

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066084.D
 Acq On : 29 Jul 2020 11:03
 Operator : VA/SY
 Sample : VD0729SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:19:39 PM

Quant Time: Jul 30 01:45:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	241657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	336620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	315789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	104332	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	7.91	113	108245	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.34	98	413149	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	
62) 4-Bromofluorobenzene	12.64	95	143888	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	43156	23.532	ug/l	97
3) Chloromethane	2.21	50	31830	21.268	ug/l	96
4) Vinyl Chloride	2.35	62	32016	22.464	ug/l	97
5) Bromomethane	2.76	94	22896	19.814	ug/l	88
6) Chloroethane	2.93	64	19092	22.441	ug/l #	88
7) Trichlorofluoromethane	3.27	101	81621	23.545	ug/l	99
8) Diethyl Ether	3.71	74	18491	19.297	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	47004	22.456	ug/l	98
10) Methyl Iodide	4.30	142	44169	26.020	ug/l	94
11) Tert butyl alcohol	5.20	59	12195m	80.147	ug/l	
12) 1,1-Dichloroethene	4.06	96	43666	21.854	ug/l	91
13) Acrolein	3.92	56	12284	74.148	ug/l	96
14) Allyl chloride	4.71	41	58953	18.875	ug/l	90
15) Acrylonitrile	5.42	53	37765	92.252	ug/l	97
16) Acetone	4.16	43	36641	92.059	ug/l	90
17) Carbon Disulfide	4.41	76	124980	19.284	ug/l	98
18) Methyl Acetate	4.71	43	17244	18.624	ug/l #	74
19) Methyl tert-butyl Ether	5.47	73	86230	21.005	ug/l	98
20) Methylene Chloride	4.96	84	47498	19.791	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	47529	21.047	ug/l	91
22) Diisopropyl ether	6.36	45	114796	19.346	ug/l	93
23) Vinyl Acetate	6.30	43	320525	95.781	ug/l	98
24) 1,1-Dichloroethane	6.26	63	74818	20.810	ug/l	98
25) 2-Butanone	7.21	43	46441	87.934	ug/l	100
26) 2,2-Dichloropropane	7.20	77	72821	22.524	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	51561	21.565	ug/l	96
28) Bromochloromethane	7.54	49	29598	19.396	ug/l	87
29) Tetrahydrofuran	7.56	42	28829	88.470	ug/l	91
30) Chloroform	7.70	83	82445	21.922	ug/l	91
31) Cyclohexane	7.98	56	70000	19.790	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	82884	23.826	ug/l	98
36) 1,1-Dichloropropene	8.11	75	64371	22.406	ug/l	97
37) Ethyl Acetate	7.29	43	21393	19.498	ug/l	98
38) Carbon Tetrachloride	8.09	117	80262	25.748	ug/l	93

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Quant Time: Jul 30 01:45:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	75316	21.648	ug/l	96
40) Benzene	8.35	78	174534	21.715	ug/l	97
41) Methacrylonitrile	7.51	41	11935	18.989	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	52122	23.666	ug/l	97
43) Isopropyl Acetate	8.46	43	40767	19.024	ug/l	97
44) Trichloroethene	9.11	130	52646	21.645	ug/l	100
45) 1,2-Dichloropropane	9.39	63	41249	21.190	ug/l	90
46) Dibromomethane	9.47	93	23339	22.272	ug/l	95
47) Bromodichloromethane	9.66	83	63519	22.925	ug/l	100
48) Methyl methacrylate	9.46	41	20297	18.777	ug/l	89
49) 1,4-Dioxane	9.47	88	5165	425.433	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	104901	97.156	ug/l	97
52) Toluene	10.40	92	117365	22.392	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	58840	22.794	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	69226	22.123	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	32936	22.161	ug/l	92
56) Ethyl methacrylate	10.66	69	36207	20.954	ug/l #	90
57) 1,3-Dichloropropane	10.95	76	53876	21.898	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	89650	108.609	ug/l	95
59) 2-Hexanone	10.98	43	72009	96.239	ug/l	93
60) Dibromochloromethane	11.14	129	47272	23.591	ug/l	97
61) 1,2-Dibromoethane	11.25	107	32477	22.664	ug/l	99
64) Tetrachloroethene	10.88	164	52081	24.299	ug/l	96
65) Chlorobenzene	11.67	112	133003	23.003	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	50601	23.701	ug/l	99
67) Ethyl Benzene	11.75	91	227199	22.834	ug/l	100
68) m/p-Xylenes	11.86	106	181321	47.411	ug/l	99
69) o-Xylene	12.18	106	77811	22.369	ug/l	92
70) Styrene	12.20	104	146696	24.545	ug/l	98
71) Bromoform	12.37	173	29330	23.454	ug/l #	99
73) Isopropylbenzene	12.48	105	234290	22.774	ug/l	98
74) N-amyl acetate	12.29	43	40427	18.953	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	33324	19.600	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	25790m	20.146	ug/l	
77) Bromobenzene	12.77	156	56853	21.624	ug/l	96
78) n-propylbenzene	12.83	91	271530	22.745	ug/l	99
79) 2-Chlorotoluene	12.91	91	147478	21.624	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	200012	23.664	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	10439	18.712	ug/l	96
82) 4-Chlorotoluene	13.01	91	158110	21.964	ug/l	99
83) tert-Butylbenzene	13.23	119	166412	22.500	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	194324	23.304	ug/l	100
85) sec-Butylbenzene	13.41	105	232566	22.829	ug/l	99
86) p-Isopropyltoluene	13.53	119	221663	23.950	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	110540	22.645	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	111838	22.664	ug/l	99
89) n-Butylbenzene	13.86	91	194592	22.612	ug/l	99
90) Hexachloroethane	14.12	117	42074	21.960	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	96201	22.743	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6017	21.594	ug/l	88

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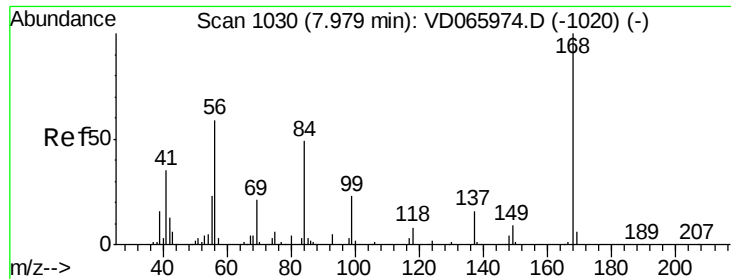
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
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QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	70236	23.133	ug/l	99
94) Hexachlorobutadiene	15.28	225	45595	24.291	ug/l	97
95) Naphthalene	15.41	128	102403	21.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	60297	22.844	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion:168 Resp: 241657

Ion Ratio Lower Upper

168 100

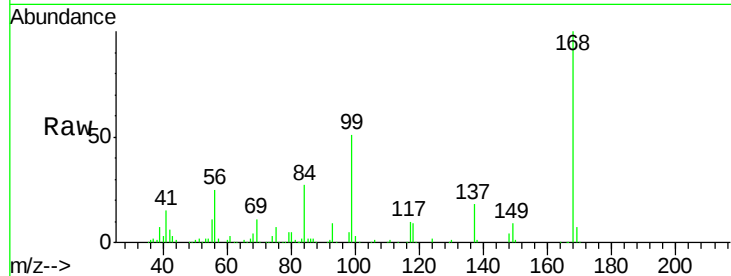
99 50.6 40.8 61.2

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

100000

80000

60000

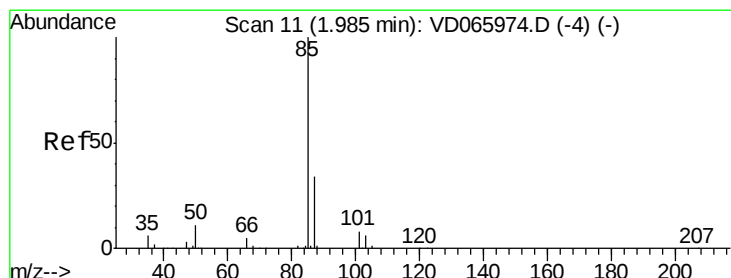
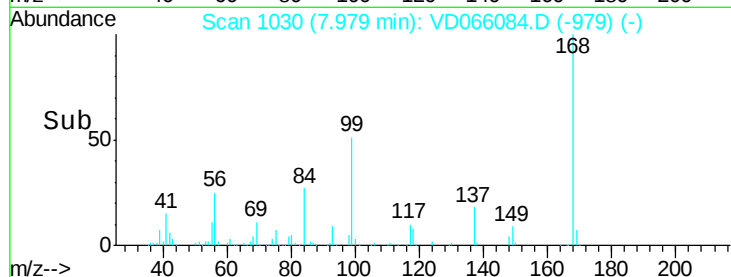
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.532 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066084.D

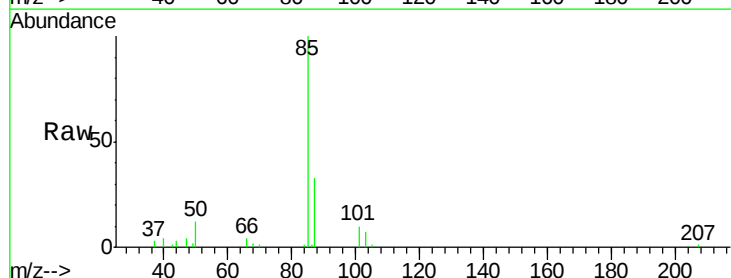
Acq: 29 Jul 2020 11:03

Tgt Ion: 85 Resp: 43156

Ion Ratio Lower Upper

85 100

87 32.9 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

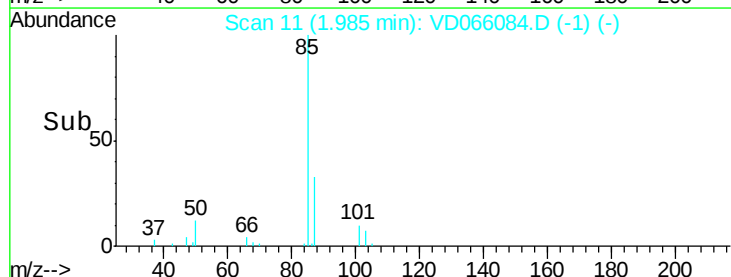
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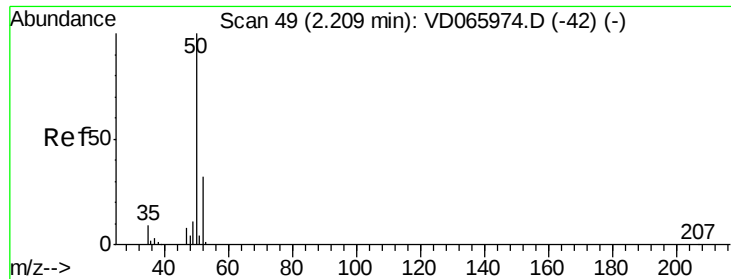
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.268 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 50 Resp: 31830

Ion Ratio Lower Upper

50 100

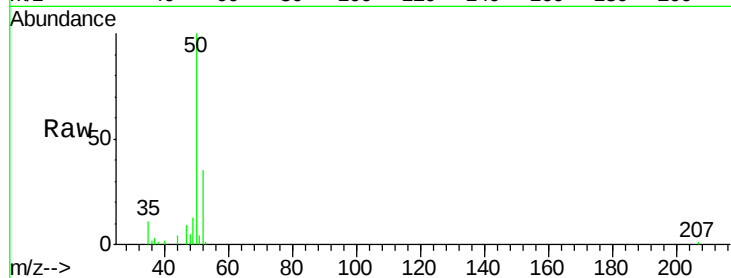
52 34.6 25.8 38.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

25000

20000

15000

10000

5000

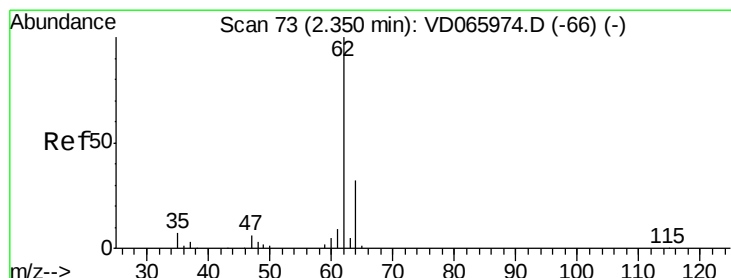
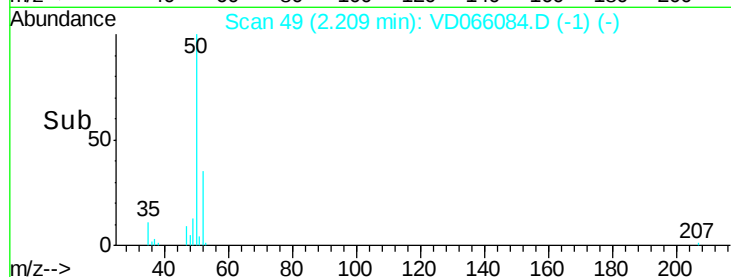
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Time-->

2.15

2.20

2.25



#4

Vinyl Chloride

Concen: 22.464 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066084.D

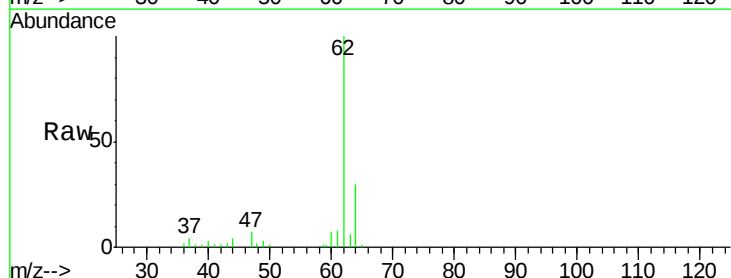
Acq: 29 Jul 2020 11:03

Tgt Ion: 62 Resp: 32016

Ion Ratio Lower Upper

62 100

64 30.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

25000

20000

15000

10000

5000

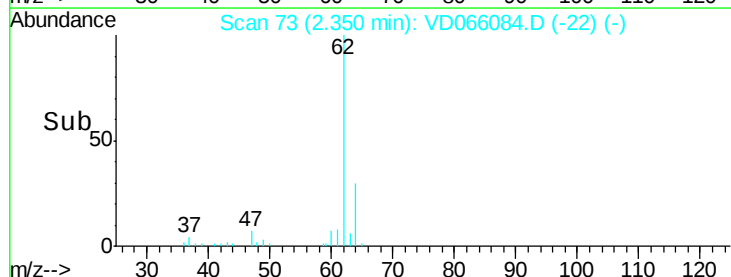
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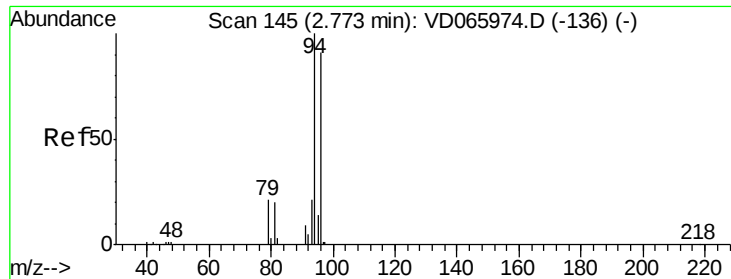
Time-->

2.30

2.35

2.40





#5

Bromomethane

Concen: 19.814 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 94 Resp: 22896

Ion Ratio Lower Upper

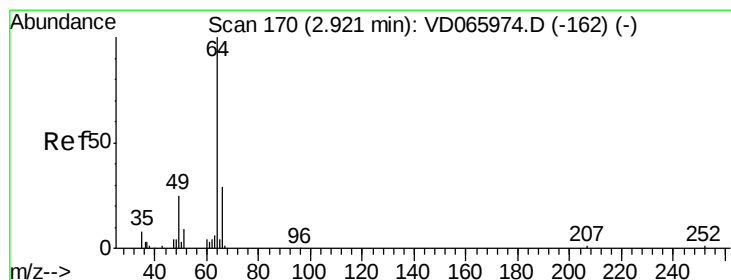
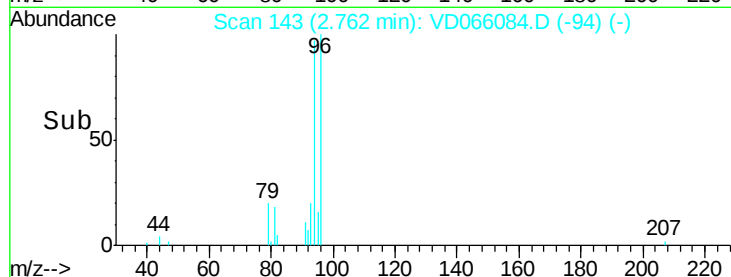
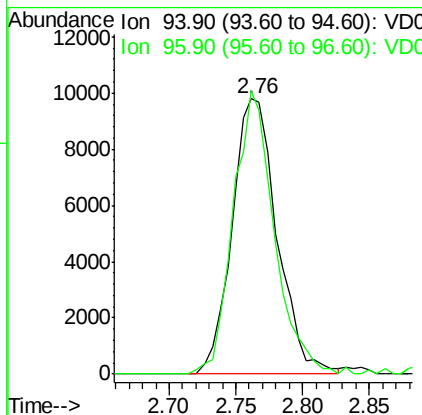
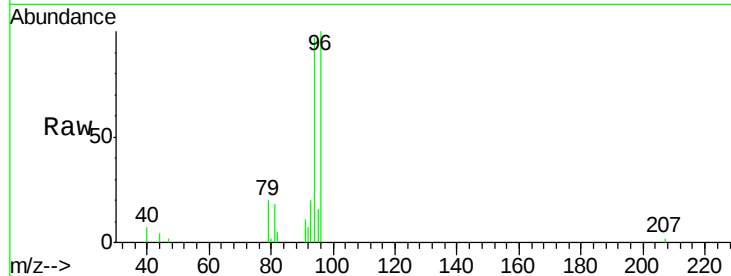
94 100

96 102.7 73.0 109.4

Manual Integrations
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7/30/2020 6:19:39 PM



#6

Chloroethane

Concen: 22.441 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066084.D

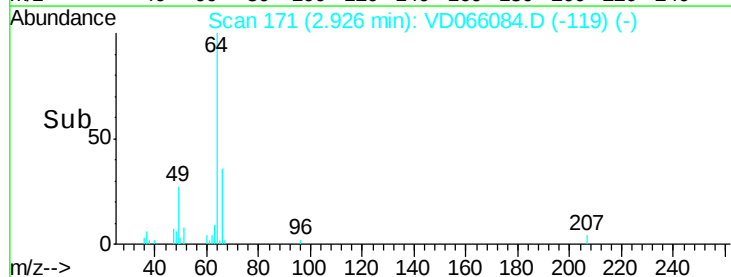
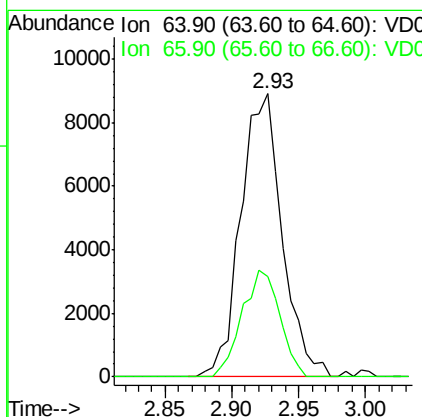
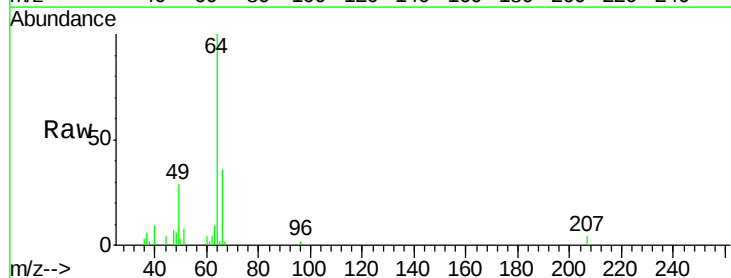
Acq: 29 Jul 2020 11:03

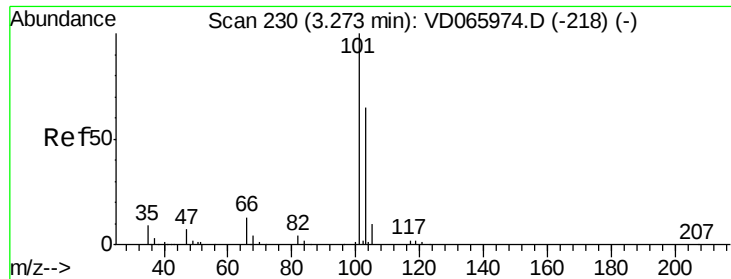
Tgt Ion: 64 Resp: 19092

Ion Ratio Lower Upper

64 100

66 35.6 23.4 35.0#





#7

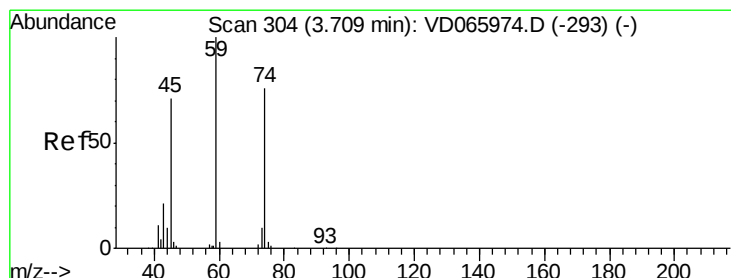
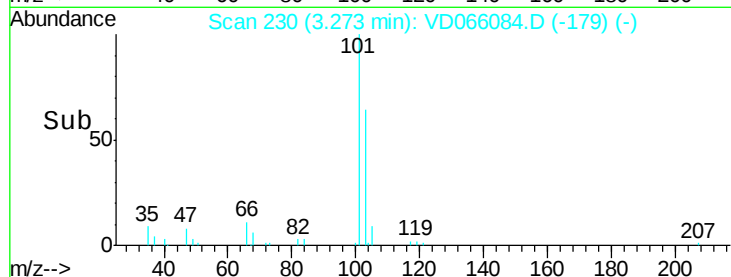
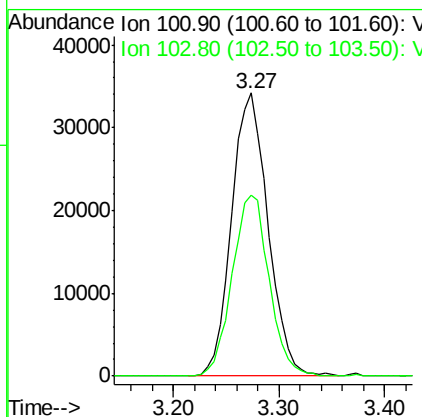
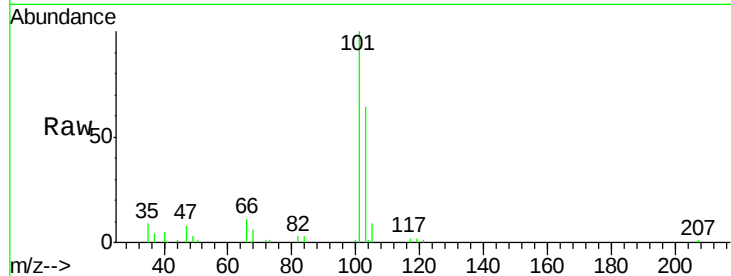
Trichlorofluoromethane
Concen: 23.545 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

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MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

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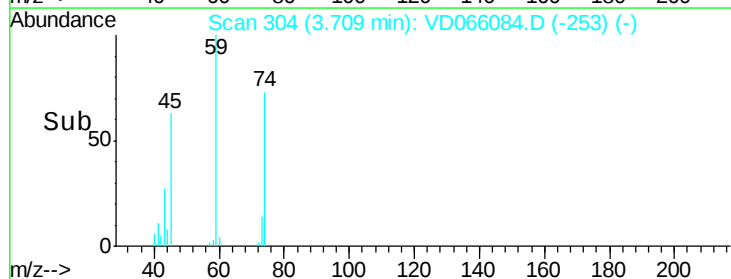
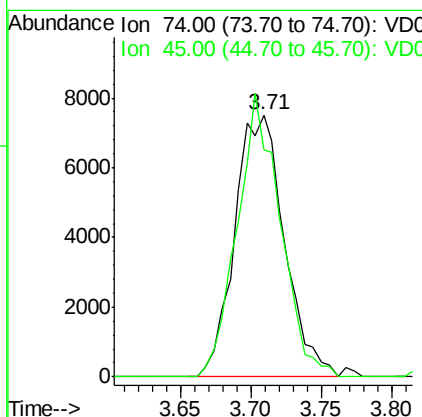
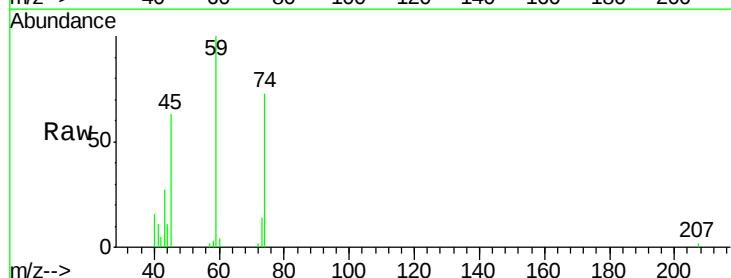
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7/30/2020 6:19:39 PM

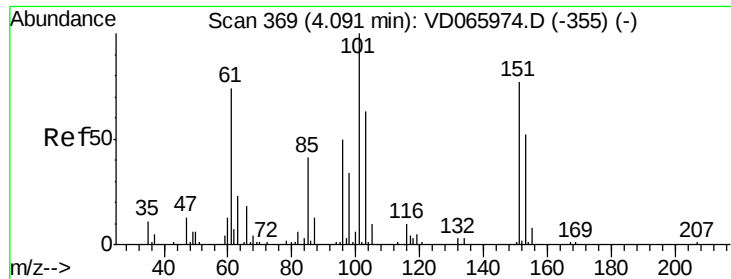


#8

Diethyl Ether
Concen: 19.297 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.456 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

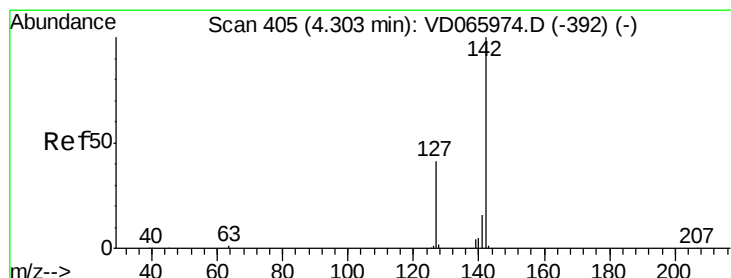
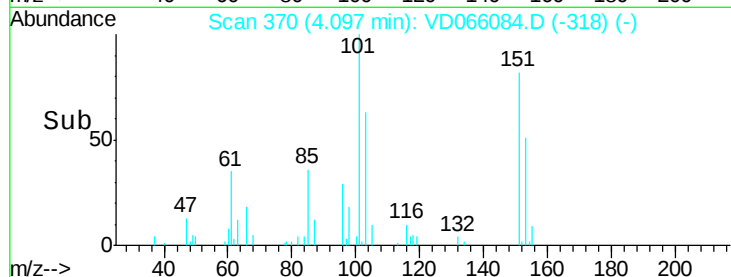
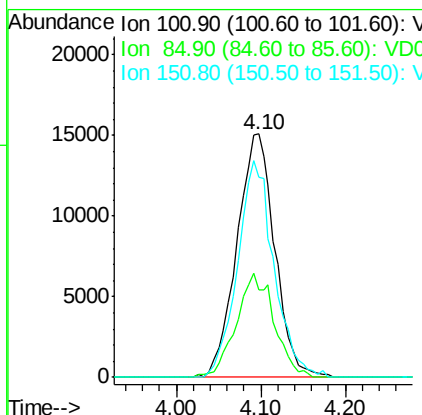
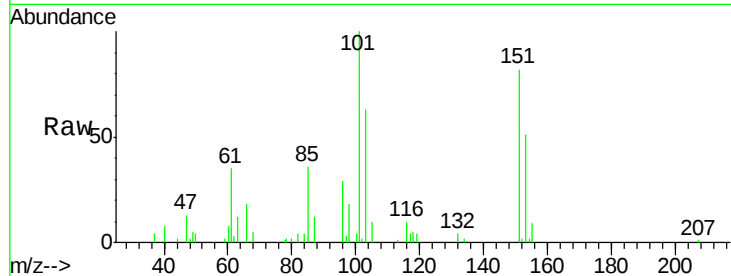
ClientSampleId :

VD0729SBS01

Tot Ion:	101	Resp:	47004
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.6	50.4
151	85.5	66.6	99.8

Manual Integrations
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7/30/2020 6:19:39 PM



#10

Methyl Iodide

Concen: 26.020 ug/l

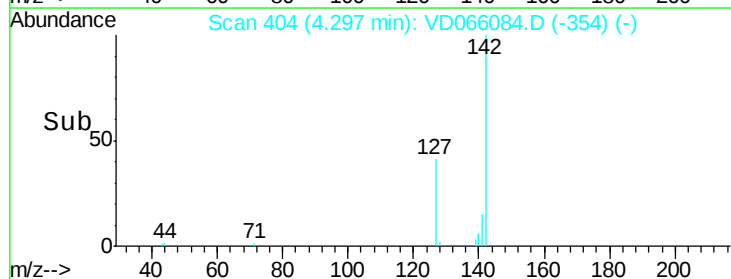
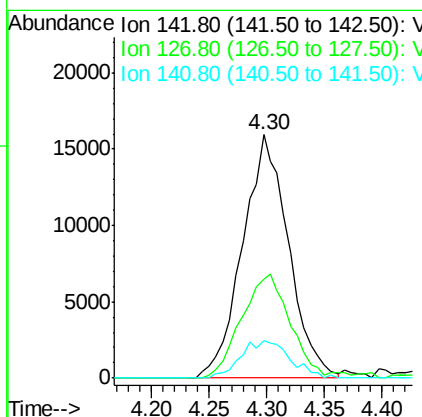
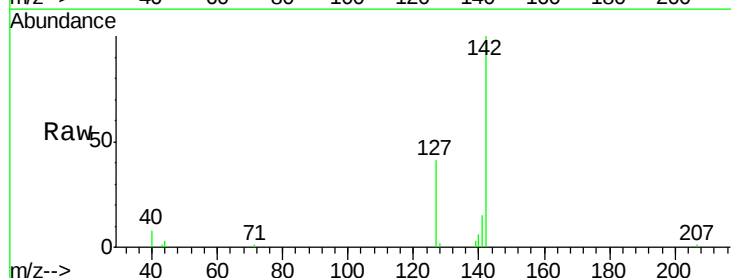
RT: 4.30 min Scan# 404

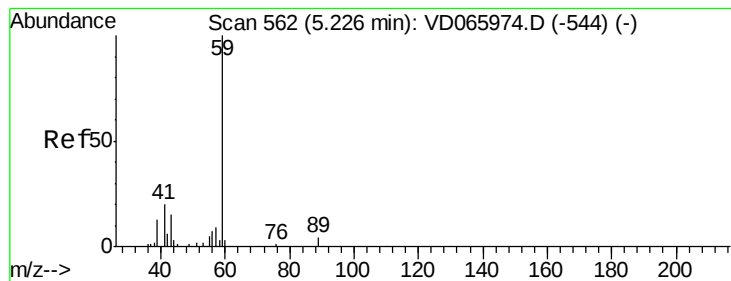
Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Tgt Ion:	142	Resp:	44169
Ion Ratio	Lower	Upper	
142	100		
127	44.9	32.9	49.3
141	16.5	11.8	17.6





#11

Tert butyl alcohol

Concen: 80.147 ug/l m

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 59 Resp: 12195

Ion Ratio Lower Upper

59 100

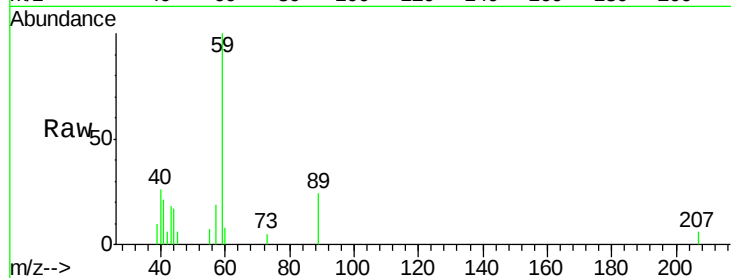
57 5.3 4.5 6.7

Manual Integrations

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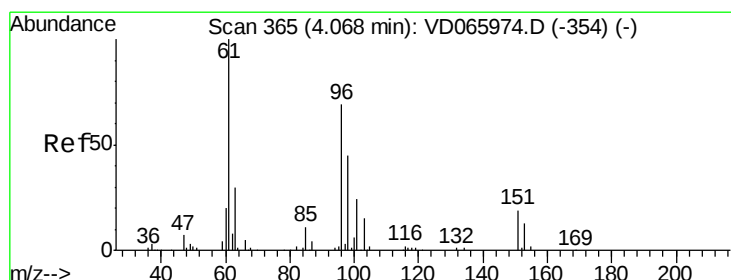
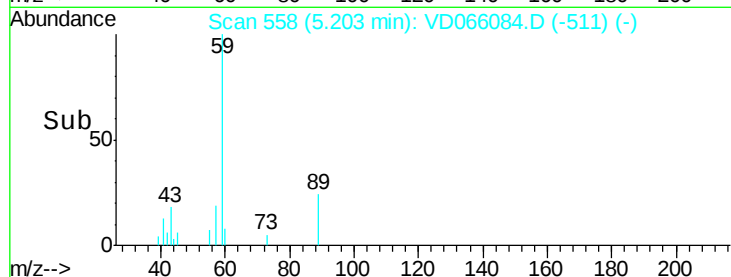
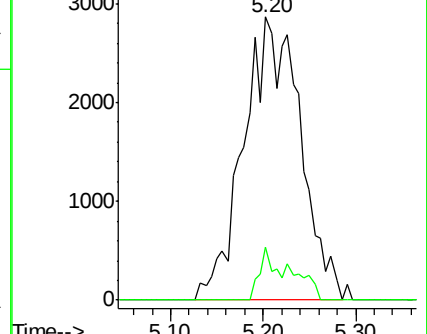
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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.854 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

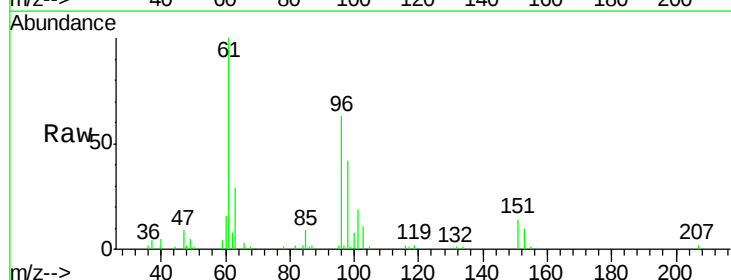
Tgt Ion: 96 Resp: 43666

Ion Ratio Lower Upper

96 100

61 158.6 115.4 173.0

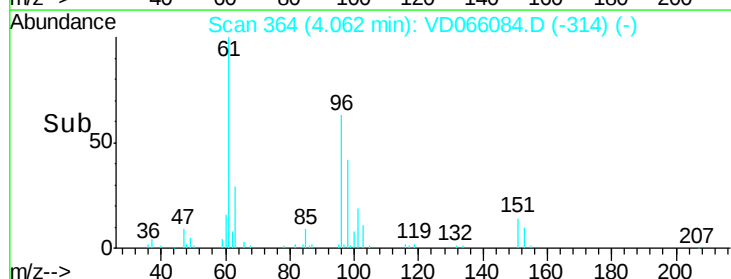
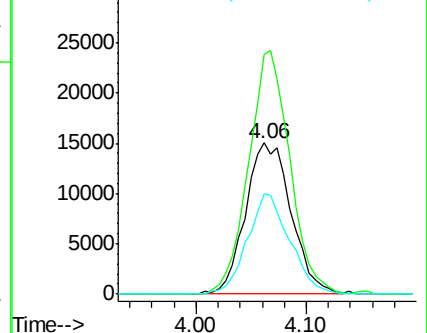
98 66.2 51.5 77.3

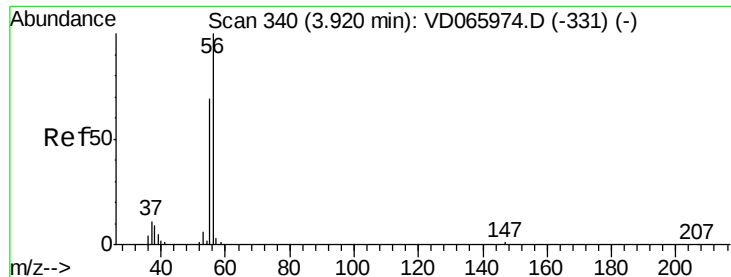


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





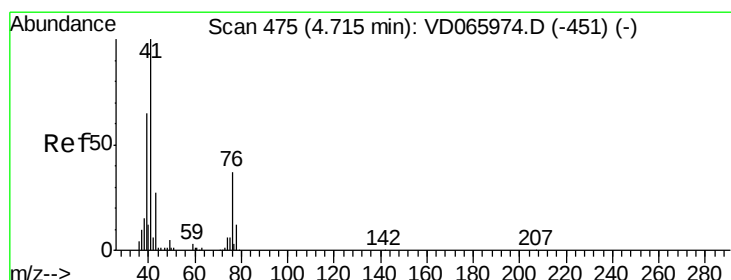
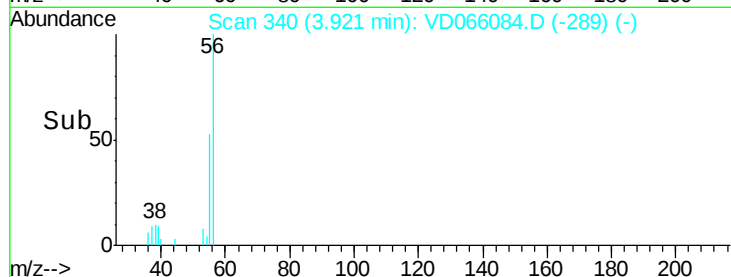
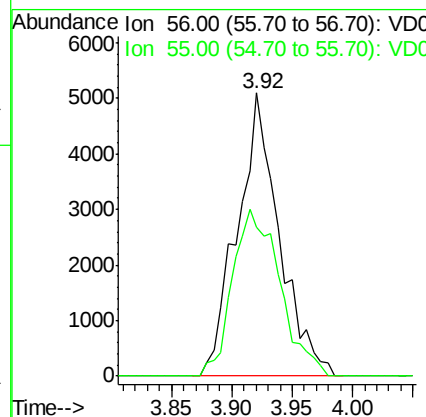
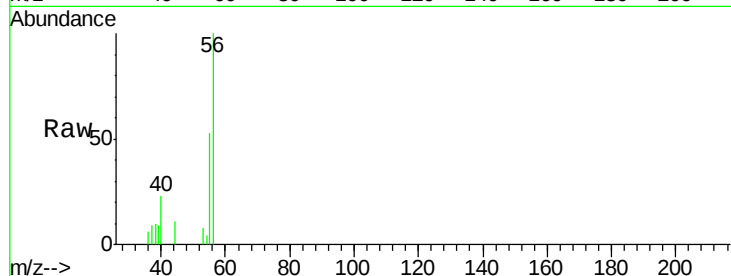
#13
Acrolein
Concen: 74.148 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	66.8	55.8	83.8

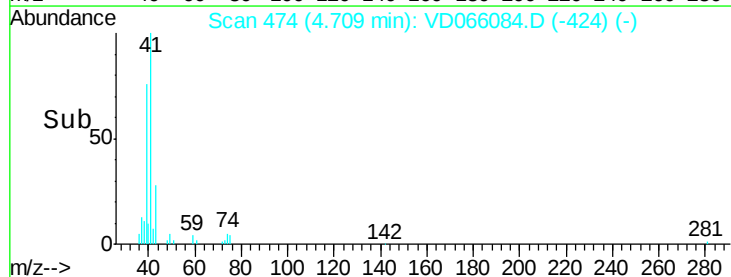
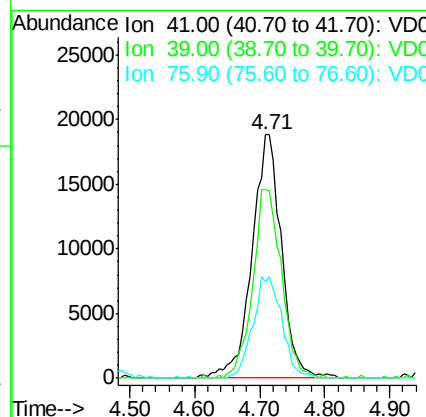
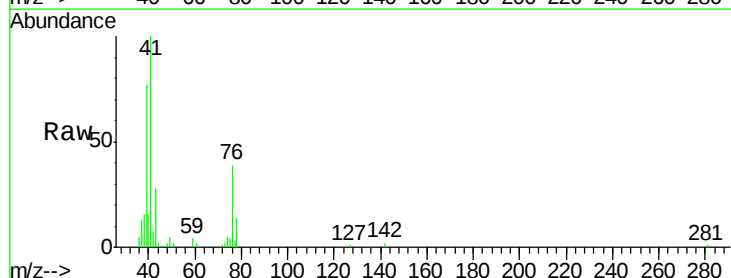
Manual Integrations
APPROVED

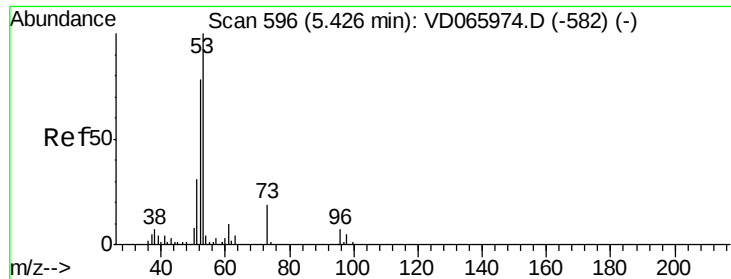
MMDadoda
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#14
Allyl chloride
Concen: 18.875 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.4	53.4	80.2
76	40.8	29.1	43.7





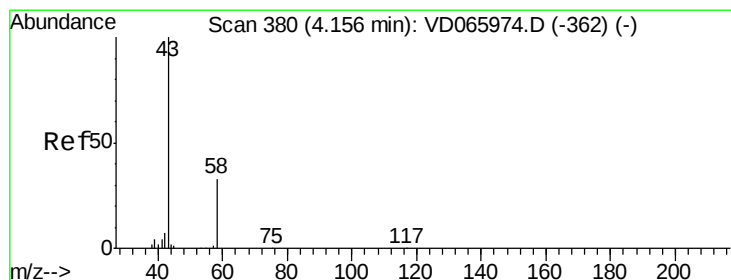
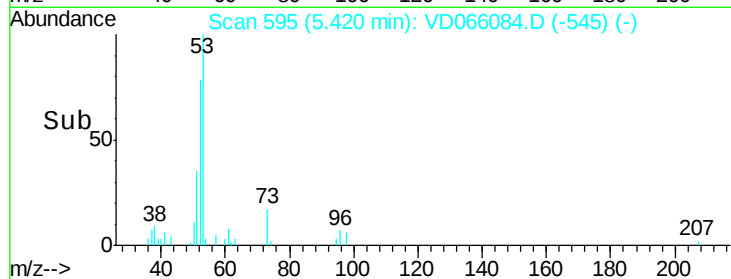
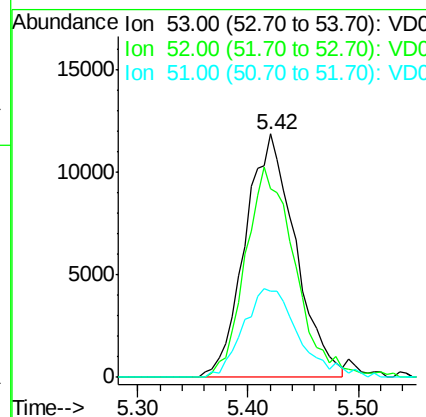
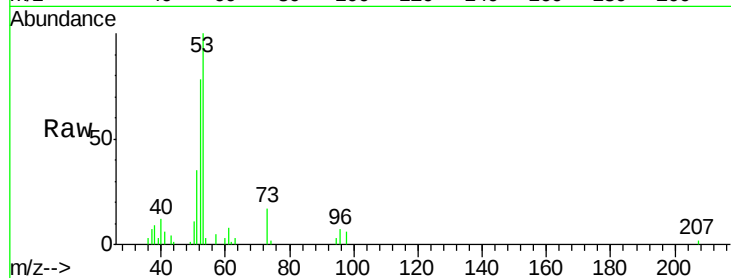
#15
 Acrylonitrile
 Concen: 92.252 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.2	67.1	100.7
51	40.1	28.7	43.1

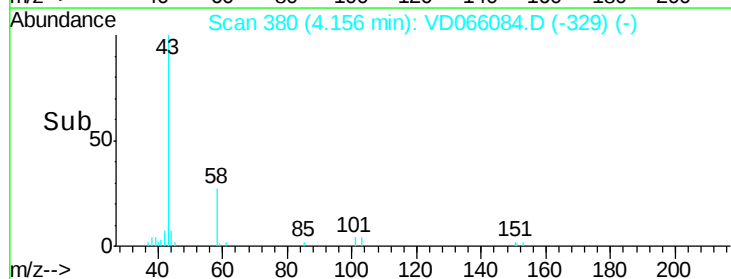
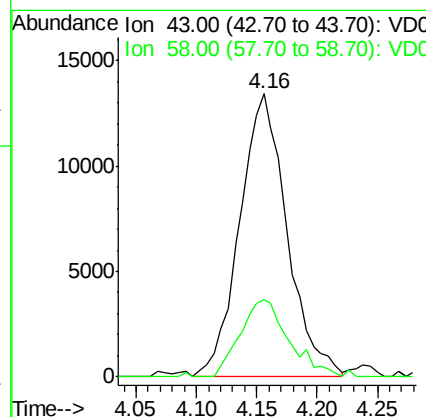
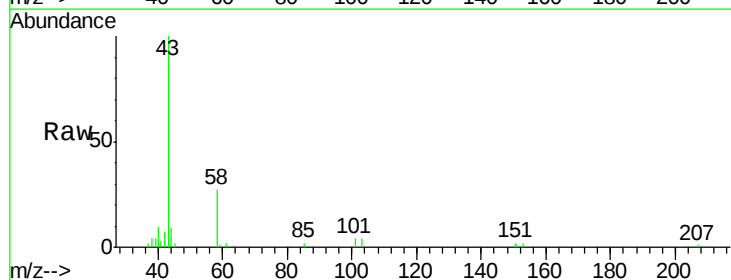
Manual Integrations
 APPROVED

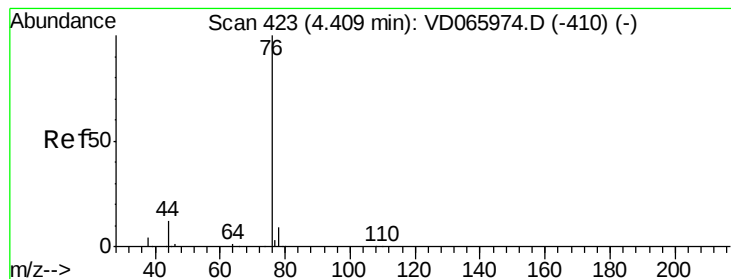
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#16
 Acetone
 Concen: 92.059 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.4	26.3	39.5





#17

Carbon Disulfide

Concen: 19.284 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 76 Resp: 124980

Ion Ratio Lower Upper

76 100

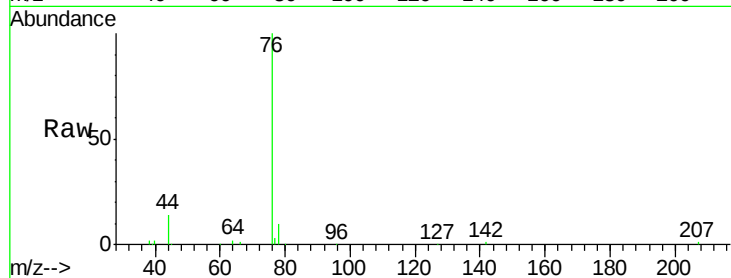
78 9.9 7.4 11.2

Manual Integrations

APPROVED

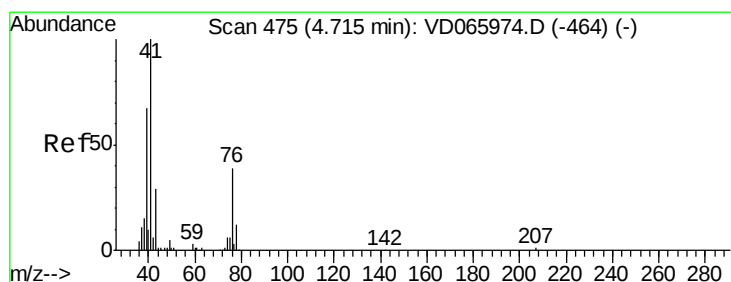
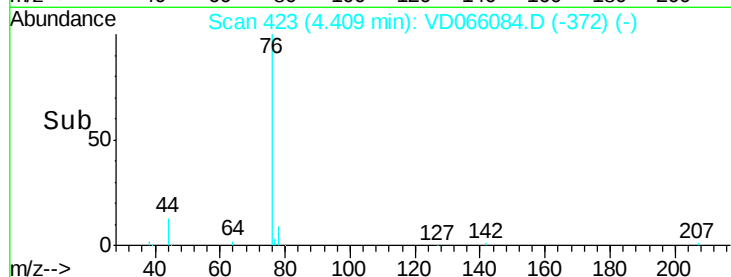
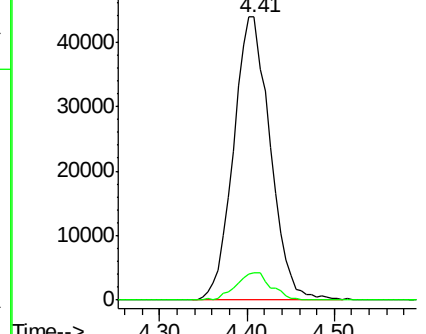
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.624 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066084.D

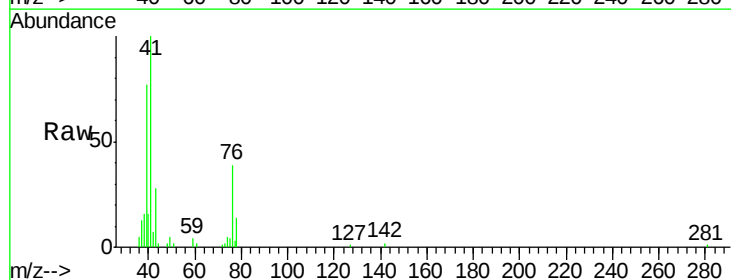
Acq: 29 Jul 2020 11:03

Tgt Ion: 43 Resp: 17244

Ion Ratio Lower Upper

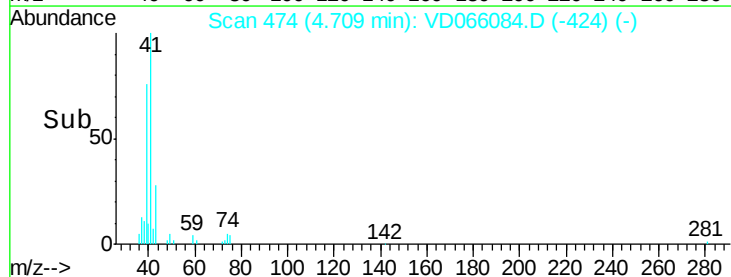
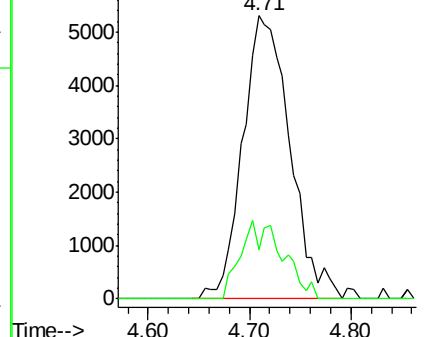
43 100

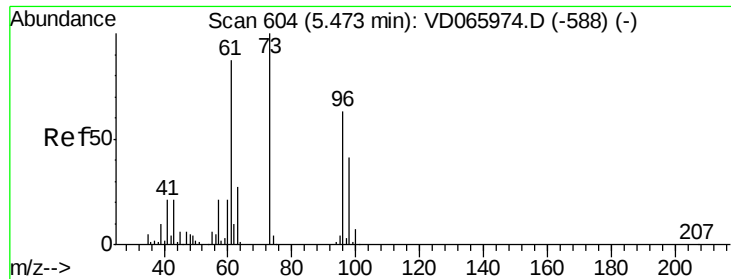
74 11.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





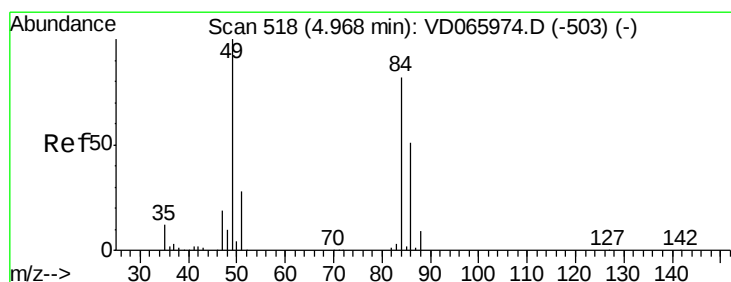
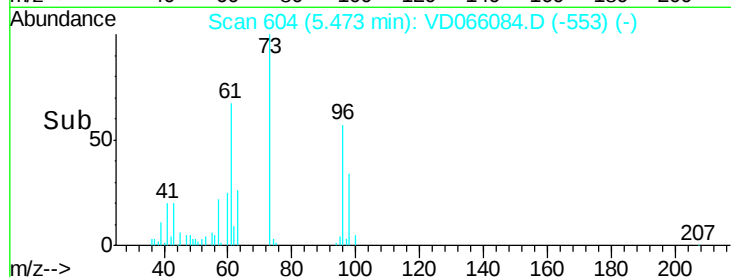
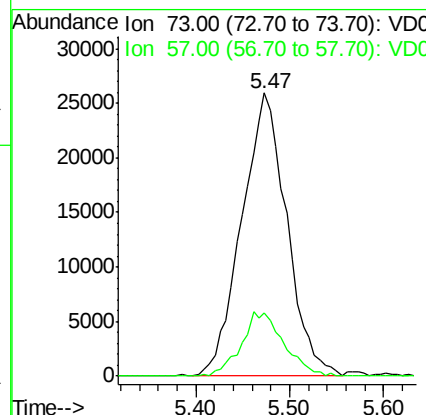
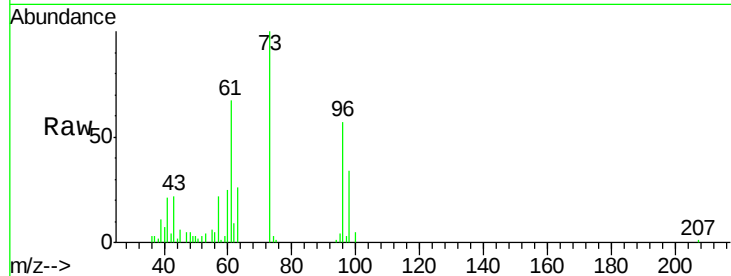
#19
Methvl tert-butvl Ether
Concen: 21.005 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion: 73 Resp: 86230
Ion Ratio Lower Upper
73 100
57 22.1 17.0 25.4

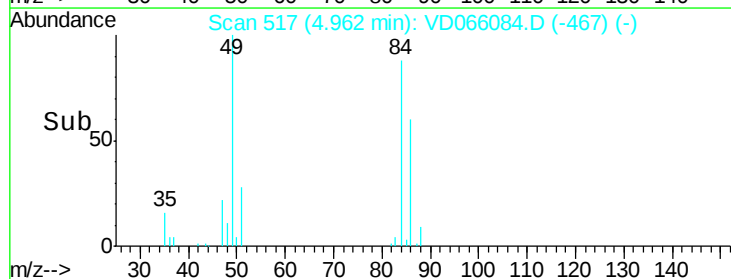
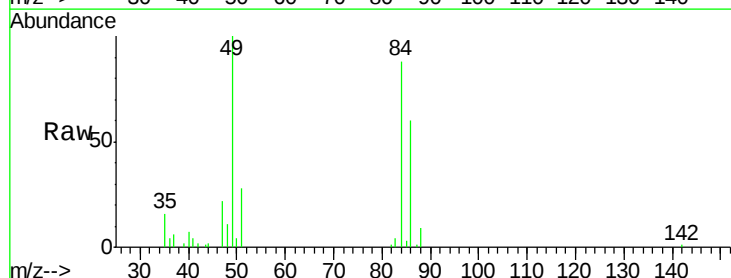
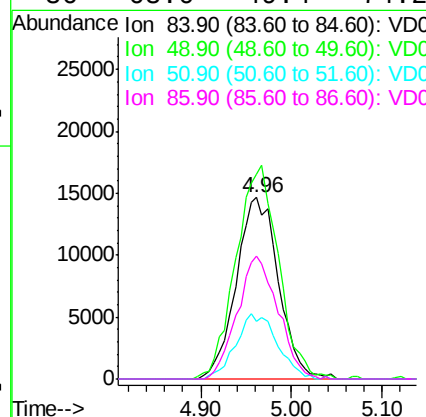
Manual Integrations
APPROVED

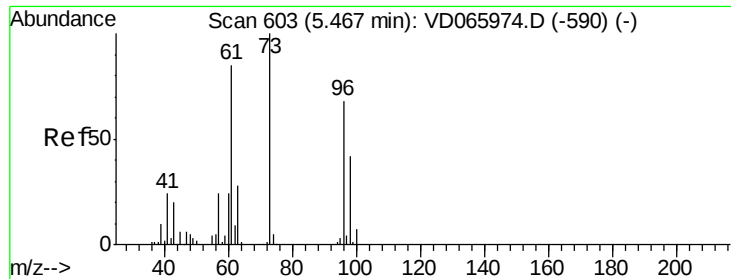
MMDadoda
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#20
Methylene Chloride
Concen: 19.791 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 84 Resp: 47498
Ion Ratio Lower Upper
84 100
49 113.0 97.7 146.5
51 32.0 27.4 41.2
86 68.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.047 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 96 Resp: 47529

Ion Ratio Lower Upper

96 100

61 115.1 100.5 150.7

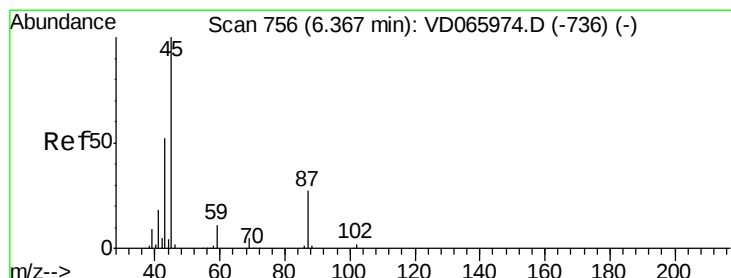
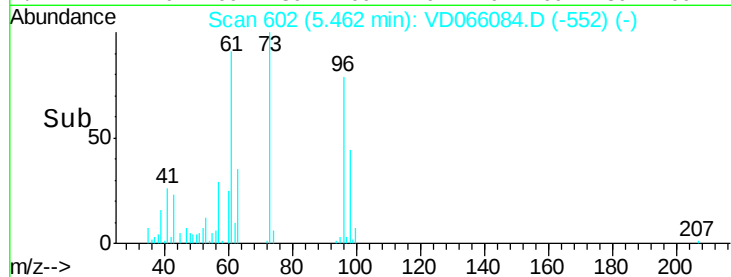
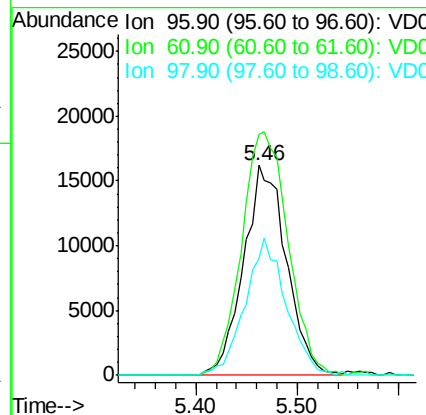
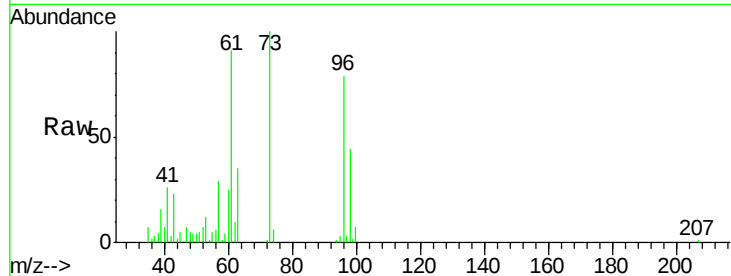
98 55.5 49.7 74.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.346 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Tgt Ion: 45 Resp: 114796

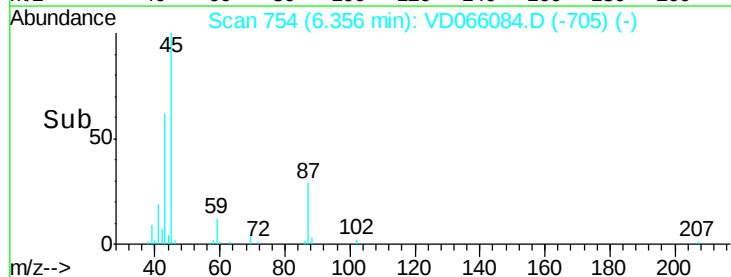
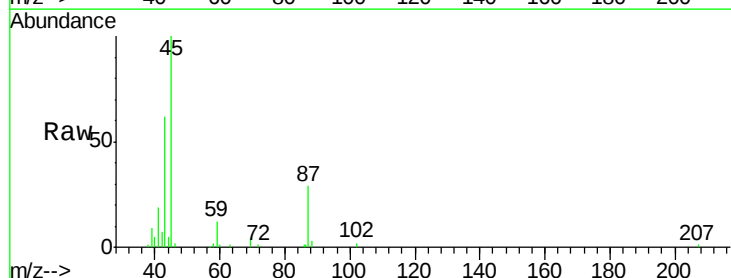
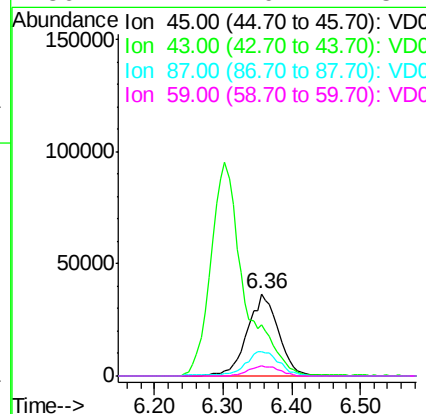
Ion Ratio Lower Upper

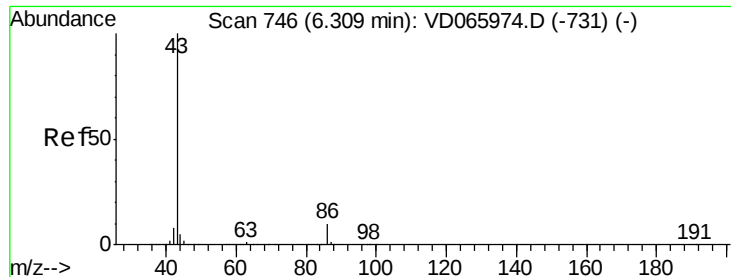
45 100

43 60.8 43.0 64.4

87 28.9 22.0 33.0

59 12.2 9.1 13.7





#23

Vinyl Acetate

Concen: 95.781 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 43 Resp: 320525

Ion Ratio Lower Upper

43 100

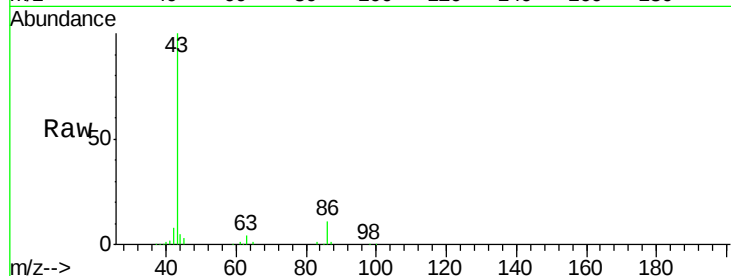
86 10.7 7.9 11.9

Manual Integrations

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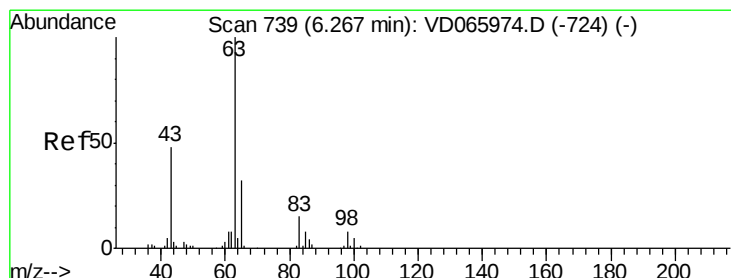
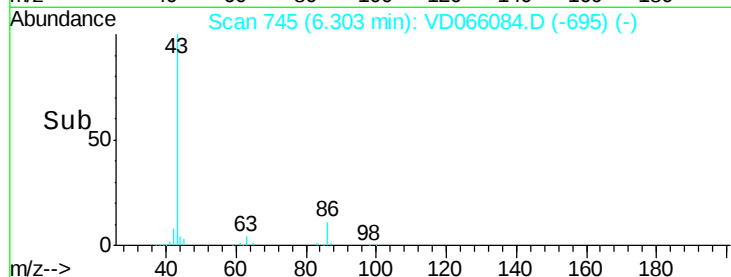
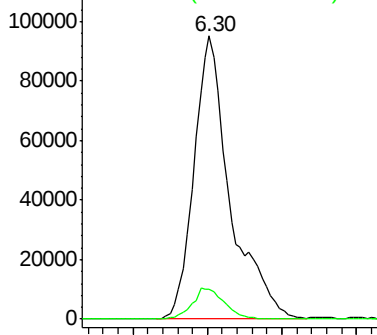
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.810 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

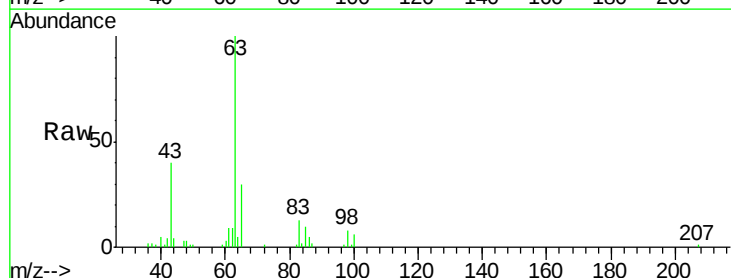
Tgt Ion: 63 Resp: 74818

Ion Ratio Lower Upper

63 100

98 8.0 4.3 12.8

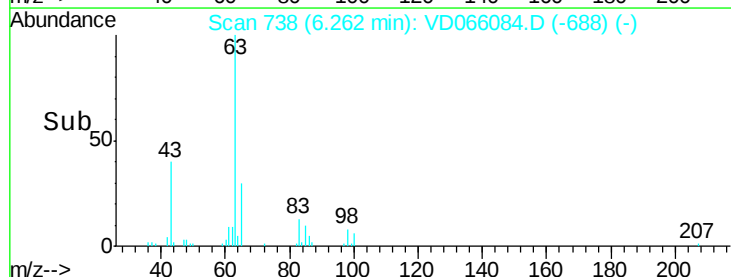
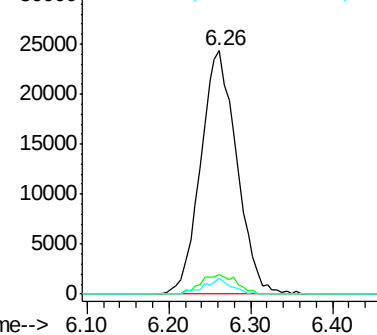
100 6.2 2.5 7.5

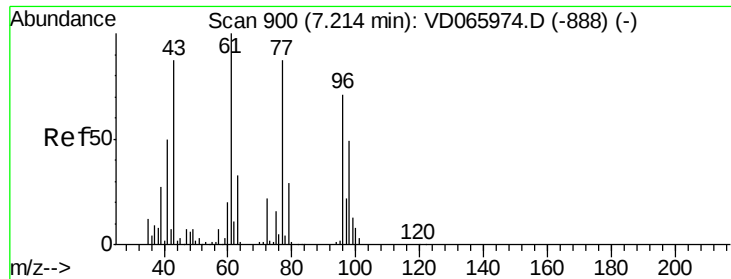


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 87.934 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 43 Resp: 46441

Ion Ratio Lower Upper

43 100

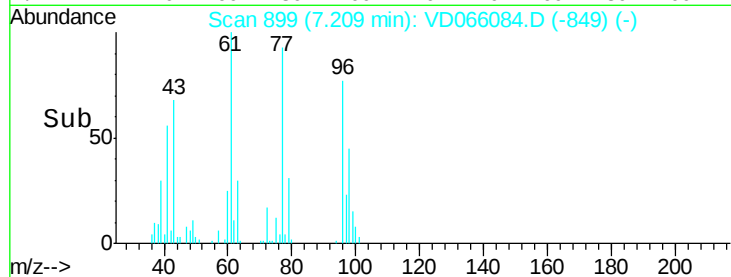
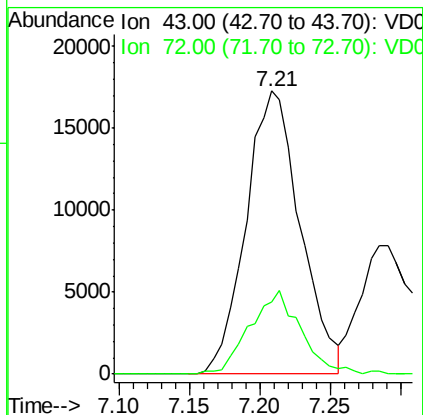
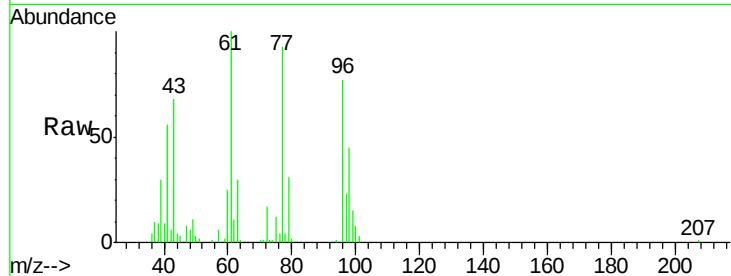
72 25.4 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.524 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066084.D

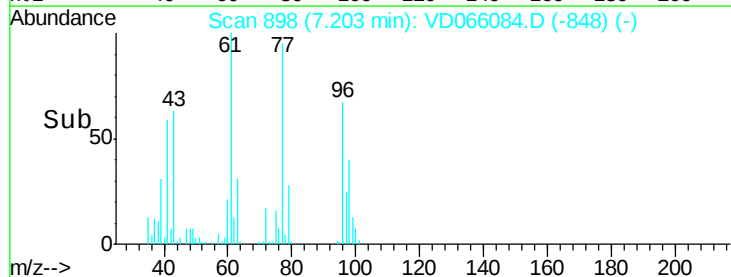
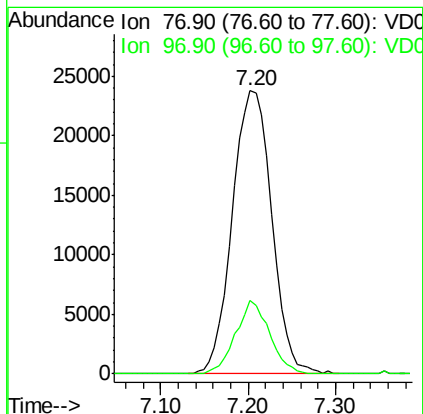
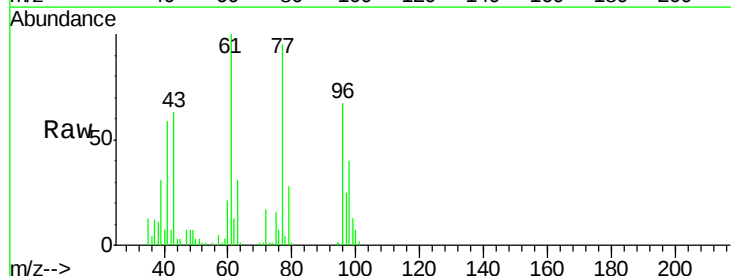
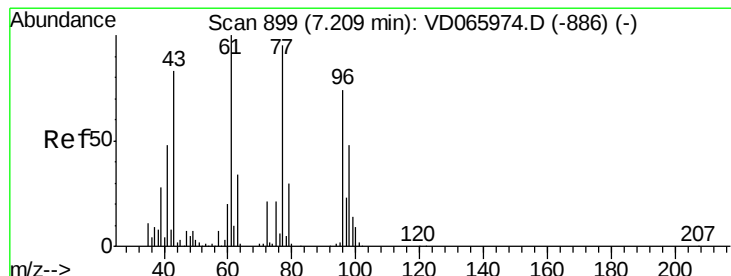
Acq: 29 Jul 2020 11:03

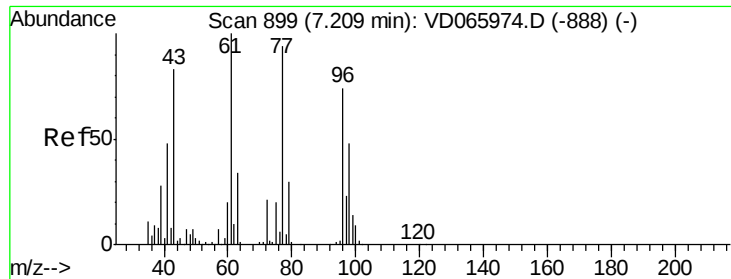
Tgt Ion: 77 Resp: 72821

Ion Ratio Lower Upper

77 100

97 22.2 11.6 34.7





#27

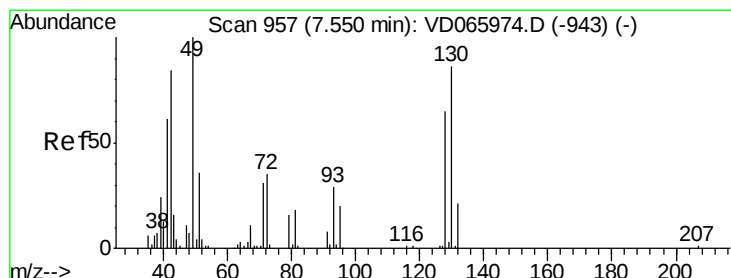
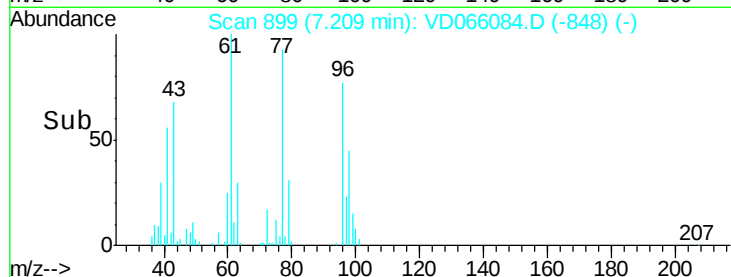
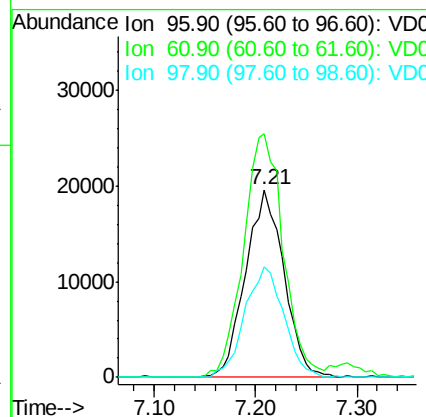
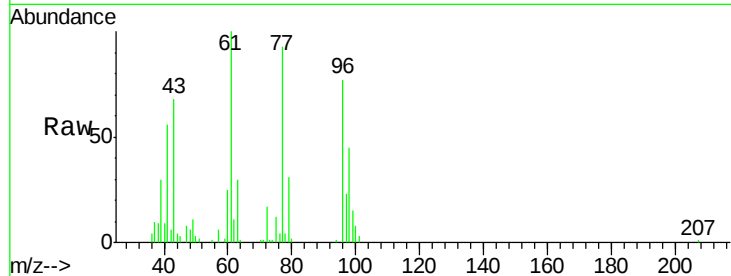
cis-1,2-Dichloroethene
 Concen: 21.565 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	276.6
98	60.0	0.0	130.8

Manual Integrations
 APPROVED

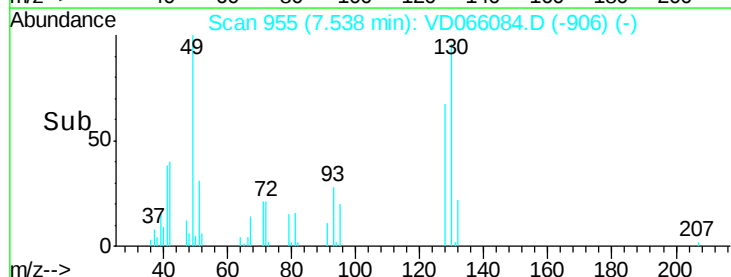
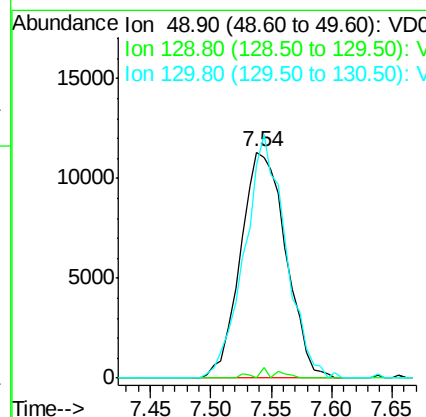
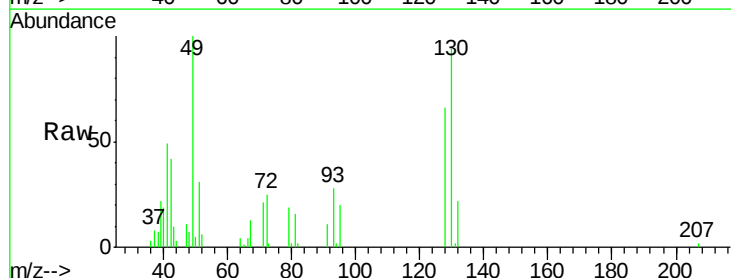
MMDadoda
 7/30/2020 6:19:39 PM

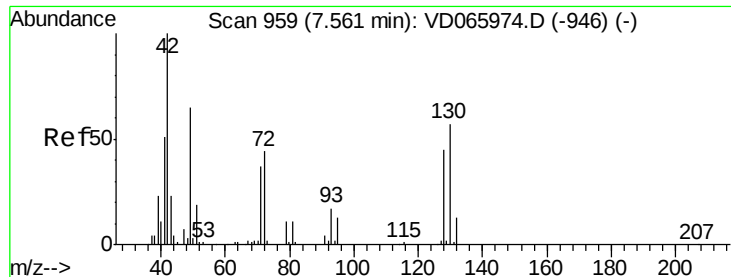


#28

Bromochloromethane
 Concen: 19.396 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.8
130	97.5	68.4	102.6





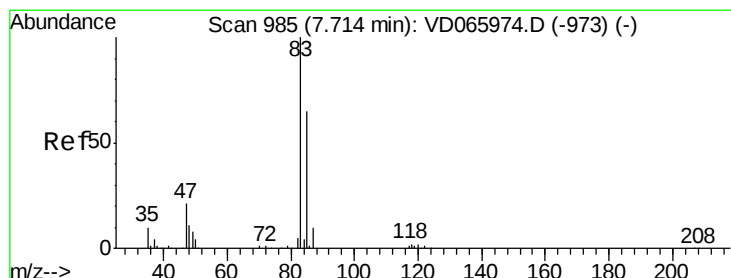
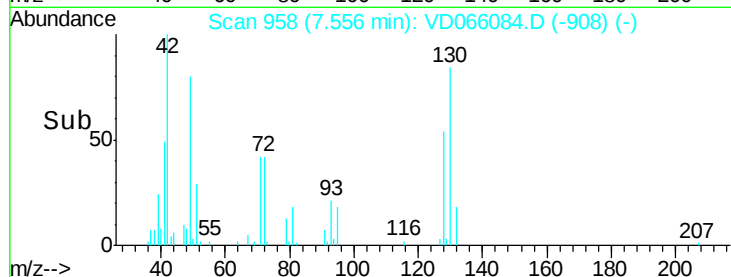
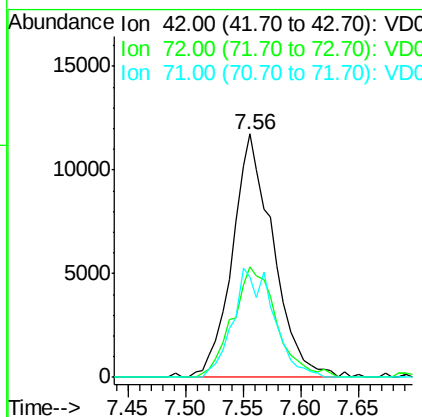
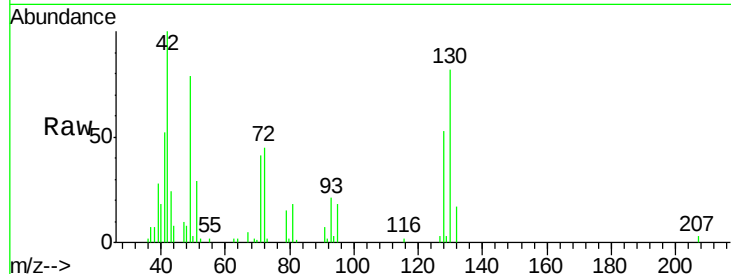
#29
Tetrahydrofuran
Concen: 88.470 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	34.2	51.2
71	44.6	31.4	47.2

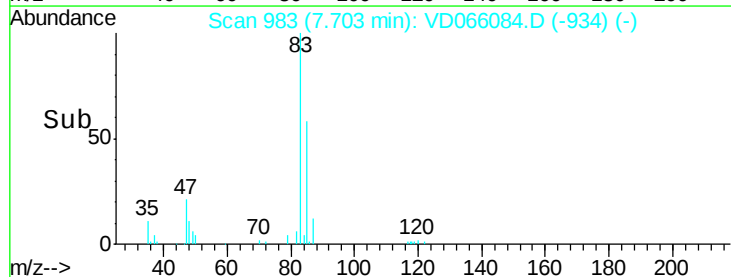
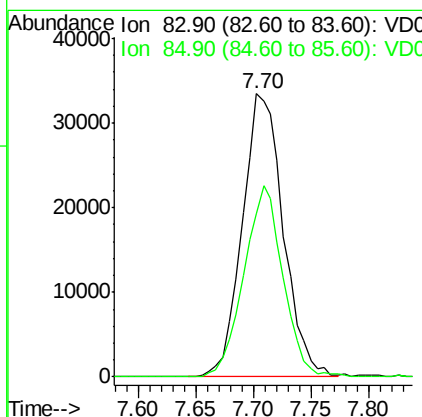
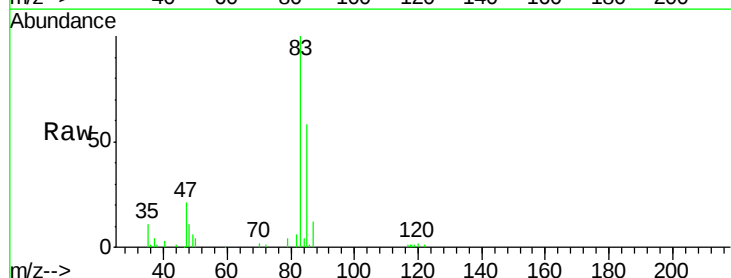
Manual Integrations
APPROVED

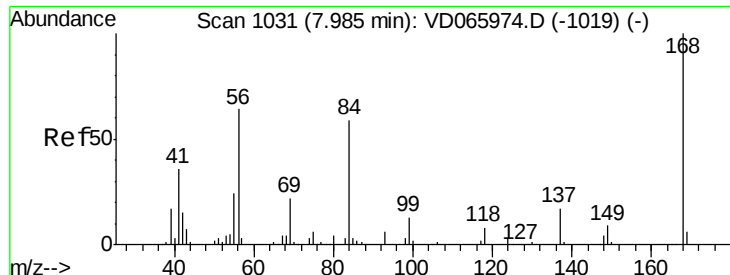
MMDadoda
7/30/2020 6:19:39 PM



#30
Chloroform
Concen: 21.922 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.7	52.1	78.1





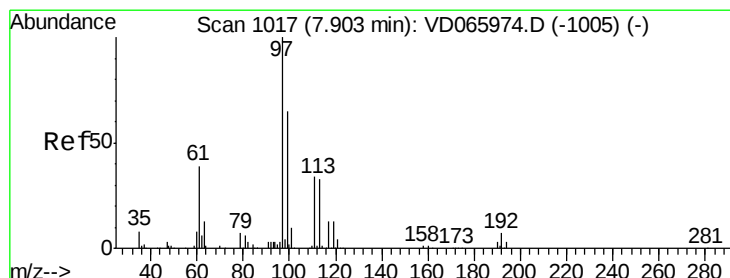
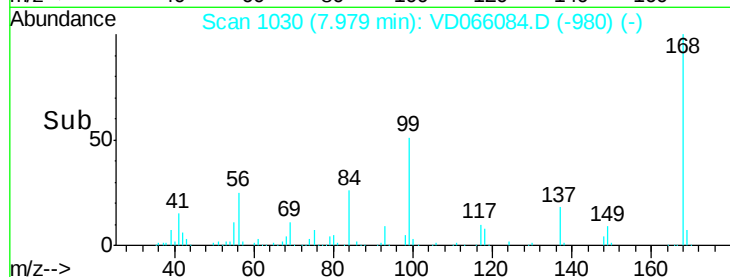
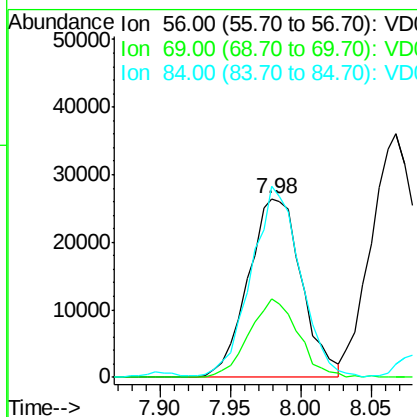
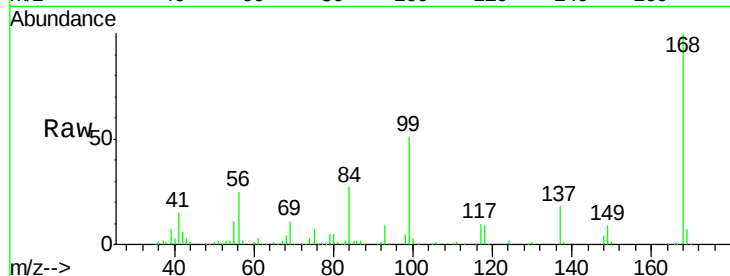
#31
Cyclohexane
Concen: 19.790 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	56	Resp	70000
Ion	Ratio	Lower	Upper
56	100		
69	43.7	28.0	42.0#
84	105.9	72.6	109.0

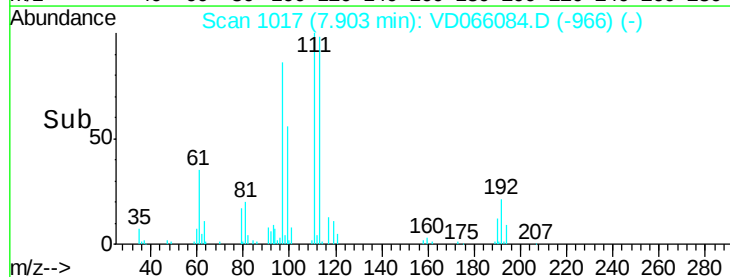
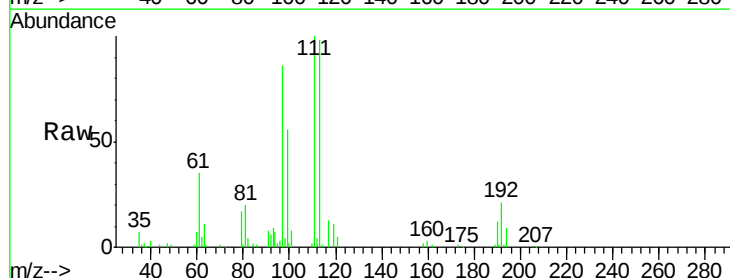
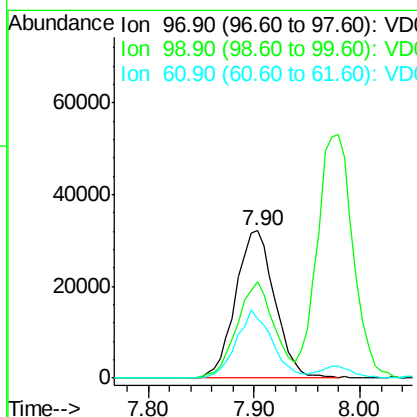
Manual Integrations
APPROVED

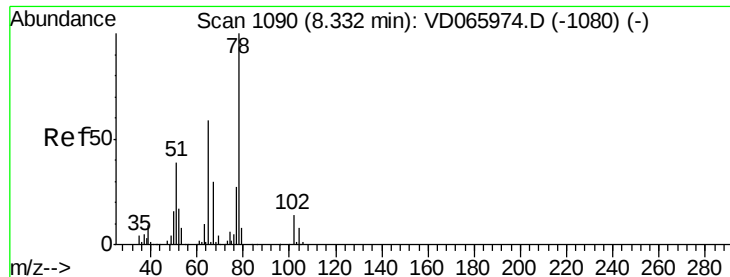
MMDadoda
7/30/2020 6:19:39 PM



#32
1,1,1-Trichloroethane
Concen: 23.826 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	97	Resp	82884
Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.8	77.6
61	42.2	33.3	49.9





#33

1,2-Dichloroethane-d4

Concen: 53.059 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 65 Resp: 104332

Ion Ratio Lower Upper

65 100

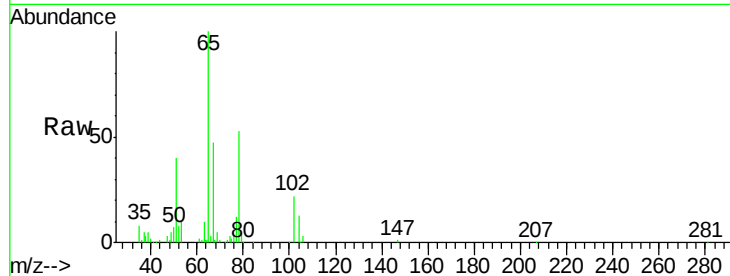
67 49.5 0.0 105.0

Manual Integrations

APPROVED

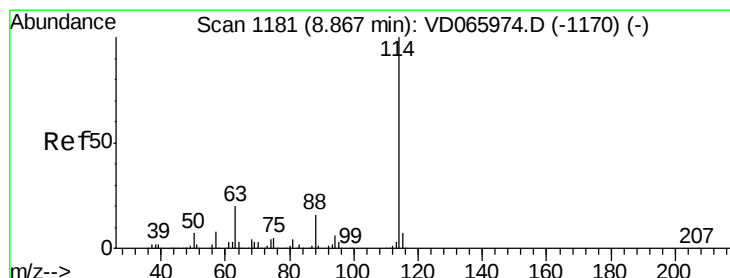
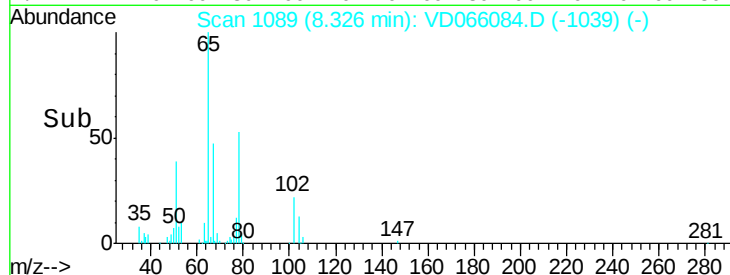
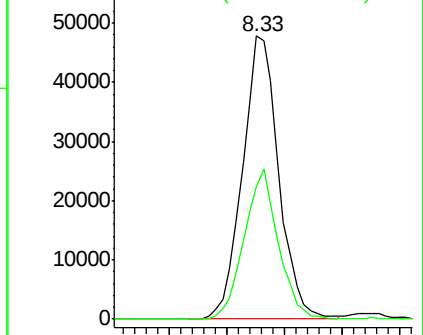
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VD065974.D (-1080) (-)

Ion 66.90 (66.60 to 67.60): VD065974.D (-1080) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

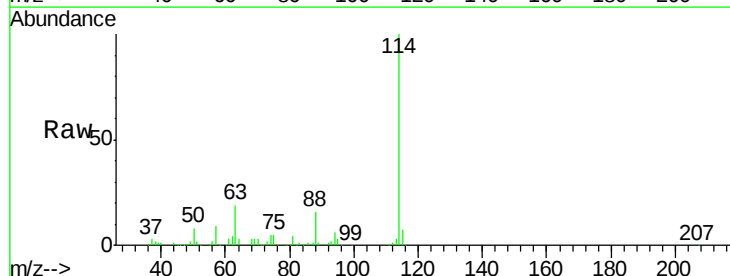
Tgt Ion: 114 Resp: 336620

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

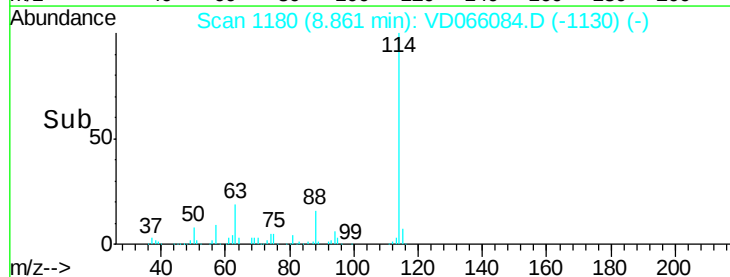
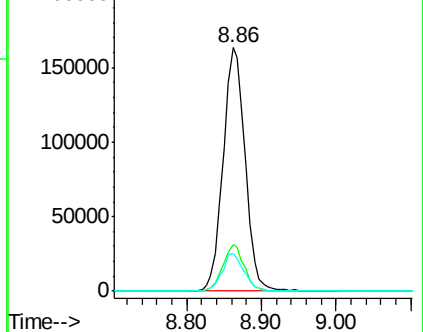
88 15.7 0.0 31.2

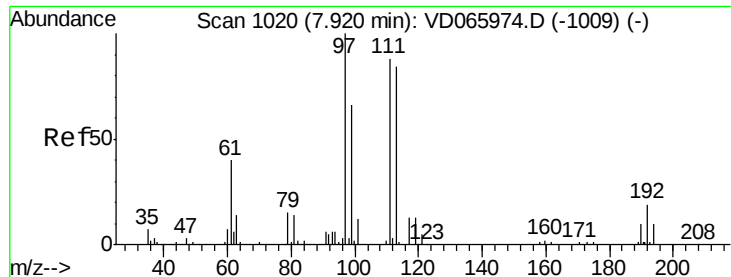


Abundance Ion 113.90 (113.60 to 114.60): VD065974.D (-1170) (-)

Ion 63.00 (62.70 to 63.70): VD065974.D (-1170) (-)

Ion 87.90 (87.60 to 88.60): VD065974.D (-1170) (-)





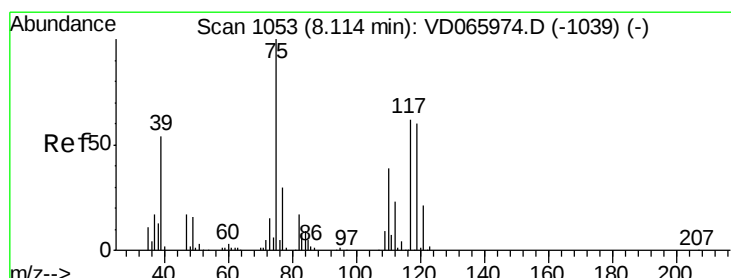
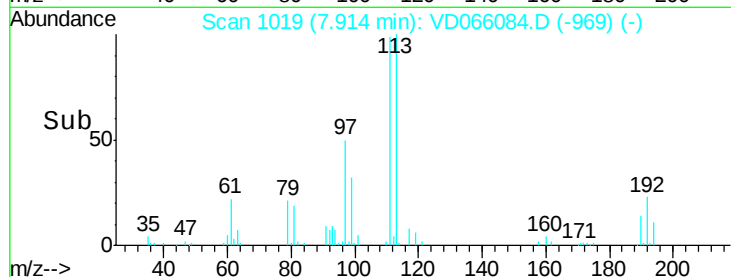
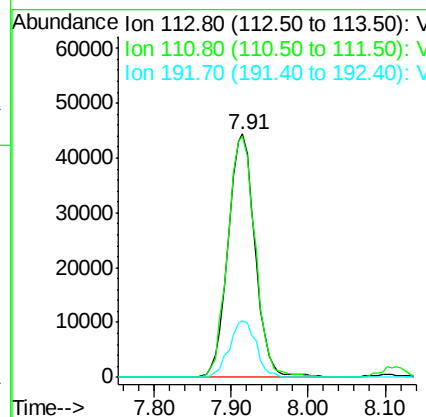
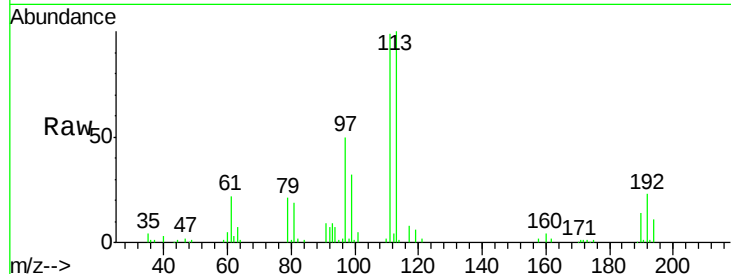
#35
Dibromofluoromethane
Concen: 53.017 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108245		
111	101.0	83.2	124.8	
192	23.1	18.7	28.1	

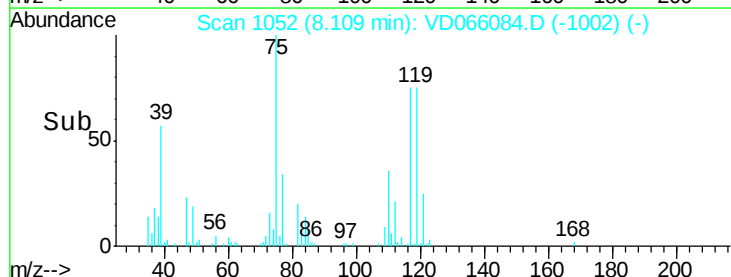
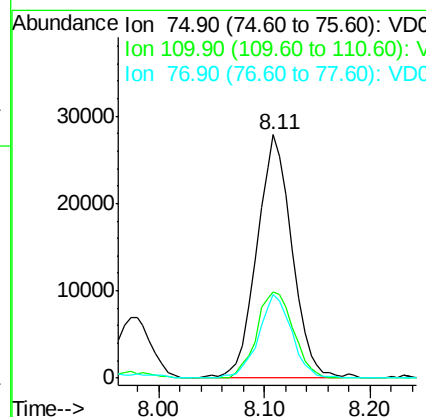
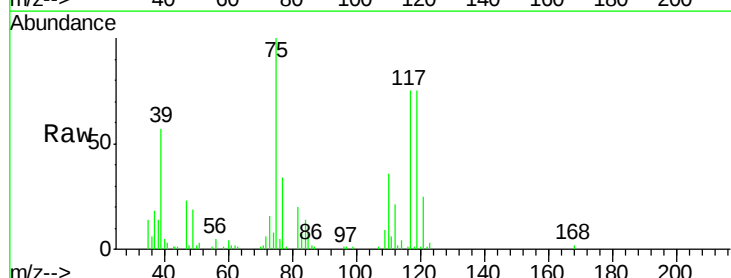
Manual Integrations
APPROVED

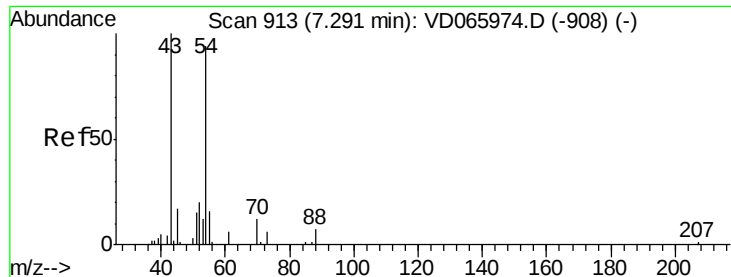
MMDadoda
7/30/2020 6:19:39 PM



#36
1,1-Dichloropropene
Concen: 22.406 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64371		
110	37.1	19.5	58.5	
77	32.6	24.7	37.1	





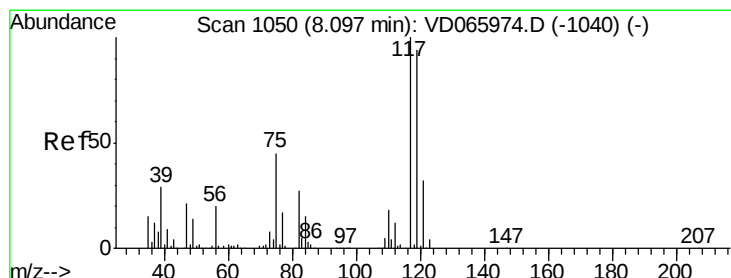
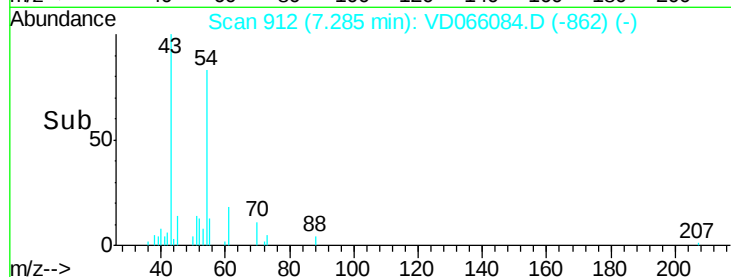
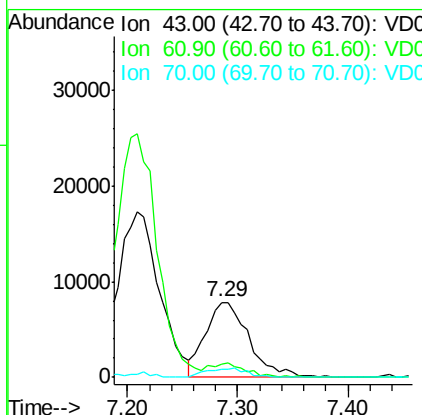
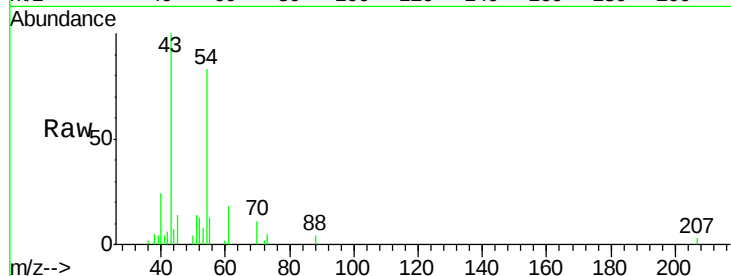
#37
Ethyl Acetate
Concen: 19.498 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.4	17.0
70	11.1	9.3	13.9

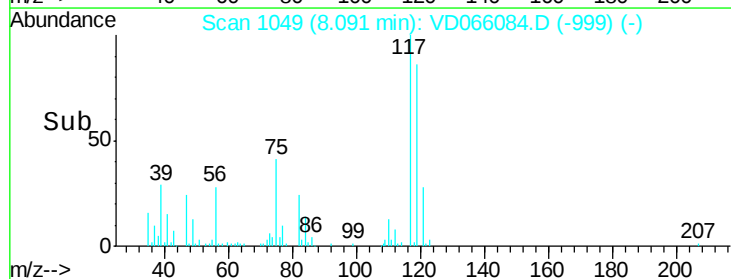
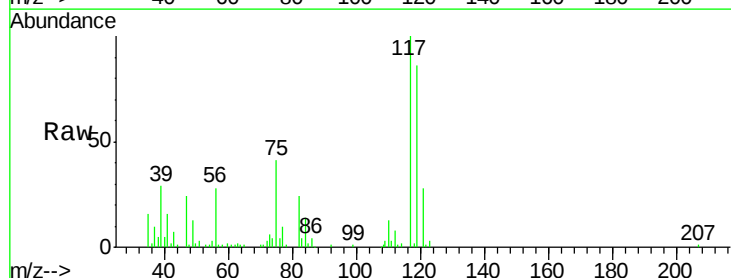
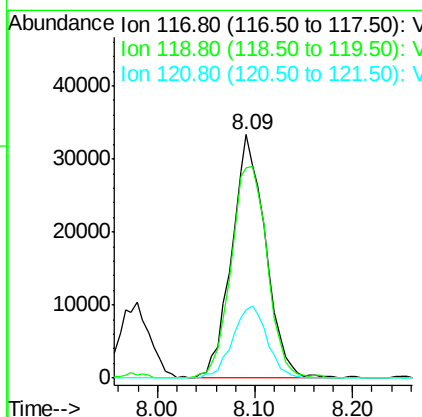
Manual Integrations
APPROVED

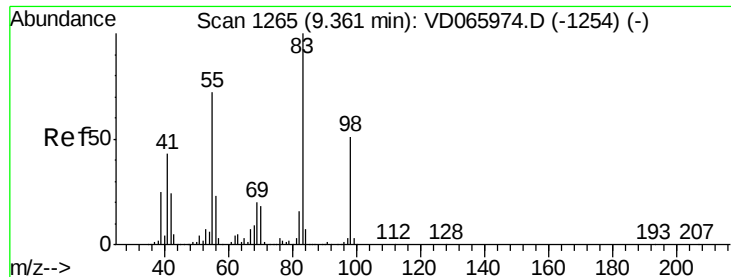
MMDadoda
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#38
Carbon Tetrachloride
Concen: 25.748 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.3	75.0	112.6
121	28.1	25.5	38.3





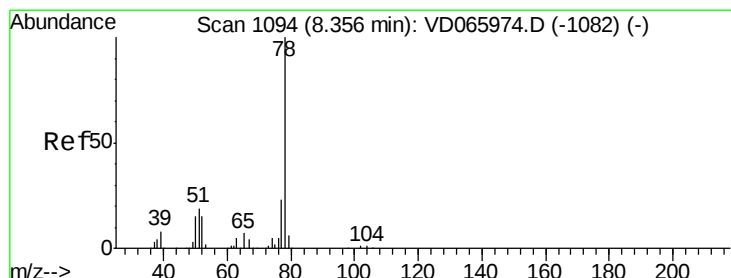
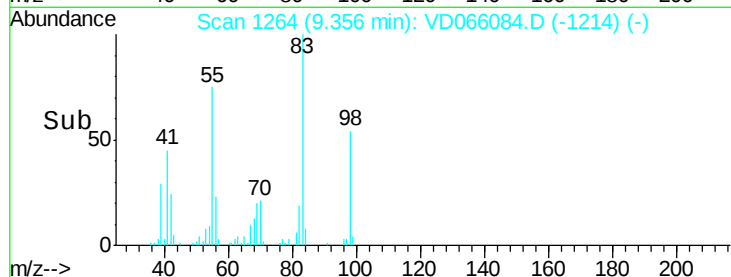
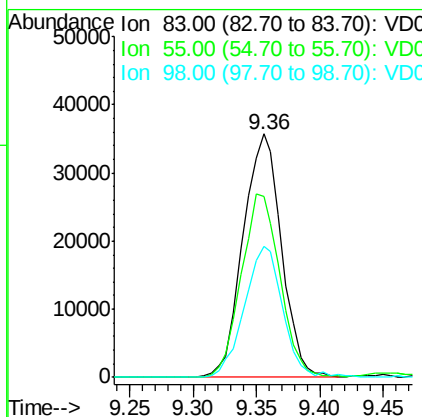
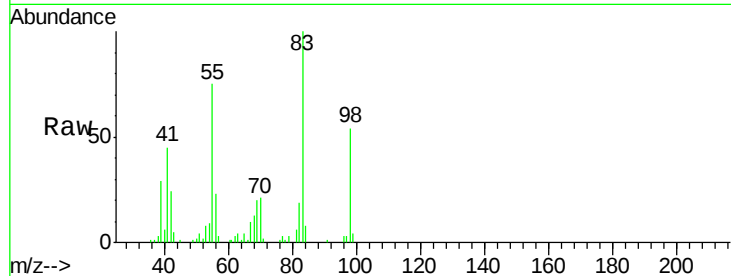
#39
Methvlcvclohexane
Concen: 21.648 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	83	Resp	75316
Ion Ratio	100	Lower	Upper
83	100		
55	74.6	57.3	85.9
98	53.9	41.0	61.6

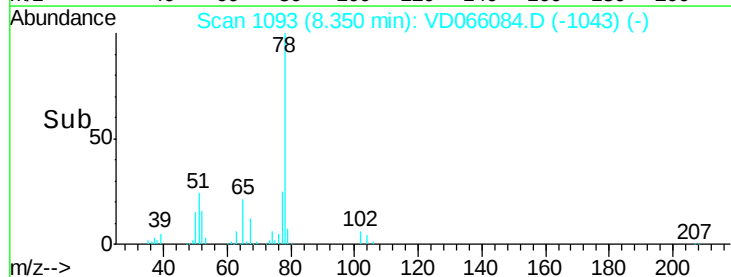
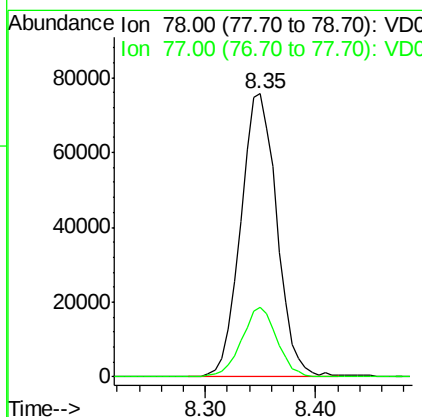
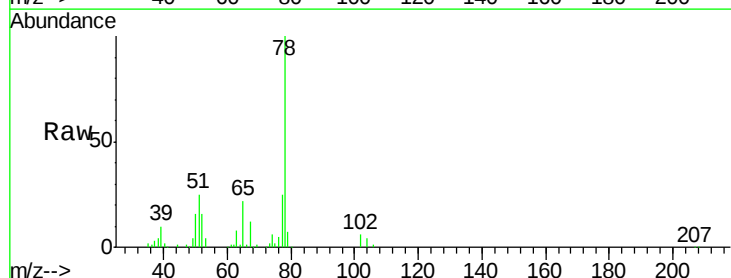
Manual Integrations
APPROVED

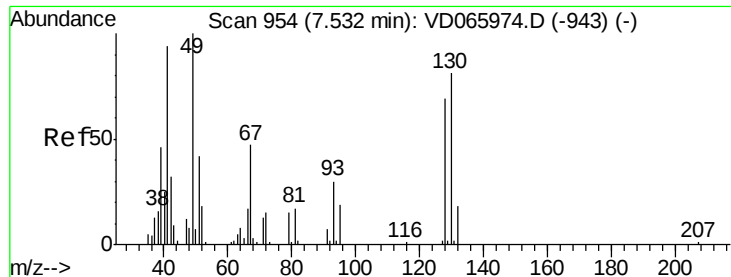
MMDadoda
7/30/2020 6:19:39 PM



#40
Benzene
Concen: 21.715 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	78	Resp	174534
Ion Ratio	100	Lower	Upper
78	100		
77	24.6	18.6	27.8





#41

Methacrylonitrile

Concen: 18.989 ug/l

RT: 7.51 min Scan# 950

Delta R.T. -0.02 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 41 Resp: 11935

Ion Ratio Lower Upper

41 100

39 52.4 0.0 0.0#

67 76.8 0.0 0.0#

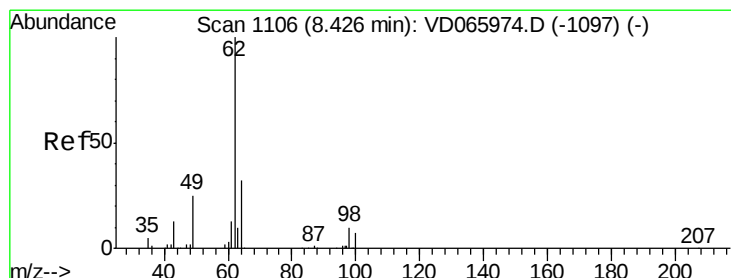
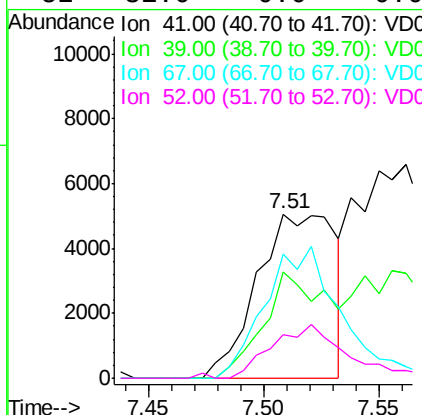
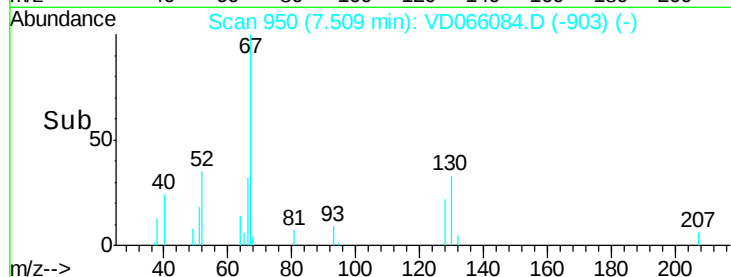
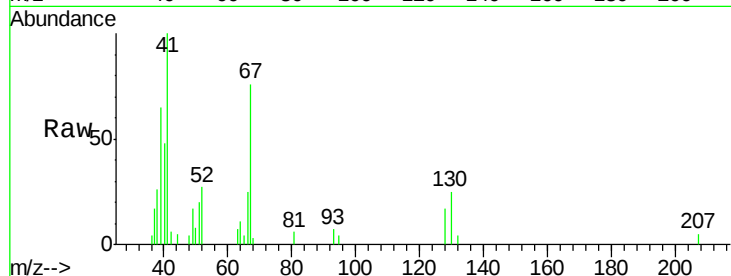
52 31.0 0.0 0.0#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 23.666 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD066084.D

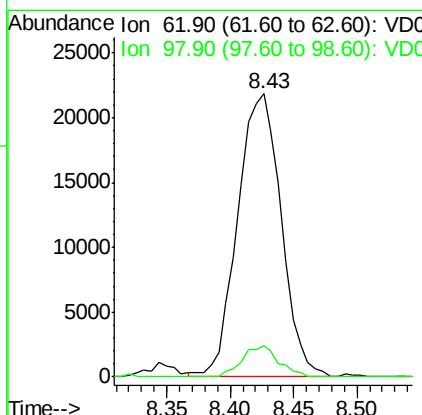
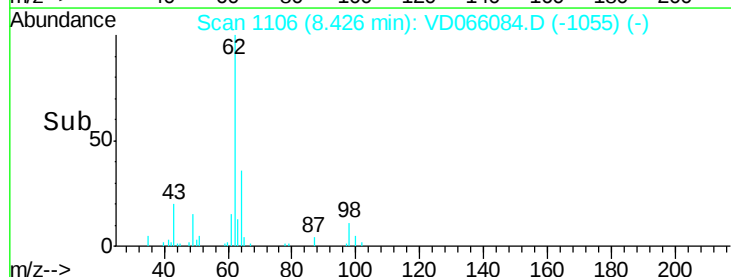
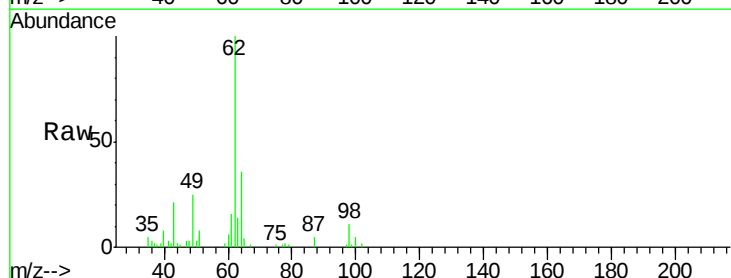
Acq: 29 Jul 2020 11:03

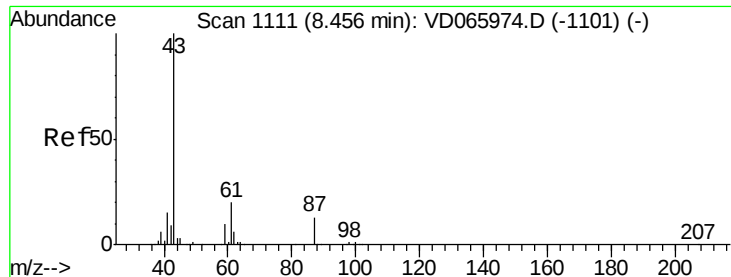
Tgt Ion: 62 Resp: 52122

Ion Ratio Lower Upper

62 100

98 9.3 0.0 21.0





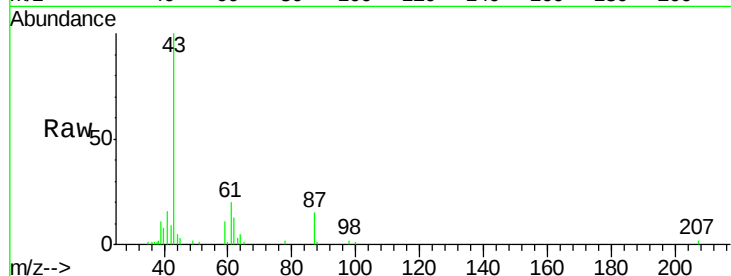
#43
Isopropyl Acetate
Concen: 19.024 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

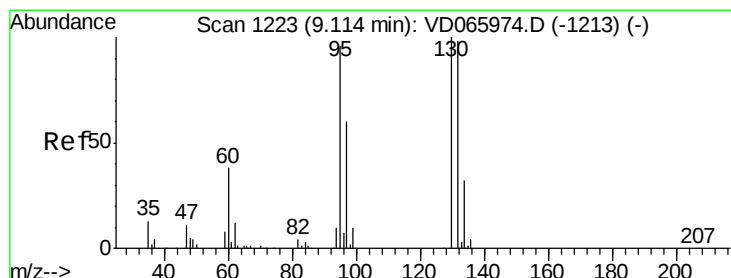
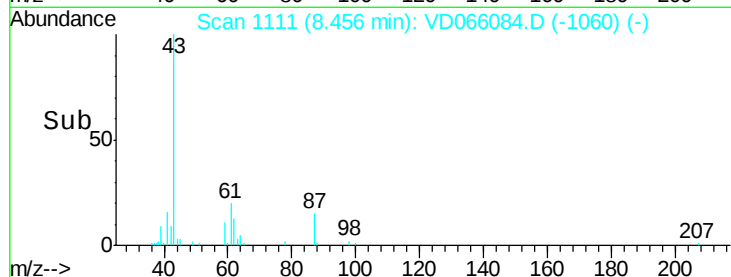
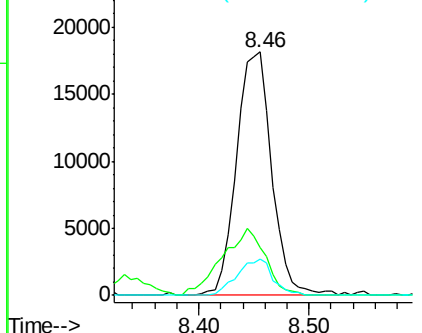
Tot Ion	Ratio	Lower	Upper
43	100		
61	33.6	25.8	38.8
87	14.9	10.9	16.3

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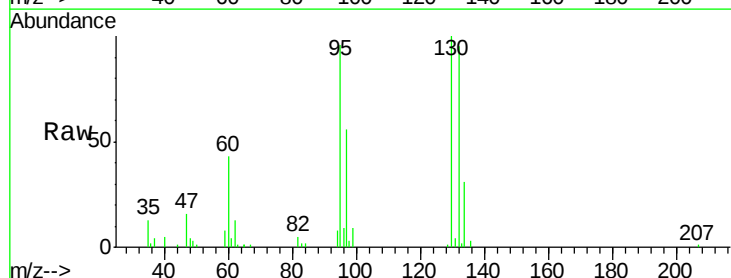


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

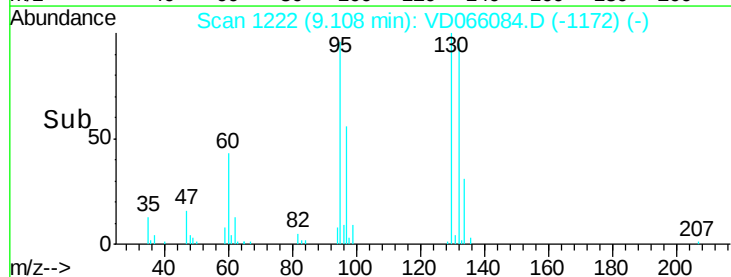
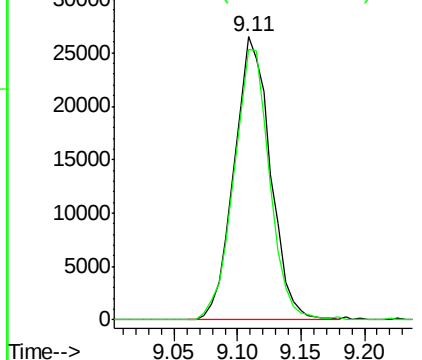


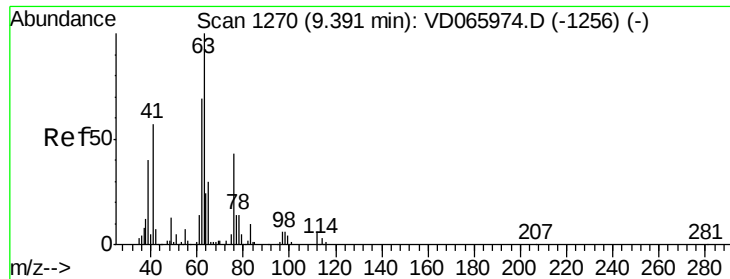
#44
Trichloroethene
Concen: 21.645 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	191.6



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





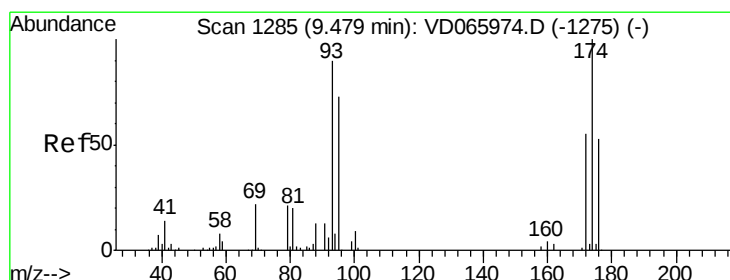
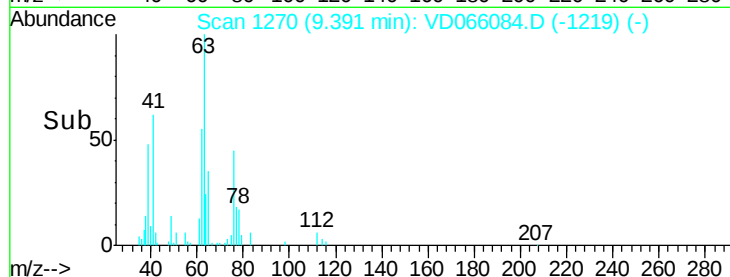
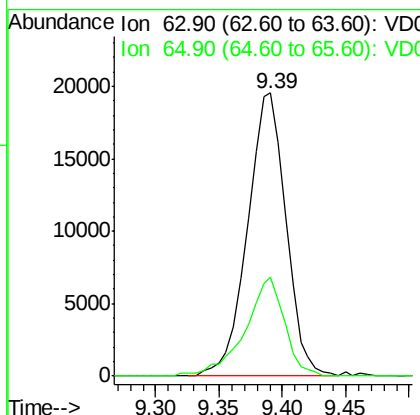
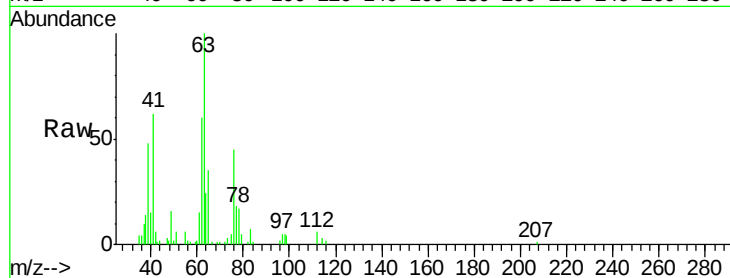
#45
 1,2-Dichloropropane
 Concen: 21.190 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion: 63 Resp: 41249
 Ion Ratio Lower Upper
 63 100
 65 35.2 24.0 36.0

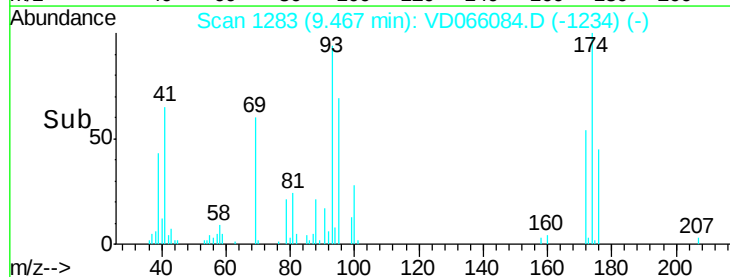
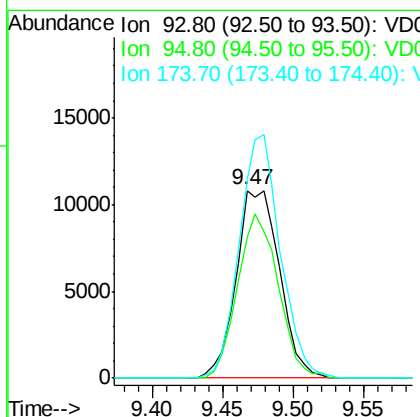
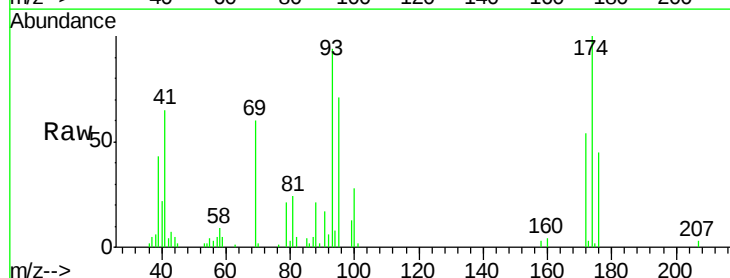
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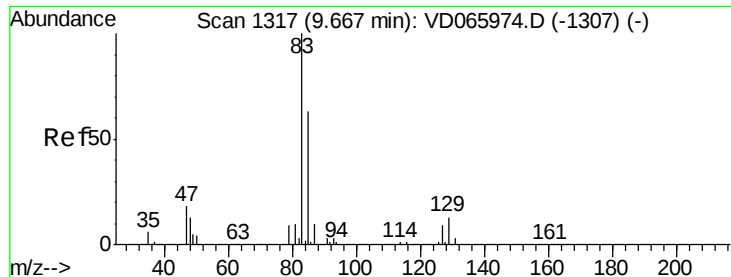
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#46
 Dibromomethane
 Concen: 22.272 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion: 93 Resp: 23339
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.4
 174 122.4 91.5 137.3





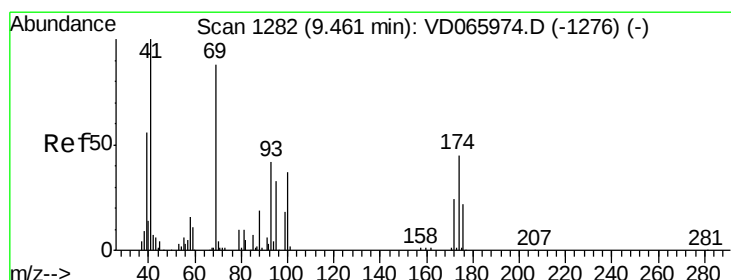
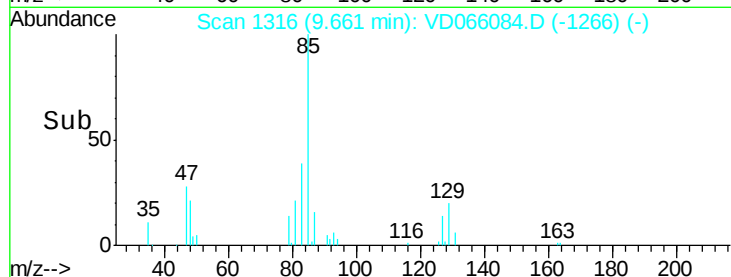
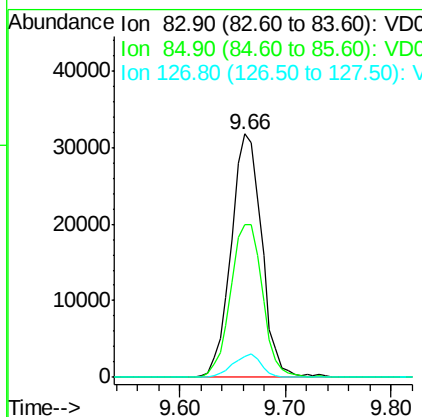
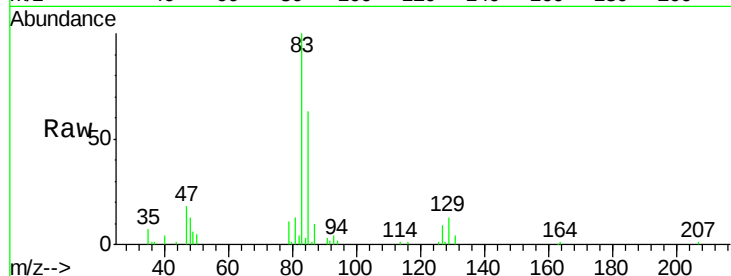
#47
Bromodichloromethane
Concen: 22.925 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.6	75.8
127	8.8	7.1	10.7

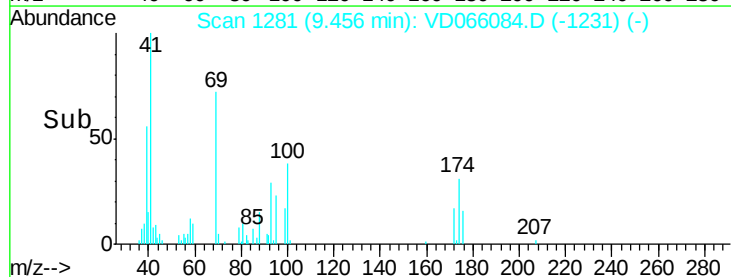
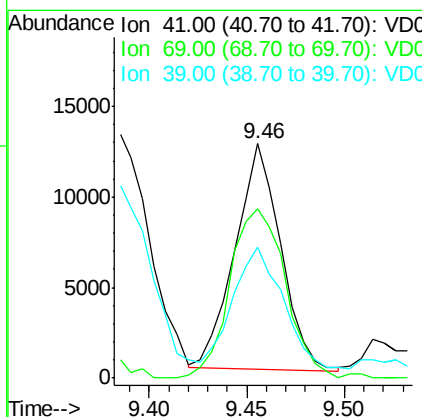
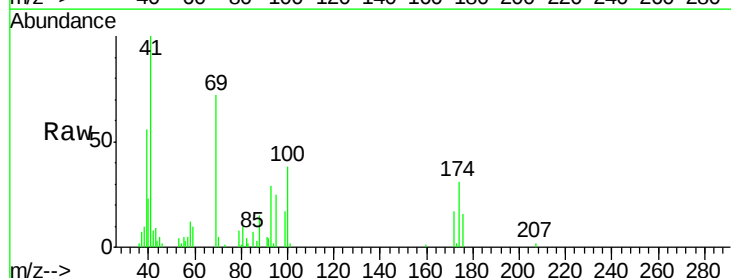
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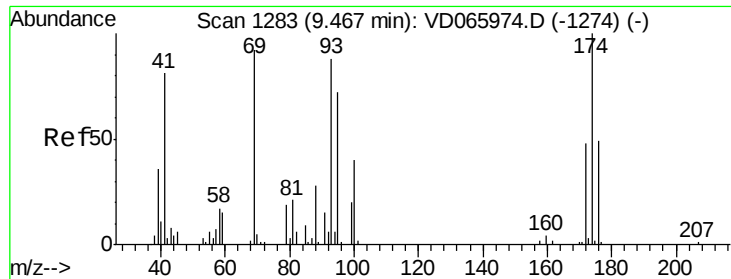
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#48
Methyl methacrylate
Concen: 18.777 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.5	65.1	97.7
39	60.1	41.5	62.3





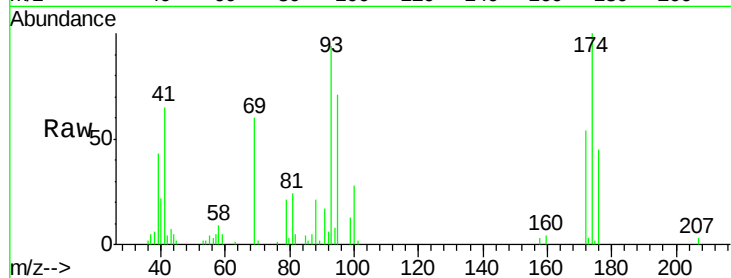
#49
1,4-Dioxane
Concen: 425.433 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

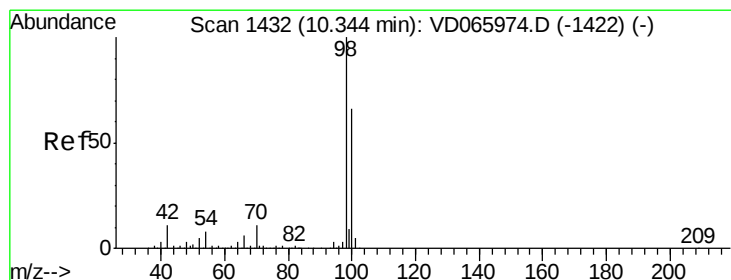
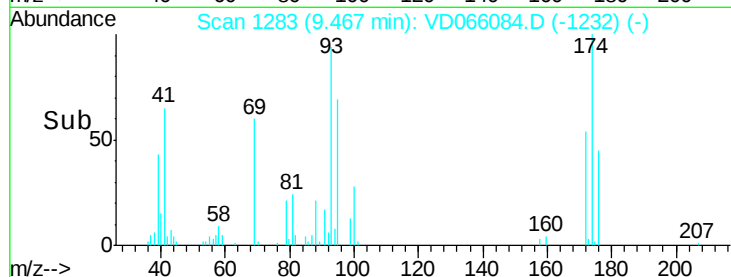
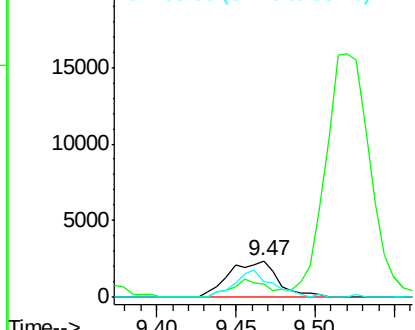
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	29.0	43.6
58	57.6	57.0	85.4

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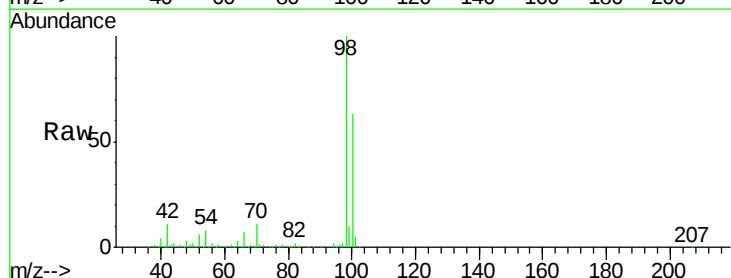


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

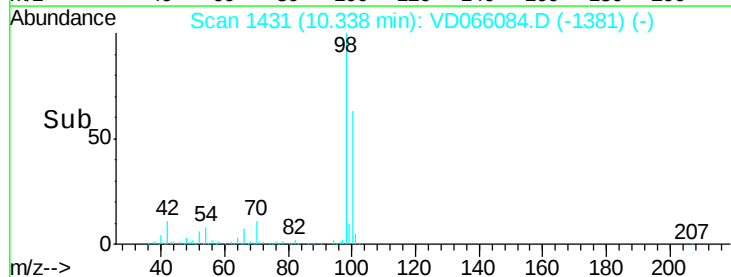
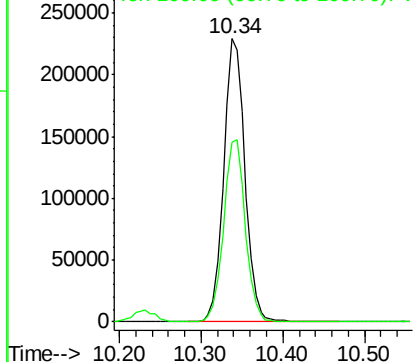


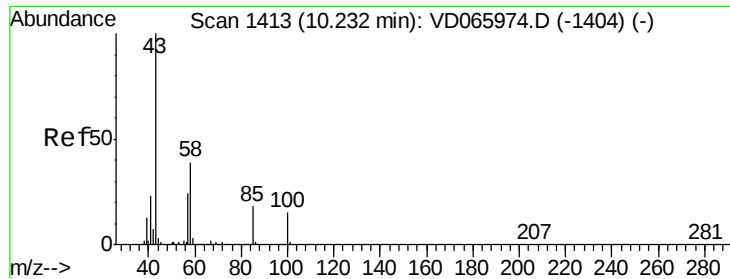
#50
Toluene-d8
Concen: 54.320 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1



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: 97.156 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 43 Resp: 104901

Ion Ratio Lower Upper

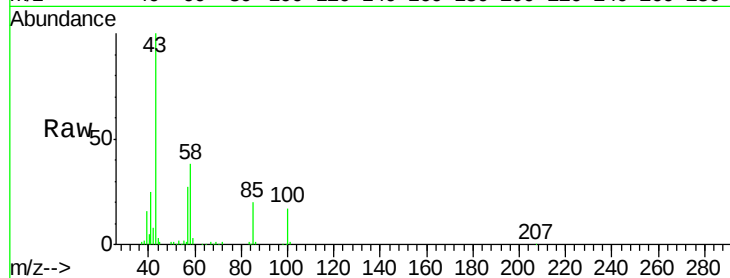
43 100

58 41.1 31.3 46.9

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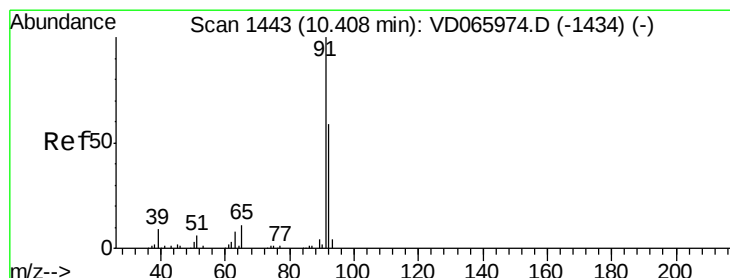
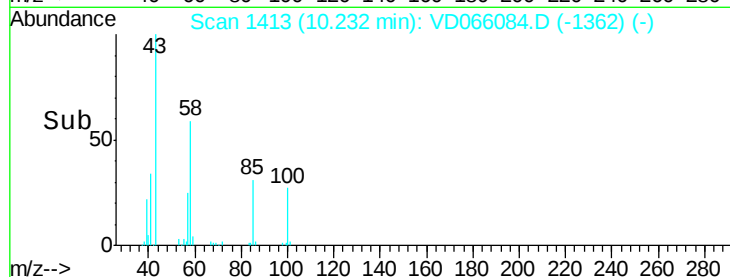
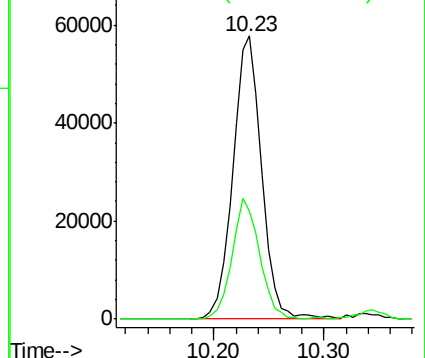
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.392 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD066084.D

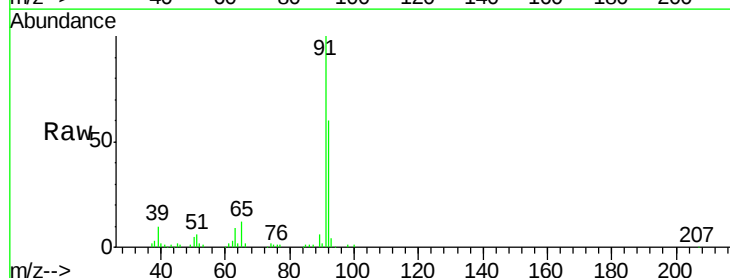
Acq: 29 Jul 2020 11:03

Tgt Ion: 92 Resp: 117365

Ion Ratio Lower Upper

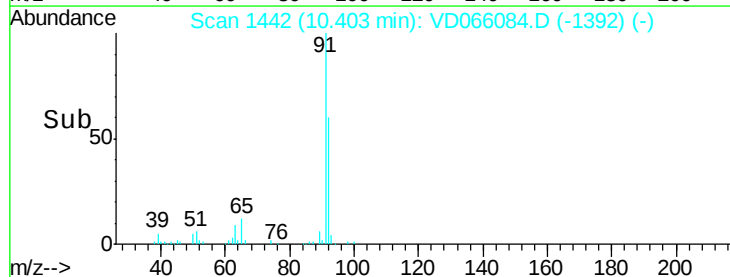
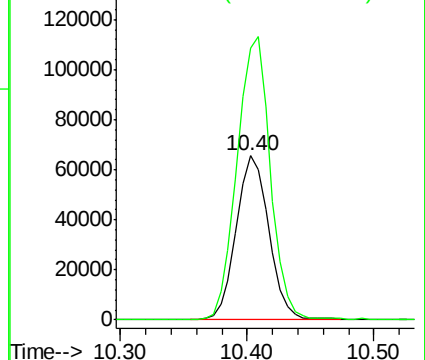
92 100

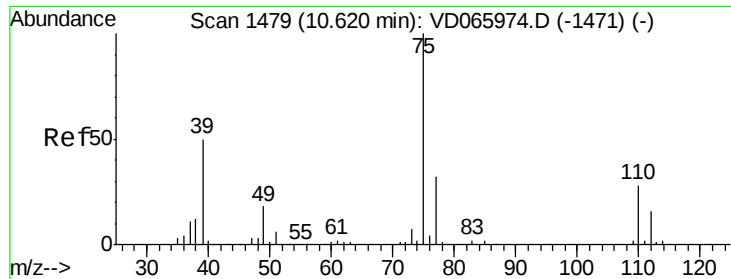
91 175.6 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





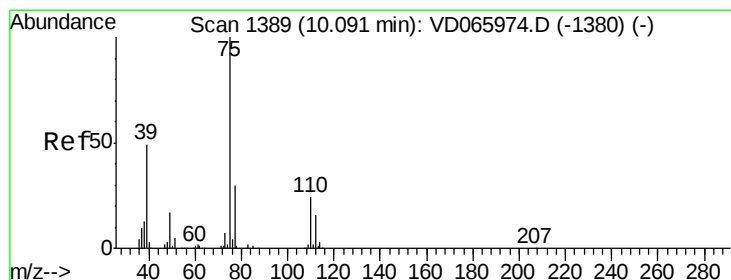
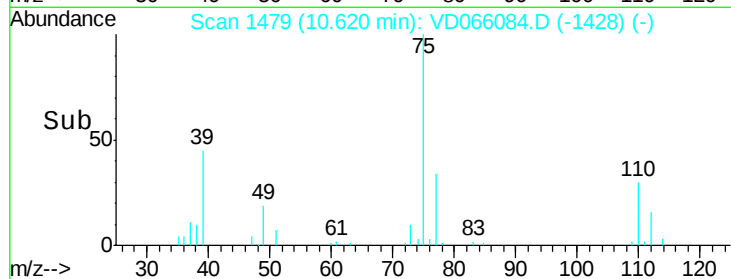
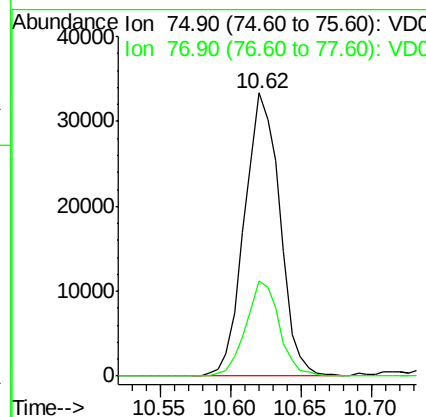
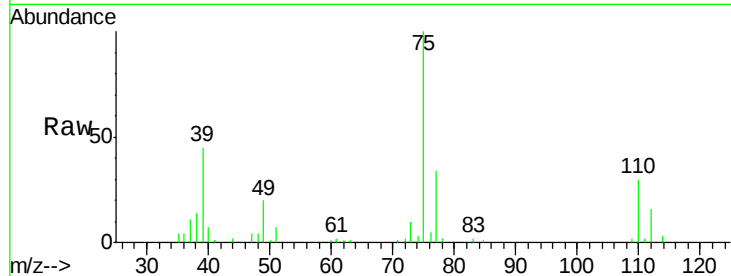
#53
 t-1,3-Dichloropropene
 Concen: 22.794 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	33.6	25.8	38.6	

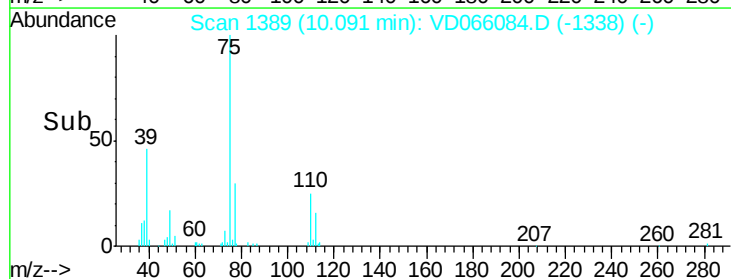
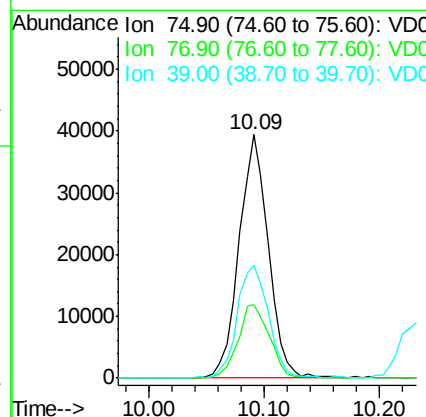
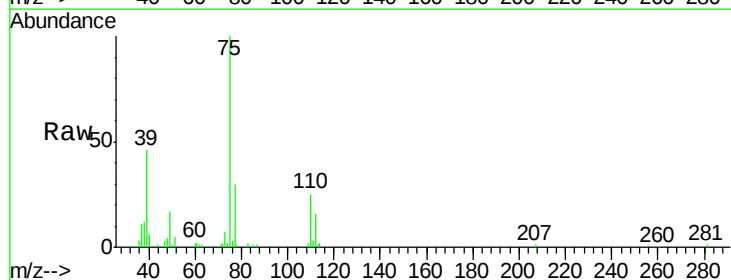
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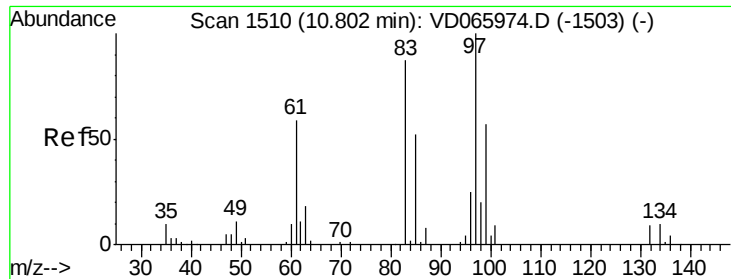
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#54
 cis-1,3-Dichloropropene
 Concen: 22.123 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion	Ion	Ratio	Lower	Upper
75	100			
77	30.0	23.8	35.8	
39	46.5	38.8	58.2	





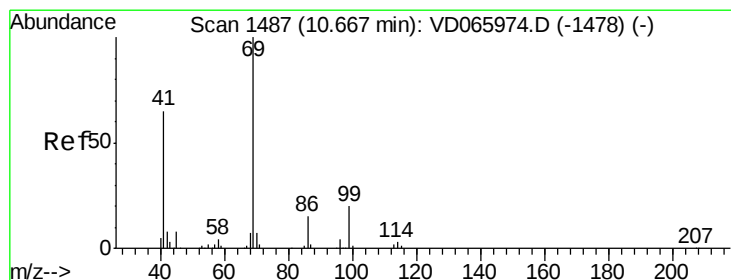
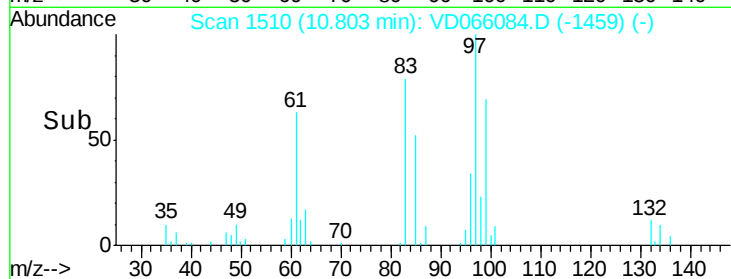
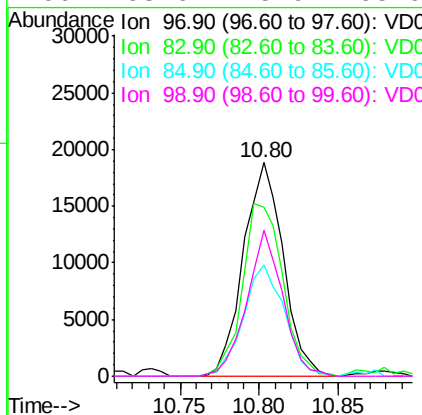
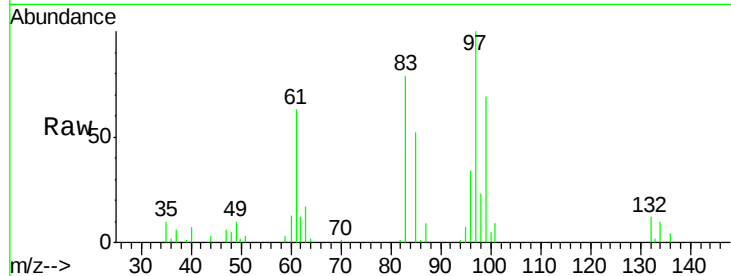
#55
 1,1,2-Trichloroethane
 Concen: 22.161 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	97	Resp	32936
Ion	Ratio	Lower	Upper
97	100		
83	79.0	69.7	104.5
85	52.1	41.6	62.4
99	68.6	45.9	68.9

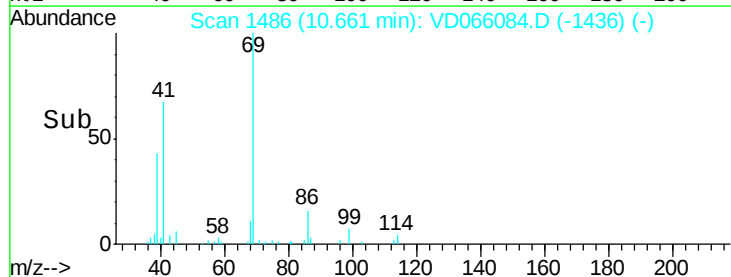
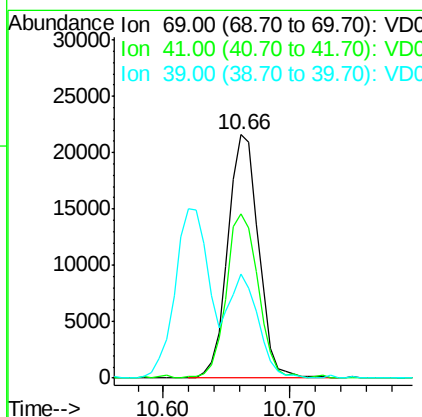
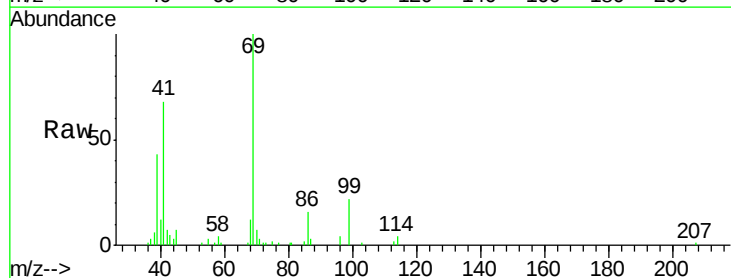
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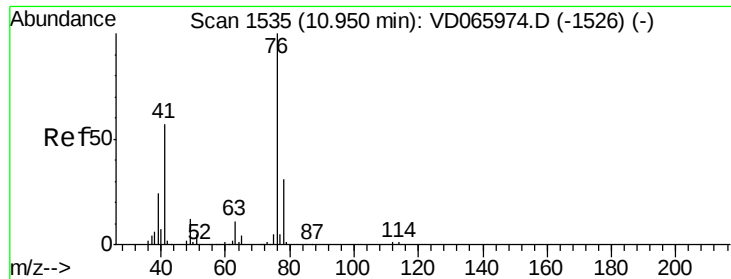
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#56
 Ethyl methacrylate
 Concen: 20.954 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion	69	Resp	36207
Ion	Ratio	Lower	Upper
69	100		
41	69.9	52.3	78.5
39	41.5	25.2	37.8#





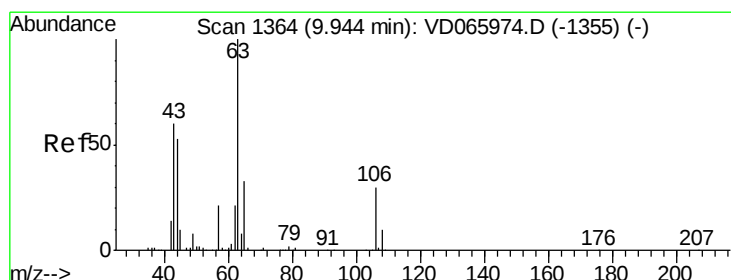
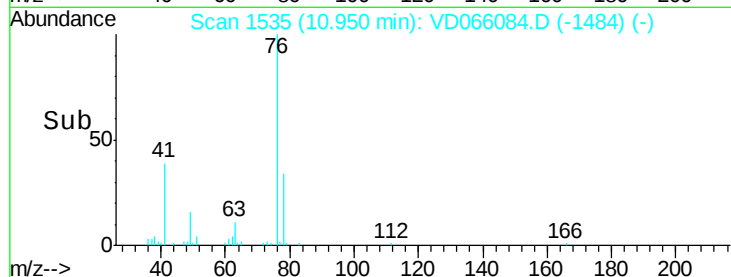
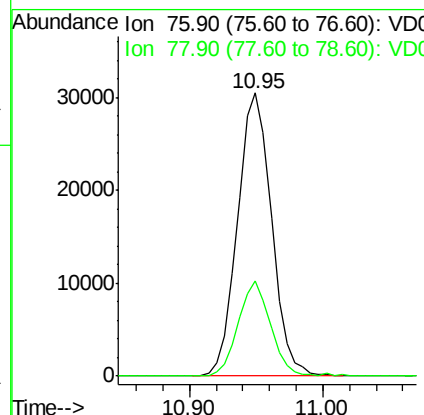
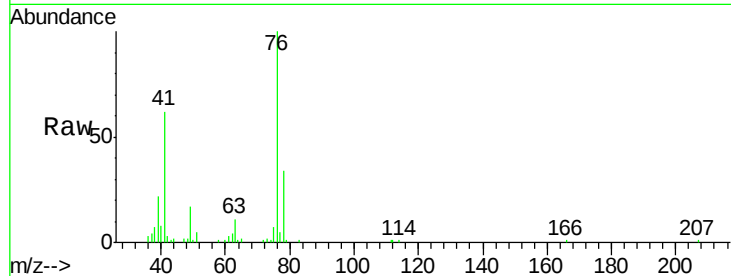
#57
 1,3-Dichloropropane
 Concen: 21.898 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion: 76 Resp: 53876
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4

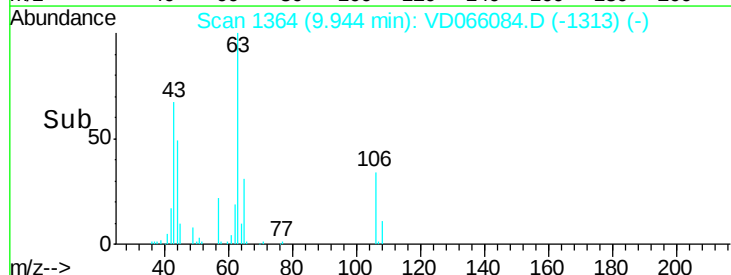
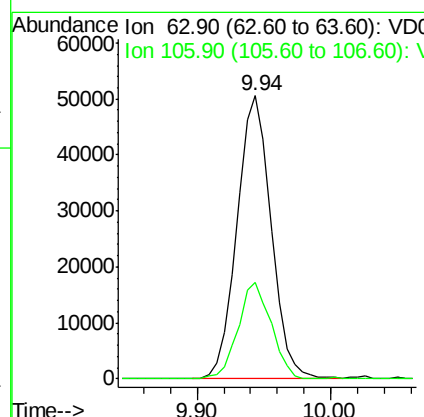
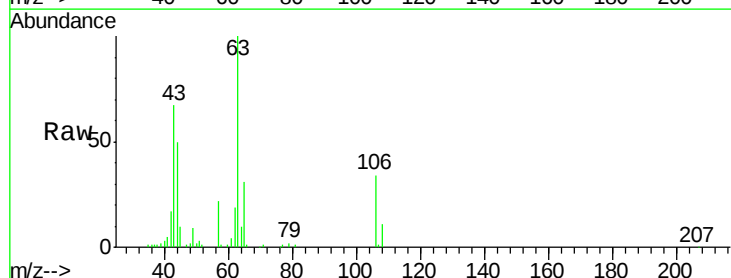
Manual Integrations
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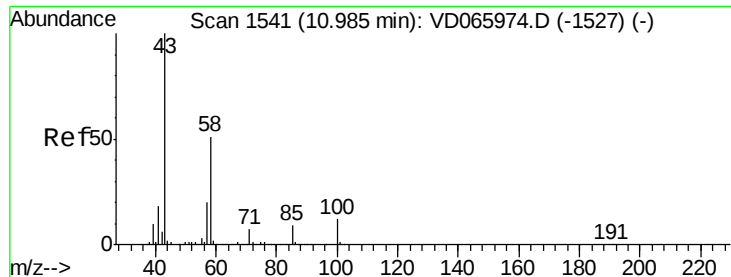
MMDadoda
 7/30/2020 6:19:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.609 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion: 63 Resp: 89650
 Ion Ratio Lower Upper
 63 100
 106 33.1 24.4 36.6





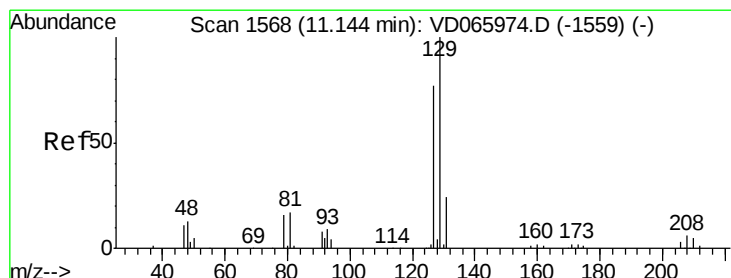
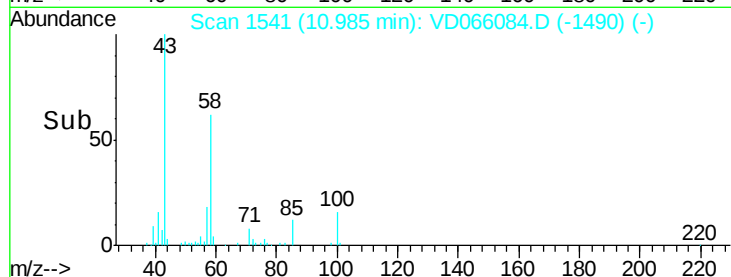
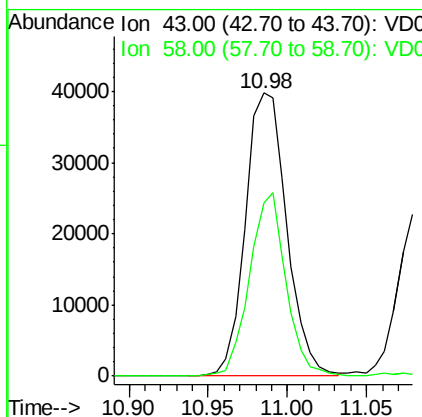
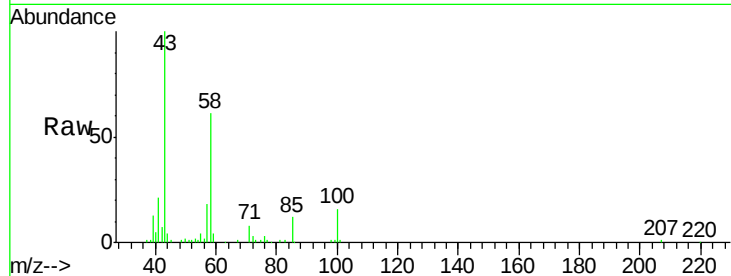
#59
2-Hexanone
Concen: 96.239 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion: 43 Resp: 72009
Ion Ratio Lower Upper
43 100
58 57.2 26.2 78.6

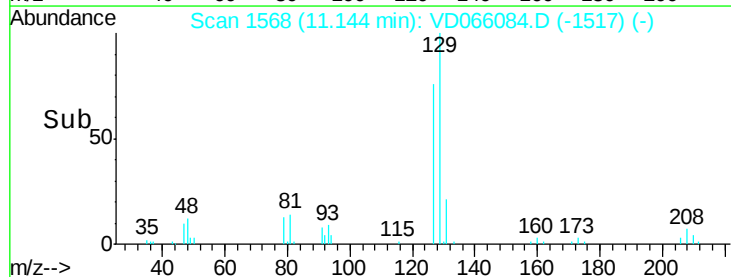
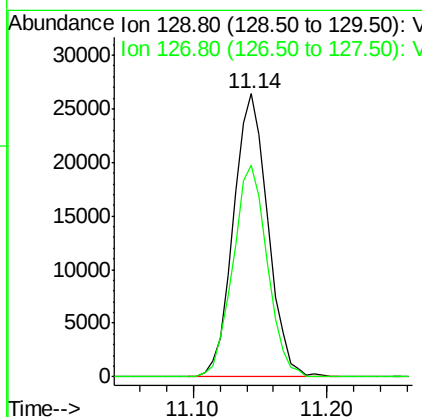
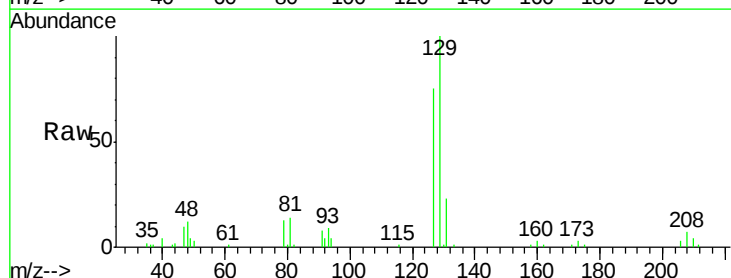
Manual Integrations
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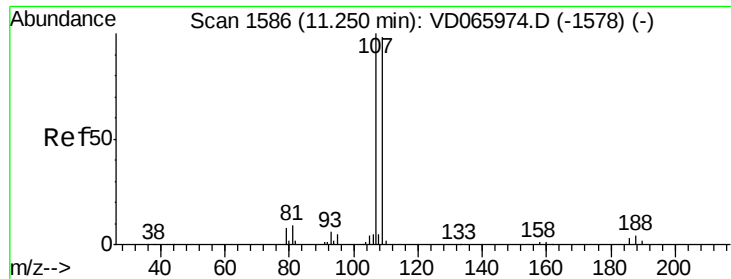
MMDadoda
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#60
Dibromochloromethane
Concen: 23.591 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 129 Resp: 47272
Ion Ratio Lower Upper
129 100
127 74.4 38.6 115.7





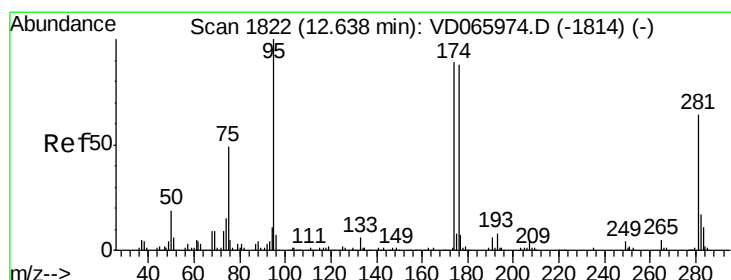
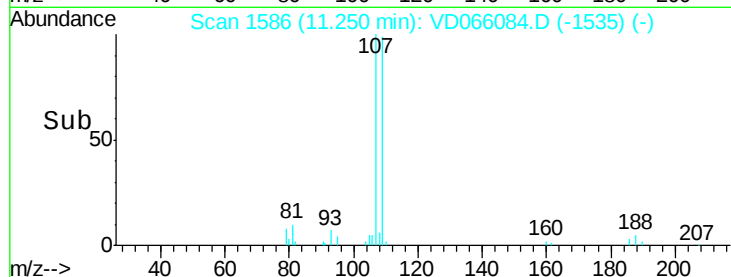
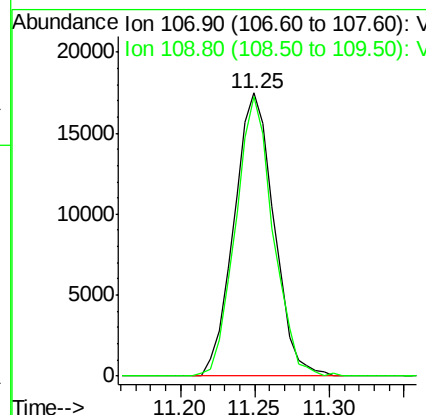
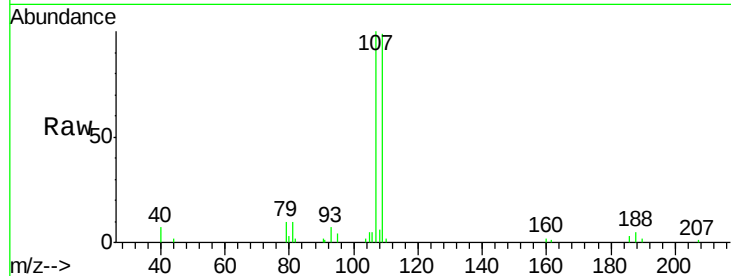
#61
 1,2-Dibromoethane
 Concen: 22.664 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion: 107 Resp: 32477
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.0 112.4

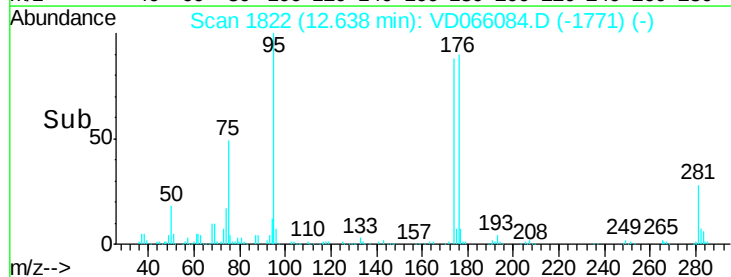
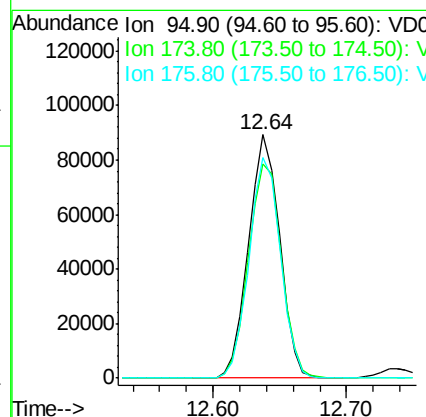
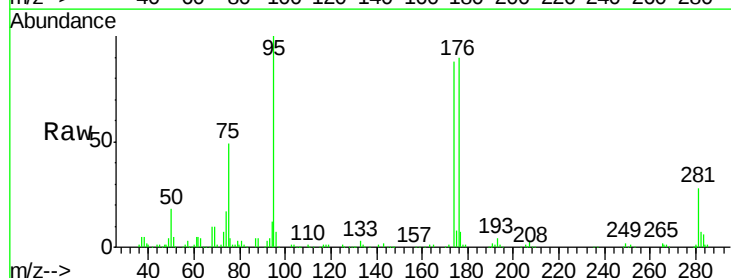
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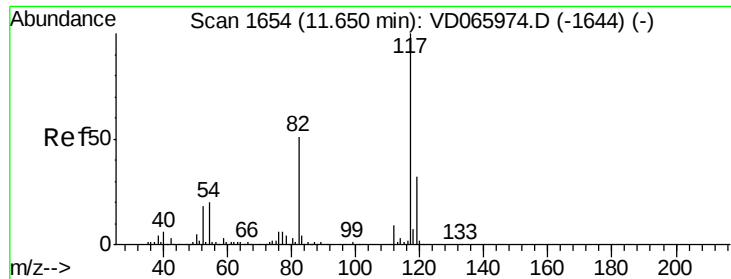
MMDadoda
 7/30/2020 6:19:39 PM



#62
 4-Bromofluorobenzene
 Concen: 54.560 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion: 95 Resp: 143888
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 178.8
 176 91.2 0.0 172.6





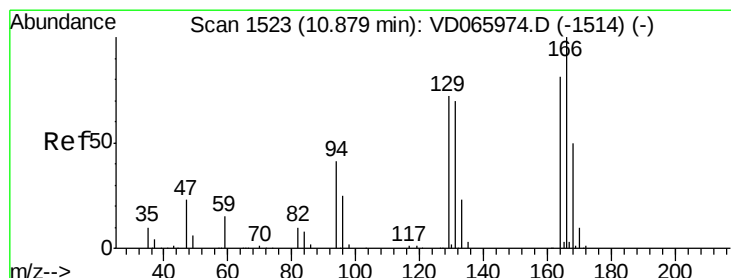
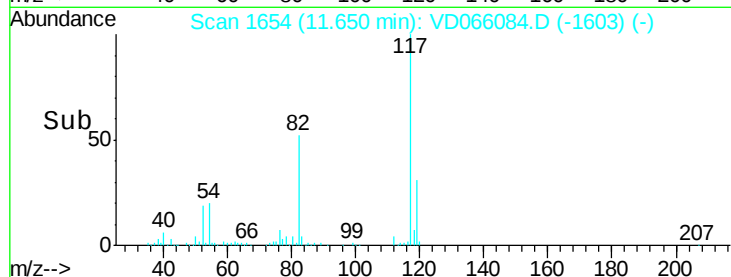
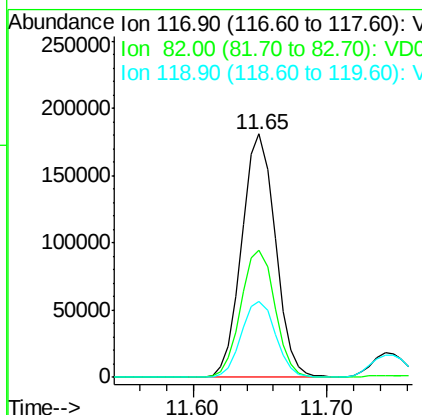
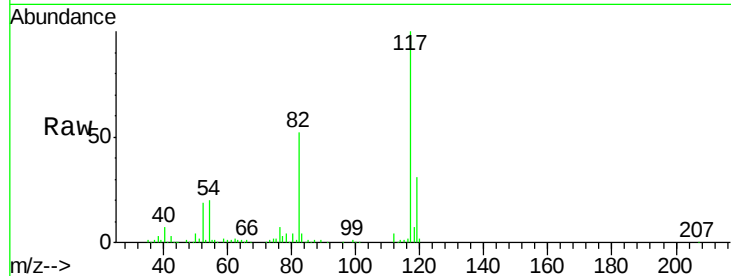
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	315789		
82	52.1		41.1	61.7
119	31.4		25.9	38.9

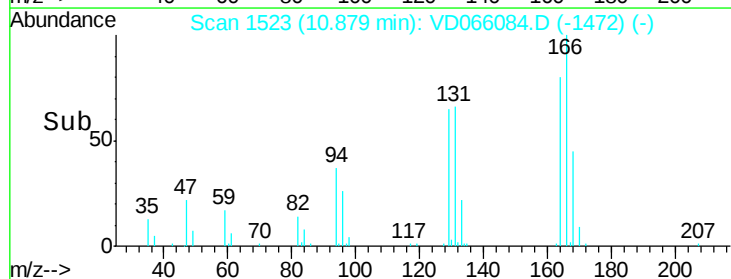
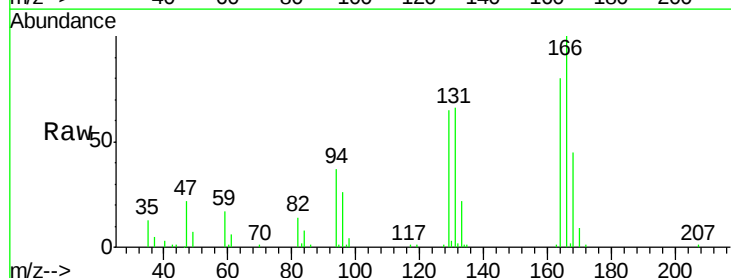
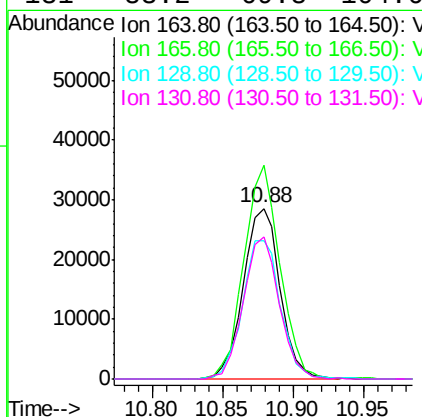
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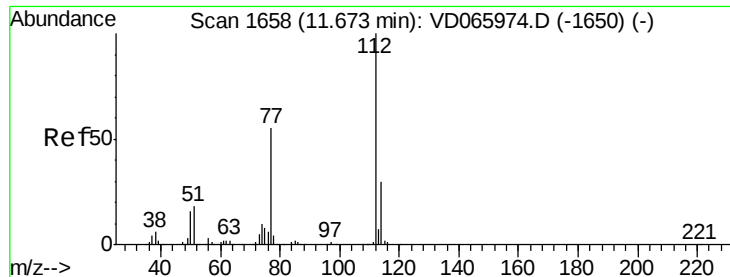
MMDadoda
7/30/2020 6:19:39 PM



#64
Tetrachloroethene
Concen: 24.299 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52081		
166	125.4		99.1	148.7
129	81.1		71.5	107.3
131	83.2		69.8	104.6





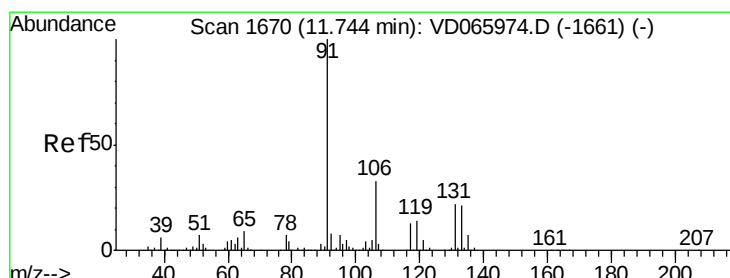
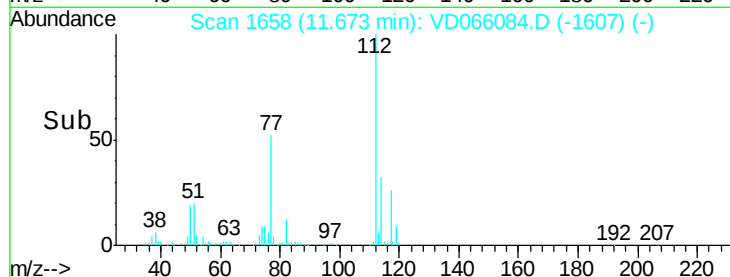
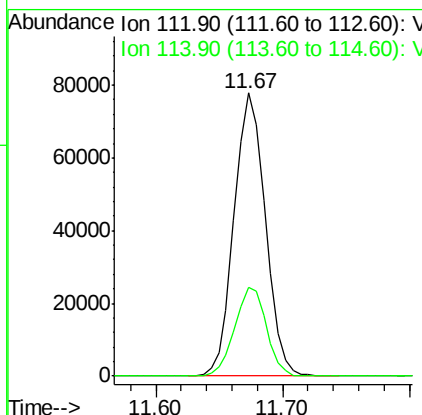
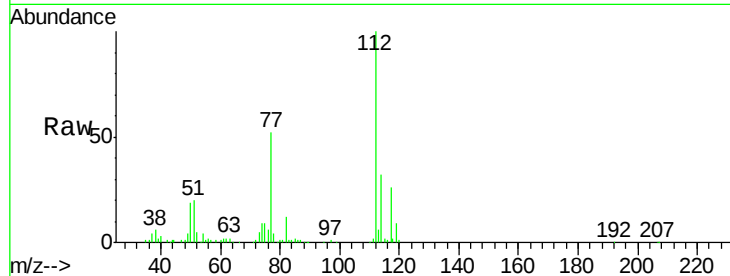
#65
Chlorobenzene
Concen: 23.003 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.4	36.6

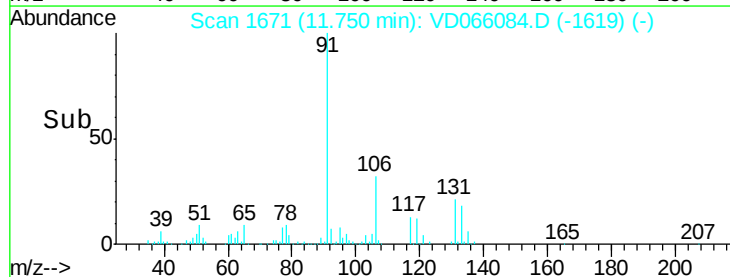
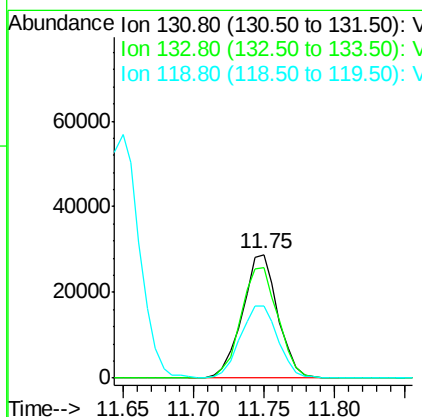
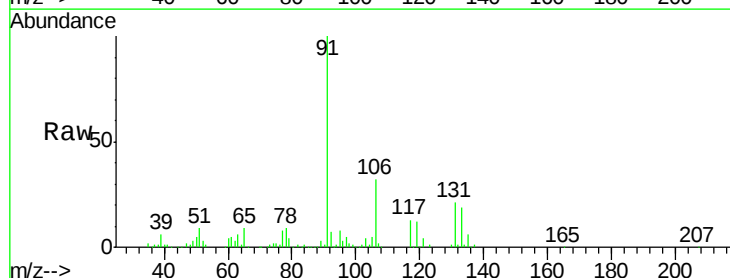
Manual Integrations
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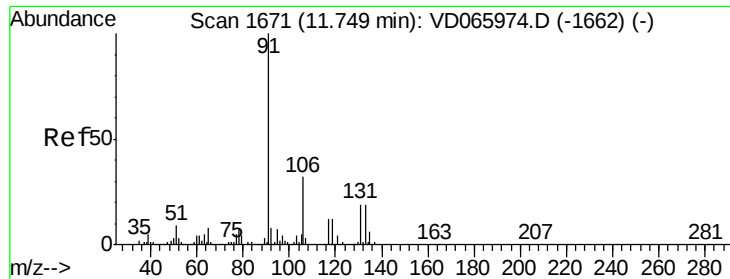
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.701 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.3	142.0
119	62.2	31.7	95.1





#67

Ethyl Benzene

Concen: 22.834 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 91 Resp: 227199

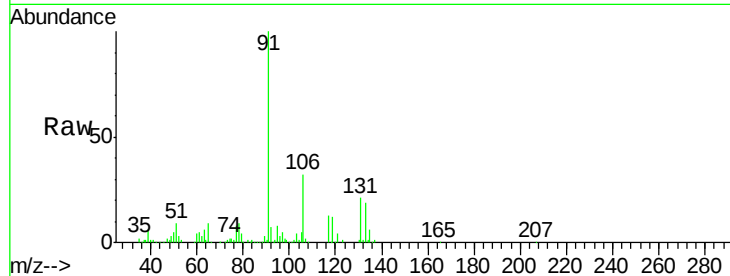
Ion Ratio Lower Upper

91 100

106 32.2 25.7 38.5

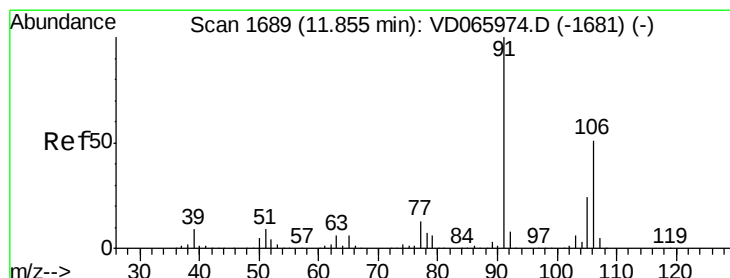
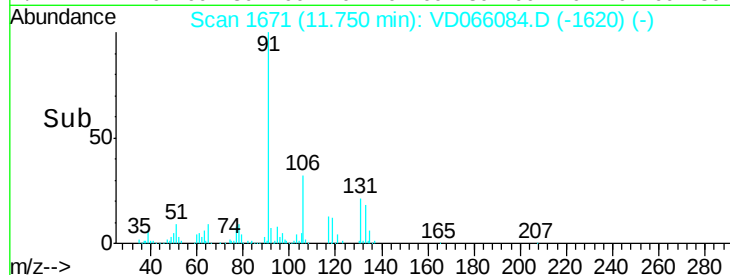
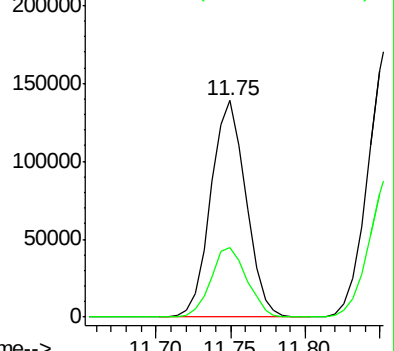
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 47.411 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066084.D

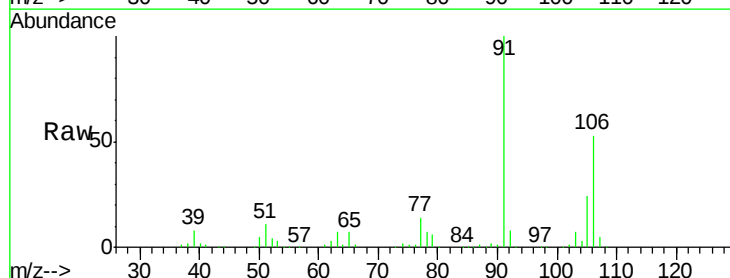
Acq: 29 Jul 2020 11:03

Tgt Ion: 106 Resp: 181321

Ion Ratio Lower Upper

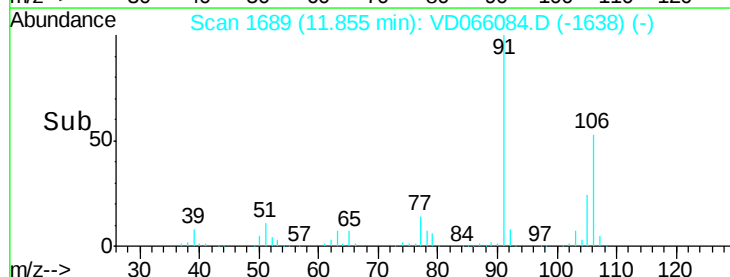
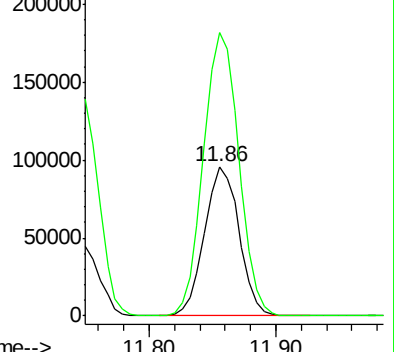
106 100

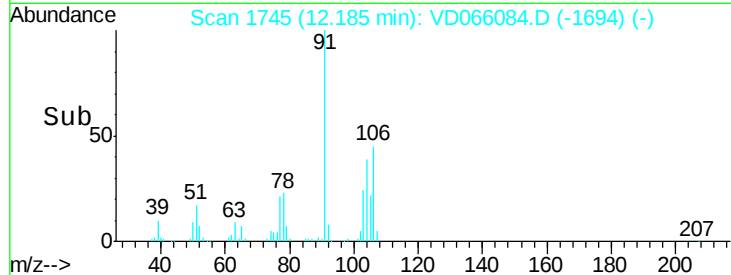
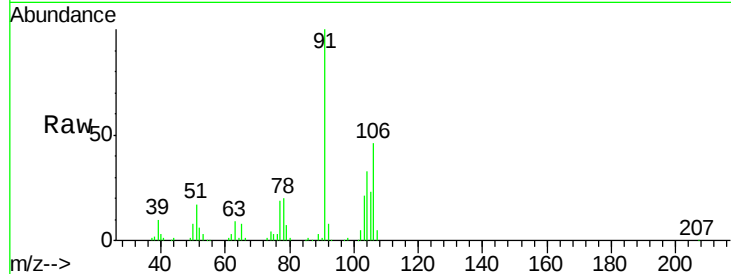
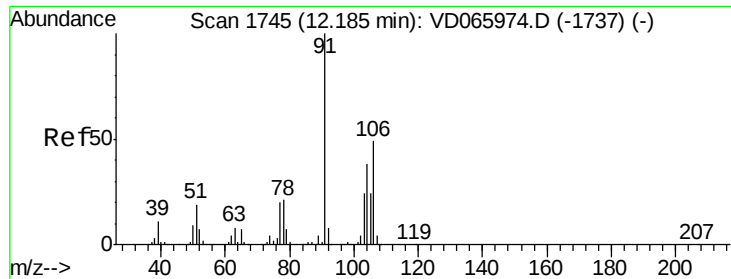
91 194.1 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VD0





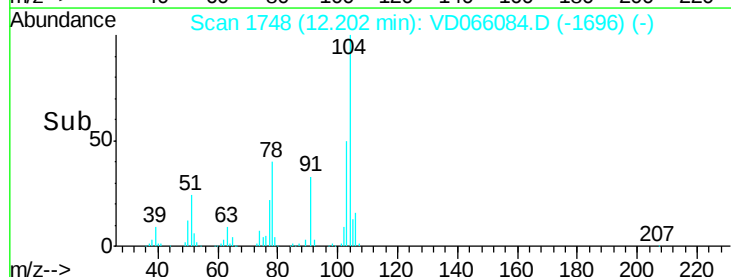
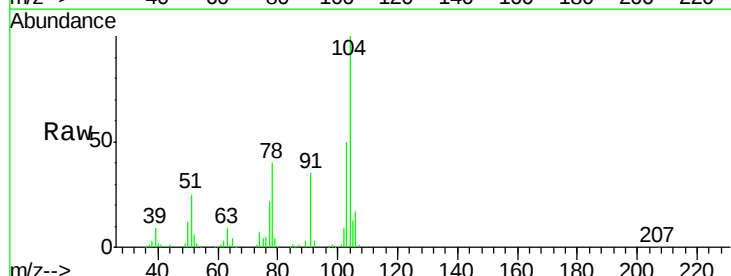
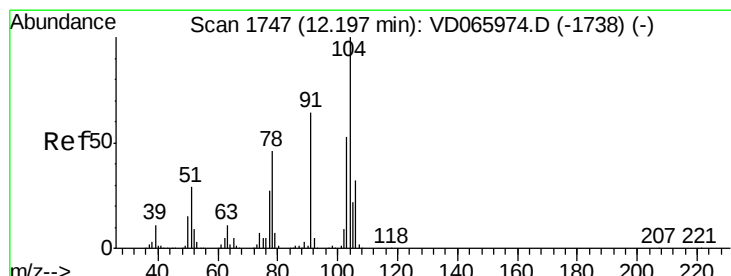
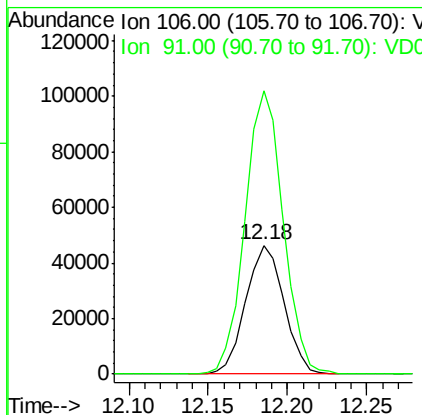
#69
o-Xylene
Concen: 22.369 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tot Ion:106 Resp: 77811
Ion Ratio Lower Upper
106 100
91 218.5 103.1 309.3

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

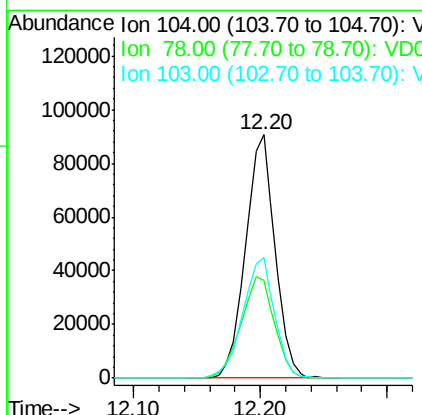
Manual Integrations
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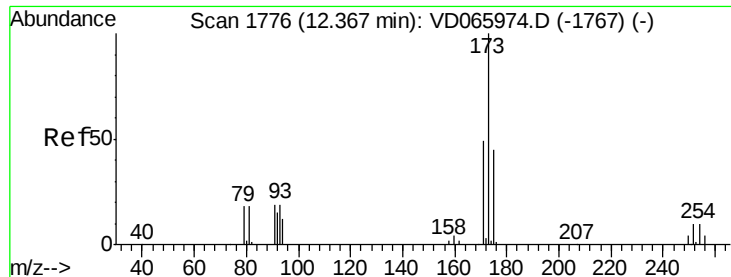
MMDadoda
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#70
Styrene
Concen: 24.545 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion:104 Resp: 146696
Ion Ratio Lower Upper
104 100
78 47.2 38.3 57.5
103 53.3 43.8 65.8





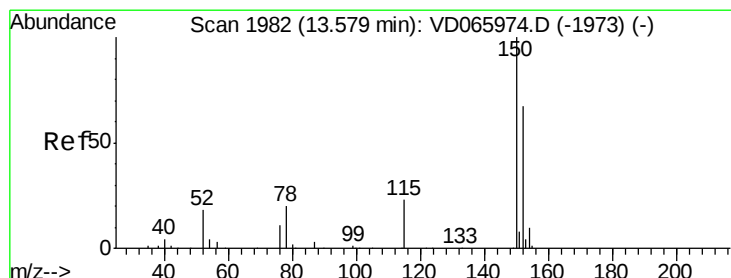
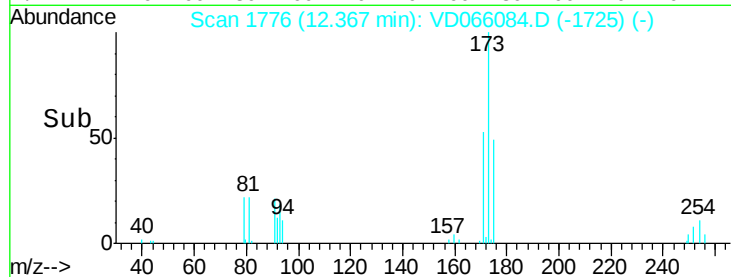
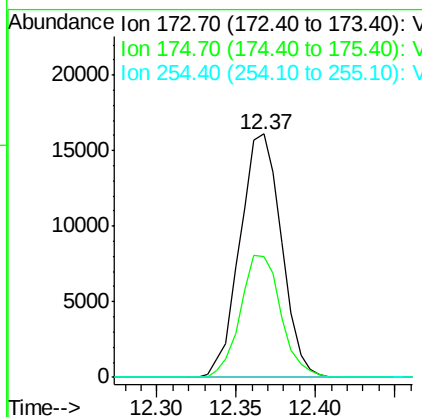
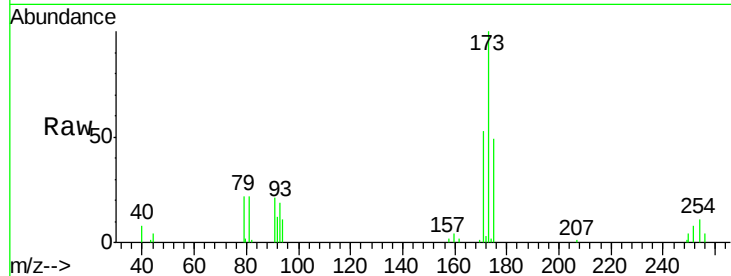
#71
Bromoform
Concen: 23.454 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.0	0.0	0.0

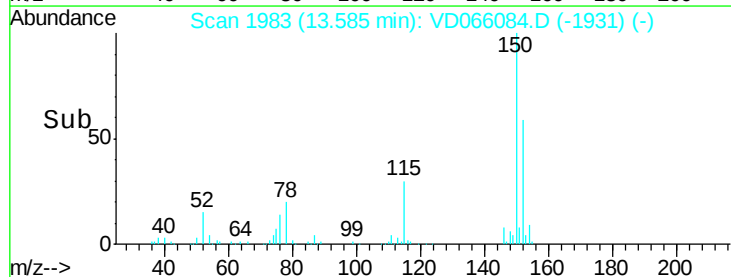
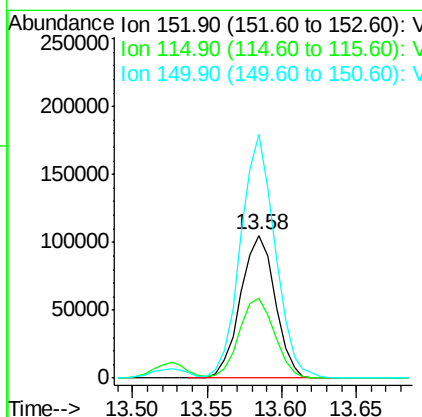
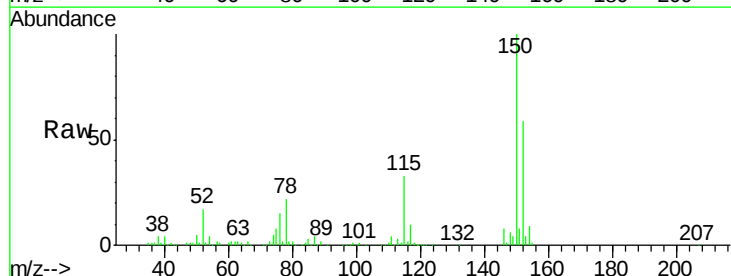
Manual Integrations
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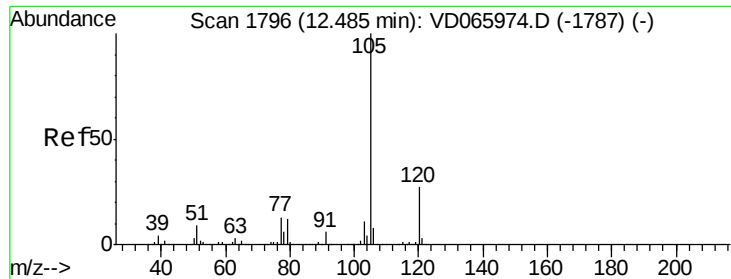
MMDadoda
7/30/2020 6:19:39 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	27.9	83.7
150	169.1	0.0	348.2





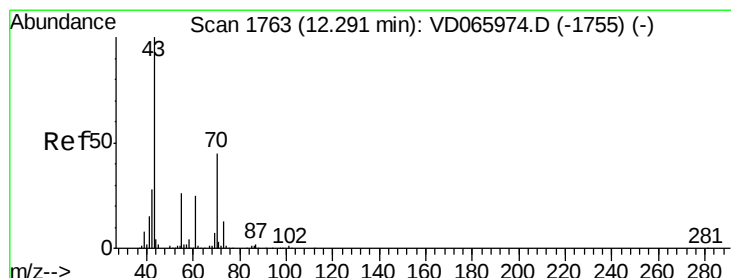
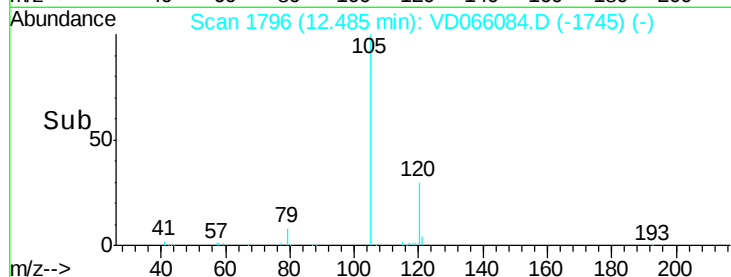
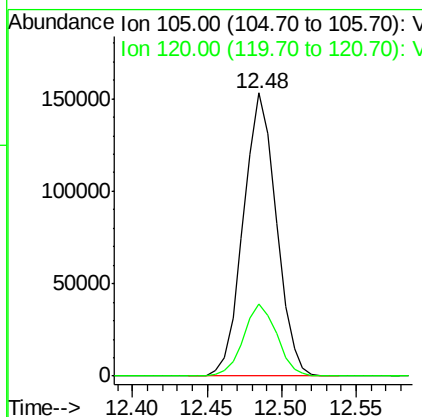
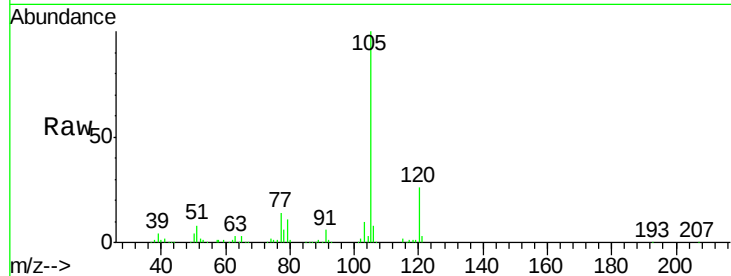
#73
Isopropylbenzene
Concen: 22.774 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.6	40.8

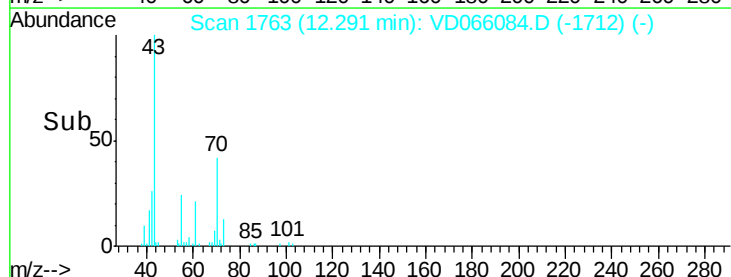
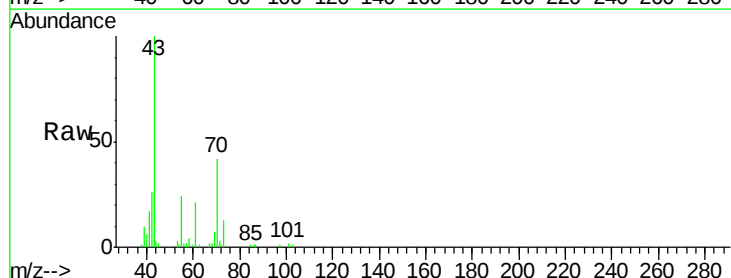
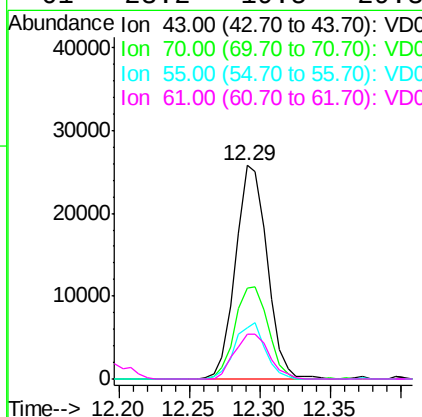
Manual Integrations
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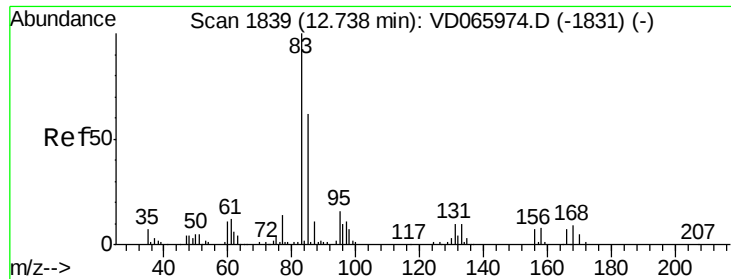
MMDadoda
7/30/2020 6:19:39 PM



#74
N-ethyl acetate
Concen: 18.953 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.1	34.6	51.8
55	24.9	20.3	30.5
61	23.2	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.600 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

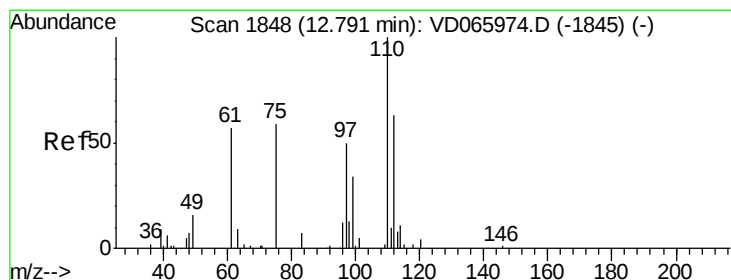
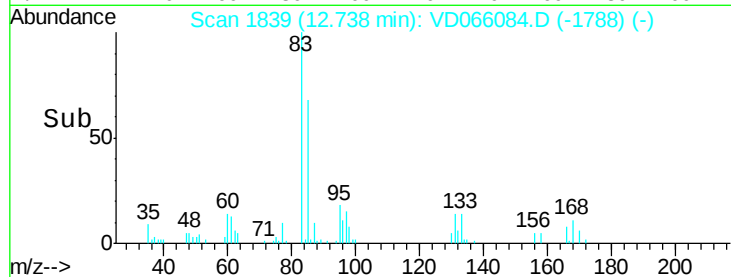
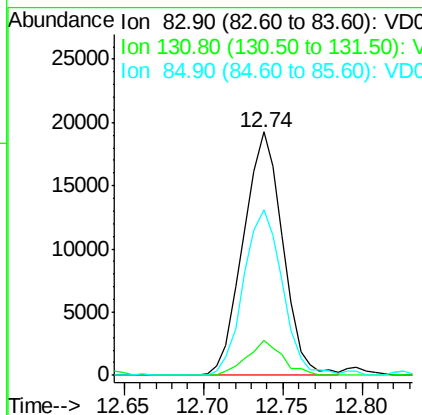
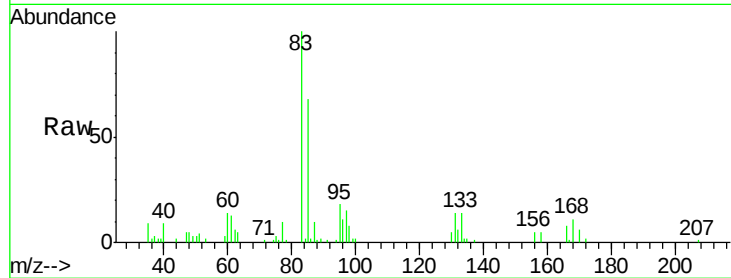
ClientSampleId :

VD0729SBS01

Tot Ion	83	Resp	33324
Ion Ratio	100	Lower	Upper
83	100		
131	13.0	5.7	17.1
85	66.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 20.146 ug/l m

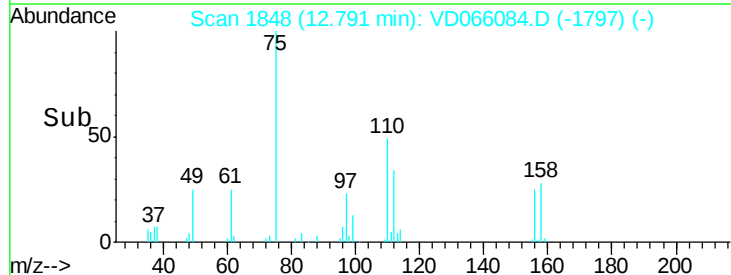
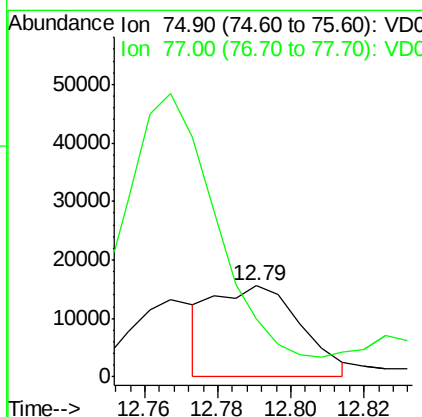
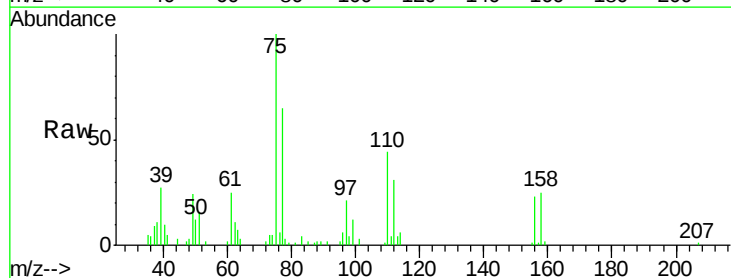
RT: 12.79 min Scan# 1848

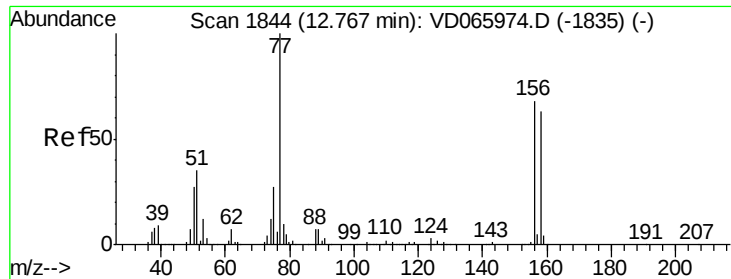
Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Tgt Ion	75	Resp	25790
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.624 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

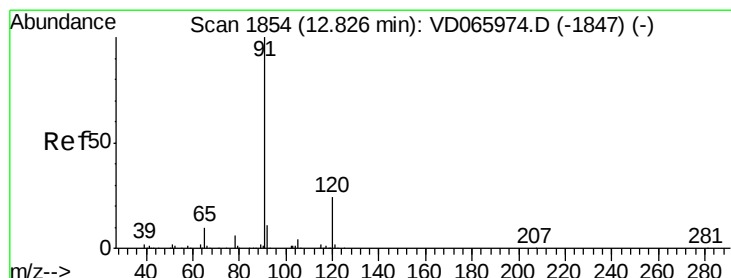
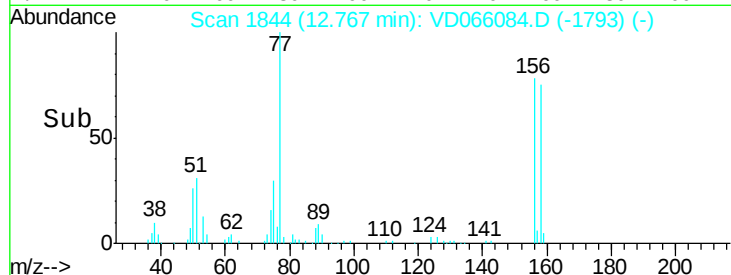
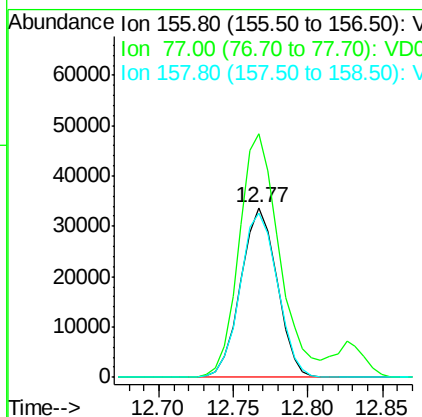
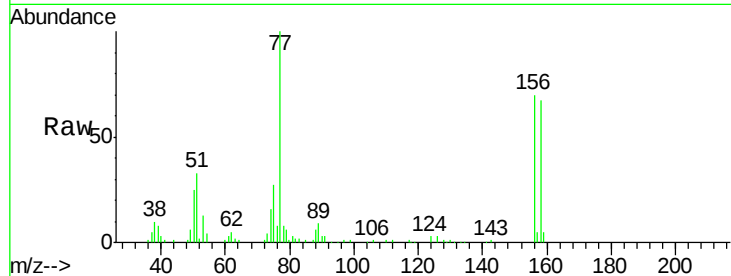
ClientSampleId :

VD0729SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.1	83.0	249.0
158	99.8	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 22.745 ug/l

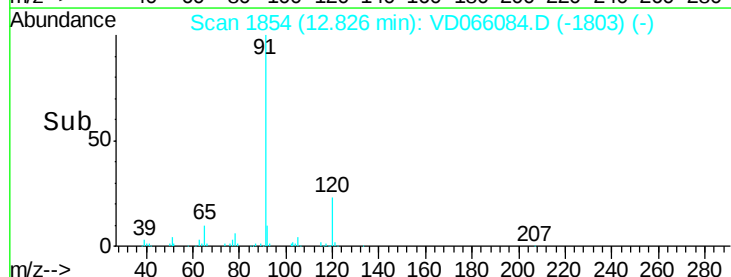
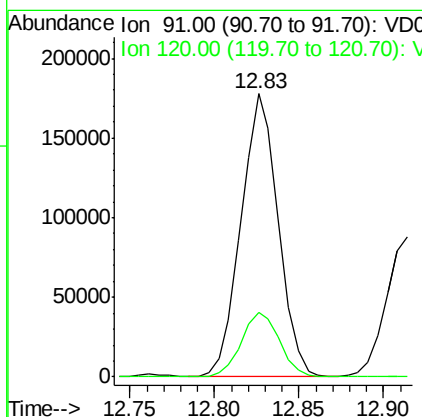
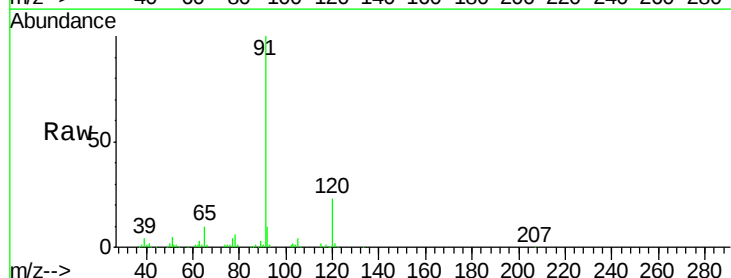
RT: 12.83 min Scan# 1854

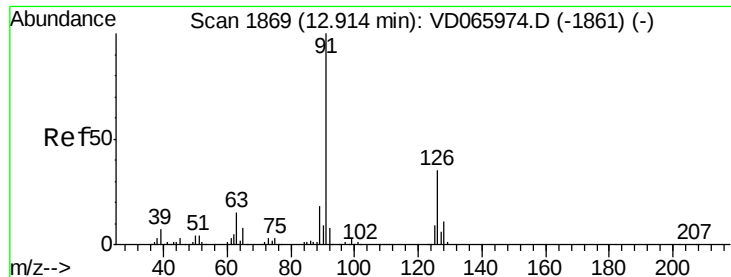
Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	12.0	36.0





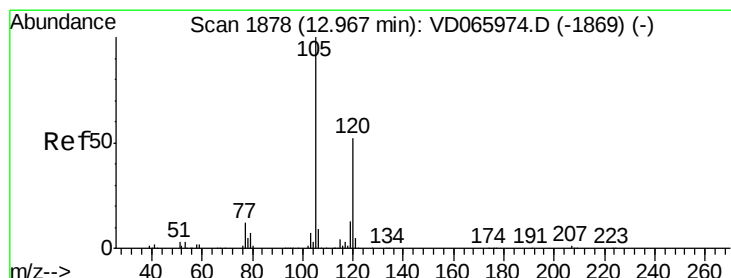
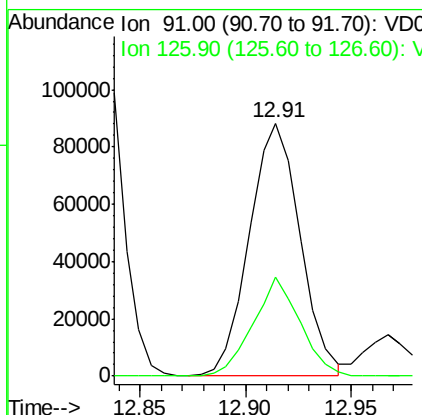
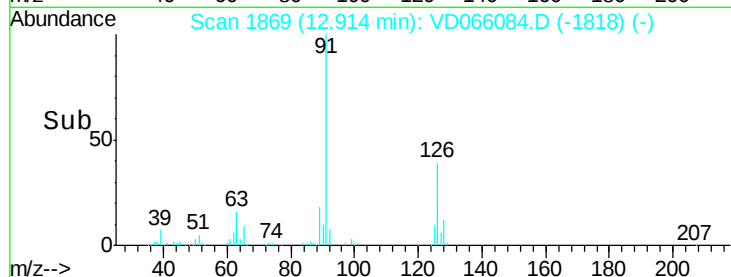
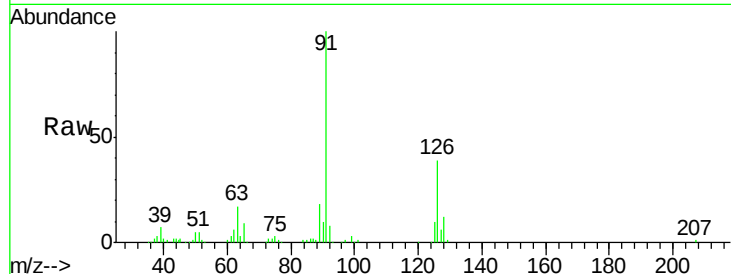
#79
 2-Chlorotoluene
 Concen: 21.624 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion: 91 Resp: 147478
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.7 53.1

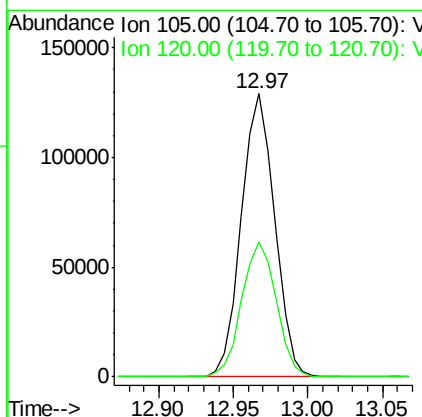
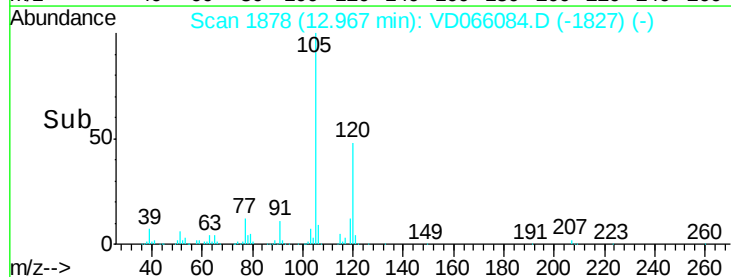
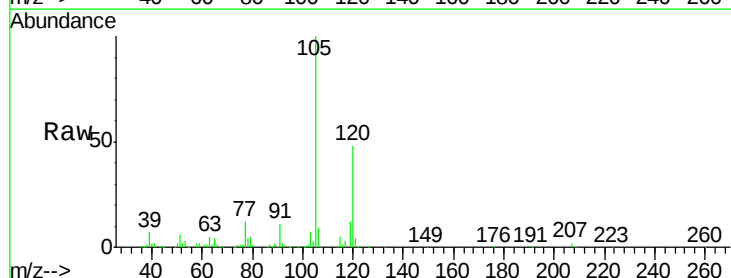
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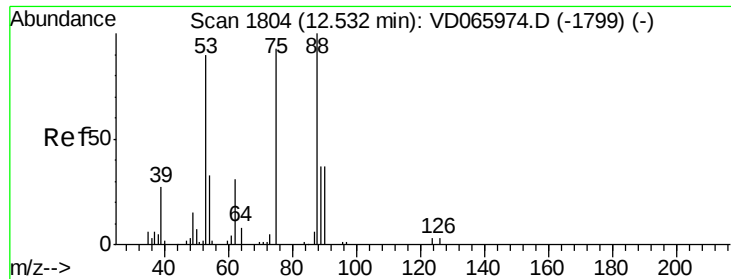
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.664 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion: 105 Resp: 200012
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.712 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

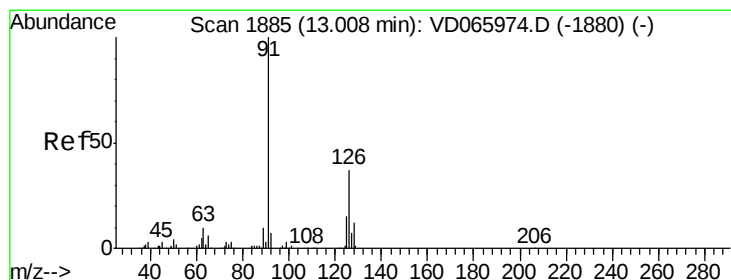
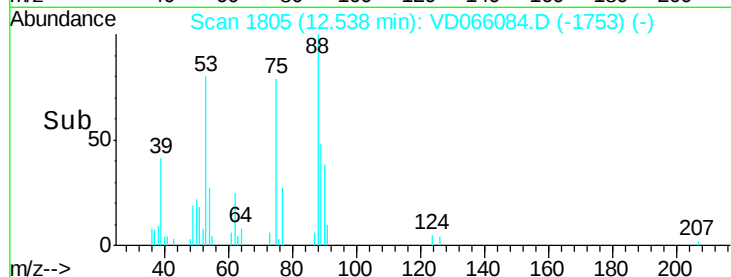
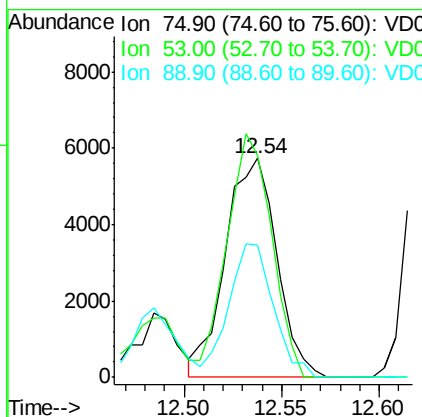
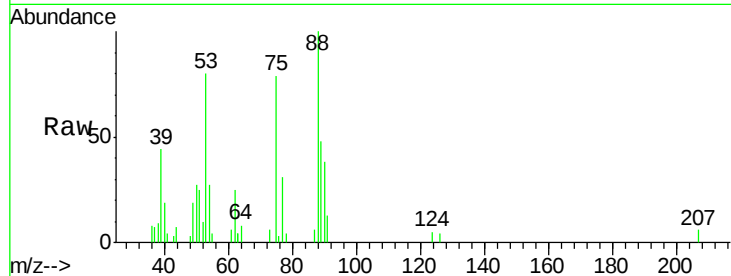
ClientSampleId :

VD0729SBS01

Tot Ion:	75	Resp:	10439
Ion	Ratio	Lower	Upper
75	100		
53	96.3	76.8	115.2
89	53.0	37.0	55.4

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#82

4-Chlorotoluene

Concen: 21.964 ug/l

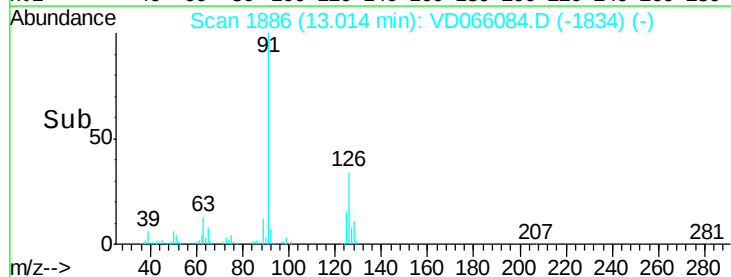
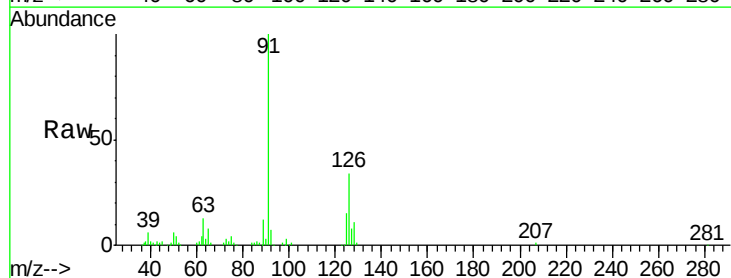
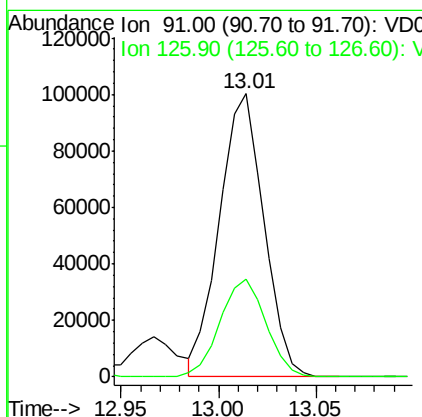
RT: 13.01 min Scan# 1886

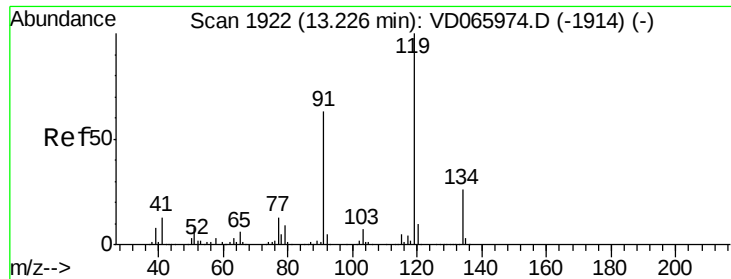
Delta R.T. 0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Tgt Ion:	91	Resp:	158110
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.5





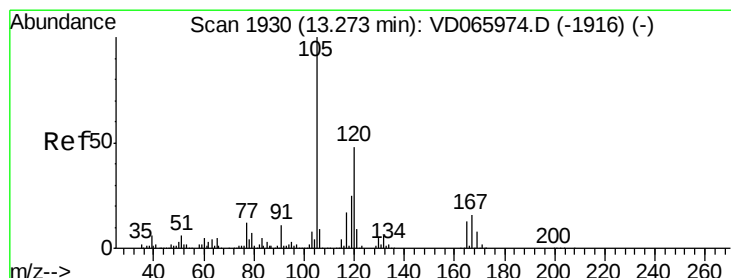
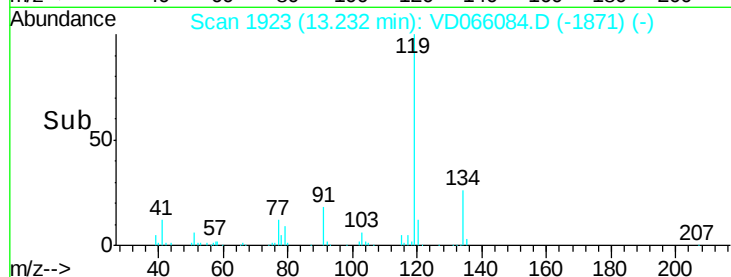
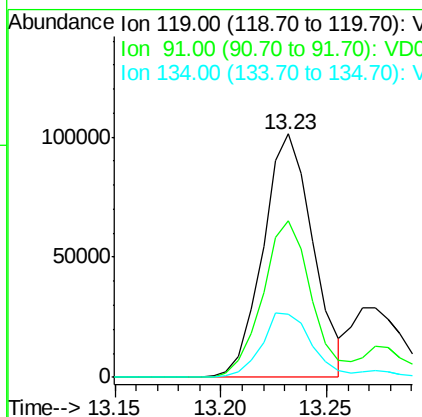
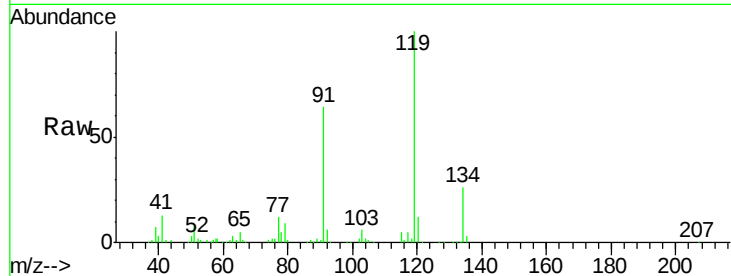
#83
tert-Butylbenzene
Concen: 22.500 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166412		
91	63.4	30.6	91.6	
134	26.6	13.9	41.7	

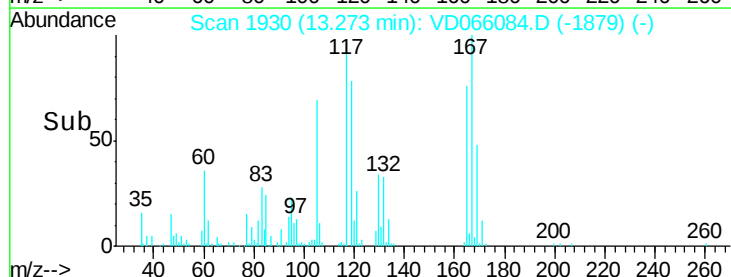
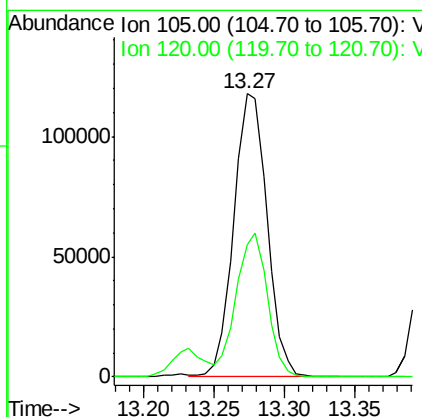
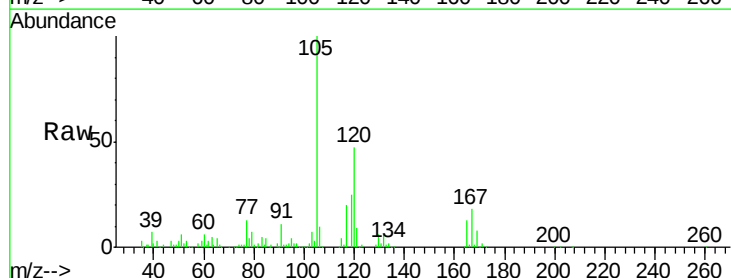
Manual Integrations
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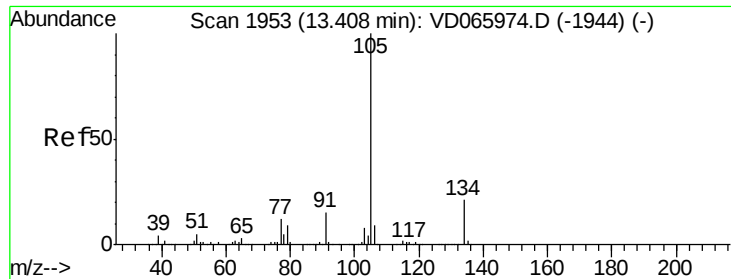
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#84
1,2,4-Trimethylbenzene
Concen: 23.304 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	194324		
120	47.6	23.9	71.8	





#85

sec-Butylbenzene

Concen: 22.829 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion:105 Resp: 232566

Ion Ratio Lower Upper

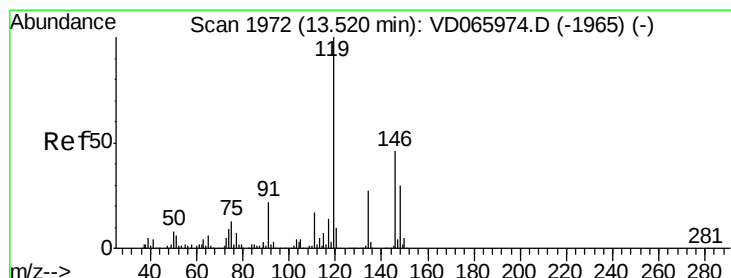
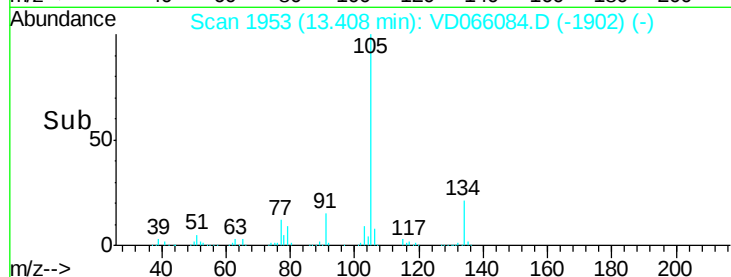
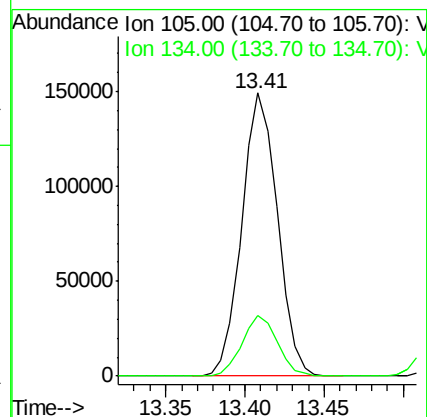
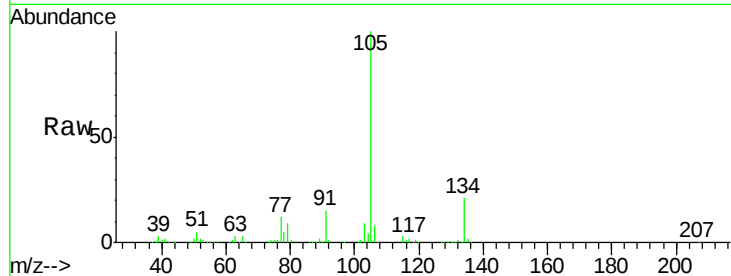
105 100

134 21.3 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 23.950 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

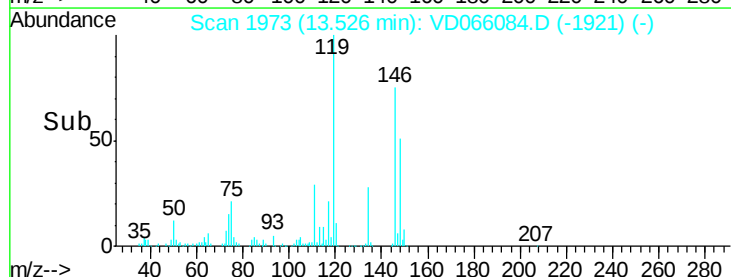
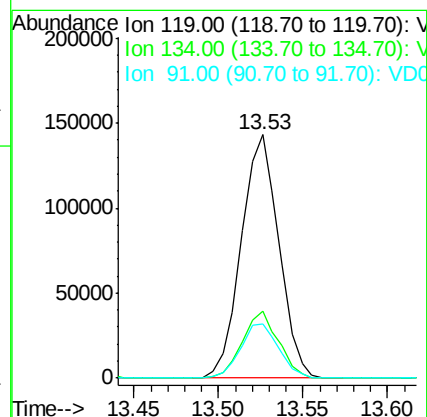
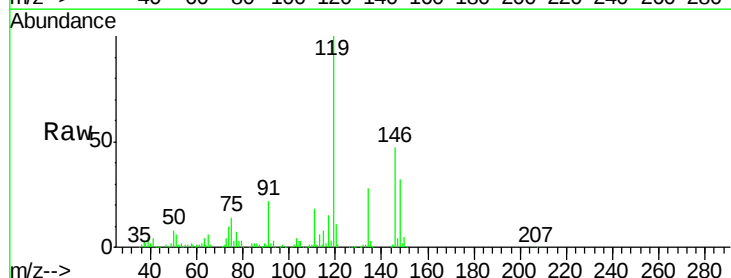
Tgt Ion:119 Resp: 221663

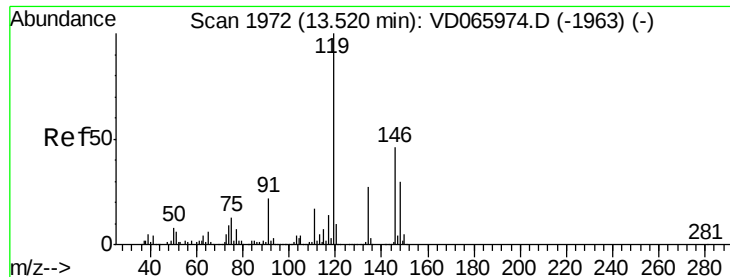
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 22.9 11.1 33.3





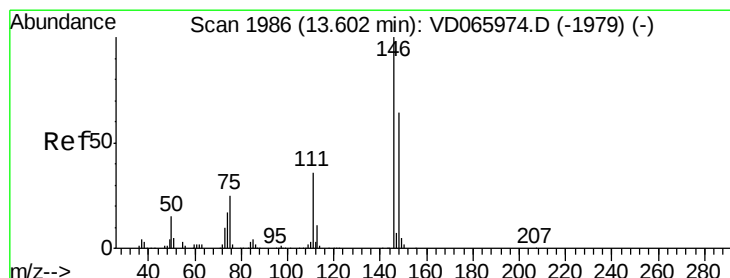
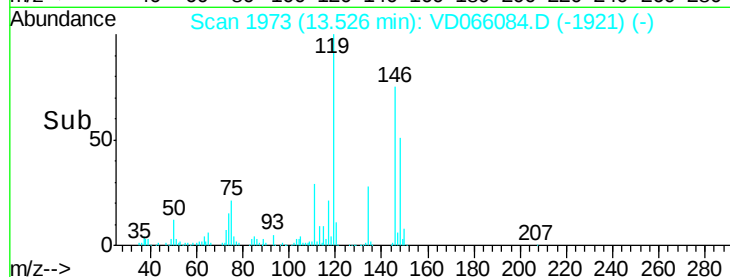
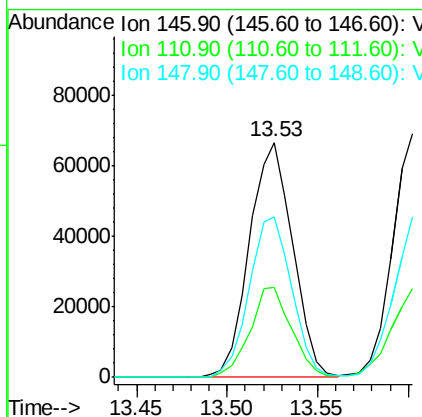
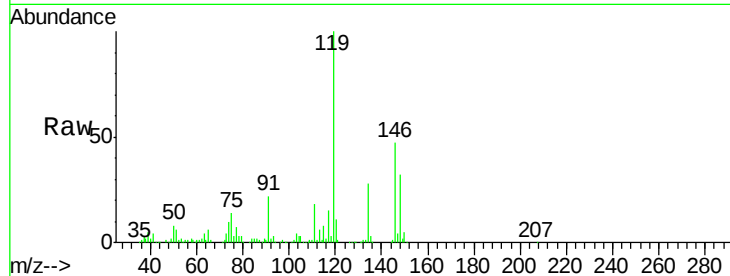
#87
 1,3-Dichlorobenzene
 Concen: 22.645 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	110540		
111	36.9	18.6	55.6	
148	67.1	32.4	97.0	

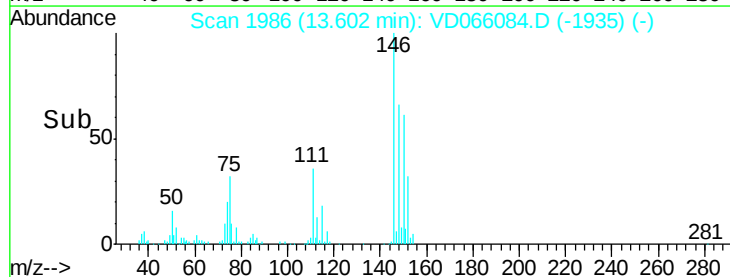
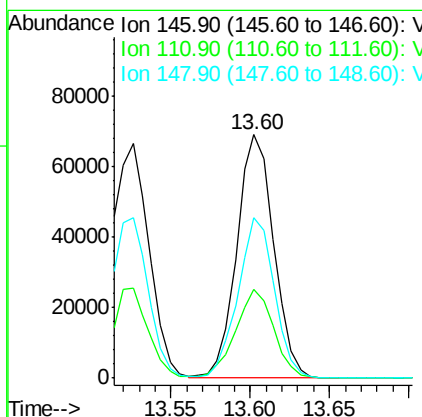
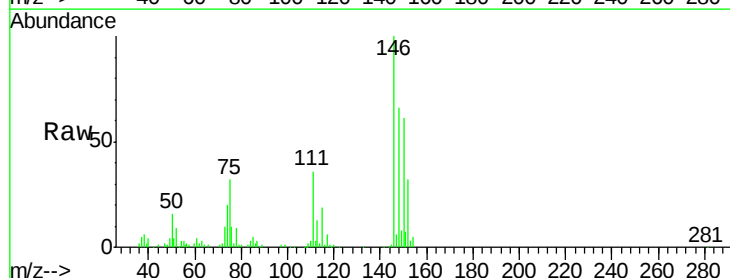
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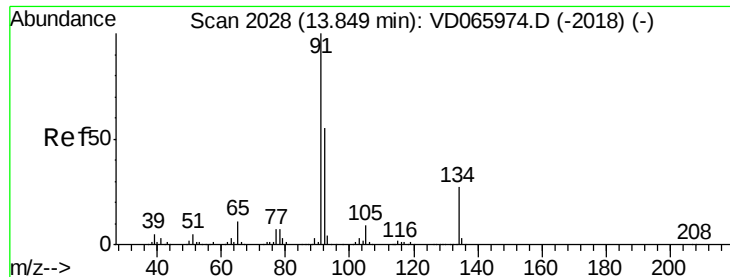
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#88
 1,4-Dichlorobenzene
 Concen: 22.664 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	111838		
111	37.9	18.8	56.4	
148	65.2	32.2	96.6	





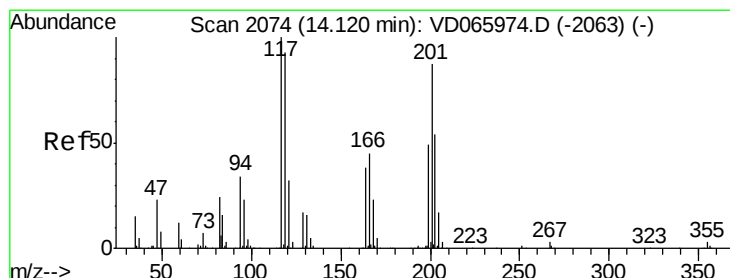
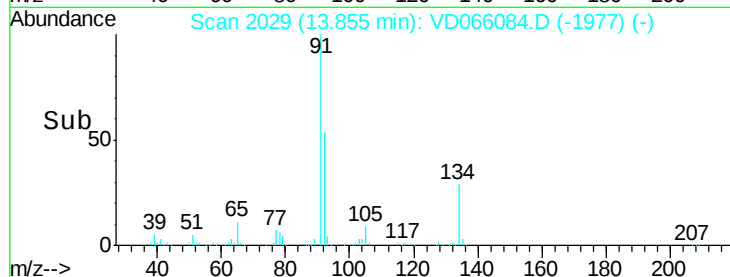
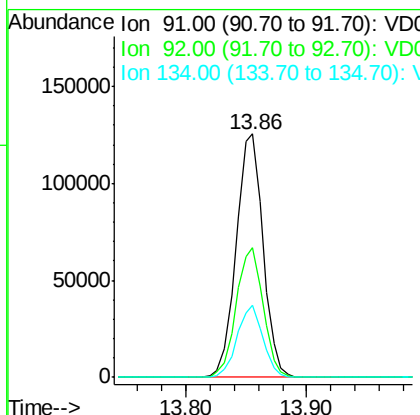
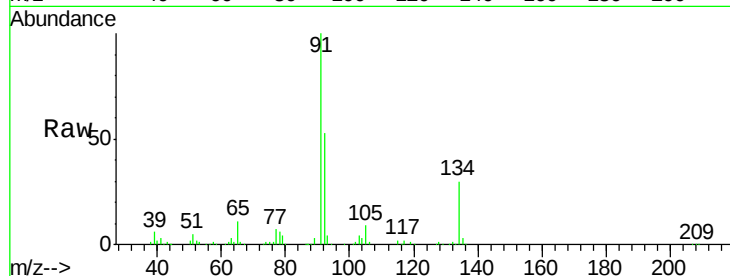
#89
n-Butylbenzene
Concen: 22.612 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	194592		
92	53.8	27.2	81.6	
134	28.3	13.8	41.4	

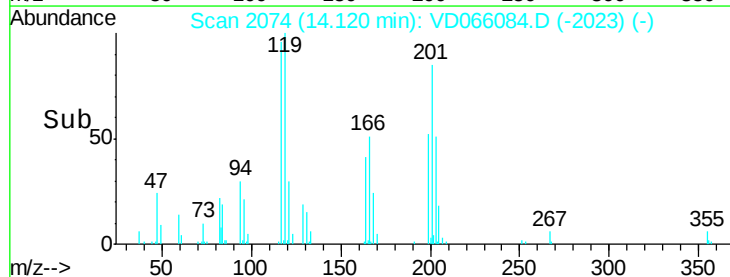
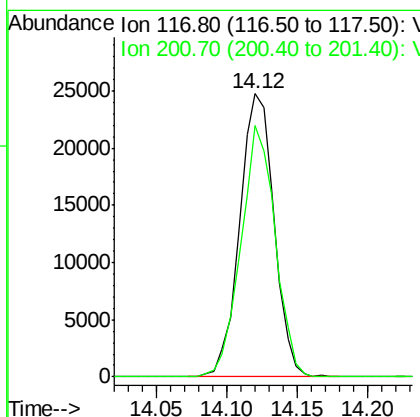
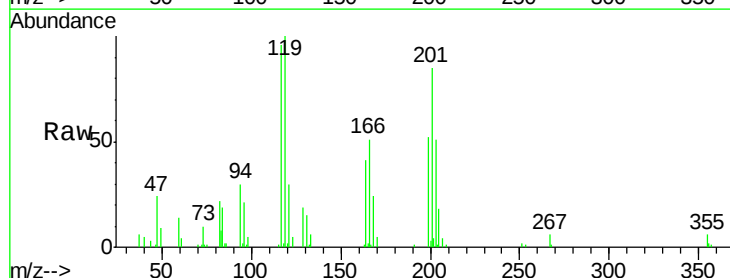
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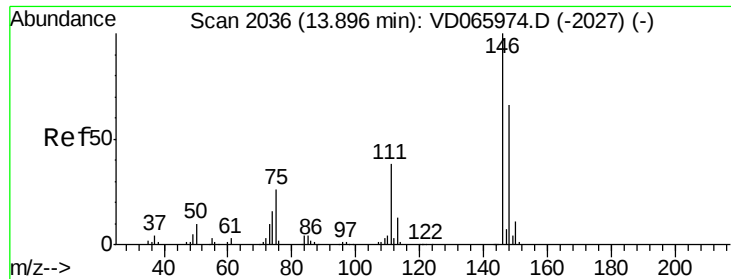
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#90
Hexachloroethane
Concen: 21.960 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42074		
201	88.9	42.0	126.1	





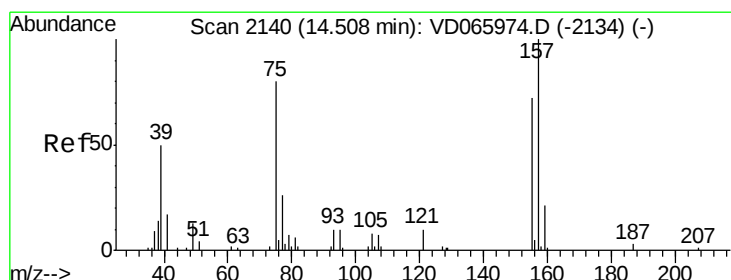
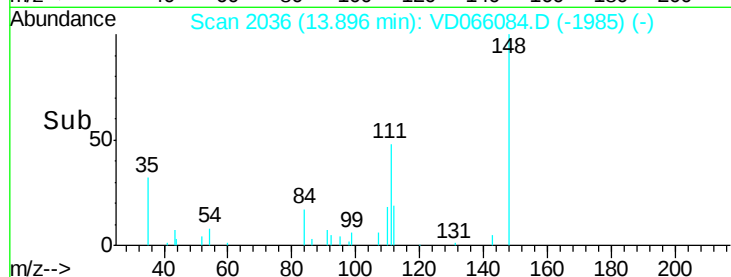
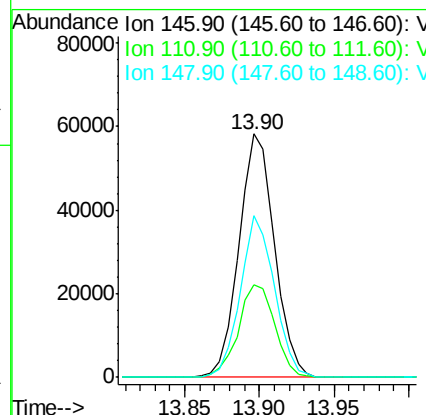
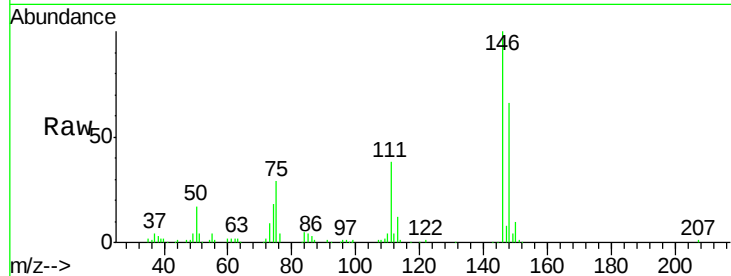
#91
 1,2-Dichlorobenzene
 Concen: 22.743 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.9
148	63.6	32.7	98.1

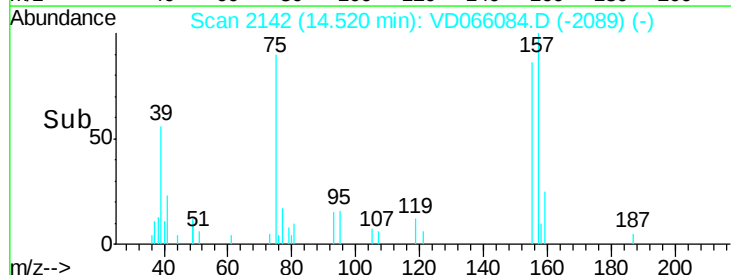
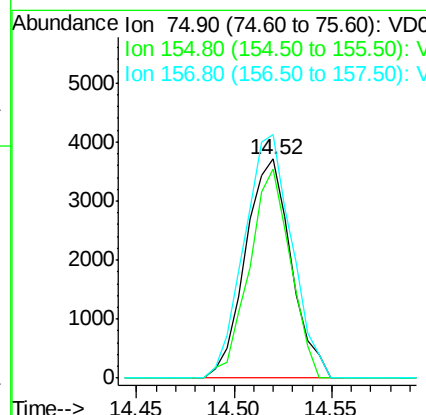
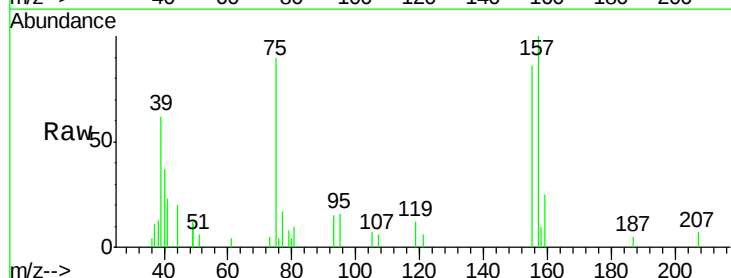
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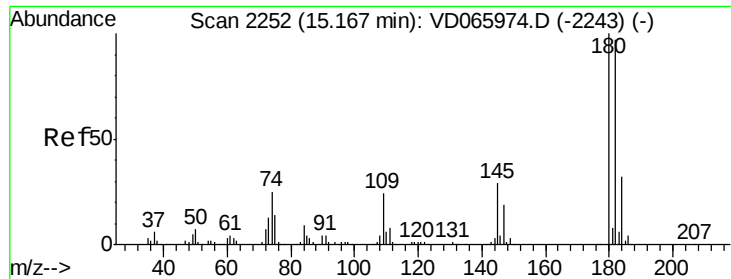
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.594 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	48.5	145.5
157	115.6	64.7	194.1





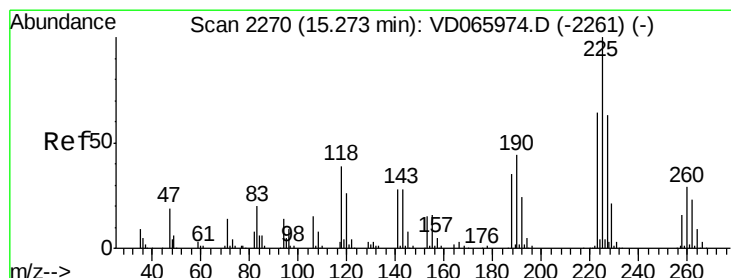
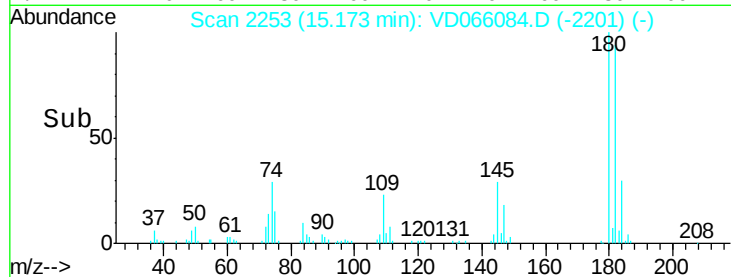
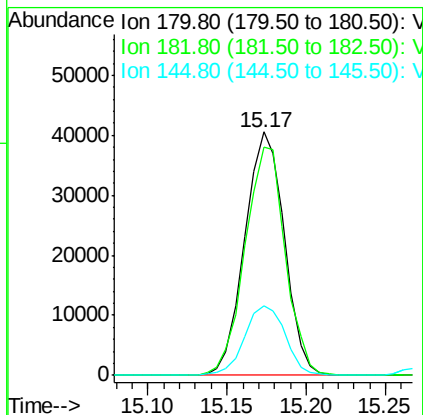
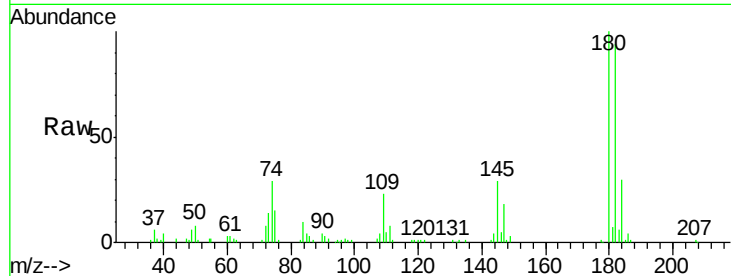
#93
 1,2,4-Trichlorobenzene
 Concen: 23.133 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.1	144.3
145	29.4	14.7	44.1

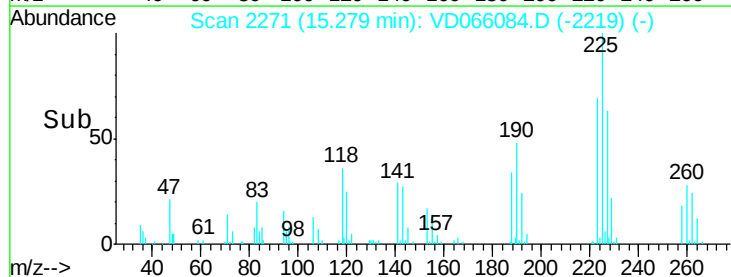
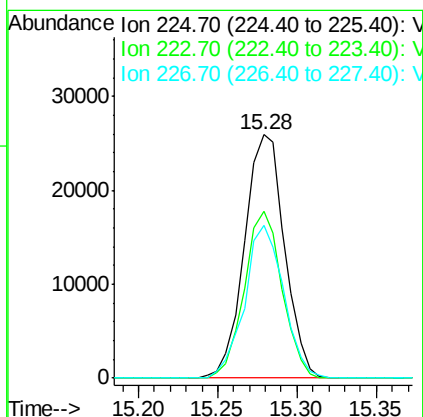
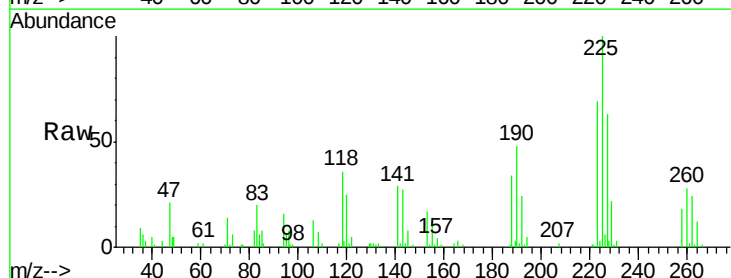
Manual Integrations
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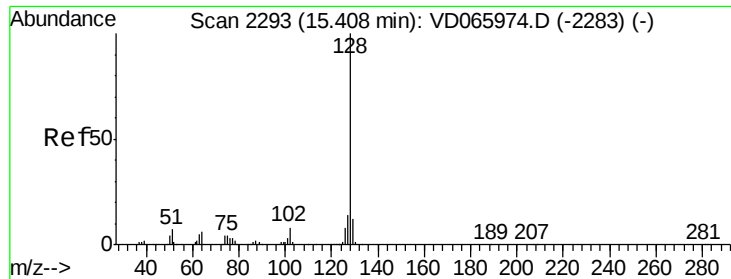
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#94
 Hexachlorobutadiene
 Concen: 24.291 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.2	93.6
227	60.7	31.6	94.8





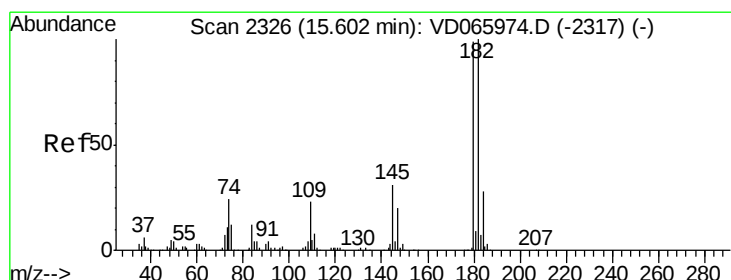
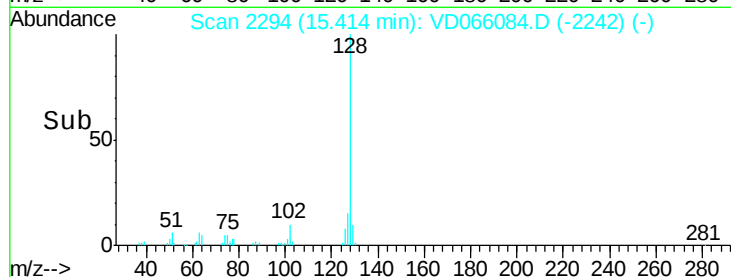
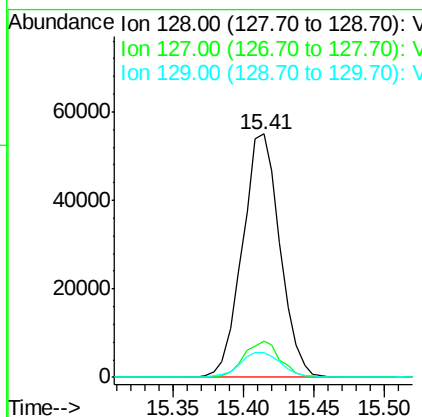
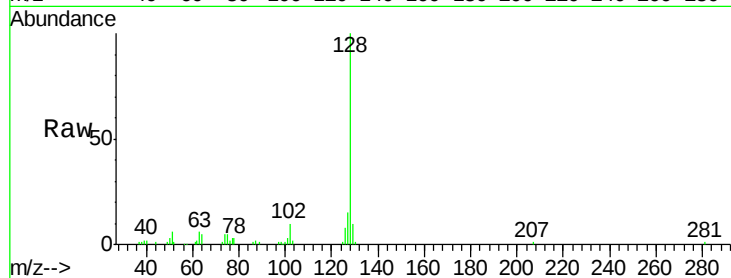
#95
Naphthalene
Concen: 21.168 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	102403		
127	14.3		10.8	16.2
129	11.1		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.844 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	60297		
182	94.5		47.9	143.6
145	29.8		15.4	46.2

