

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065929.D
 Acq On : 07 Jul 2020 19:05
 Operator : VA/SY
 Sample : VD0707SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:20 PM

Quant Time: Jul 08 10:05:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	407683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	629254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	593399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	168792	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
35) Dibromofluoromethane	7.91	113	182739	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	10.34	98	649141	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
62) 4-Bromofluorobenzene	12.63	95	232616	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79585	21.959	ug/l	96
3) Chloromethane	2.21	50	75123	20.909	ug/l	93
4) Vinyl Chloride	2.35	62	65480	19.849	ug/l	98
5) Bromomethane	2.76	94	41266	19.748	ug/l	87
6) Chloroethane	2.92	64	38044	19.292	ug/l	98
7) Trichlorofluoromethane	3.27	101	143696	20.323	ug/l	99
8) Diethyl Ether	3.71	74	42653	21.989	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	83524	19.749	ug/l	96
10) Methyl Iodide	4.30	142	80946	19.771	ug/l	100
11) Tert butyl alcohol	5.21	59	35052	144.595	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	80327	20.331	ug/l	86
13) Acrolein	3.93	56	25261	125.434	ug/l	95
14) Allyl chloride	4.71	41	134484	20.085	ug/l	99
15) Acrylonitrile	5.43	53	95620	112.591	ug/l	99
16) Acetone	4.16	43	78572	92.794	ug/l #	88
17) Carbon Disulfide	4.40	76	256939	20.410	ug/l	99
18) Methyl Acetate	4.71	43	42657	21.492	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	185929	22.228	ug/l	99
20) Methylene Chloride	4.96	84	124691	21.810	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	92597	20.830	ug/l	98
22) Diisopropyl ether	6.37	45	274804	21.840	ug/l	97
23) Vinyl Acetate	6.30	43	793244	110.445	ug/l	100
24) 1,1-Dichloroethane	6.26	63	158184	21.083	ug/l	99
25) 2-Butanone	7.21	43	122541	109.521	ug/l	96
26) 2,2-Dichloropropane	7.20	77	131150	19.981	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	102836	21.531	ug/l	98
28) Bromochloromethane	7.55	49	64712	22.831	ug/l	99
29) Tetrahydrofuran	7.56	42	79175	111.283	ug/l	99
30) Chloroform	7.71	83	159969	21.031	ug/l	97
31) Cyclohexane	7.98	56	146400	19.831	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	141741	20.419	ug/l	100
36) 1,1-Dichloropropene	8.11	75	122329	19.684	ug/l	99
37) Ethyl Acetate	7.30	43	54907	21.086	ug/l	96
38) Carbon Tetrachloride	8.10	117	129442	19.432	ug/l	95

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Manual Integrations
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 7/8/2020 12:05:20 PM

Quant Time: Jul 08 10:05:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151397	19.842	ug/l	97
40) Benzene	8.35	78	355293	20.694	ug/l	98
41) Methacrylonitrile	7.53	41	27087m	17.916	ug/l	
42) 1,2-Dichloroethane	8.43	62	102684	21.111	ug/l	99
43) Isopropyl Acetate	8.45	43	106260	21.923	ug/l	98
44) Trichloroethene	9.11	130	104000	20.616	ug/l	98
45) 1,2-Dichloropropane	9.39	63	87116	20.443	ug/l	99
46) Dibromomethane	9.47	93	47518	21.418	ug/l	98
47) Bromodichloromethane	9.67	83	126884	21.321	ug/l	100
48) Methyl methacrylate	9.46	41	54663	22.402	ug/l	97
49) 1,4-Dioxane	9.46	88	11897	451.313	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	264998	108.141	ug/l	99
52) Toluene	10.40	92	228938	20.959	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	118233	21.129	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	144360	21.350	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	65996	21.590	ug/l	98
56) Ethyl methacrylate	10.66	69	82803	22.179	ug/l	99
57) 1,3-Dichloropropane	10.95	76	116043	21.708	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	200968	111.148	ug/l	100
59) 2-Hexanone	10.98	43	183901	109.122	ug/l	97
60) Dibromochloromethane	11.14	129	88750	21.251	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65754	21.575	ug/l	99
64) Tetrachloroethene	10.87	164	87517	20.280	ug/l	96
65) Chlorobenzene	11.67	112	247559	20.702	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	95094	21.261	ug/l	97
67) Ethyl Benzene	11.75	91	427344	20.116	ug/l	98
68) m/p-Xylenes	11.86	106	332983	41.256	ug/l	99
69) o-Xylene	12.18	106	152583	20.753	ug/l	96
70) Styrene	12.20	104	268090	21.123	ug/l	99
71) Bromoform	12.36	173	54364	21.481	ug/l	# 99
73) Isopropylbenzene	12.48	105	414984	20.099	ug/l	99
74) N-amyl acetate	12.29	43	93456	20.171	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	69783	20.358	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	50356m	20.291	ug/l	
77) Bromobenzene	12.76	156	102656	20.499	ug/l	98
78) n-propylbenzene	12.83	91	482943	19.951	ug/l	100
79) 2-Chlorotoluene	12.91	91	273807	19.939	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	345648	20.467	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	24878	21.540	ug/l	95
82) 4-Chlorotoluene	13.01	91	295033	20.477	ug/l	99
83) tert-Butylbenzene	13.23	119	289091	20.093	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	340983	20.284	ug/l	100
85) sec-Butylbenzene	13.40	105	410491	20.132	ug/l	99
86) p-Isopropyltoluene	13.52	119	377220	20.226	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	192415	20.534	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	186987	20.002	ug/l	98
89) n-Butylbenzene	13.85	91	343969	19.640	ug/l	99
90) Hexachloroethane	14.11	117	74940	19.926	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	168575	20.583	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13277	23.164	ug/l	91

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBSD01

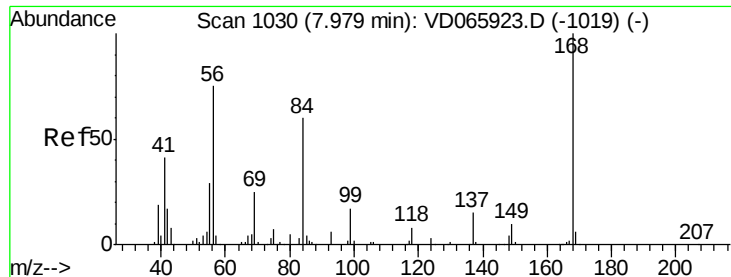
Manual Integrations
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7/8/2020 12:05:20 PM

Quant Time: Jul 08 10:05:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:45:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119293	20.437	ug/l	98
94) Hexachlorobutadiene	15.27	225	68918	19.519	ug/l	96
95) Naphthalene	15.41	128	207857	21.232	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	104412	20.738	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion:168 Resp: 407683

Ion Ratio Lower Upper

168 100

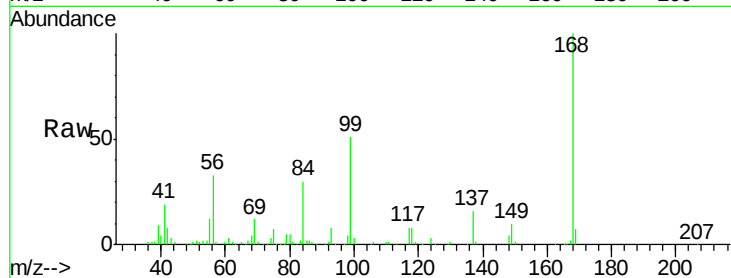
99 51.2 43.1 64.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

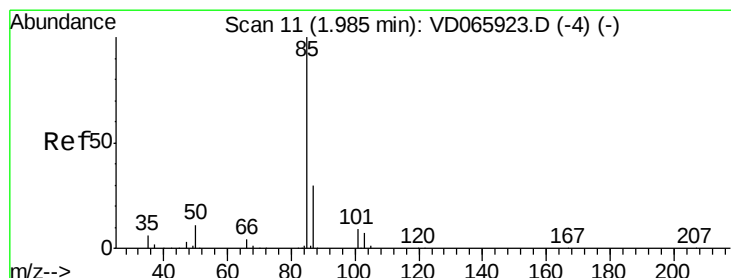
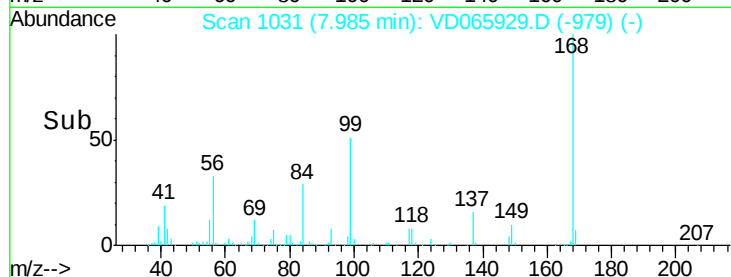
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.959 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065929.D

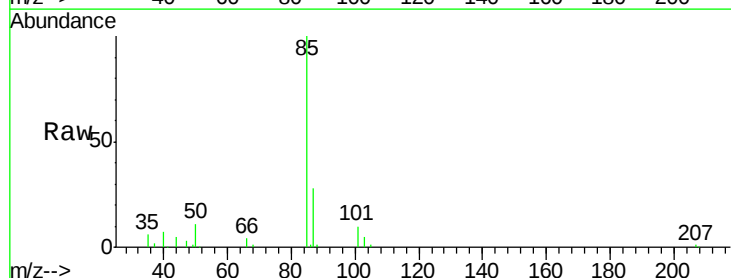
Acq: 07 Jul 2020 19:05

Tgt Ion: 85 Resp: 79585

Ion Ratio Lower Upper

85 100

87 27.9 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

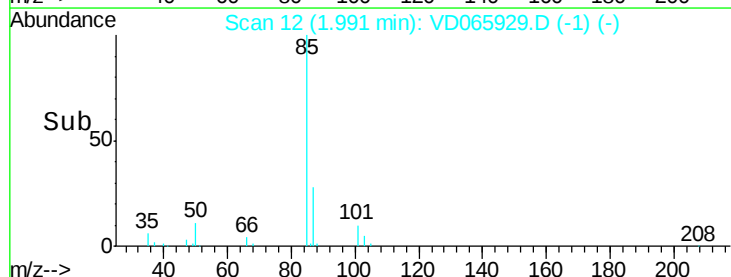
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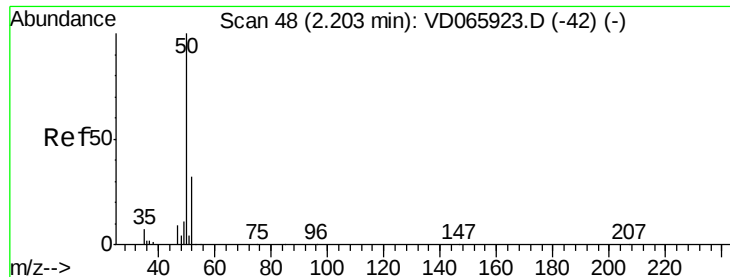
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0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.909 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 50 Resp: 75123

Ion Ratio Lower Upper

50 100

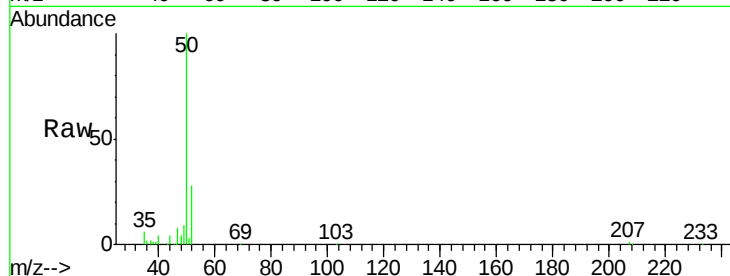
52 28.1 25.6 38.4

Manual Integrations

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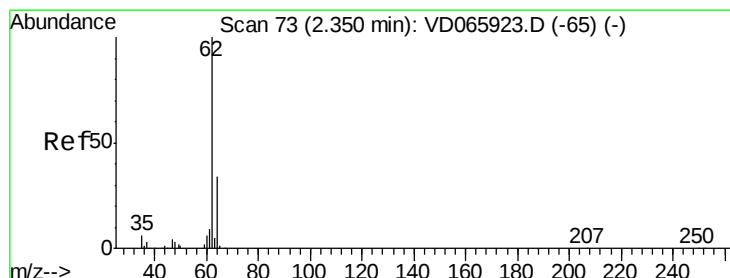
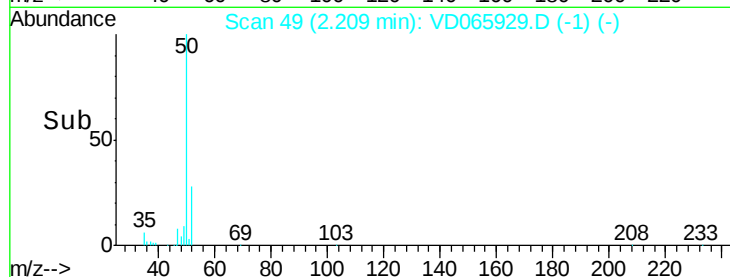
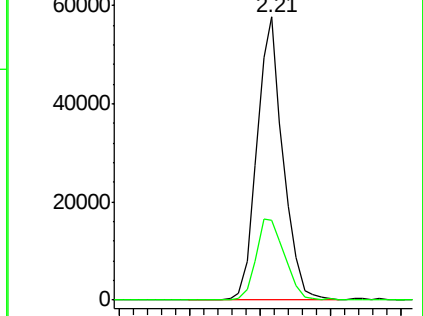
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.849 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065929.D

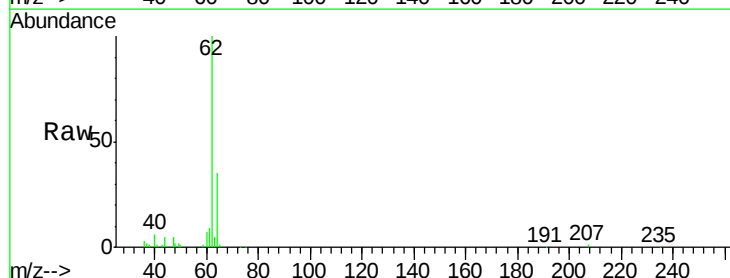
Acq: 07 Jul 2020 19:05

Tgt Ion: 62 Resp: 65480

Ion Ratio Lower Upper

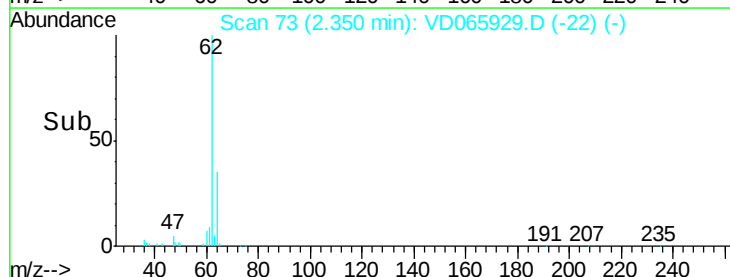
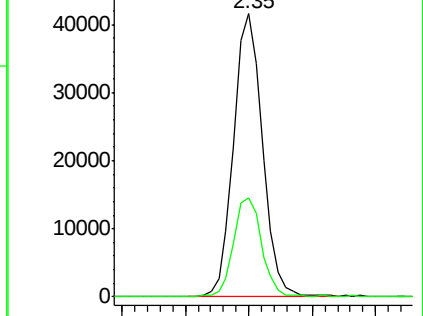
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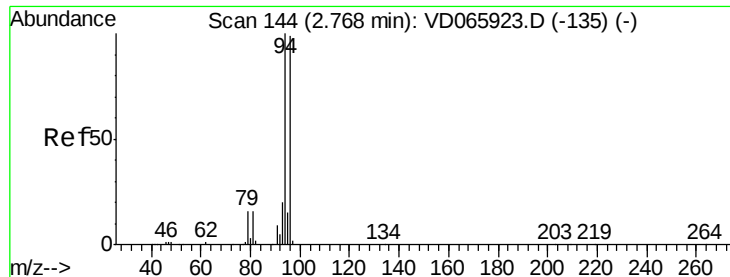
64 35.0 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.748 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 94 Resp: 41266

Ion Ratio Lower Upper

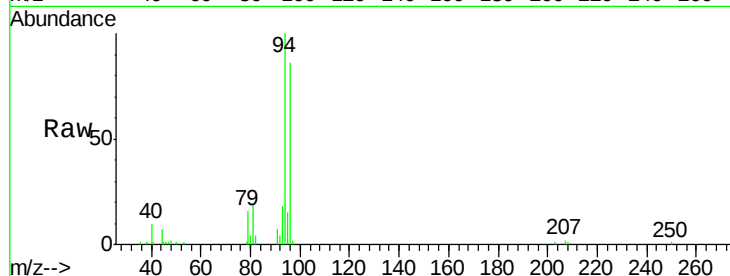
94 100

96 85.7 78.8 118.2

Manual Integrations
APPROVED

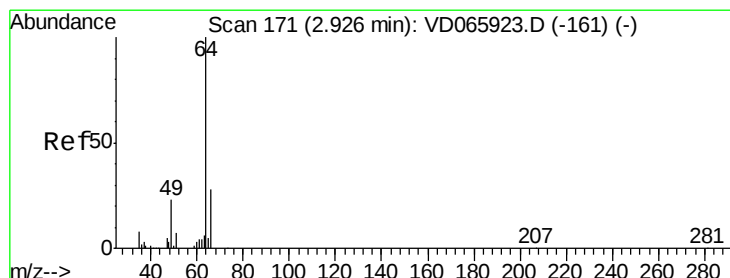
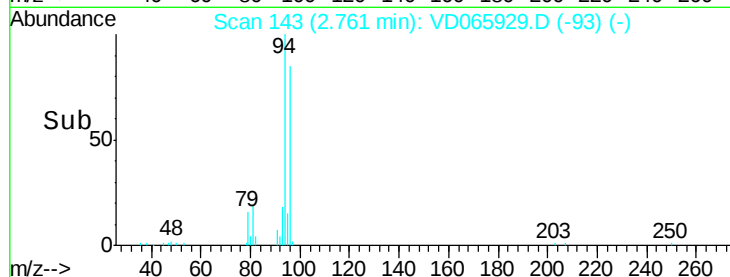
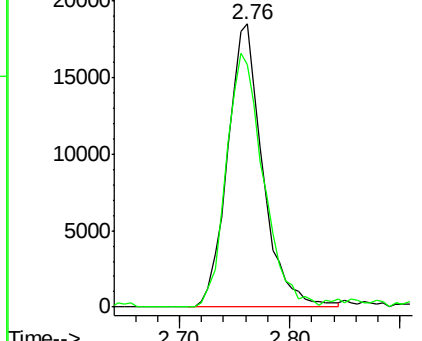
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.292 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065929.D

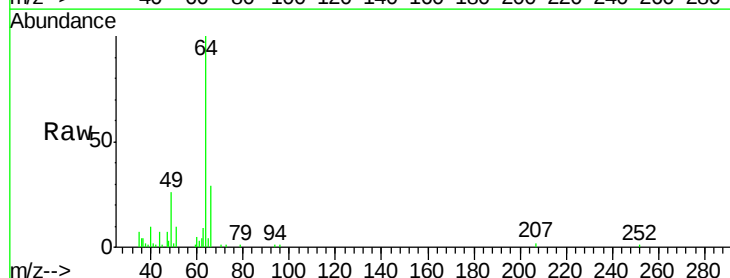
Acq: 07 Jul 2020 19:05

Tgt Ion: 64 Resp: 38044

Ion Ratio Lower Upper

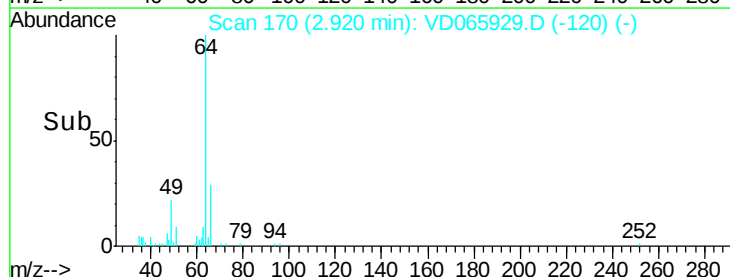
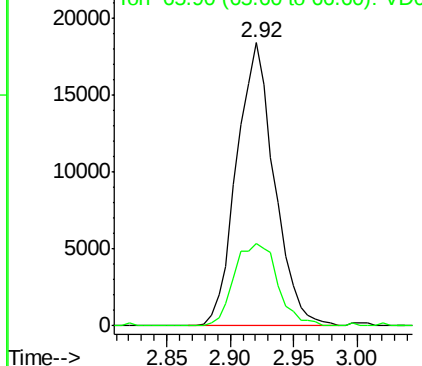
64 100

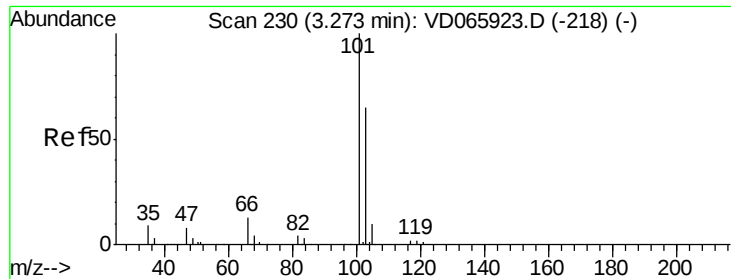
66 29.1 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

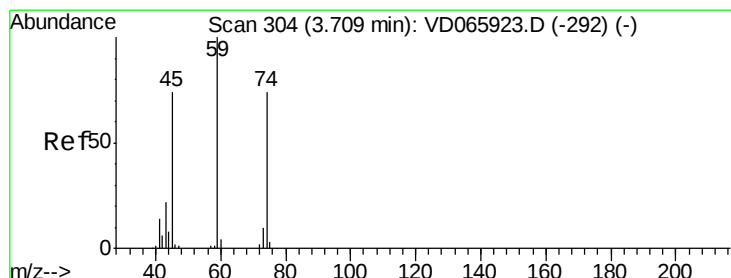
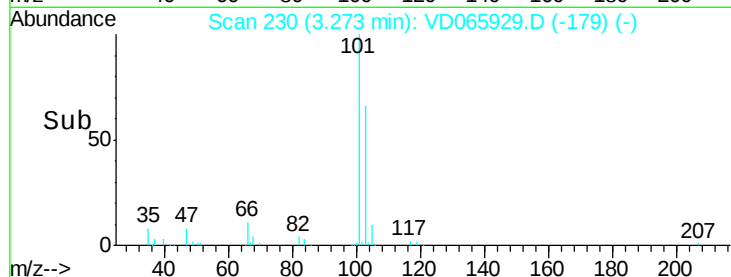
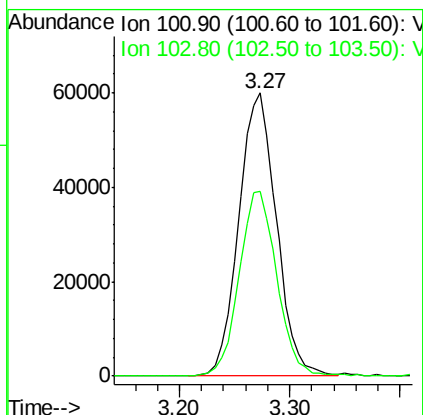
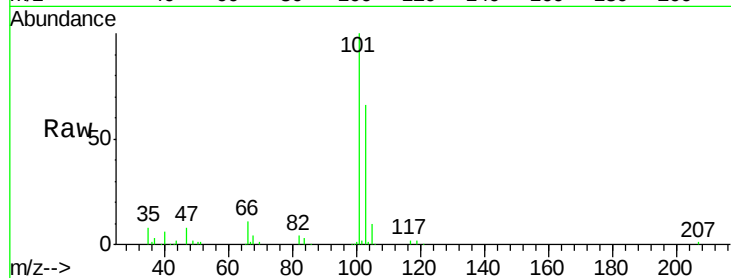
Trichlorofluoromethane
 Concen: 20.323 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.7	77.5

Manual Integrations
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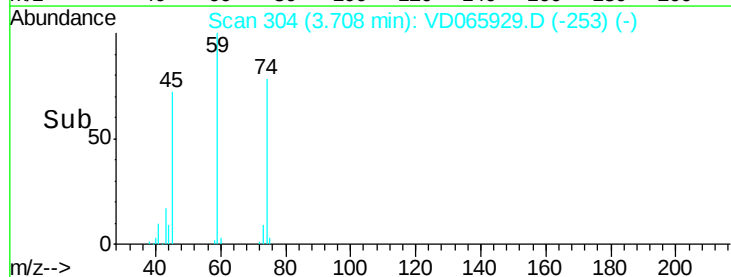
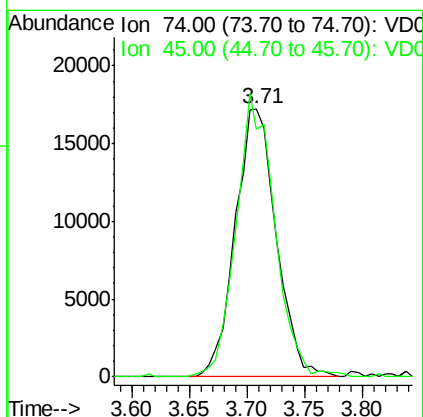
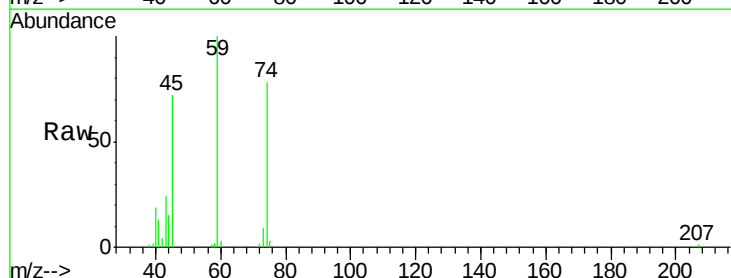
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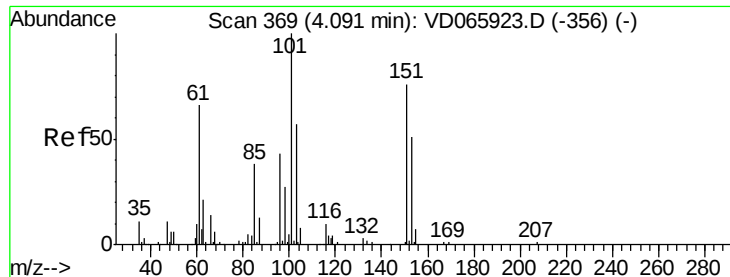


#8

Diethyl Ether
 Concen: 21.989 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	51.1	153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.749 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

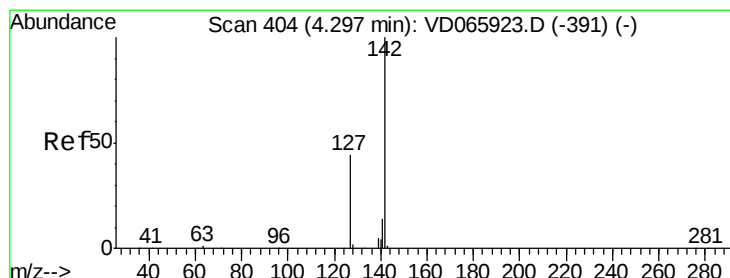
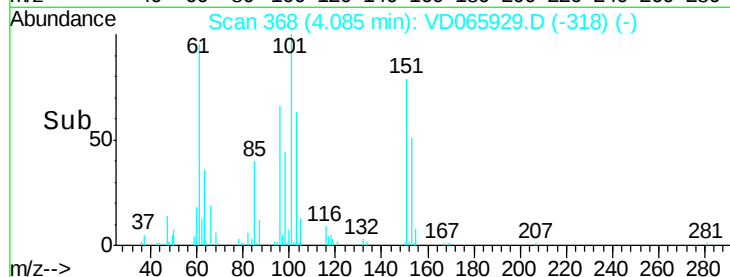
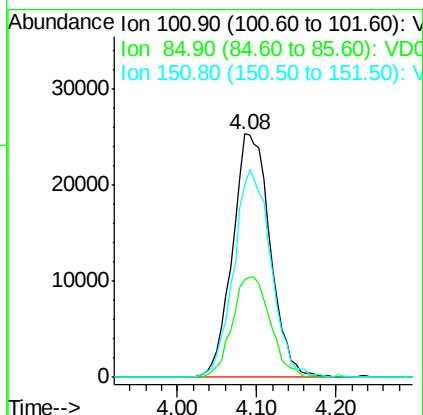
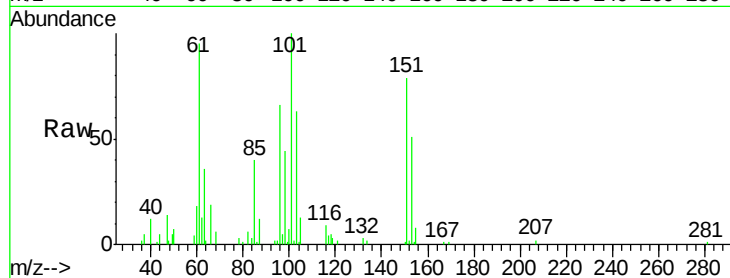
ClientSampleId :

VD0707SBS01

Tot Ion:	101	Resp:	83524
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.8	50.8
151	84.4	64.1	96.1

Manual Integrations
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#10

Methyl Iodide

Concen: 19.771 ug/l

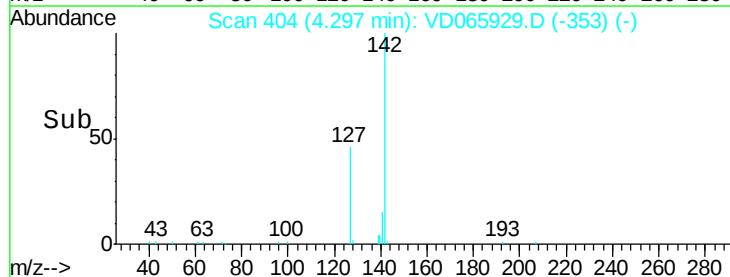
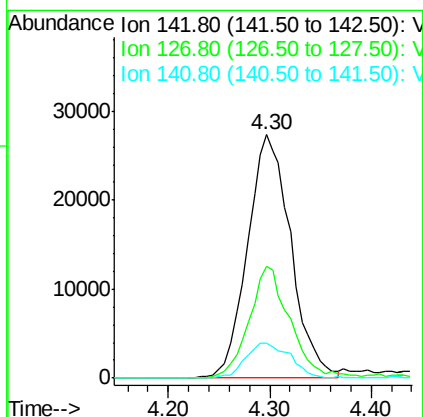
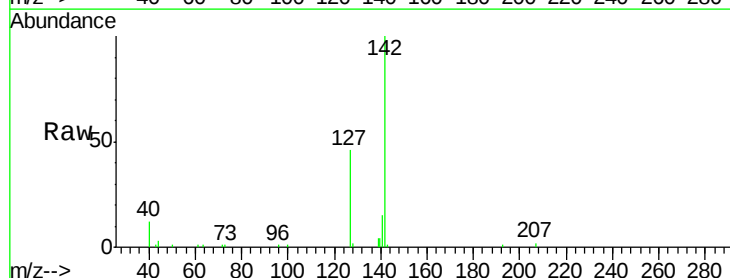
RT: 4.30 min Scan# 404

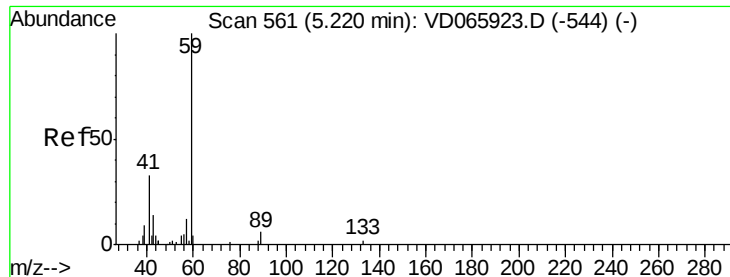
Delta R.T. 0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Tgt Ion:	142	Resp:	80946
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.6	51.8
141	14.8	11.6	17.4





#11

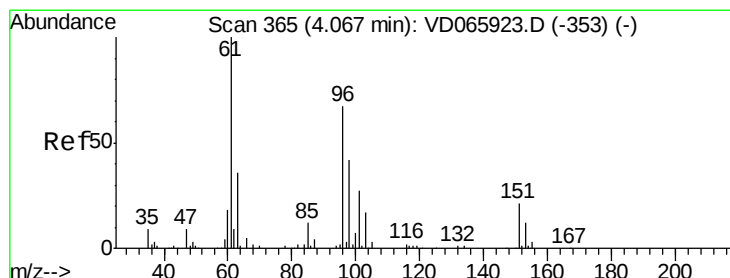
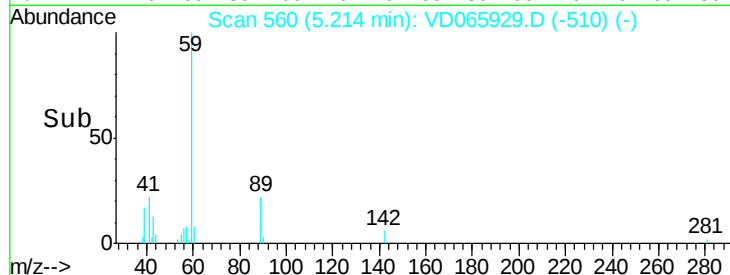
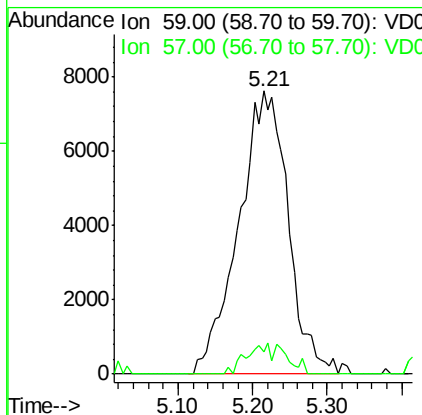
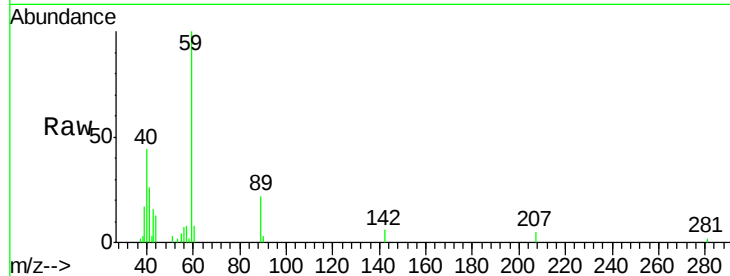
Tert butyl alcohol
 Concen: 144.595 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.7	13.1#

Manual Integrations
 APPROVED

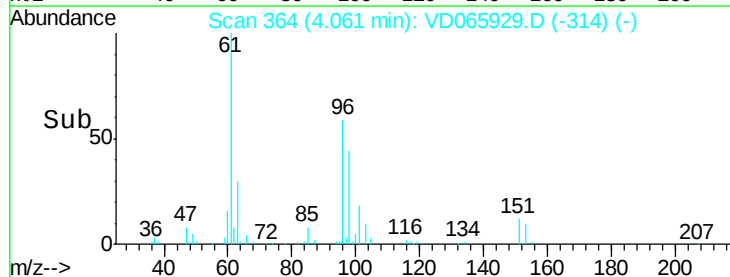
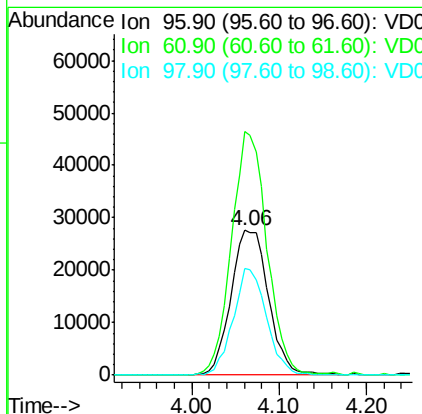
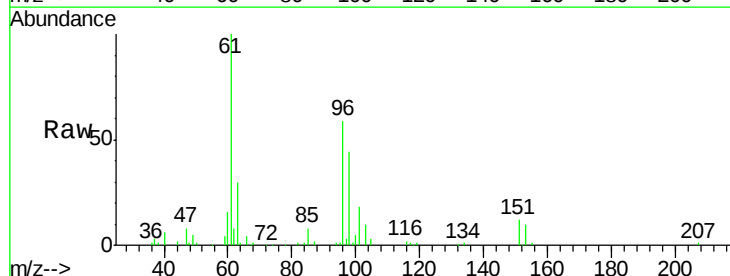
MMDadoda
 7/8/2020 12:05:20 PM

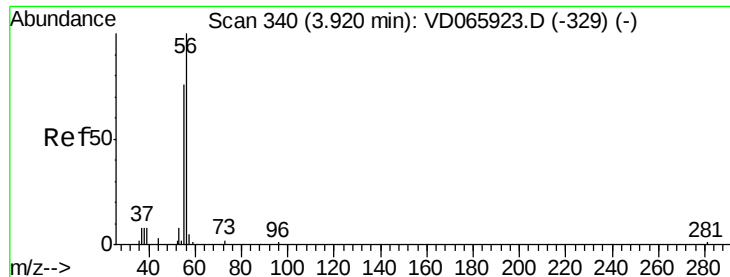


#12

1,1-Dichloroethene
 Concen: 20.331 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.3	120.2	180.2
98	73.4	50.6	76.0





#13

Acrolein

Concen: 125.434 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 56 Resp: 25261

Ion Ratio Lower Upper

56 100

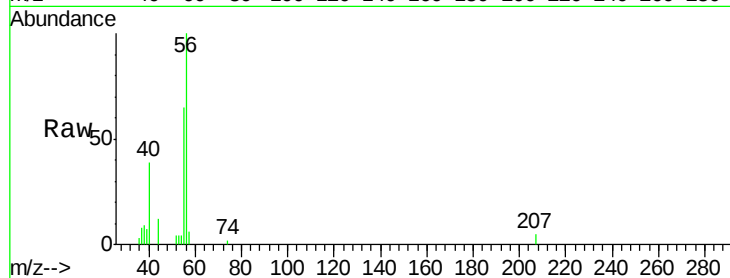
55 72.7 55.0 82.6

Manual Integrations

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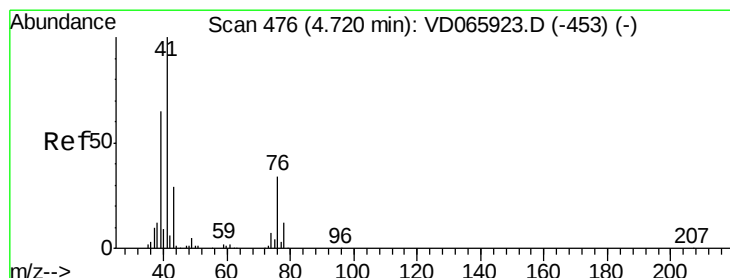
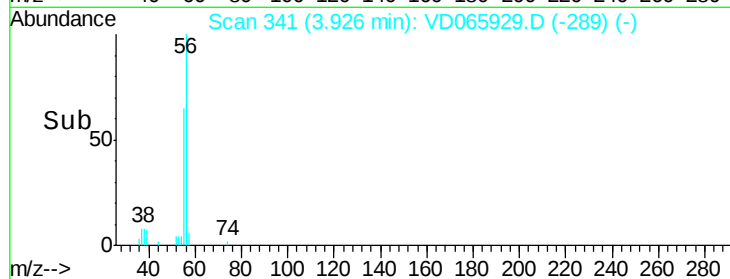
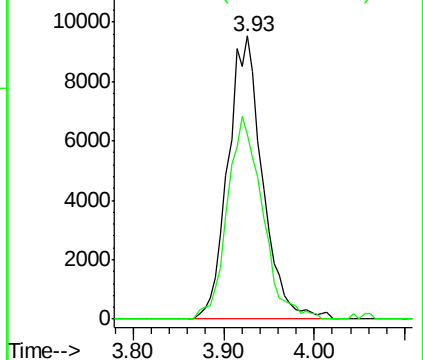
MMDadoda

7/8/2020 12:05:20 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.085 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

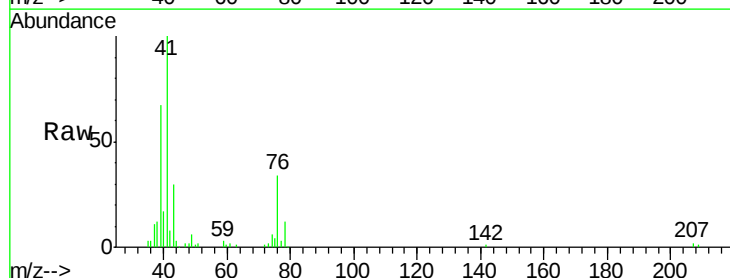
Tgt Ion: 41 Resp: 134484

Ion Ratio Lower Upper

41 100

39 66.4 52.2 78.4

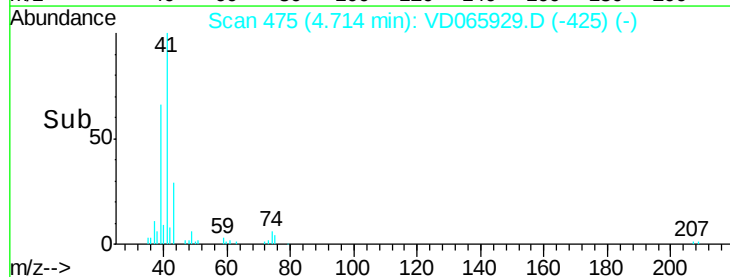
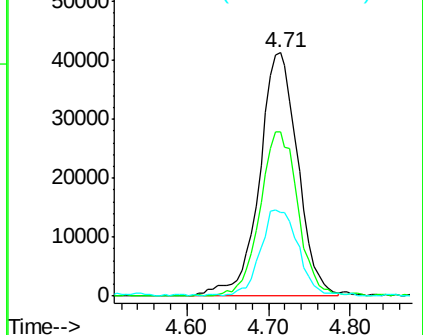
76 35.1 28.1 42.1

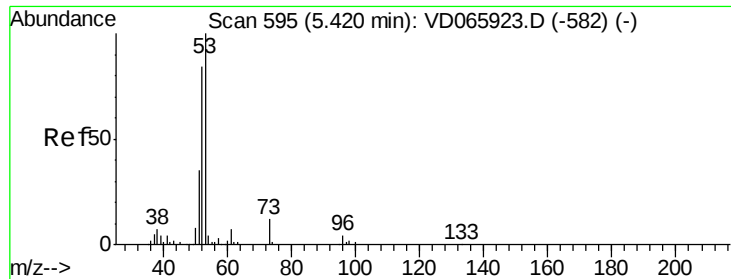


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 112.591 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

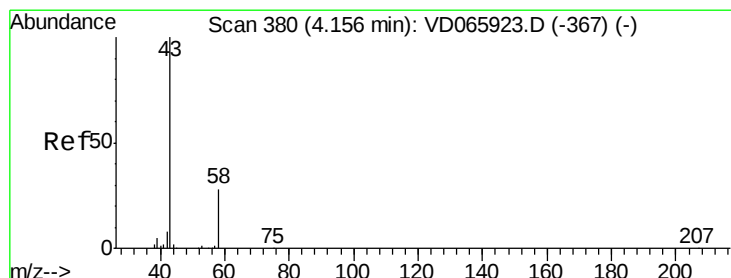
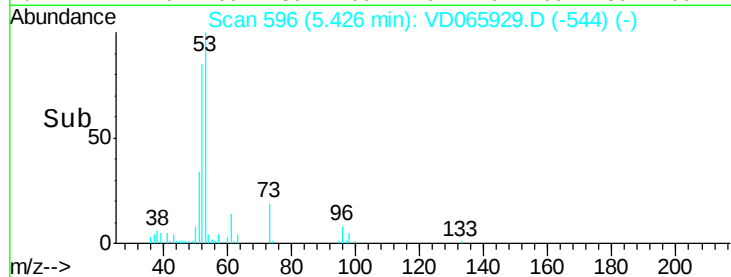
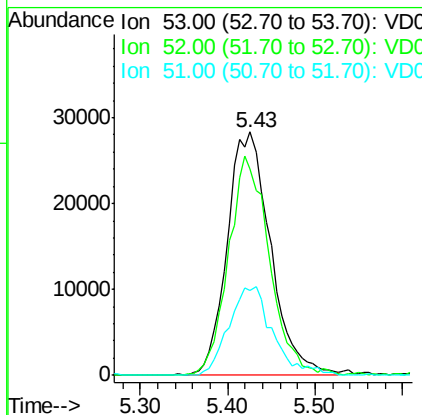
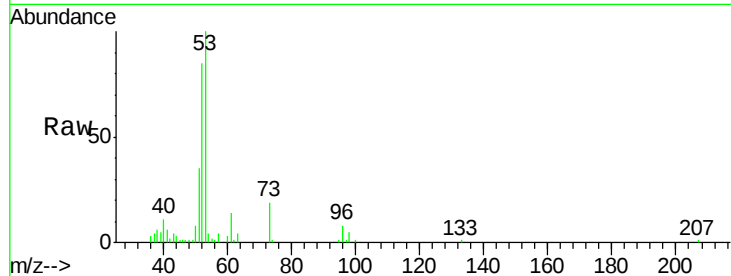
ClientSampleId :

VD0707SBS01

Tot Ion:	53	Resp:	95620
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.3	99.5
51	36.8	29.8	44.8

Manual Integrations
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MMDadoda
7/8/2020 12:05:20 PM



#16

Acetone

Concen: 92.794 ug/l

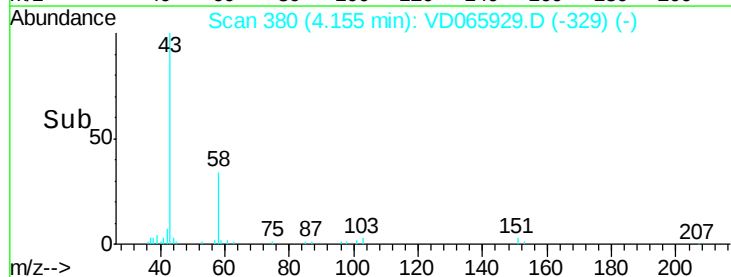
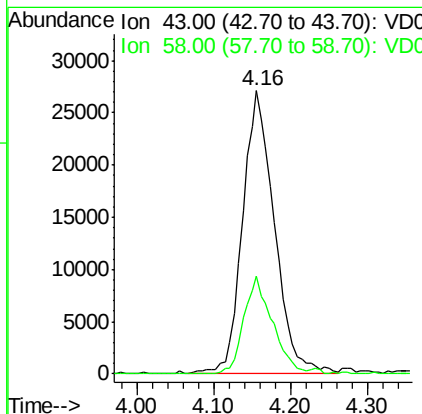
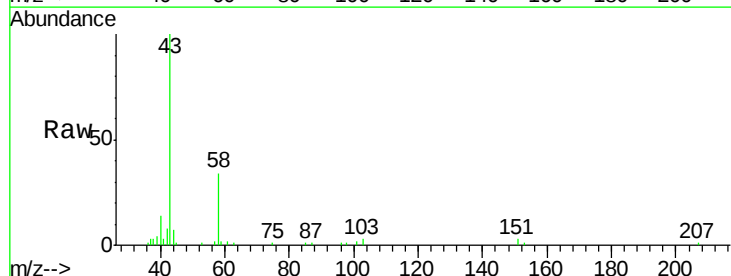
RT: 4.16 min Scan# 380

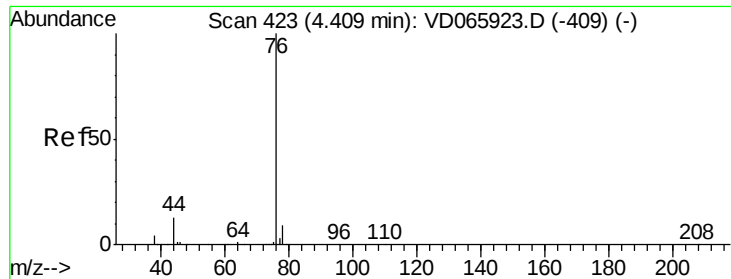
Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Tgt Ion:	43	Resp:	78572
Ion Ratio	Lower	Upper	
43	100		
58	34.5	22.7	34.1#





#17

Carbon Disulfide

Concen: 20.410 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 76 Resp: 256939

Ion Ratio Lower Upper

76 100

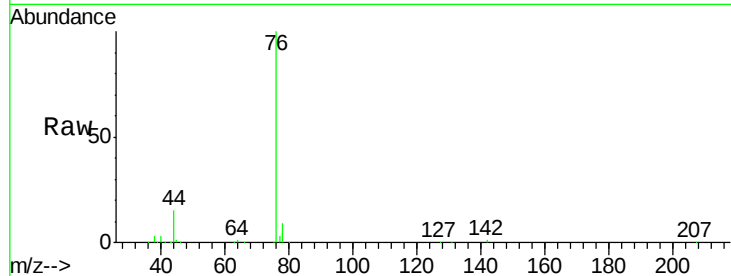
78 9.2 7.5 11.3

Manual Integrations

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MMDadoda

7/8/2020 12:05:20 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

80000

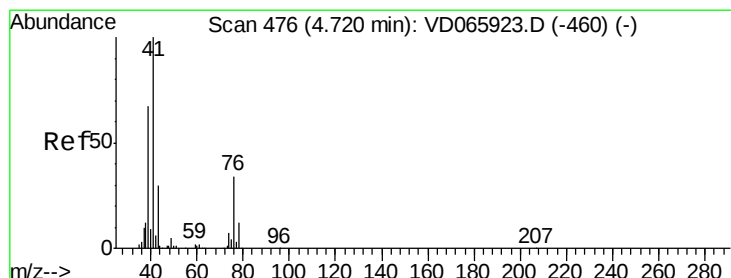
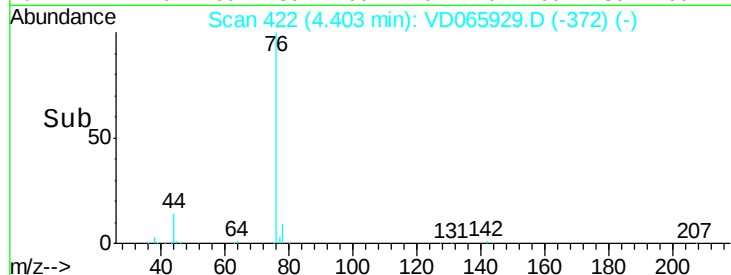
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.492 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065929.D

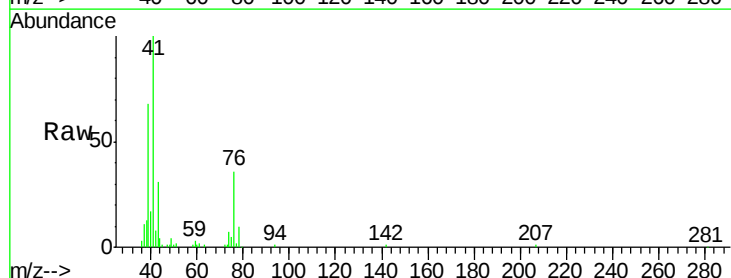
Acq: 07 Jul 2020 19:05

Tgt Ion: 43 Resp: 42657

Ion Ratio Lower Upper

43 100

74 22.5 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

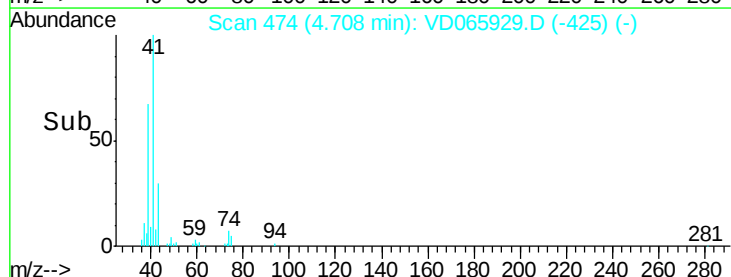
15000

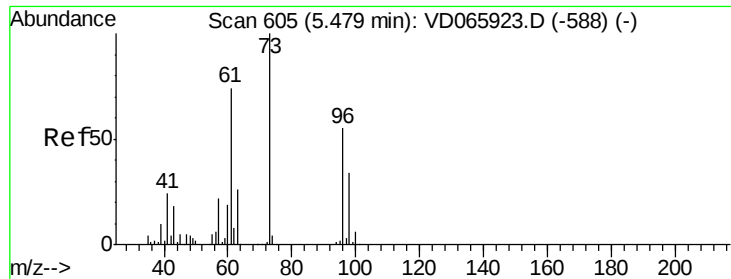
10000

5000

0

Time-->





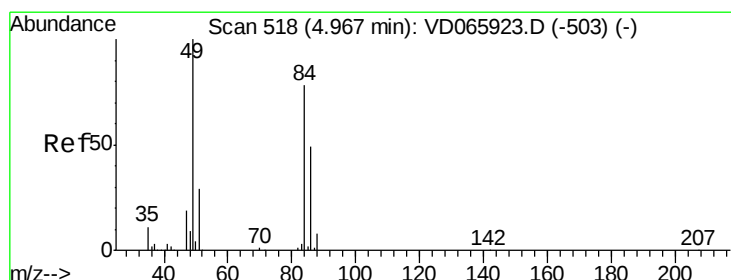
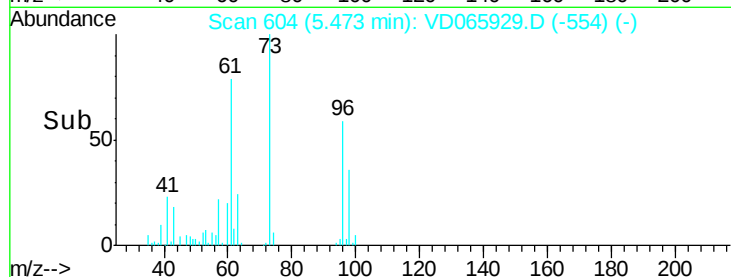
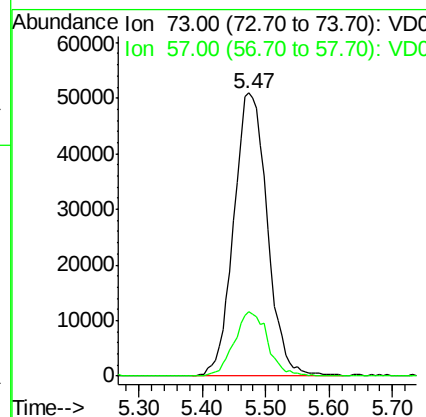
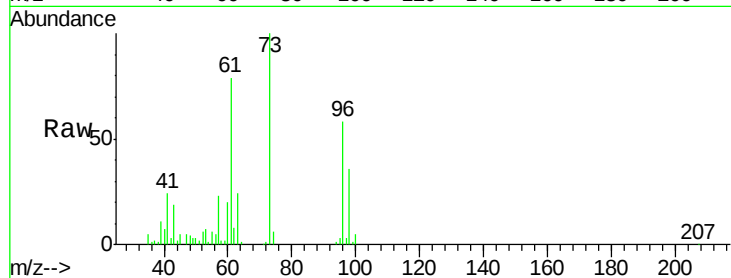
#19
Methvl tert-butvl Ether
Concen: 22.228 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion: 73 Resp: 185929
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5

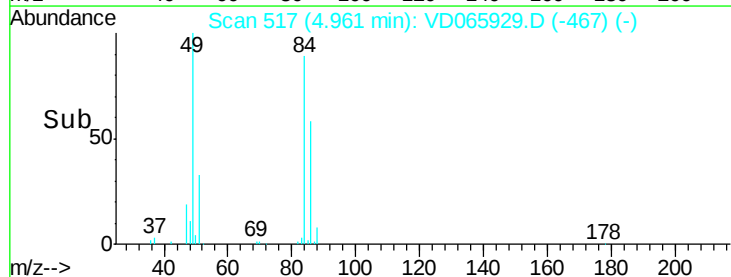
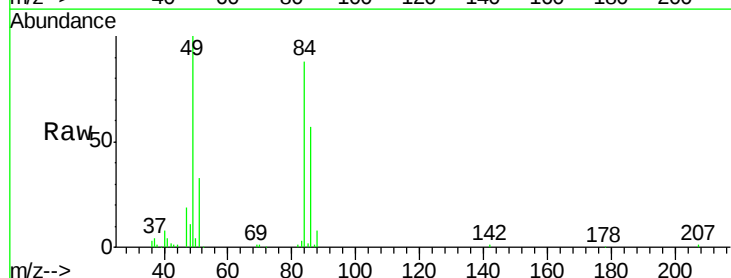
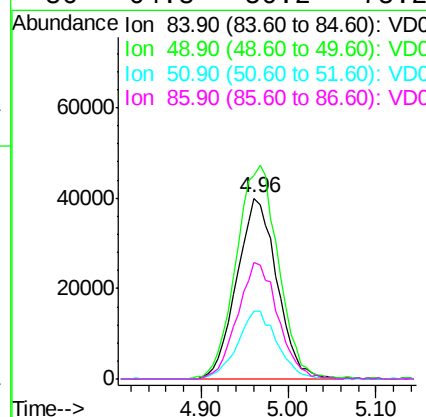
Manual Integrations
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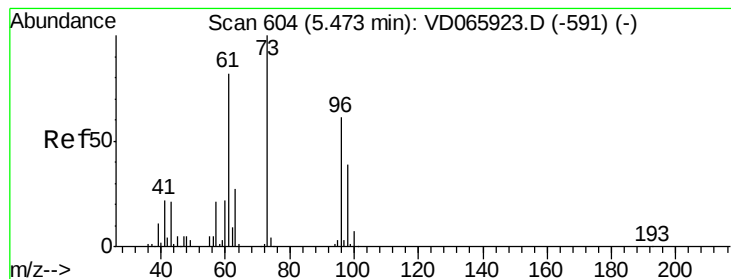
MMDadoda
7/8/2020 12:05:20 PM



#20
Methylene Chloride
Concen: 21.810 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion: 84 Resp: 124691
Ion Ratio Lower Upper
84 100
49 112.4 102.2 153.2
51 37.4 29.8 44.6
86 64.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.830 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 96 Resp: 92597

Ion Ratio Lower Upper

96 100

61 130.4 106.6 160.0

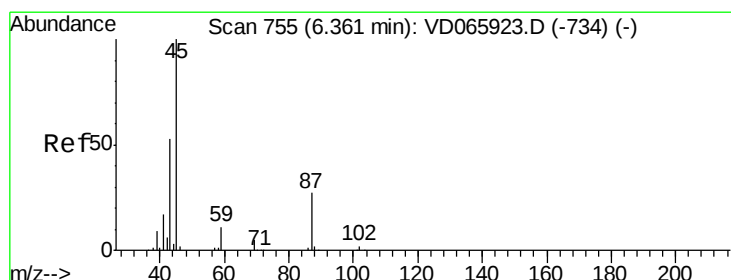
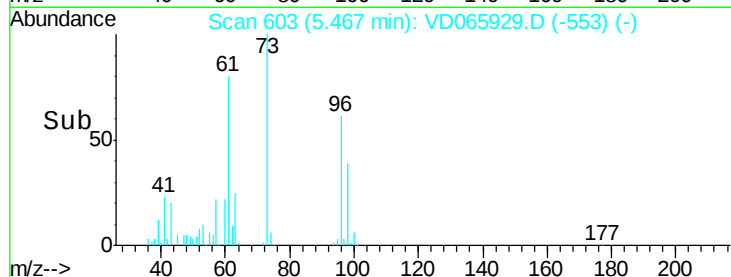
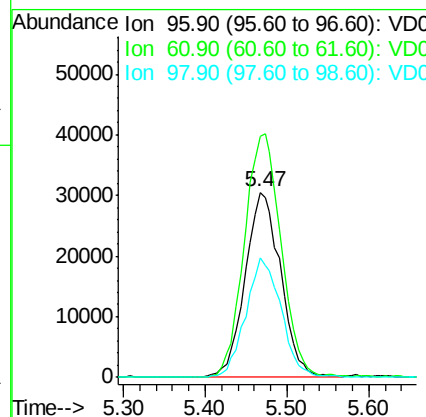
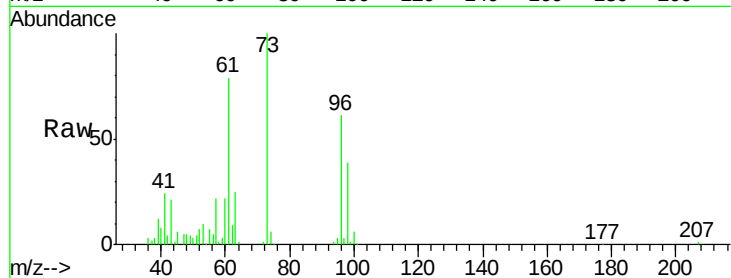
98 64.5 51.0 76.6

Manual Integrations

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MMDadoda

7/8/2020 12:05:20 PM



#22

Diisopropyl ether

Concen: 21.840 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Tgt Ion: 45 Resp: 274804

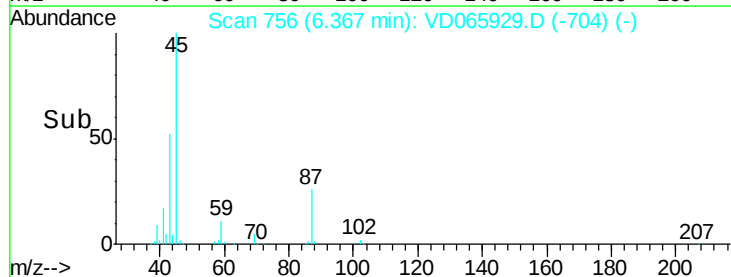
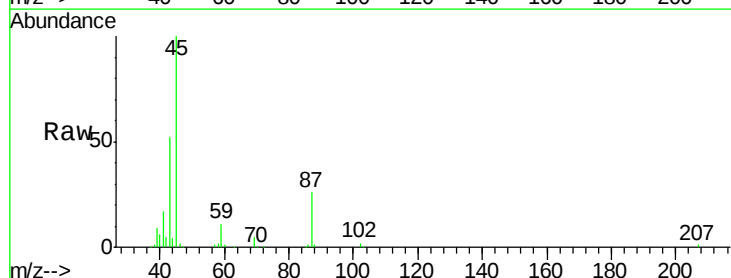
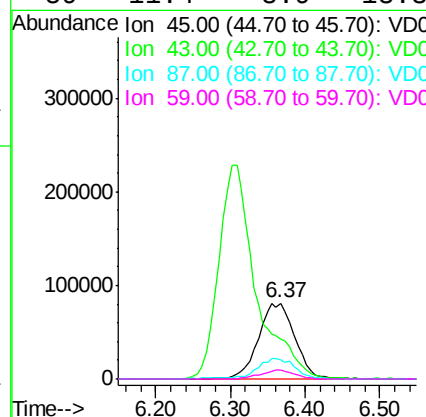
Ion Ratio Lower Upper

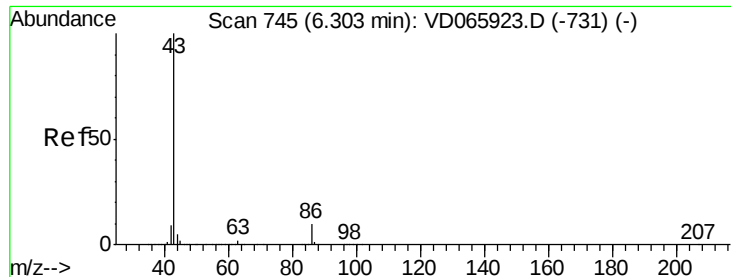
45 100

43 50.9 42.5 63.7

87 25.3 22.2 33.2

59 11.4 8.9 13.3





#23

Vinyl Acetate

Concen: 110.445 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 43 Resp: 793244

Ion Ratio Lower Upper

43 100

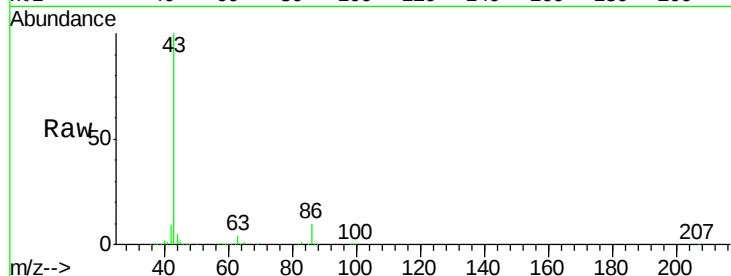
86 10.2 8.1 12.1

Manual Integrations

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MMDadoda

7/8/2020 12:05:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

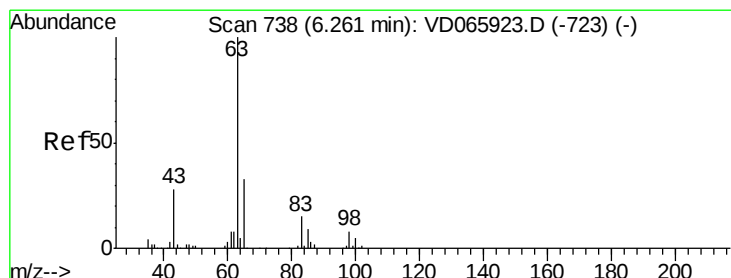
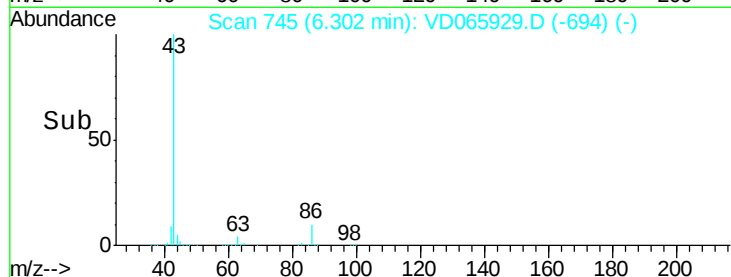
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.083 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

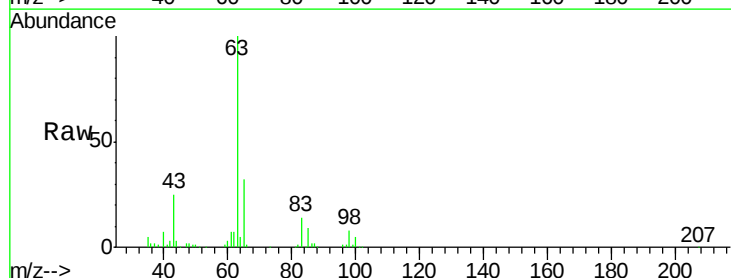
Tgt Ion: 63 Resp: 158184

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 5.5 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

60000

50000

40000

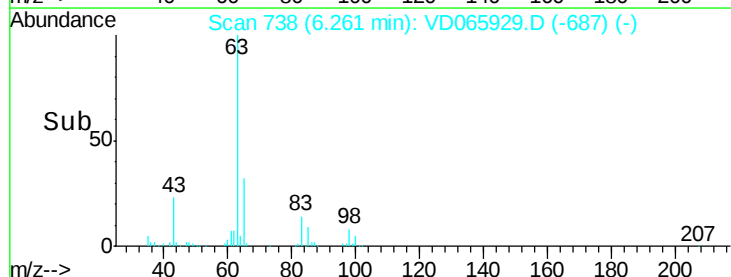
30000

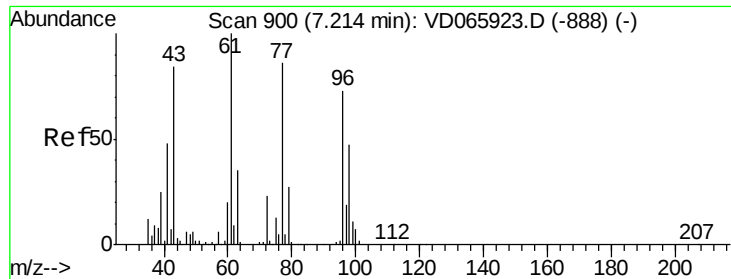
20000

10000

0

Time-->





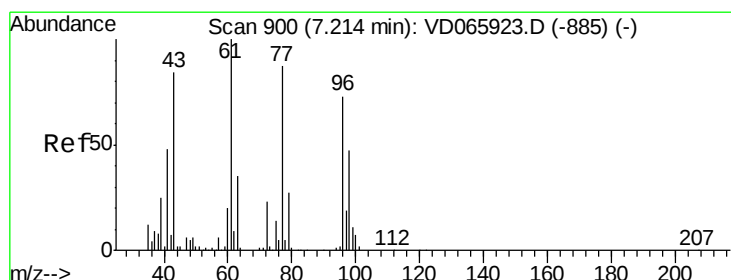
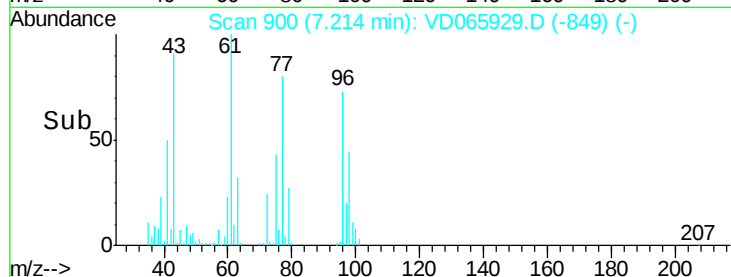
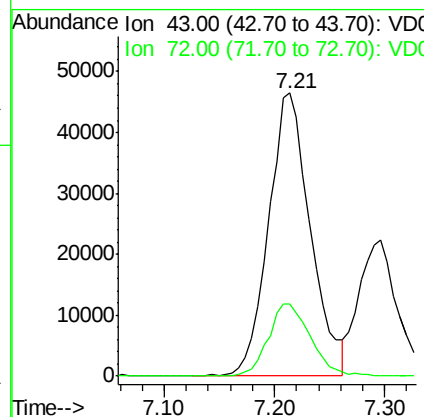
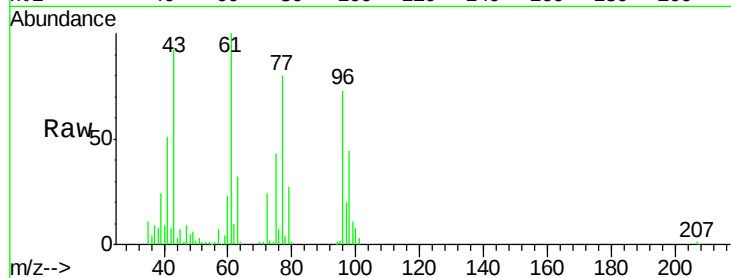
#25
2-Butanone
Concen: 109.521 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion: 43 Resp: 122541
Ion Ratio Lower Upper
43 100
72 25.7 22.1 33.1

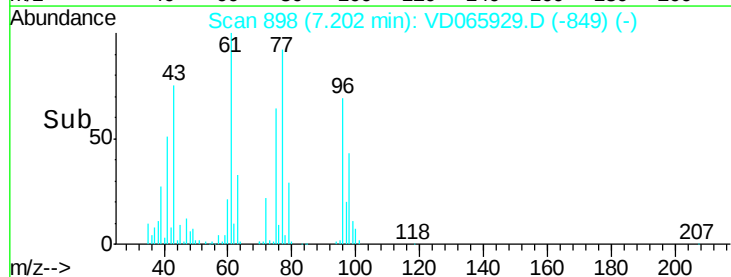
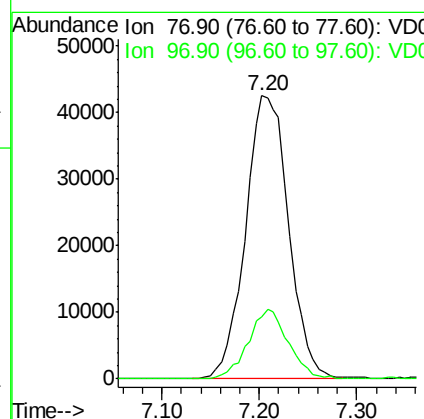
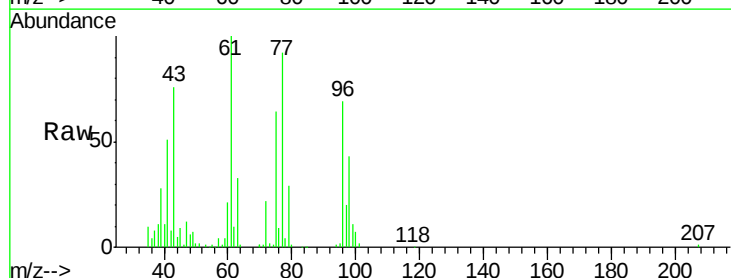
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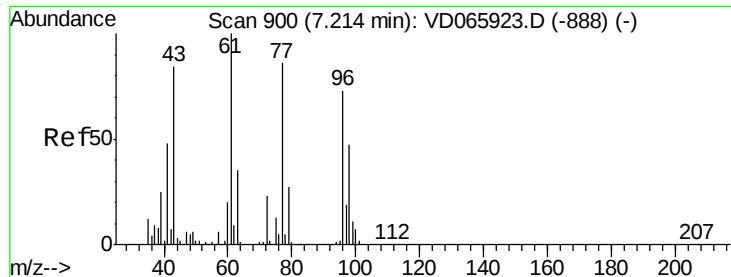
MMDadoda
7/8/2020 12:05:20 PM



#26
2,2-Dichloropropane
Concen: 19.981 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion: 77 Resp: 131150
Ion Ratio Lower Upper
77 100
97 23.0 11.6 34.8





#27

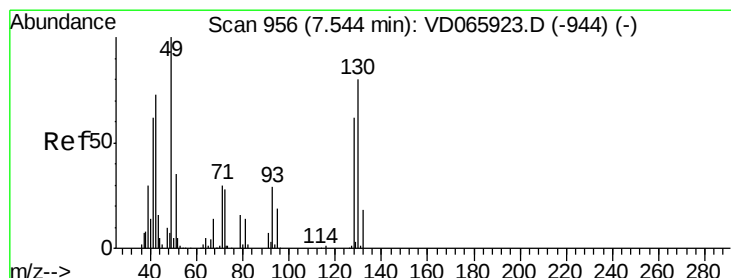
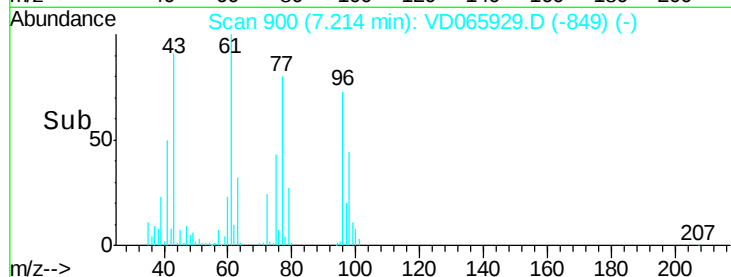
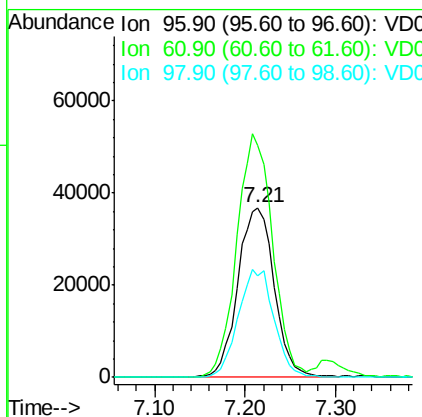
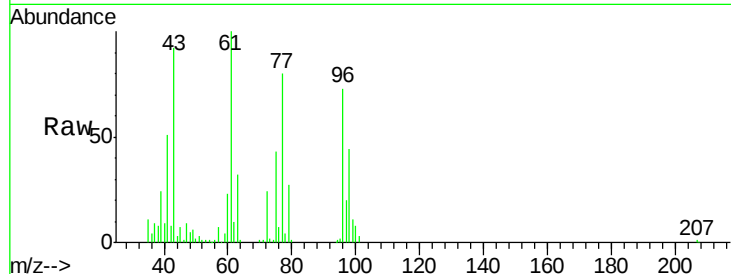
cis-1,2-Dichloroethene
 Concen: 21.531 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.8	0.0	286.6	
98	62.7	0.0	128.2	

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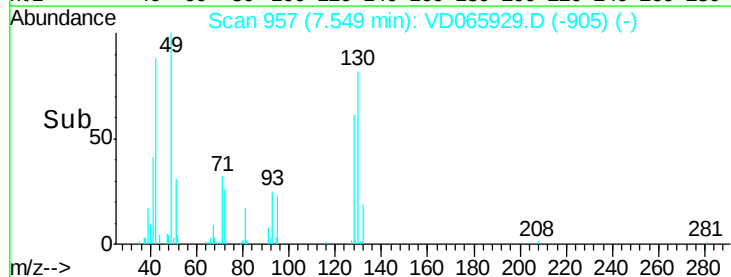
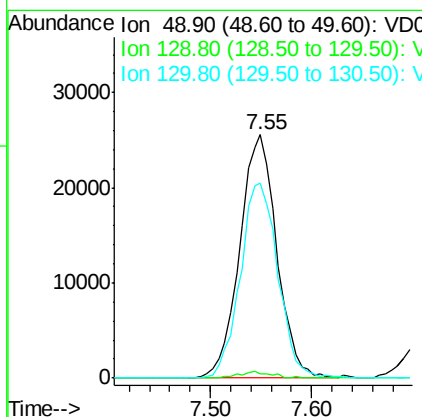
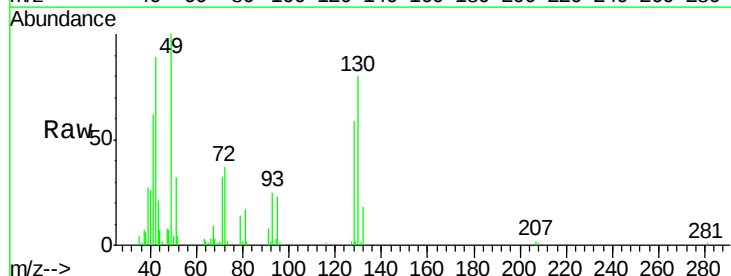
MMDadoda
 7/8/2020 12:05:20 PM

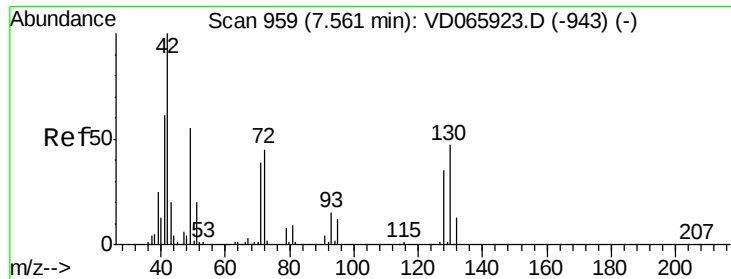


#28

Bromochloromethane
 Concen: 22.831 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.8	
130	81.4	65.8	98.8	





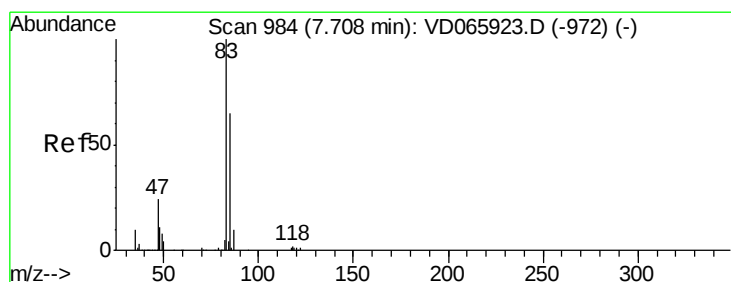
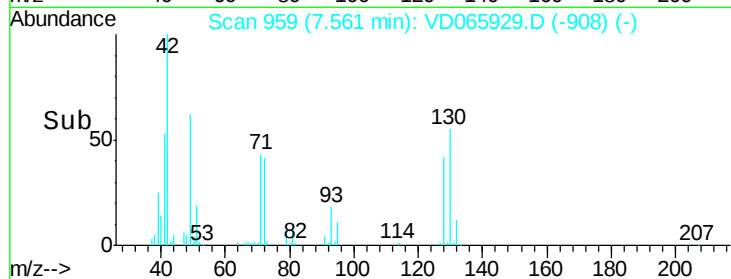
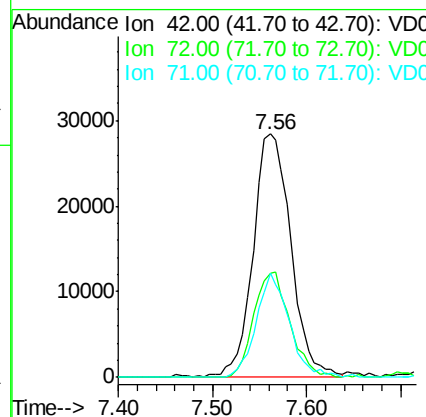
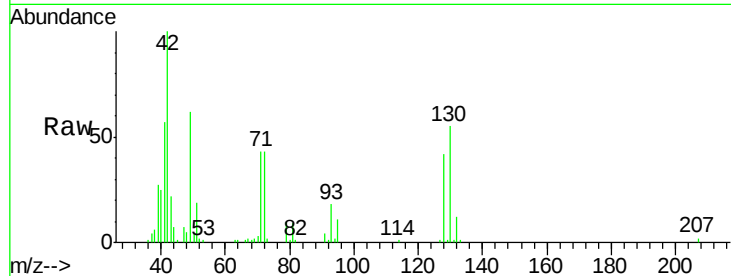
#29
Tetrahydrofuran
Concen: 111.283 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.8	49.2
71	37.3	31.0	46.4

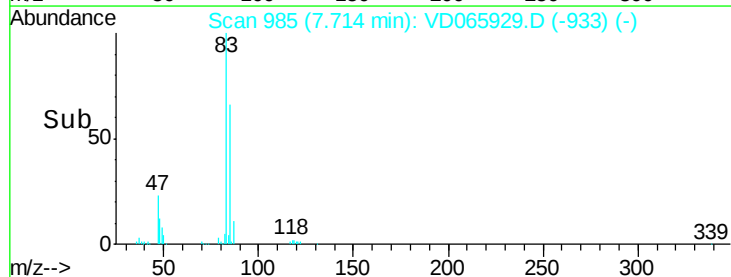
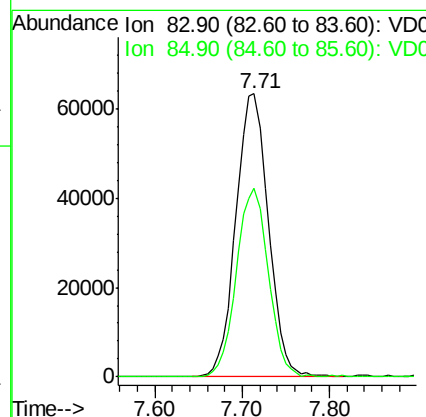
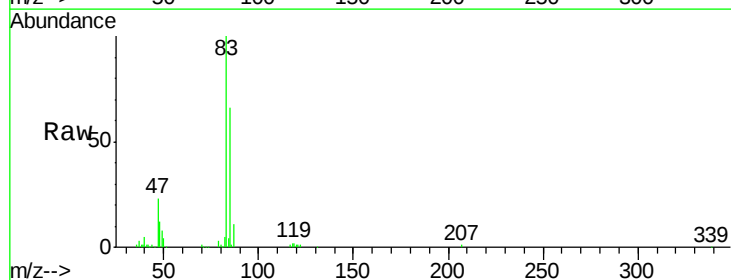
Manual Integrations
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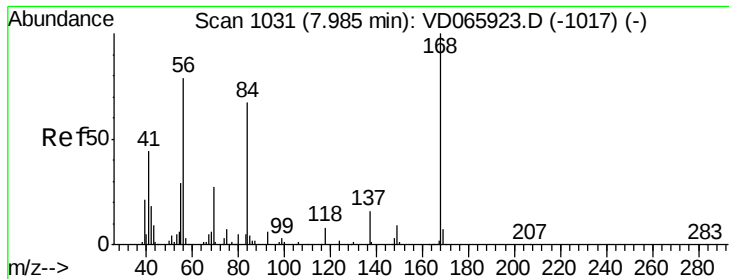
MMDadoda
7/8/2020 12:05:20 PM



#30
Chloroform
Concen: 21.031 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.6	77.4





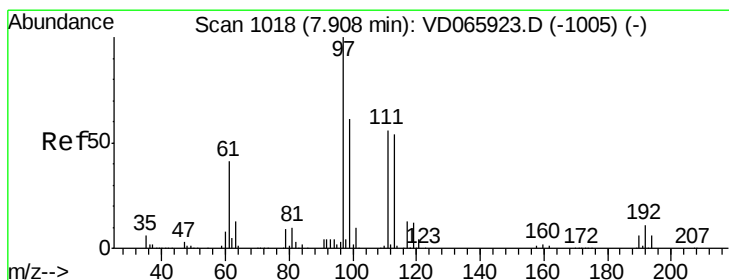
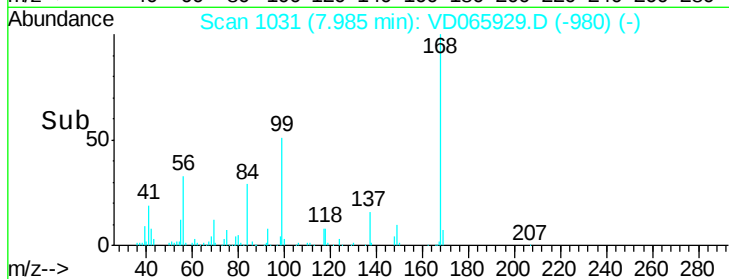
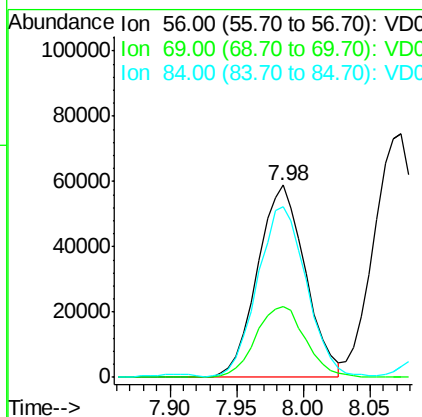
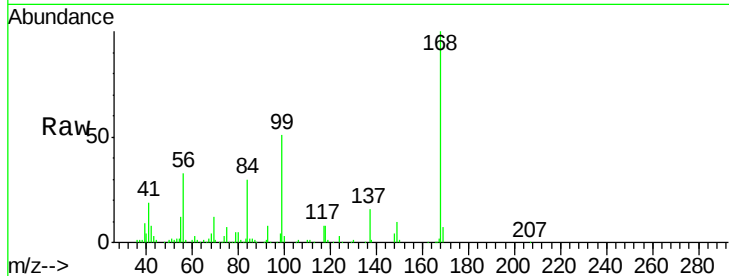
#31
Cyclohexane
Concen: 19.831 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	27.4	41.0
84	87.4	68.6	102.8

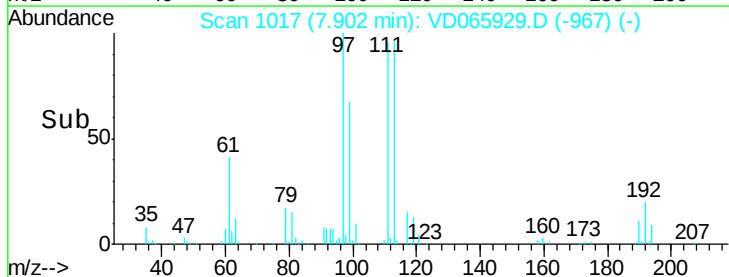
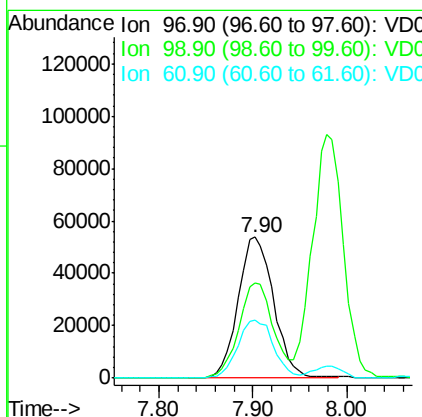
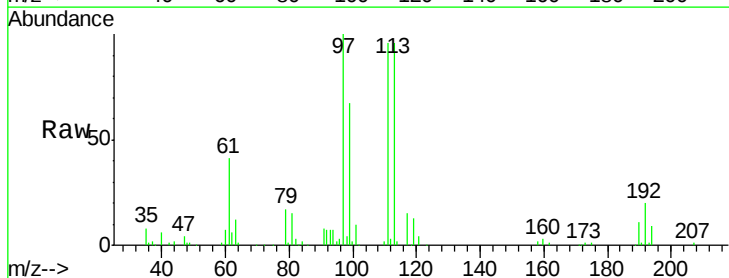
Manual Integrations
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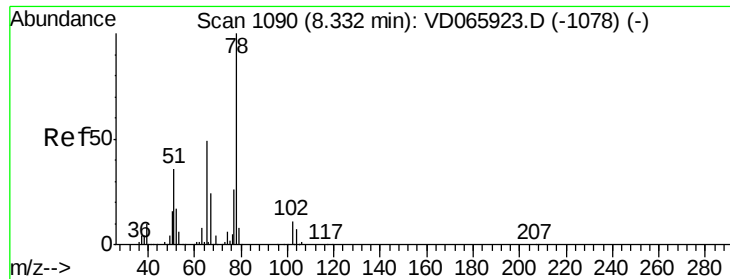
MMDadoda
7/8/2020 12:05:20 PM



#32
1,1,1-Trichloroethane
Concen: 20.419 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	41.5	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 46.718 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 65 Resp: 168792

Ion Ratio Lower Upper

65 100

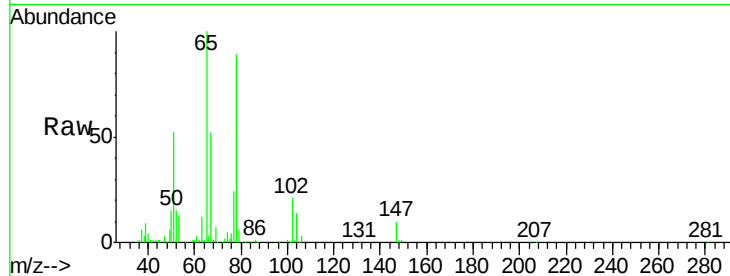
67 53.7 0.0 105.6

Manual Integrations

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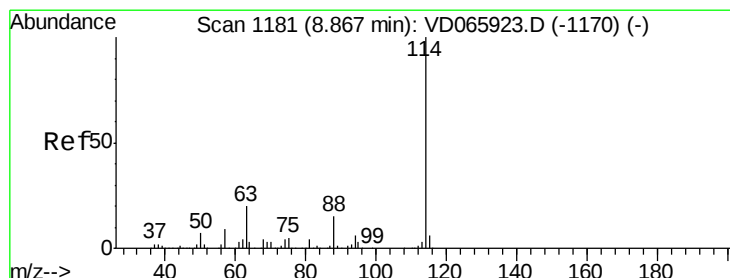
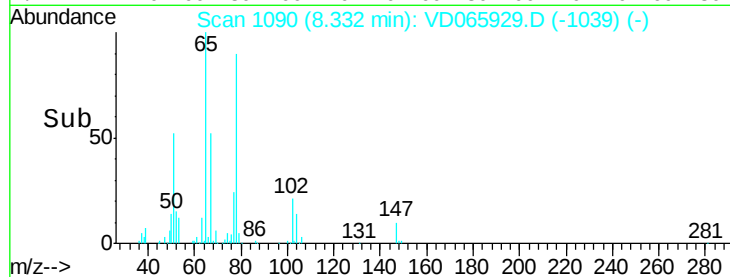
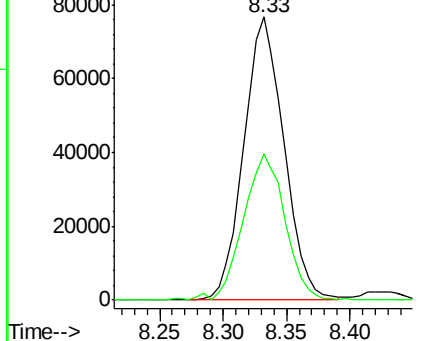
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

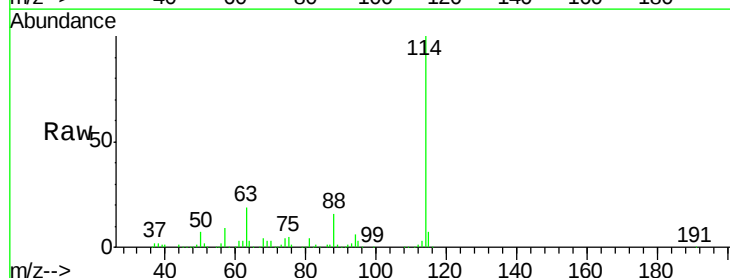
Tgt Ion:114 Resp: 629254

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.2

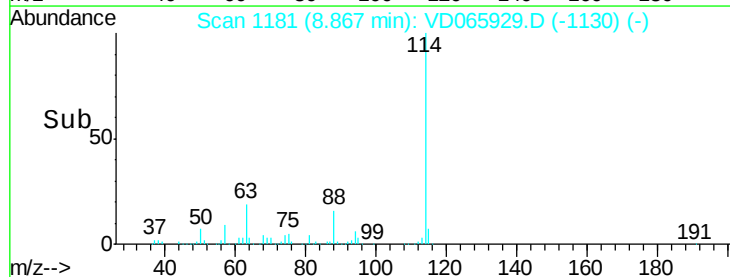
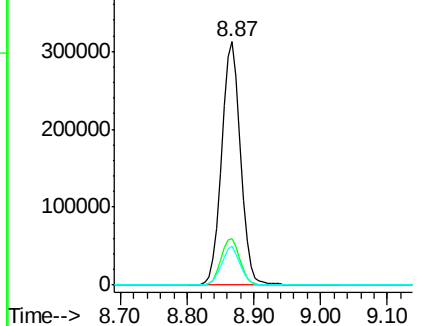
88 16.0 0.0 30.0

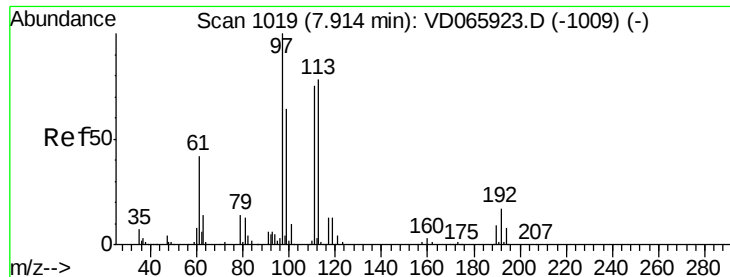


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





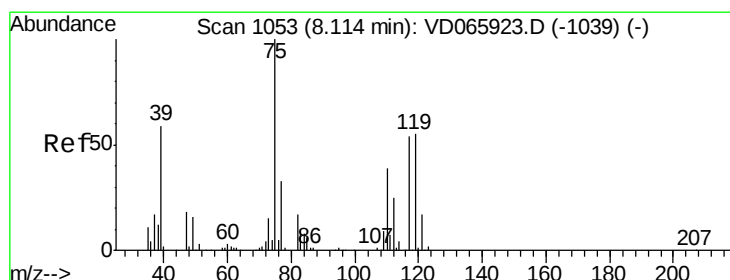
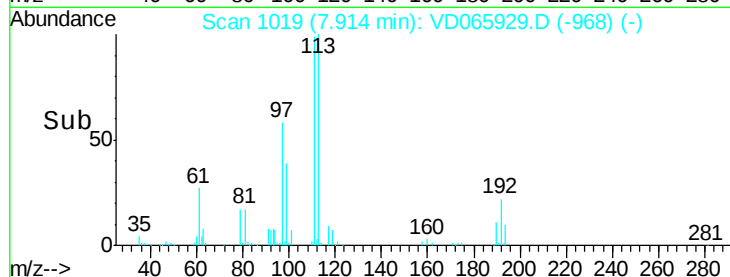
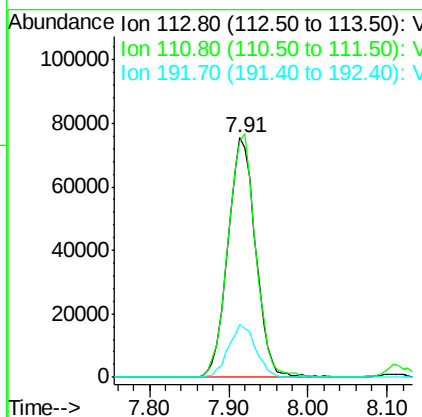
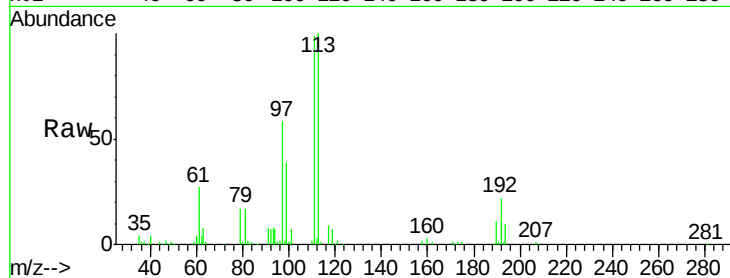
#35
Dibromofluoromethane
Concen: 47.076 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	21.6	17.1	25.7

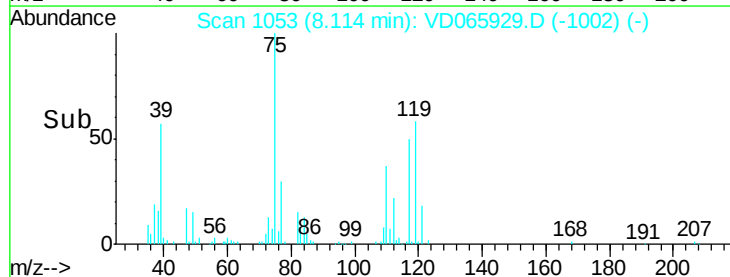
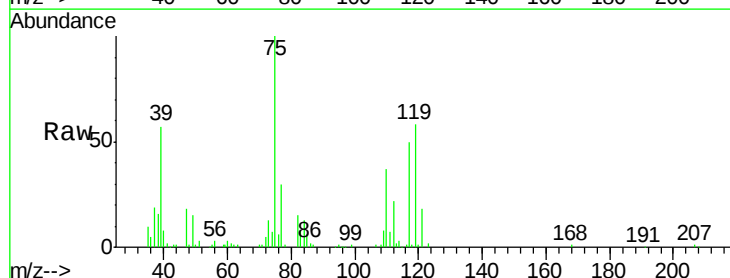
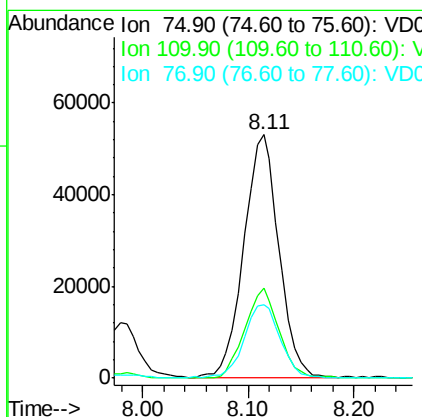
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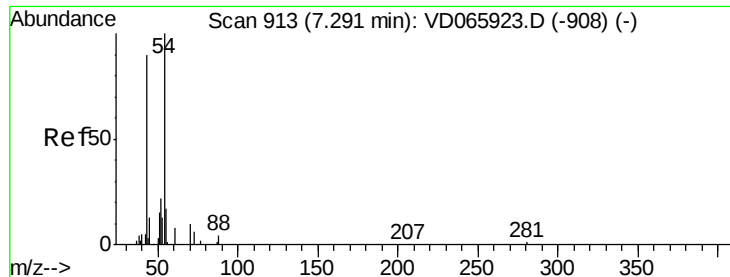
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.684 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.5	55.5
77	31.4	25.6	38.4





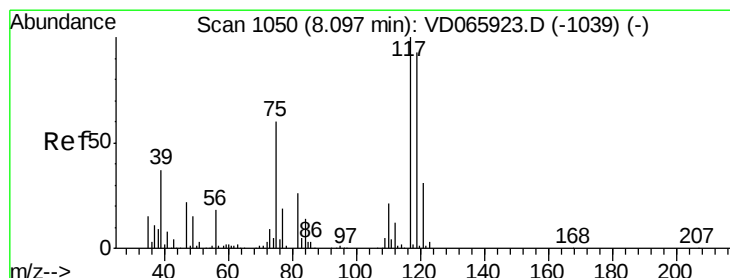
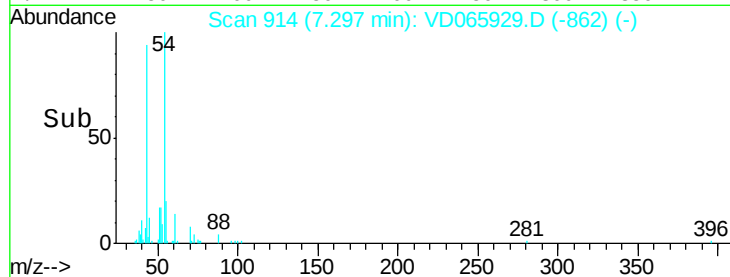
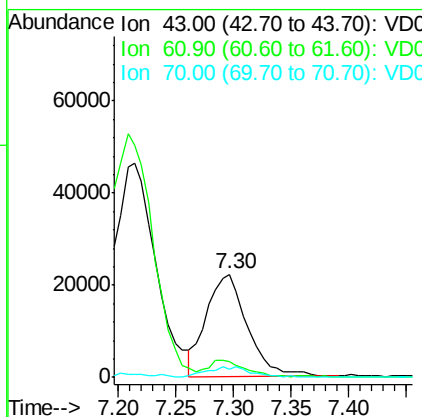
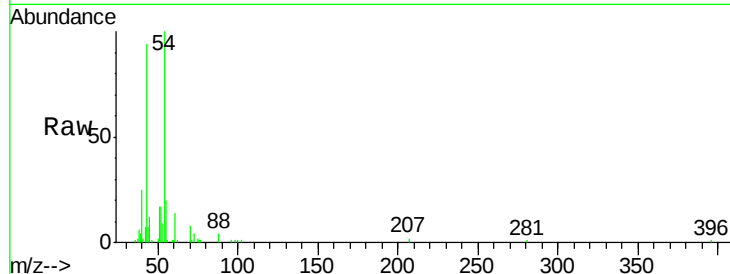
#37
Ethyl Acetate
Concen: 21.086 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	9.4	14.0
70	10.8	8.3	12.5

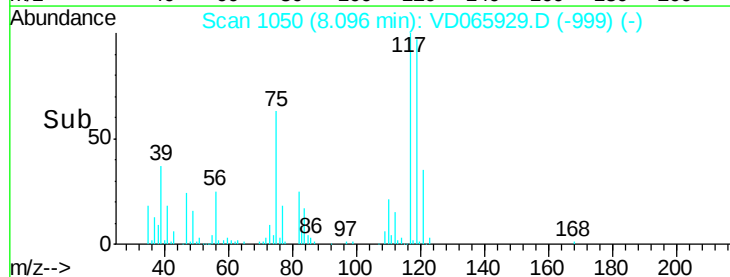
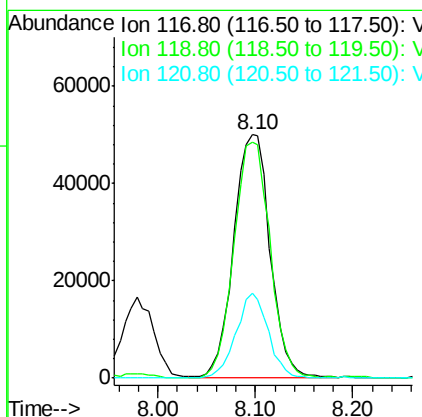
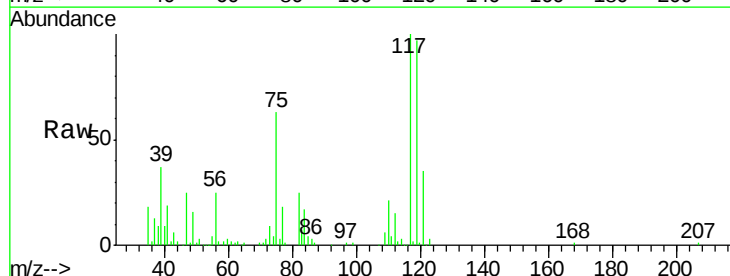
Manual Integrations
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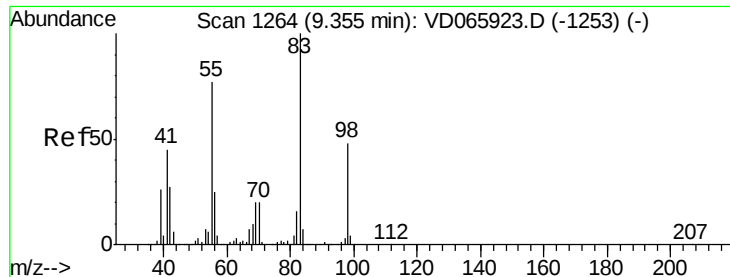
MMDadoda
7/8/2020 12:05:20 PM



#38
Carbon Tetrachloride
Concen: 19.432 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	74.7	112.1
121	35.0	24.9	37.3





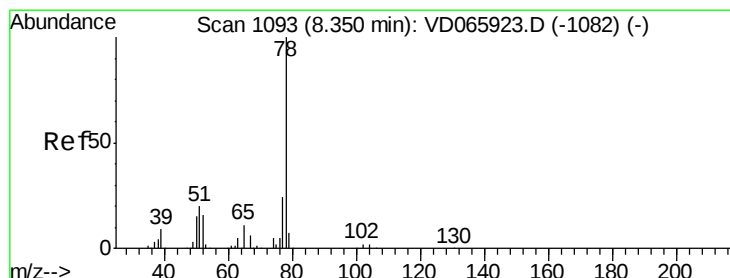
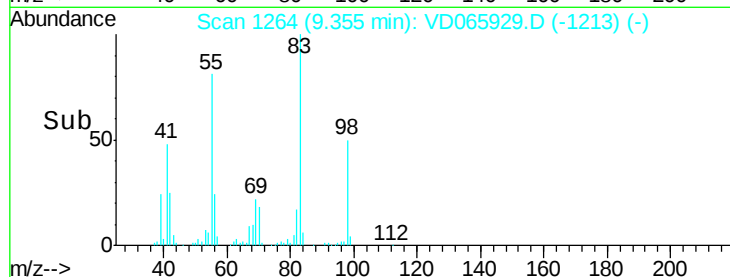
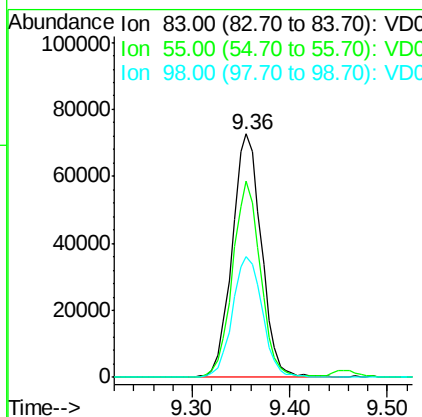
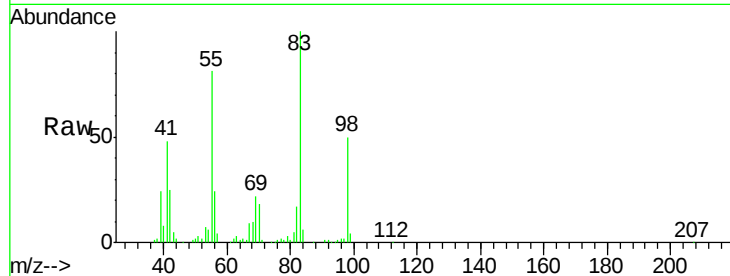
#39
Methvlcvclohexane
Concen: 19.842 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	151397		
55	80.6	61.7	92.5	
98	49.6	38.6	58.0	

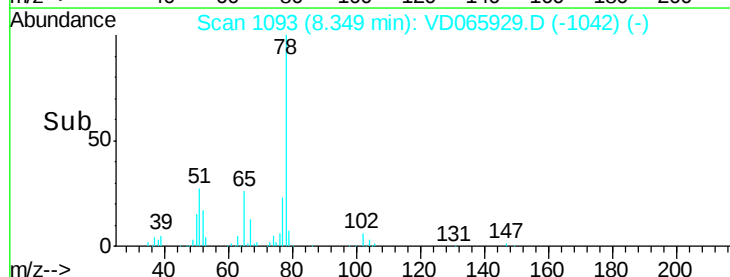
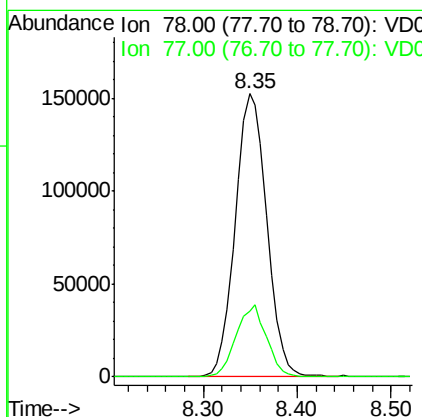
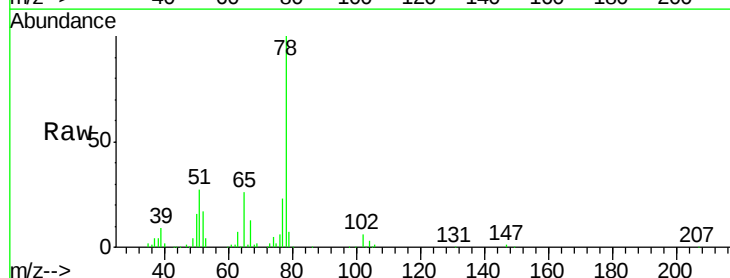
Manual Integrations
APPROVED

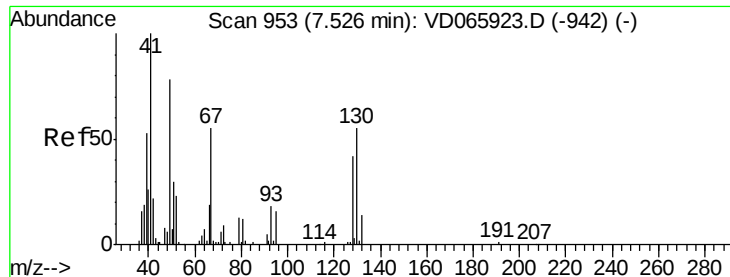
MMDadoda
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#40
Benzene
Concen: 20.694 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	355293		
77	23.4	19.4	29.0	





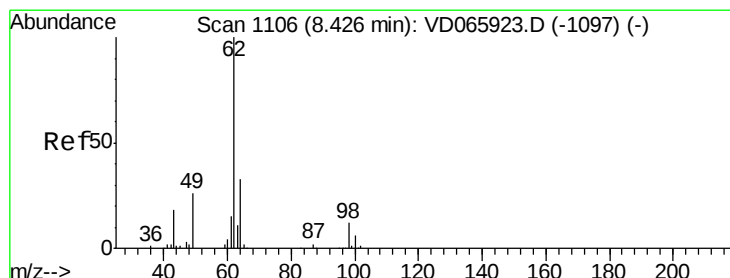
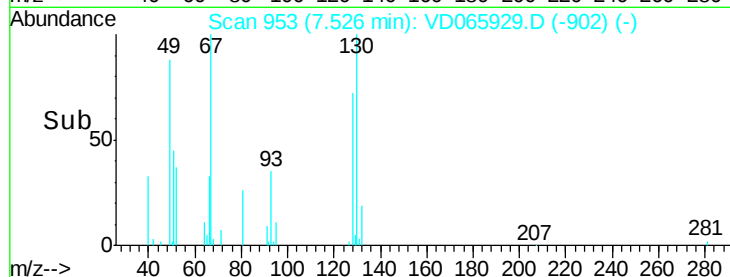
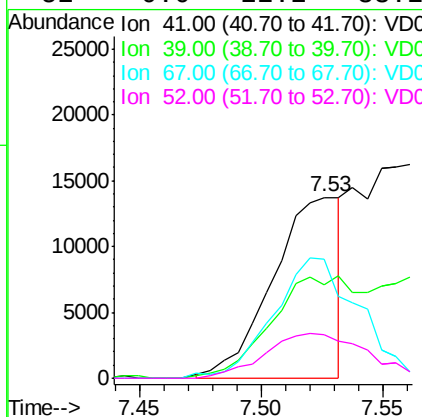
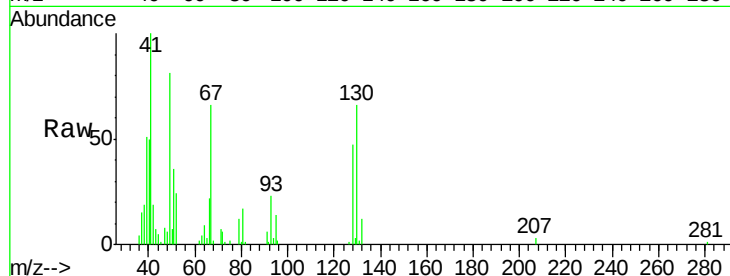
#41
Methacrylonitrile
Concen: 17.916 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.4	63.6#
67	0.0	53.6	80.4#
52	0.0	22.2	33.2#

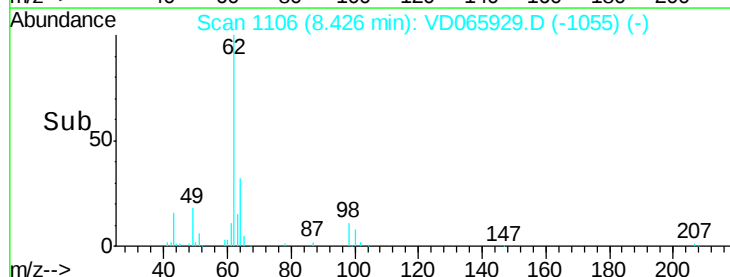
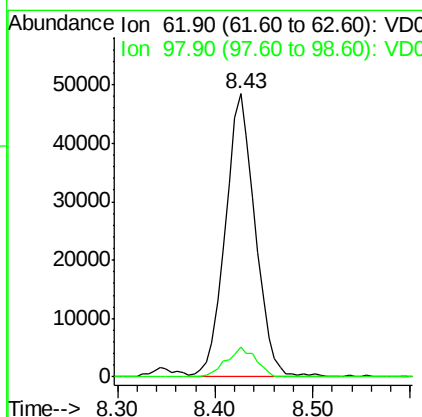
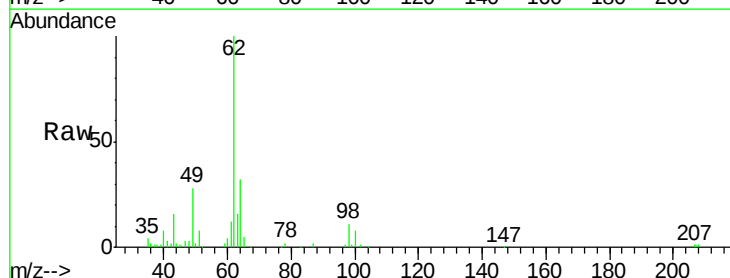
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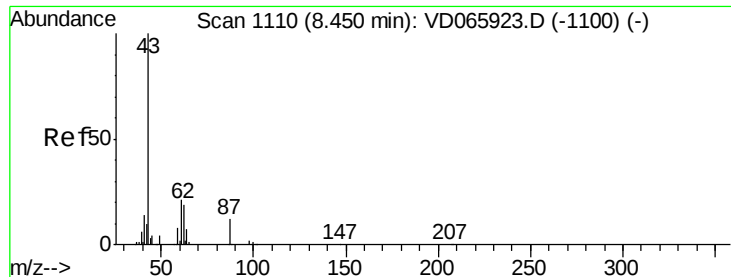
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.111 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.0





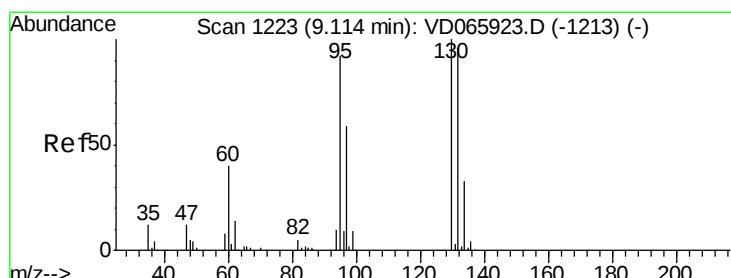
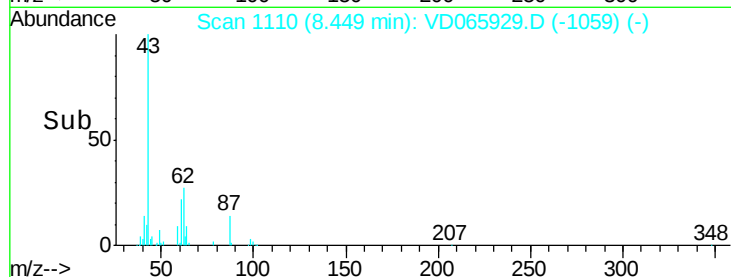
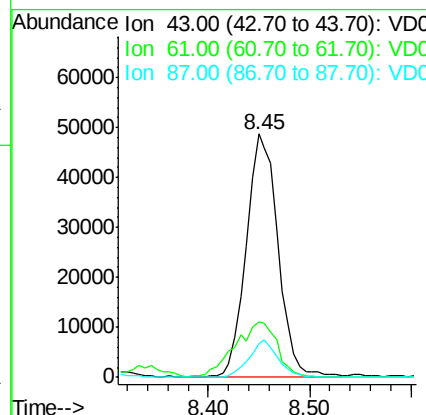
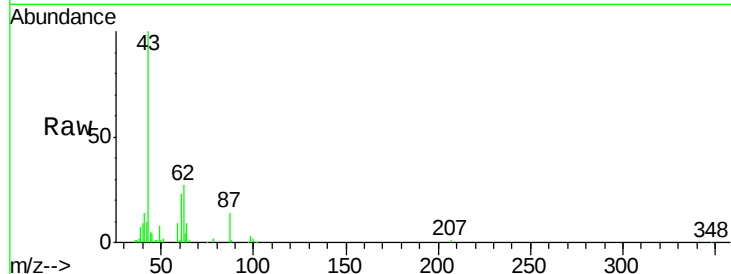
#43
Isopropyl Acetate
Concen: 21.923 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.2	34.8
87	13.9	10.0	15.0

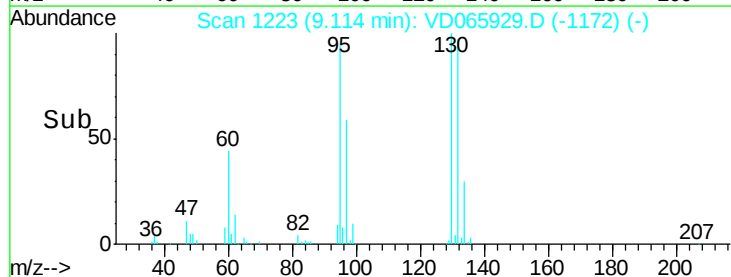
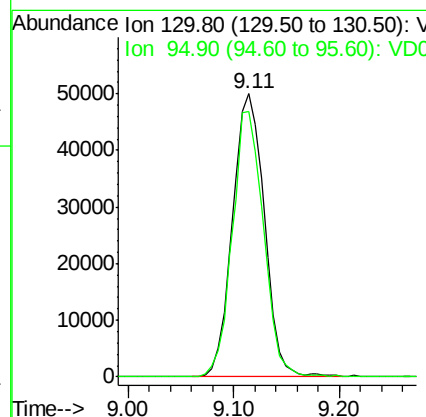
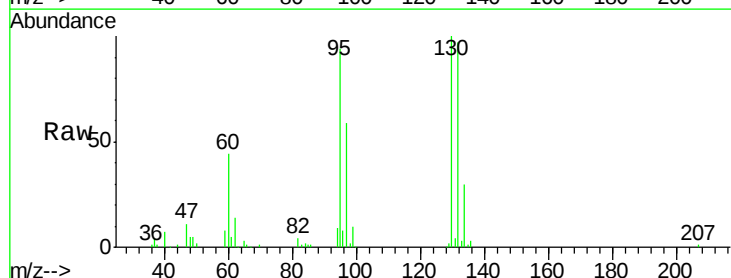
Manual Integrations
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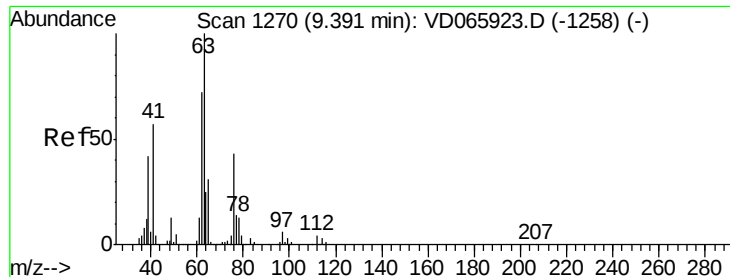
MMDadoda
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#44
Trichloroethene
Concen: 20.616 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	184.6





#45

1,2-Dichloropropane

Concen: 20.443 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 63 Resp: 87116

Ion Ratio Lower Upper

63 100

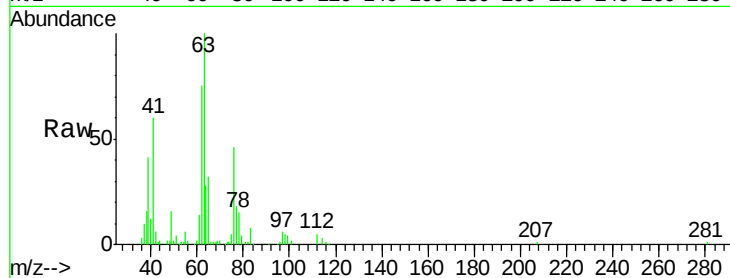
65 31.9 25.0 37.6

Manual Integrations

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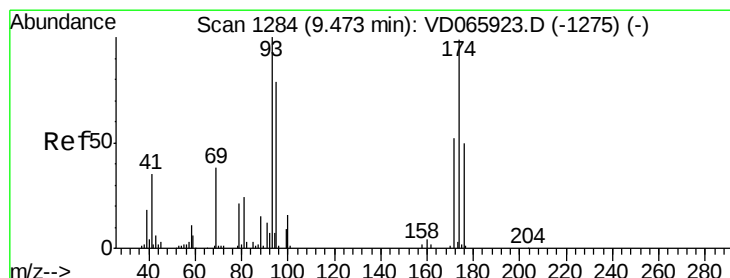
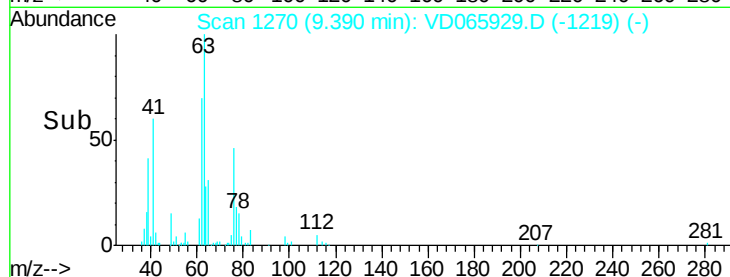
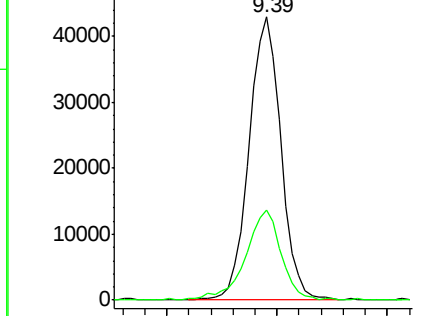
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.418 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

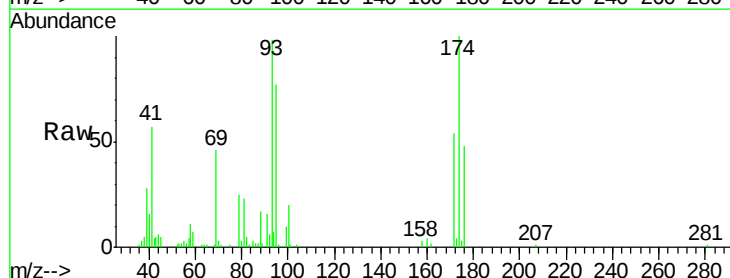
Tgt Ion: 93 Resp: 47518

Ion Ratio Lower Upper

93 100

95 83.7 68.2 102.2

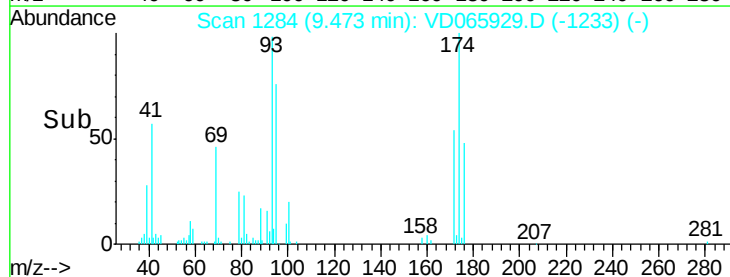
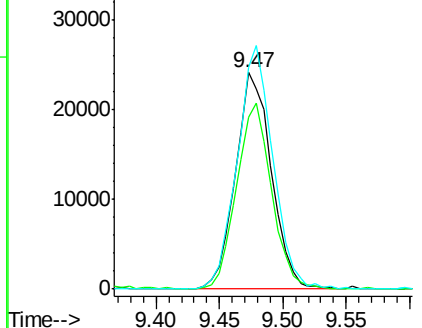
174 111.9 88.0 132.0

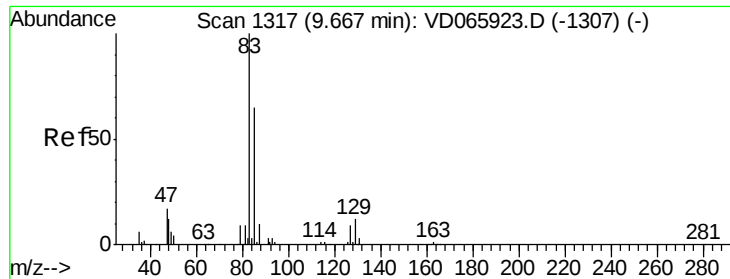


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 21.321 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

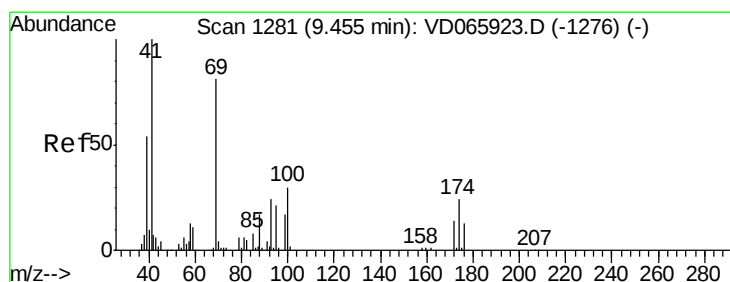
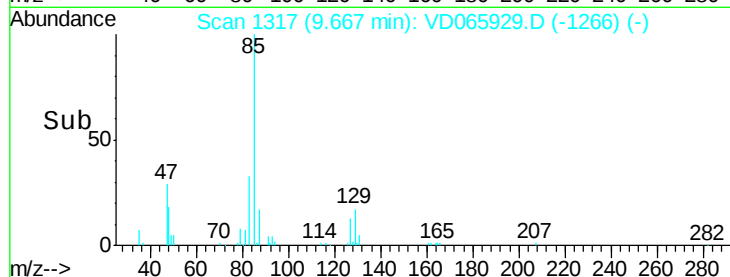
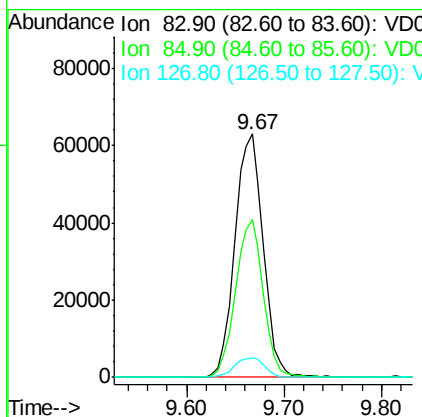
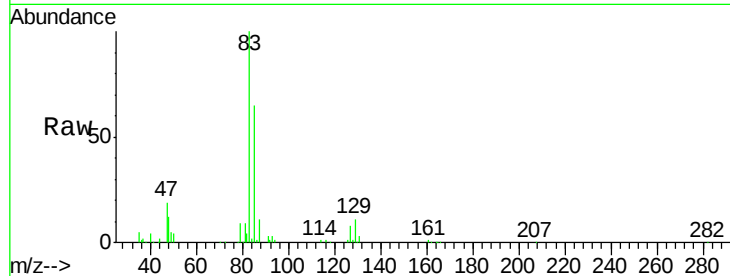
ClientSampleId :

VD0707SBS01

Tot Ion:	83	Resp:	126884
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4
127	8.2	7.2	10.8

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#48

Methyl methacrylate

Concen: 22.402 ug/l

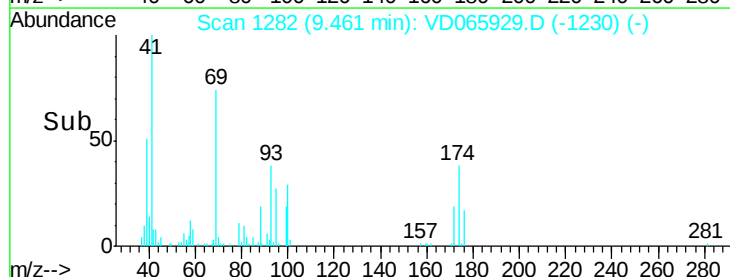
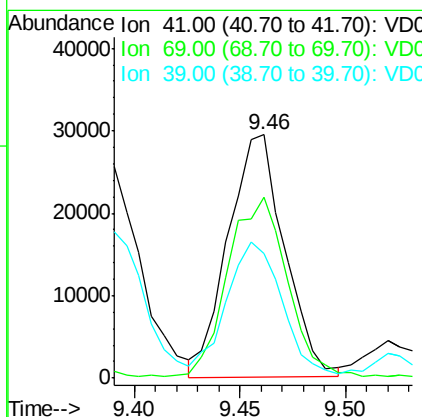
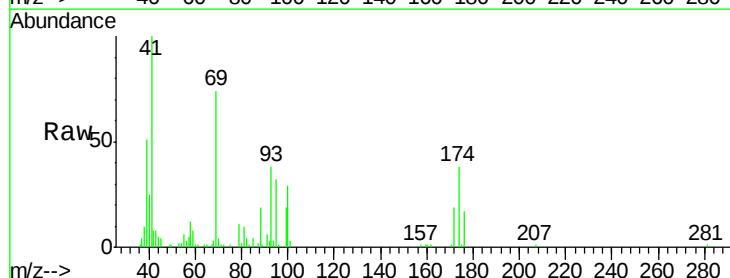
RT: 9.46 min Scan# 1282

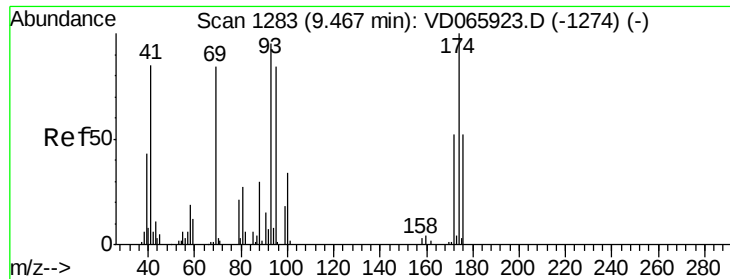
Delta R.T. 0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Tgt Ion:	41	Resp:	54663
Ion	Ratio	Lower	Upper
41	100		
69	80.1	62.2	93.4
39	52.0	39.9	59.9





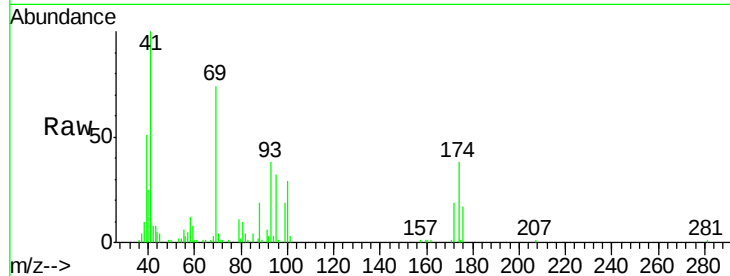
#49
1,4-Dioxane
Concen: 451.313 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

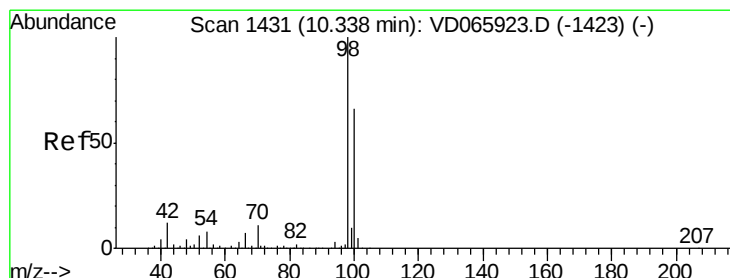
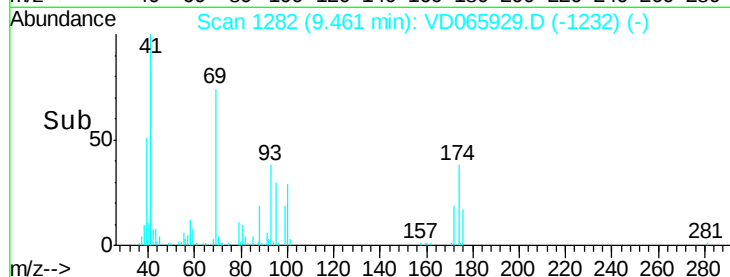
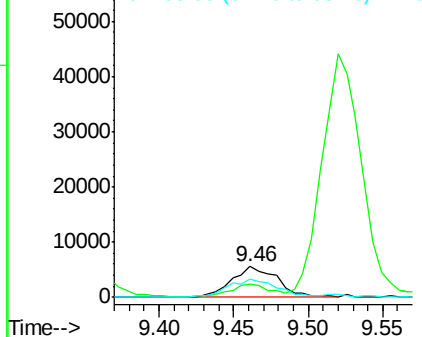
Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	28.2	42.4
58	64.4	58.6	87.8

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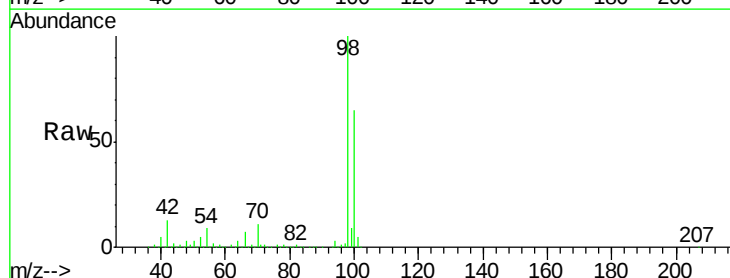


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

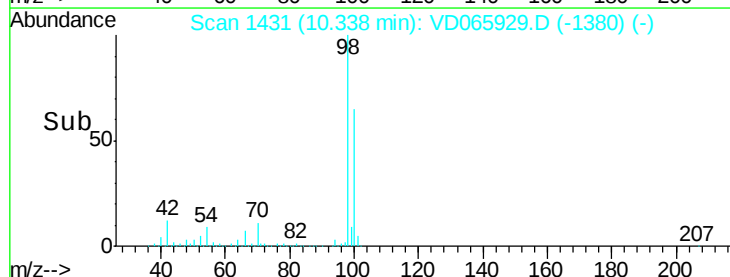
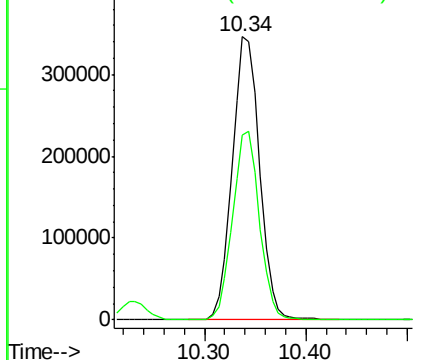


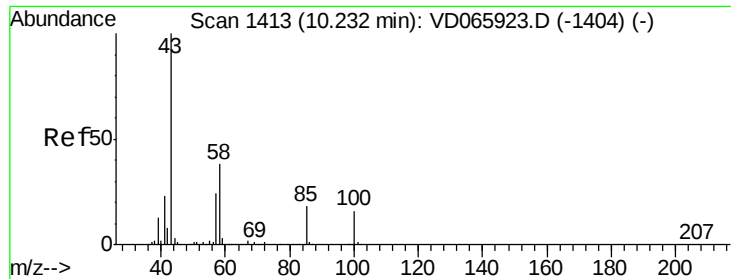
#50
Toluene-d8
Concen: 45.833 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 108.141 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 43 Resp: 264998

Ion Ratio Lower Upper

43 100

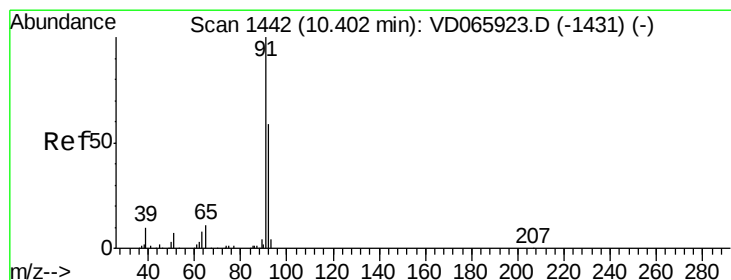
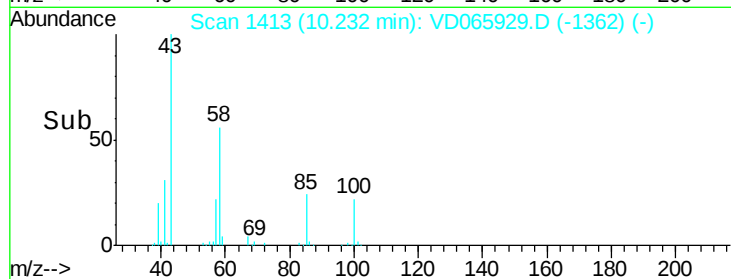
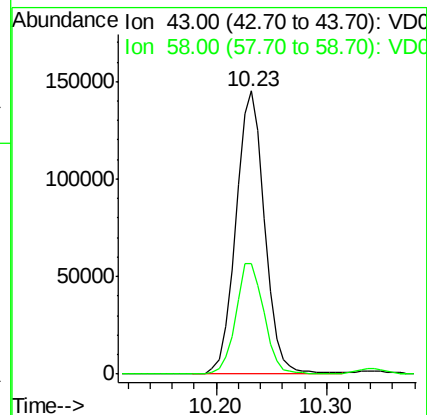
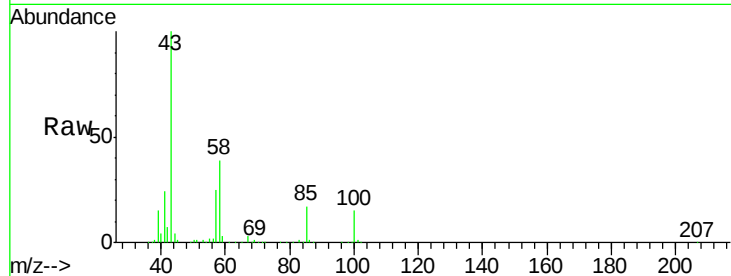
58 38.6 30.5 45.7

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#52

Toluene

Concen: 20.959 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065929.D

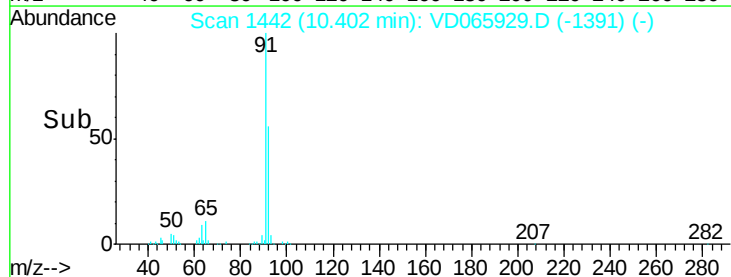
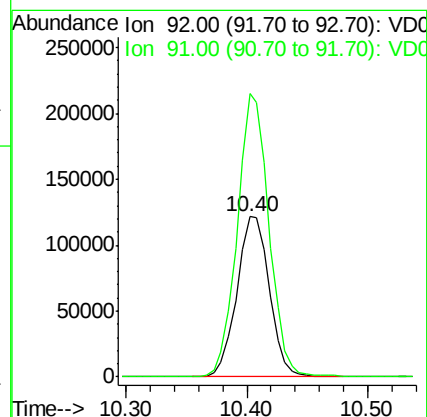
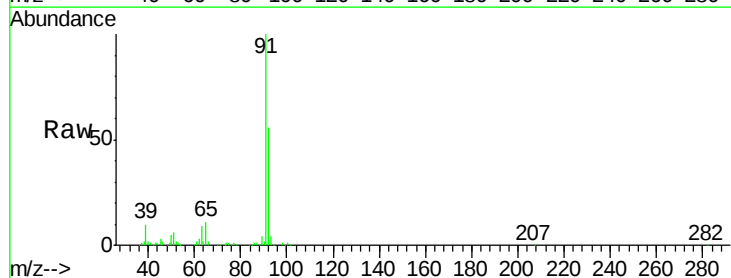
Acq: 07 Jul 2020 19:05

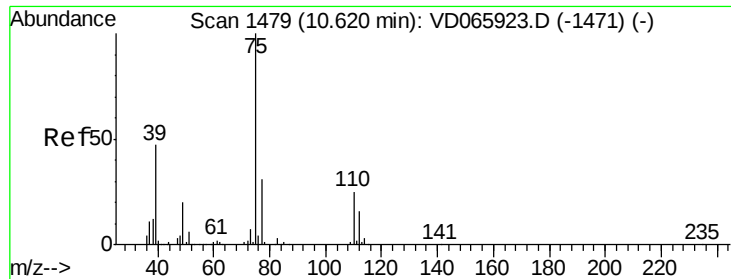
Tgt Ion: 92 Resp: 228938

Ion Ratio Lower Upper

92 100

91 171.8 136.0 204.0





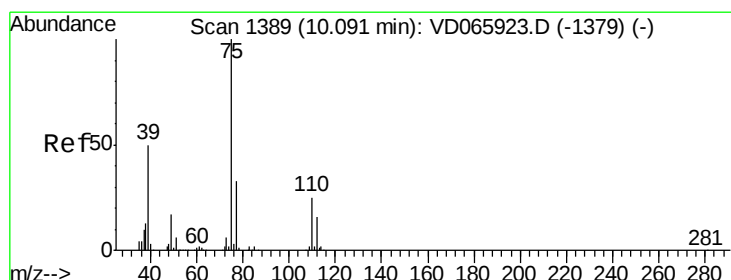
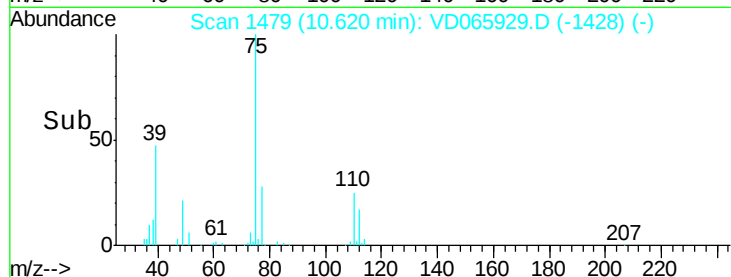
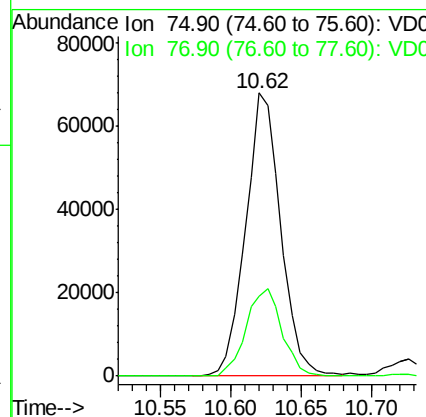
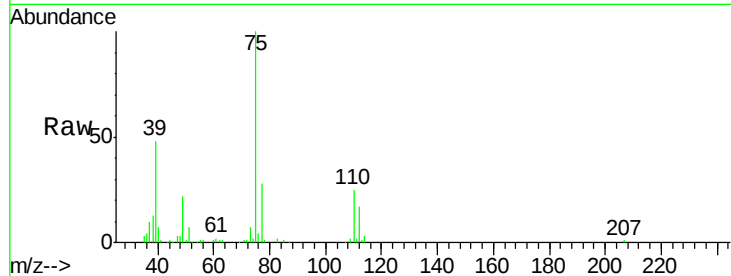
#53
 t-1,3-Dichloropropene
 Concen: 21.129 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Tot Ion: 75 Resp: 118233
 Ion Ratio Lower Upper
 75 100
 77 28.3 25.1 37.7

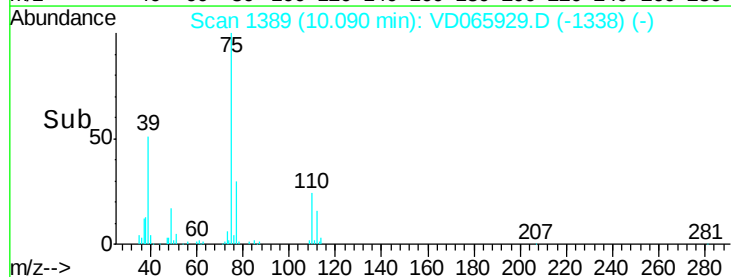
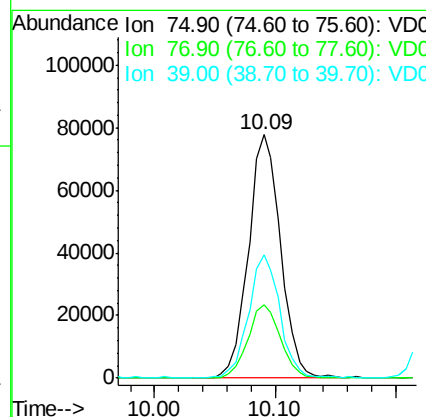
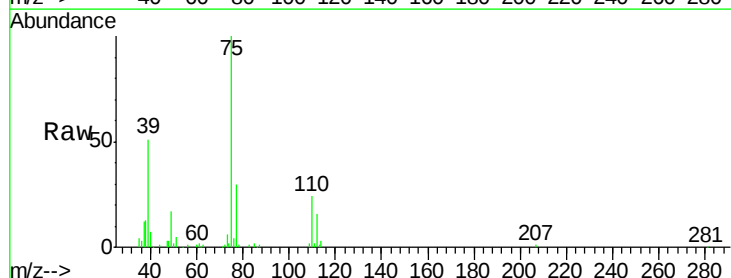
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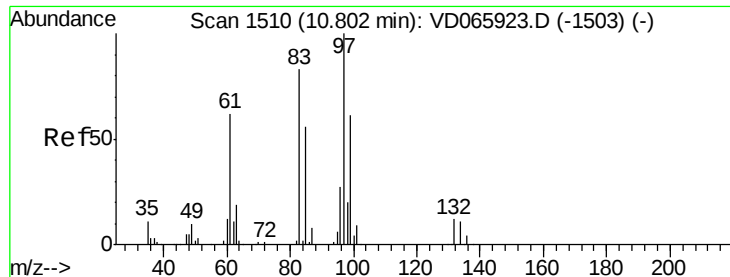
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#54
 cis-1,3-Dichloropropene
 Concen: 21.350 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Tgt Ion: 75 Resp: 144360
 Ion Ratio Lower Upper
 75 100
 77 30.0 26.6 39.8
 39 50.6 39.6 59.4





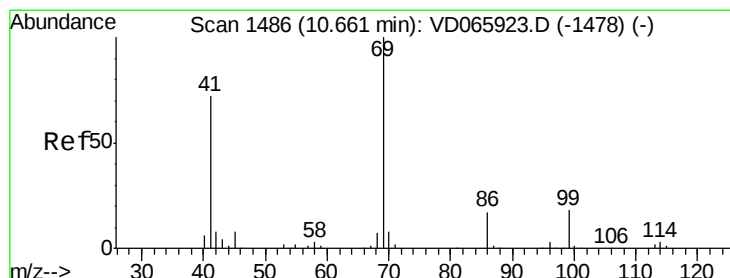
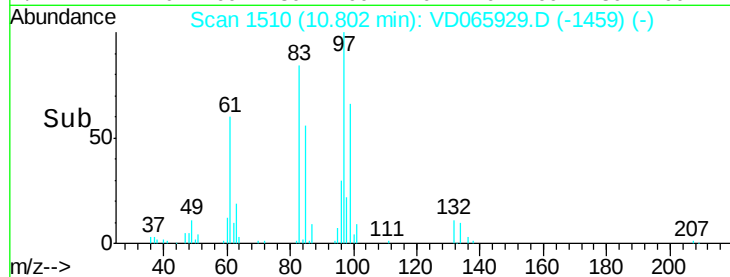
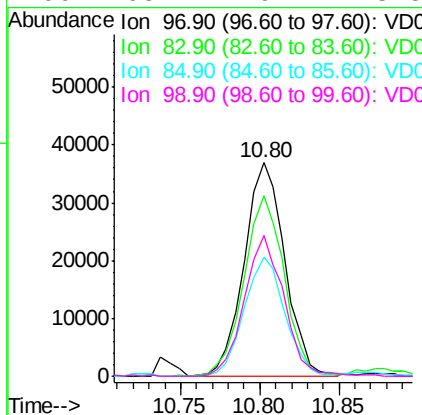
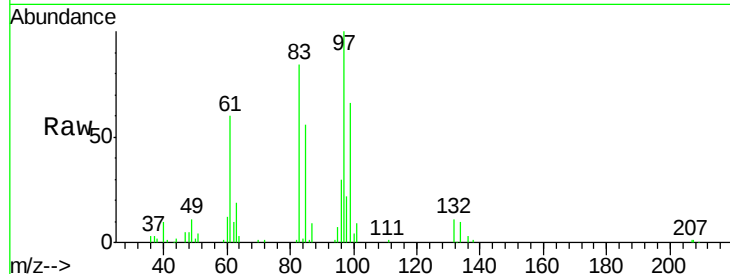
#55
 1,1,2-Trichloroethane
 Concen: 21.590 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	65996		
83	84.5	66.9	100.3	
85	56.0	44.5	66.7	
99	65.7	49.2	73.8	

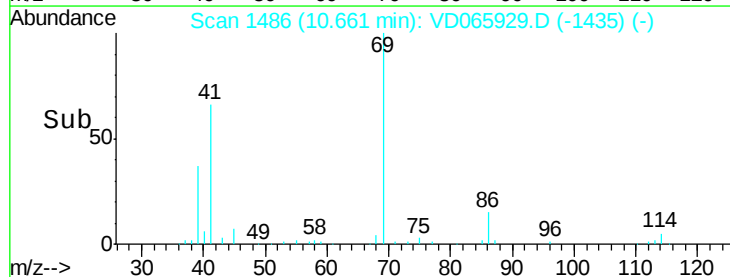
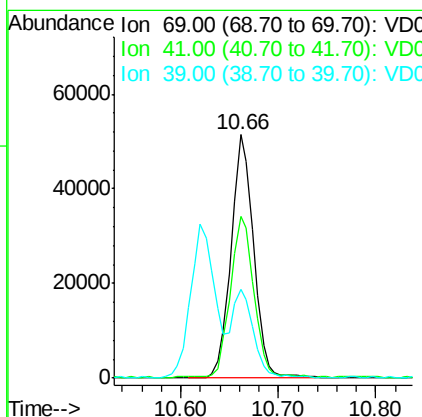
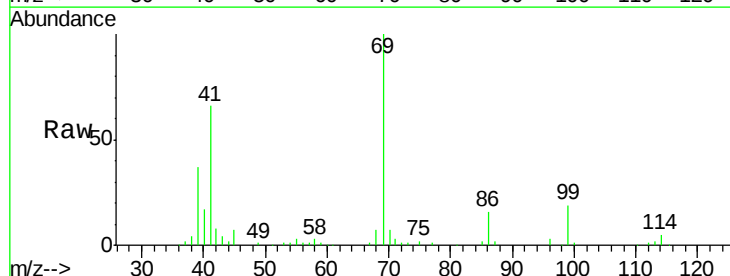
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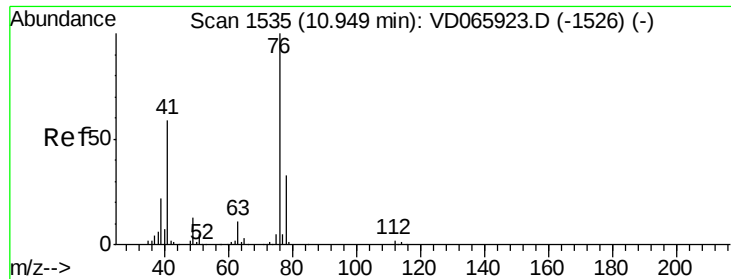
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#56
 Ethyl methacrylate
 Concen: 22.179 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	82803		
41	69.8	56.5	84.7	
39	36.4	29.2	43.8	





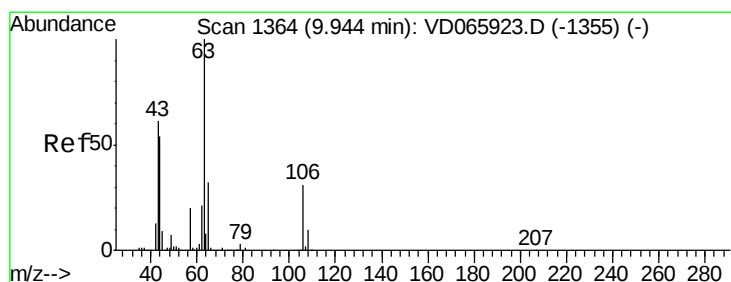
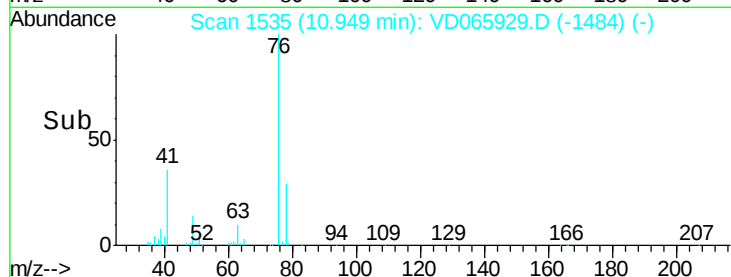
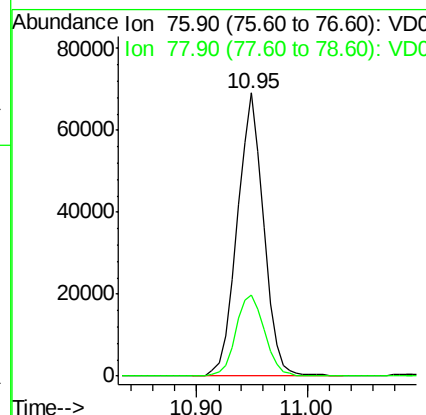
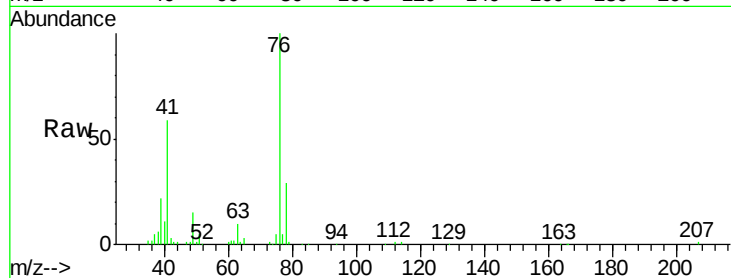
#57
 1,3-Dichloropropane
 Concen: 21.708 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.8	38.6

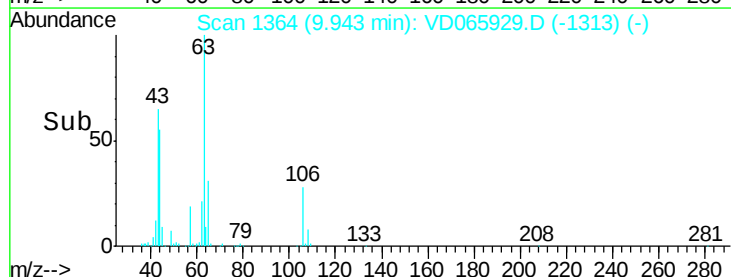
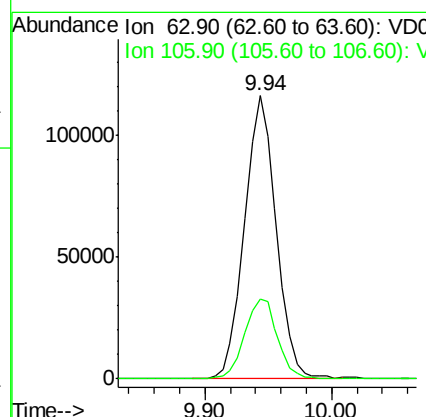
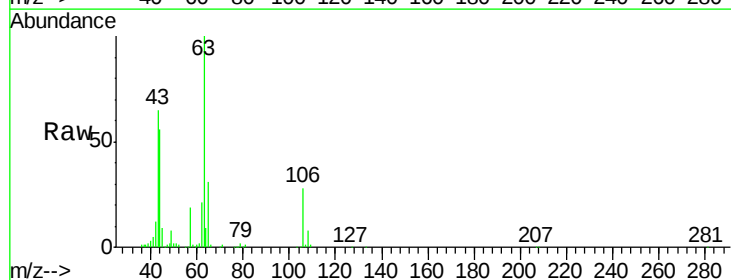
Manual Integrations
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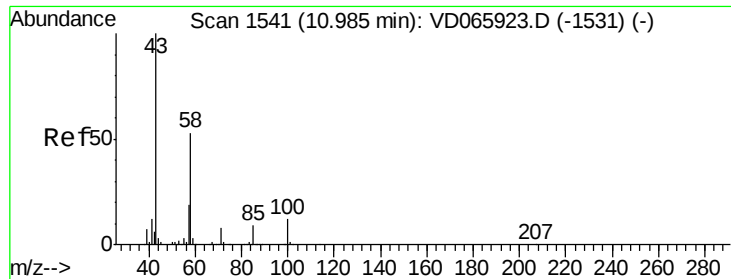
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.148 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.8	35.6





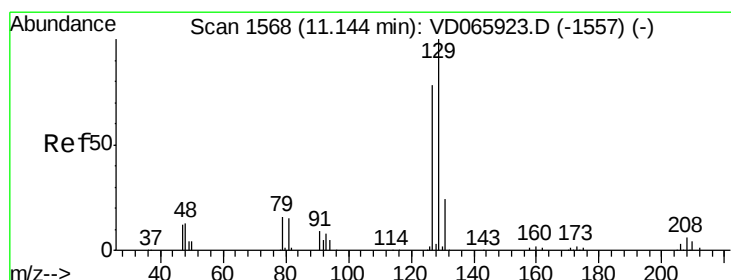
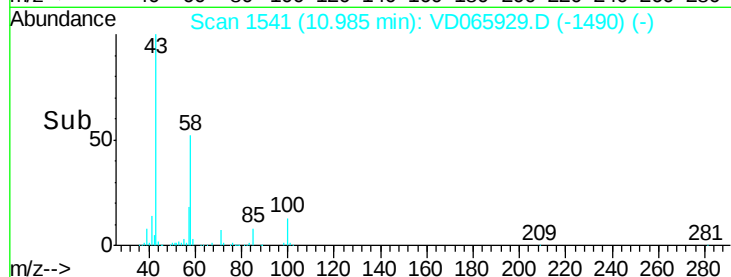
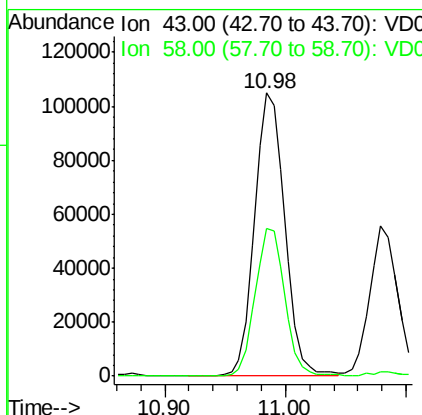
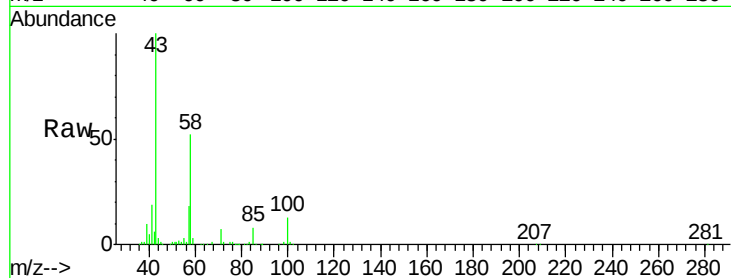
#59
2-Hexanone
Concen: 109.122 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion: 43 Resp: 183901
Ion Ratio Lower Upper
43 100
58 51.2 26.6 79.8

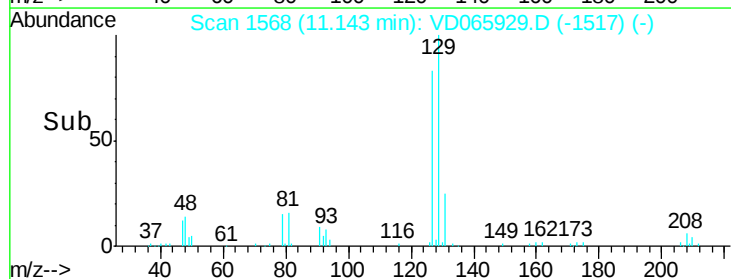
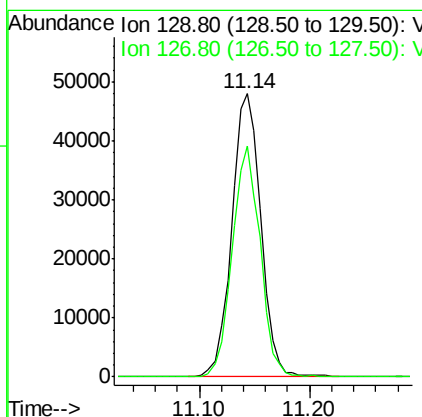
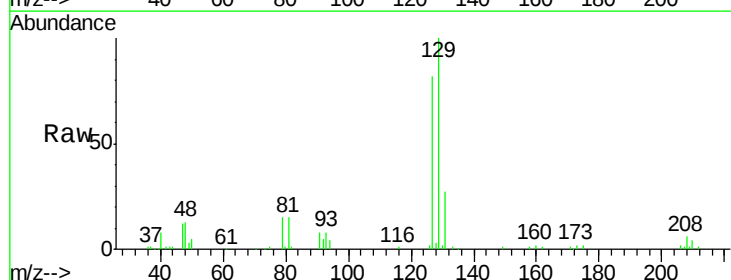
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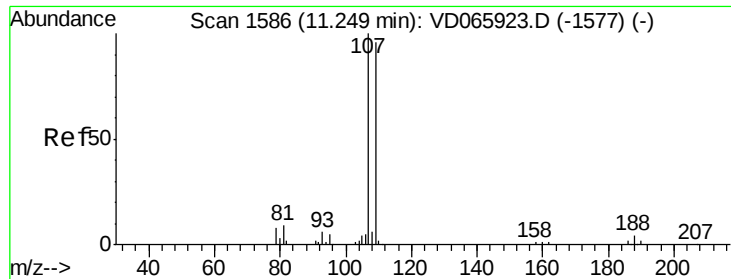
MMDadoda
7/8/2020 12:05:20 PM



#60
Dibromochloromethane
Concen: 21.251 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion: 129 Resp: 88750
Ion Ratio Lower Upper
129 100
127 78.3 38.8 116.4





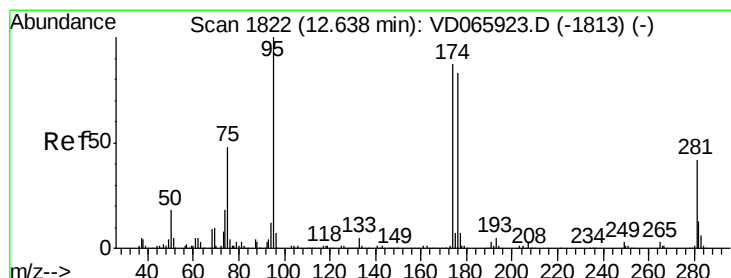
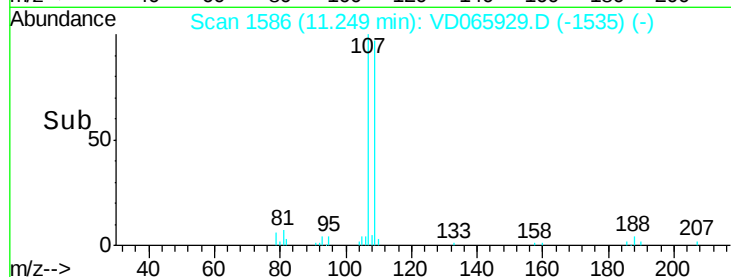
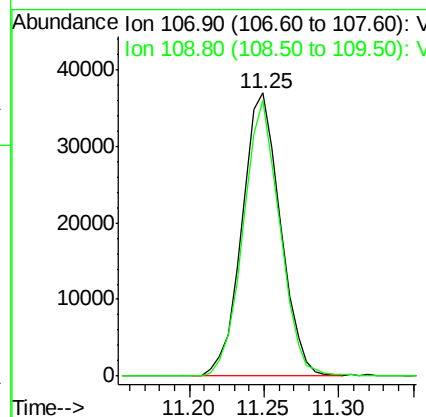
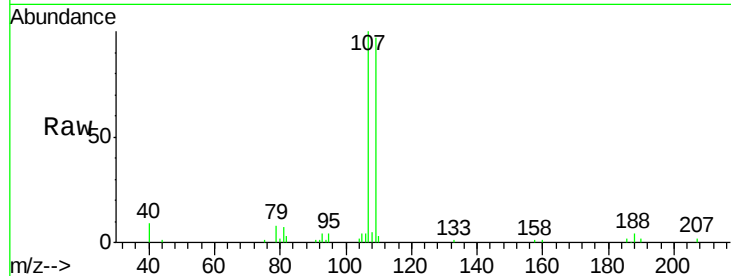
#61
 1,2-Dibromoethane
 Concen: 21.575 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBSD01

Tot Ion: 107 Resp: 65754
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.4 113.0

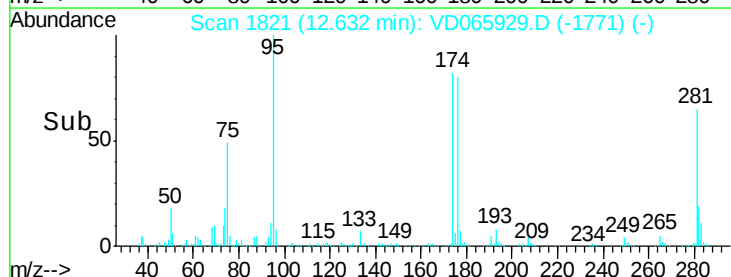
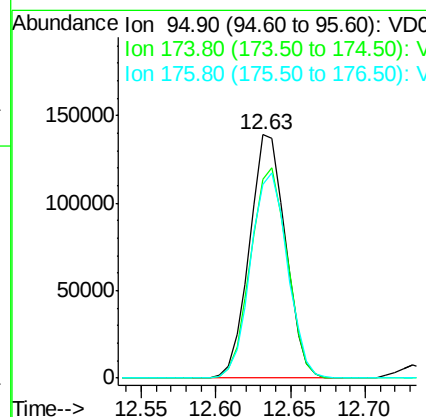
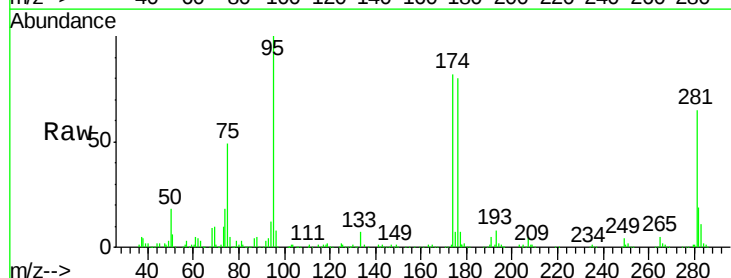
Manual Integrations
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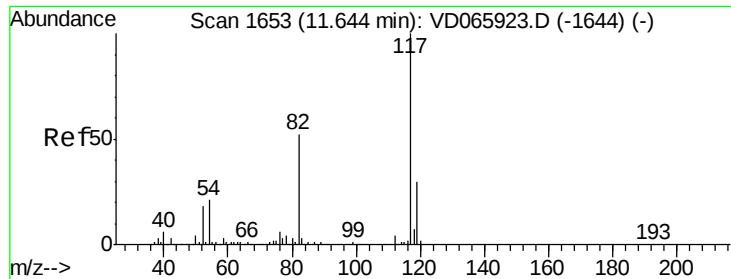
MMDadoda
 7/8/2020 12:05:20 PM



#62
 4-Bromofluorobenzene
 Concen: 47.827 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Tgt Ion: 95 Resp: 232616
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 169.4
 176 86.0 0.0 164.0





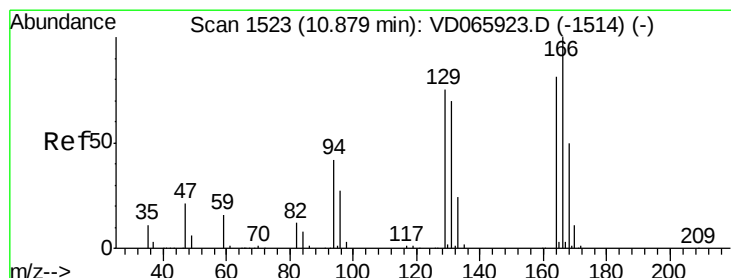
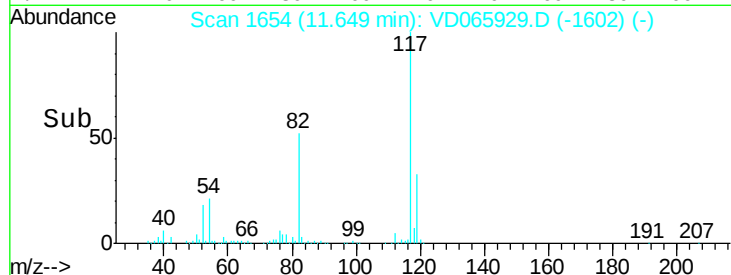
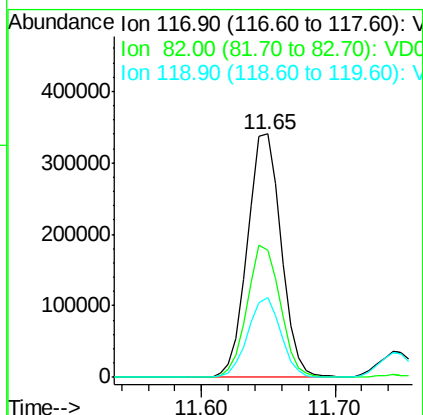
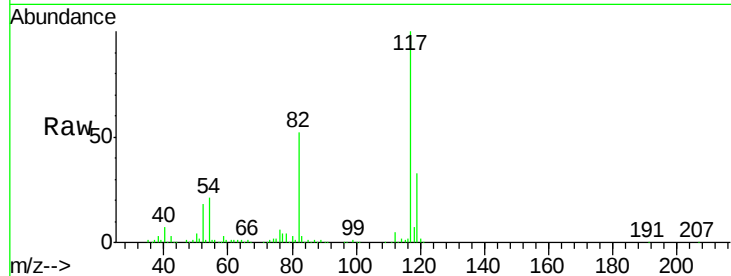
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	593399		
82	52.5		41.8	62.8
119	32.9		24.3	36.5

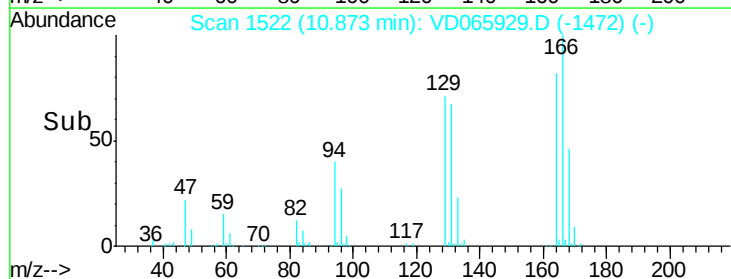
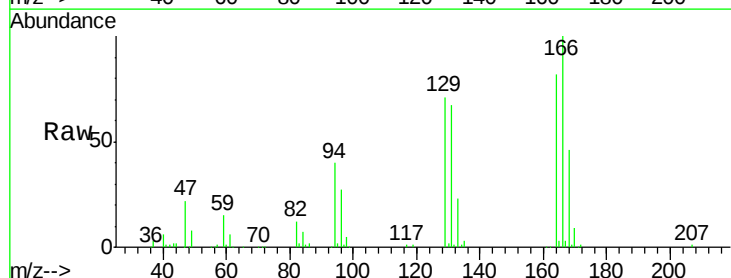
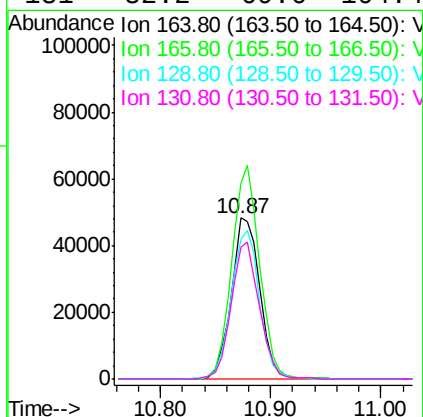
Manual Integrations
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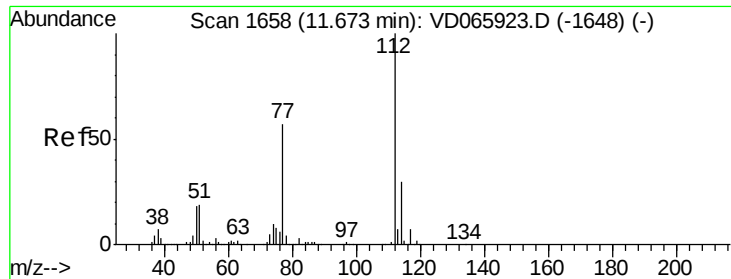
MMDadoda
7/8/2020 12:05:20 PM



#64
Tetrachloroethene
Concen: 20.280 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87517		
166	122.0		99.0	148.4
129	86.9		73.9	110.9
131	82.2		69.6	104.4





#65

Chlorobenzene

Concen: 20.702 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion:112 Resp: 247559

Ion Ratio Lower Upper

112 100

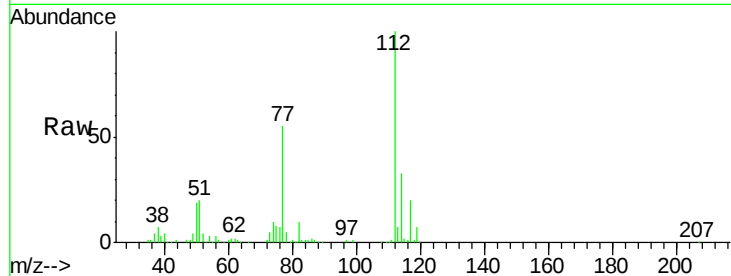
114 32.8 24.2 36.4

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

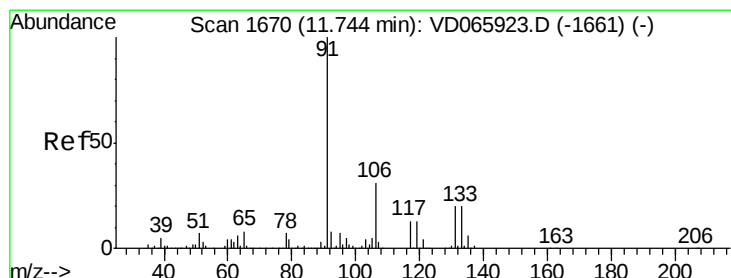
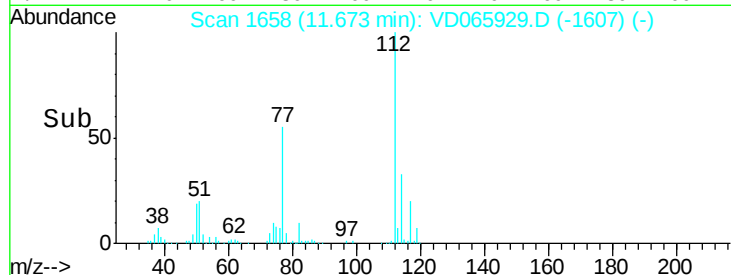
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.261 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

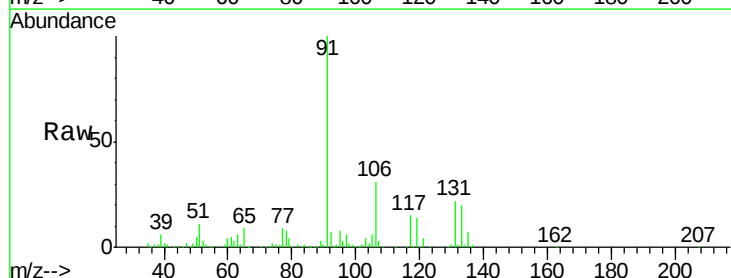
Tgt Ion:131 Resp: 95094

Ion Ratio Lower Upper

131 100

133 91.8 47.9 143.6

119 63.3 31.9 95.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

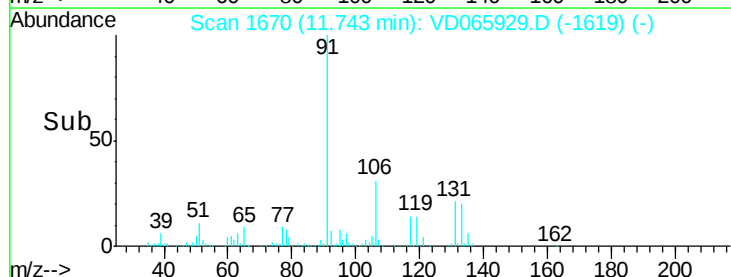
150000

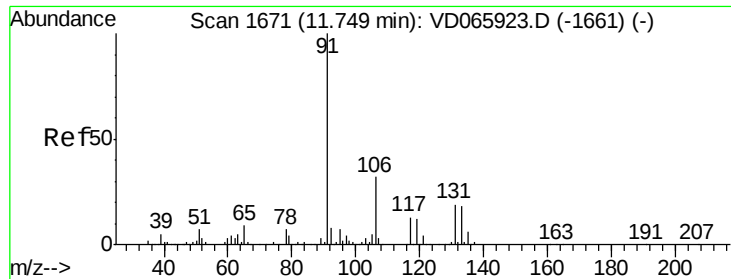
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 20.116 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 91 Resp: 427344

Ion Ratio Lower Upper

91 100

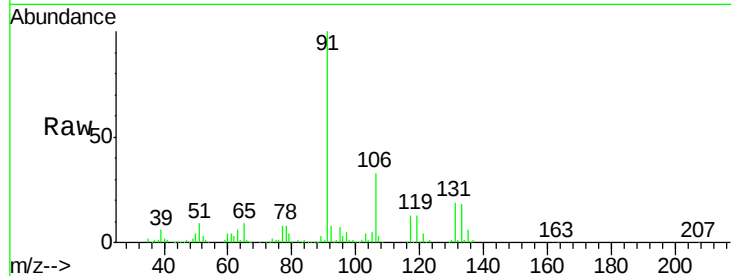
106 32.9 25.2 37.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

400000

300000

200000

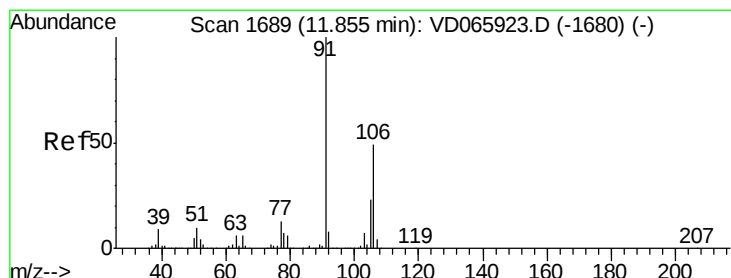
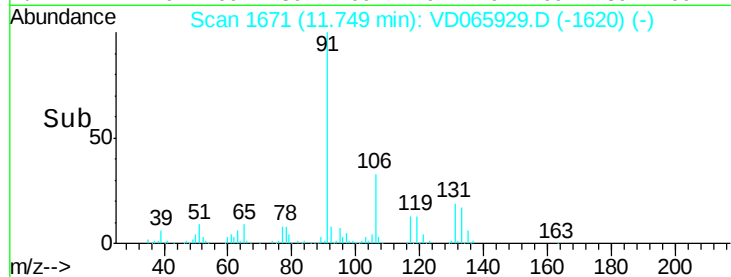
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 41.256 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065929.D

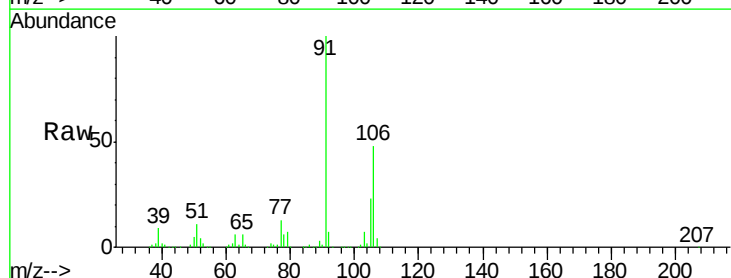
Acq: 07 Jul 2020 19:05

Tgt Ion: 106 Resp: 332983

Ion Ratio Lower Upper

106 100

91 198.9 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

200000

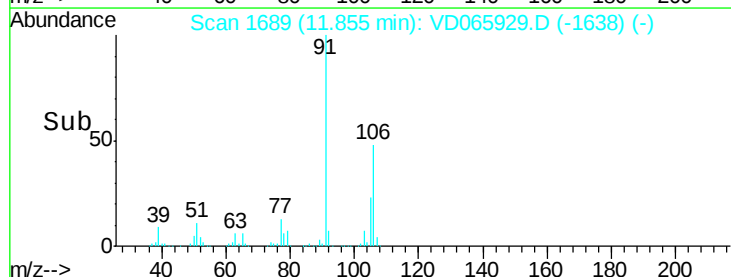
100000

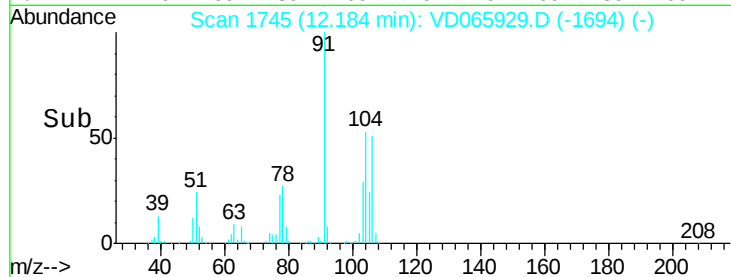
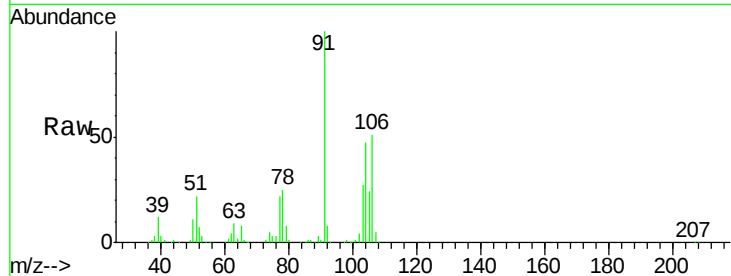
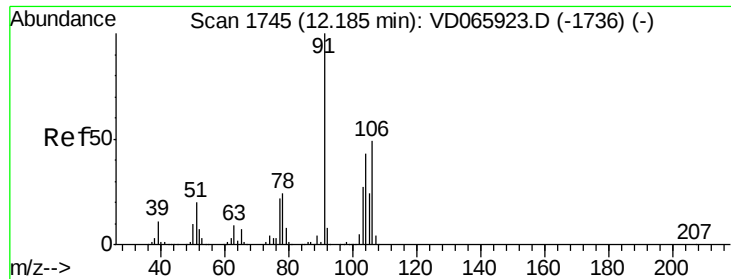
0

11.86

11.90

Time-->





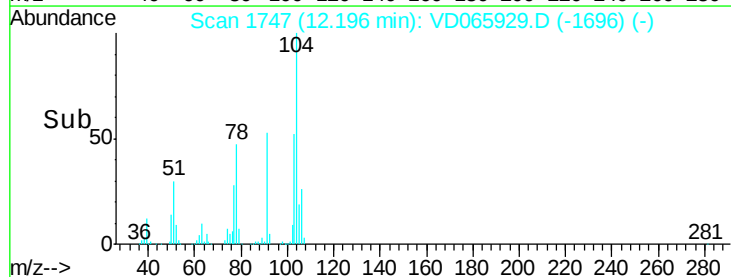
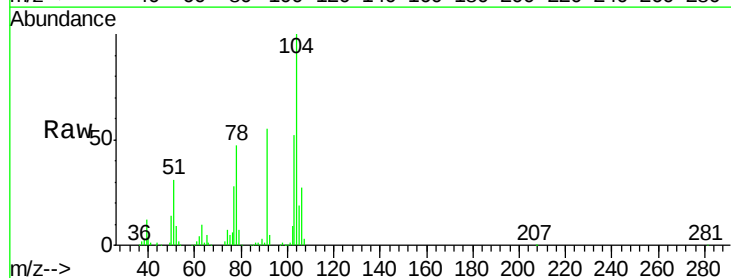
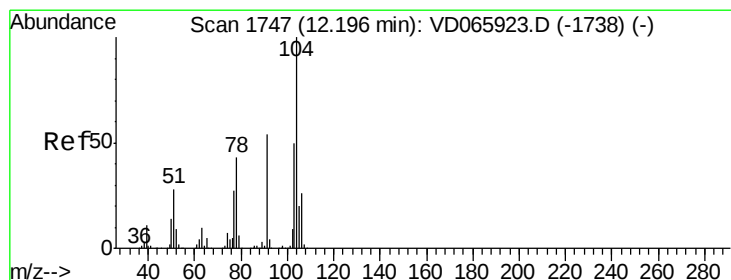
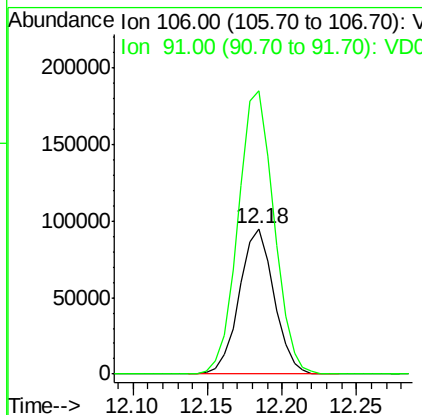
#69
o-Xylene
Concen: 20.753 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tot Ion	Ratio	Resp	Lower	Upper
106	100	152583		
91	202.5	104.1	312.2	

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

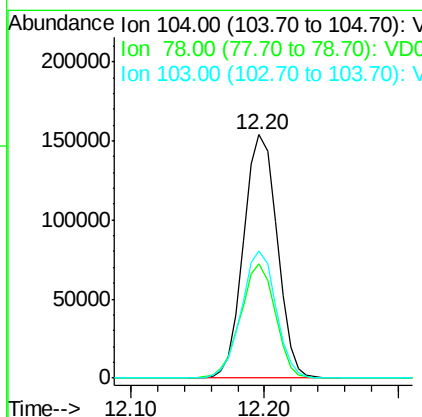
Manual Integrations
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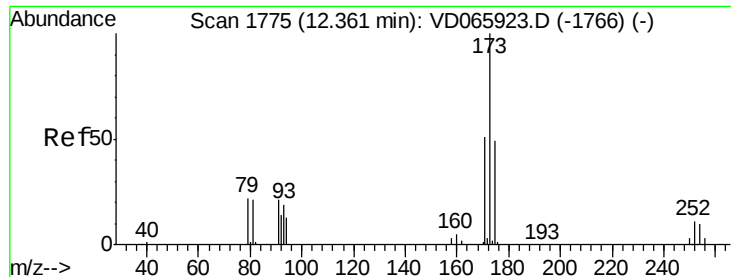
MMDadoda
7/8/2020 12:05:20 PM



#70
Styrene
Concen: 21.123 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	268090		
78	48.4	38.8	58.2	
103	53.6	43.6	65.4	





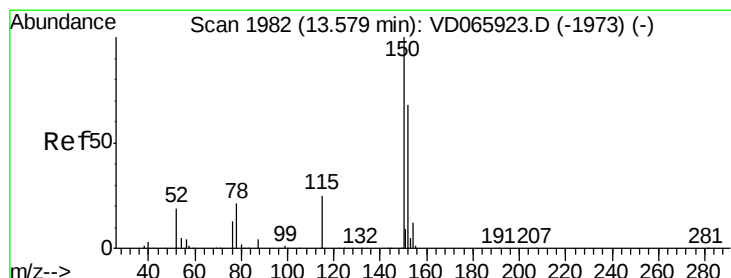
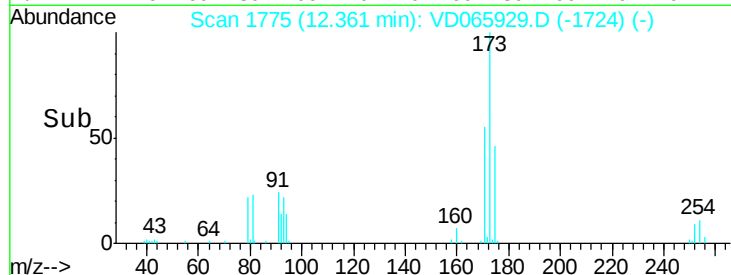
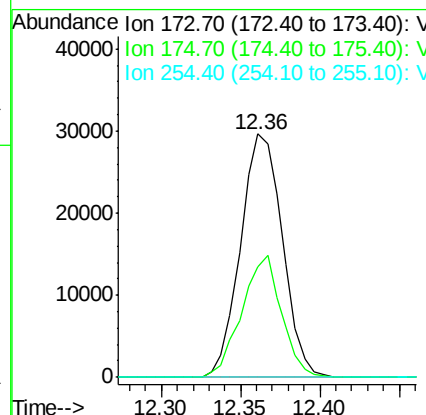
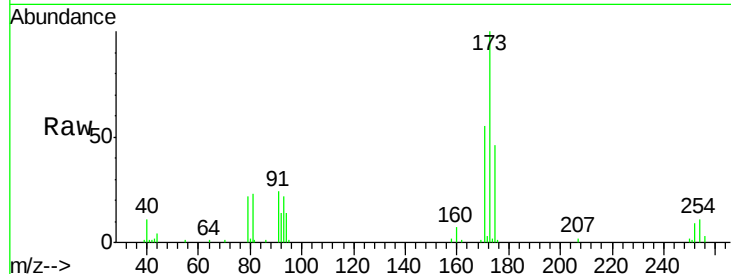
#71
Bromoform
Concen: 21.481 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.2	72.6
254	0.0	0.0	0.0

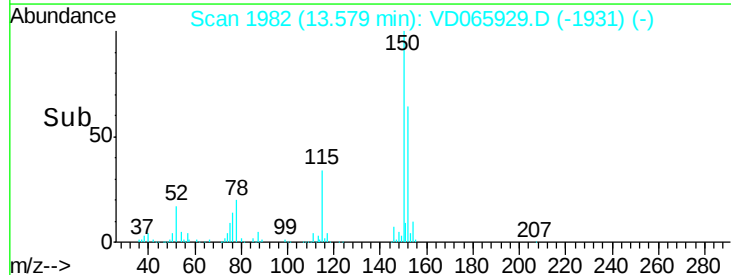
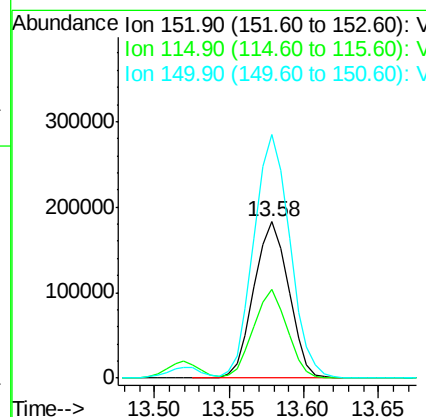
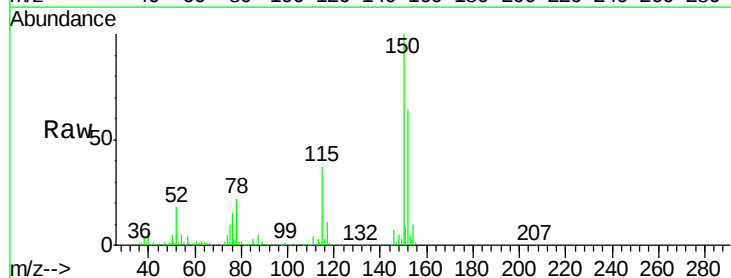
Manual Integrations
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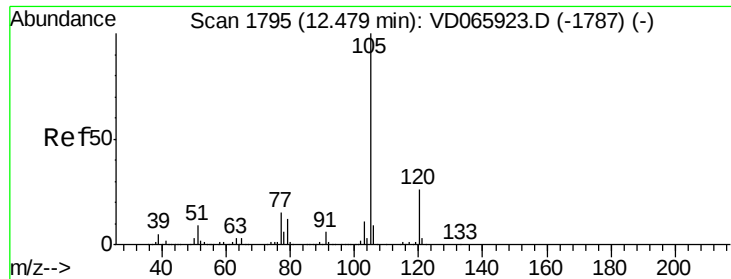
MMDadoda
7/8/2020 12:05:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.3
150	161.4	0.0	347.2





#73

Isopropylbenzene

Concen: 20.099 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion:105 Resp: 414984

Ion Ratio Lower Upper

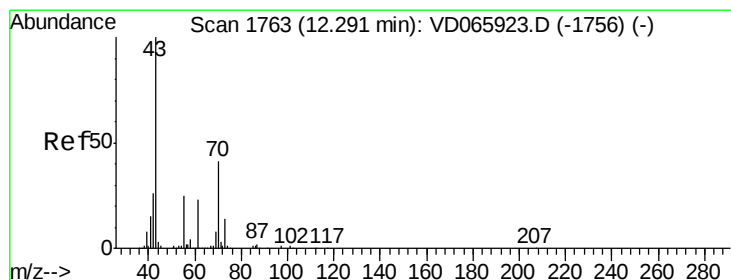
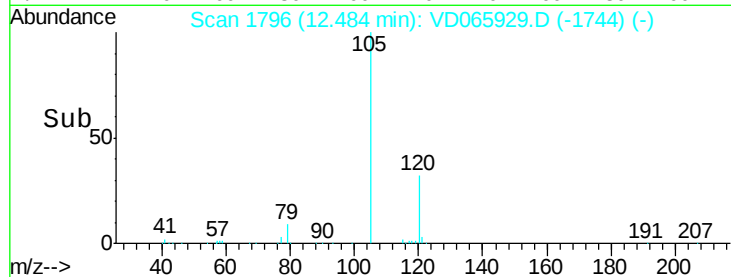
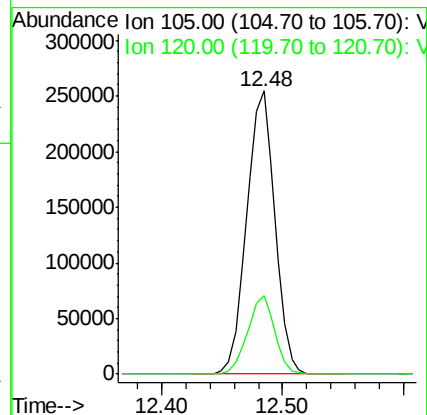
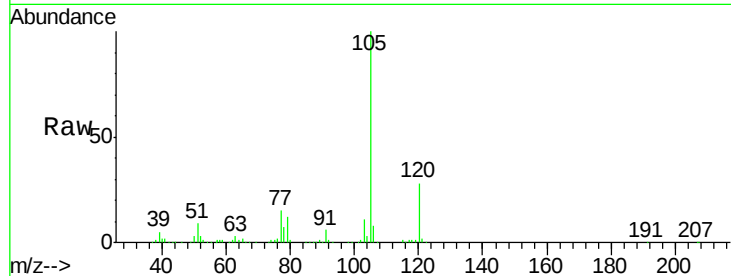
105 100

120 26.8 13.3 39.8

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7/8/2020 12:05:20 PM



#74

N-ethyl acetate

Concen: 20.171 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Tgt Ion: 43 Resp: 93456

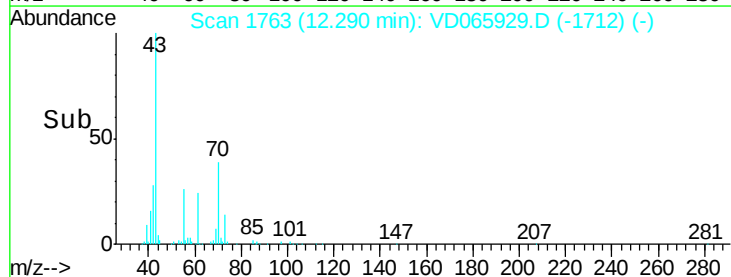
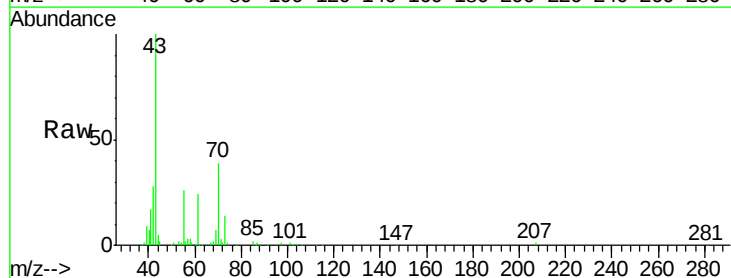
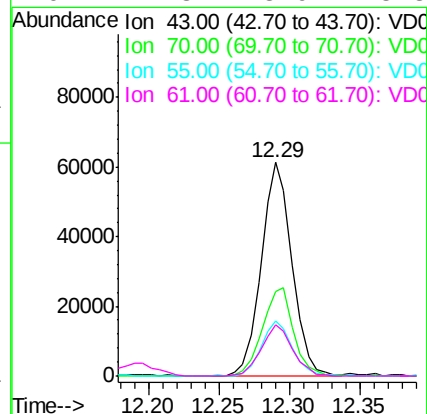
Ion Ratio Lower Upper

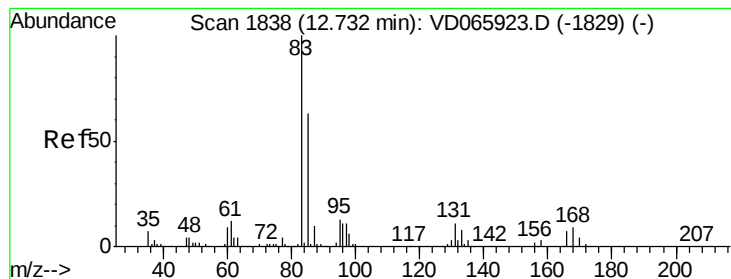
43 100

70 41.8 33.6 50.4

55 26.2 20.1 30.1

61 24.3 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.358 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

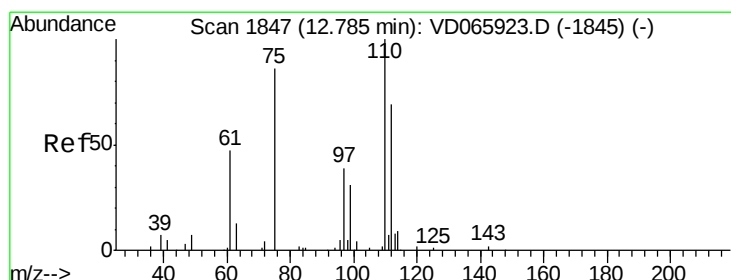
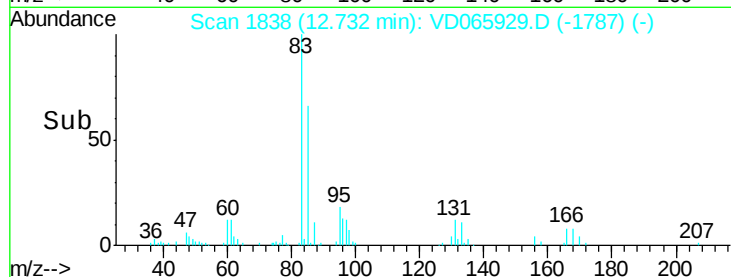
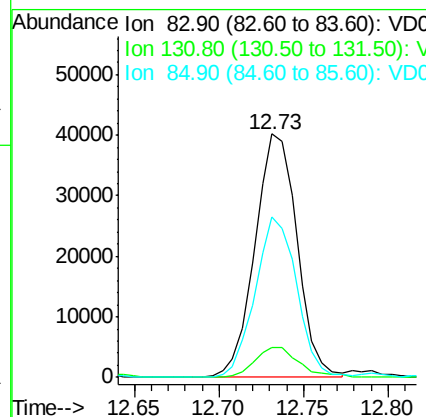
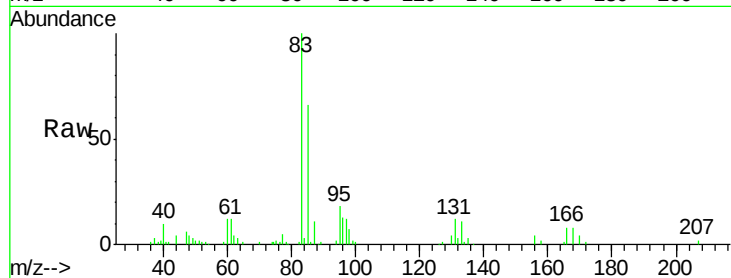
ClientSampleId :

VD0707SBS01

Tot Ion:	83	Resp:	69783
Ion	Ratio	Lower	Upper
83	100		
131	12.8	5.6	16.8
85	65.2	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.291 ug/l m

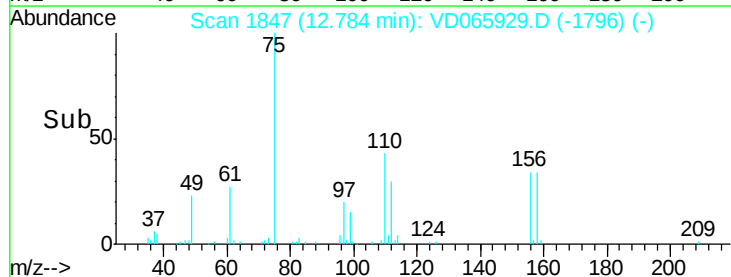
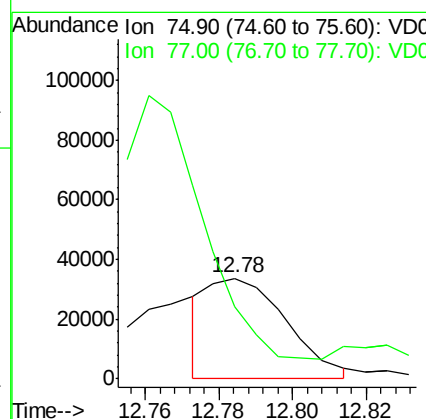
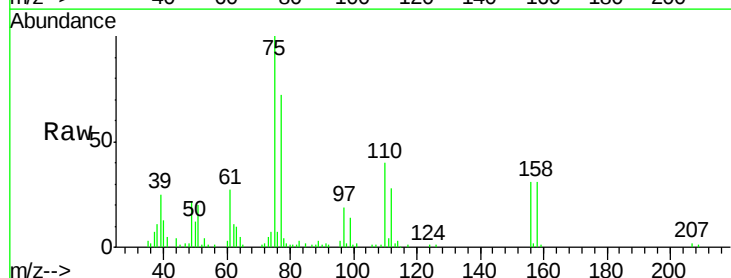
RT: 12.78 min Scan# 1847

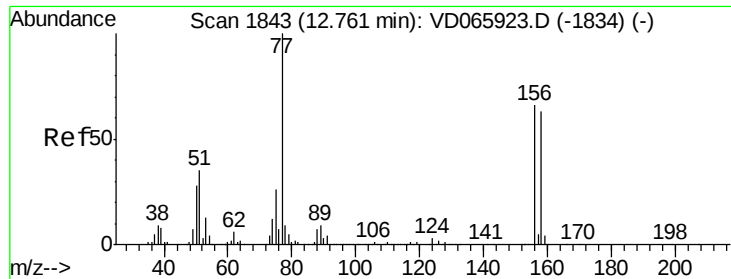
Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Tgt Ion:	75	Resp:	50356
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.499 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

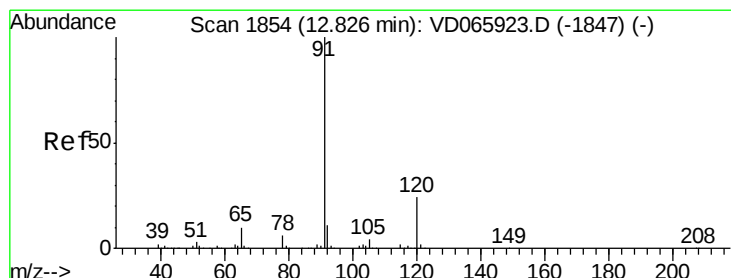
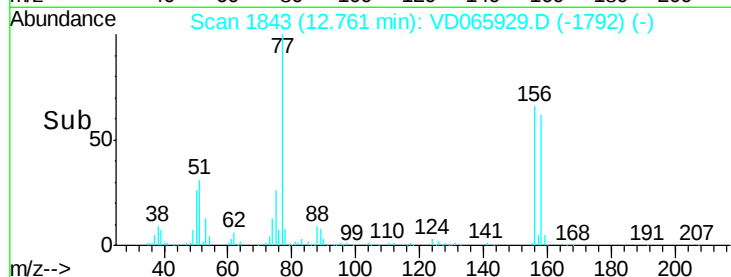
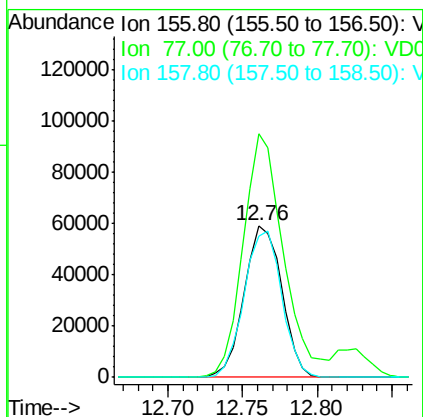
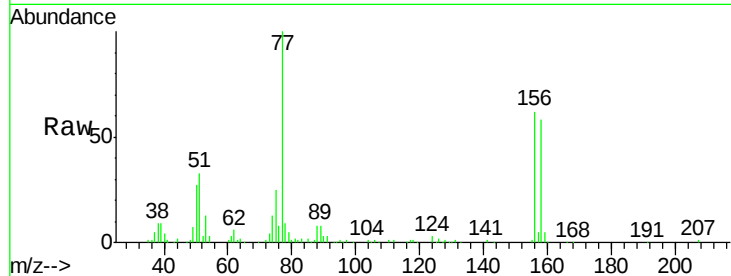
ClientSampleId :

VD0707SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		102656		
77	173.4	85.0	255.0		
158	97.1	49.0	147.0		

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#78

n-propylbenzene

Concen: 19.951 ug/l

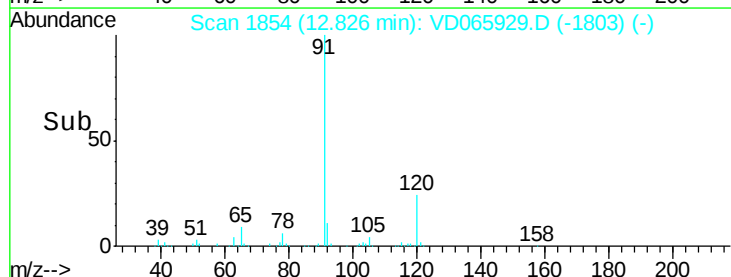
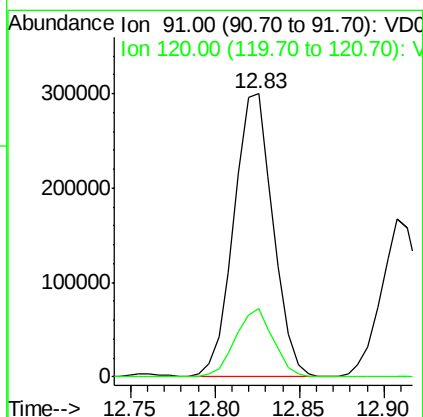
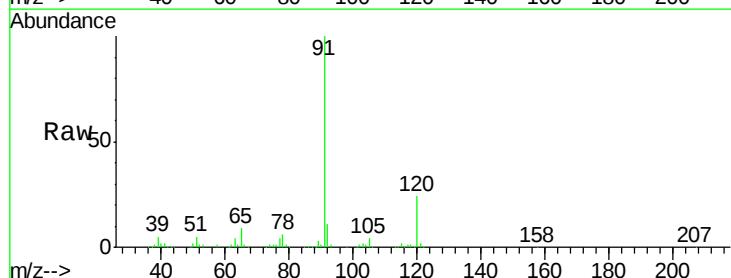
RT: 12.83 min Scan# 1854

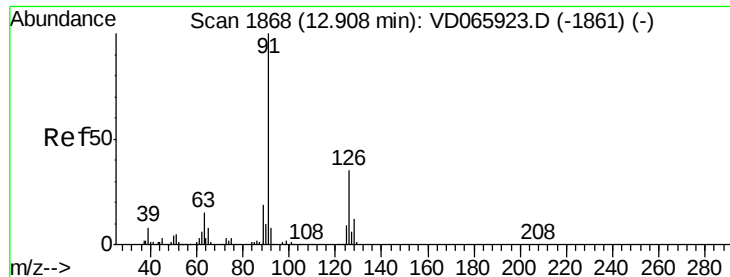
Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		482943		
120	23.4	11.8	35.4		





#79

2-Chlorotoluene

Concen: 19.939 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 91 Resp: 273807

Ion Ratio Lower Upper

91 100

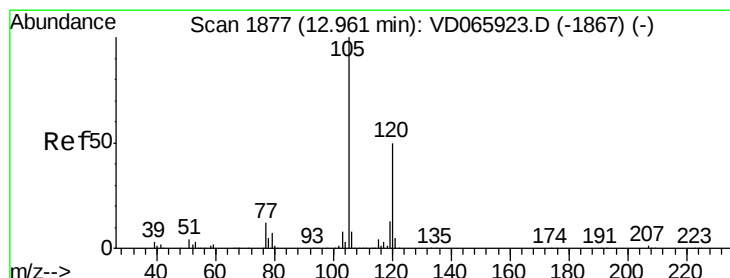
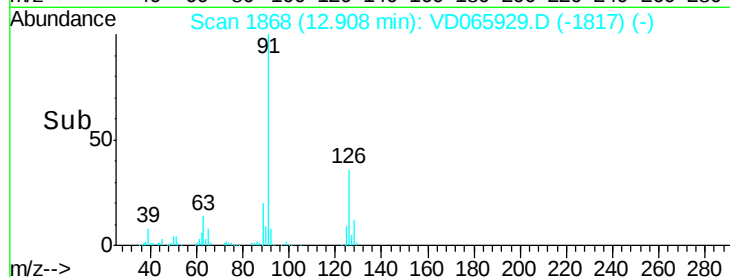
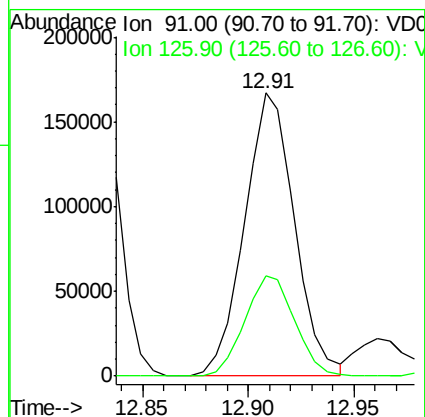
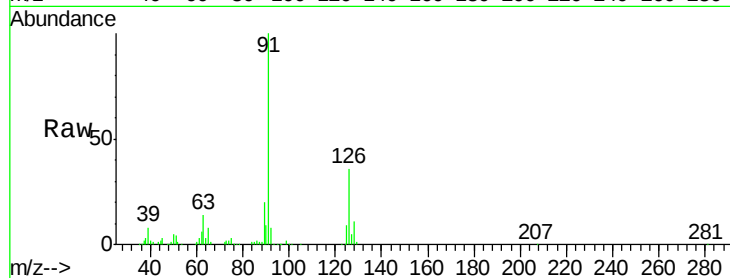
126 35.4 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.467 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD065929.D

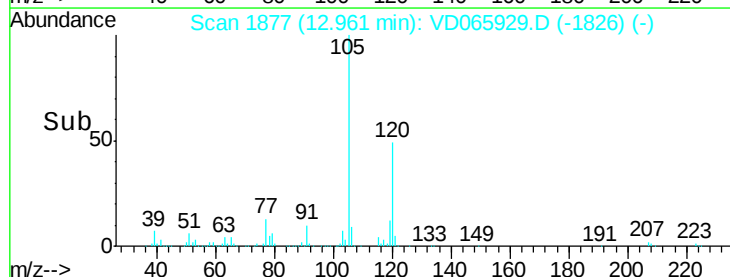
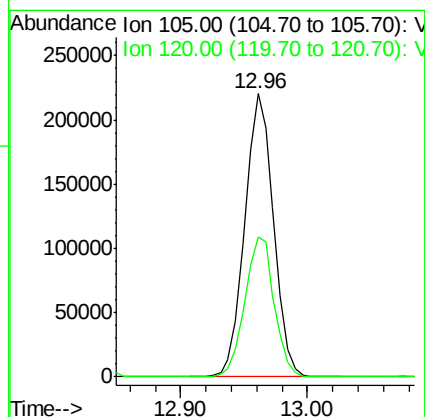
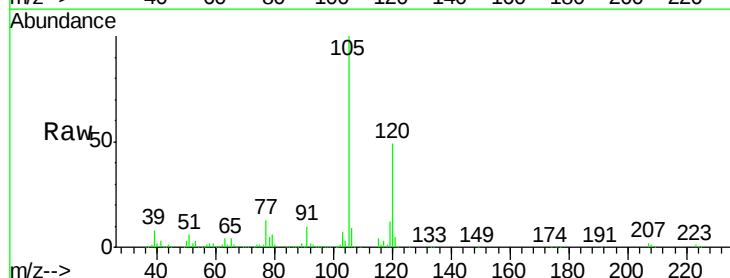
Acq: 07 Jul 2020 19:05

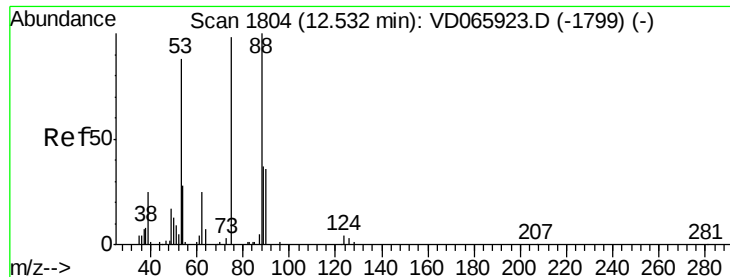
Tgt Ion: 105 Resp: 345648

Ion Ratio Lower Upper

105 100

120 50.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.540 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion: 75 Resp: 24878

Ion Ratio Lower Upper

75 100

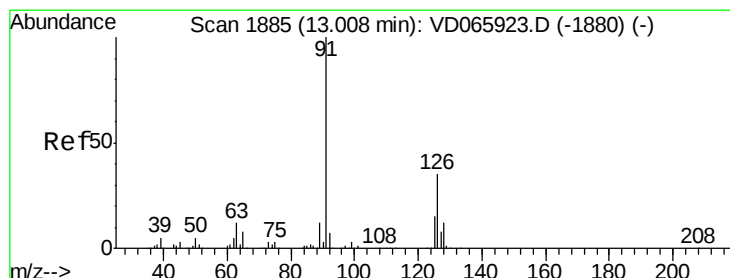
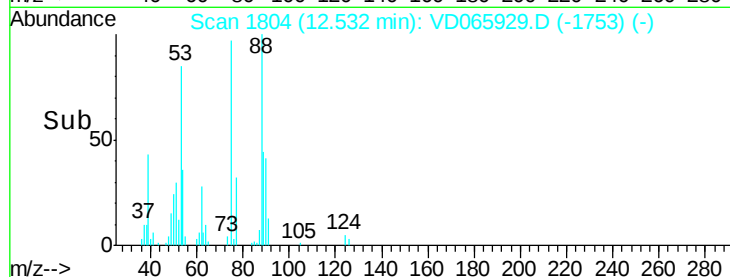
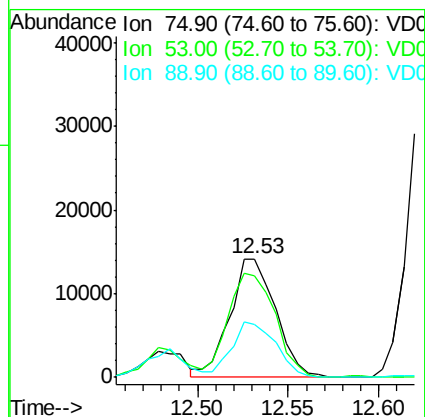
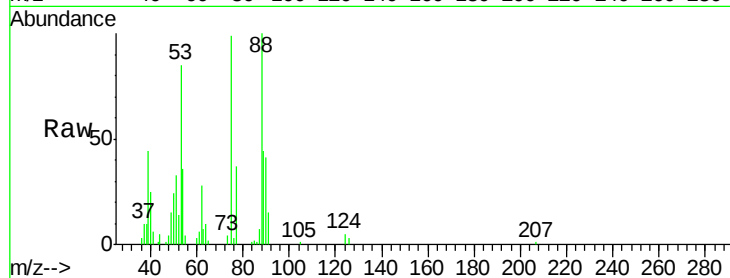
53 90.1 75.8 113.8

89 44.1 37.5 56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.477 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065929.D

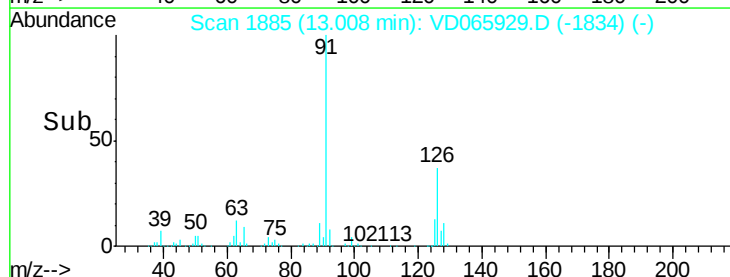
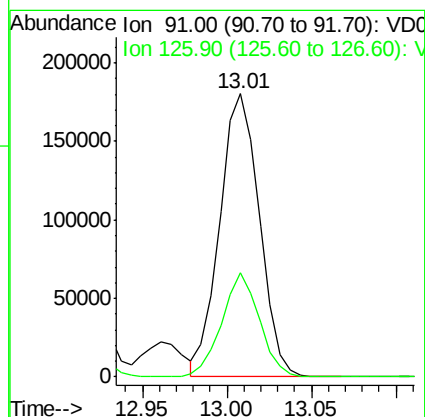
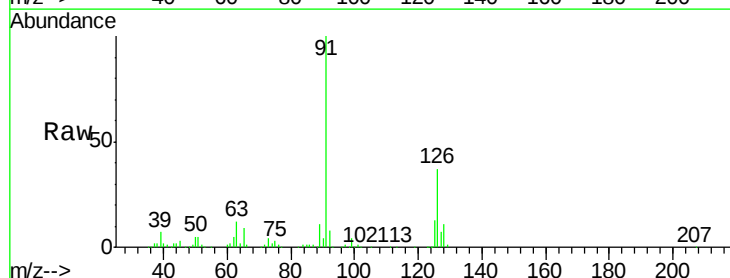
Acq: 07 Jul 2020 19:05

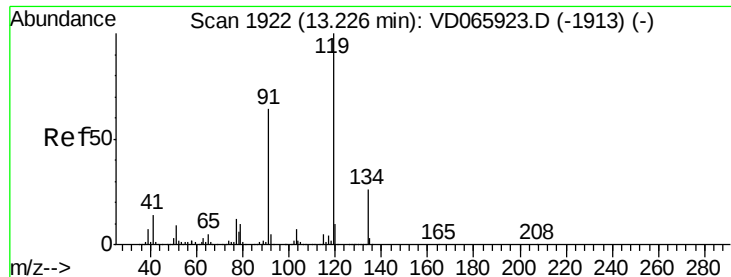
Tgt Ion: 91 Resp: 295033

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7





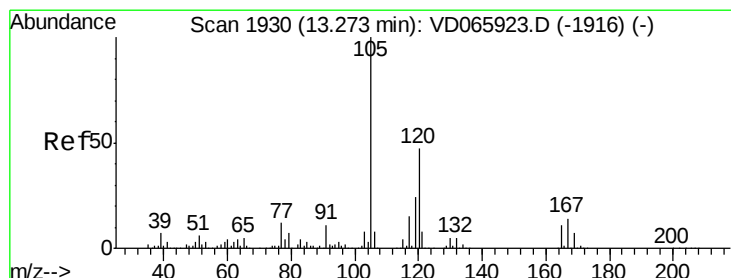
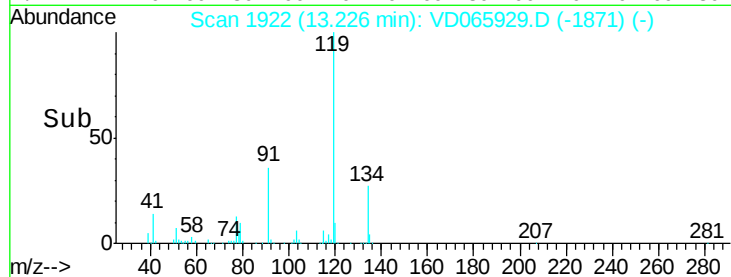
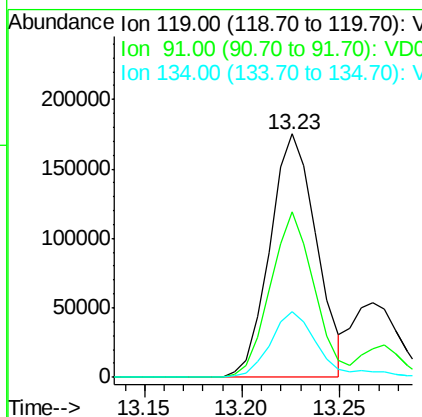
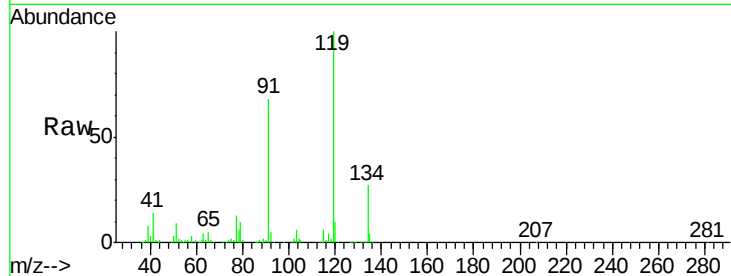
#83
tert-Butylbenzene
Concen: 20.093 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.4	97.2
134	28.5	14.1	42.4

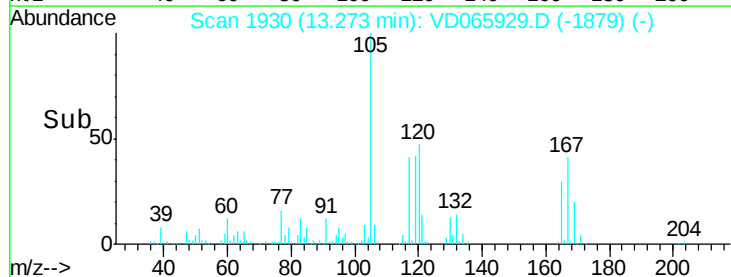
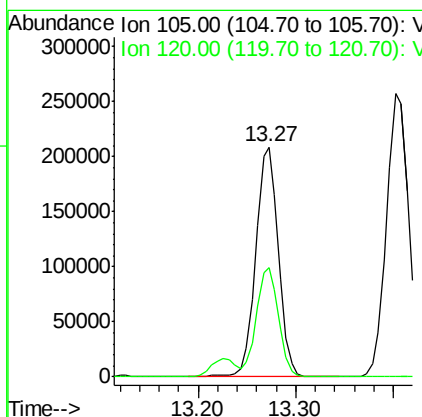
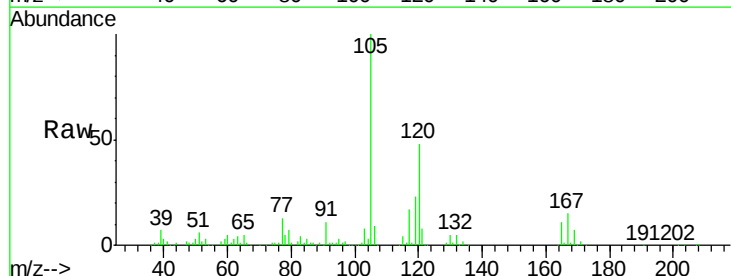
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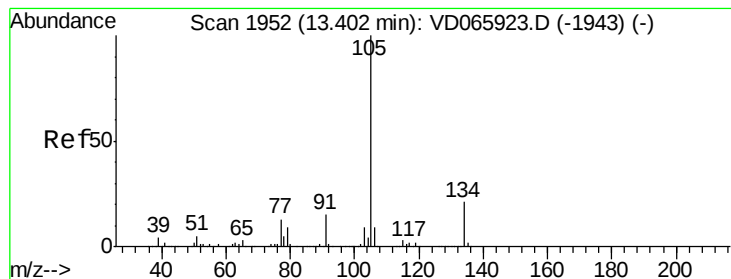
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.284 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.5





#85

sec-Butylbenzene

Concen: 20.132 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

Tot Ion:105 Resp: 410491

Ion Ratio Lower Upper

105 100

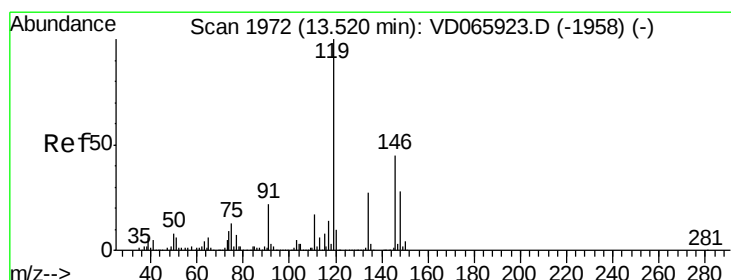
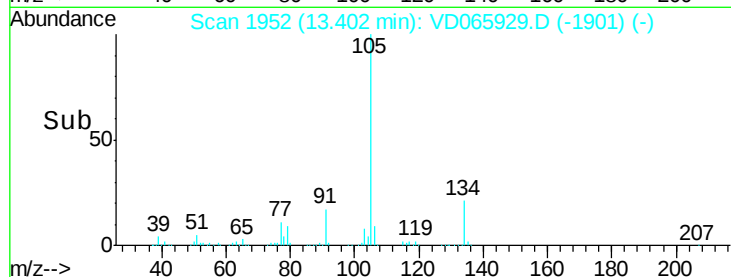
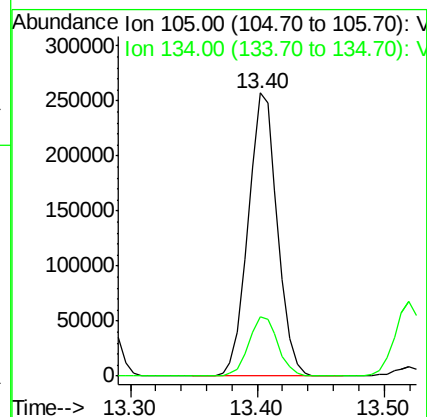
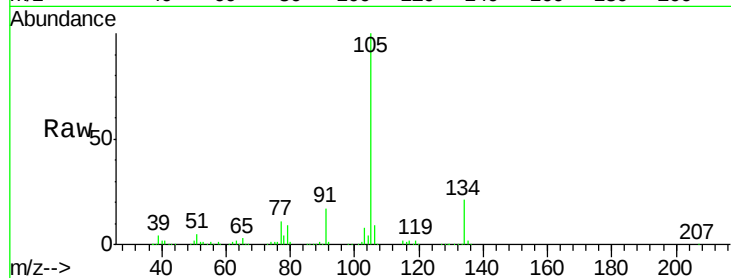
134 21.0 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.226 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

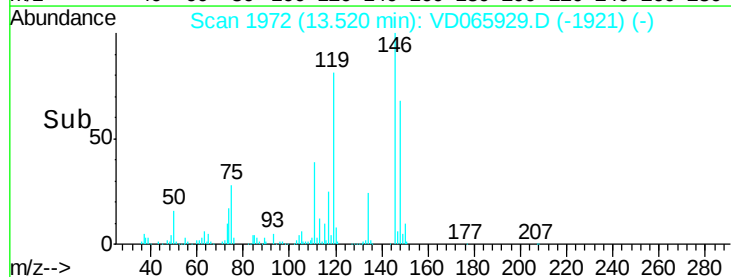
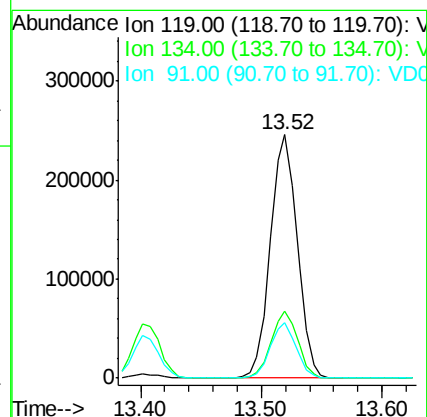
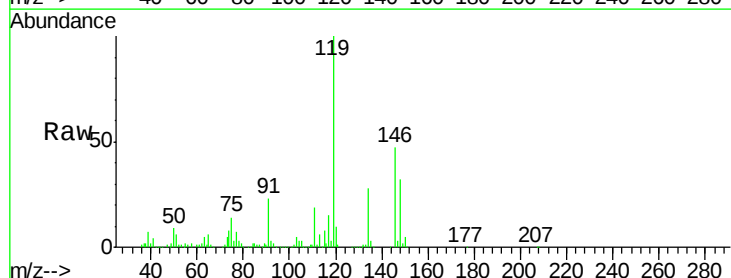
Tgt Ion:119 Resp: 377220

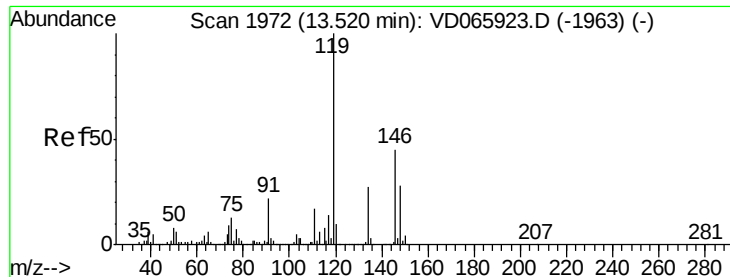
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.7 11.3 33.8





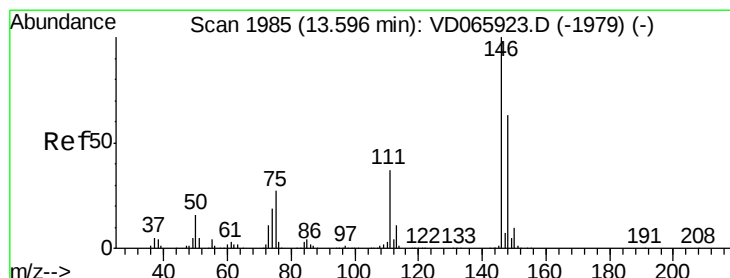
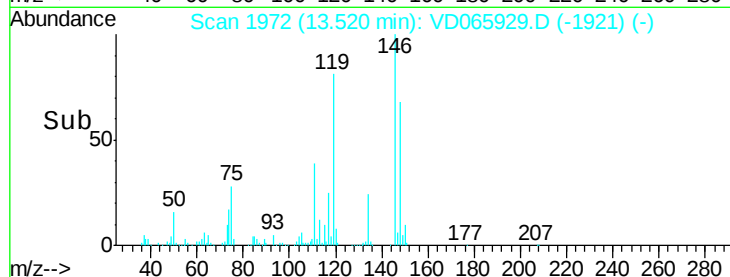
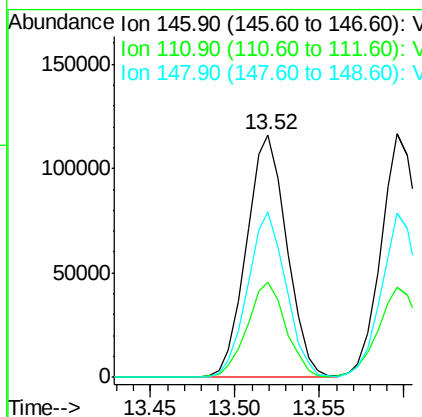
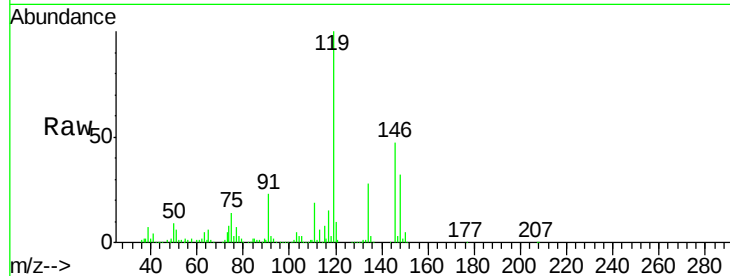
#87
 1,3-Dichlorobenzene
 Concen: 20.534 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	192415		
111	38.1	19.3	57.8	
148	65.0	32.0	96.0	

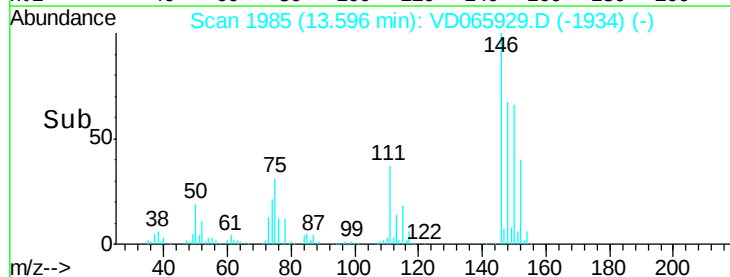
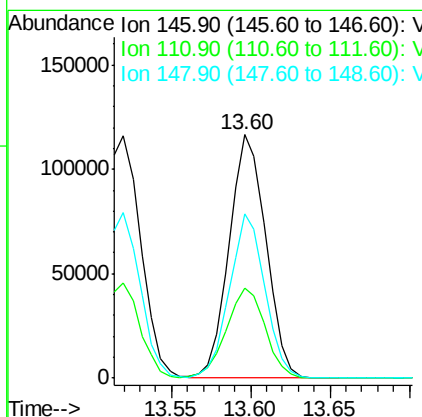
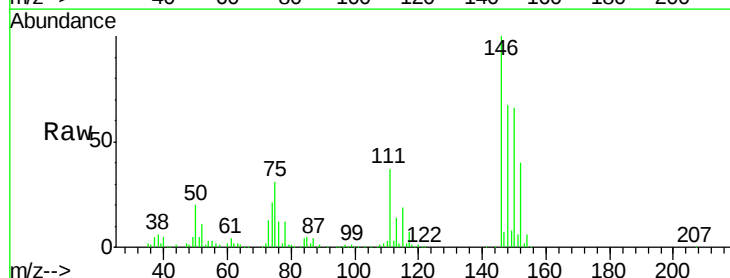
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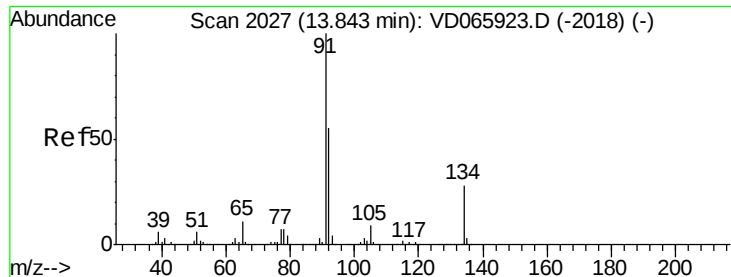
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#88
 1,4-Dichlorobenzene
 Concen: 20.002 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	186987		
111	39.4	18.9	56.7	
148	65.3	32.1	96.3	





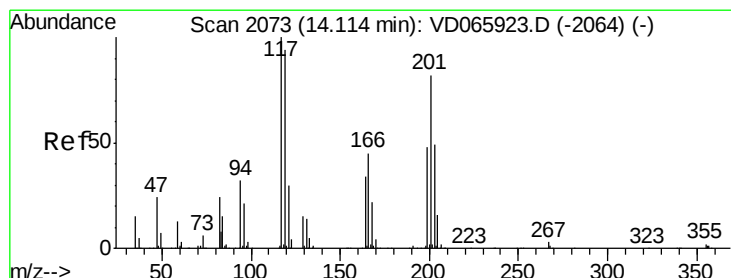
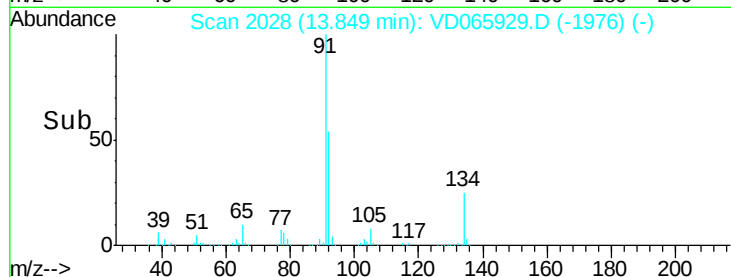
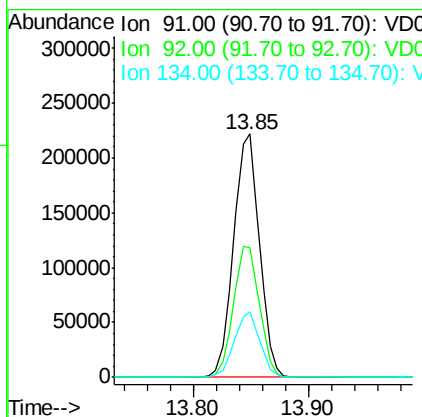
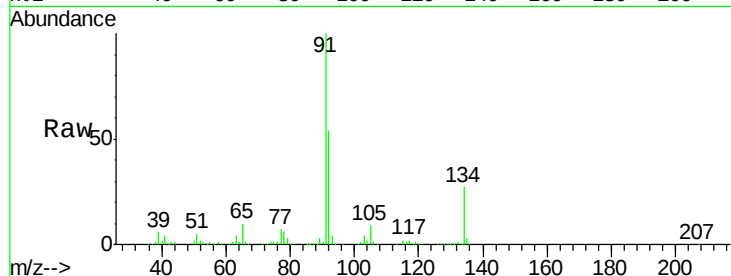
#89
n-Butylbenzene
Concen: 19.640 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.2	81.6	
134	26.5	13.8	41.3	

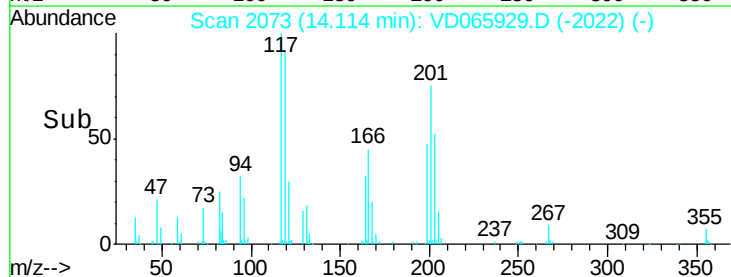
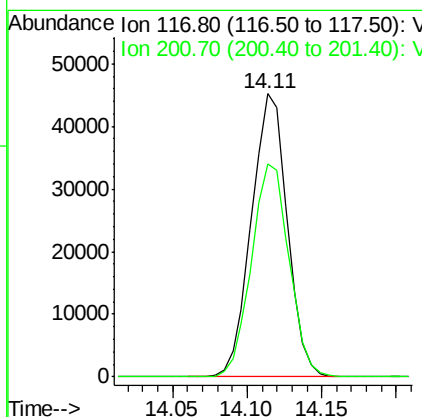
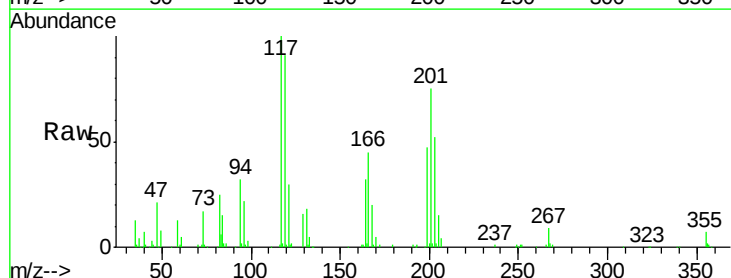
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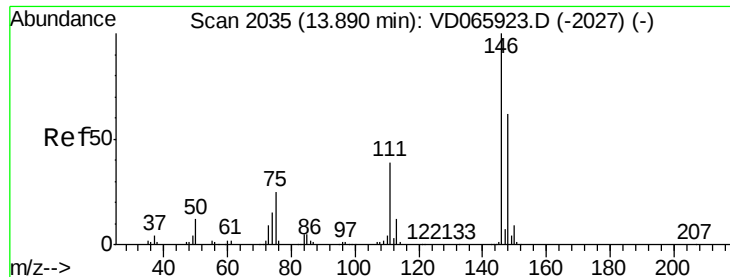
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#90
Hexachloroethane
Concen: 19.926 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD065929.D
Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	79.0	40.0	120.0	





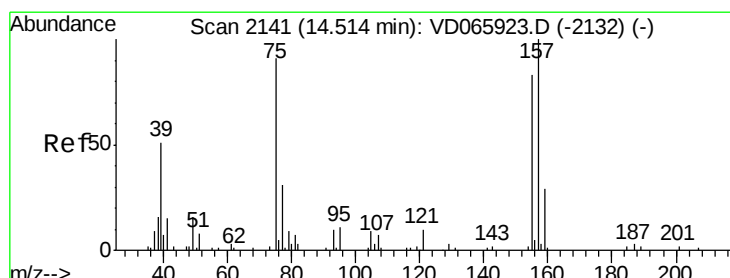
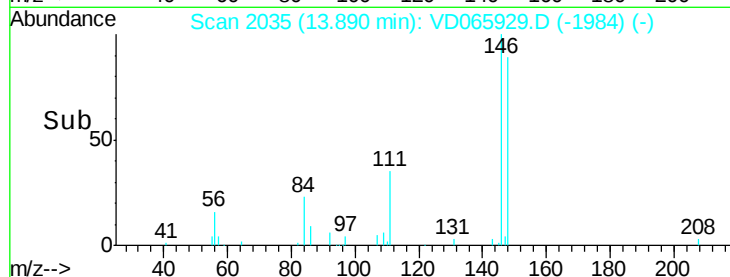
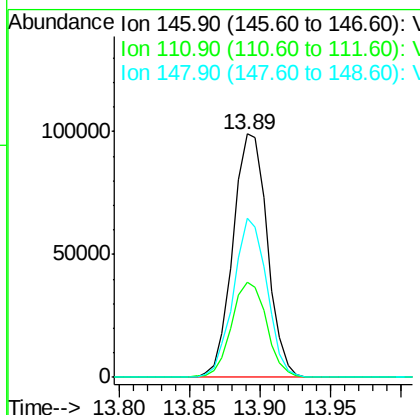
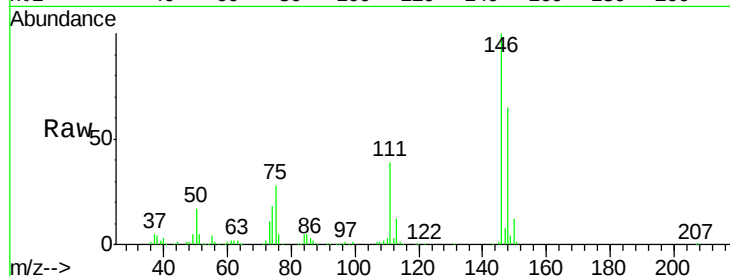
#91
 1,2-Dichlorobenzene
 Concen: 20.583 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	63.9	32.5	97.5

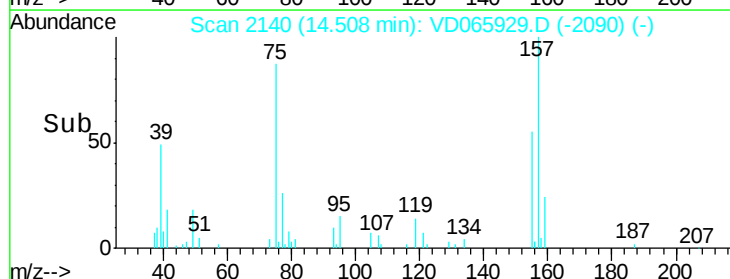
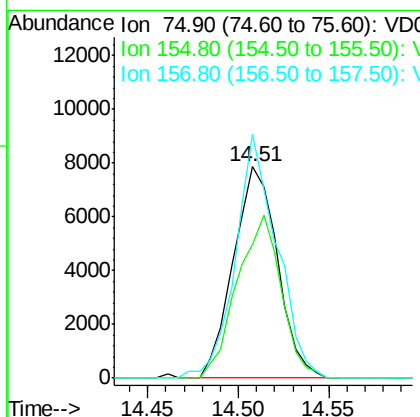
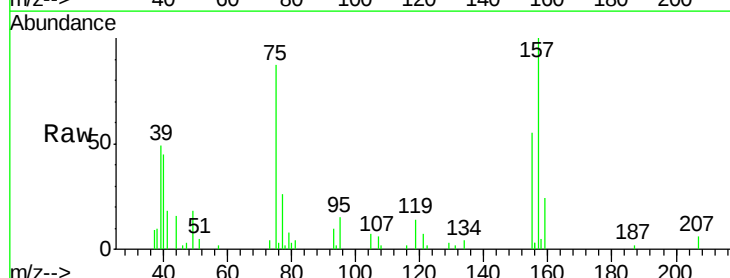
Manual Integrations
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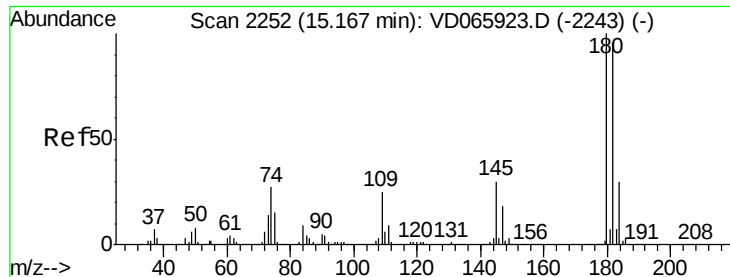
MMDadoda
 7/8/2020 12:05:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.164 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	45.3	135.8
157	108.0	56.9	170.6





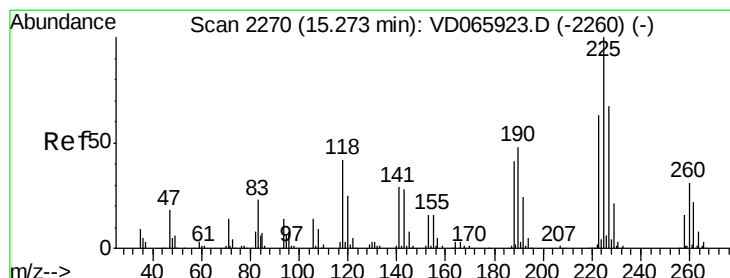
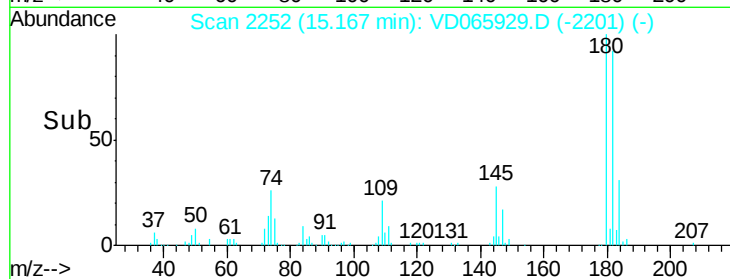
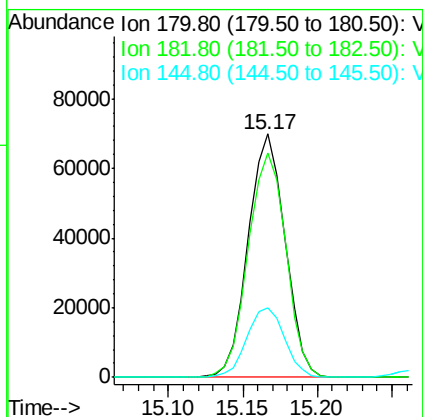
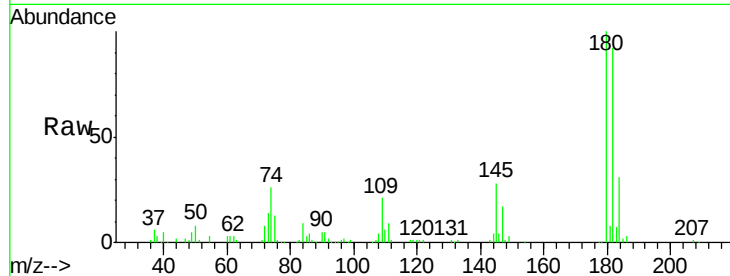
#93
 1,2,4-Trichlorobenzene
 Concen: 20.437 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119293		
182	94.5	48.5	145.6	
145	29.2	15.0	45.1	

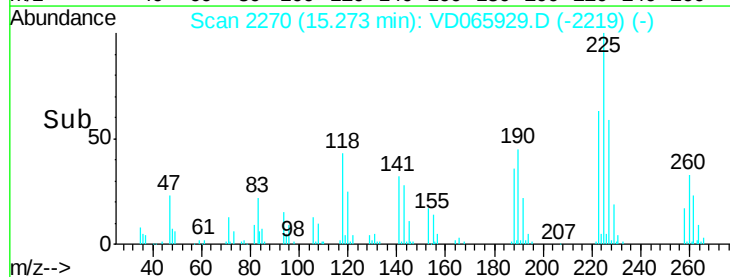
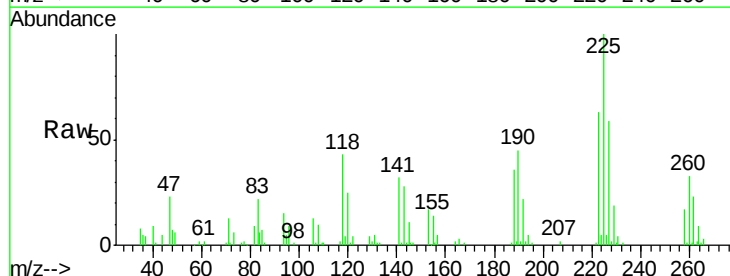
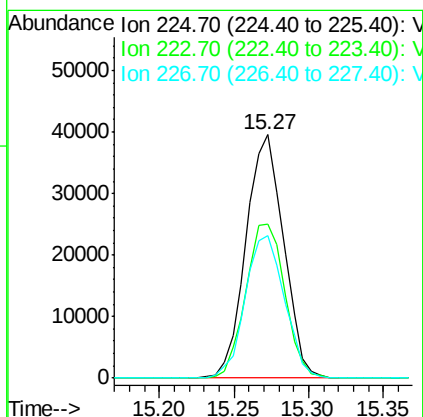
Manual Integrations
 APPROVED

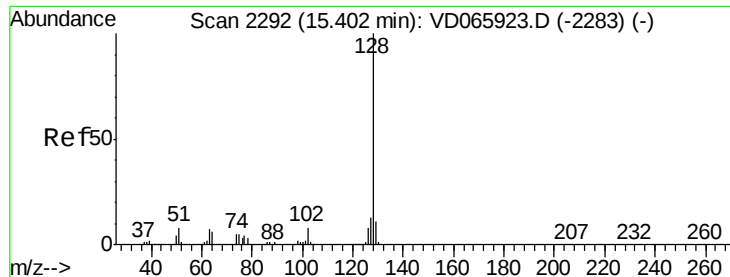
MMDadoda
 7/8/2020 12:05:20 PM



#94
 Hexachlorobutadiene
 Concen: 19.519 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065929.D
 Acq: 07 Jul 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68918		
223	65.6	31.1	93.2	
227	61.1	31.6	95.0	





#95

Naphthalene

Concen: 21.232 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Instrument :

MSVOA_D

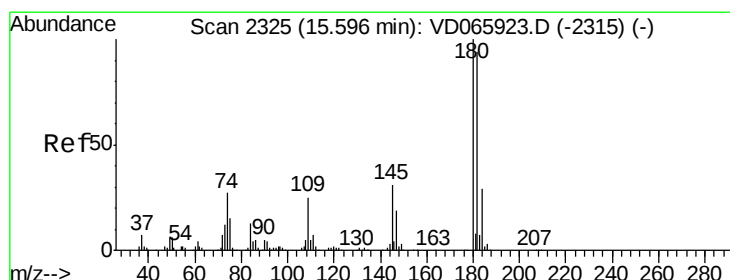
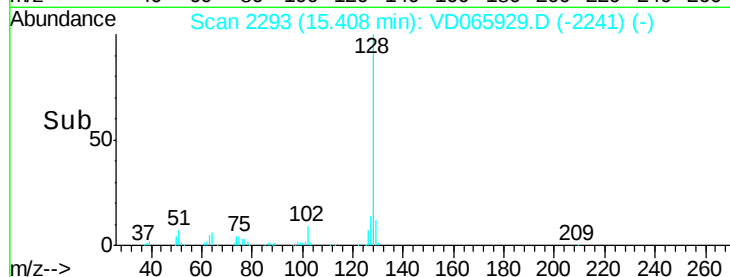
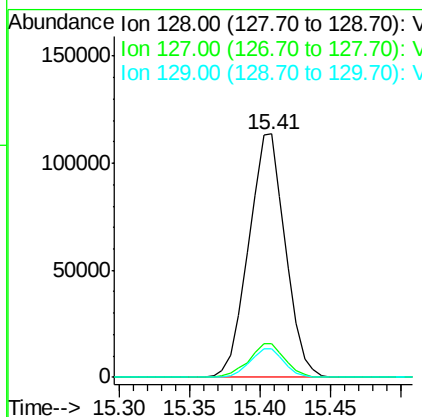
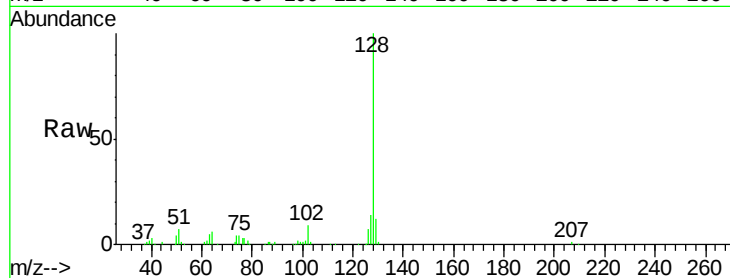
ClientSampleId :

VD0707SBS01

Tot Ion:	128	Resp:	207857
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.8	16.2
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/8/2020 12:05:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.738 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VD065929.D

Acq: 07 Jul 2020 19:05

Tgt Ion:	180	Resp:	104412
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.6	142.8
145	31.6	16.1	48.2

