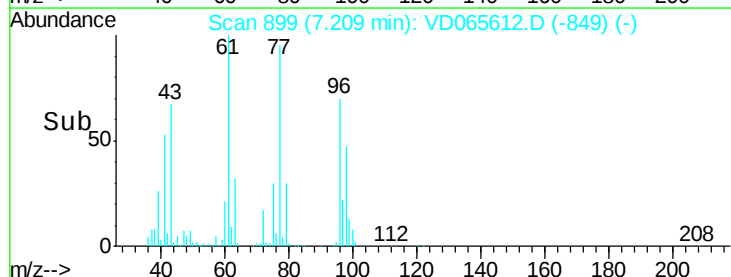
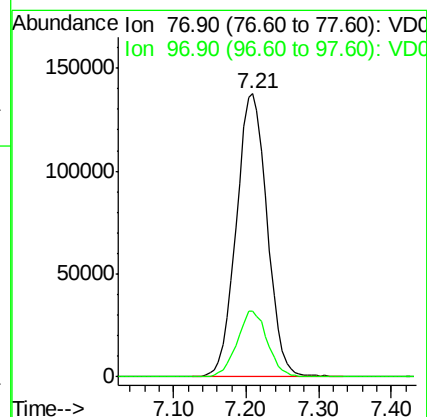
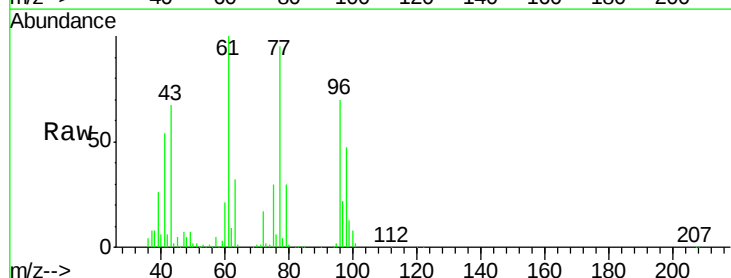
Acq: 09 Apr 2020 15:25

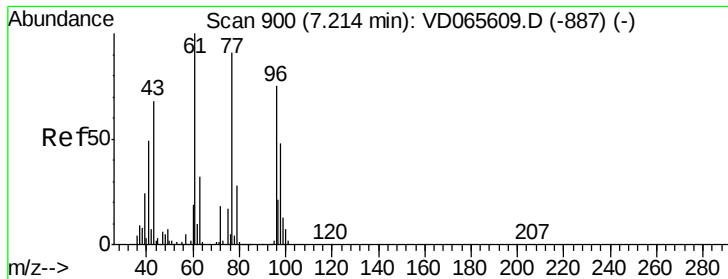
Tgt Ion: 77 Resp: 406061

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.1





#27

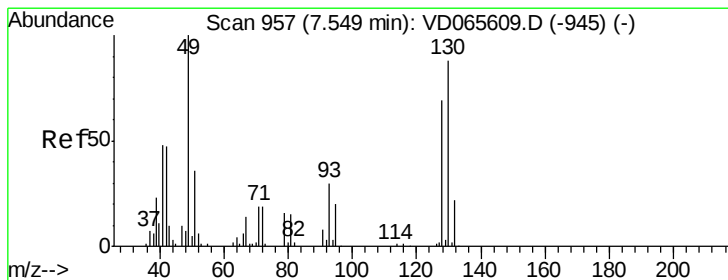
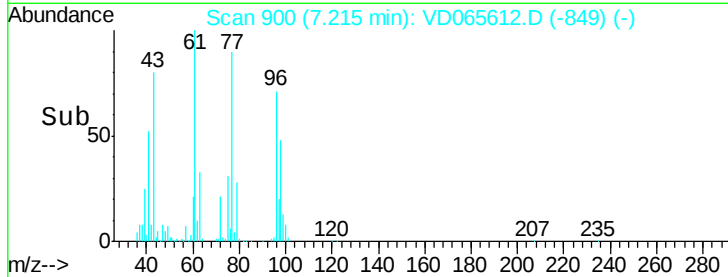
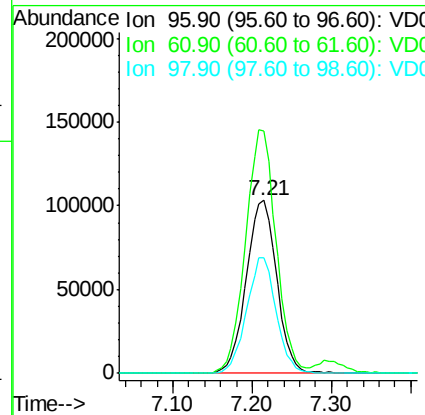
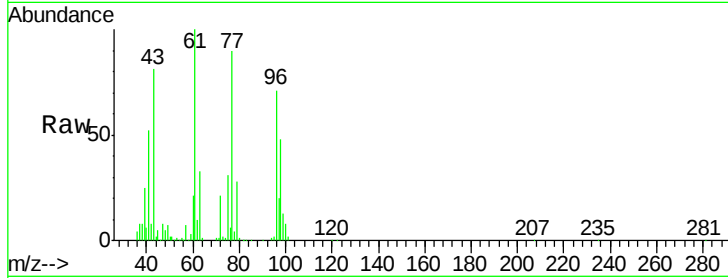
cis-1,2-Dichloroethene
Concen: 48.004 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Resp	Lower	Upper
96	100	276667		
61	140.3	0.0	279.0	
98	65.1	0.0	130.2	

Manual Integrations
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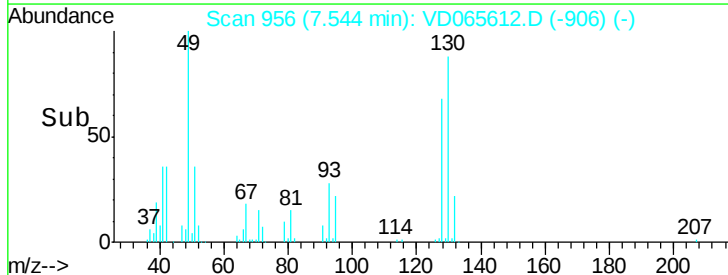
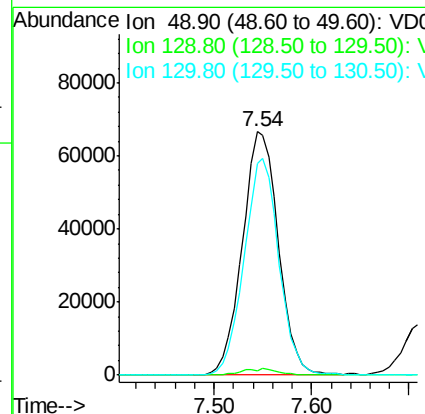
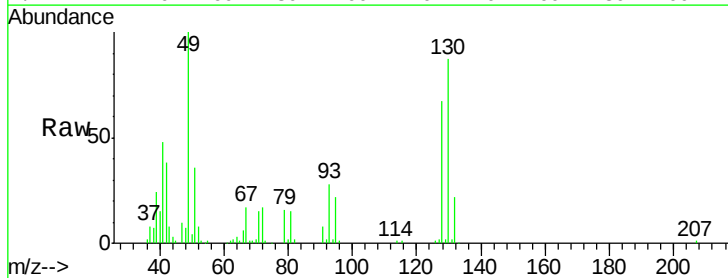
MMDadoda
4/10/2020 2:58:55 PM

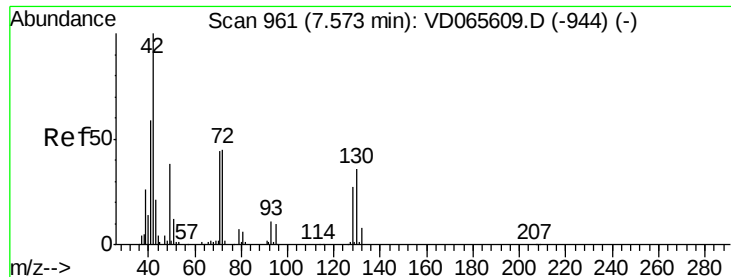


#28

Bromochloromethane
Concen: 45.577 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172175		
129	2.5	0.0	4.8	
130	85.8	69.4	104.2	





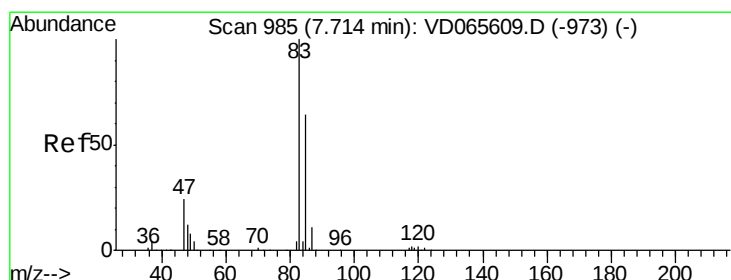
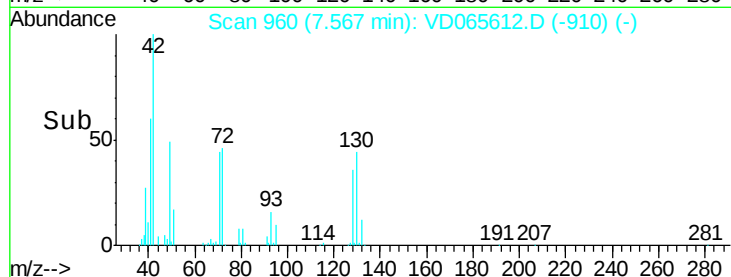
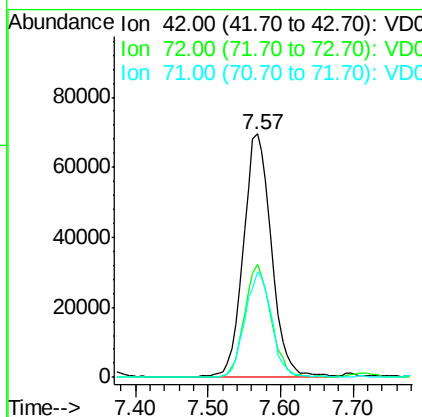
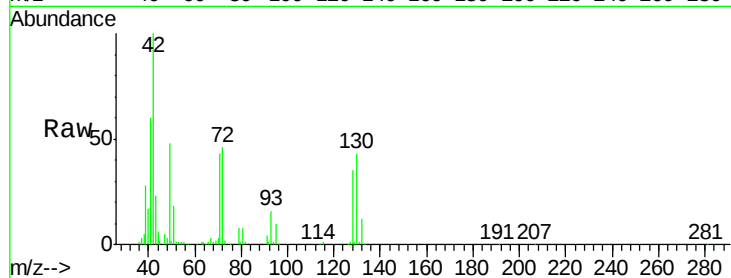
#29
Tetrahydrofuran
Concen: 246.517 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.3	52.9
71	40.7	33.1	49.7

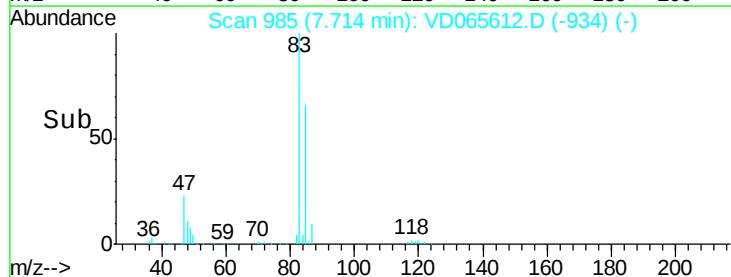
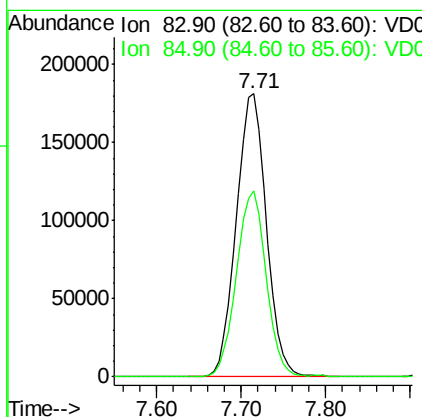
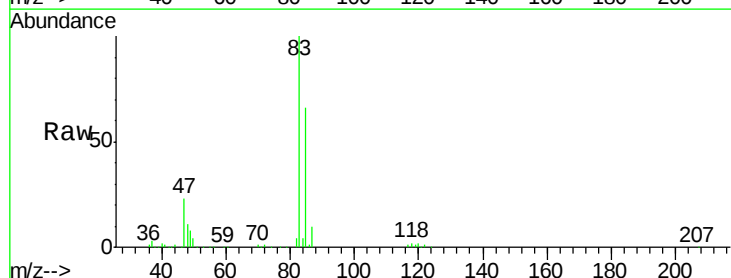
Manual Integrations
APPROVED

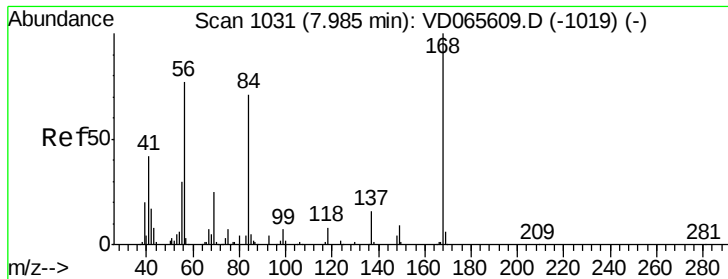
MMDadoda
4/10/2020 2:58:55 PM



#30
Chloroform
Concen: 45.510 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.9	76.3





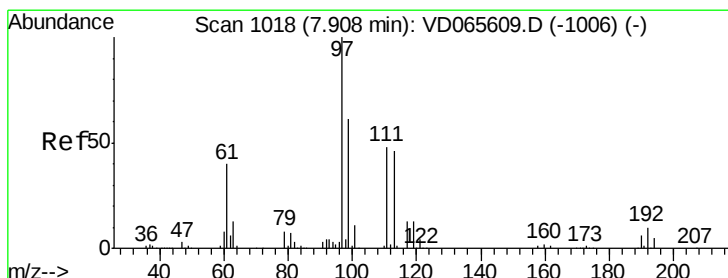
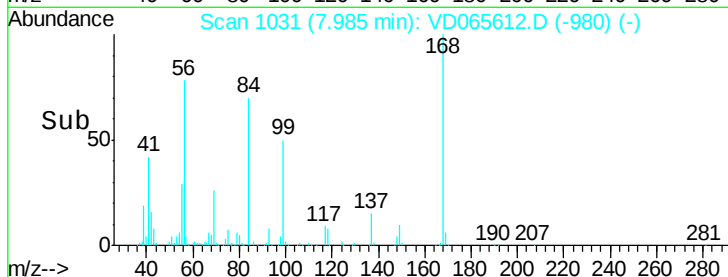
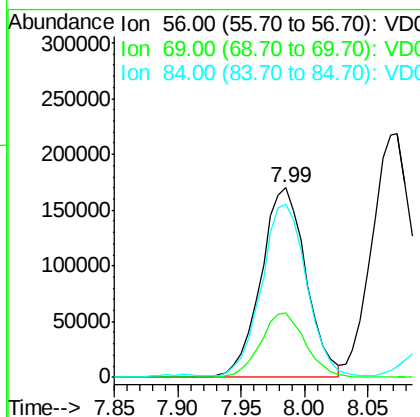
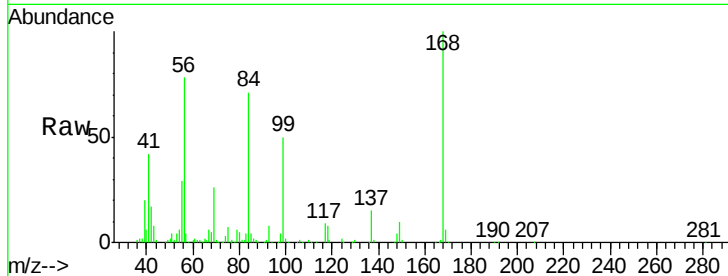
#31
Cyclohexane
Concen: 48.093 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.8	26.2	39.4	
84	89.7	73.7	110.5	

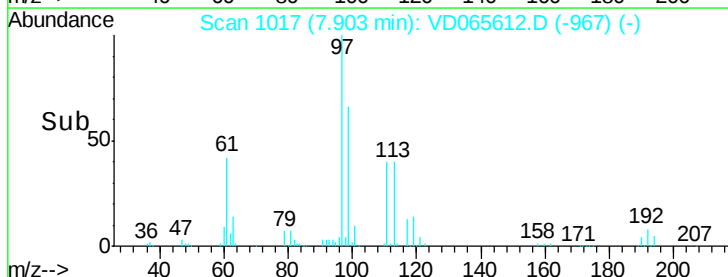
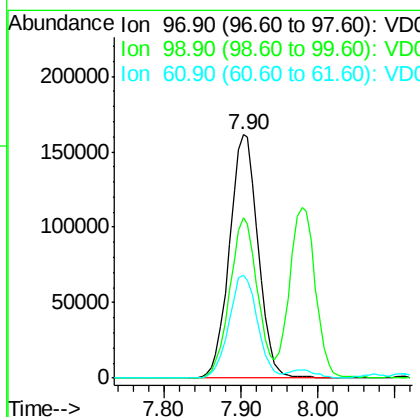
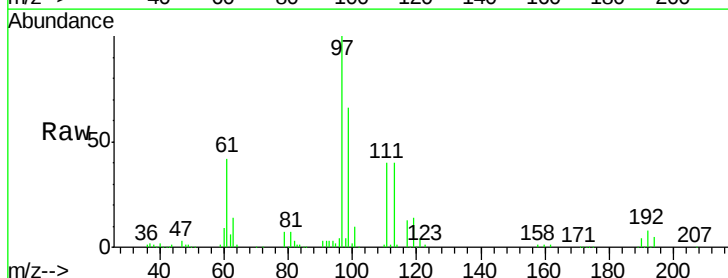
Manual Integrations
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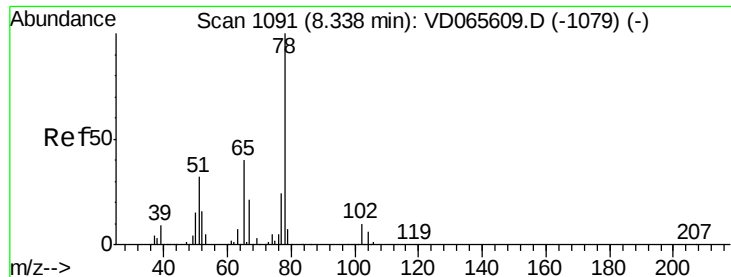
MMDadoda
4/10/2020 2:58:55 PM



#32
1,1,1-Trichloroethane
Concen: 47.015 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	50.2	75.2	
61	41.9	33.5	50.3	





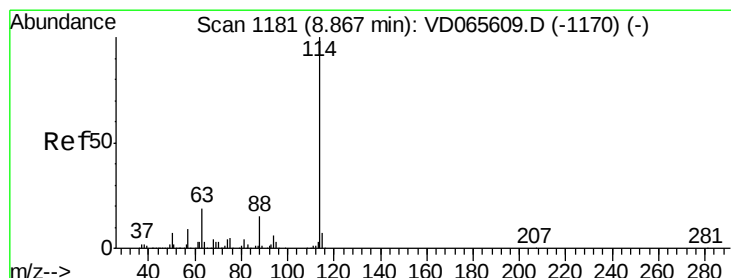
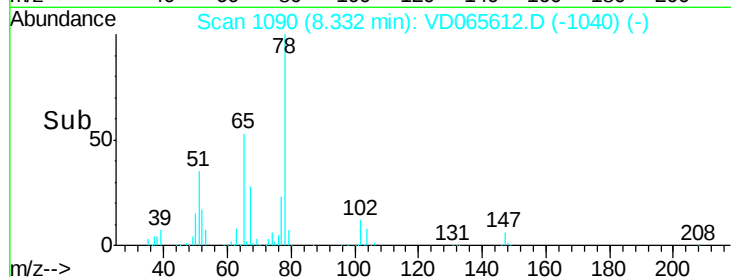
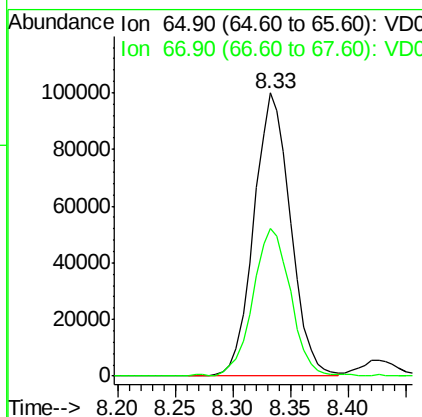
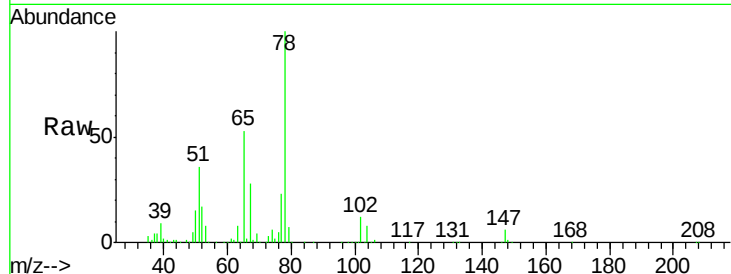
#33
 1,2-Dichloroethane-d4
 Concen: 45.111 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

Tot Ion	Ratio	Resp	Lower	Upper
65	100	220795		
67	53.6	0.0	107.6	

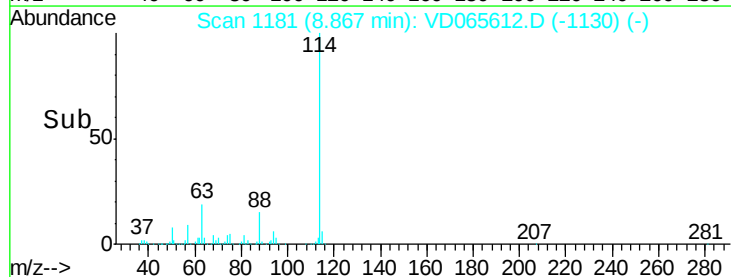
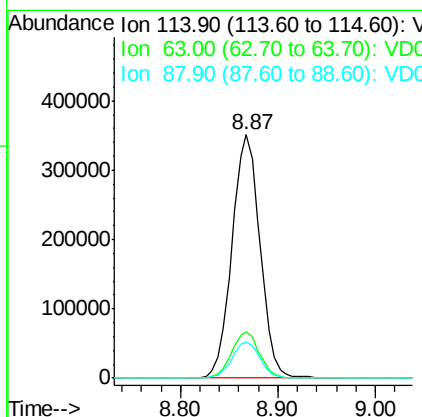
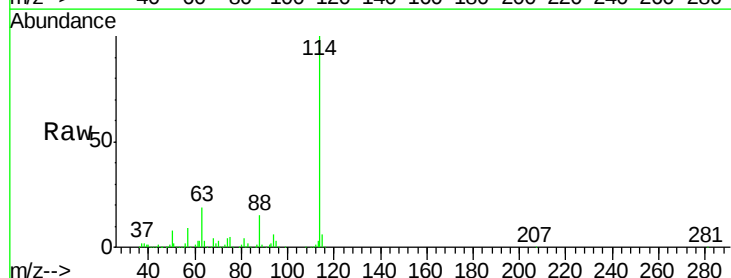
Manual Integrations
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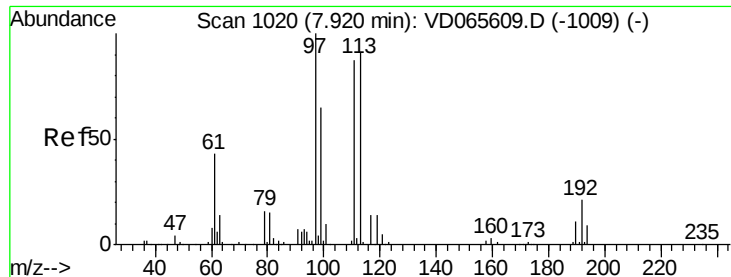
MMDadoda
 4/10/2020 2:58:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	700456		
63	19.1	0.0	38.2	
88	14.8	0.0	29.6	





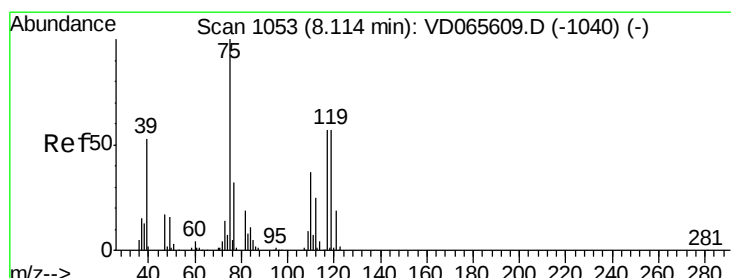
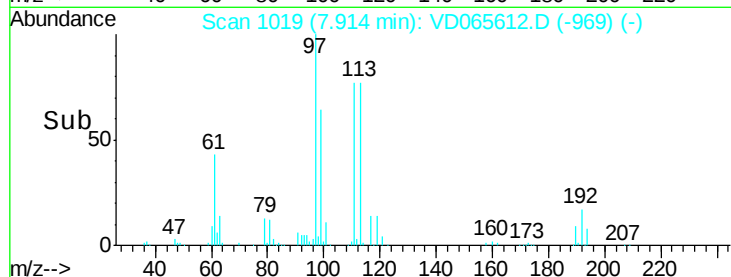
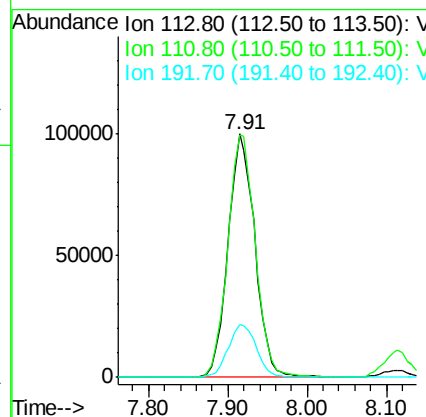
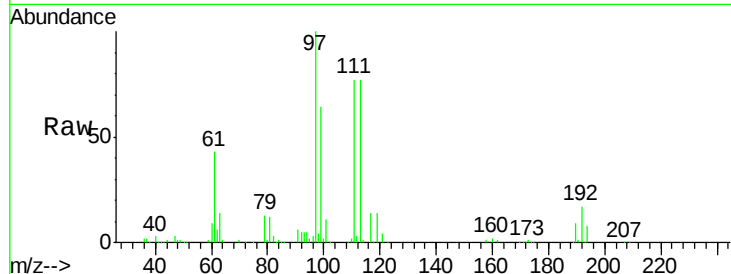
#35
 Dibromofluoromethane
 Concen: 47.608 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

Tot Ion	Ratio	Resp	Lower	Upper
113	100	232974		
111	102.6		80.6	120.8
192	22.7		18.6	27.8

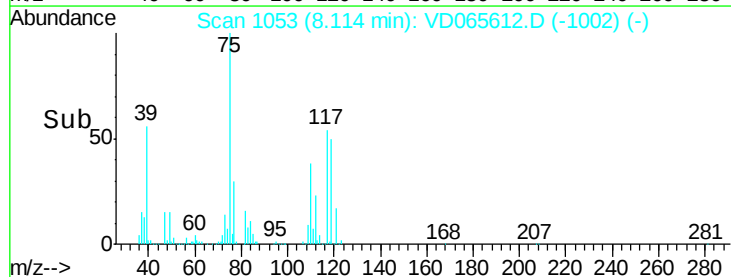
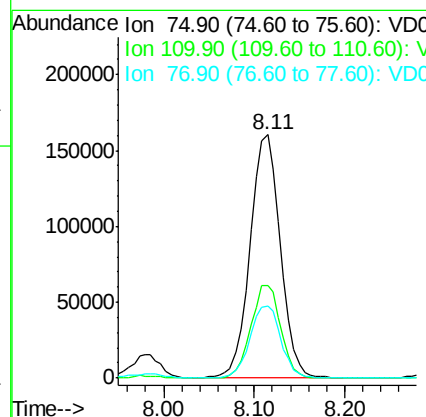
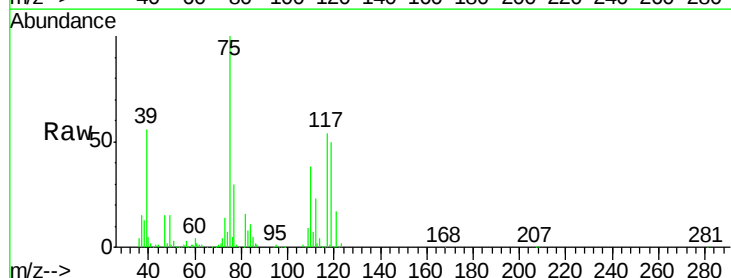
Manual Integrations
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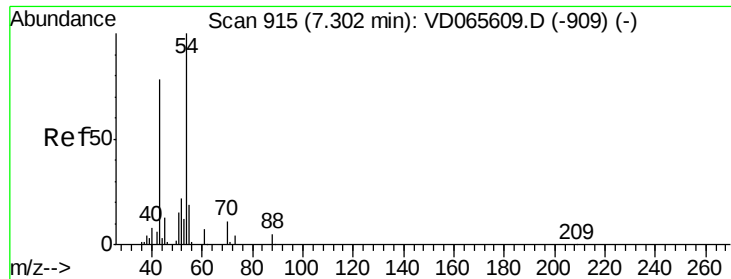
MMDadoda
 4/10/2020 2:58:55 PM



#36
 1,1-Dichloropropene
 Concen: 51.300 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	369950		
110	37.9		18.3	54.9
77	30.7		25.0	37.6





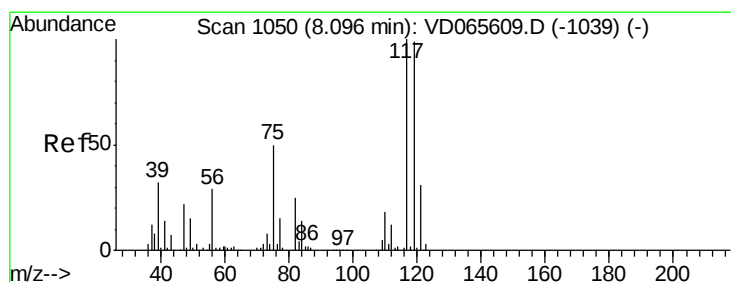
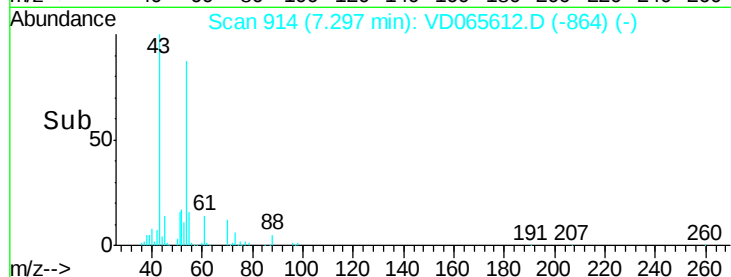
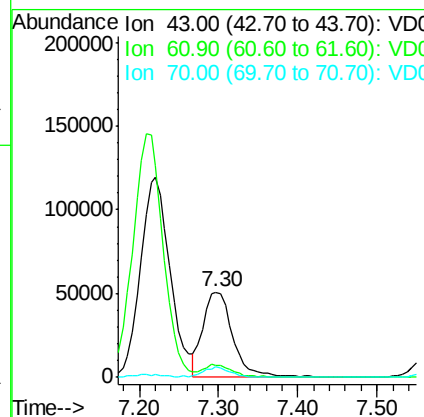
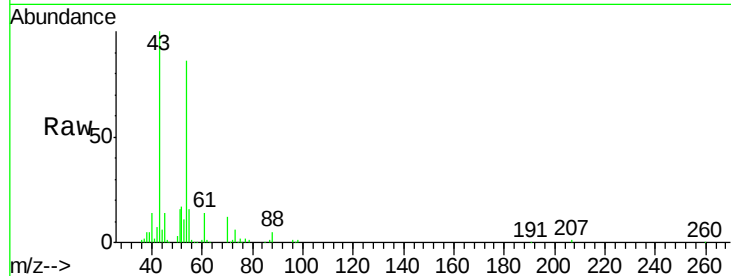
#37
Ethyl Acetate
Concen: 49.678 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	43	Resp	133016
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	10.8	8.6	13.0

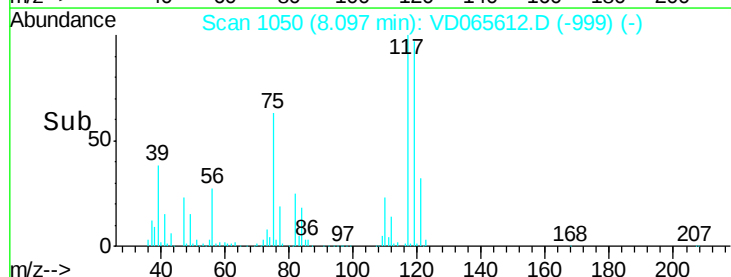
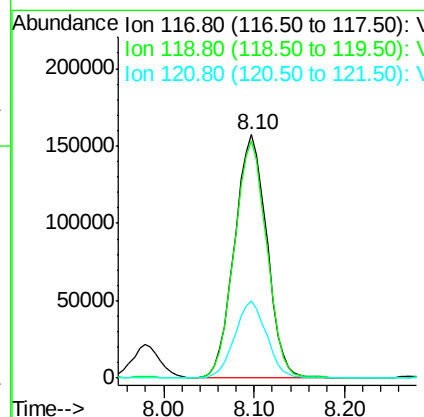
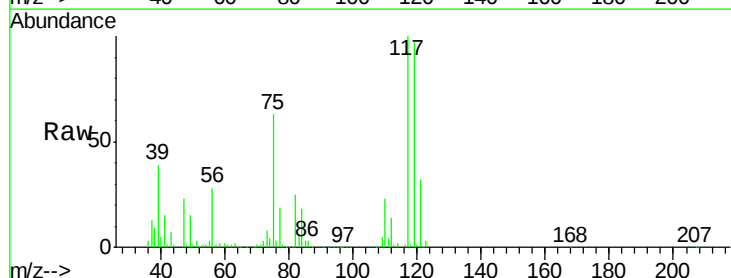
Manual Integrations
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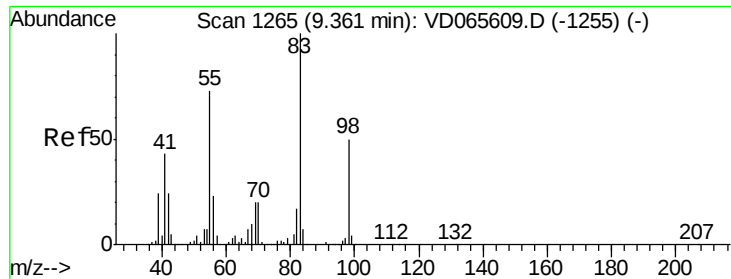
MMDadoda
4/10/2020 2:58:55 PM



#38
Carbon Tetrachloride
Concen: 49.727 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	117	Resp	389381
Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.9	118.3
121	31.9	24.6	37.0





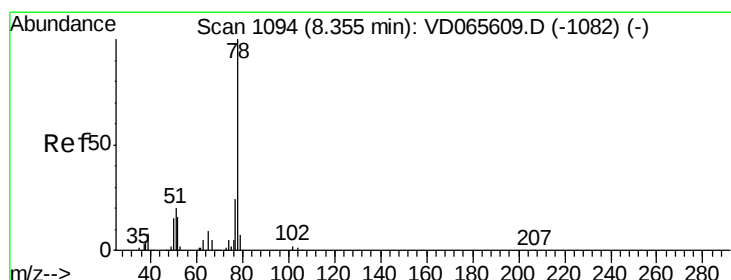
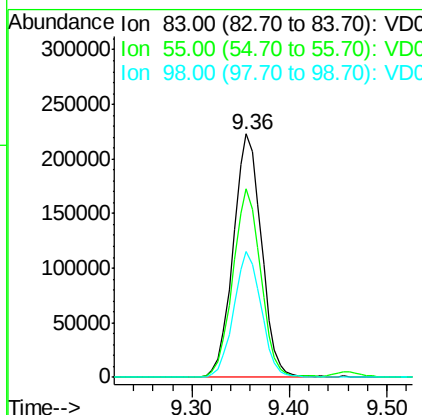
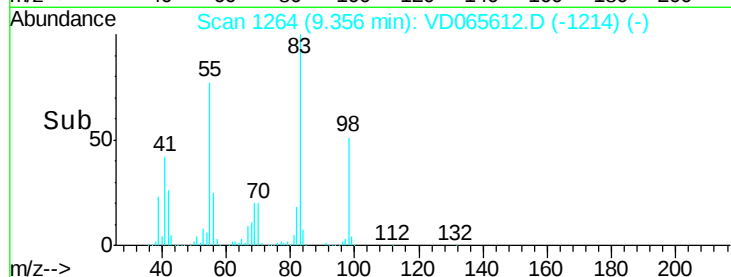
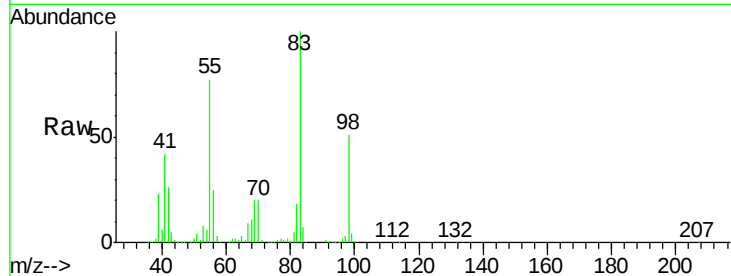
#39
Methvlcvclohexane
Concen: 55.006 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	58.7	88.1
98	51.4	40.2	60.4

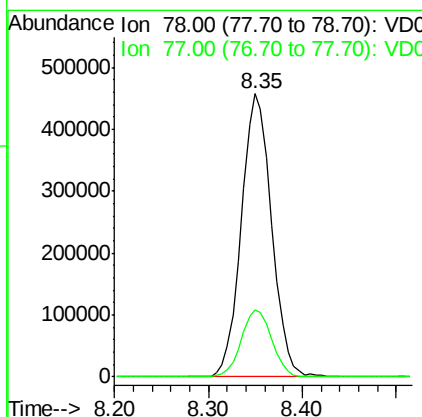
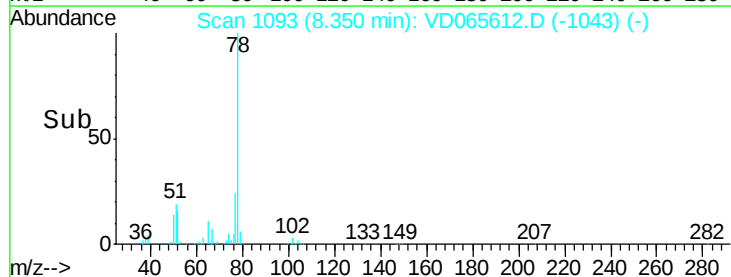
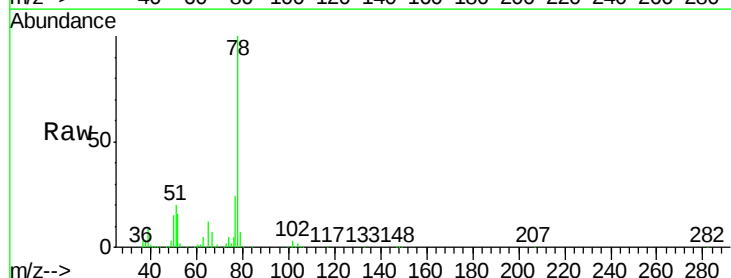
Manual Integrations
APPROVED

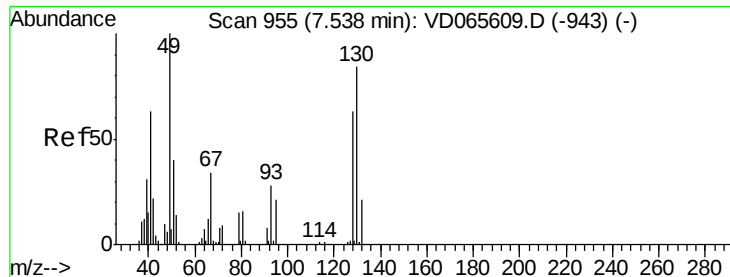
MMDadoda
4/10/2020 2:58:55 PM



#40
Benzene
Concen: 49.494 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





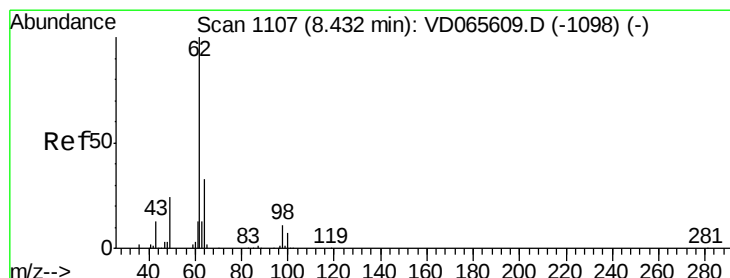
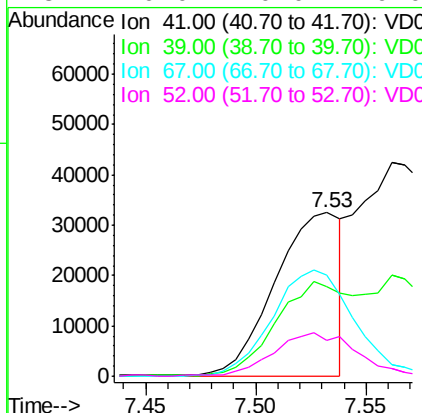
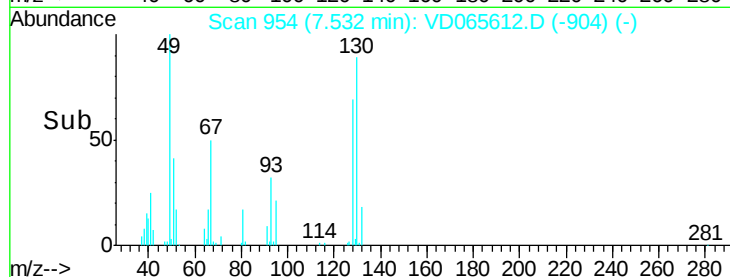
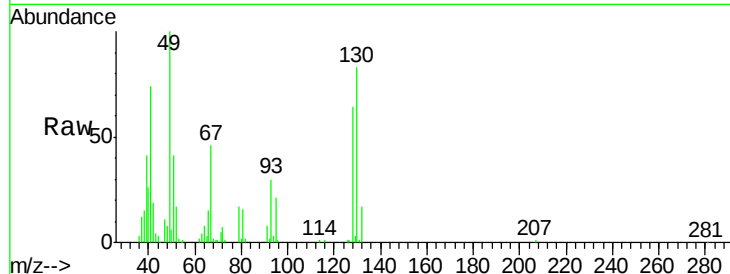
#41
Methacrylonitrile
Concen: 45.090 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	41	Resp	68312
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

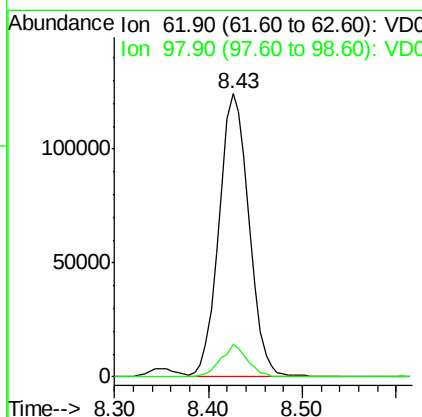
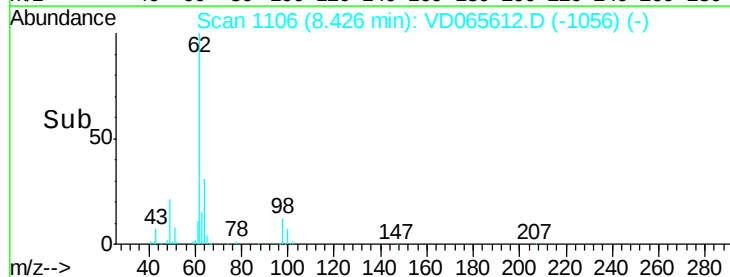
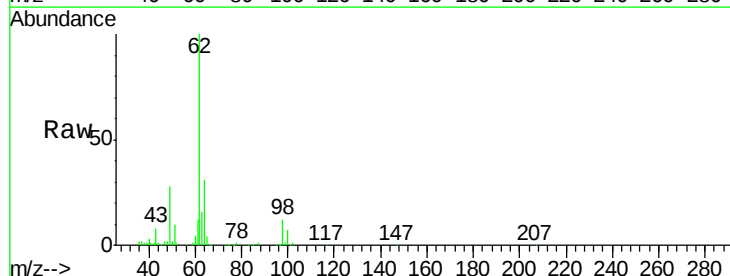
Manual Integrations
APPROVED

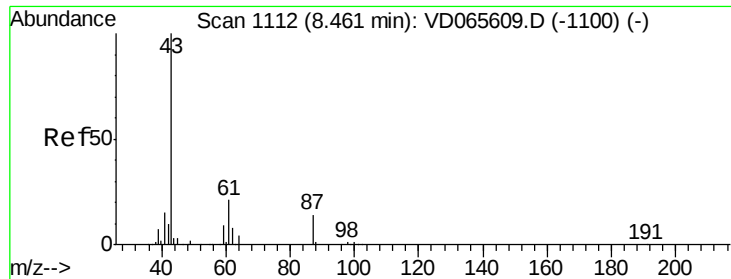
MMDadoda
4/10/2020 2:58:55 PM



#42
1,2-Dichloroethane
Concen: 47.880 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	62	Resp	275550
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 50.940 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

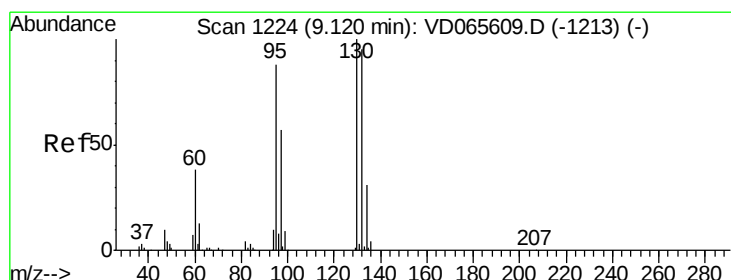
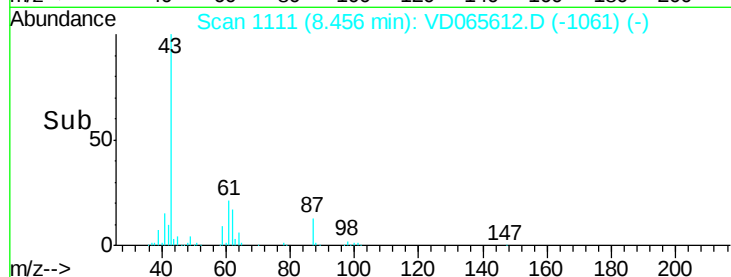
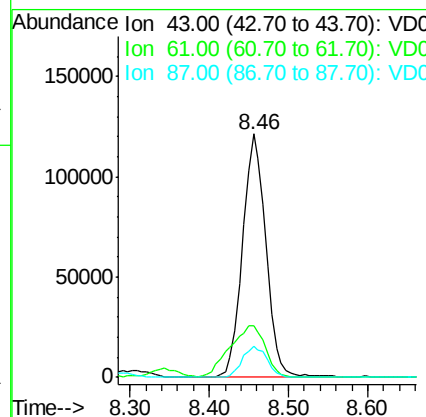
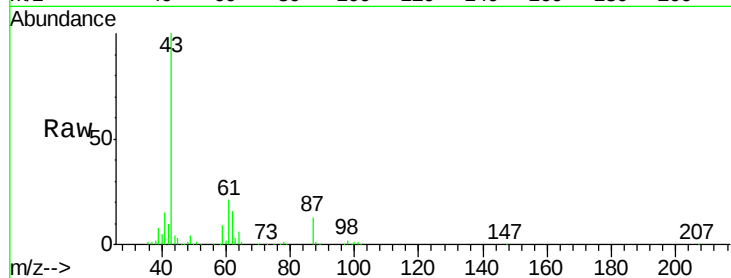
ClientSampleId :

ICVVD040920

Tot Ion:	43	Resp:	248850
Ion	Ratio	Lower	Upper
43	100		
61	32.2	25.9	38.9
87	13.4	10.9	16.3

Manual Integrations
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MMDadoda
4/10/2020 2:58:55 PM



#44

Trichloroethene

Concen: 48.852 ug/l

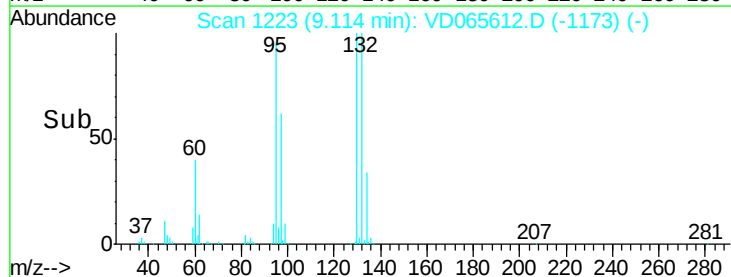
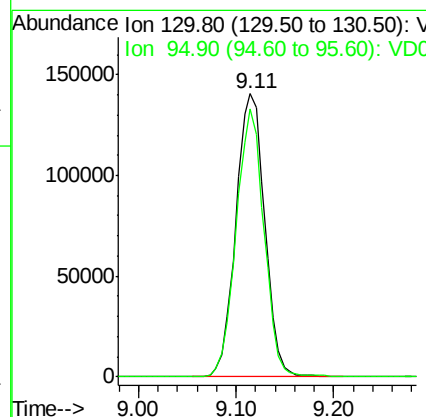
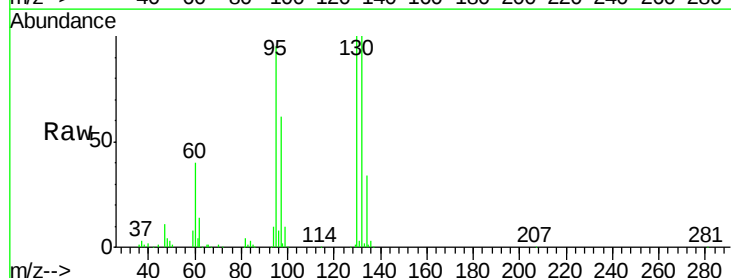
RT: 9.11 min Scan# 1223

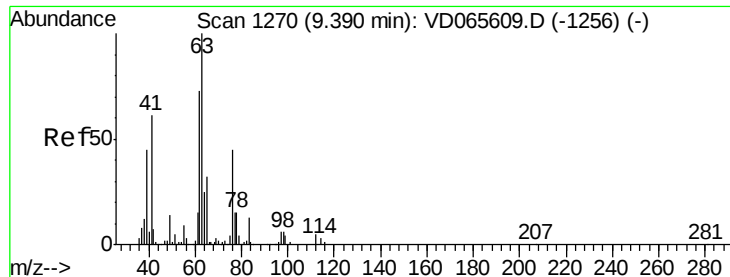
Delta R.T. -0.01 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Tgt Ion:	130	Resp:	289288
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	176.8





#45

1,2-Dichloropropane

Concen: 49.142 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

ICVVD040920

Tot Ion: 63 Resp: 246551

Ion Ratio Lower Upper

63 100

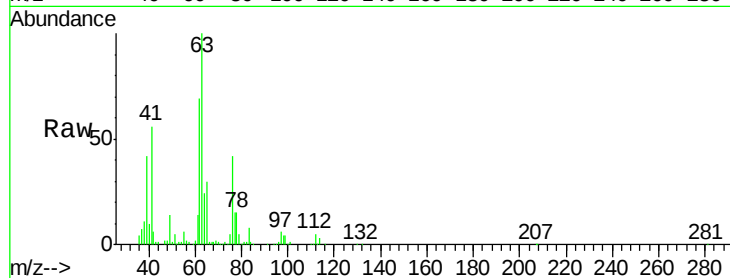
65 30.2 25.3 37.9

Manual Integrations

APPROVED

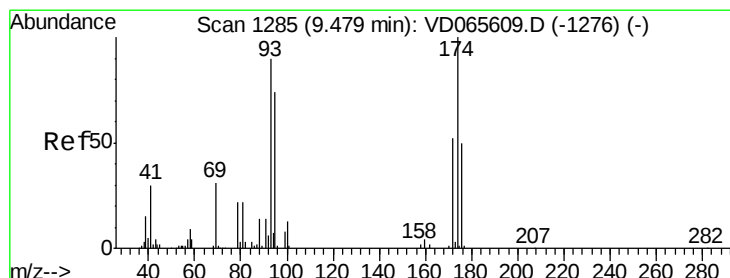
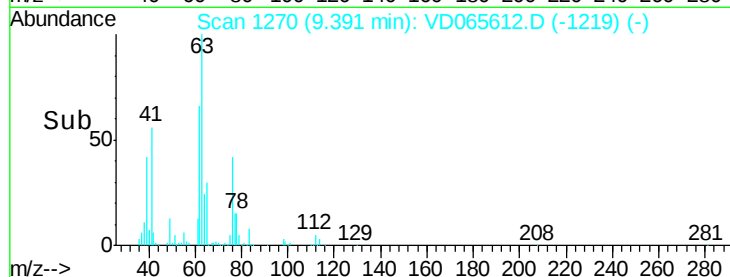
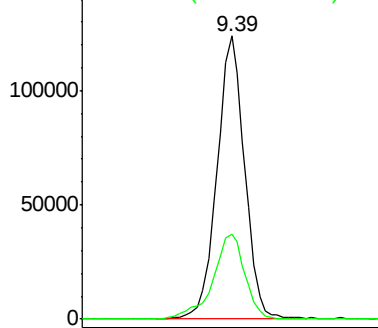
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.416 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

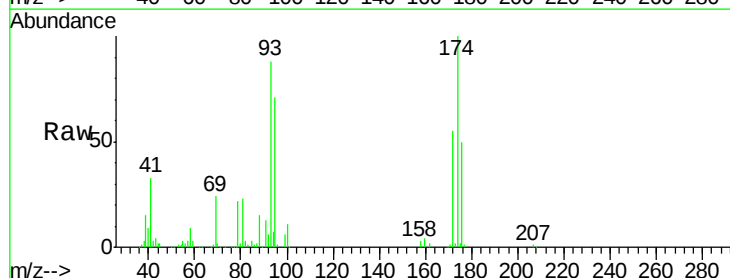
Tgt Ion: 93 Resp: 127870

Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

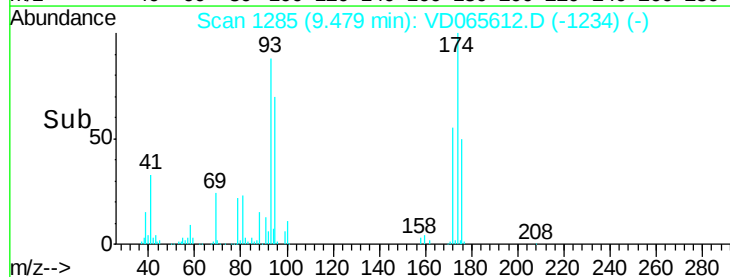
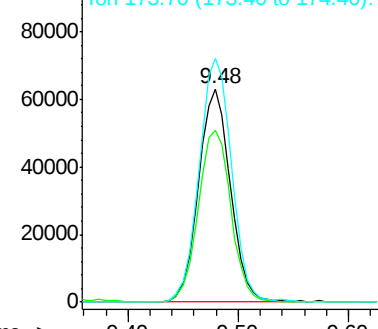
174 116.9 91.5 137.3

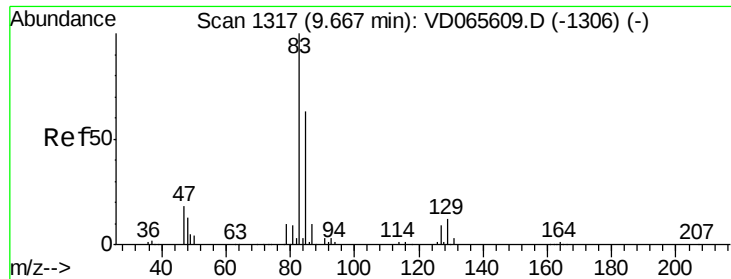


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





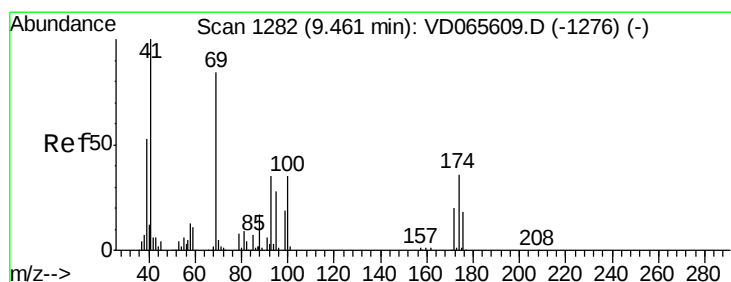
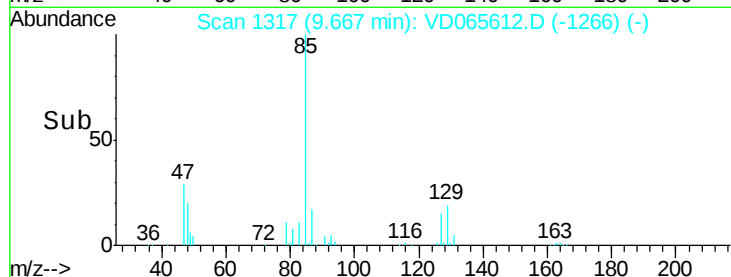
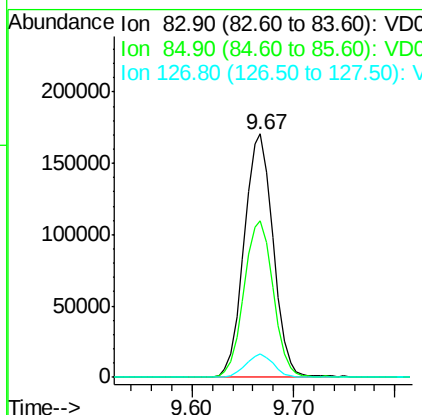
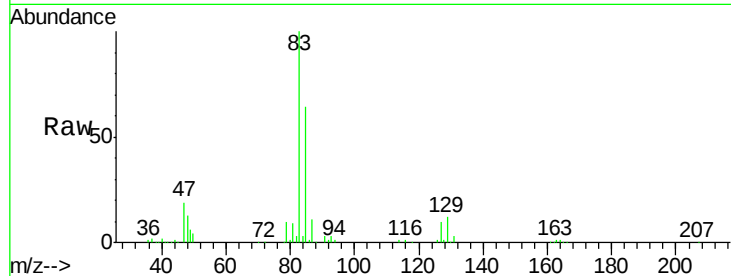
#47
Bromodichloromethane
Concen: 47.831 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	83	Resp	338249
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	50.7	76.1
127	9.5	7.6	11.4

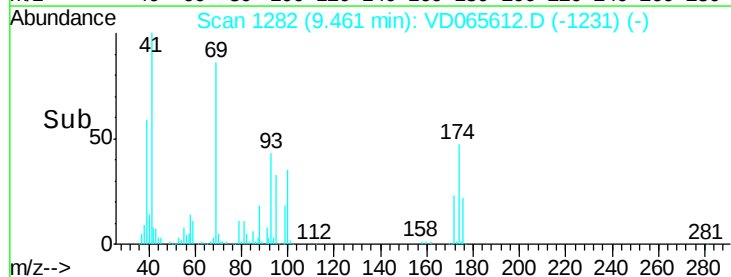
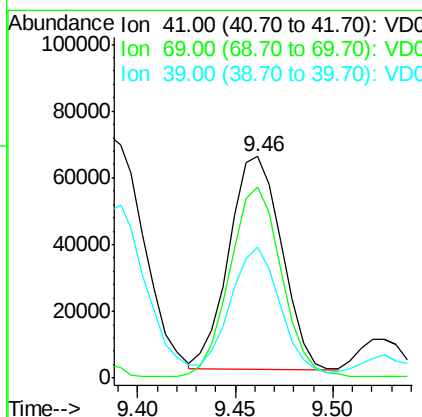
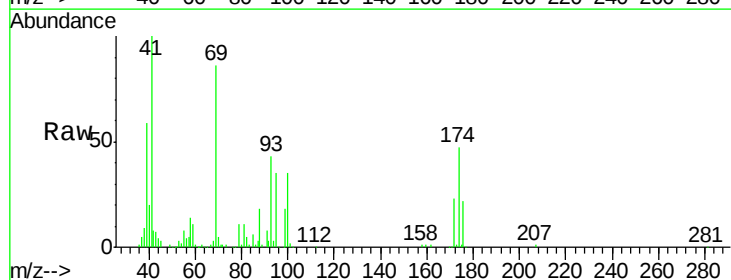
Manual Integrations
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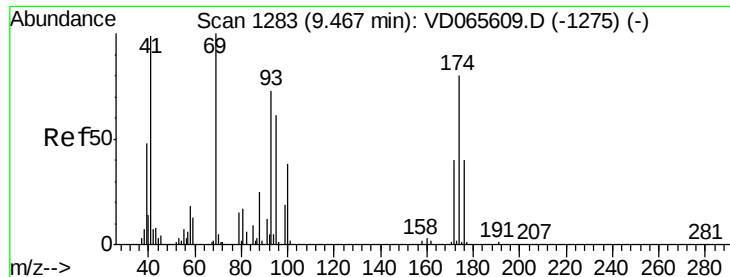
MMDadoda
4/10/2020 2:58:55 PM



#48
Methyl methacrylate
Concen: 52.904 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	41	Resp	119867
Ion Ratio	100	Lower	Upper
41	100		
69	88.1	72.4	108.6
39	53.7	43.5	65.3





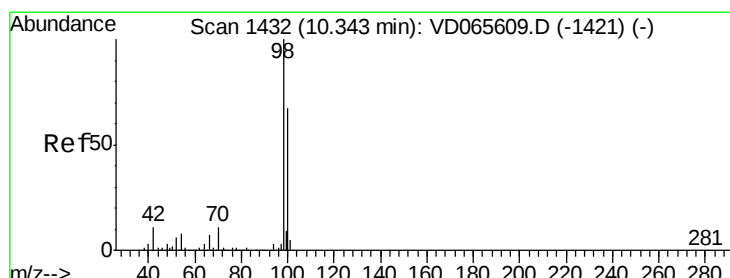
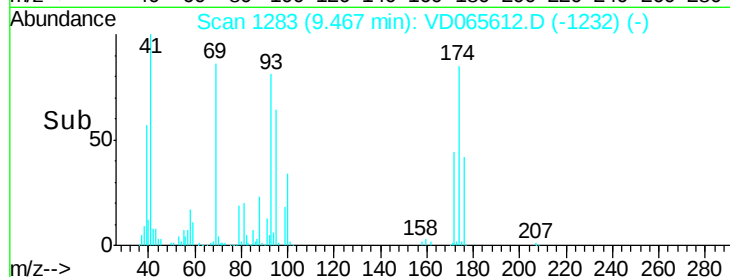
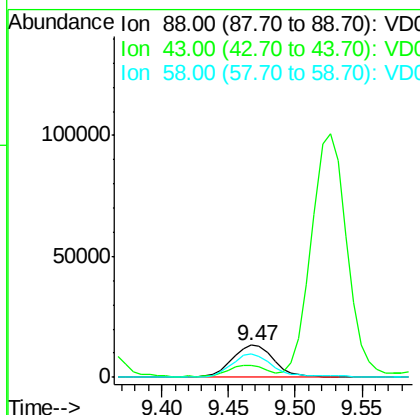
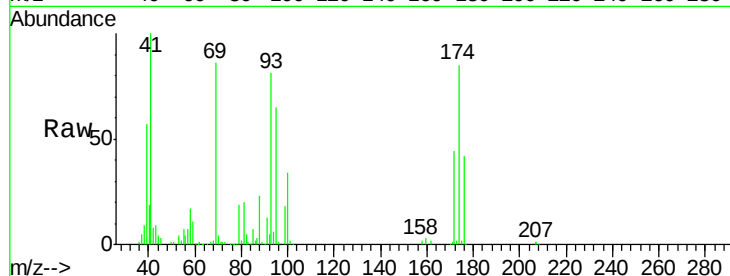
#49
1,4-Dioxane
Concen: 1018.016 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	29.8	44.8
58	71.2	57.7	86.5

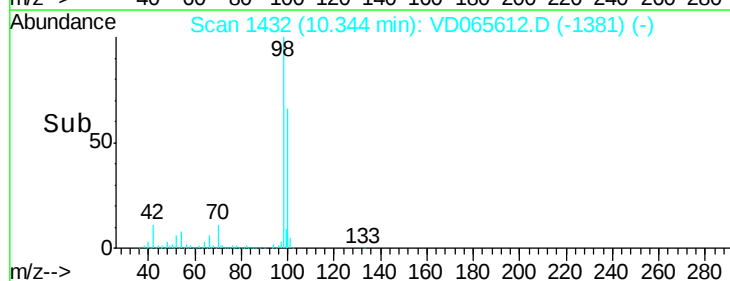
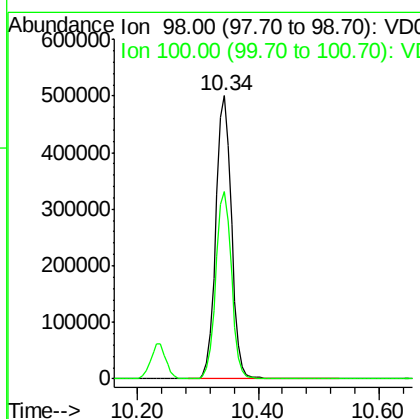
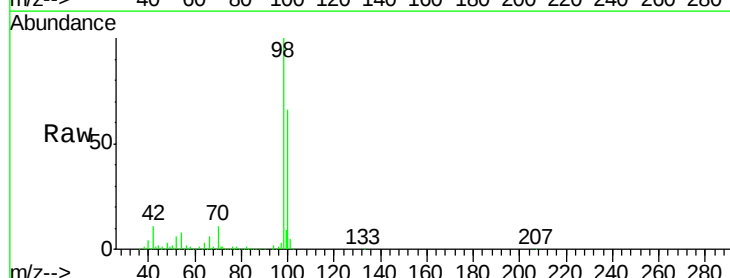
Manual Integrations
APPROVED

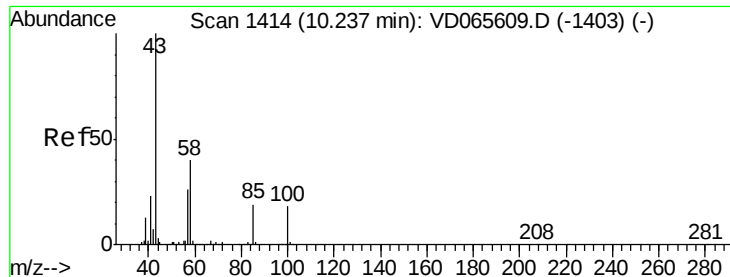
MMDadoda
4/10/2020 2:58:55 PM



#50
Toluene-d8
Concen: 49.878 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.6	79.0





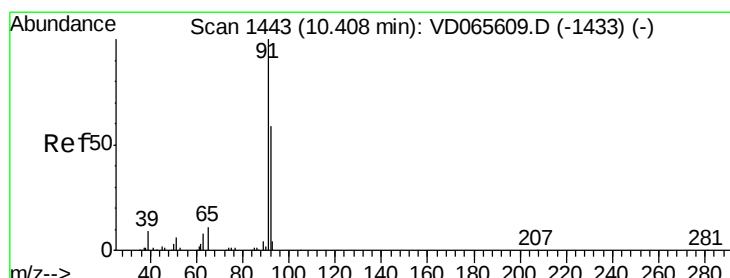
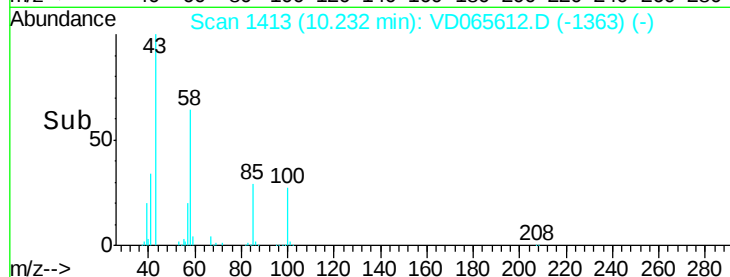
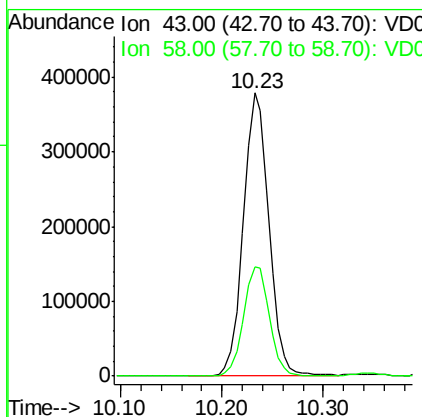
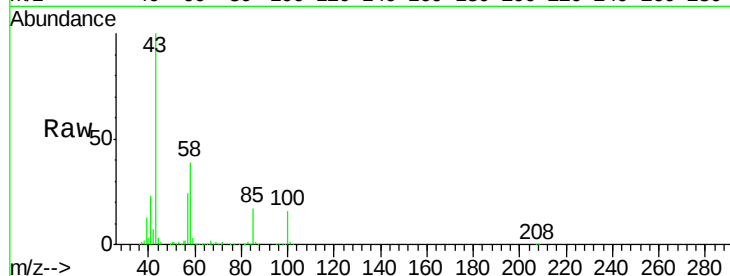
#51
4-Methyl-2-Pentanone
Concen: 263.182 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

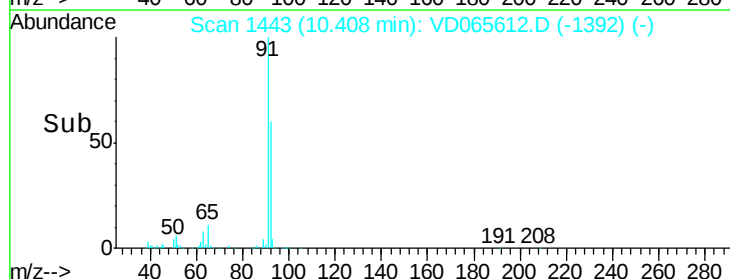
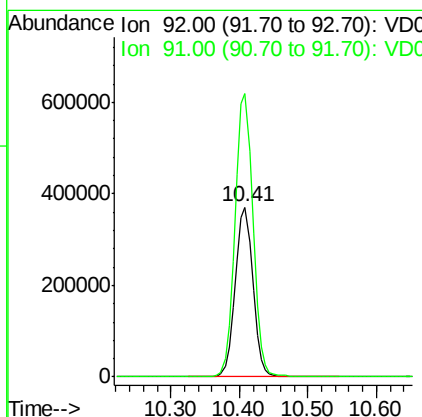
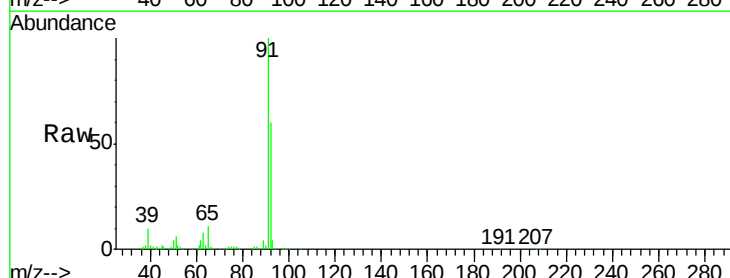
Manual Integrations
APPROVED

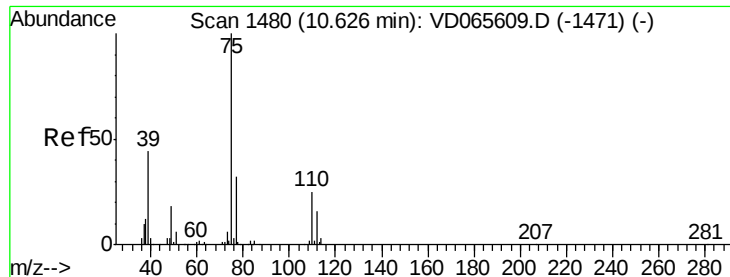
MMDadoda
4/10/2020 2:58:55 PM



#52
Toluene
Concen: 50.686 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.7	137.9	206.9





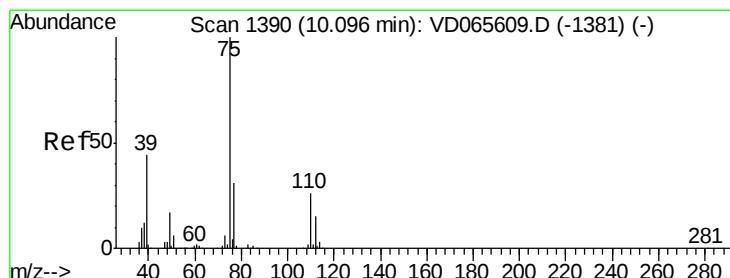
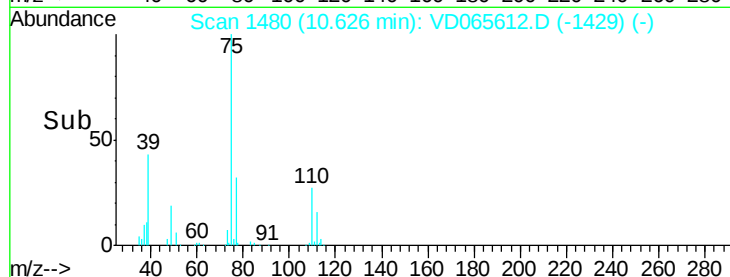
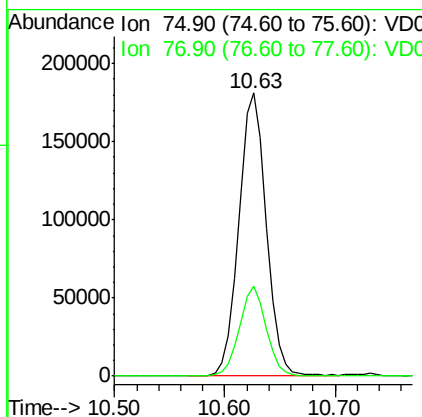
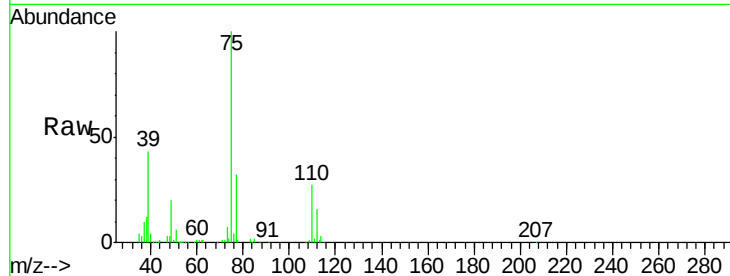
#53
t-1,3-Dichloropropene
Concen: 50.512 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0

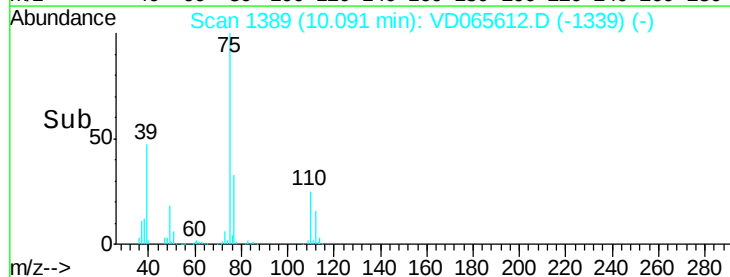
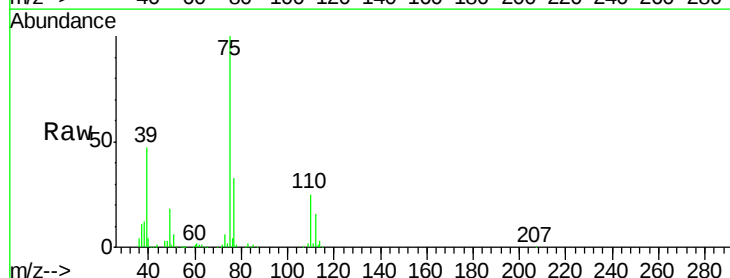
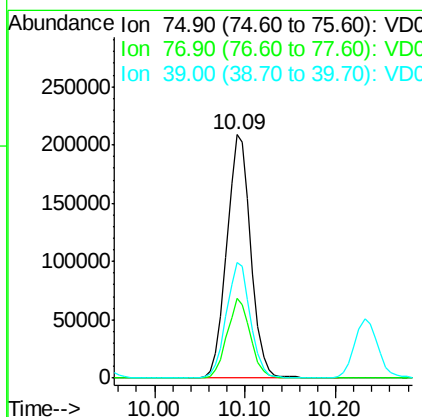
Manual Integrations
APPROVED

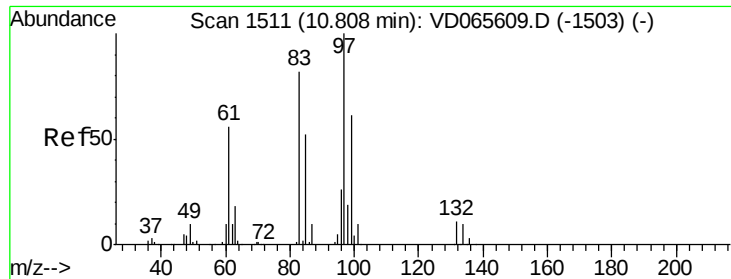
MMDadoda
4/10/2020 2:58:55 PM



#54
cis-1,3-Dichloropropene
Concen: 50.096 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7
39	47.3	35.5	53.3





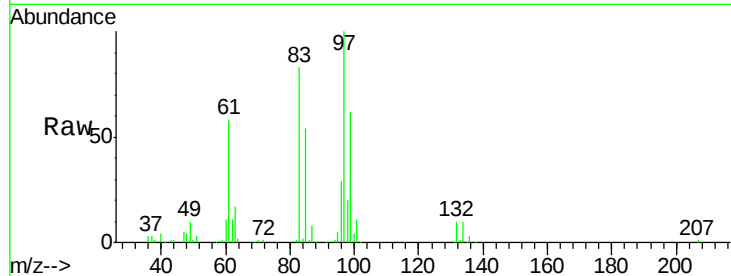
#55
 1,1,2-Trichloroethane
 Concen: 46.696 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

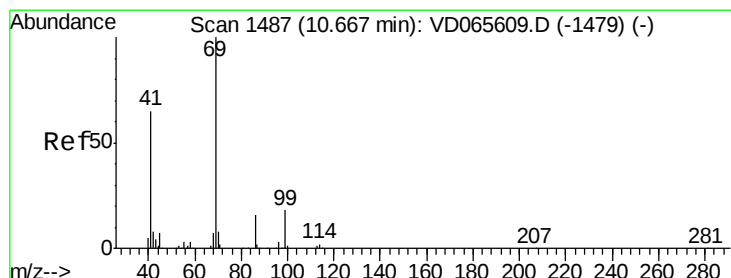
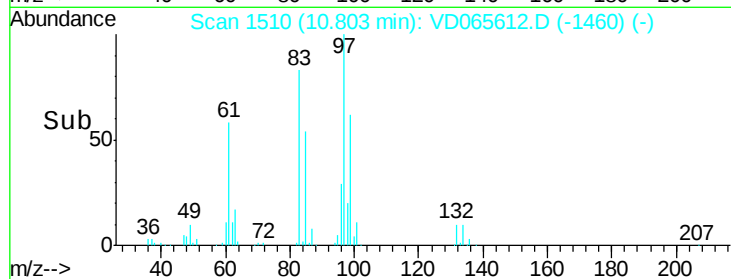
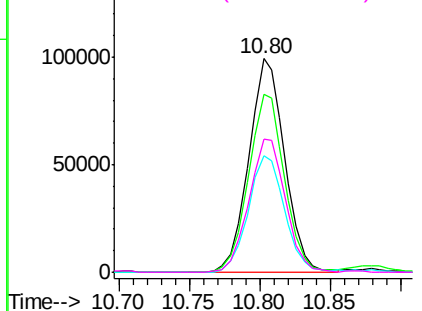
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		176714		
83	83.4	65.7	98.5		
85	54.4	41.6	62.4		
99	62.4	48.7	73.1		

Manual Integrations
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MMDadoda
 4/10/2020 2:58:55 PM

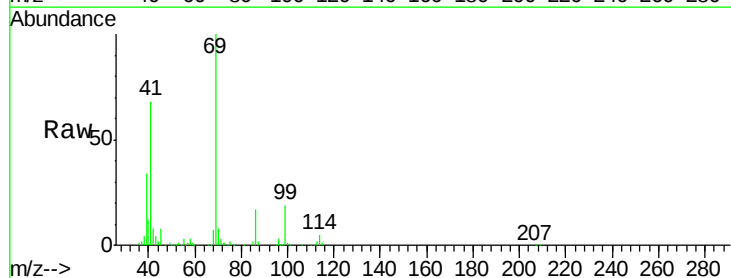


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

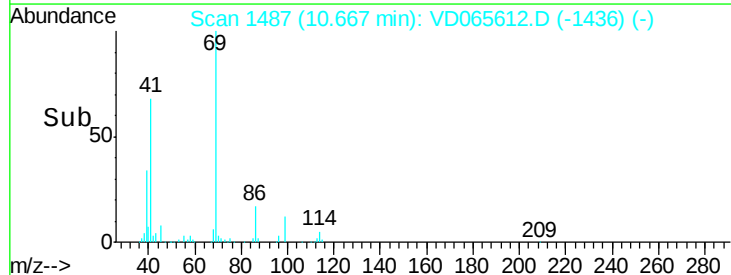
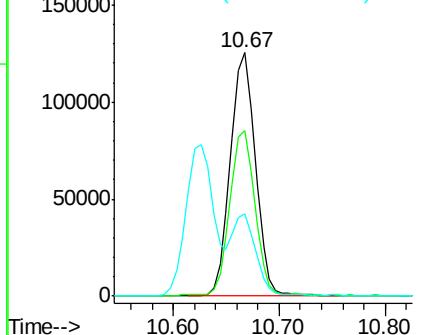


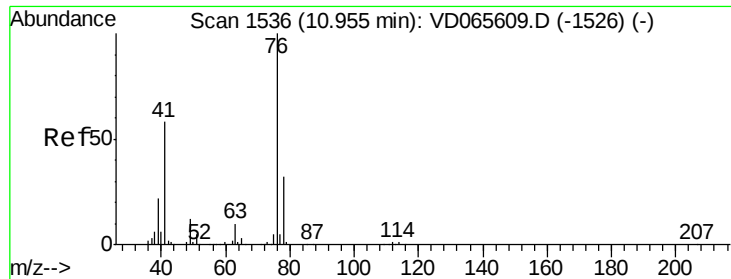
#56
 Ethyl methacrylate
 Concen: 46.018 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		206388		
41	68.4	54.4	81.6		
39	31.1	26.5	39.7		



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





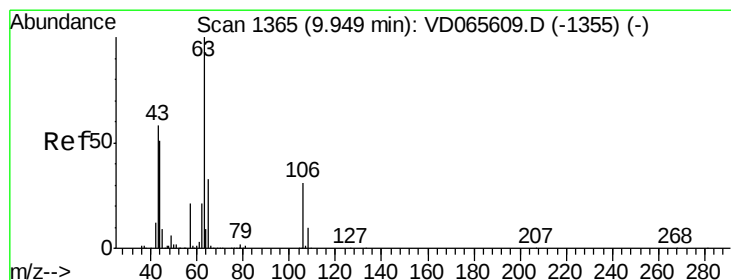
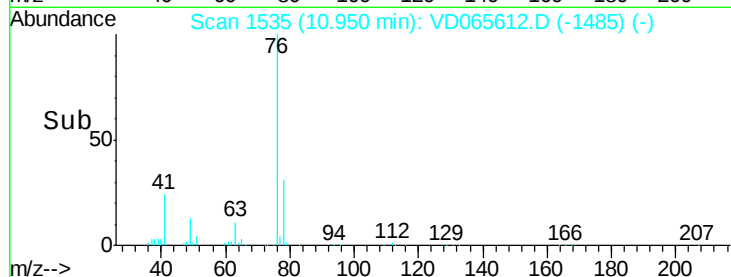
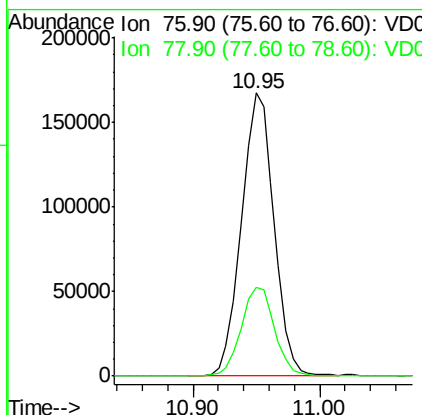
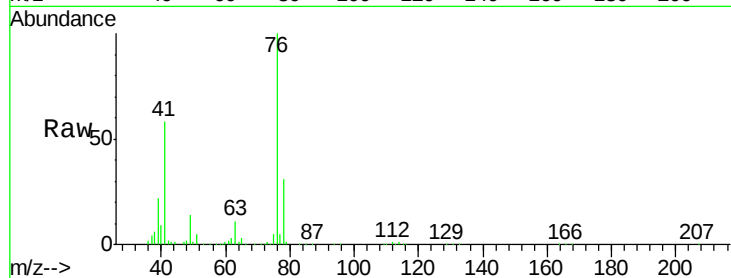
#57
 1,3-Dichloropropane
 Concen: 47.658 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

Tot Ion: 76 Resp: 298730
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.0 39.0

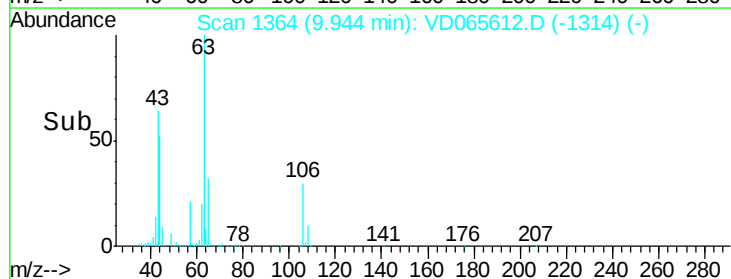
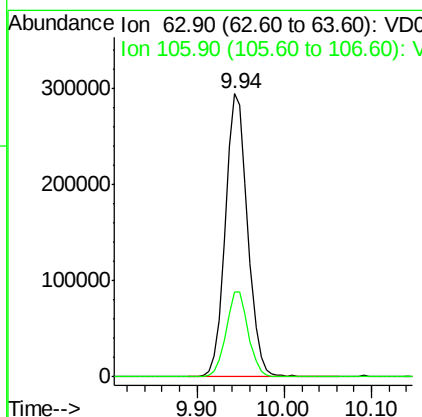
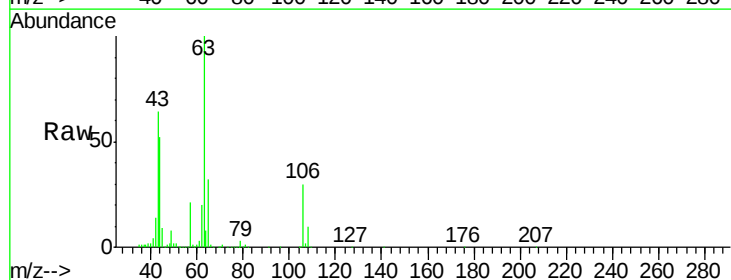
Manual Integrations
 APPROVED

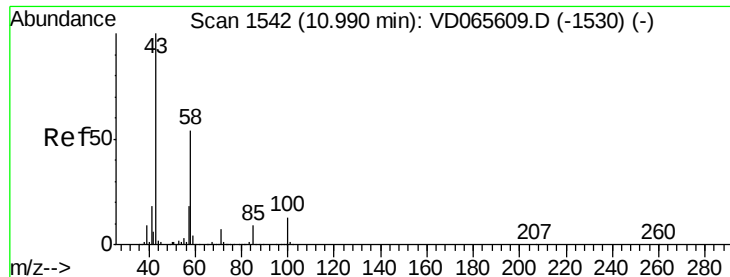
MMDadoda
 4/10/2020 2:58:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.262 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Tgt Ion: 63 Resp: 515654
 Ion Ratio Lower Upper
 63 100
 106 29.9 24.2 36.2





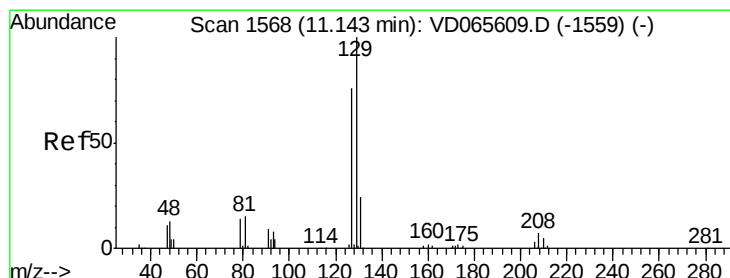
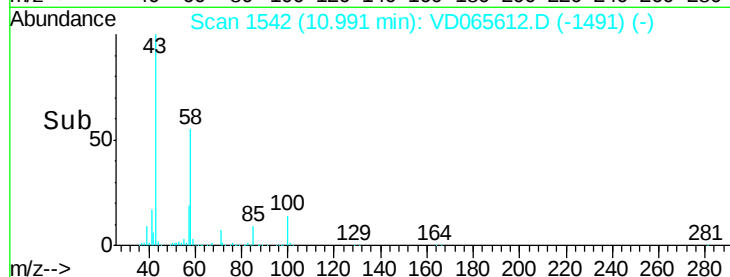
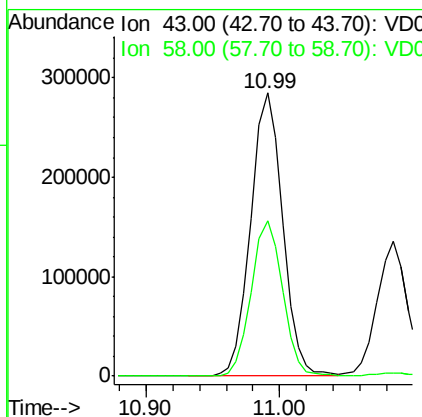
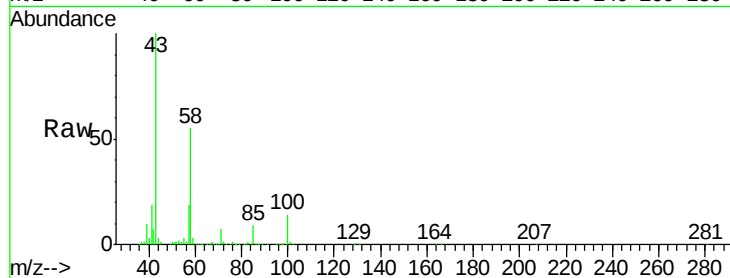
#59
2-Hexanone
Concen: 282.268 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.1	81.3

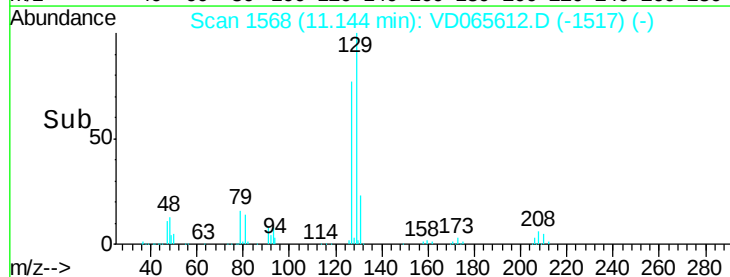
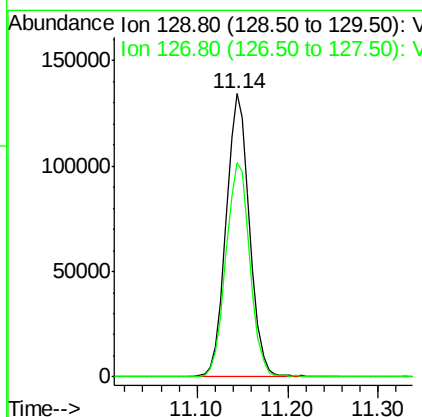
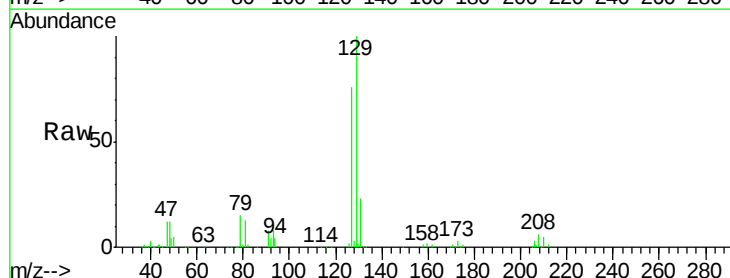
Manual Integrations
APPROVED

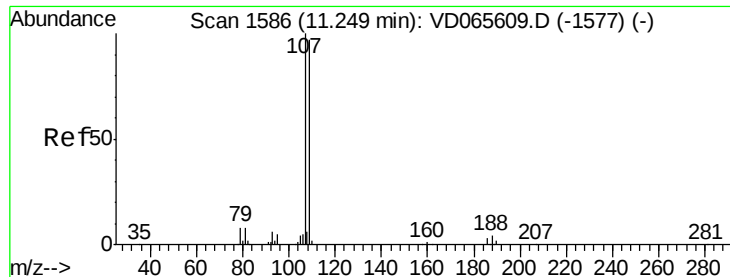
MMDadoda
4/10/2020 2:58:55 PM



#60
Dibromochloromethane
Concen: 47.657 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.1	114.3





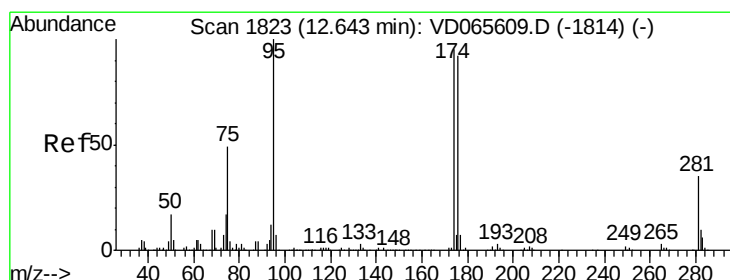
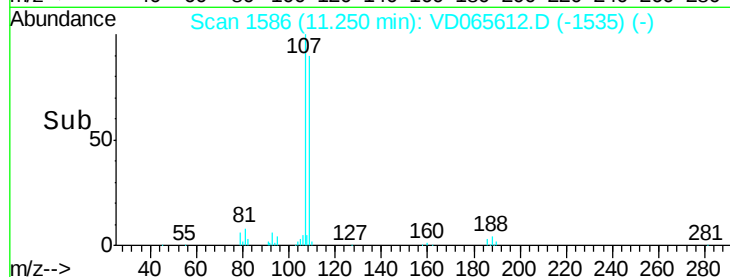
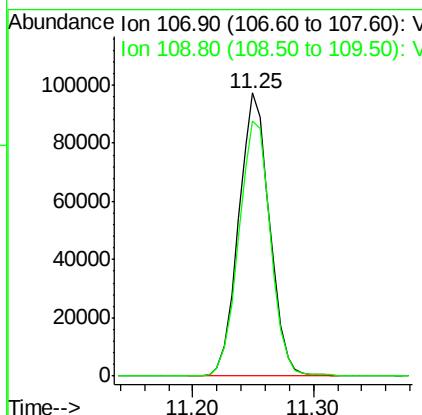
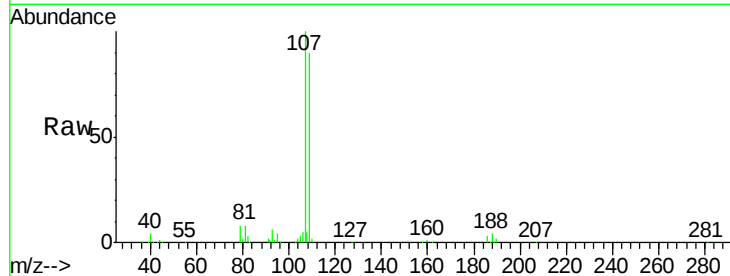
#61
 1,2-Dibromoethane
 Concen: 48.222 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

Tot Ion: 107 Resp: 173473
 Ion Ratio Lower Upper
 107 100
 109 92.8 74.9 112.3

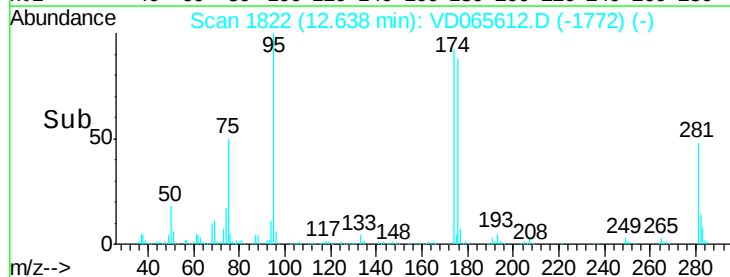
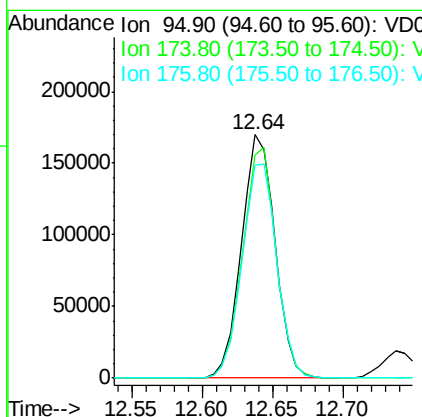
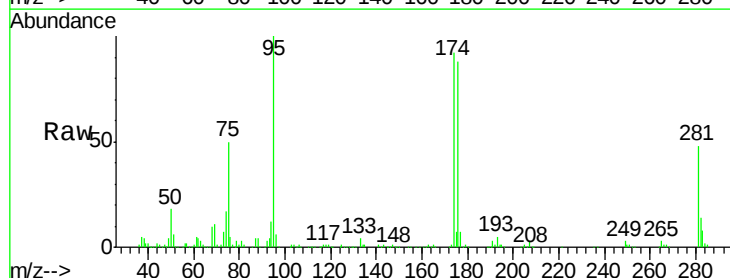
Manual Integrations
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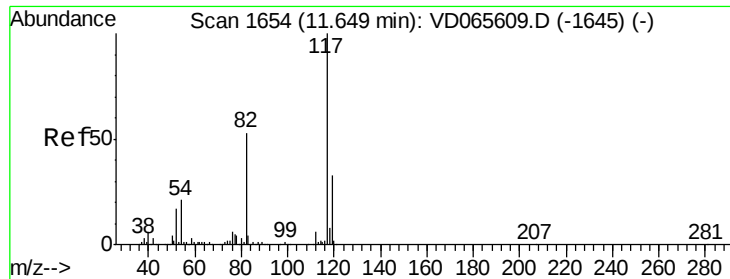
MMDadoda
 4/10/2020 2:58:55 PM



#62
 4-Bromofluorobenzene
 Concen: 49.441 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Tgt Ion: 95 Resp: 283912
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 182.8
 176 90.9 0.0 176.6





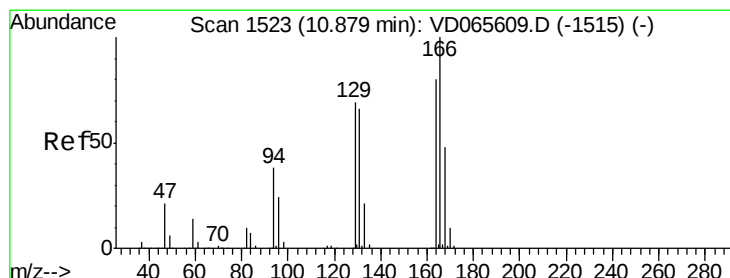
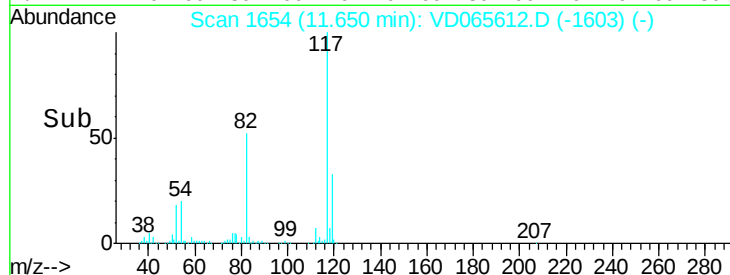
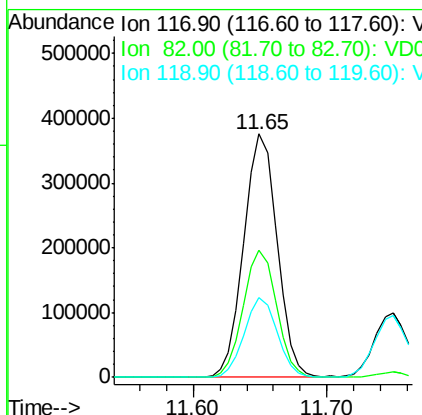
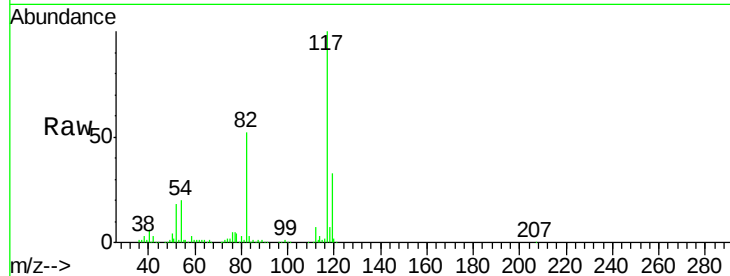
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	64.0
119	32.8	26.7	40.1

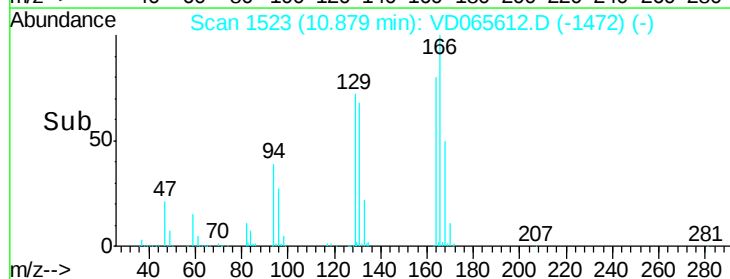
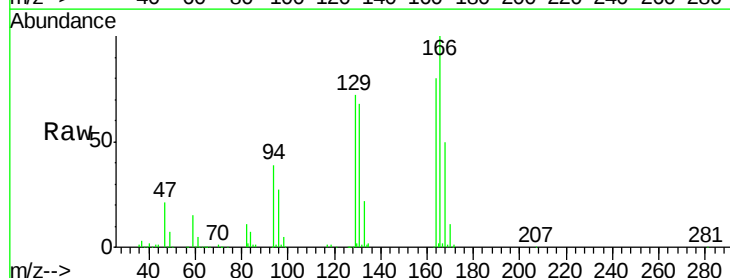
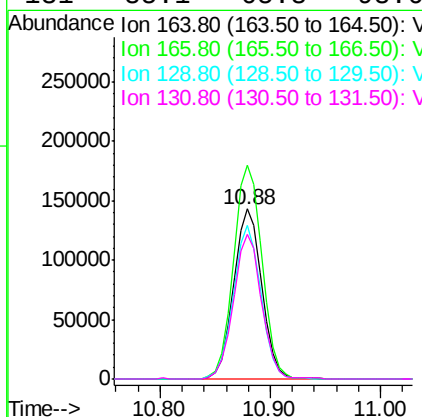
Manual Integrations
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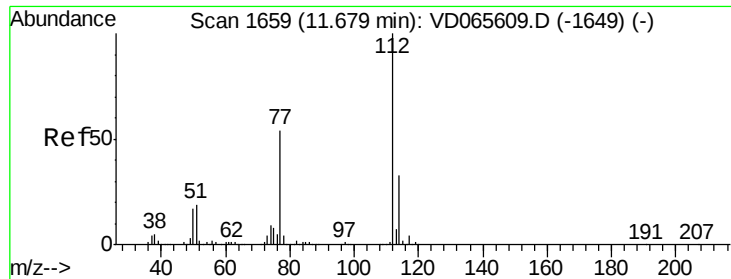
MMDadoda
4/10/2020 2:58:55 PM



#64
Tetrachloroethene
Concen: 49.522 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.2	150.2
129	90.3	69.5	104.3
131	85.1	65.8	98.6





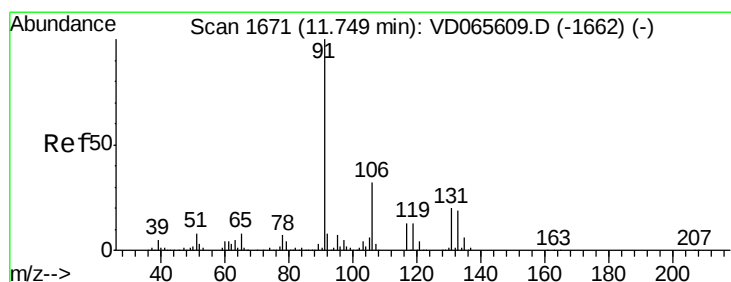
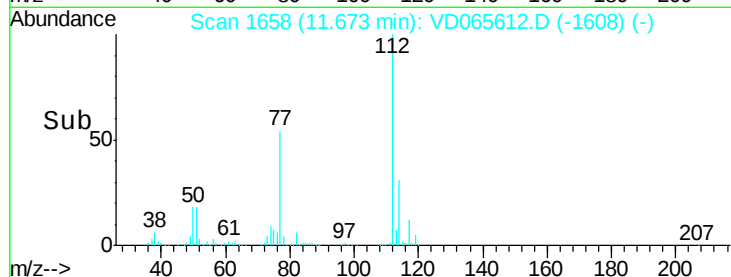
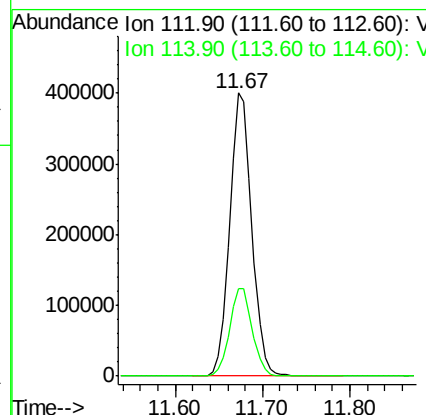
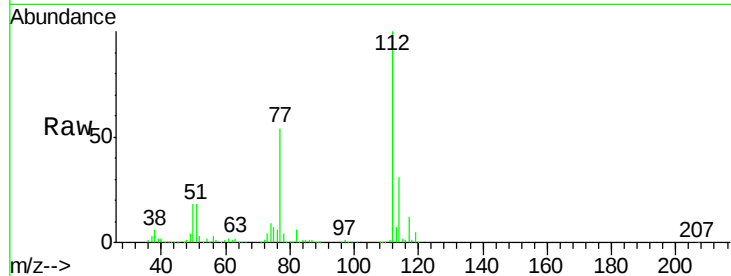
#65
Chlorobenzene
Concen: 48.918 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Resp	Lower	Upper
112	100	689903		
114	31.0	26.2	39.2	

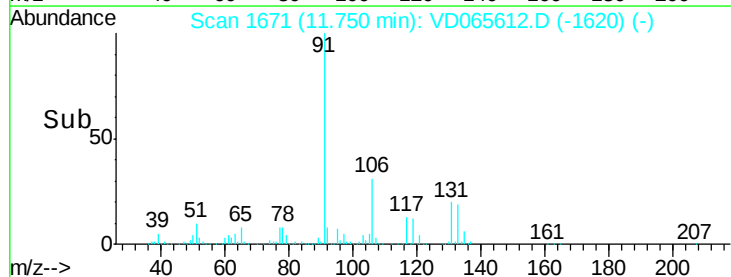
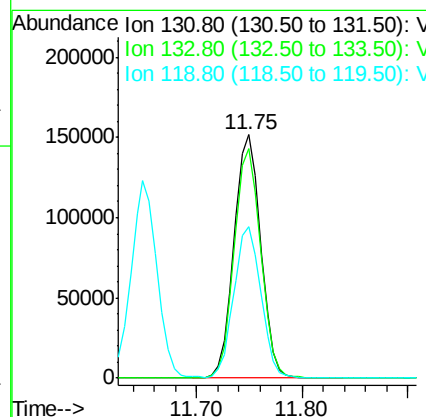
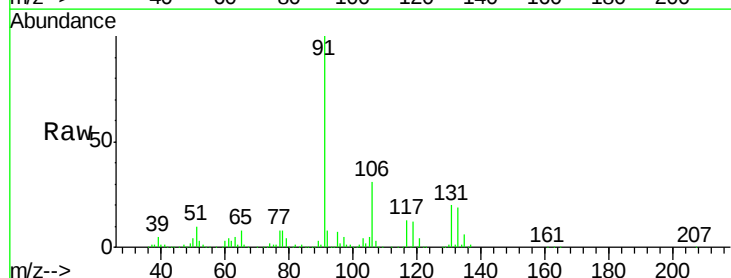
Manual Integrations
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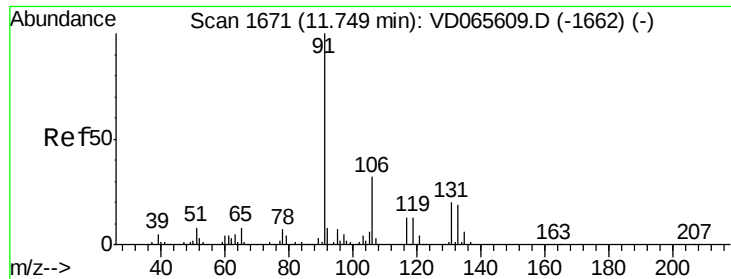
MMDadoda
4/10/2020 2:58:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.196 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	264306		
133	93.8	47.3	142.0	
119	62.7	31.9	95.9	





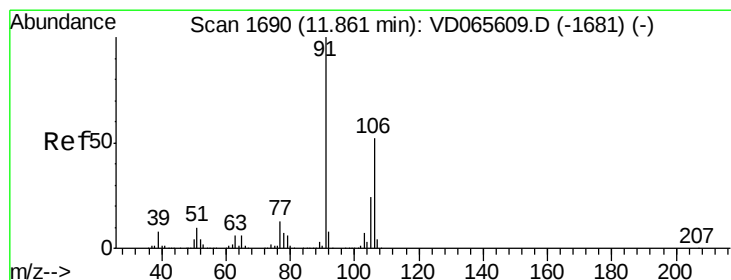
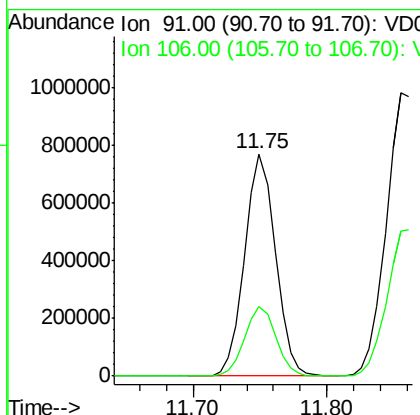
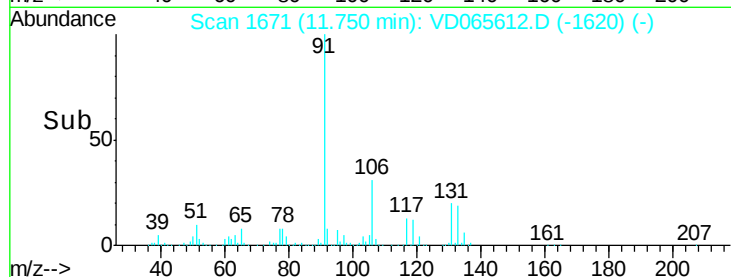
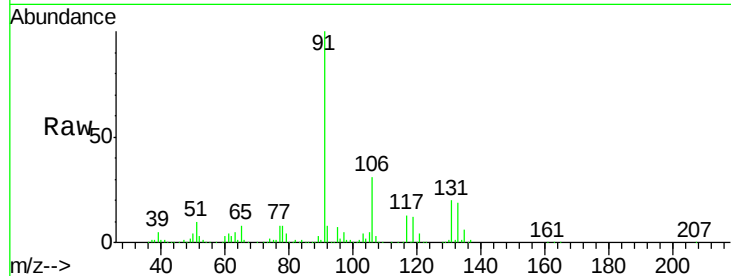
#67
Ethyl Benzene
Concen: 52.907 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion: 91 Resp: 1232116
Ion Ratio Lower Upper
91 100
106 31.4 25.6 38.4

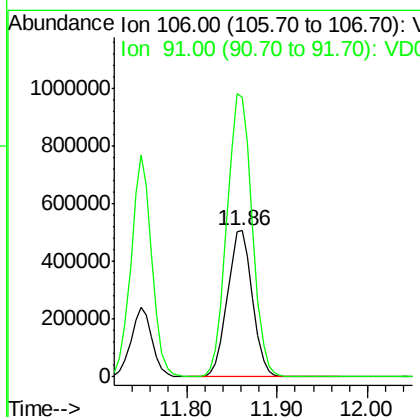
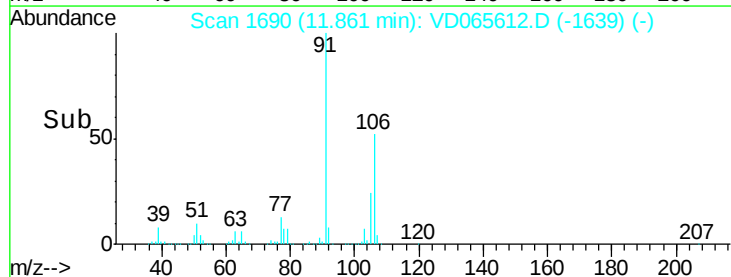
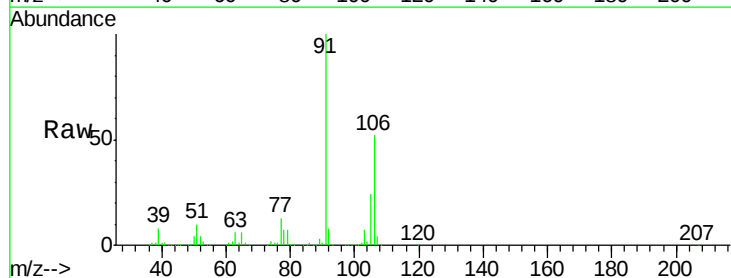
Manual Integrations
APPROVED

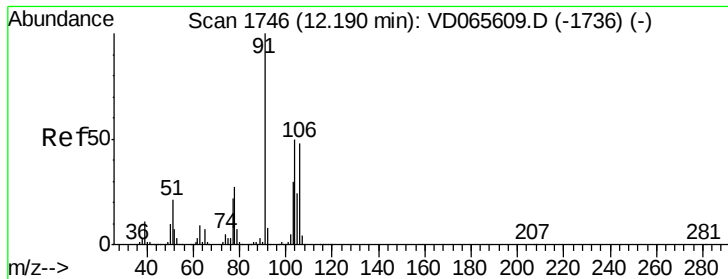
MMDadoda
4/10/2020 2:58:55 PM



#68
m/p-Xylenes
Concen: 105.642 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion: 106 Resp: 970621
Ion Ratio Lower Upper
106 100
91 195.6 155.0 232.4





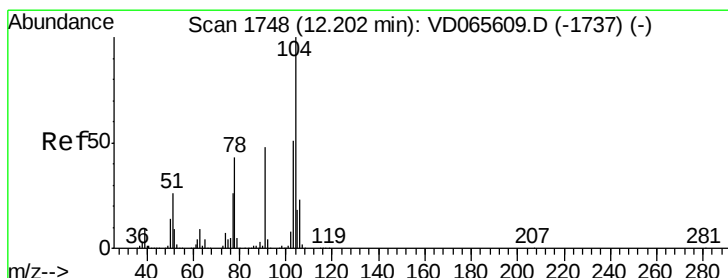
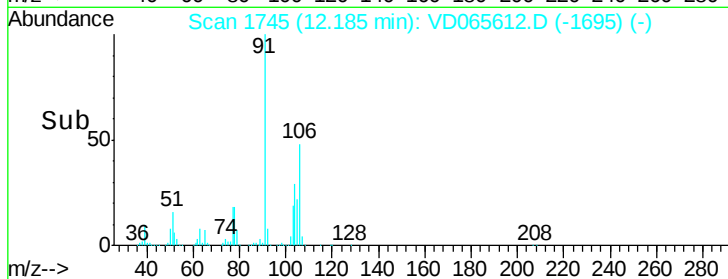
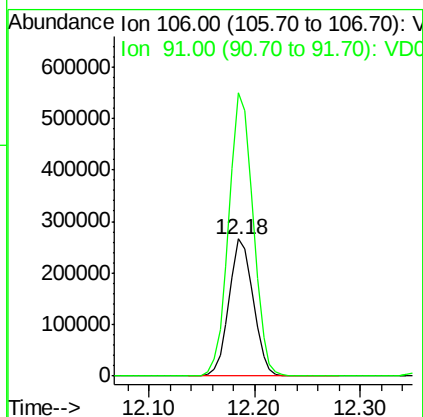
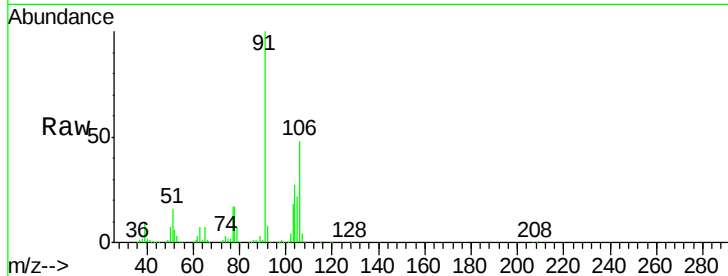
#69
o-Xylene
Concen: 53.349 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	422376		
91	91	207.3	103.8	311.3	

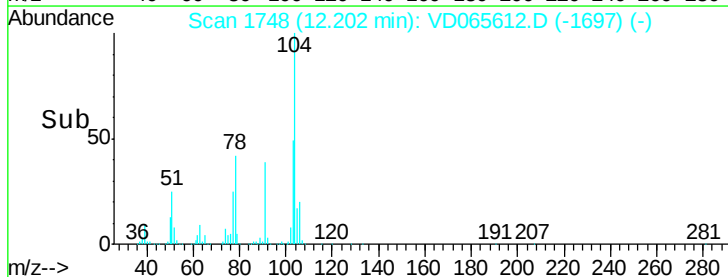
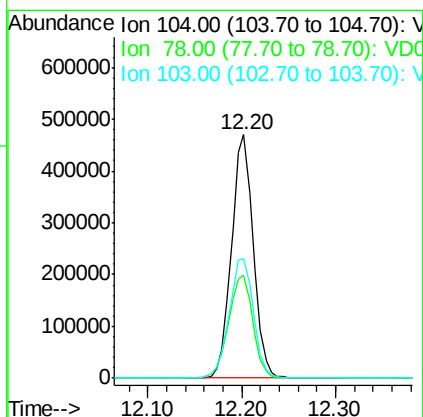
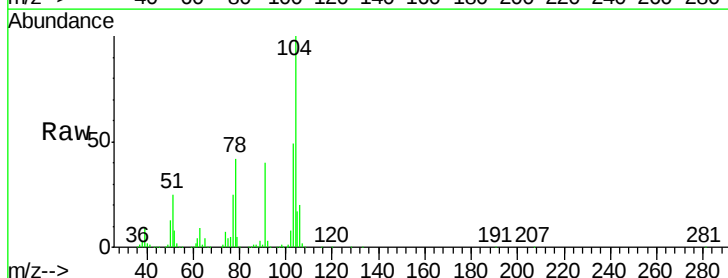
Manual Integrations
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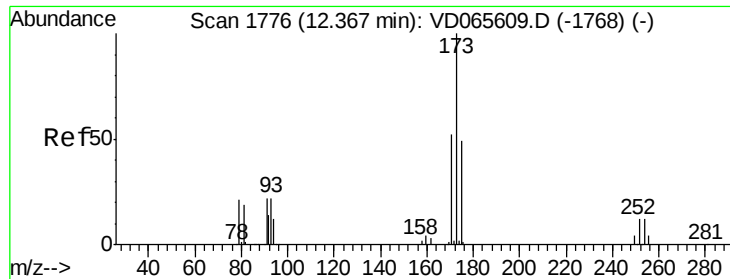
MMDadoda
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#70
Styrene
Concen: 53.952 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	755177		
78	78	46.9	37.1	55.7	
103	103	54.6	43.2	64.8	





#71

Bromoform

Concen: 47.330 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

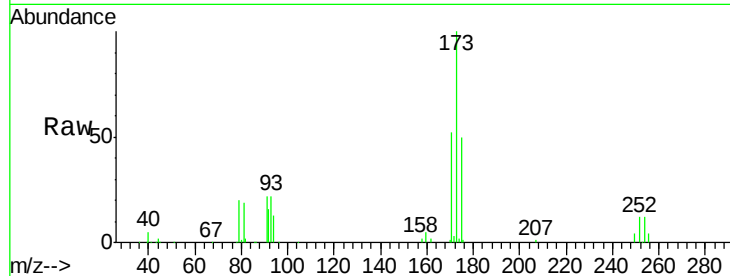
ClientSampleId :

ICVVD040920

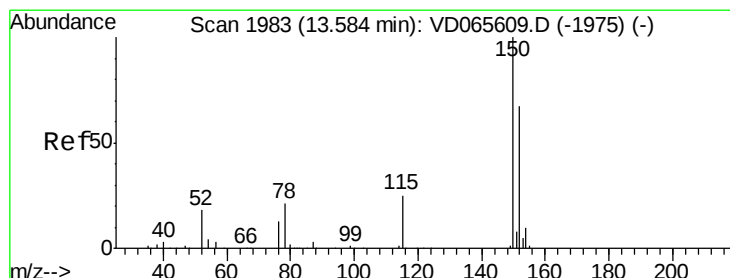
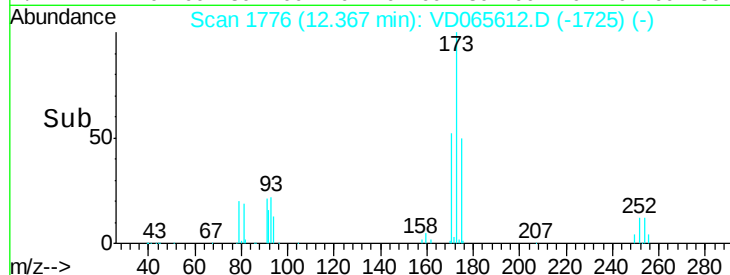
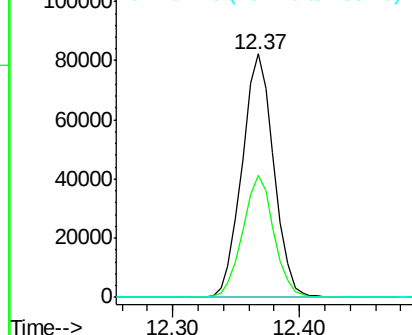
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.5	73.5
254	0.1	0.0	0.0

Manual Integrations
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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

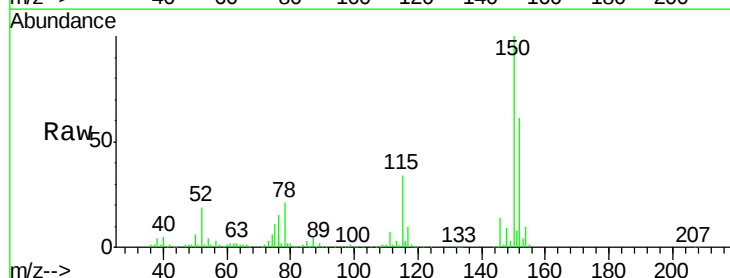
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

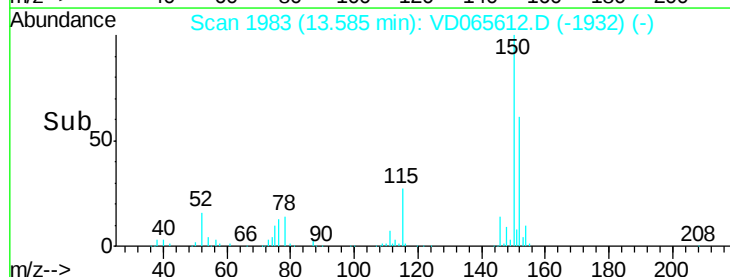
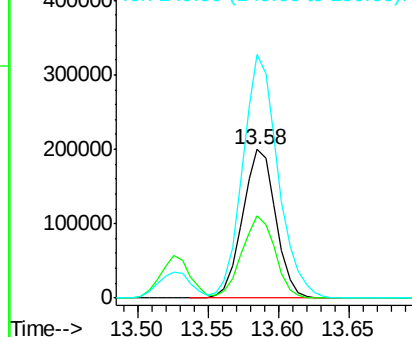
Lab File: VD065612.D

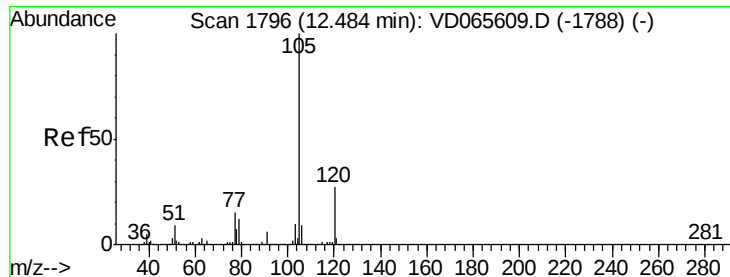
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.1	81.2
150	174.4	0.0	348.2



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





#73

Isopropylbenzene

Concen: 56.412 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

ICVVD040920

Tot Ion:105 Resp: 1179498

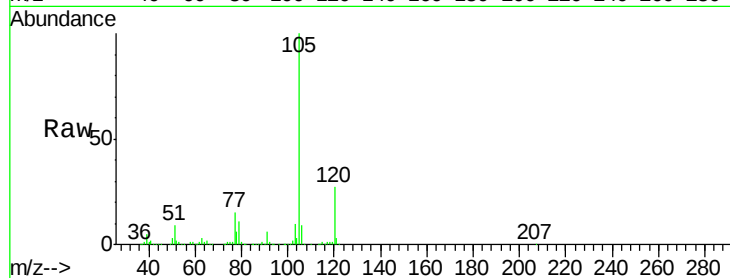
Ion Ratio Lower Upper

105 100

120 27.4 13.8 41.3

Manual Integrations
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4/10/2020 2:58:55 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

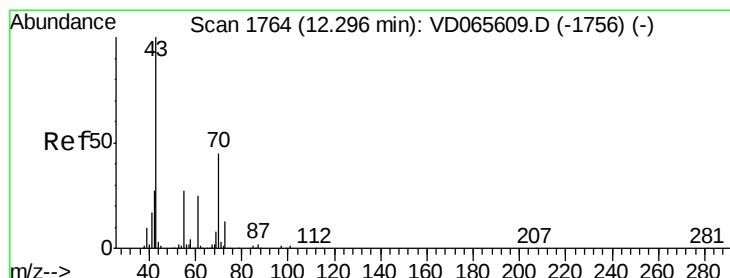
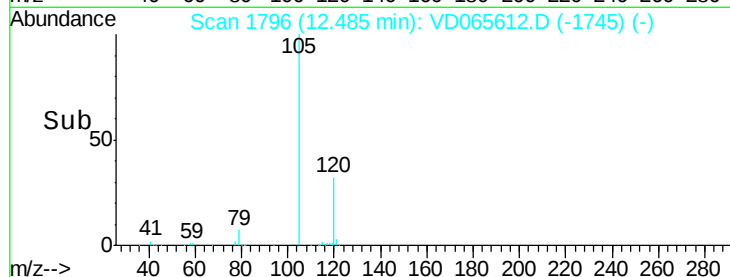
0

12.40

12.48

12.50

Time-->



#74

N-ethyl acetate

Concen: 47.111 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Tgt Ion: 43 Resp: 222485

Ion Ratio Lower Upper

43 100

70 45.2 35.2 52.8

55 27.8 22.5 33.7

61 24.6 19.4 29.0

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

100000

50000

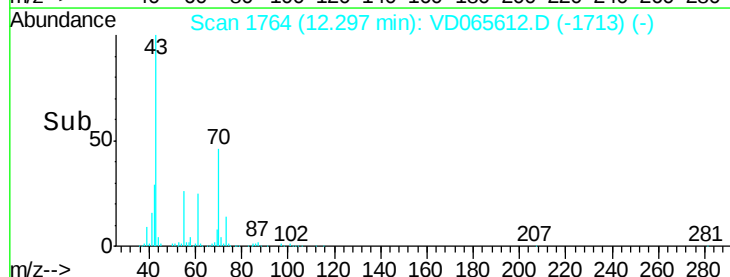
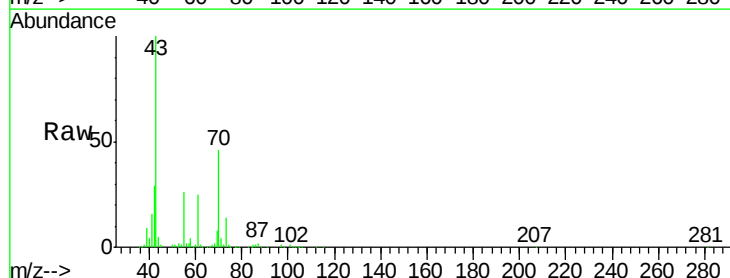
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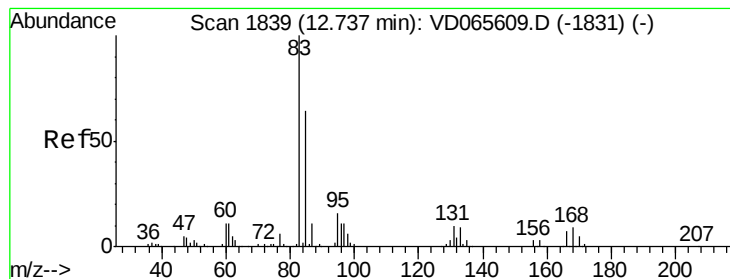
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.702 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

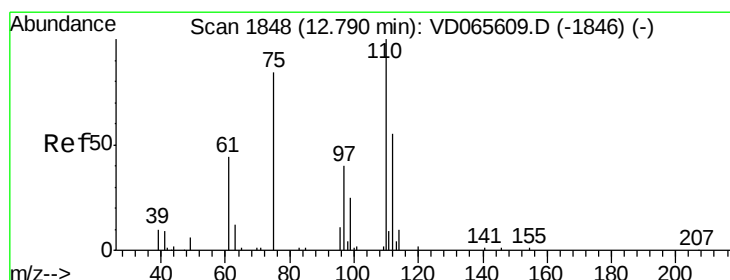
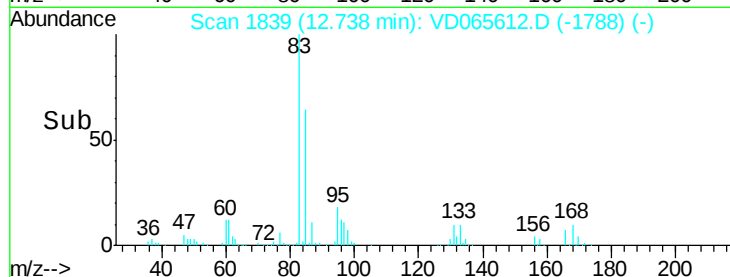
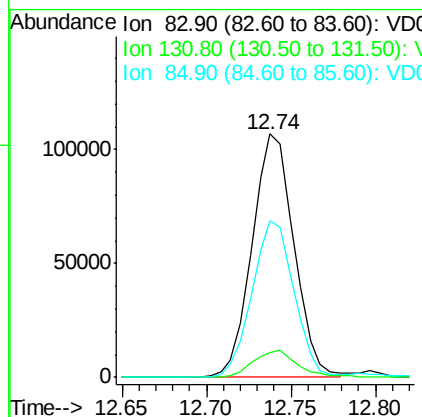
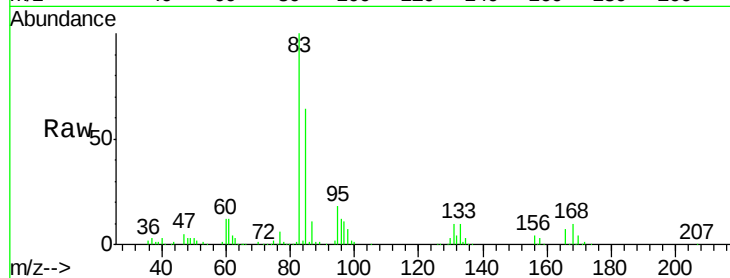
ClientSampleId :

ICVVD040920

Tot Ion:	83	Resp:	183343
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.0
85	64.5	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.729 ug/l m

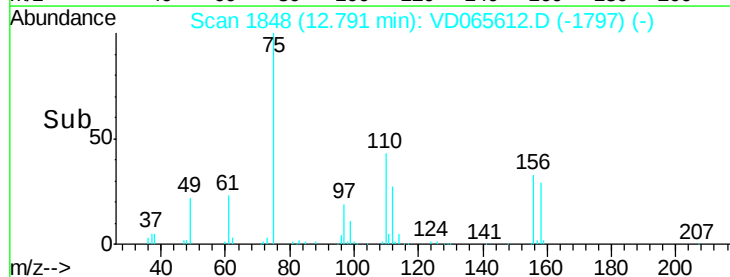
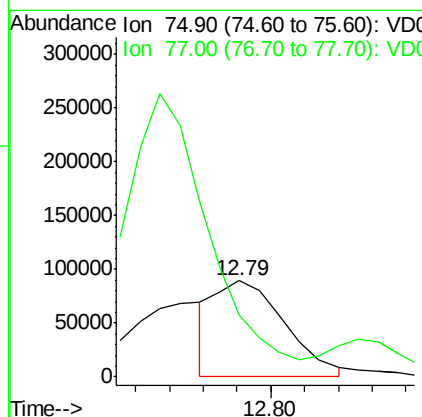
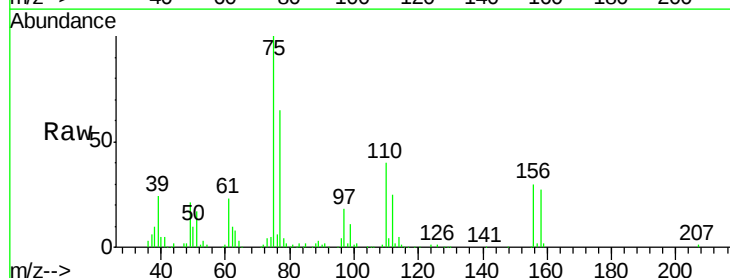
RT: 12.79 min Scan# 1848

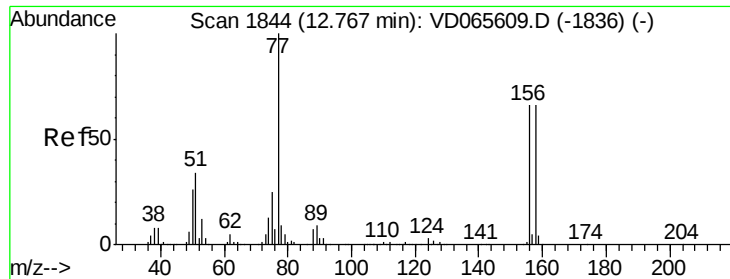
Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Tgt Ion:	75	Resp:	128245
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.459 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

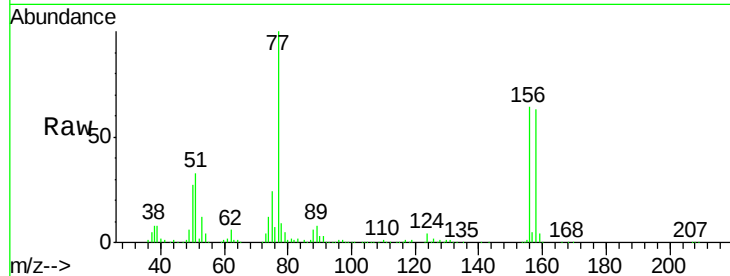
ClientSampleId :

ICVVD040920

Tot Ion:	156	Resp:	289237
Ion Ratio	Lower	Upper	
156	100		
77	162.7	80.3	240.9
158	96.8	48.5	145.5

Manual Integrations
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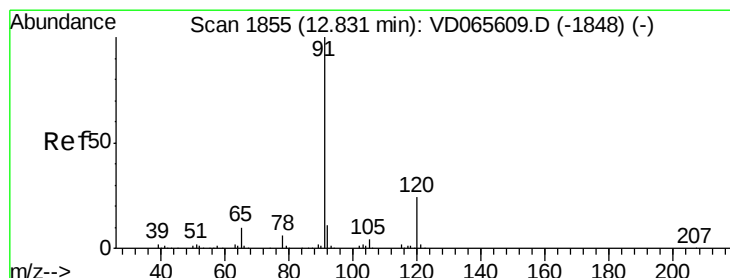
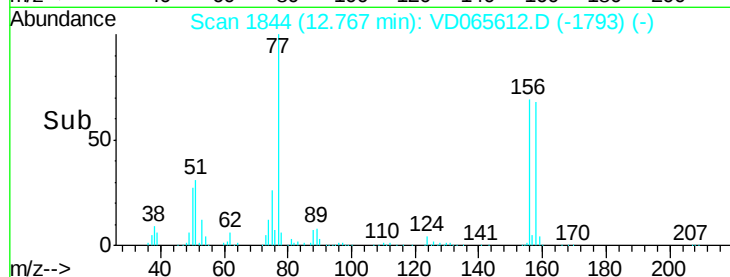
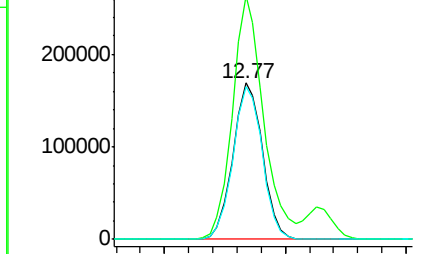
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.498 ug/l

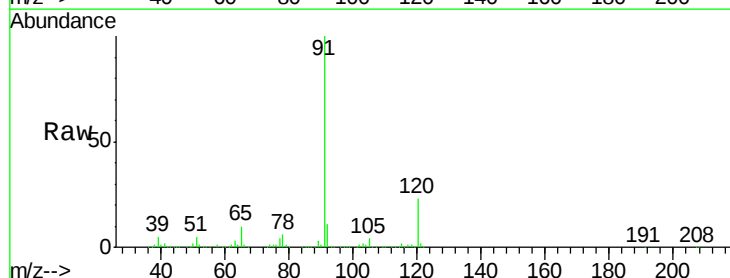
RT: 12.83 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VD065612.D

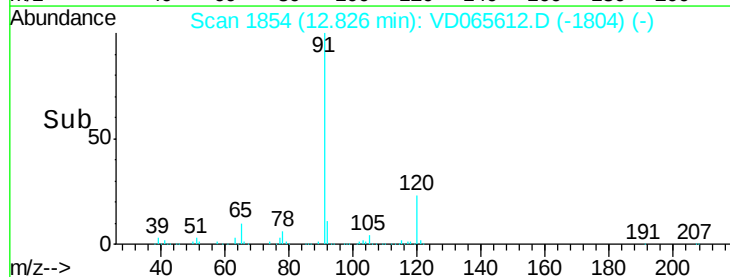
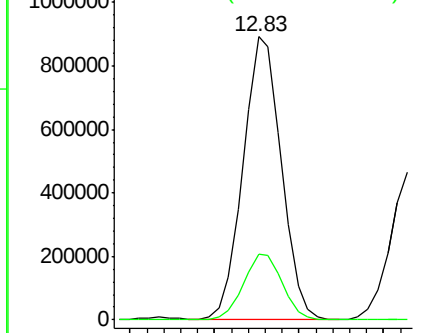
Acq: 09 Apr 2020 15:25

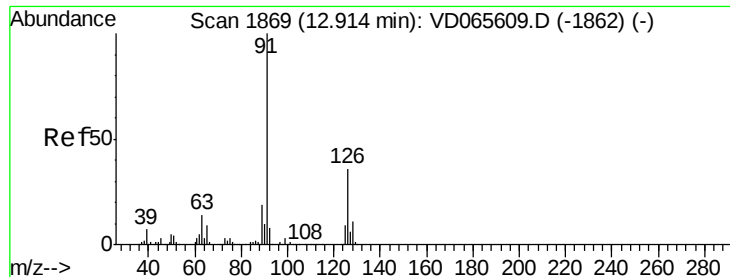
Tgt Ion:	91	Resp:	1400431
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.354 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

ICVVD040920

Tot Ion: 91 Resp: 771599

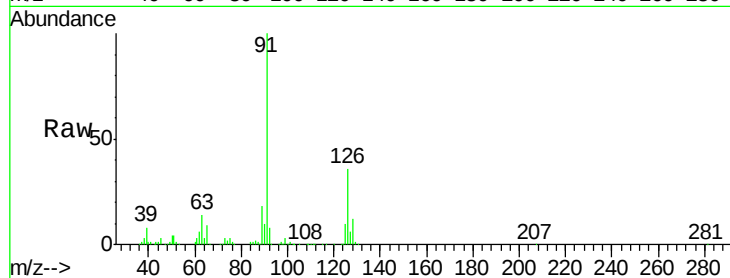
Ion Ratio Lower Upper

91 100

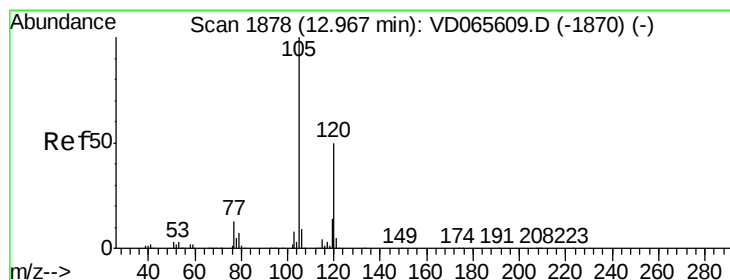
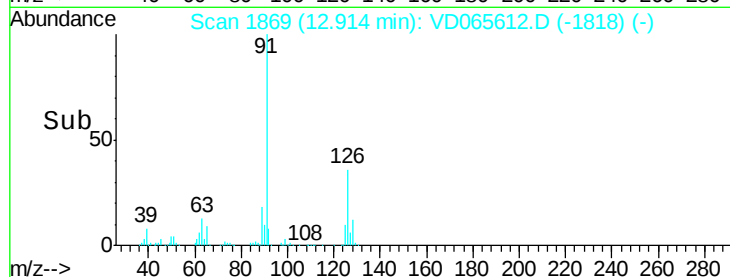
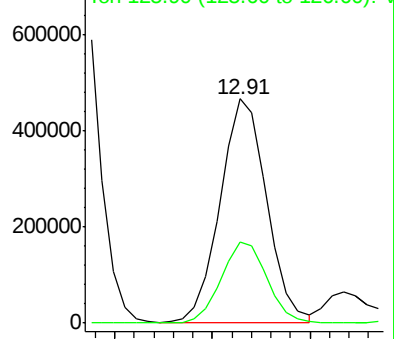
126 35.7 18.0 54.0

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Abundance Ion 91.00 (90.70 to 91.70): VD065612.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.622 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065612.D

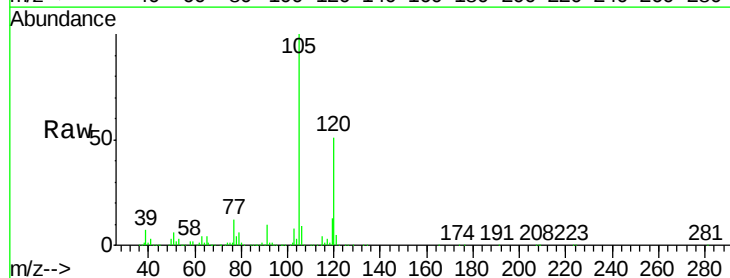
Acq: 09 Apr 2020 15:25

Tgt Ion: 105 Resp: 980196

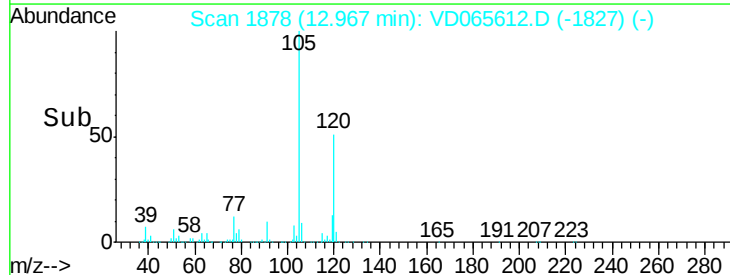
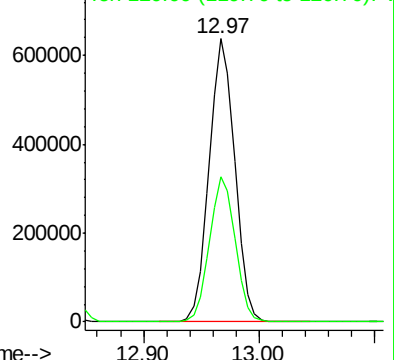
Ion Ratio Lower Upper

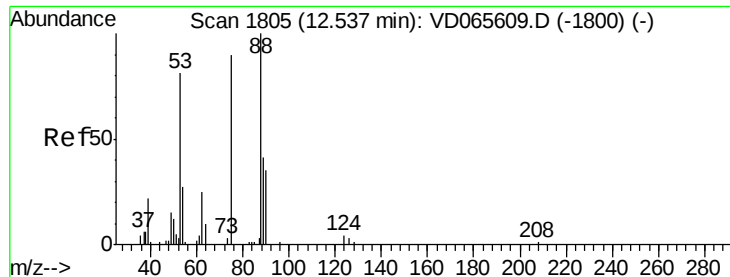
105 100

120 51.4 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VD065612.D (-1827) (-)





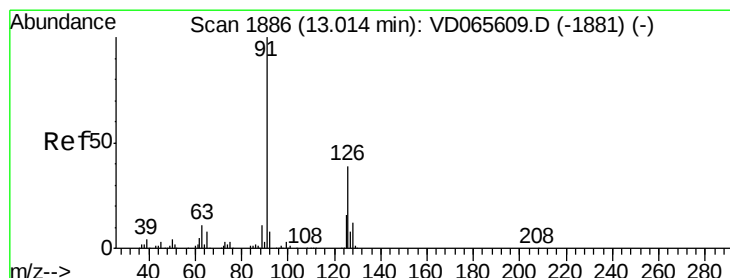
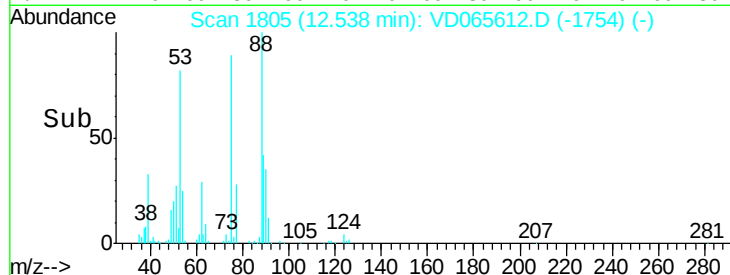
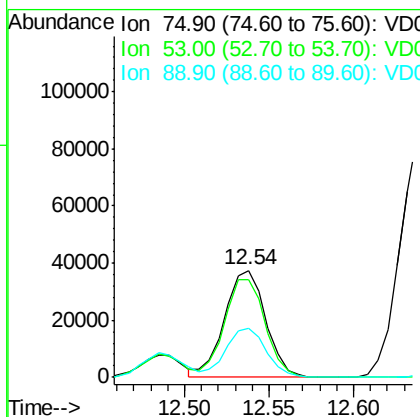
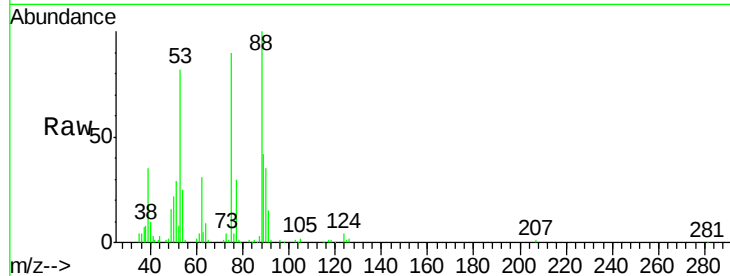
#81
trans-1,4-Dichloro-2-butene
Concen: 55.241 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	73.8	110.8
89	45.9	36.1	54.1

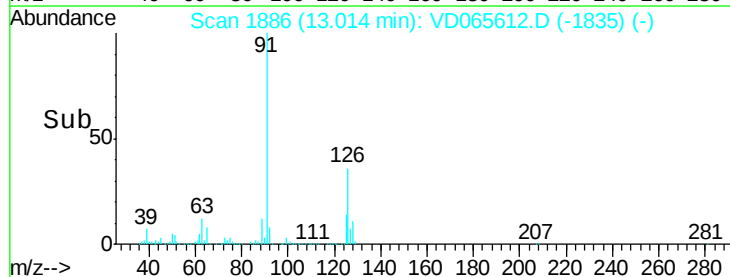
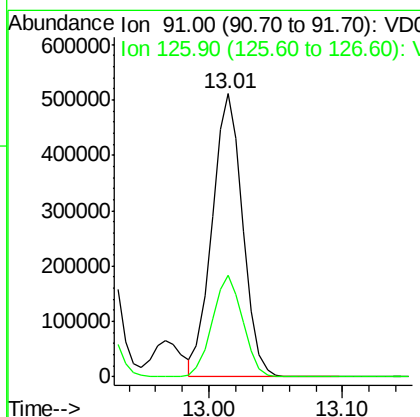
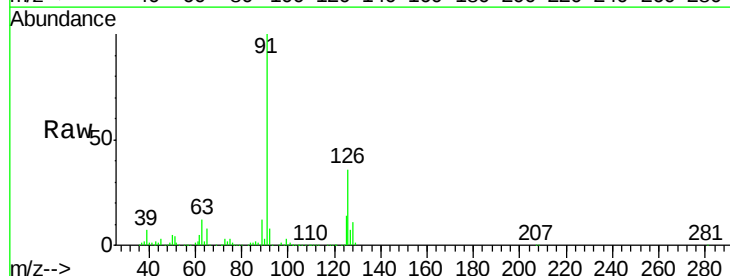
Manual Integrations
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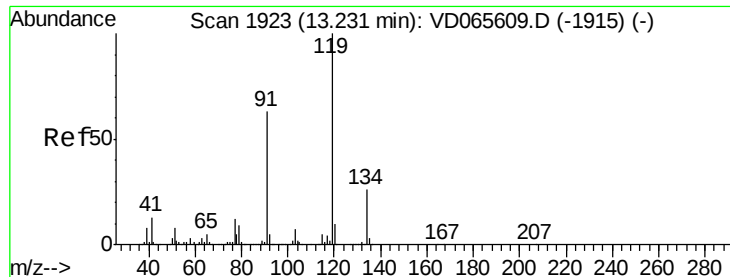
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.493 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.1	54.4





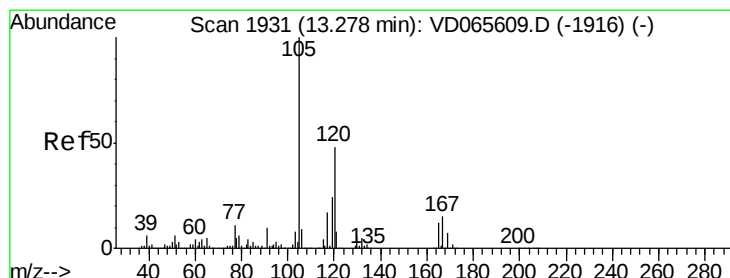
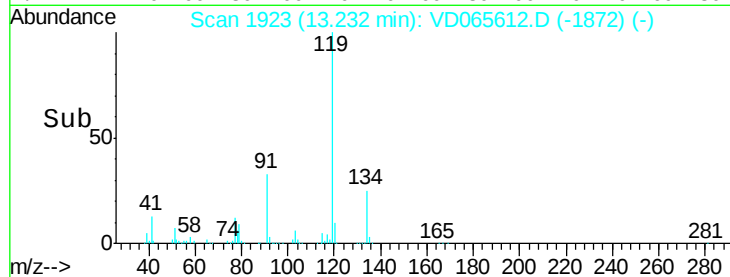
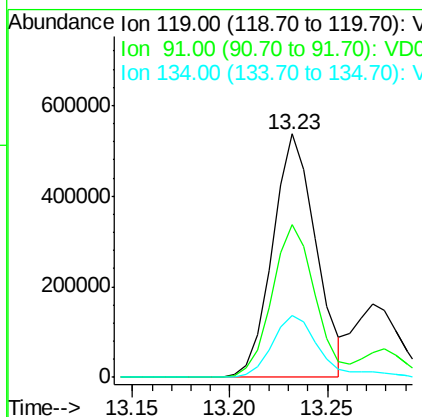
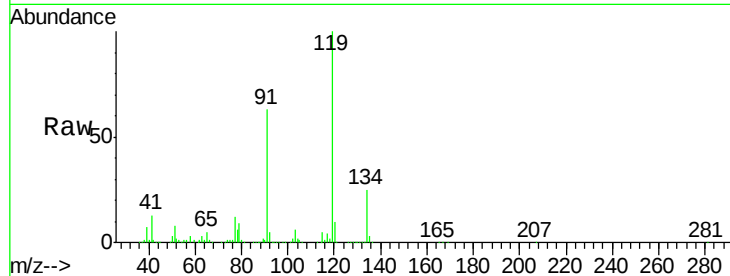
#83
 tert-Butylbenzene
 Concen: 56.001 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

Tot Ion	Ratio	Resp	Lower	Upper
119	100	825205		
91	62.9		30.4	91.2
134	28.0		13.7	41.0

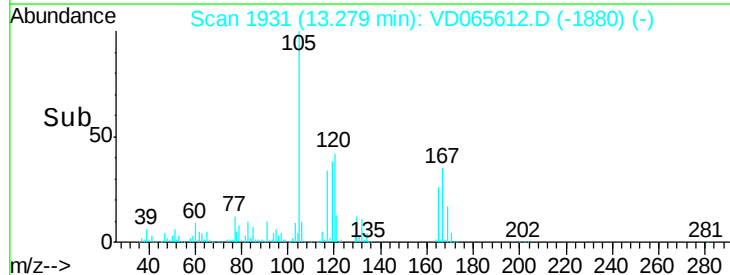
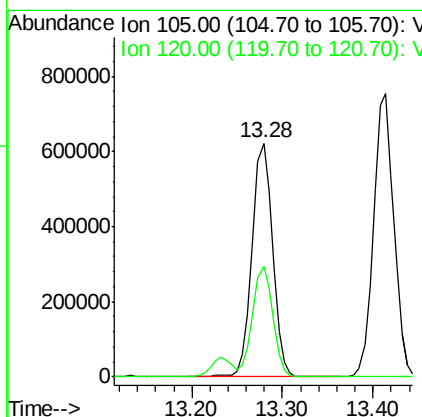
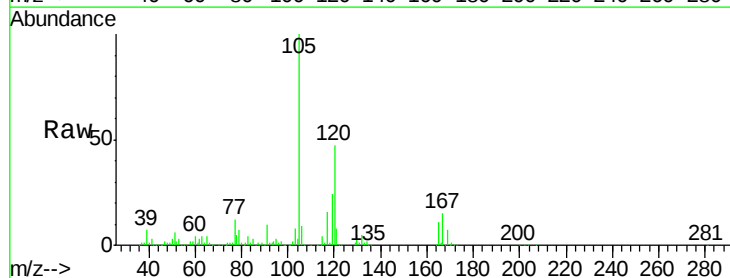
Manual Integrations
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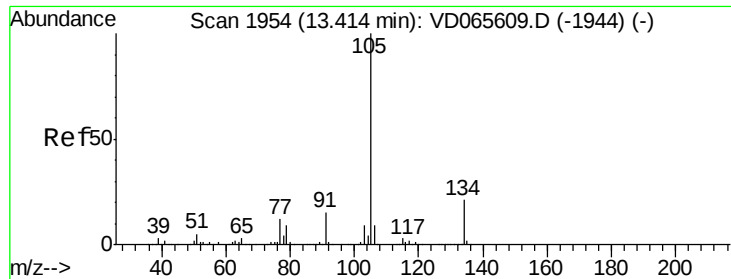
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.843 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	977932		
120	46.6		23.5	70.6





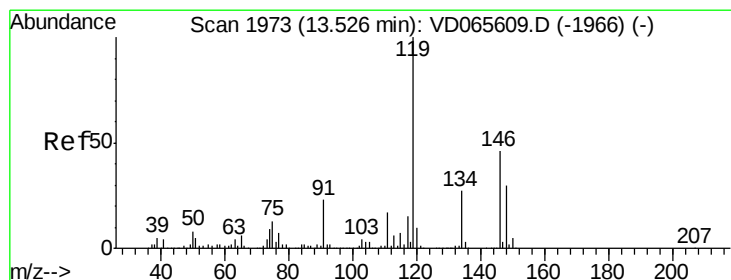
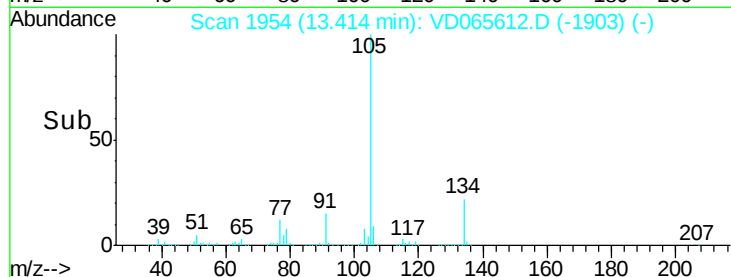
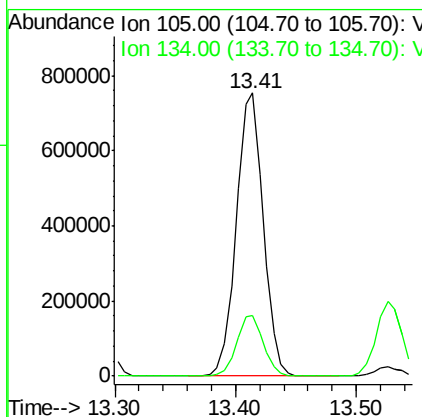
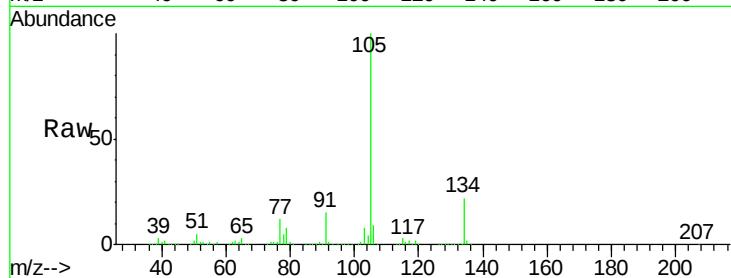
#85
 sec-Butylbenzene
 Concen: 55.939 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

Tot Ion:105 Resp: 1172924
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 31.9

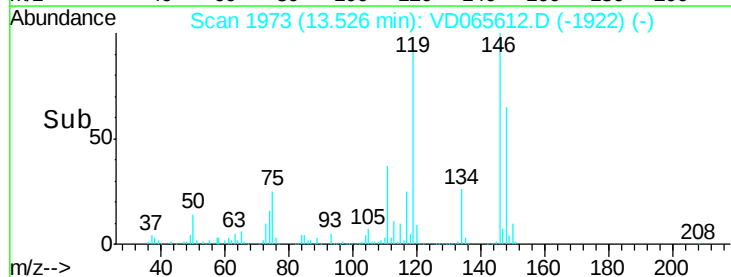
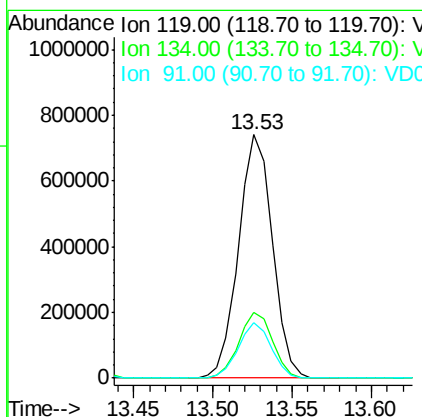
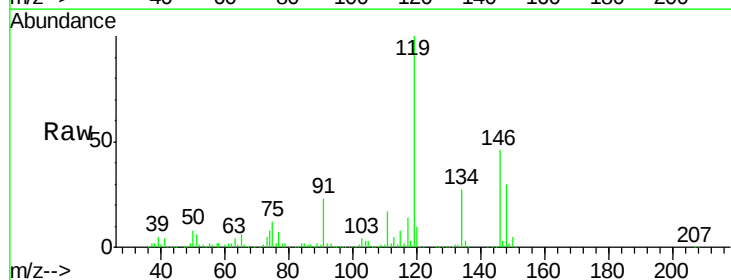
Manual Integrations
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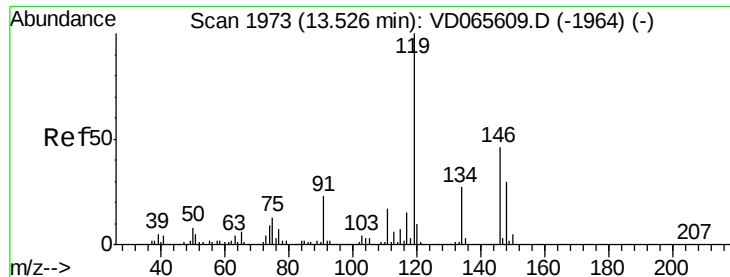
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#86
 p-Isopropyltoluene
 Concen: 56.684 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Tgt Ion:119 Resp: 1096816
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 22.2 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 50.727 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Instrument :

MSVOA_D

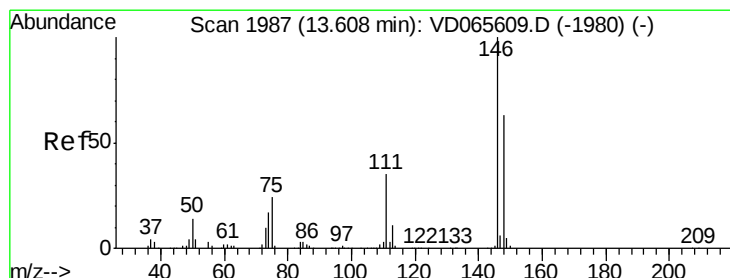
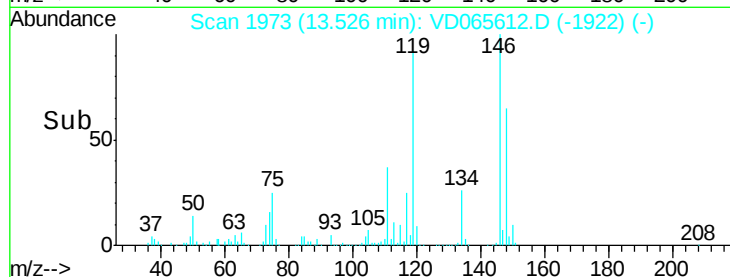
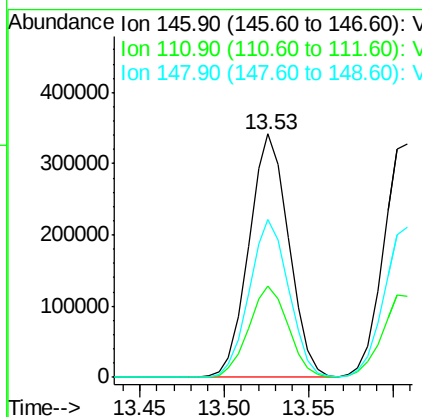
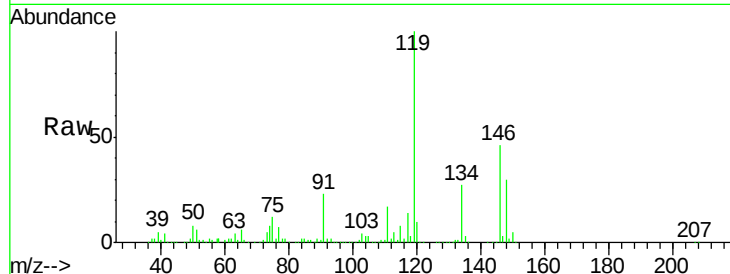
ClientSampleId :

ICVVD040920

Tot Ion:	146	Resp:	560727
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.6	55.8
148	64.2	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.151 ug/l

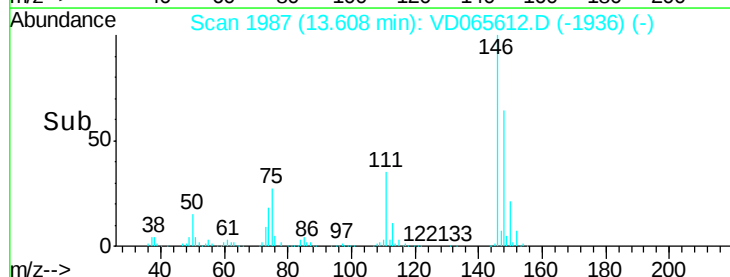
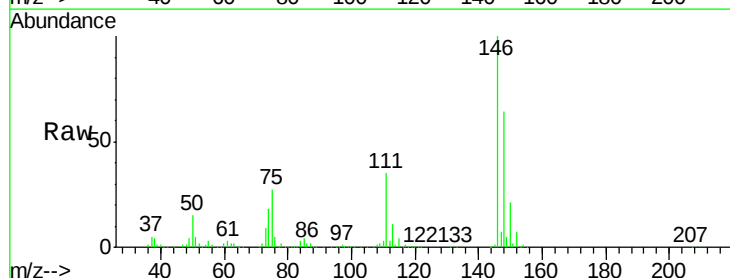
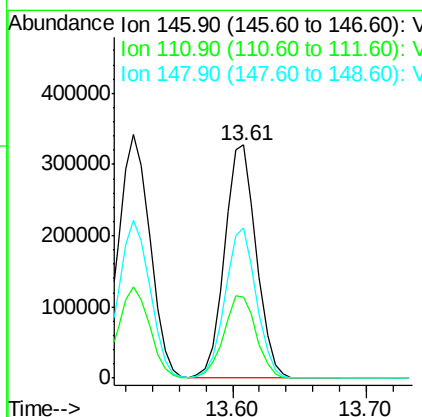
RT: 13.61 min Scan# 1987

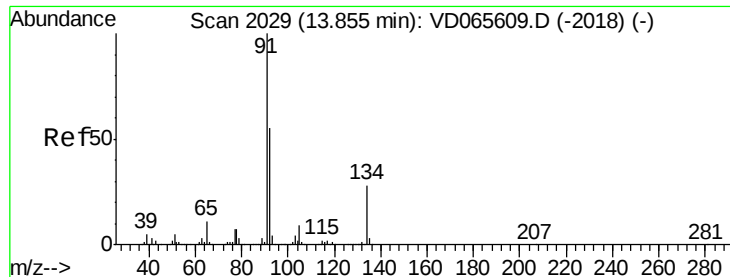
Delta R.T. 0.00 min

Lab File: VD065612.D

Acq: 09 Apr 2020 15:25

Tgt Ion:	146	Resp:	542656
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.0	54.0
148	63.5	31.8	95.4





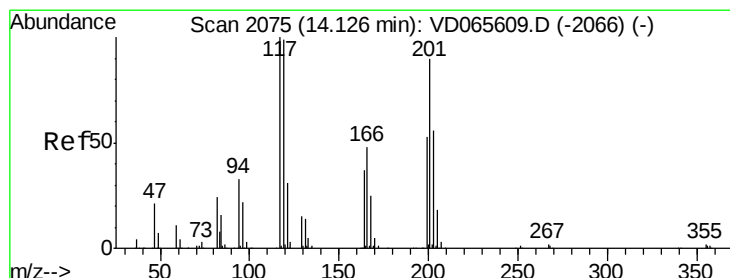
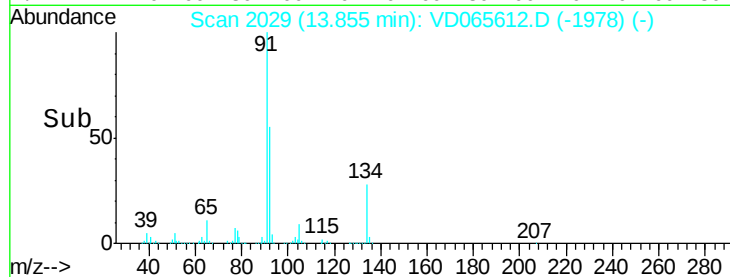
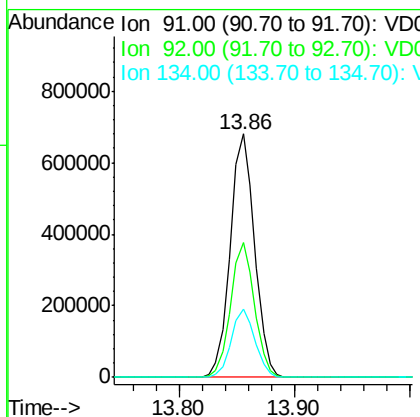
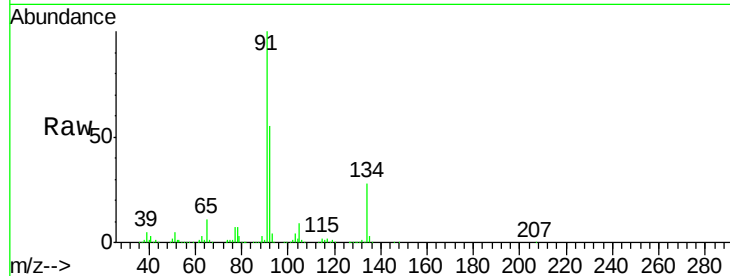
#89
n-Butylbenzene
Concen: 56.859 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Resp	Lower	Upper
91	100	992895		
92	54.0	27.2	81.6	
134	27.4	13.9	41.7	

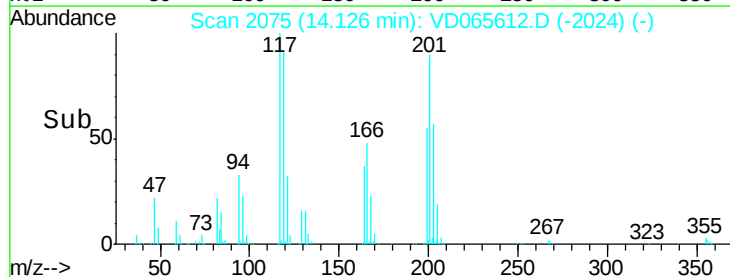
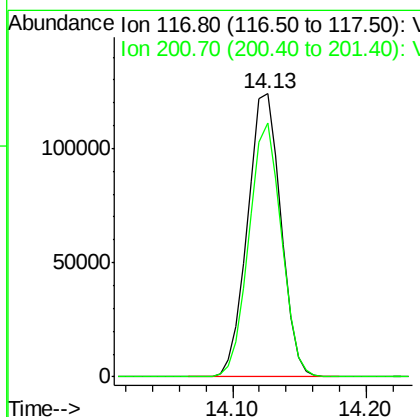
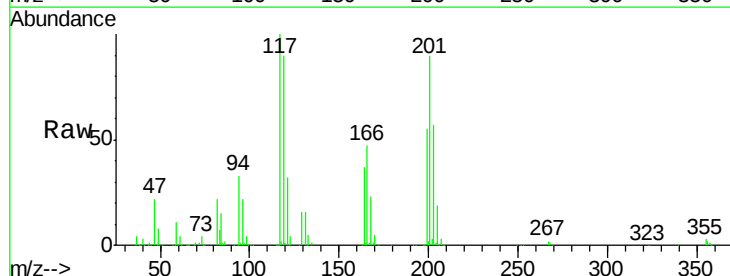
Manual Integrations
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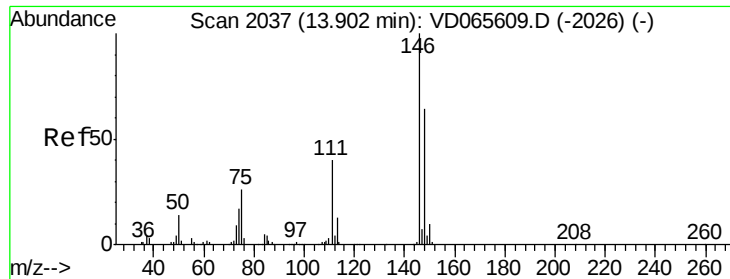
MMDadoda
4/10/2020 2:58:55 PM



#90
Hexachloroethane
Concen: 50.600 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	213585		
201	87.1	43.9	131.7	





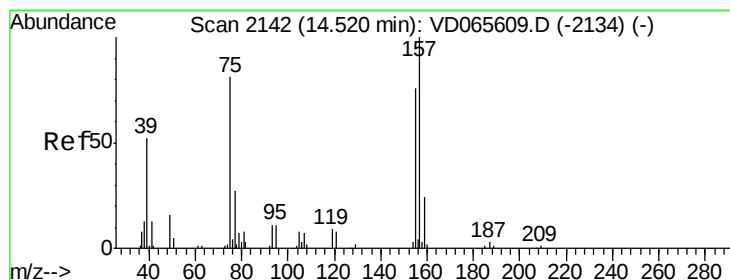
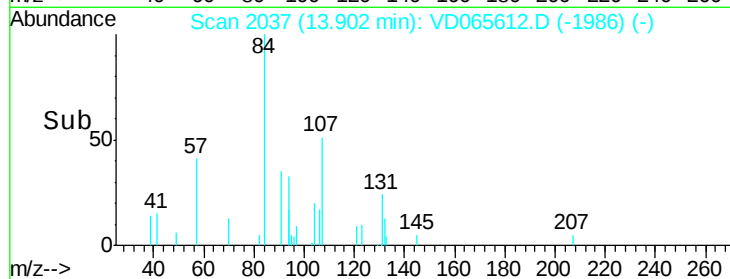
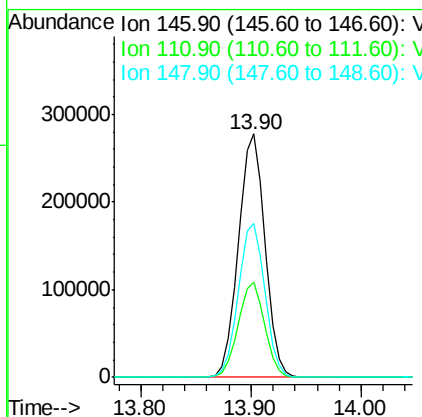
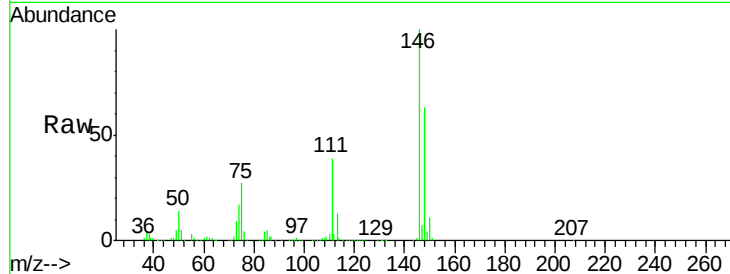
#91
 1,2-Dichlorobenzene
 Concen: 50.056 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	63.1	31.8	95.4

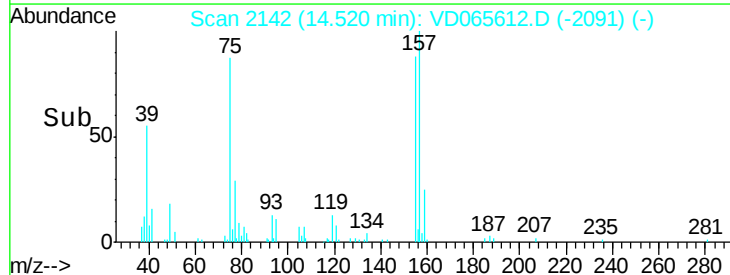
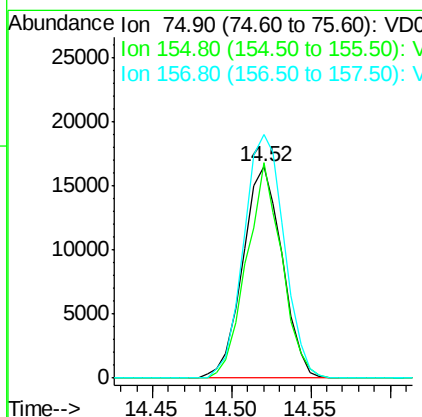
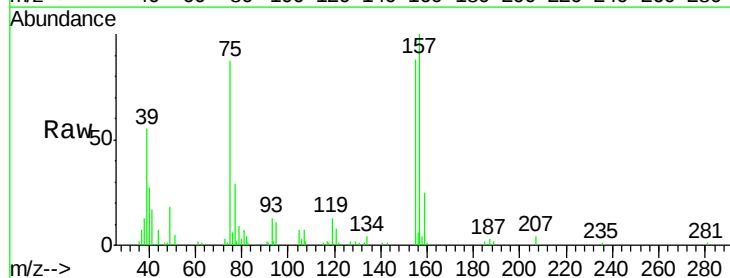
Manual Integrations
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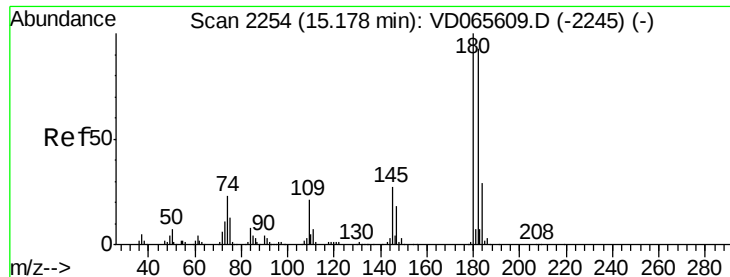
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.080 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	46.8	140.4
157	117.9	59.6	178.7





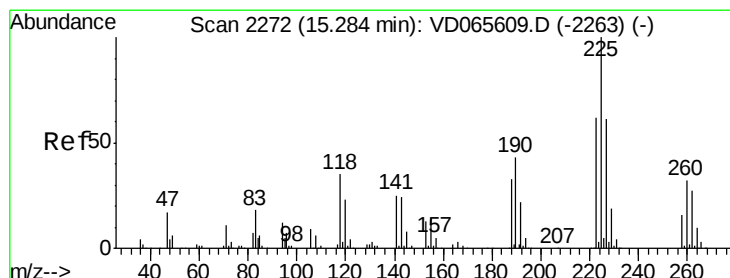
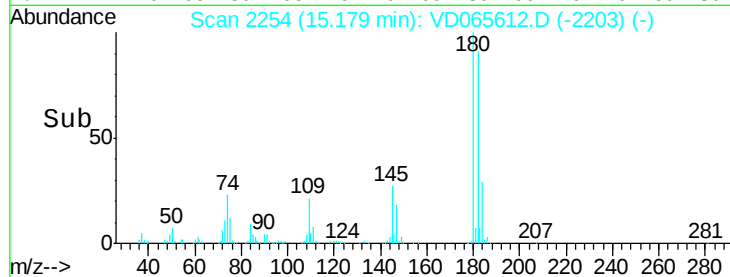
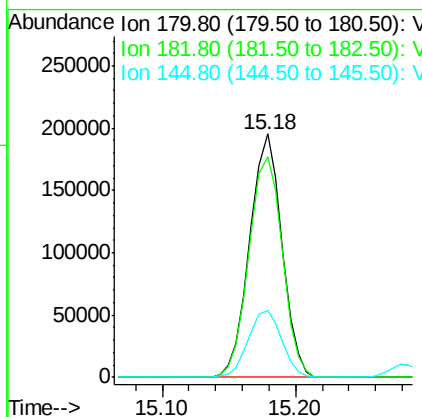
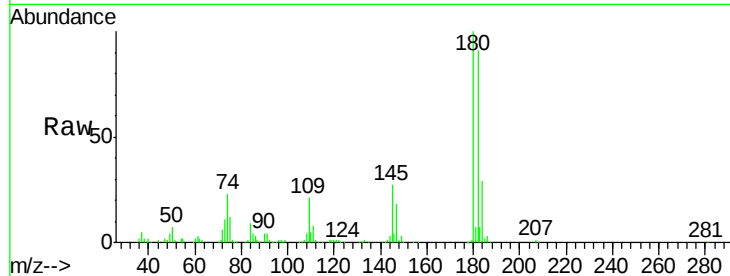
#93
 1,2,4-Trichlorobenzene
 Concen: 52.602 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD040920

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	47.0	141.2	
145	28.5	14.0	41.9	

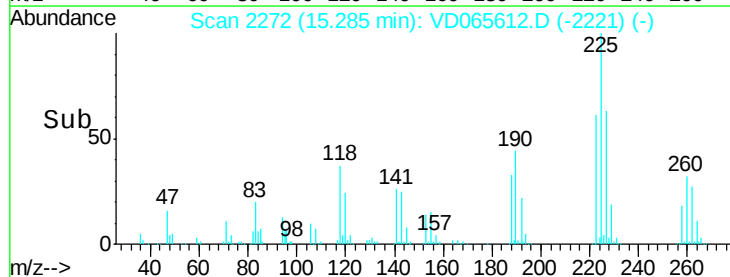
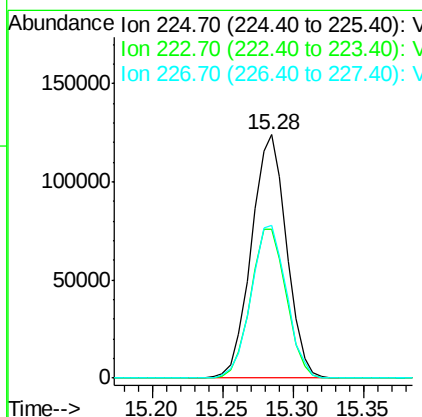
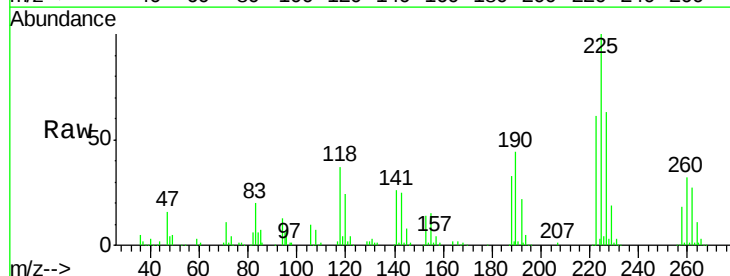
Manual Integrations
 APPROVED

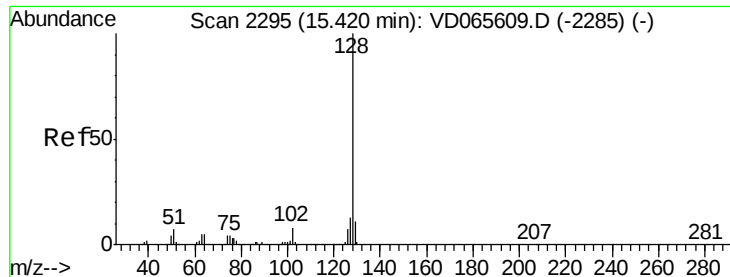
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#94
 Hexachlorobutadiene
 Concen: 50.401 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VD065612.D
 Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.6	94.7	
227	63.4	31.6	95.0	





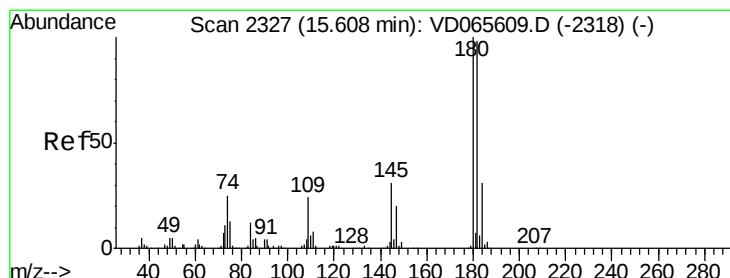
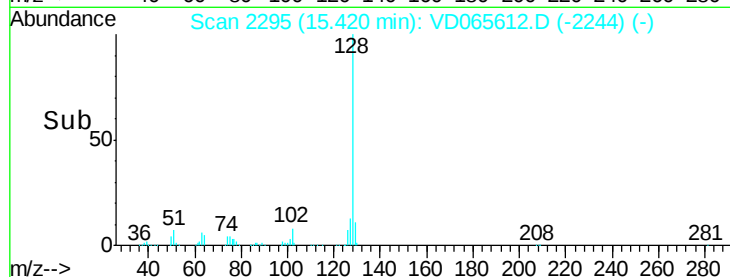
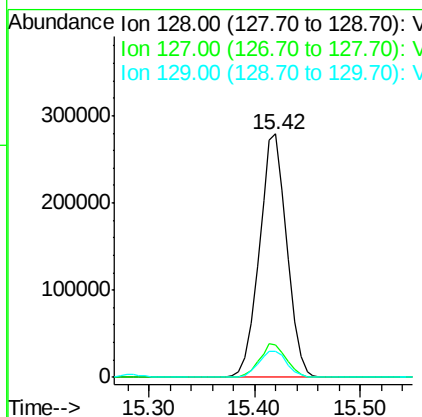
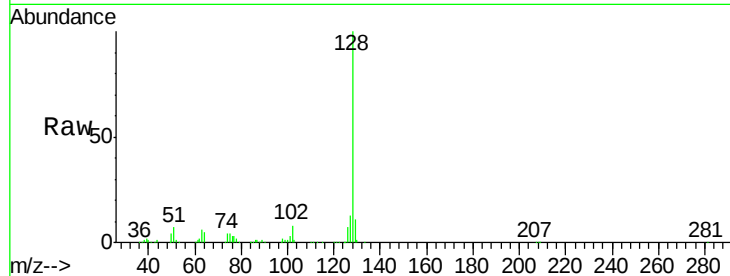
#95
Naphthalene
Concen: 47.427 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :
ICVVD040920

Tot Ion	Ratio	Resp	Lower	Upper
128	100	503347		
127	13.5		10.6	15.8
129	11.1		8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.628 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065612.D
Acq: 09 Apr 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	281400		
182	96.9		47.7	143.1
145	30.0		15.2	45.6

