

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066018.D
 Acq On : 23 Jul 2020 12:23
 Operator : VA/SY
 Sample : VD0723SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/24/2020 12:59:50 PM

Quant Time: Jul 24 03:46:24 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	335176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	487231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	452122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	134838	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.92	113	143455	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.34	98	557270	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.64	95	194319	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59993	23.585	ug/l	97
3) Chloromethane	2.21	50	46552	22.426	ug/l	96
4) Vinyl Chloride	2.35	62	42790	21.647	ug/l	97
5) Bromomethane	2.76	94	30143	18.524	ug/l	91
6) Chloroethane	2.92	64	27057	22.929	ug/l	93
7) Trichlorofluoromethane	3.27	101	107466	22.351	ug/l	99
8) Diethyl Ether	3.71	74	27762	20.889	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	62178	21.417	ug/l	98
10) Methyl Iodide	4.29	142	65221	27.132	ug/l	98
11) Tert butyl alcohol	5.22	59	19354	96.096	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	58549	21.127	ug/l	93
13) Acrolein	3.92	56	20217	87.984	ug/l	99
14) Allyl chloride	4.71	41	89640	20.693	ug/l	97
15) Acrylonitrile	5.42	53	56970	100.337	ug/l	95
16) Acetone	4.16	43	49311	89.325	ug/l	95
17) Carbon Disulfide	4.41	76	185060	20.587	ug/l	98
18) Methyl Acetate	4.72	43	25650	19.973	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	119223	20.939	ug/l	100
20) Methylene Chloride	4.97	84	80319	24.820	ug/l	92
21) trans-1,2-Dichloroethene	5.46	96	67709	21.618	ug/l	98
22) Diisopropyl ether	6.36	45	174819	21.242	ug/l	97
23) Vinyl Acetate	6.31	43	485689	104.641	ug/l	98
24) 1,1-Dichloroethane	6.27	63	109133	21.885	ug/l	98
25) 2-Butanone	7.21	43	69189	94.454	ug/l #	90
26) 2,2-Dichloropropane	7.21	77	98909	22.057	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	71121	21.447	ug/l	98
28) Bromochloromethane	7.55	49	41336	19.531	ug/l	93
29) Tetrahydrofuran	7.56	42	43911	97.156	ug/l	97
30) Chloroform	7.71	83	112506	21.569	ug/l	97
31) Cyclohexane	7.99	56	100372	20.459	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	104910	21.743	ug/l	98
36) 1,1-Dichloropropene	8.11	75	90695	21.811	ug/l	99
37) Ethyl Acetate	7.29	43	28711	18.079	ug/l #	80
38) Carbon Tetrachloride	8.10	117	99973	22.157	ug/l	97

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 Sample : VD0723SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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Manual Integrations
 APPROVED

MMDadoda
 7/24/2020 12:59:50 PM

Quant Time: Jul 24 03:46:24 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	107676	21.383	ug/l	98
40) Benzene	8.36	78	251210	21.594	ug/l	94
41) Methacrylonitrile	7.53	41	18297m	20.113	ug/l	
42) 1,2-Dichloroethane	8.43	62	71529	22.438	ug/l	100
43) Isopropyl Acetate	8.46	43	61877	19.950	ug/l	98
44) Trichloroethene	9.11	130	76451	21.716	ug/l	100
45) 1,2-Dichloropropane	9.38	63	59602	21.154	ug/l	100
46) Dibromomethane	9.47	93	33365	21.997	ug/l	98
47) Bromodichloromethane	9.67	83	85842	21.404	ug/l	96
48) Methyl methacrylate	9.46	41	32773	20.947	ug/l	97
49) 1,4-Dioxane	9.47	88	7597	432.323	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	159279	101.919	ug/l	98
52) Toluene	10.41	92	169506	22.343	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	79785	21.354	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	100654	22.224	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	45427	21.118	ug/l	92
56) Ethyl methacrylate	10.66	69	52337	20.926	ug/l	97
57) 1,3-Dichloropropane	10.95	76	75942	21.325	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	131974	110.461	ug/l	98
59) 2-Hexanone	10.99	43	106962	98.764	ug/l	95
60) Dibromochloromethane	11.14	129	63652	21.946	ug/l	100
61) 1,2-Dibromoethane	11.25	107	45515	21.944	ug/l	99
64) Tetrachloroethene	10.88	164	66730	21.745	ug/l	93
65) Chlorobenzene	11.67	112	182895	22.094	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	69831	22.846	ug/l	98
67) Ethyl Benzene	11.75	91	314119	22.050	ug/l	97
68) m/p-Xylenes	11.86	106	252990	46.204	ug/l	100
69) o-Xylene	12.18	106	114518	22.995	ug/l	97
70) Styrene	12.20	104	198881	23.242	ug/l	100
71) Bromoform	12.36	173	39892	22.281	ug/l #	100
73) Isopropylbenzene	12.48	105	311939	21.966	ug/l	99
74) N-amyl acetate	12.29	43	58401	19.835	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	48018	20.460	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	38447m	21.758	ug/l	
77) Bromobenzene	12.77	156	81541	22.468	ug/l	94
78) n-propylbenzene	12.83	91	366047	22.213	ug/l	99
79) 2-Chlorotoluene	12.91	91	207657	22.058	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	258929	22.193	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	16262	21.117	ug/l	94
82) 4-Chlorotoluene	13.01	91	220410	22.181	ug/l	99
83) tert-Butylbenzene	13.23	119	228348	22.366	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	263365	22.881	ug/l	98
85) sec-Butylbenzene	13.41	105	314030	22.331	ug/l	97
86) p-Isopropyltoluene	13.52	119	300000	23.482	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	155854	23.130	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	149876	22.003	ug/l	99
89) n-Butylbenzene	13.85	91	266918	22.469	ug/l	99
90) Hexachloroethane	14.12	117	56090	21.208	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	131299	22.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7610	19.785	ug/l	98

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MSVOA_D
ClientSampleId :
VD0723SBSD01

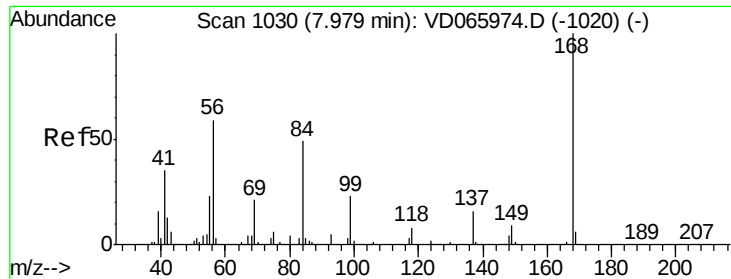
Manual Integrations
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7/24/2020 12:59:50 PM

Quant Time: Jul 24 03:46:24 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)
93) 1,2,4-Trichlorobenzene	15.17	180	94921	22.649	ug/l	98
94) Hexachlorobutadiene	15.27	225	60426	23.321	ug/l	96
95) Naphthalene	15.41	128	141757	21.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	82743	22.710	ug/l	98

(#) = 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: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion:168 Resp: 335176

Ion Ratio Lower Upper

168 100

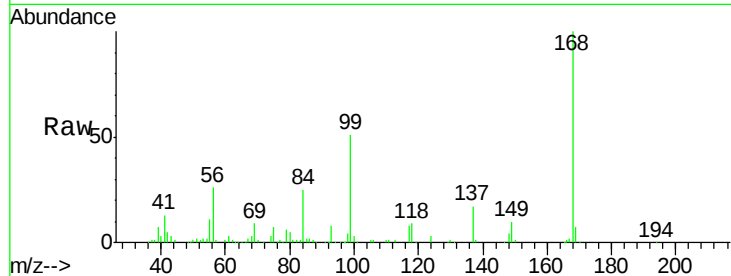
99 51.2 40.8 61.2

Manual Integrations

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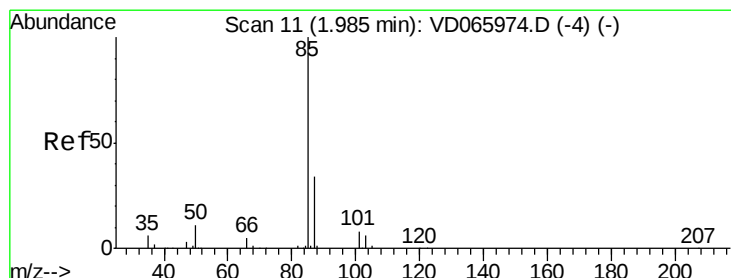
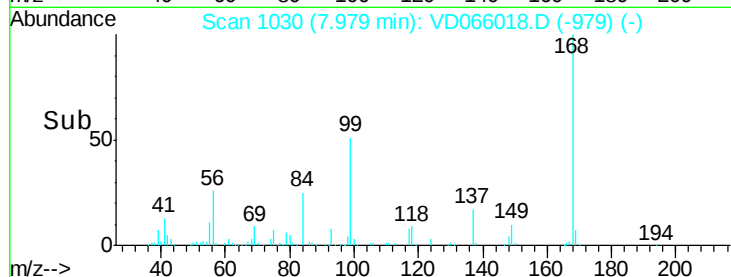
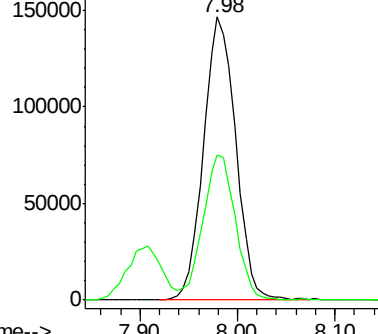
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.585 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066018.D

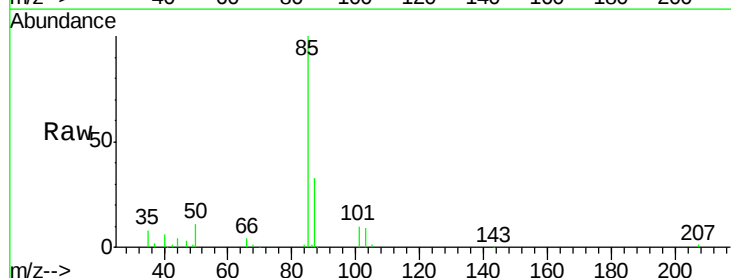
Acq: 23 Jul 2020 12:23

Tgt Ion: 85 Resp: 59993

Ion Ratio Lower Upper

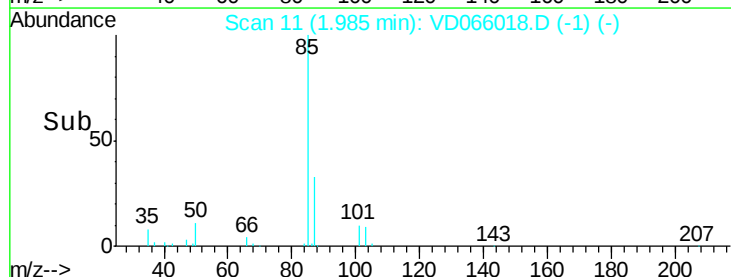
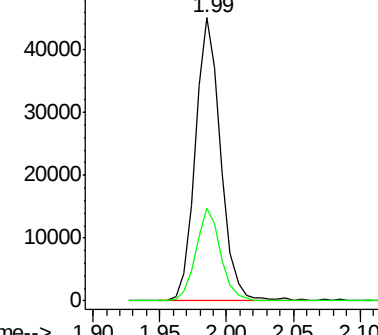
85 100

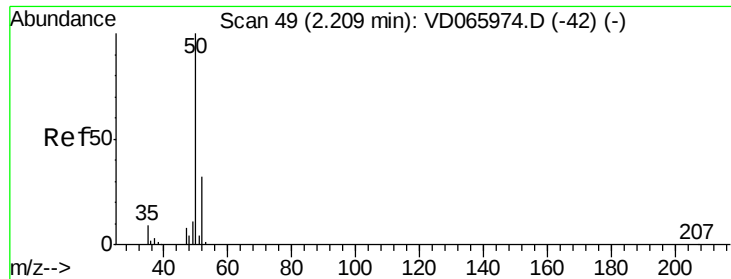
87 32.8 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.426 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 50 Resp: 46552

Ion Ratio Lower Upper

50 100

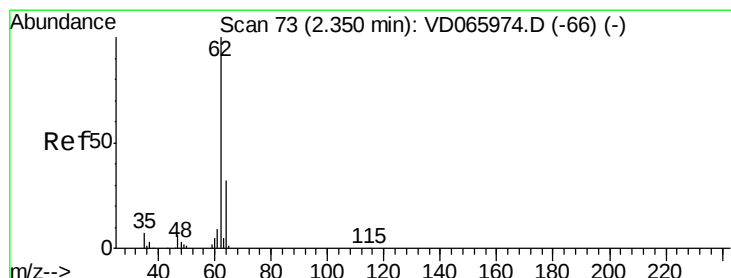
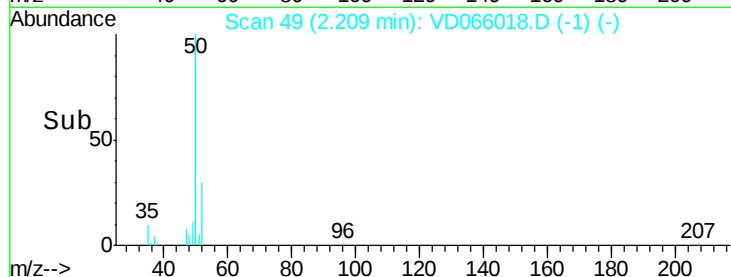
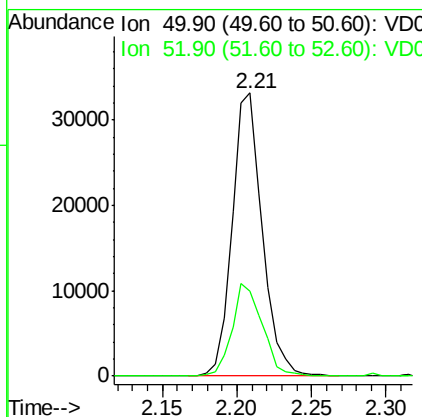
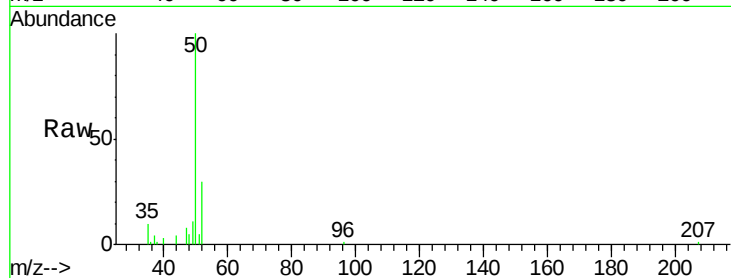
52 29.9 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.647 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066018.D

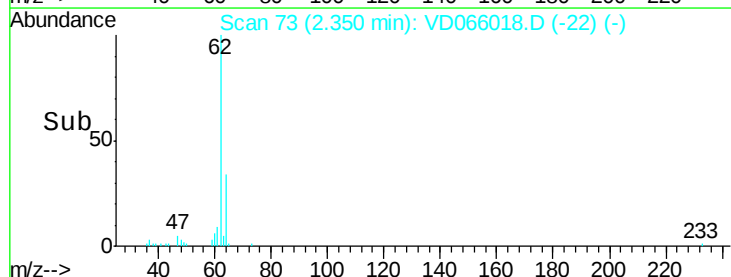
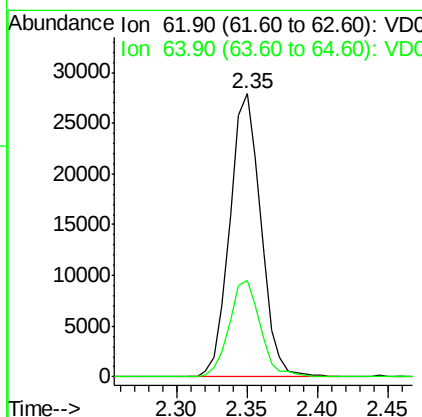
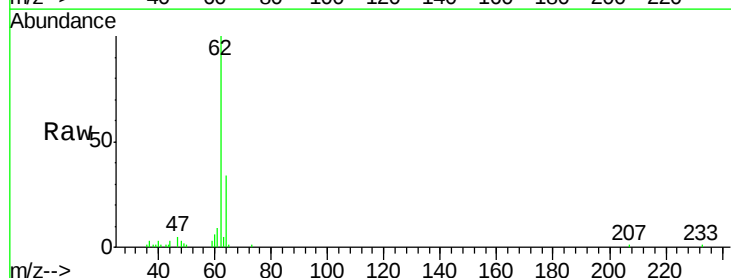
Acq: 23 Jul 2020 12:23

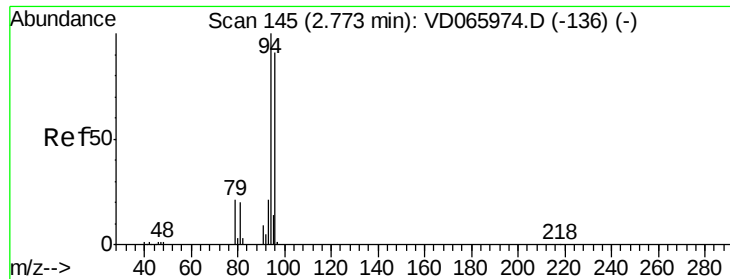
Tgt Ion: 62 Resp: 42790

Ion Ratio Lower Upper

62 100

64 34.0 25.8 38.8





#5

Bromomethane

Concen: 18.524 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBSD01

Tot Ion: 94 Resp: 30143

Ion Ratio Lower Upper

94 100

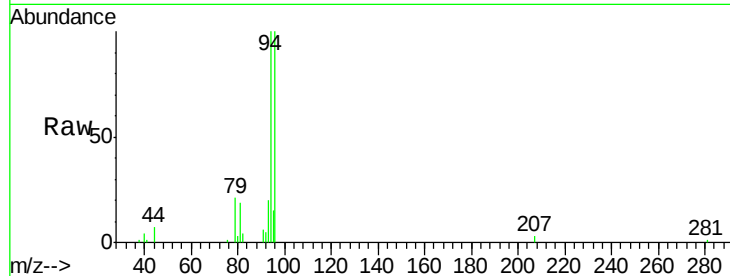
96 100.1 73.0 109.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

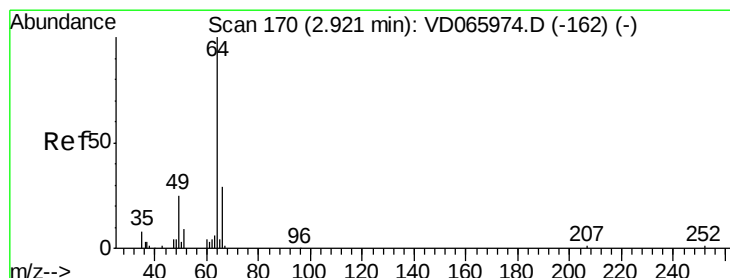
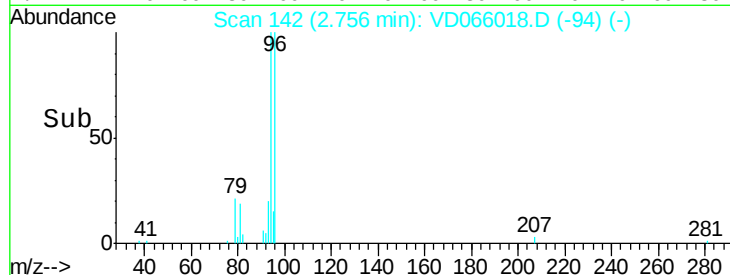
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 22.929 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066018.D

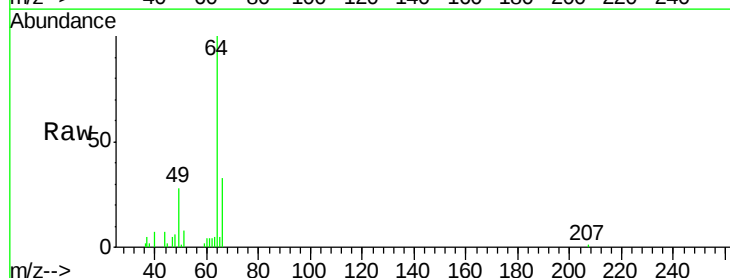
Acq: 23 Jul 2020 12:23

Tgt Ion: 64 Resp: 27057

Ion Ratio Lower Upper

64 100

66 33.2 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

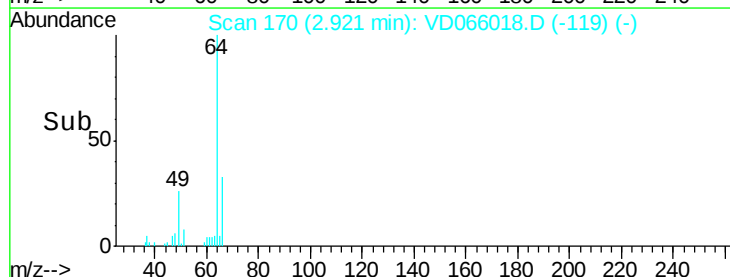
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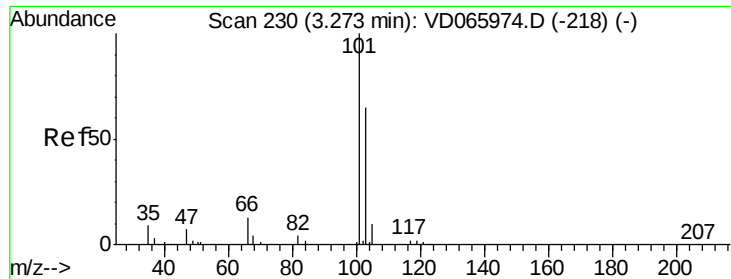
10000

5000

0

Time-->





#7

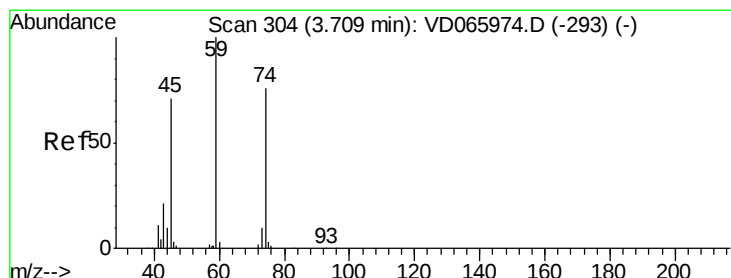
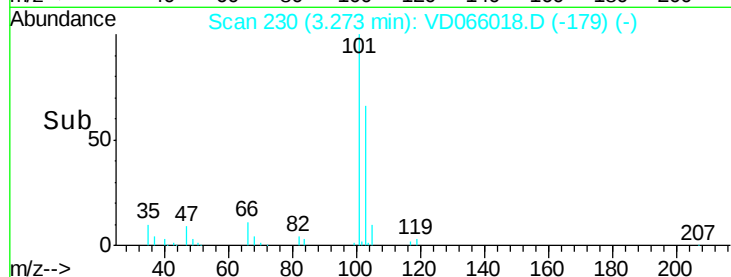
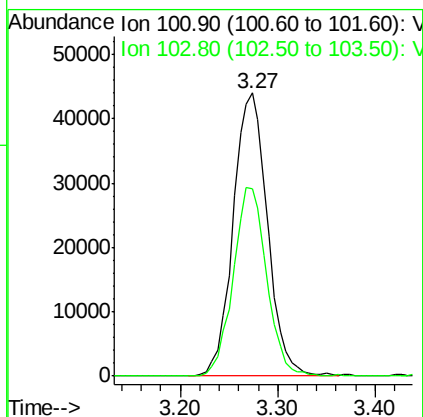
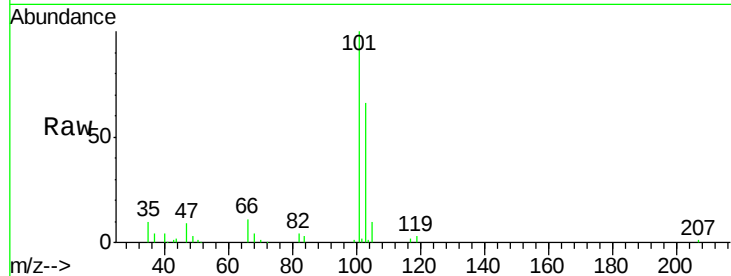
Trichlorofluoromethane
Concen: 22.351 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.1	78.1

Manual Integrations
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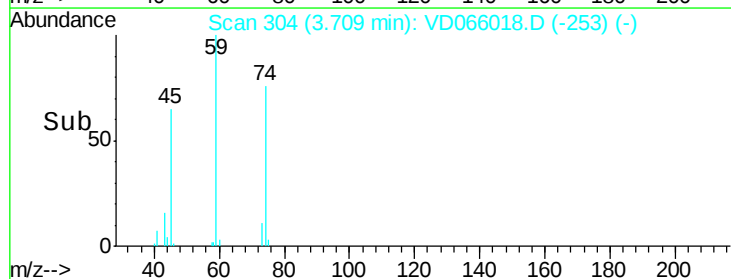
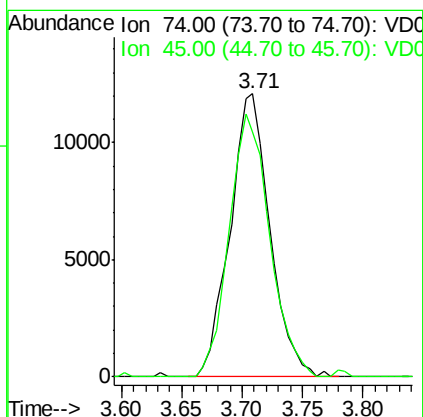
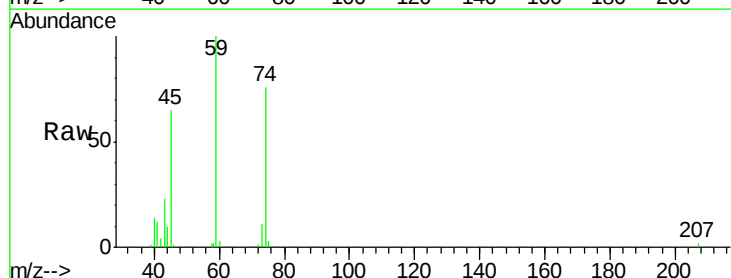
MMDadoda
7/24/2020 12:59:50 PM

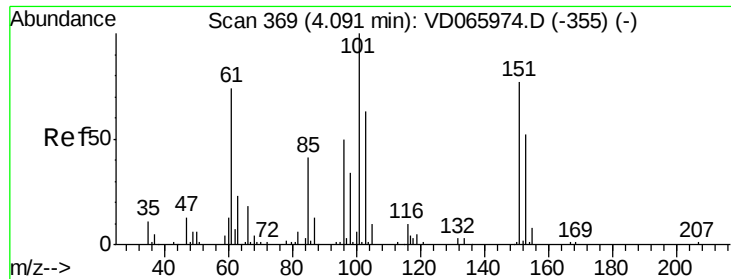


#8

Diethyl Ether
Concen: 20.889 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.417 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

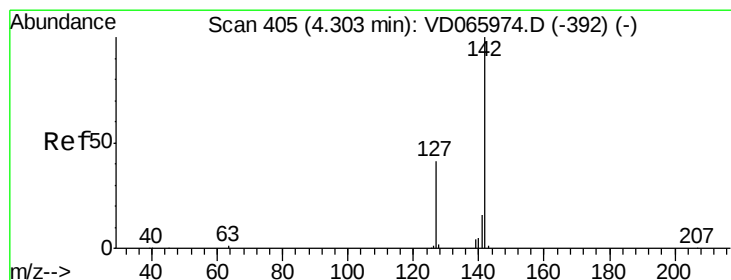
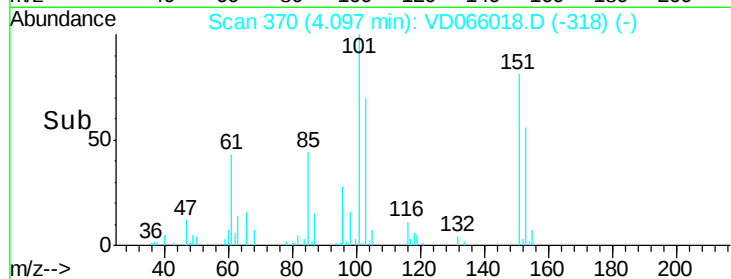
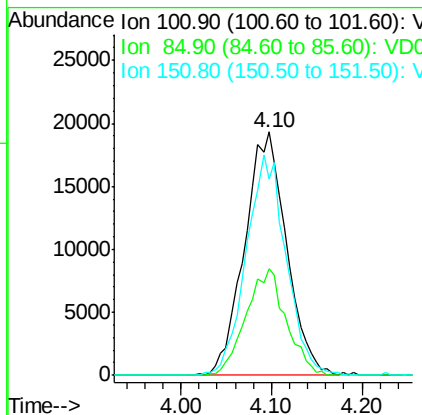
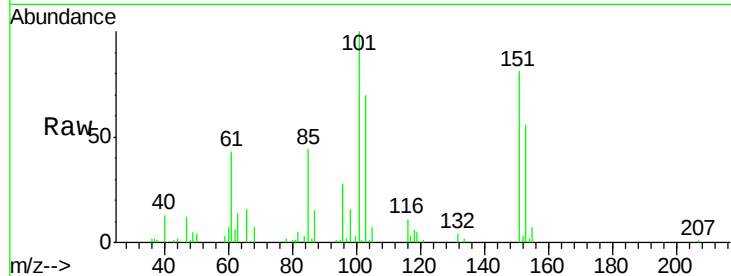
ClientSampleId :

VD0723SBS01

Tot Ion:	101	Resp:	62178
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.6	50.4
151	86.4	66.6	99.8

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#10

Methyl Iodide

Concen: 27.132 ug/l

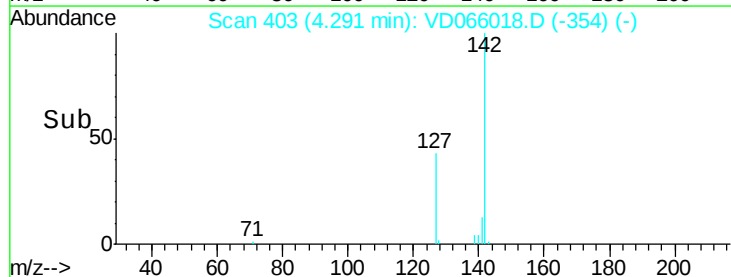
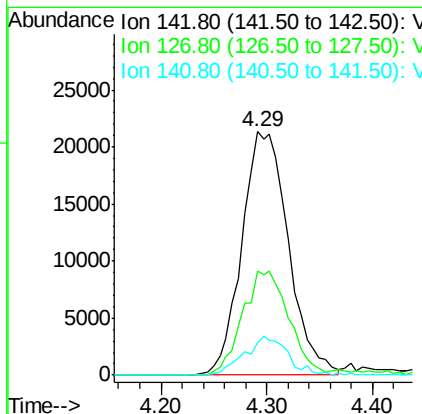
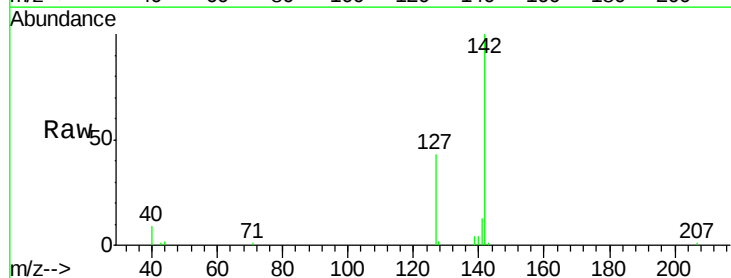
RT: 4.29 min Scan# 403

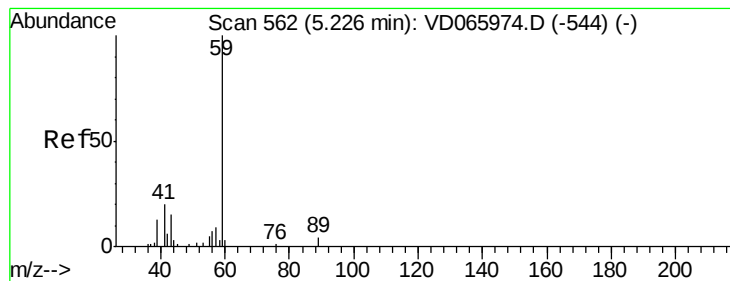
Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion:	142	Resp:	65221
Ion Ratio	Lower	Upper	
142	100		
127	43.1	32.9	49.3
141	14.6	11.8	17.6





#11

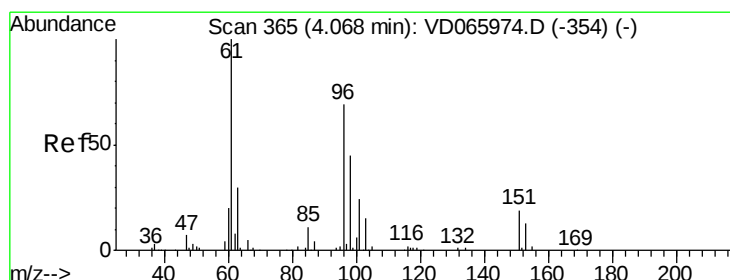
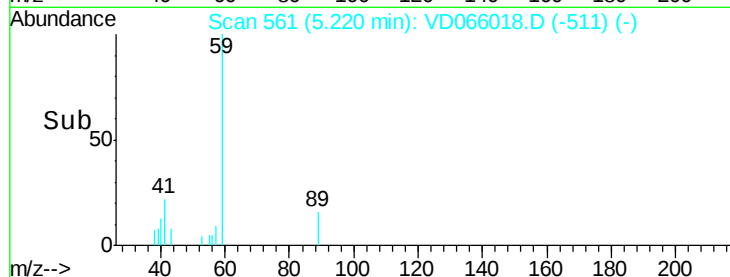
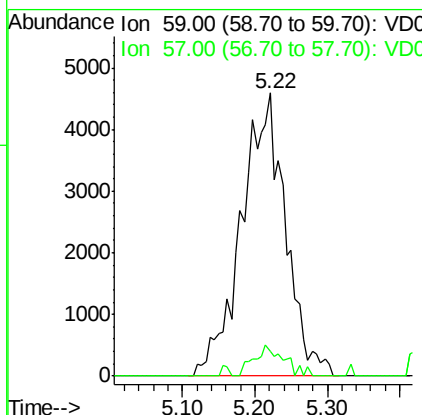
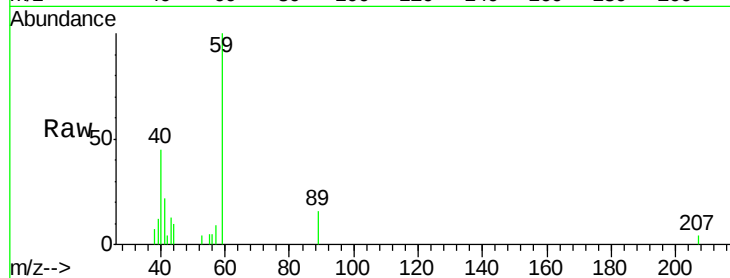
Tert butyl alcohol
Concen: 96.096 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	59	Resp	19354
Ion Ratio	100	Lower	Upper
57	7.5	4.5	6.7#

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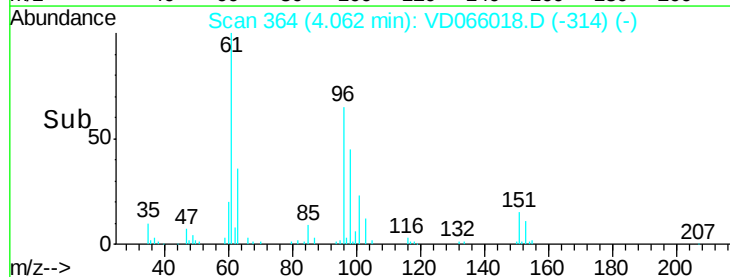
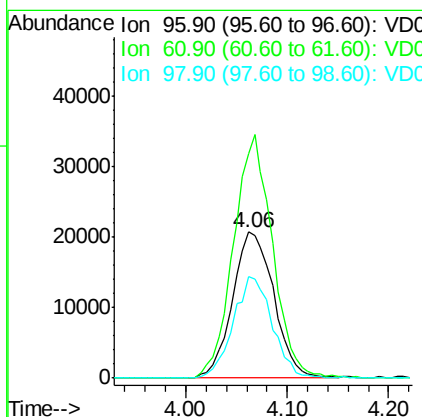
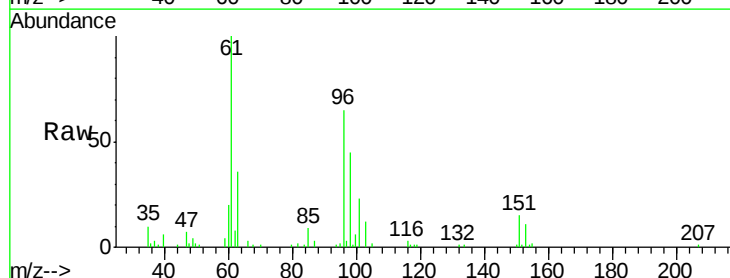
MMDadoda
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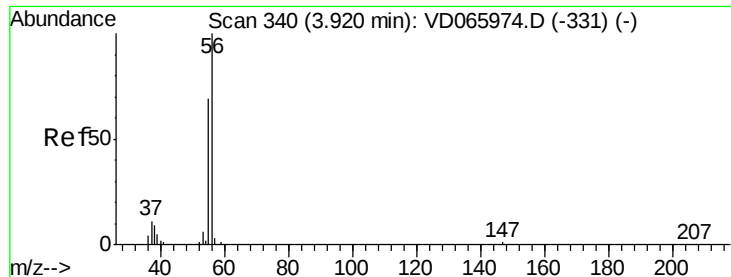


#12

1,1-Dichloroethene
Concen: 21.127 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	96	Resp	58549
Ion Ratio	100	Lower	Upper
61	153.7	115.4	173.0
98	69.8	51.5	77.3





#13

Acrolein

Concen: 87.984 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 56 Resp: 20217

Ion Ratio Lower Upper

56 100

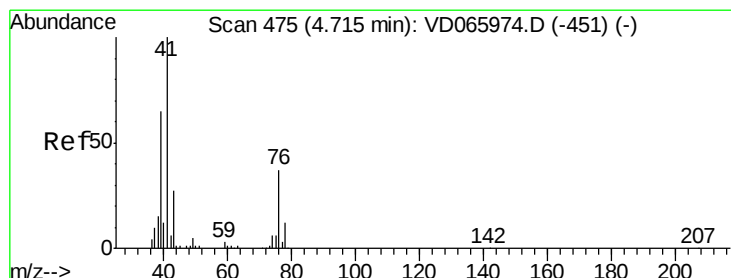
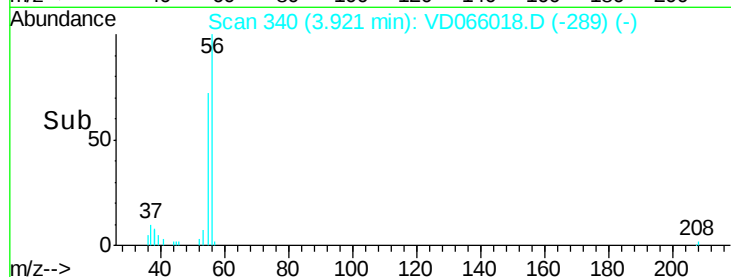
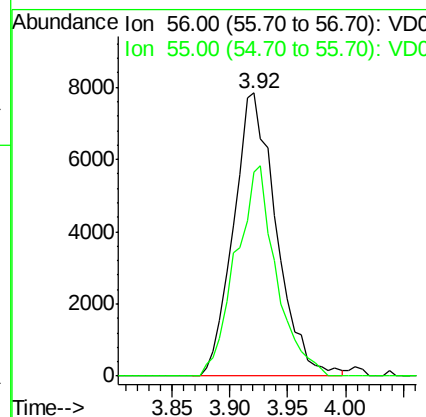
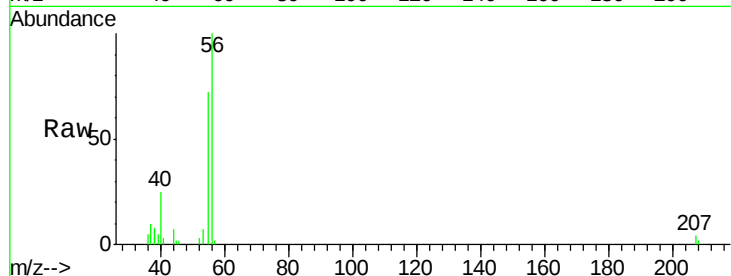
55 70.2 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.693 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

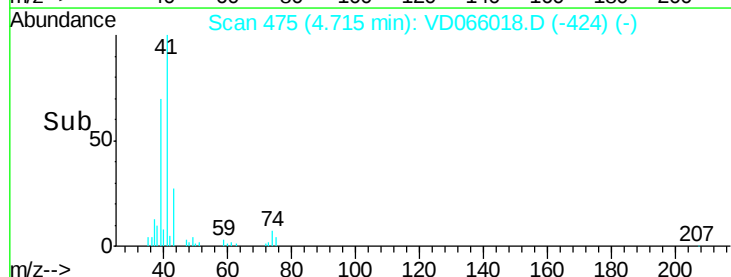
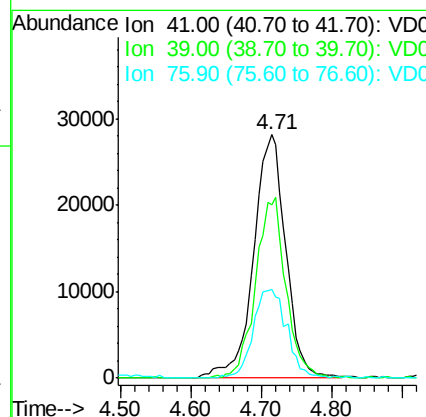
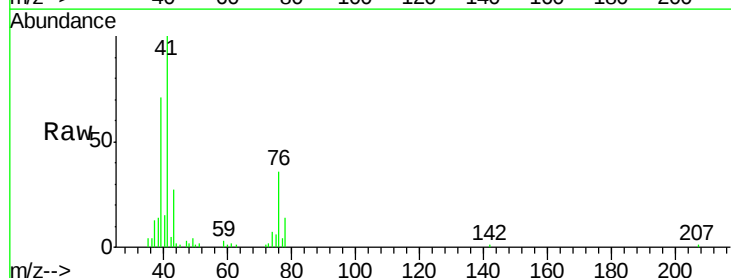
Tgt Ion: 41 Resp: 89640

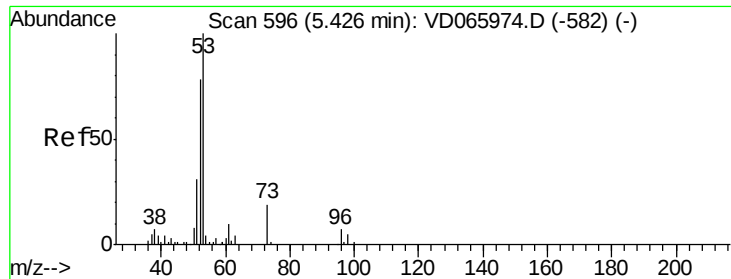
Ion Ratio Lower Upper

41 100

39 69.6 53.4 80.2

76 37.9 29.1 43.7





#15

Acrylonitrile

Concen: 100.337 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

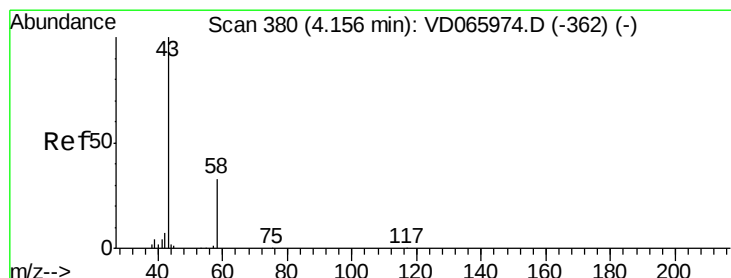
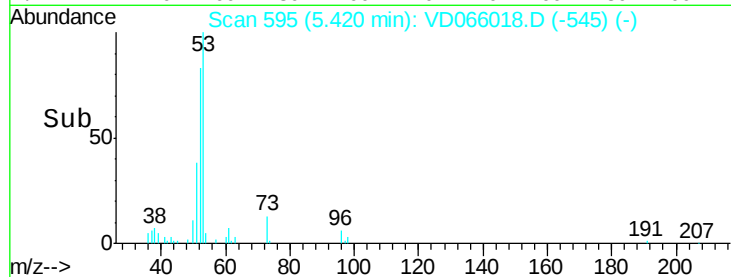
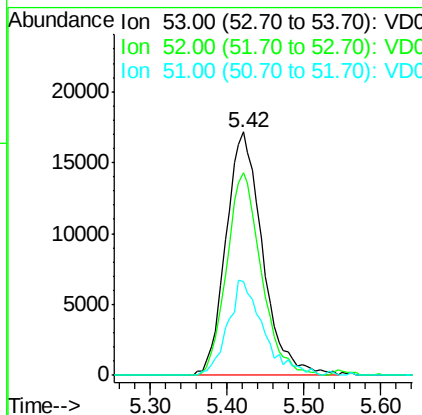
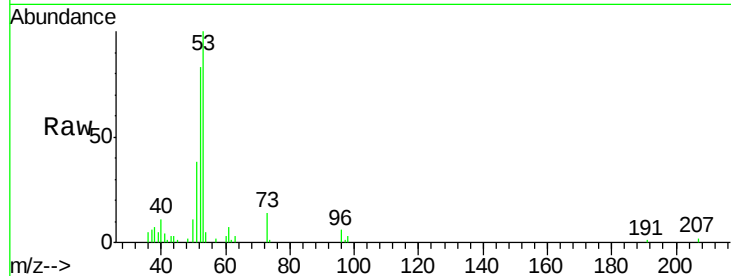
ClientSampleId :

VD0723SBSD01

Tot Ion:	53	Resp:	56970
Ion	Ratio	Lower	Upper
53	100		
52	78.5	67.1	100.7
51	37.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 89.325 ug/l

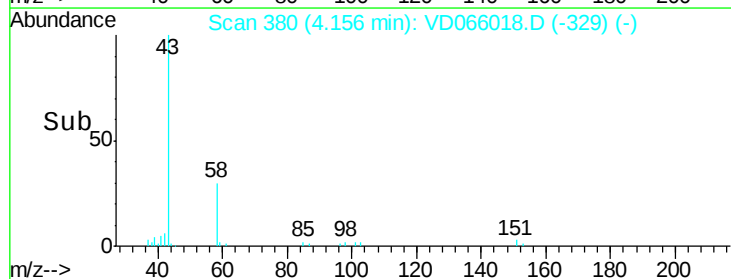
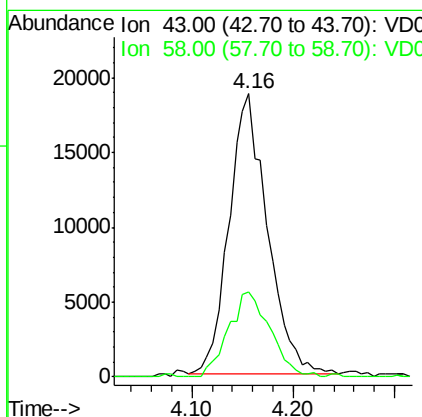
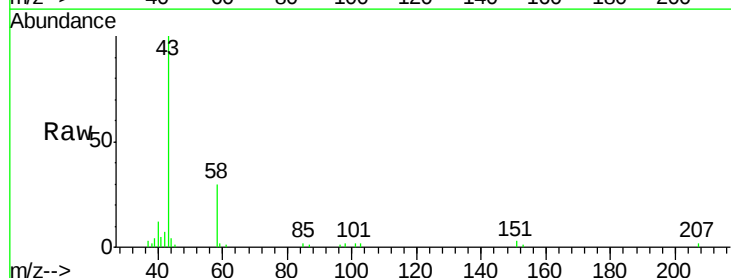
RT: 4.16 min Scan# 380

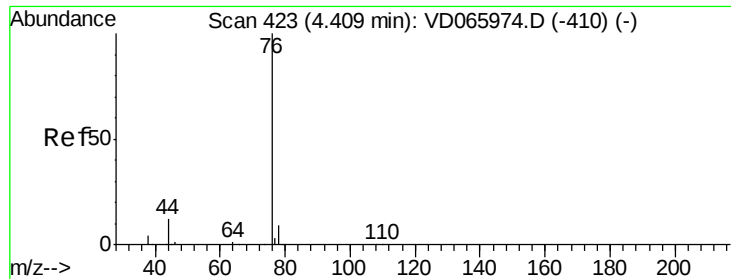
Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion:	43	Resp:	49311
Ion	Ratio	Lower	Upper
43	100		
58	30.3	26.3	39.5





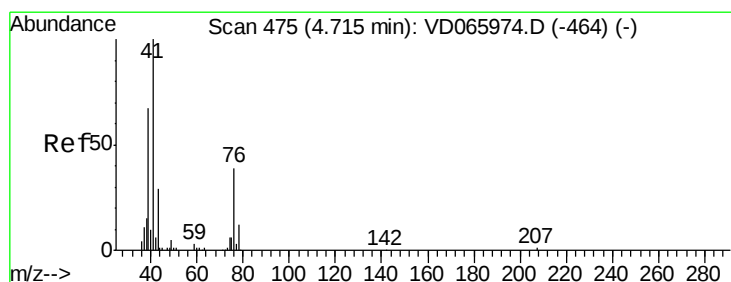
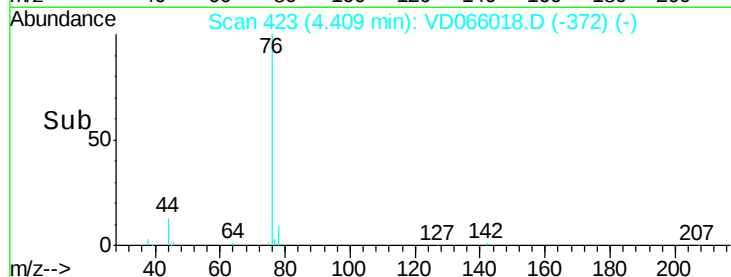
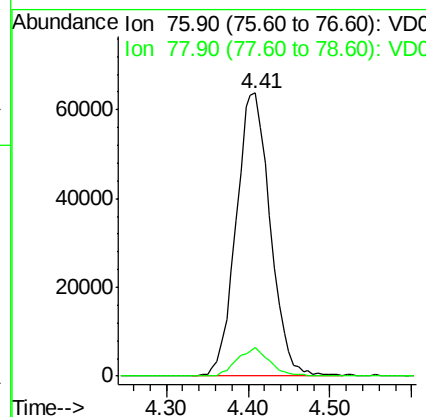
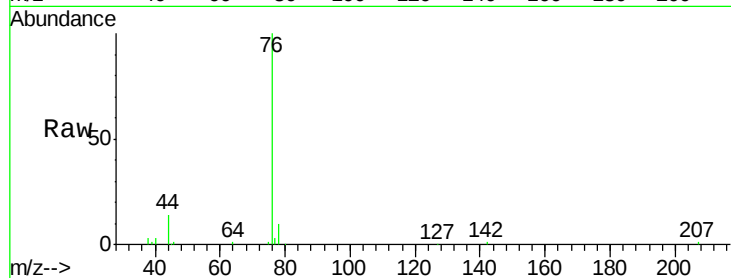
#17
Carbon Disulfide
Concen: 20.587 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.4	11.2

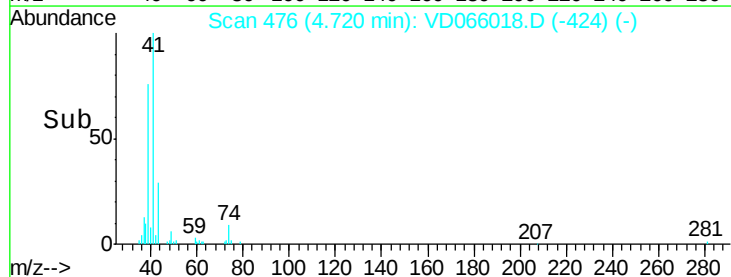
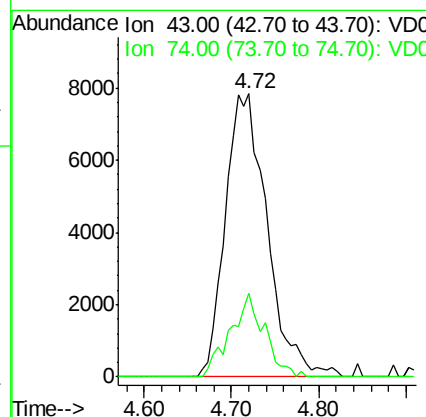
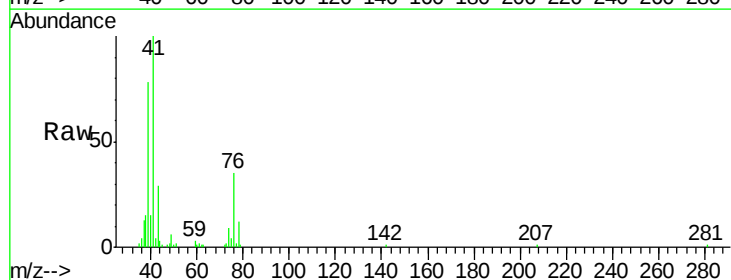
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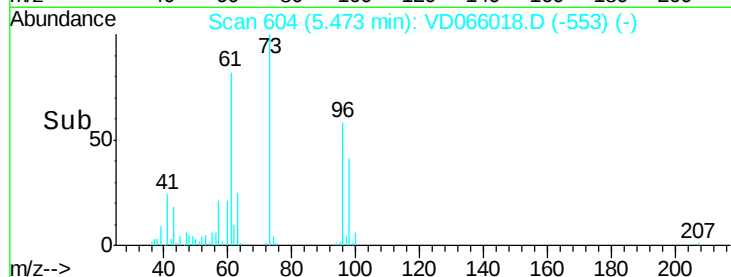
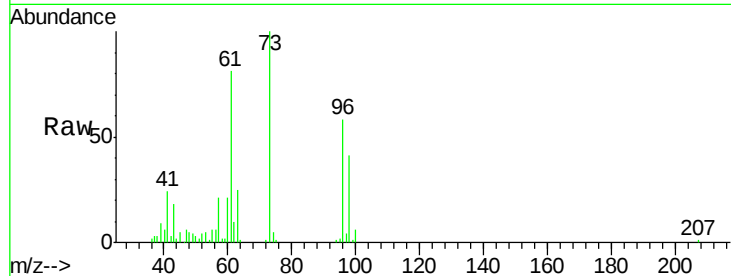
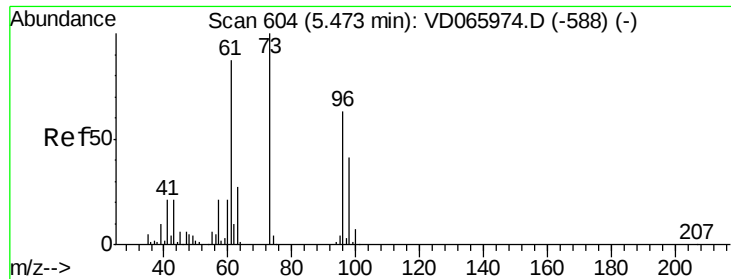
MMDadoda
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#18
Methyl Acetate
Concen: 19.973 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





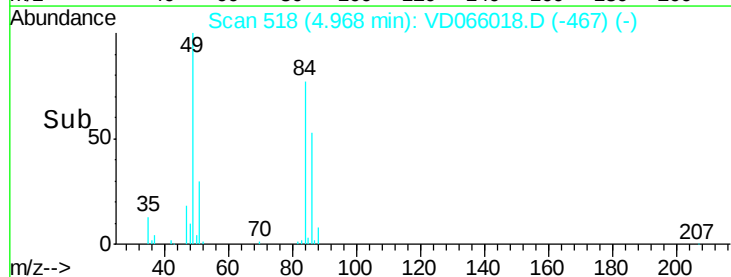
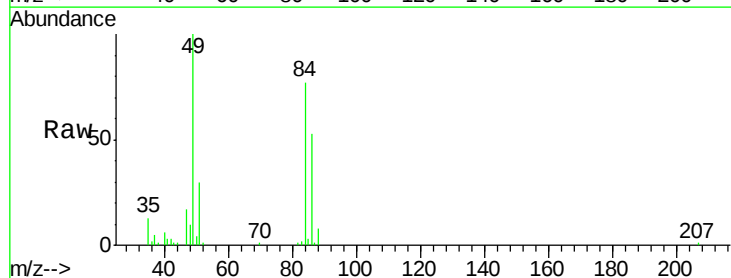
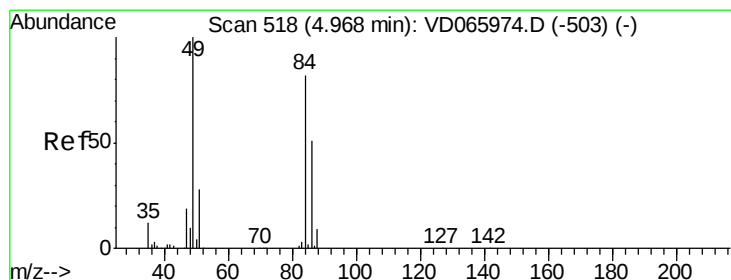
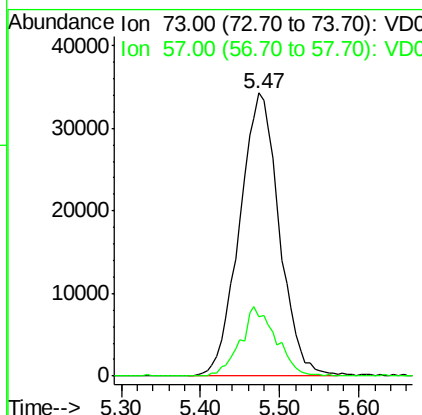
#19
Methyl tert-butyl Ether
Concen: 20.939 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tot Ion: 73 Resp: 119223
Ion Ratio Lower Upper
73 100
57 21.1 17.0 25.4

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

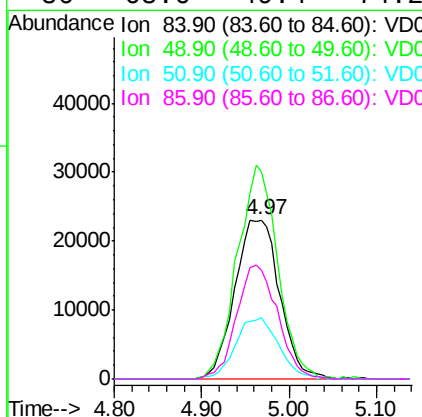
Manual Integrations
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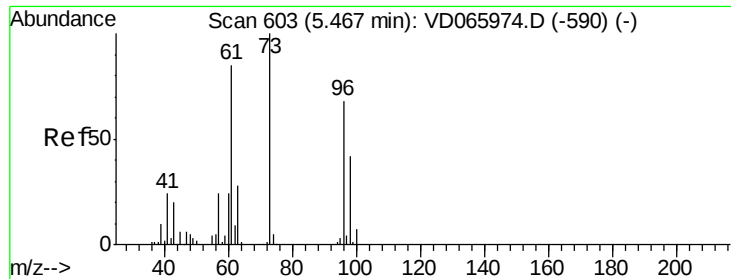
MMDadoda
7/24/2020 12:59:50 PM



#20
Methylene Chloride
Concen: 24.820 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion: 84 Resp: 80319
Ion Ratio Lower Upper
84 100
49 130.5 97.7 146.5
51 38.5 27.4 41.2
86 68.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.618 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

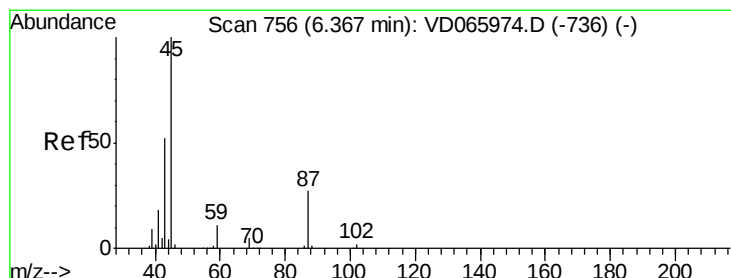
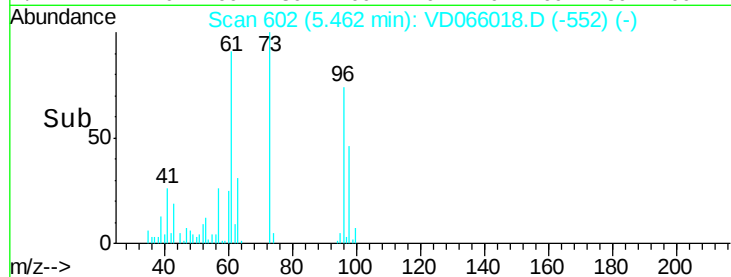
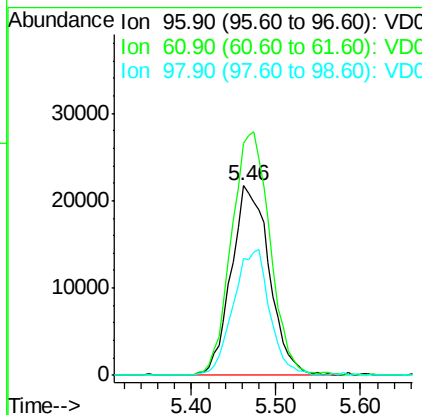
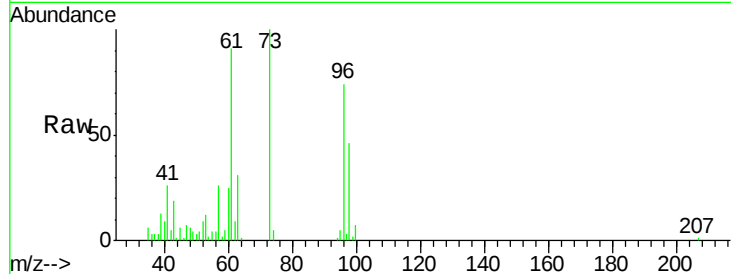
ClientSampleId :

VD0723SBS01

Tot Ion:	96	Resp:	67709
Ion	Ratio	Lower	Upper
96	100		
61	122.1	100.5	150.7
98	61.7	49.7	74.5

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#22

Diisopropyl ether

Concen: 21.242 ug/l

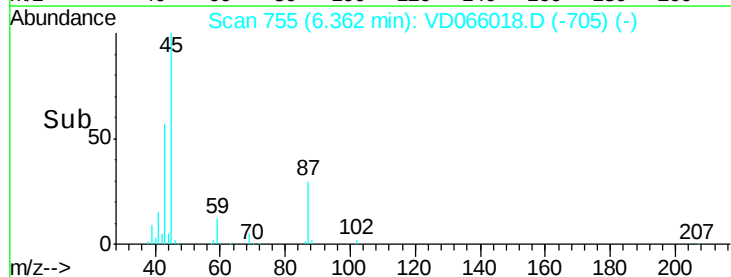
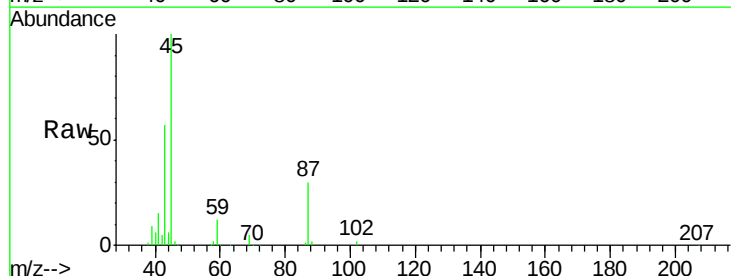
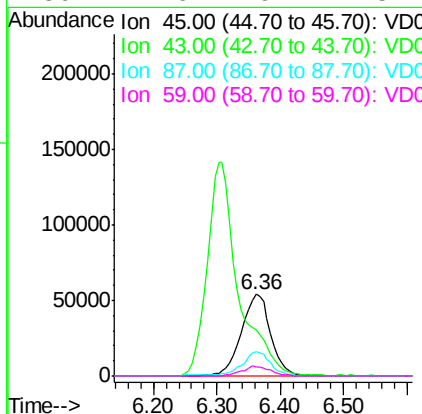
RT: 6.36 min Scan# 755

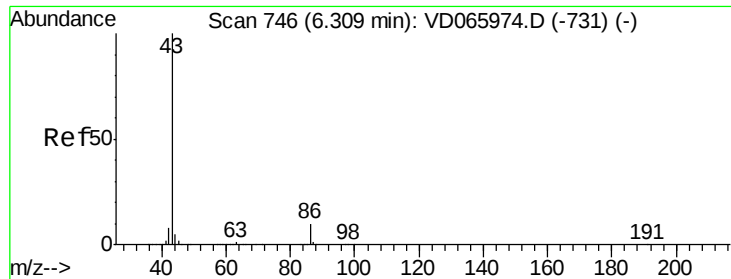
Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion:	45	Resp:	174819
Ion	Ratio	Lower	Upper
45	100		
43	55.6	43.0	64.4
87	29.8	22.0	33.0
59	11.6	9.1	13.7





#23

Vinyl Acetate

Concen: 104.641 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 43 Resp: 485689

Ion Ratio Lower Upper

43 100

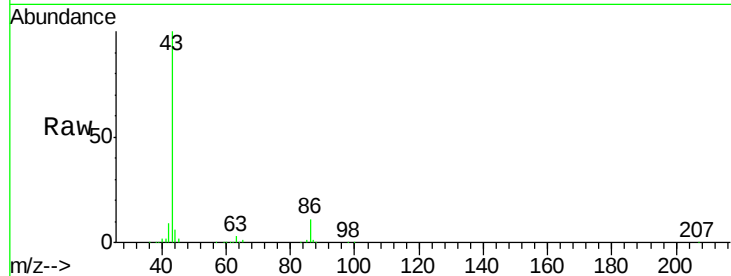
86 10.7 7.9 11.9

Manual Integrations

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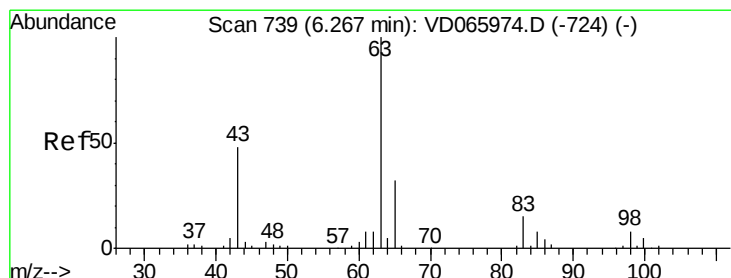
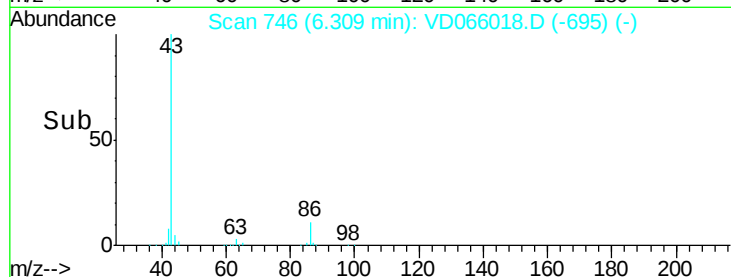
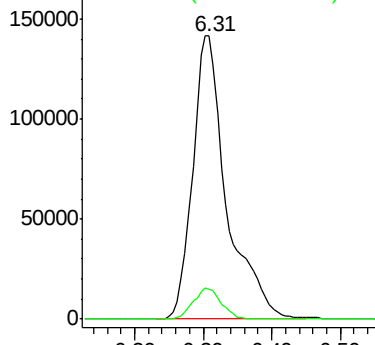
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.885 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

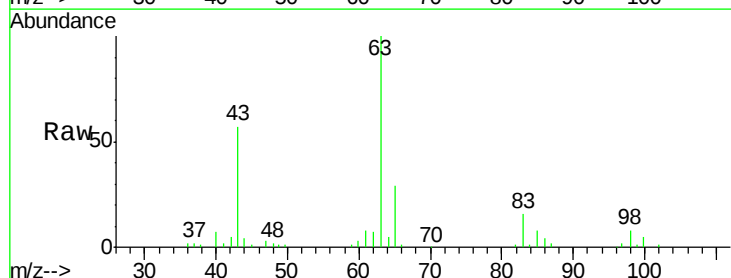
Tgt Ion: 63 Resp: 109133

Ion Ratio Lower Upper

63 100

98 7.8 4.3 12.8

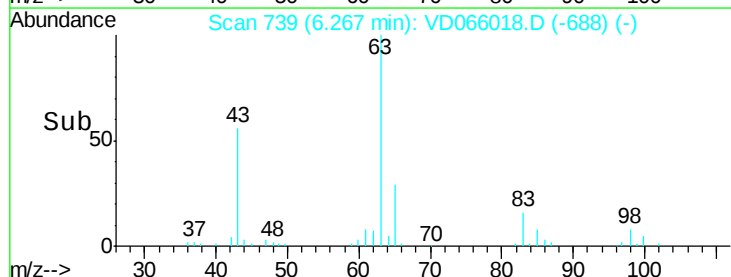
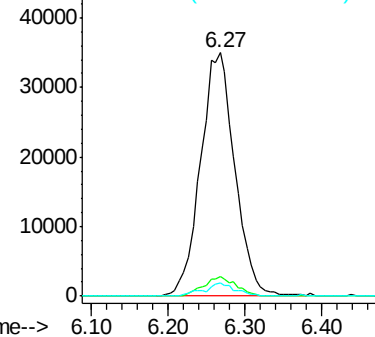
100 5.4 2.5 7.5

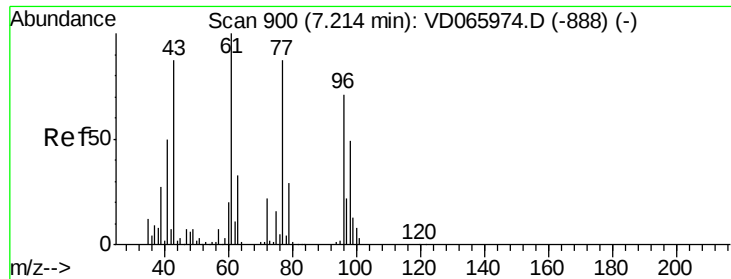


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 94.454 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 43 Resp: 69189

Ion Ratio Lower Upper

43 100

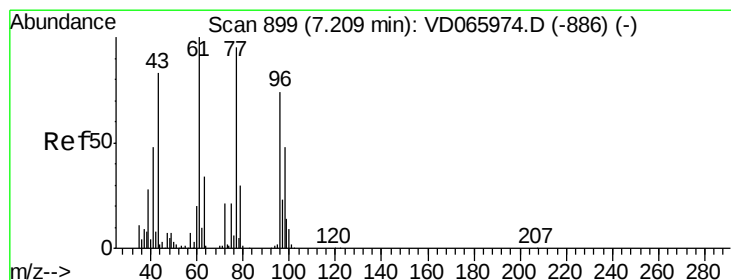
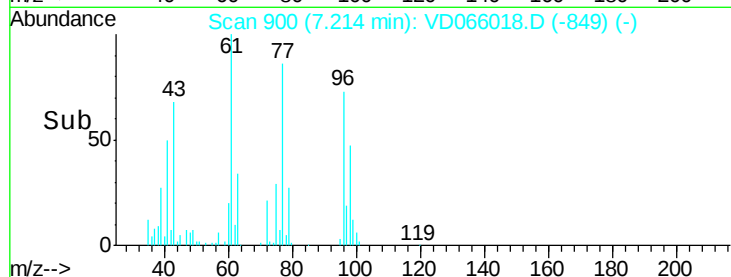
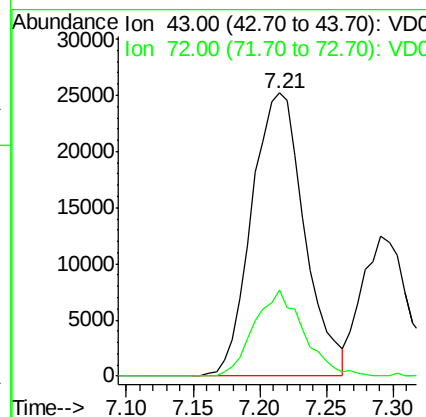
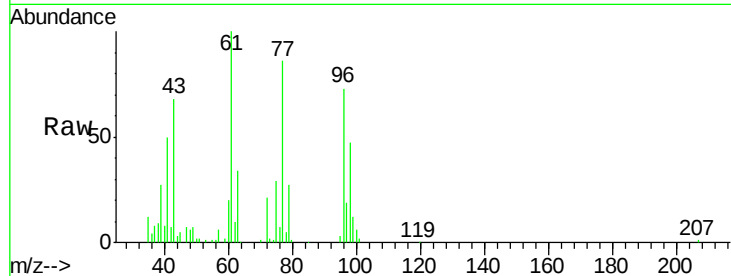
72 30.3 20.2 30.2#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.057 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066018.D

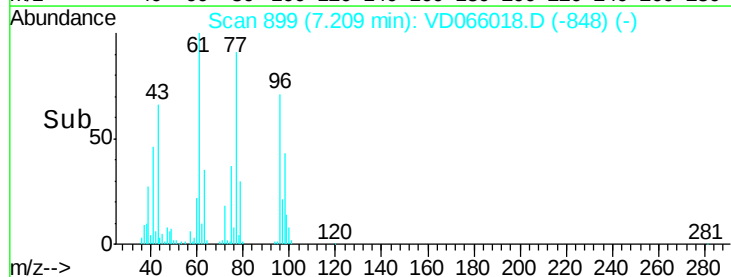
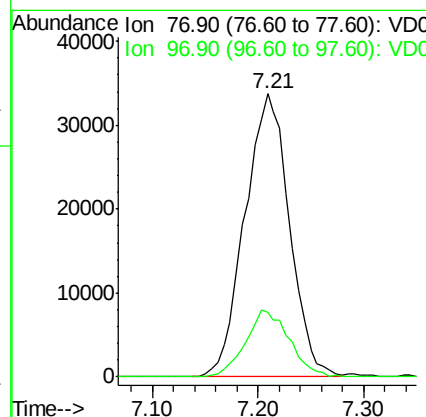
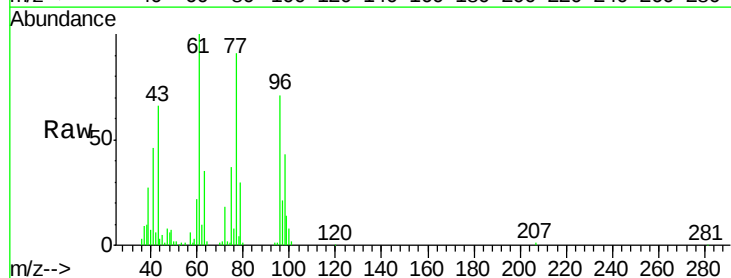
Acq: 23 Jul 2020 12:23

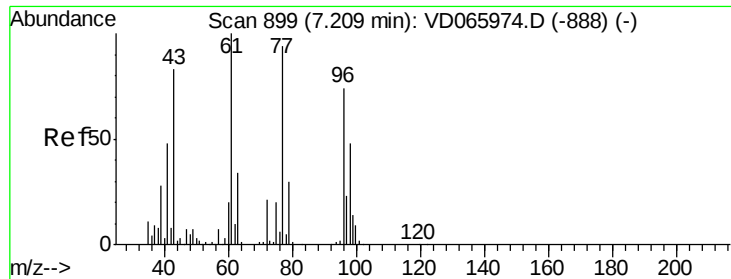
Tgt Ion: 77 Resp: 98909

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

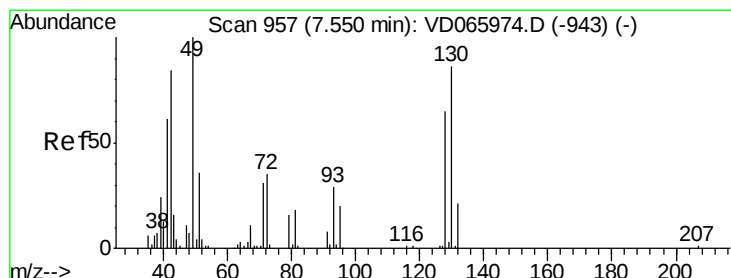
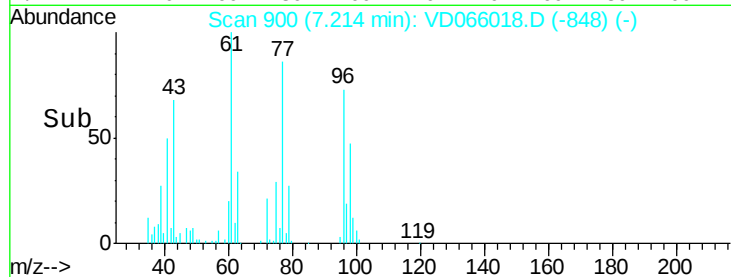
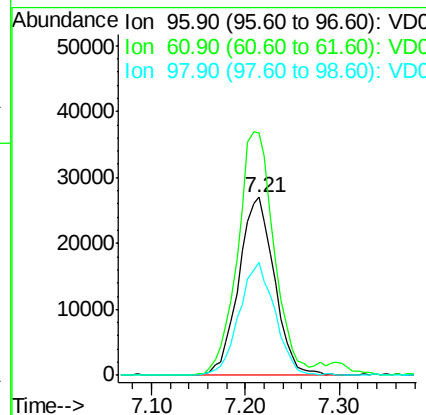
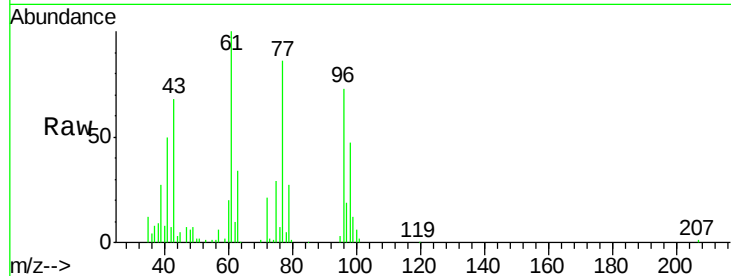
cis-1,2-Dichloroethene
 Concen: 21.447 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	276.6
98	63.2	0.0	130.8

Manual Integrations
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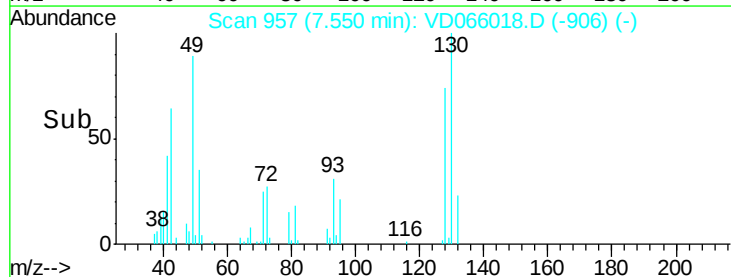
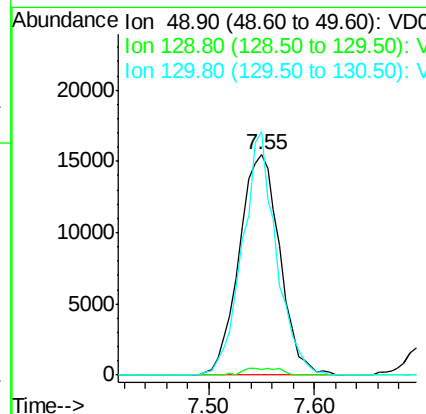
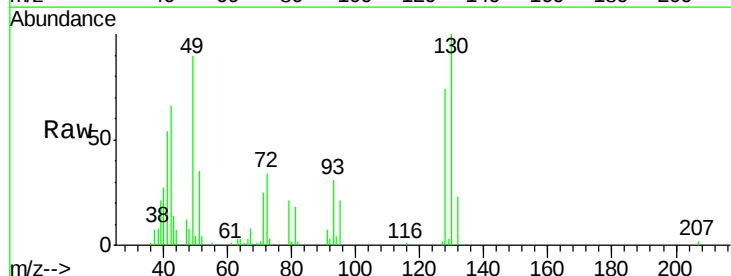
MMDadoda
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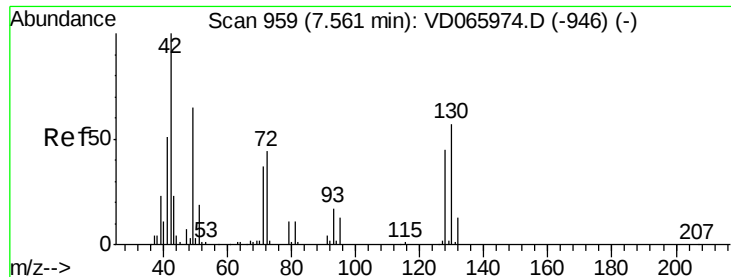


#28

Bromochloromethane
 Concen: 19.531 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	92.1	68.4	102.6





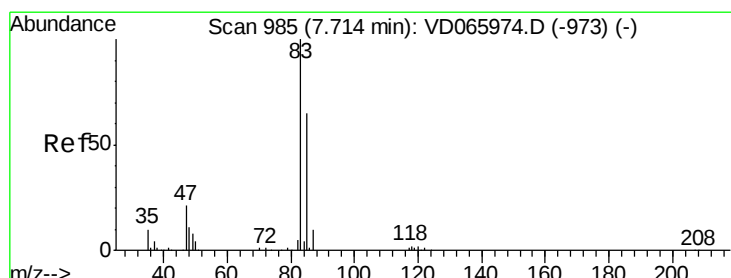
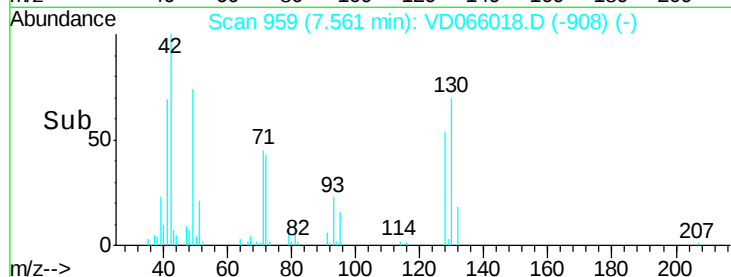
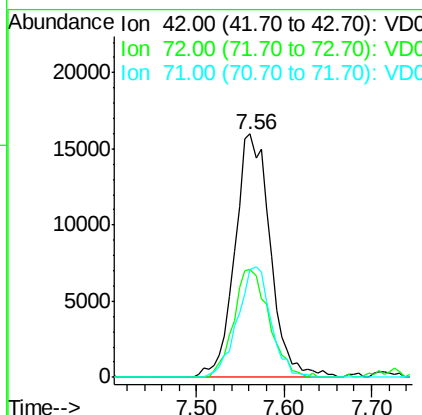
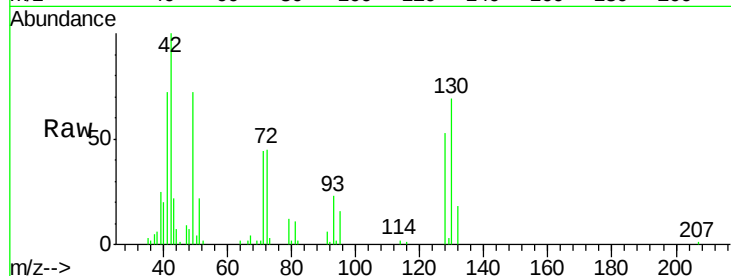
#29
Tetrahydrofuran
Concen: 97.156 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.2	51.2
71	42.3	31.4	47.2

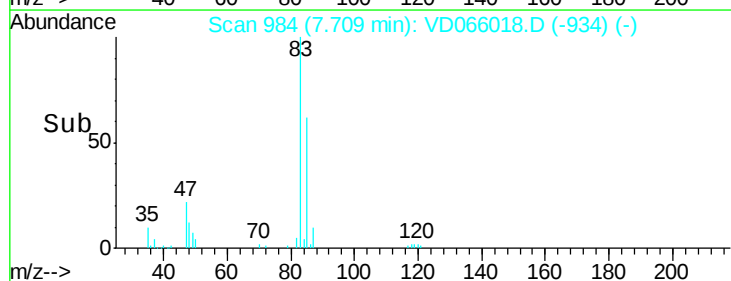
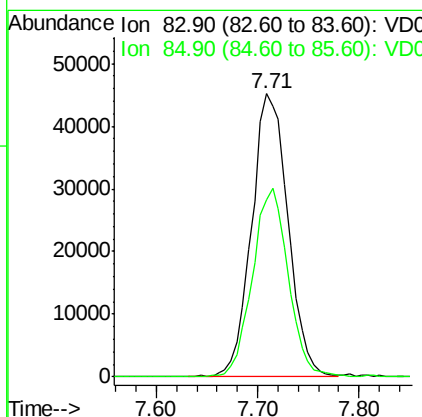
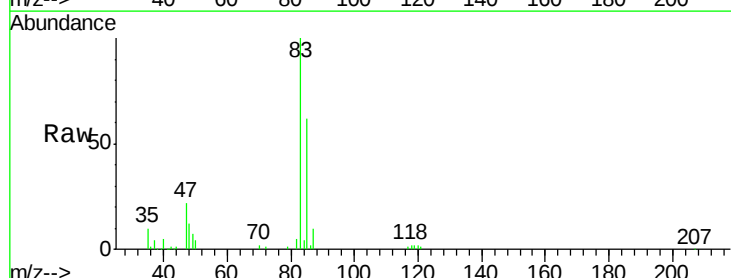
Manual Integrations
APPROVED

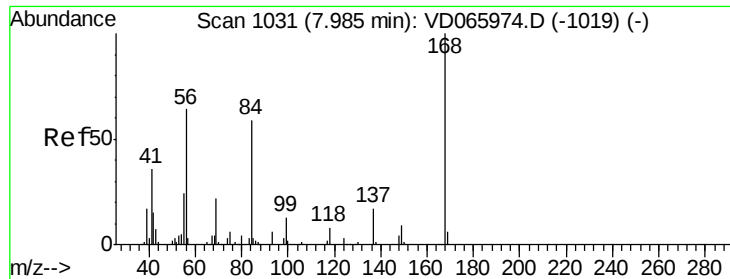
MMDadoda
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#30
Chloroform
Concen: 21.569 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.1	78.1





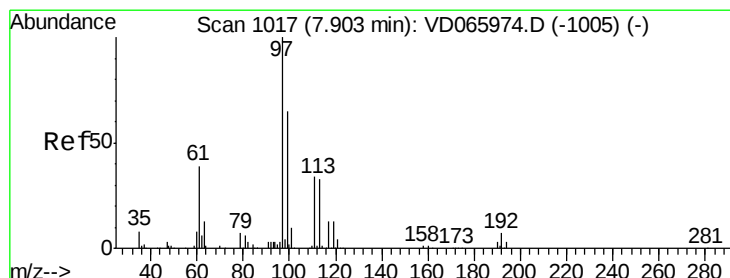
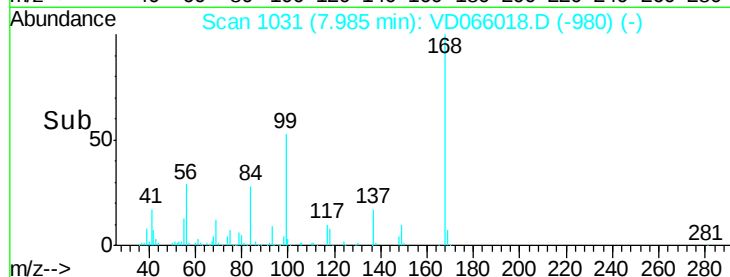
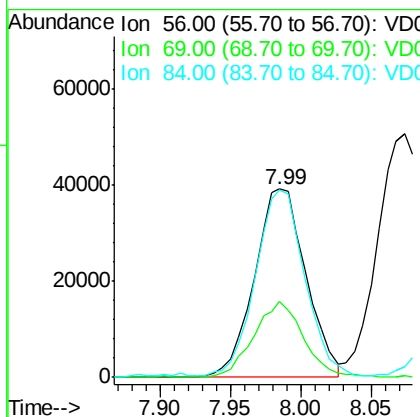
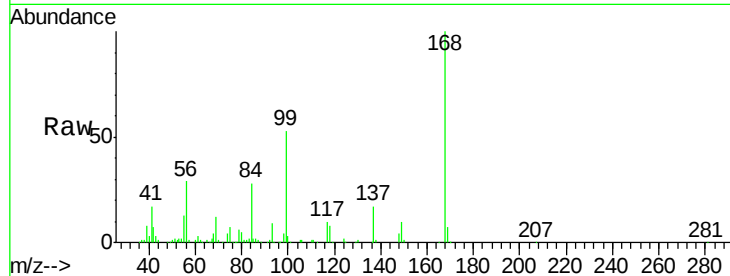
#31
Cyclohexane
Concen: 20.459 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	40.5	28.0	42.0	
84	98.4	72.6	109.0	

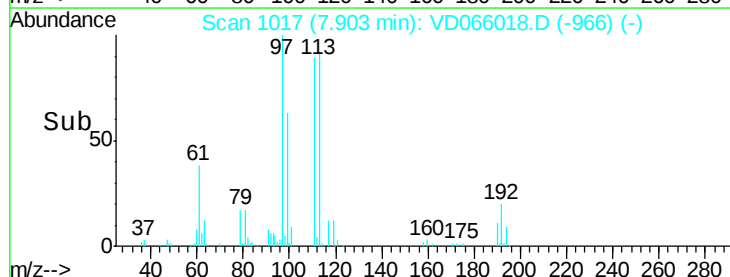
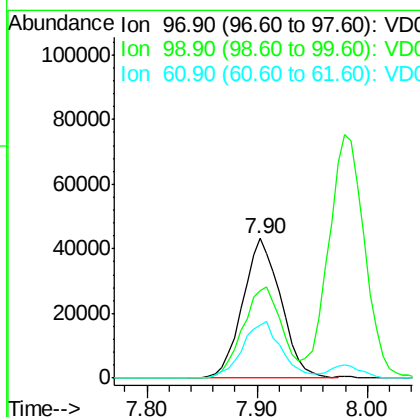
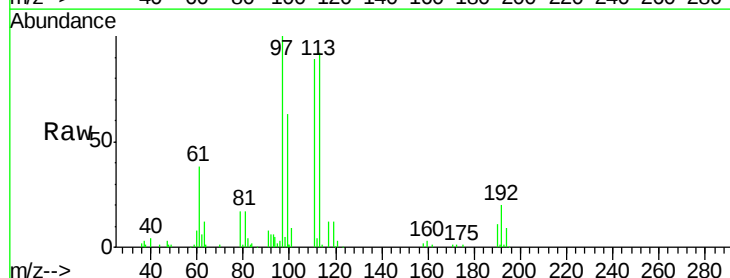
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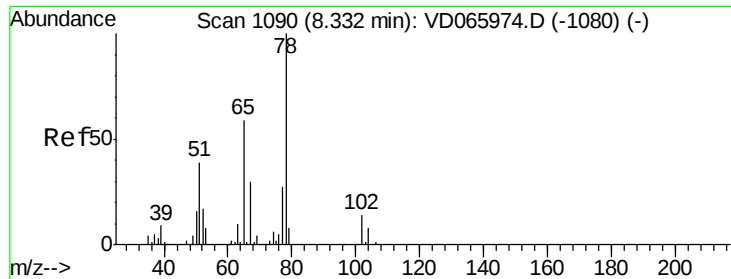
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.743 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	66.7	51.8	77.6	
61	41.4	33.3	49.9	





#33

1,2-Dichloroethane-d4

Concen: 49.440 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 65 Resp: 134838

Ion Ratio Lower Upper

65 100

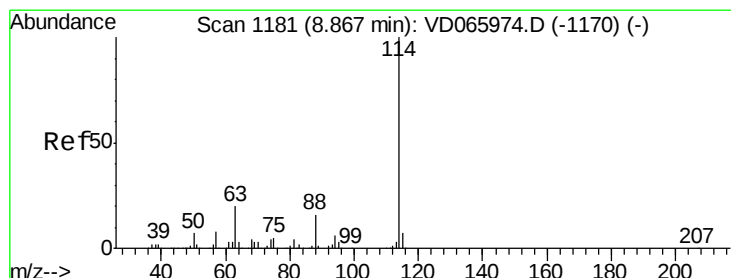
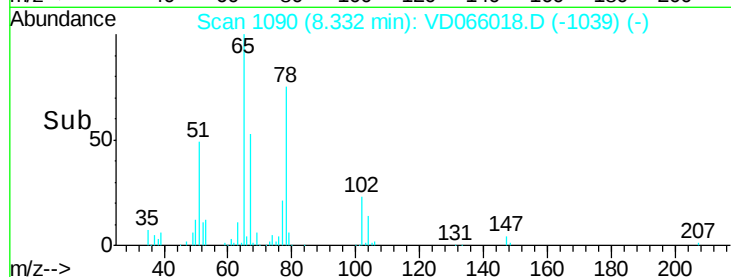
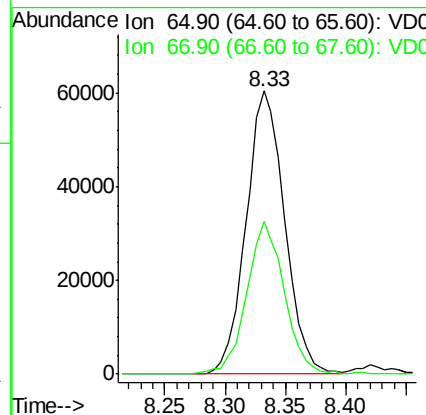
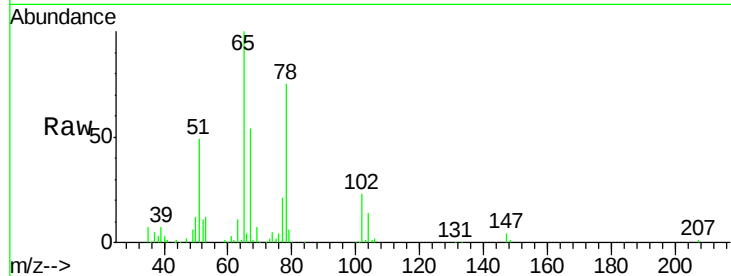
67 52.4 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

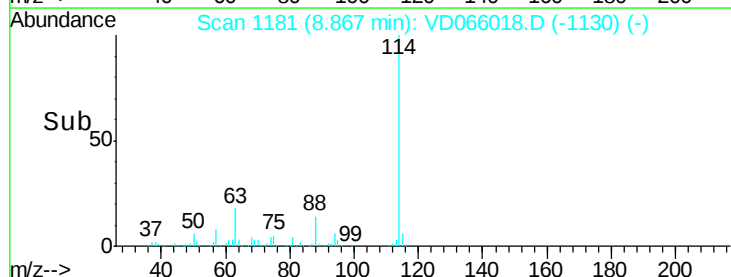
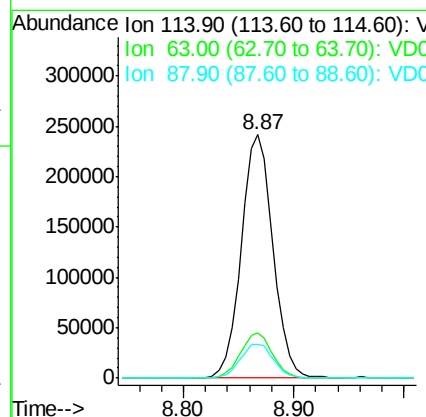
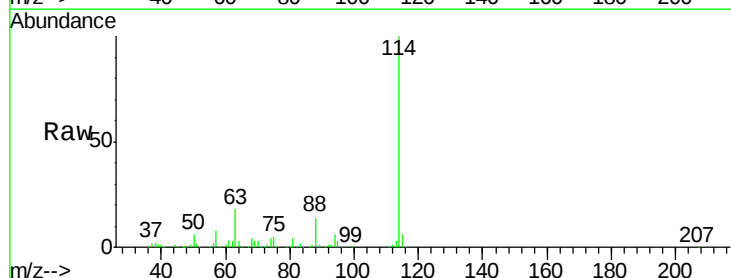
Tgt Ion: 114 Resp: 487231

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 13.9 0.0 31.2





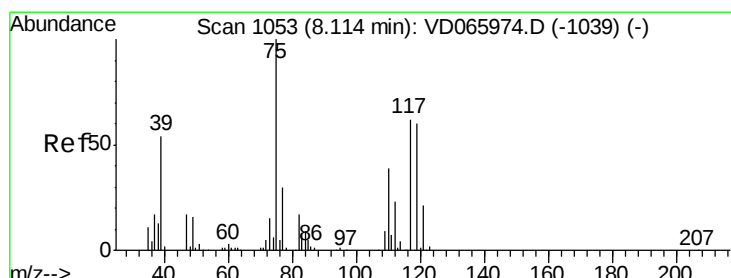
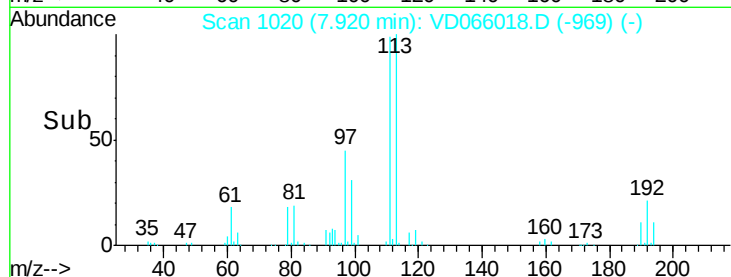
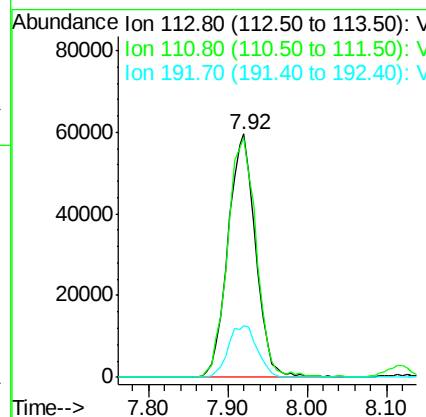
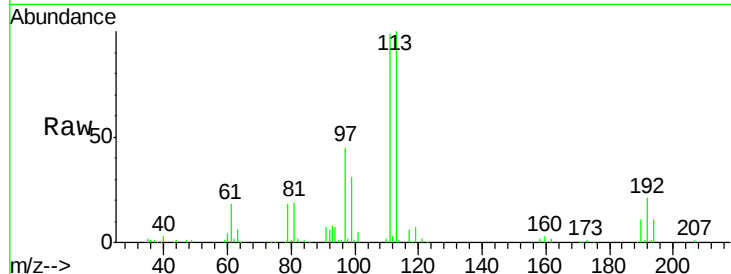
#35
 Dibromofluoromethane
 Concen: 48.543 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143455		
111	101.2	83.2	124.8	
192	22.3	18.7	28.1	

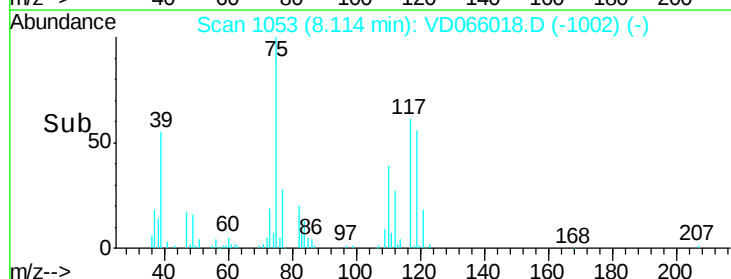
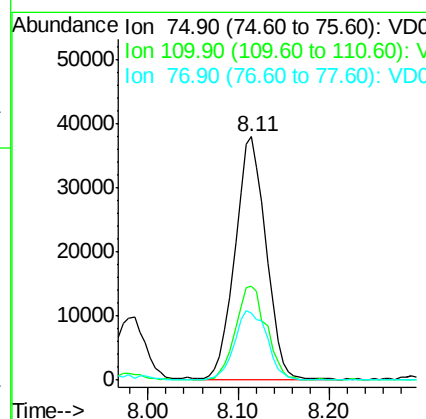
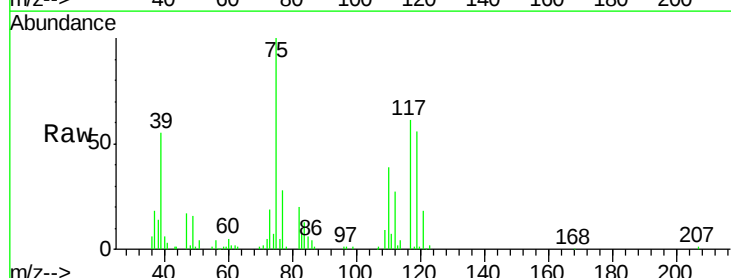
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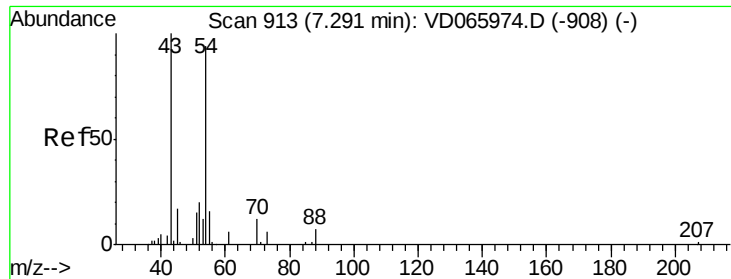
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#36
 1,1-Dichloropropene
 Concen: 21.811 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90695		
110	38.5	19.5	58.5	
77	29.7	24.7	37.1	





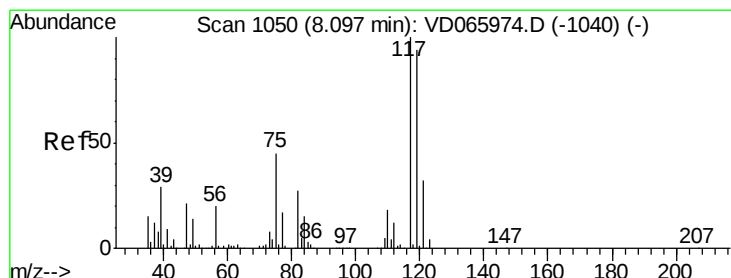
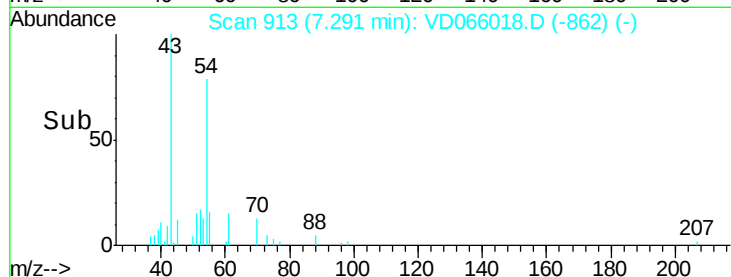
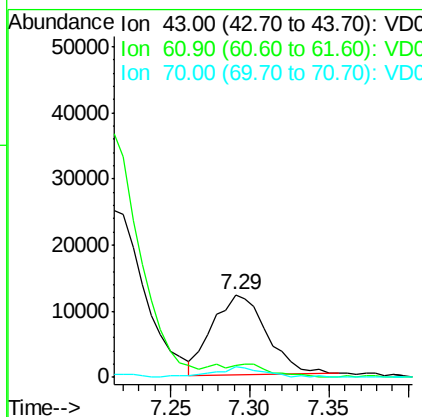
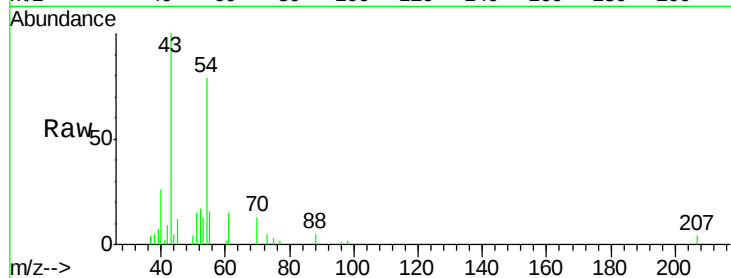
#37
Ethyl Acetate
Concen: 18.079 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	12.1	9.3	13.9

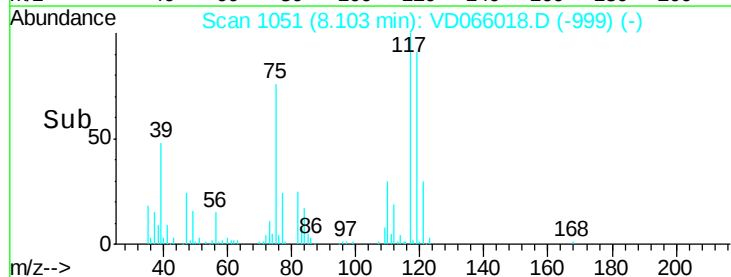
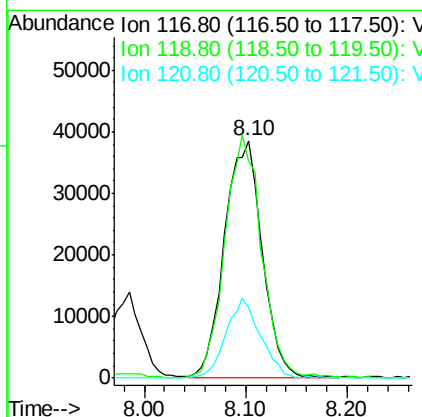
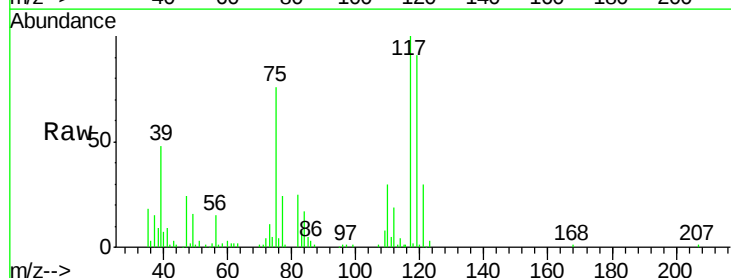
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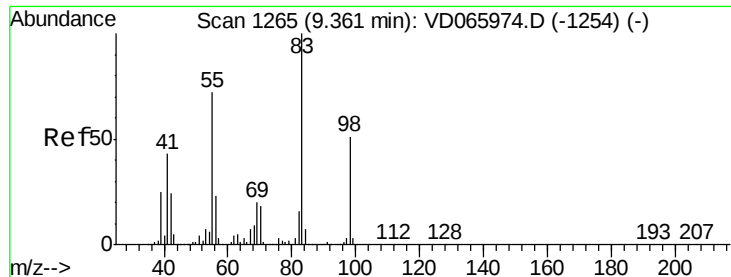
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#38
Carbon Tetrachloride
Concen: 22.157 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	75.0	112.6
121	29.8	25.5	38.3





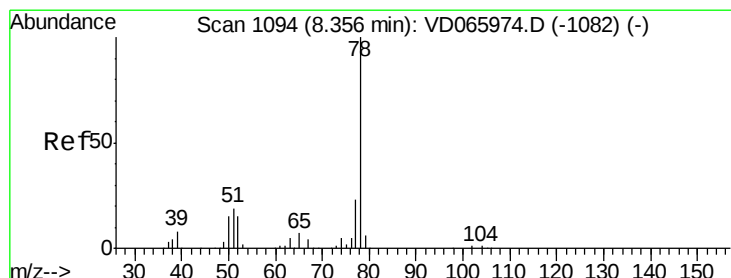
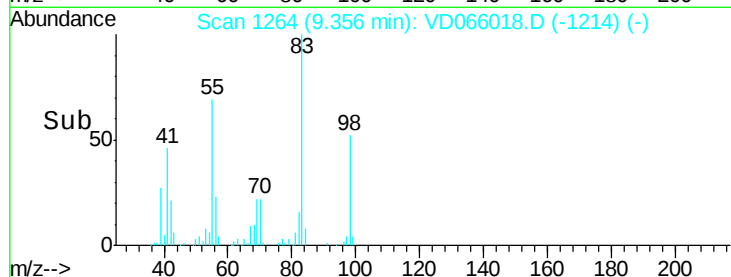
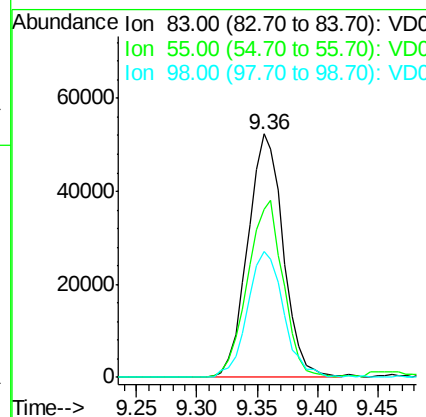
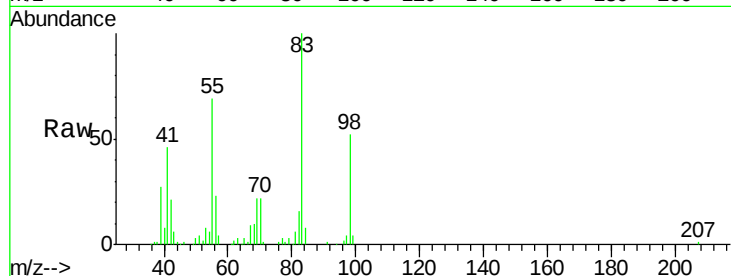
#39
Methvlcvclohexane
Concen: 21.383 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	57.3	85.9
98	51.7	41.0	61.6

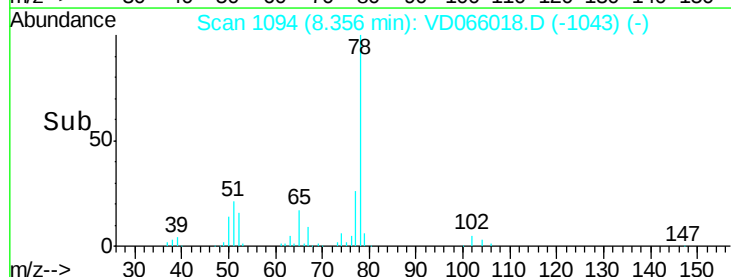
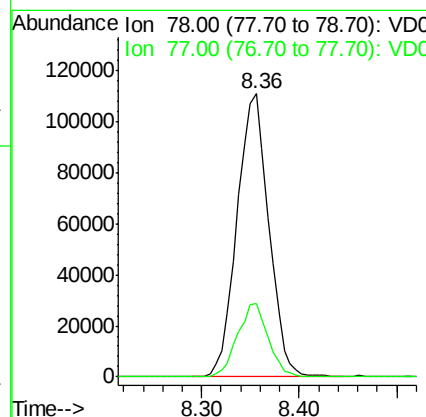
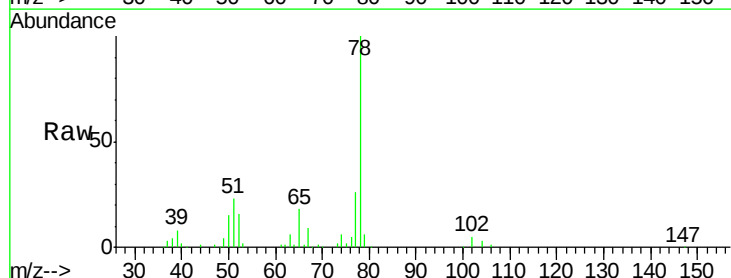
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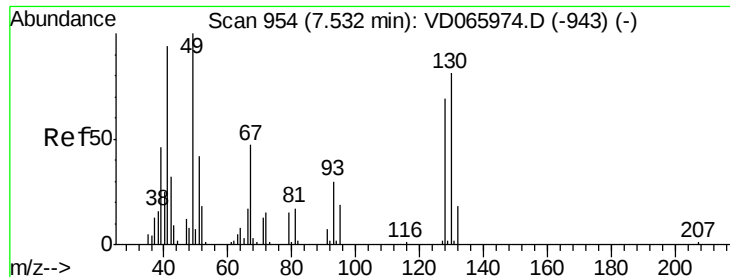
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#40
Benzene
Concen: 21.594 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.6	27.8





#41

Methacrylonitrile

Concen: 20.113 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 41 Resp: 18297

Ion Ratio Lower Upper

41 100

39 77.1 0.0 0.0#

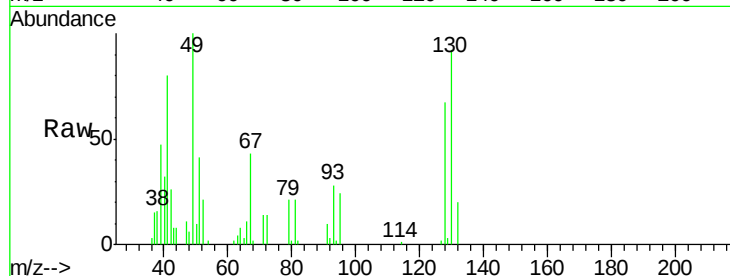
67 67.7 0.0 0.0#

52 33.6 0.0 0.0#

Manual Integrations
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MMDadoda

7/24/2020 12:59:50 PM

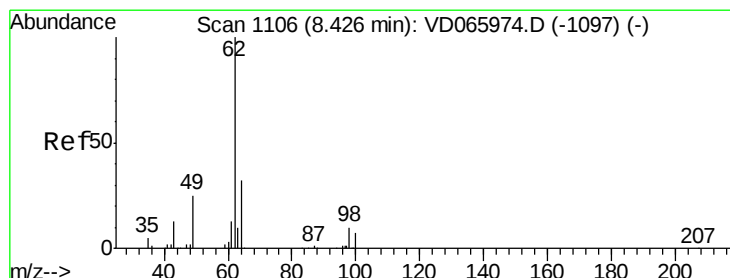
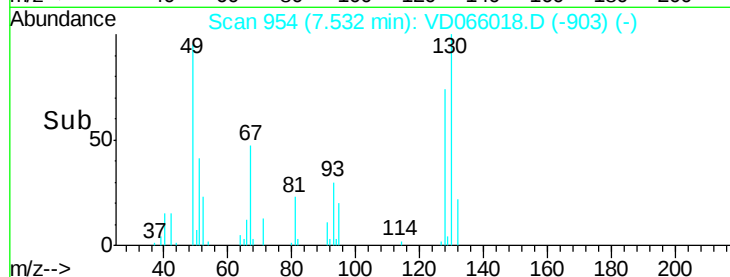
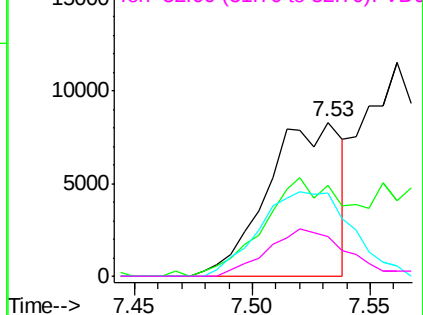


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.438 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD066018.D

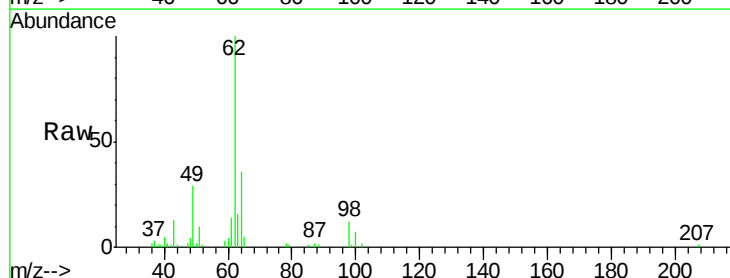
Acq: 23 Jul 2020 12:23

Tgt Ion: 62 Resp: 71529

Ion Ratio Lower Upper

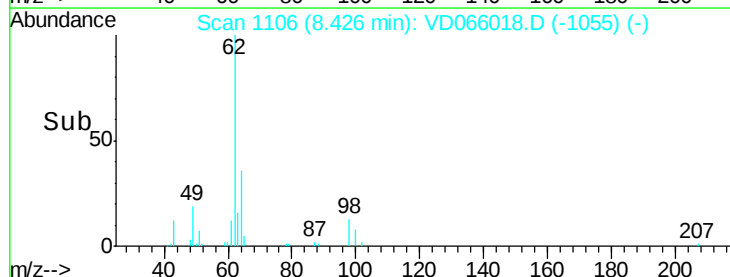
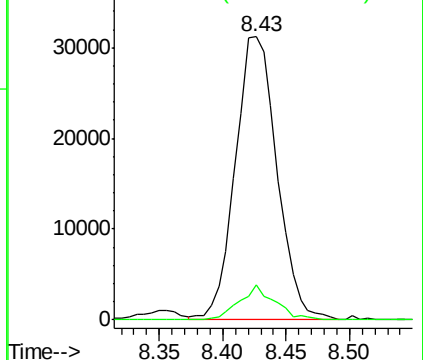
62 100

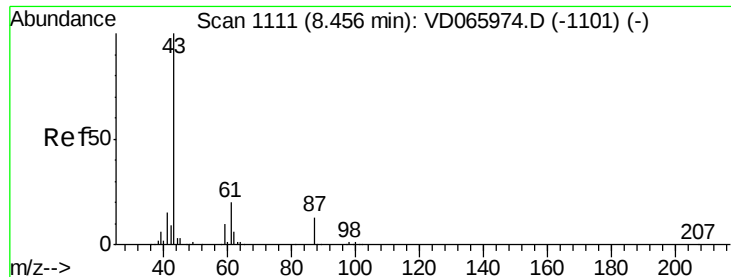
98 10.4 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





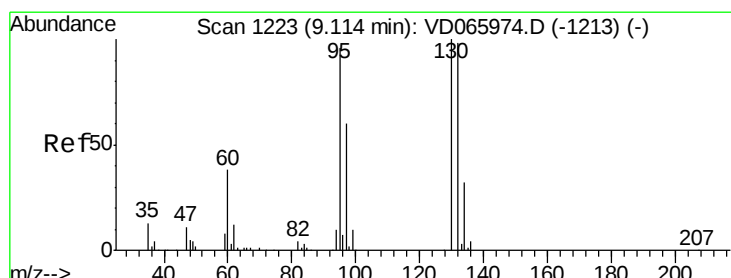
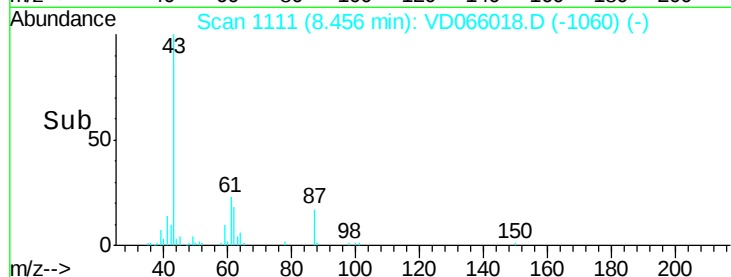
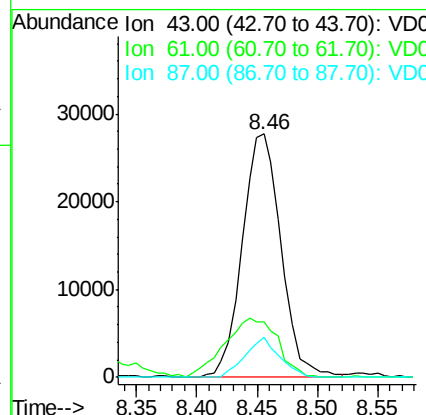
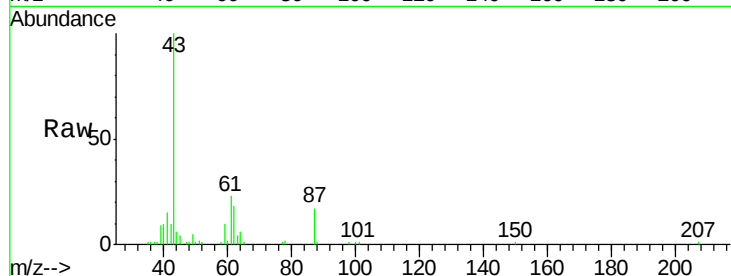
#43
Isopropyl Acetate
Concen: 19.950 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	43	Resp	61877
Ion Ratio	100	Lower	Upper
43	100		
61	33.2	25.8	38.8
87	14.4	10.9	16.3

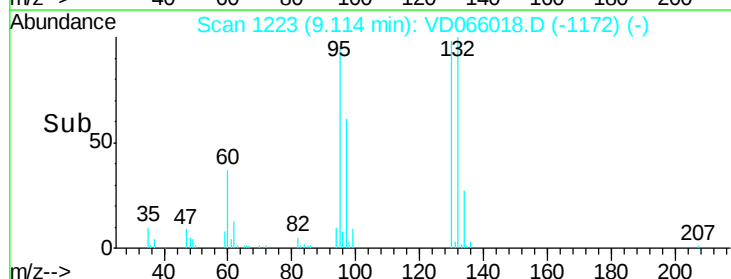
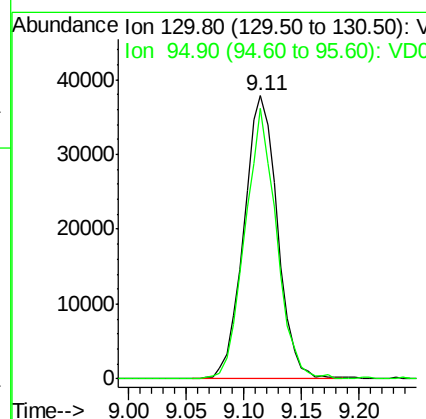
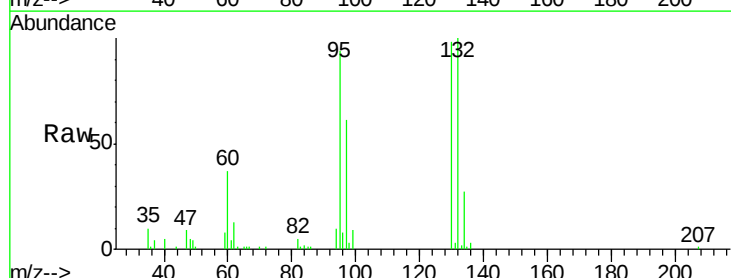
Manual Integrations
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#44
Trichloroethene
Concen: 21.716 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	130	Resp	76451
Ion Ratio	100	Lower	Upper
130	100		
95	95.5	0.0	191.6





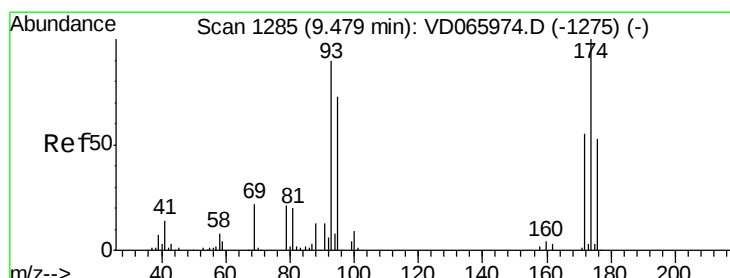
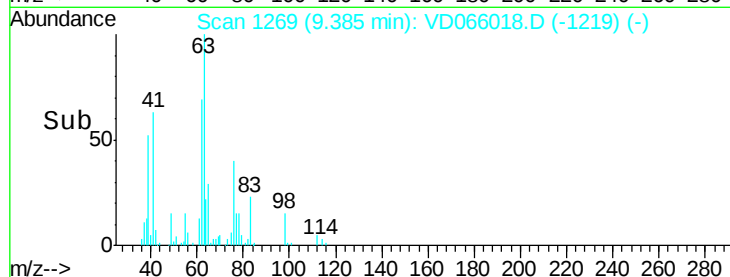
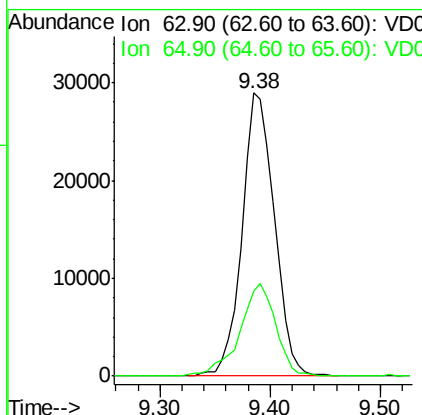
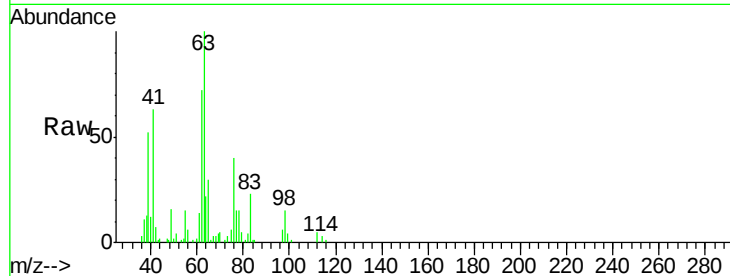
#45
 1,2-Dichloropropane
 Concen: 21.154 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion: 63 Resp: 59602
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.0 36.0

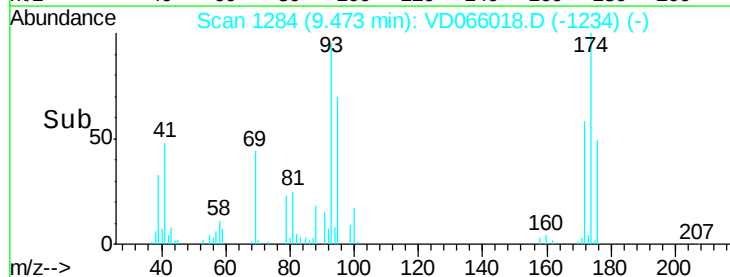
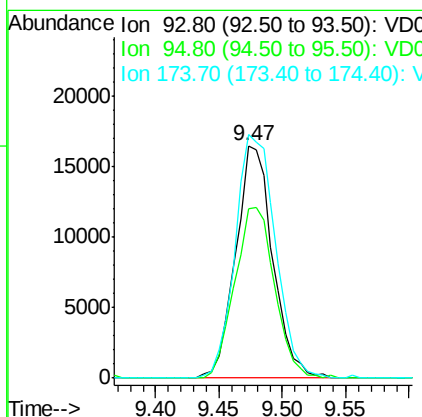
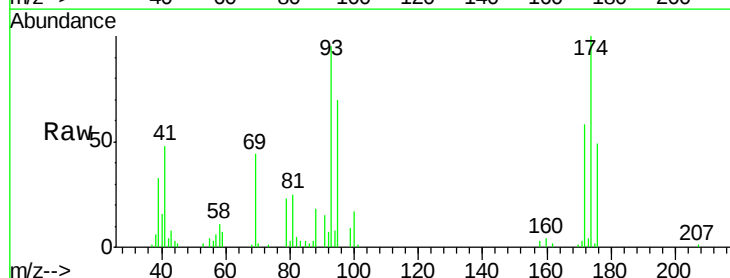
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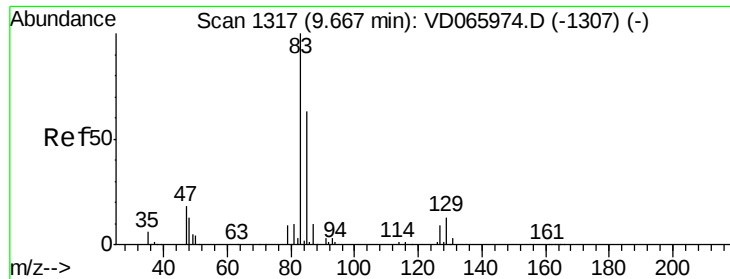
MMDadoda
 7/24/2020 12:59:50 PM



#46
 Dibromomethane
 Concen: 21.997 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 93 Resp: 33365
 Ion Ratio Lower Upper
 93 100
 95 79.0 66.2 99.4
 174 114.0 91.5 137.3





#47

Bromodichloromethane

Concen: 21.404 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

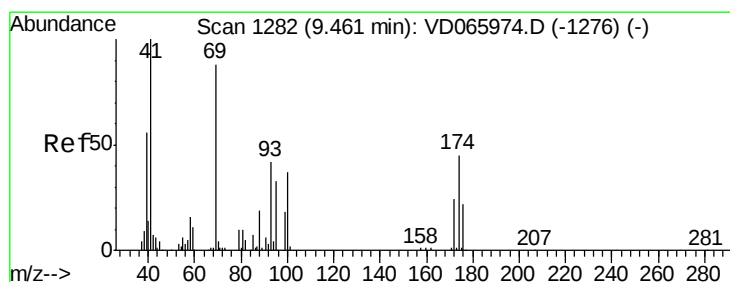
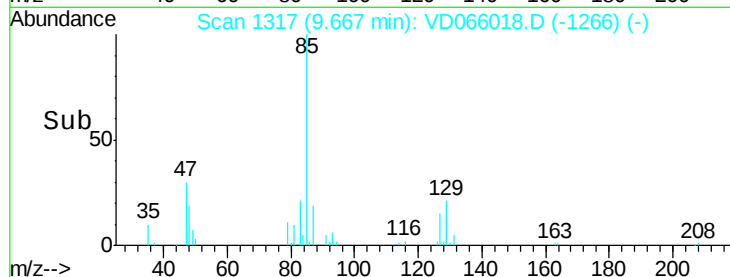
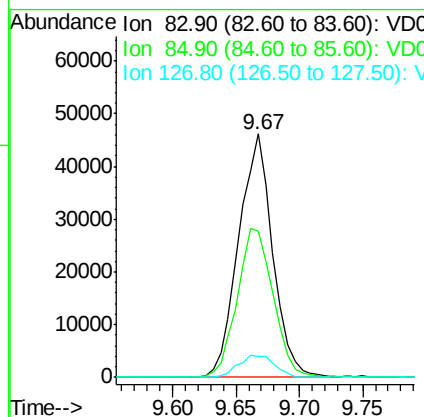
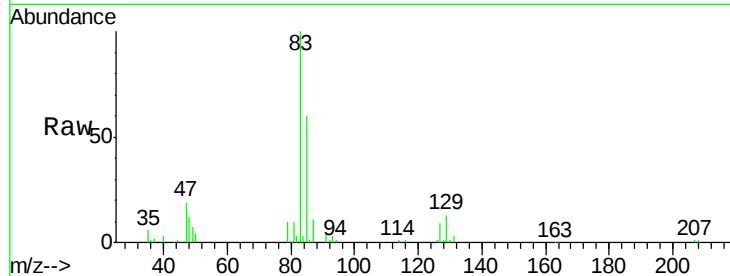
ClientSampleId :

VD0723SBS01

Tot Ion:	83	Resp:	85842
Ion	Ratio	Lower	Upper
83	100		
85	59.9	50.6	75.8
127	8.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.947 ug/l

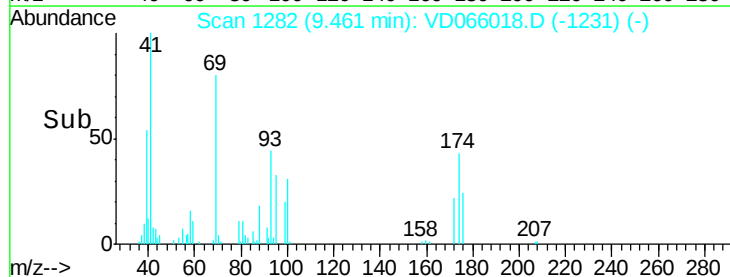
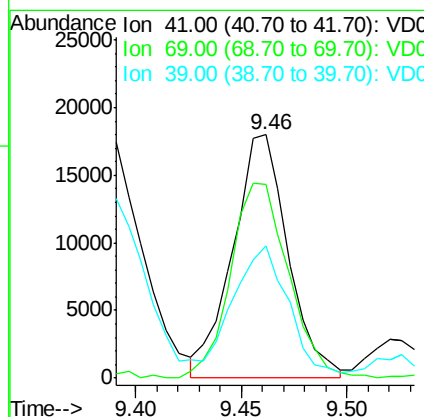
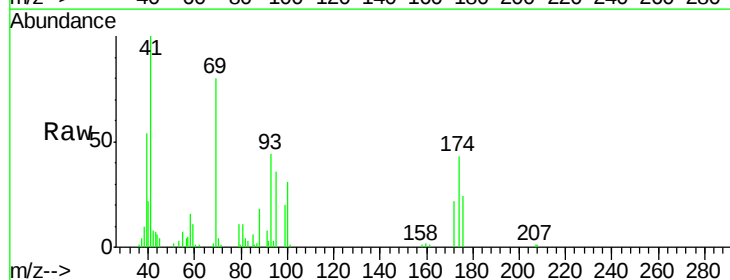
RT: 9.46 min Scan# 1282

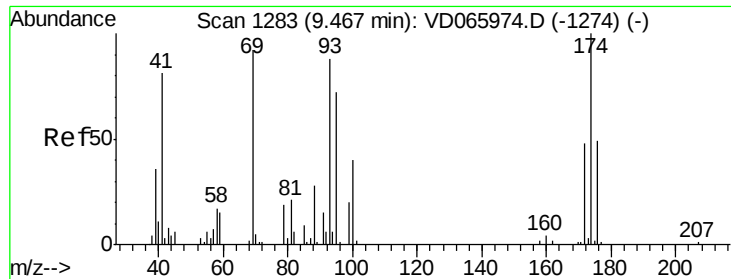
Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion:	41	Resp:	32773
Ion	Ratio	Lower	Upper
41	100		
69	83.9	65.1	97.7
39	50.0	41.5	62.3





#49

1,4-Dioxane

Concen: 432.323 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

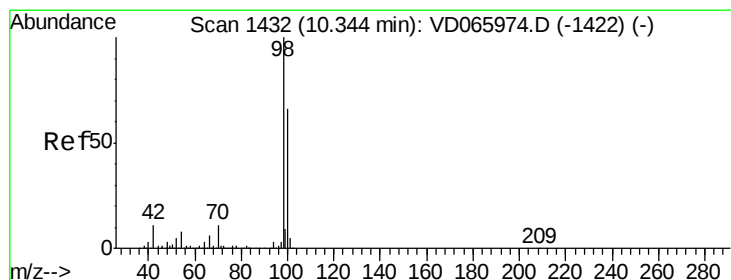
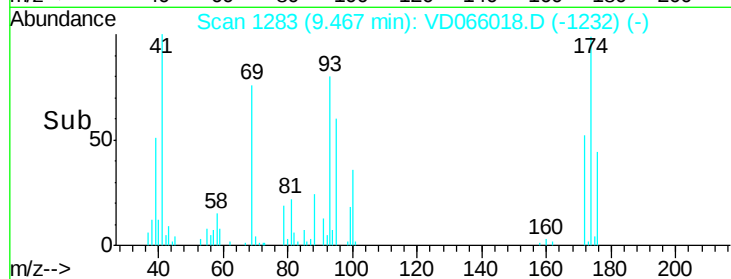
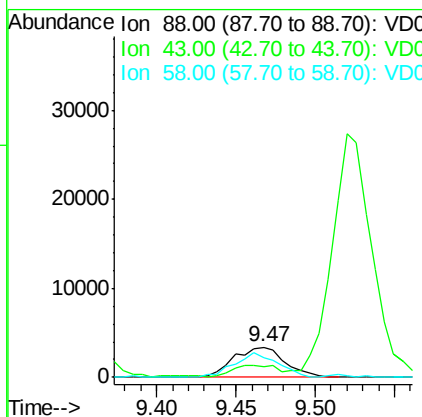
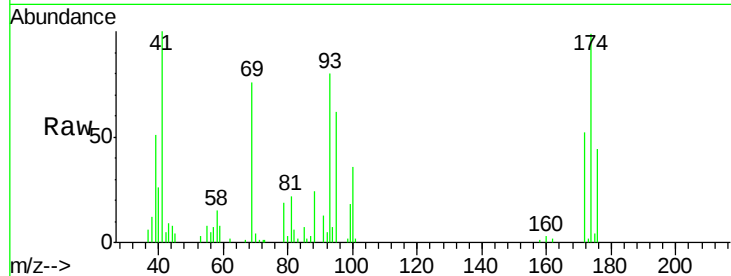
ClientSampleId :

VD0723SBS01

Tot Ion:	88	Resp:	7597
Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.0	43.6
58	68.9	57.0	85.4

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#50

Toluene-d8

Concen: 50.620 ug/l

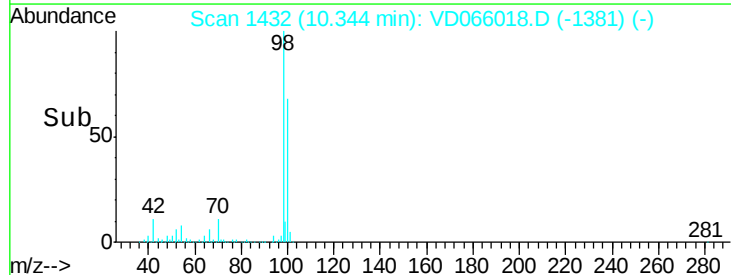
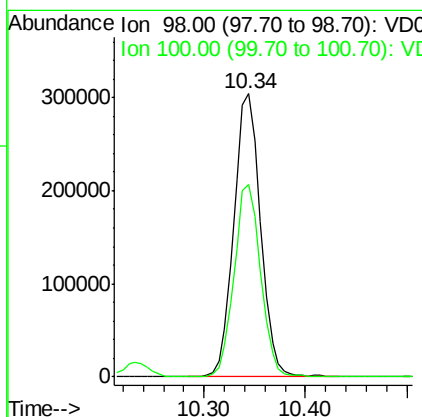
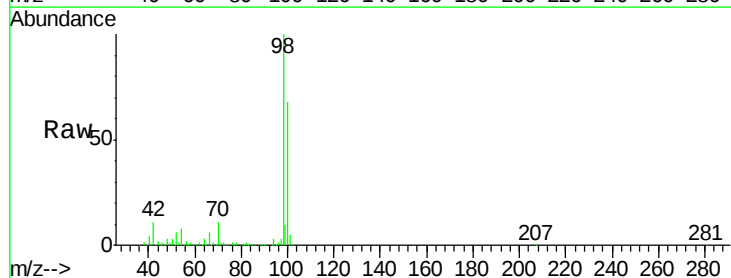
RT: 10.34 min Scan# 1432

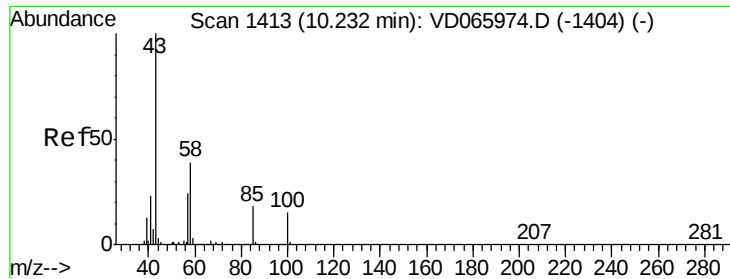
Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion:	98	Resp:	557270
Ion	Ratio	Lower	Upper
98	100		
100	67.6	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 101.919 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 43 Resp: 159279

Ion Ratio Lower Upper

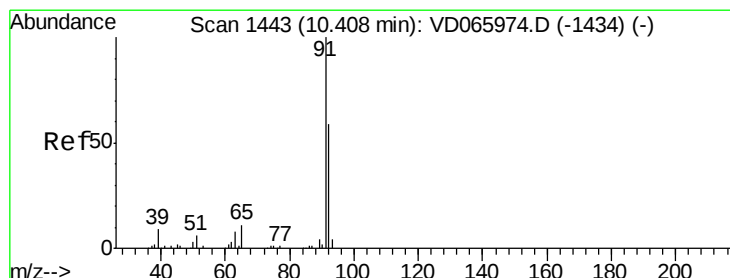
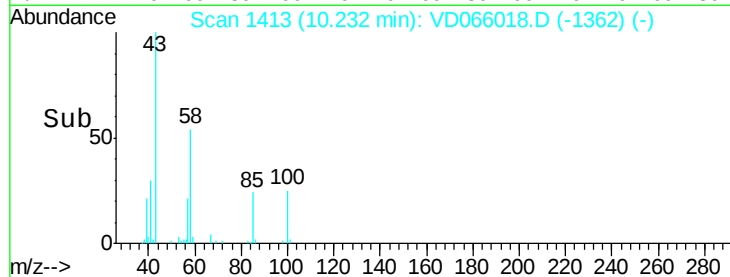
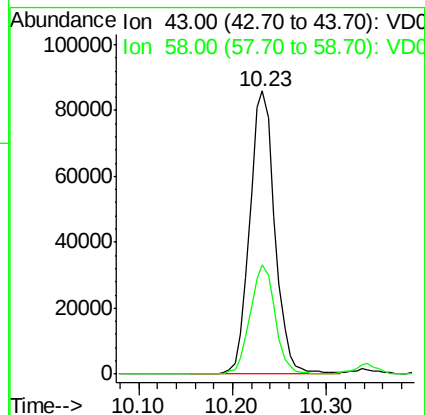
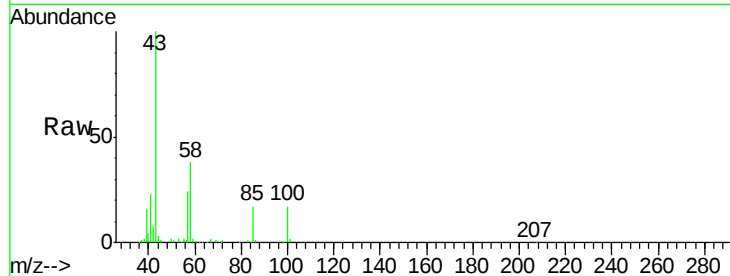
43 100

58 38.0 31.3 46.9

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#52

Toluene

Concen: 22.343 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD066018.D

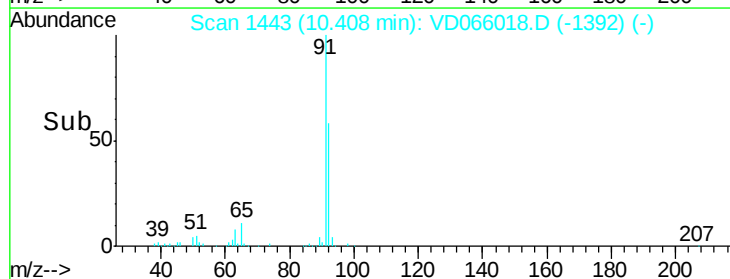
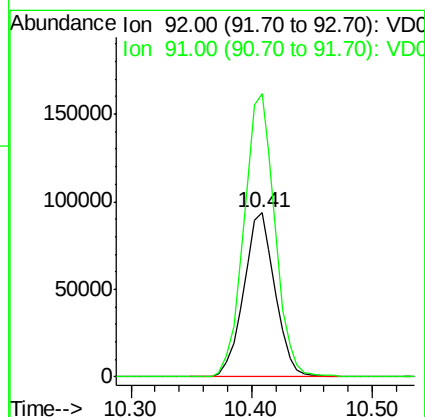
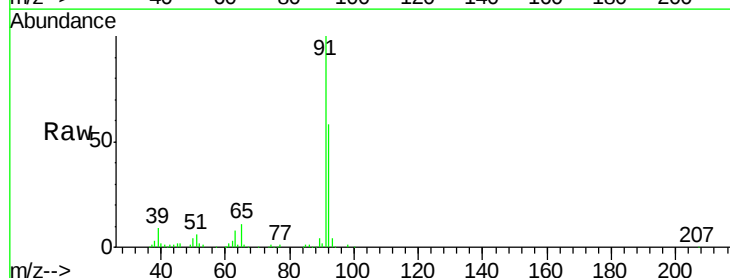
Acq: 23 Jul 2020 12:23

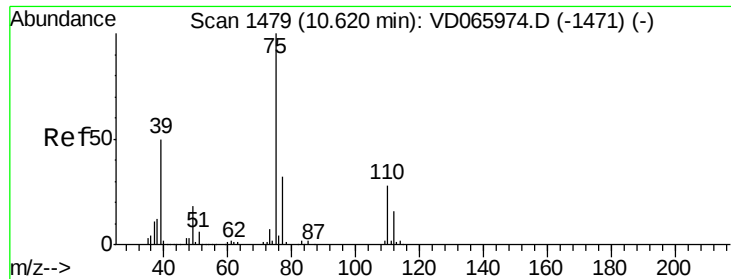
Tgt Ion: 92 Resp: 169506

Ion Ratio Lower Upper

92 100

91 170.7 134.5 201.7





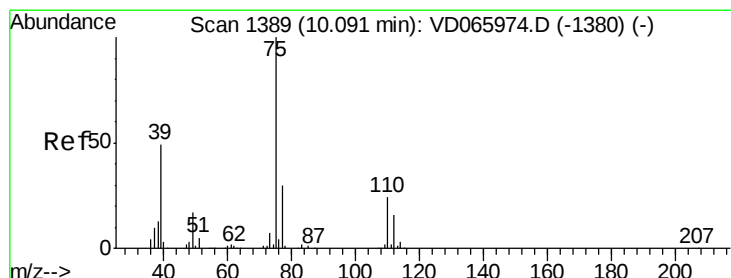
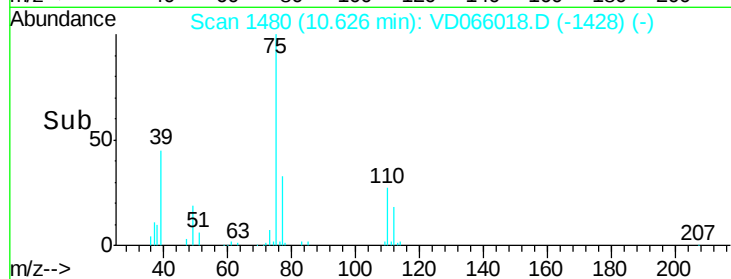
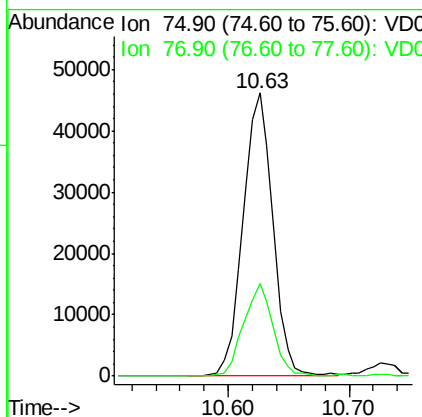
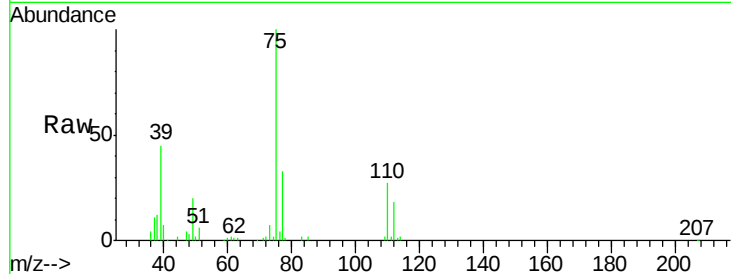
#53
 t-1,3-Dichloropropene
 Concen: 21.354 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion: 75 Resp: 79785
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.8 38.6

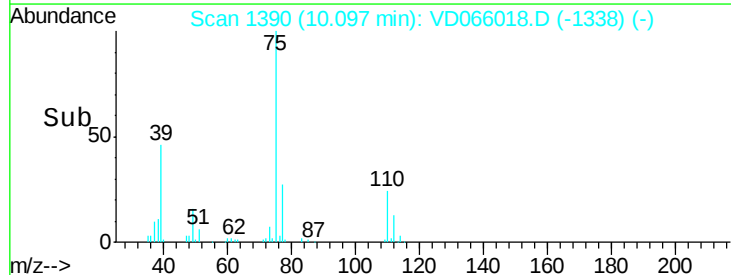
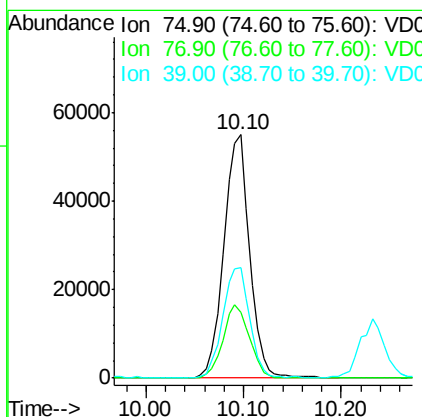
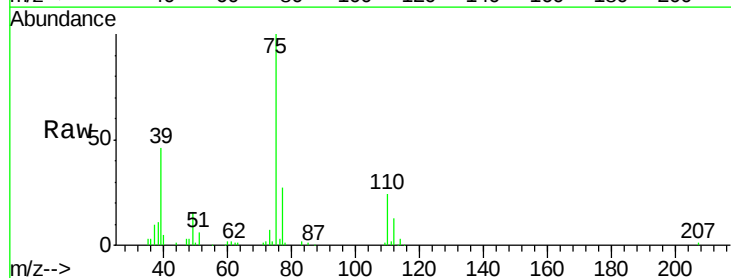
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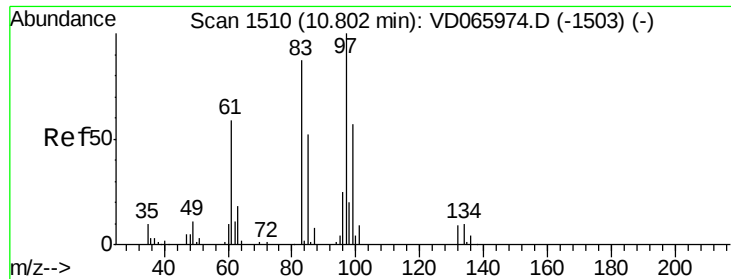
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#54
 cis-1,3-Dichloropropene
 Concen: 22.224 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 75 Resp: 100654
 Ion Ratio Lower Upper
 75 100
 77 26.9 23.8 35.8
 39 45.6 38.8 58.2





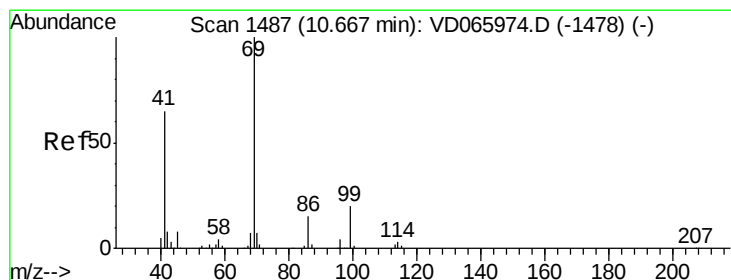
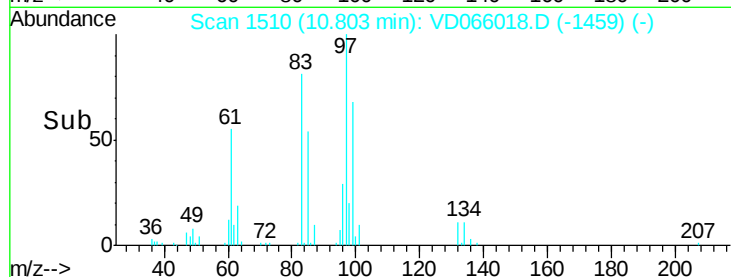
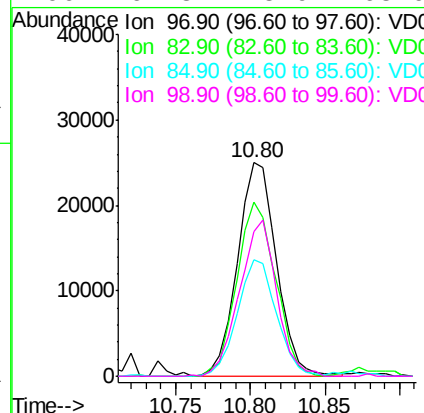
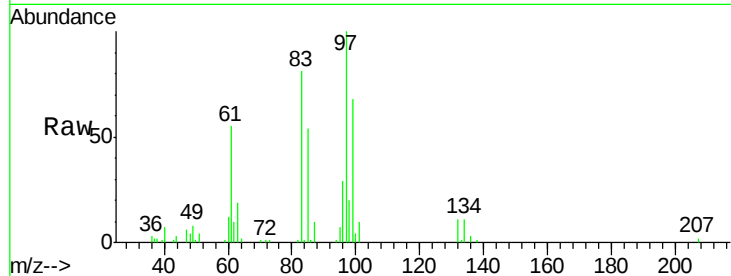
#55
 1,1,2-Trichloroethane
 Concen: 21.118 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion:	97	Resp:	45427
Ion	Ratio	Lower	Upper
97	100		
83	81.5	69.7	104.5
85	54.3	41.6	62.4
99	67.8	45.9	68.9

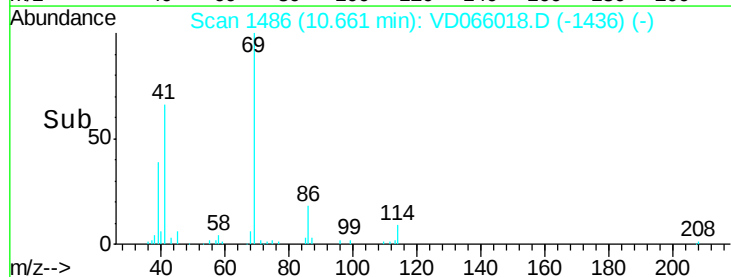
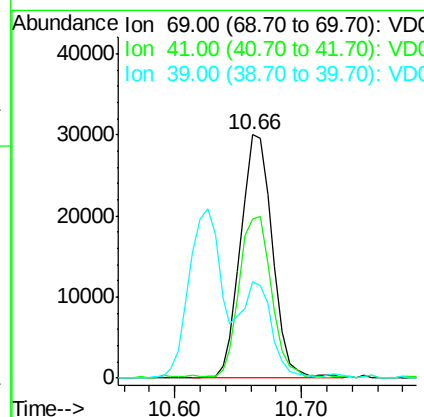
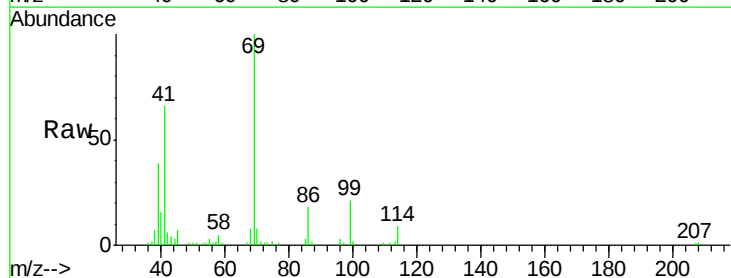
Manual Integrations
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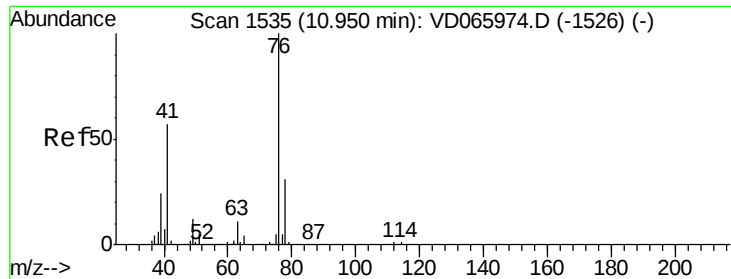
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.926 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion:	69	Resp:	52337
Ion	Ratio	Lower	Upper
69	100		
41	68.0	52.3	78.5
39	33.4	25.2	37.8





#57

1,3-Dichloropropane

Concen: 21.325 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 76 Resp: 75942

Ion Ratio Lower Upper

76 100

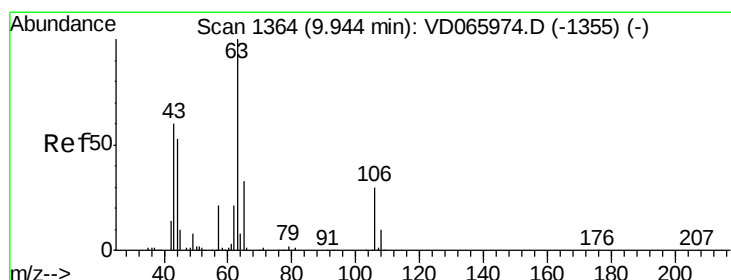
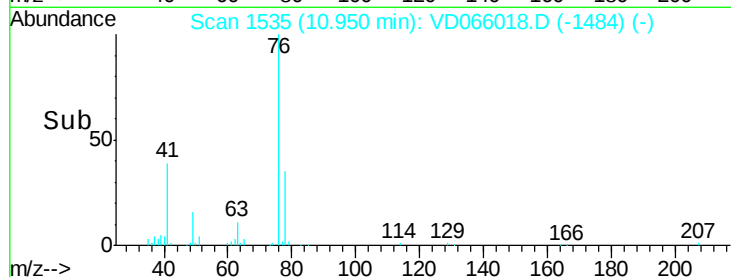
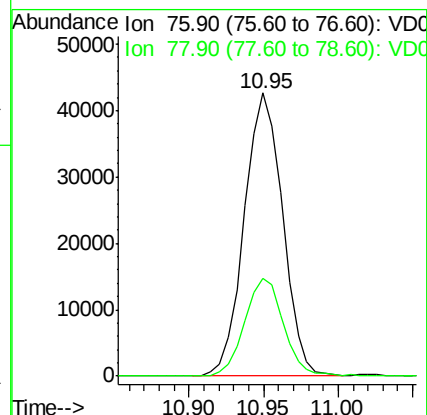
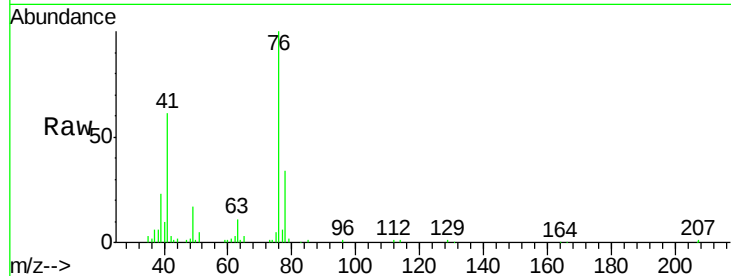
78 34.8 25.6 38.4

Manual Integrations

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7/24/2020 12:59:50 PM



#58

2-Chloroethyl Vinyl ether

Concen: 110.461 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD066018.D

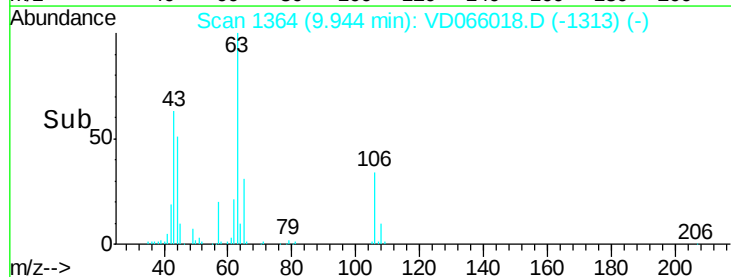
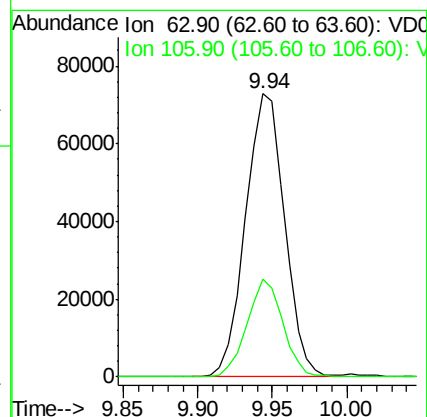
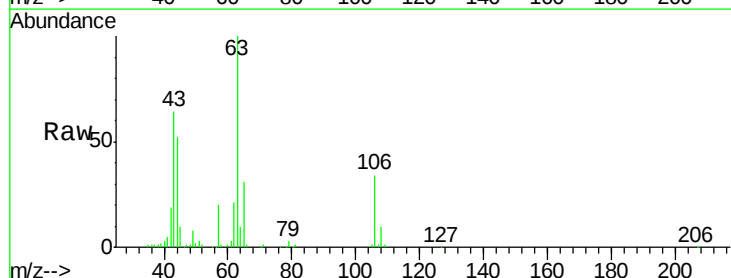
Acq: 23 Jul 2020 12:23

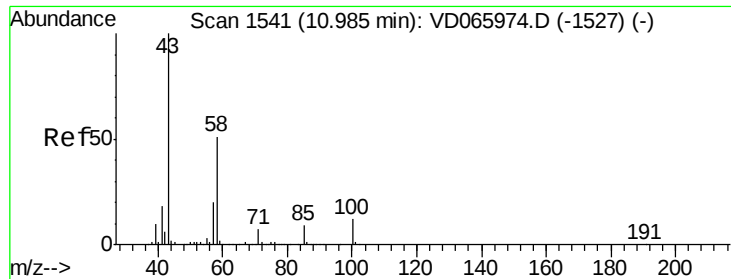
Tgt Ion: 63 Resp: 131974

Ion Ratio Lower Upper

63 100

106 31.7 24.4 36.6





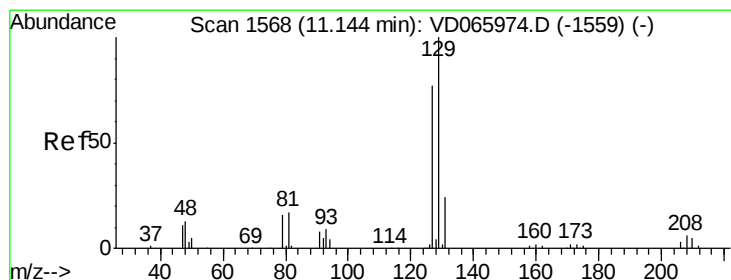
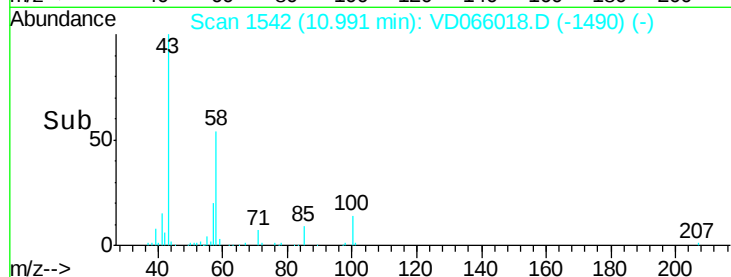
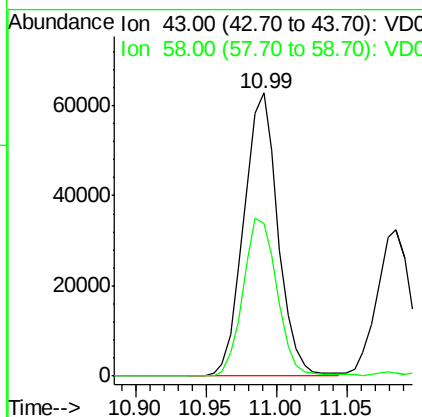
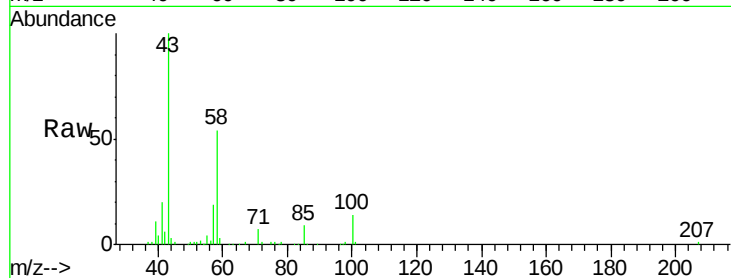
#59
2-Hexanone
Concen: 98.764 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion: 43 Resp: 106962
Ion Ratio Lower Upper
43 100
58 55.6 26.2 78.6

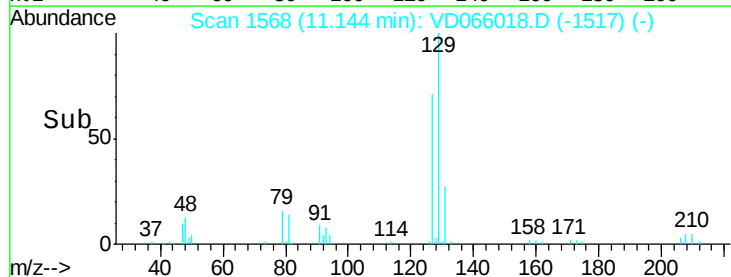
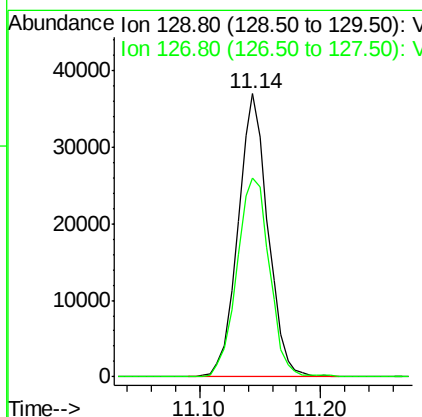
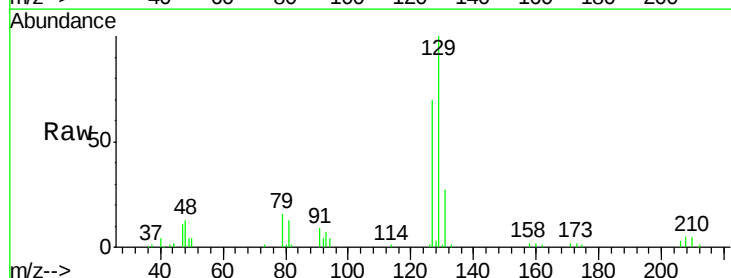
Manual Integrations
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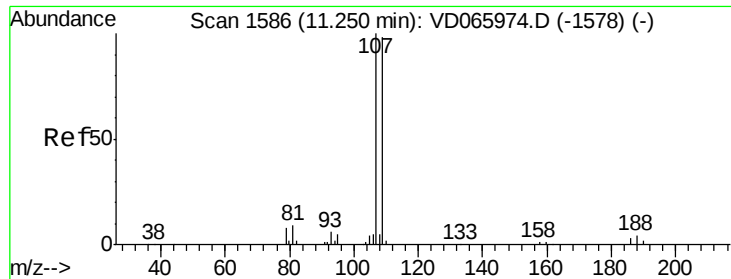
MMDadoda
7/24/2020 12:59:50 PM



#60
Dibromochloromethane
Concen: 21.946 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion: 129 Resp: 63652
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7





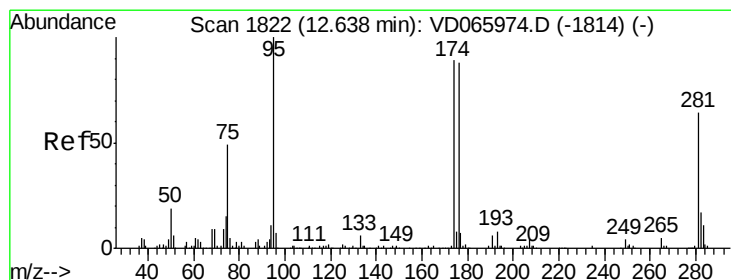
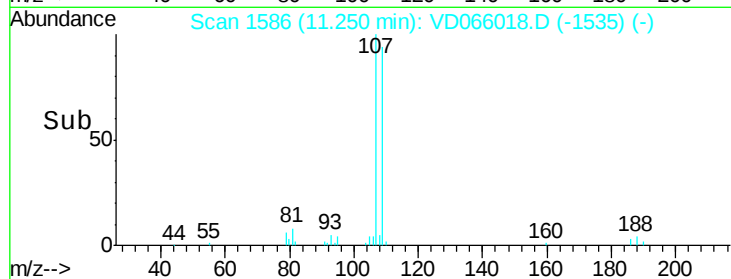
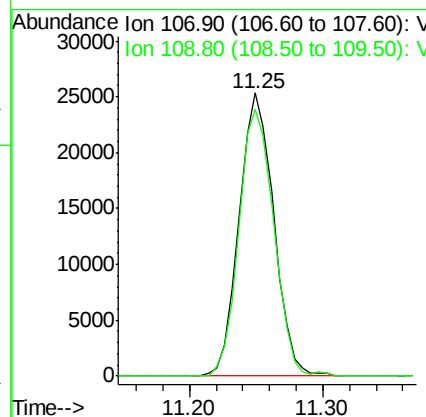
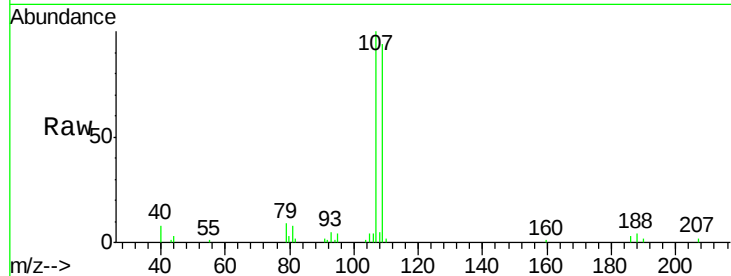
#61
 1,2-Dibromoethane
 Concen: 21.944 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion: 107 Resp: 45515
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.4

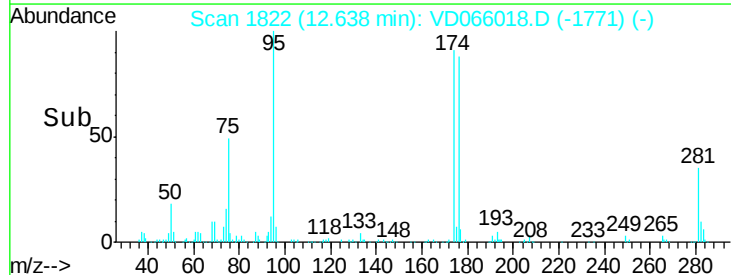
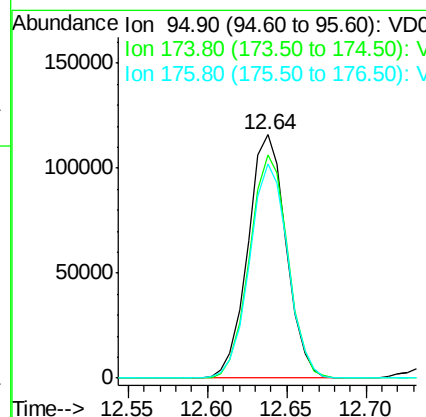
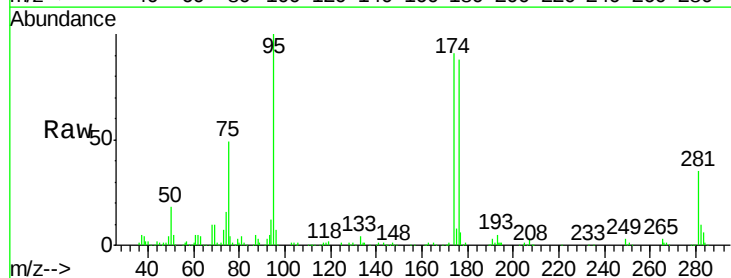
Manual Integrations
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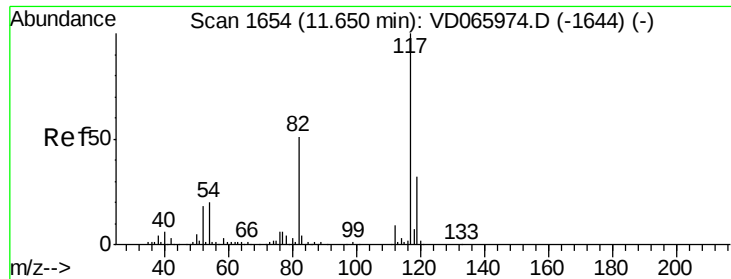
MMDadoda
 7/24/2020 12:59:50 PM



#62
 4-Bromofluorobenzene
 Concen: 50.906 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 95 Resp: 194319
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 178.8
 176 88.6 0.0 172.6





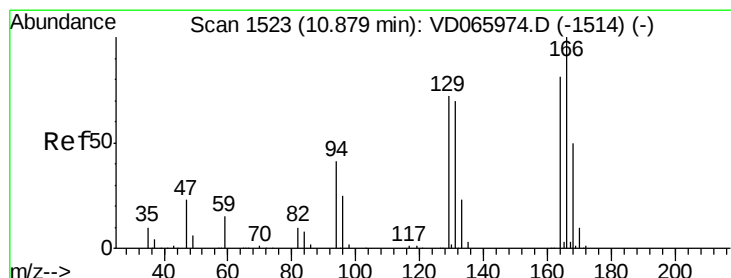
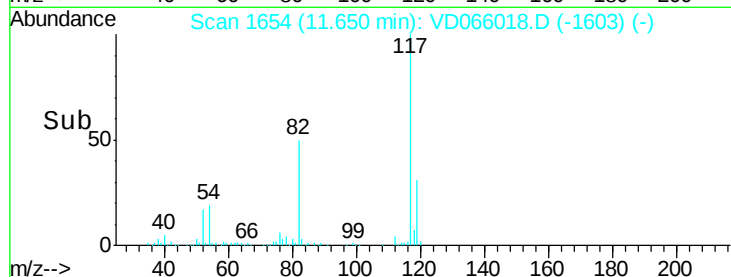
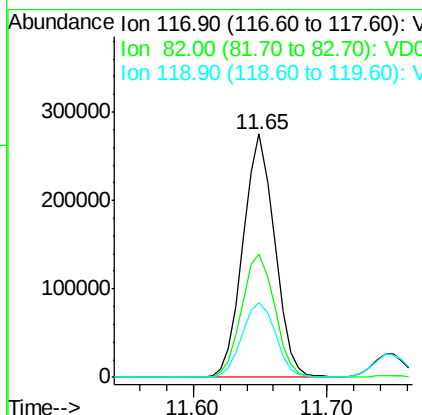
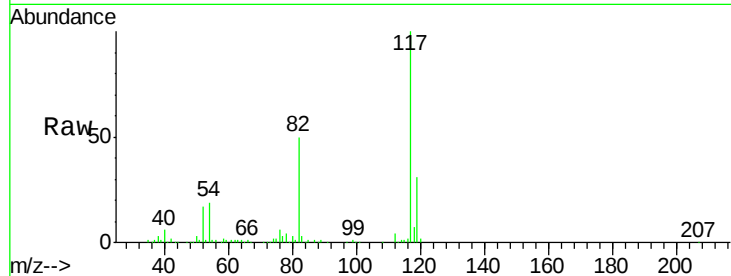
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	452122		
82	50.4		41.1	61.7
119	30.8		25.9	38.9

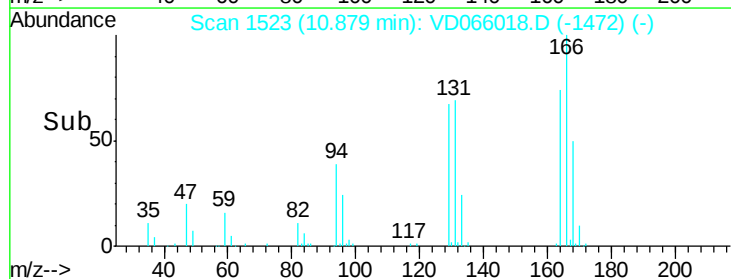
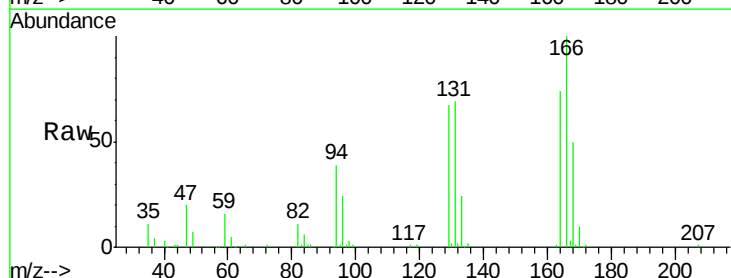
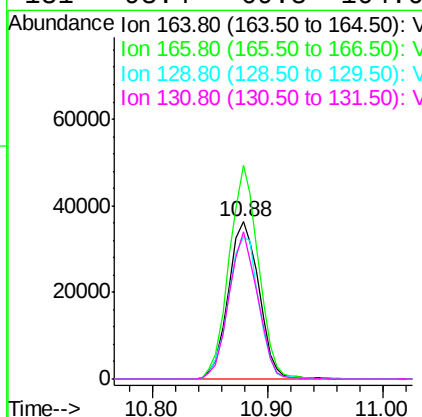
Manual Integrations
APPROVED

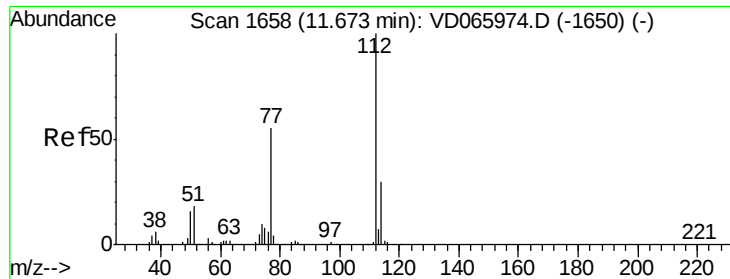
MMDadoda
7/24/2020 12:59:50 PM



#64
Tetrachloroethene
Concen: 21.745 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	66730		
166	135.9		99.1	148.7
129	90.8		71.5	107.3
131	93.4		69.8	104.6





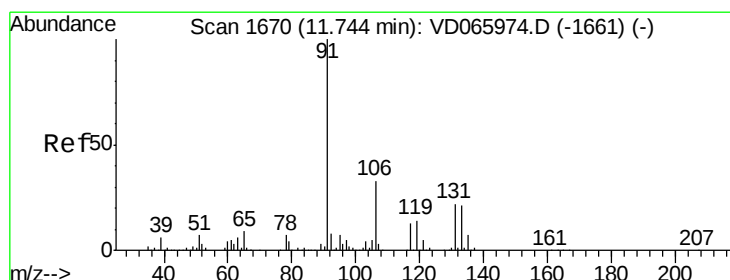
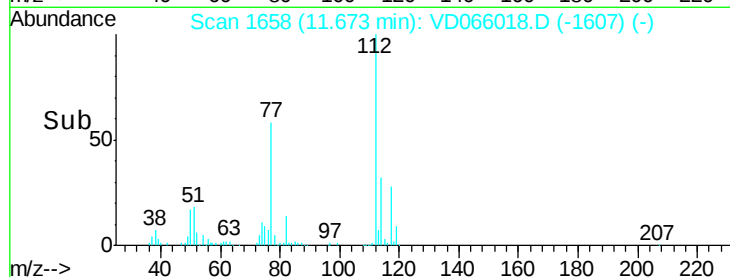
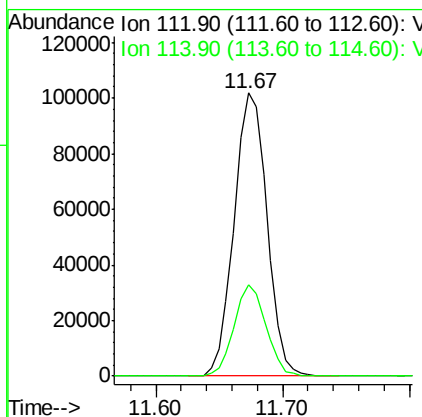
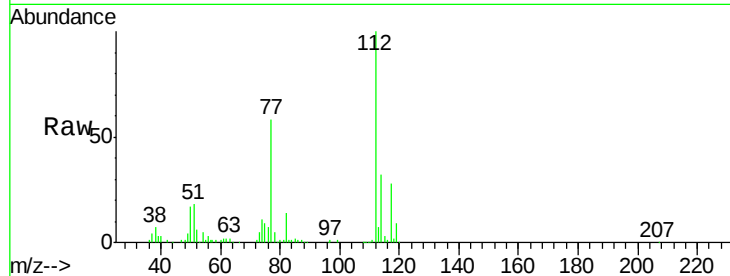
#65
Chlorobenzene
Concen: 22.094 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	24.4	36.6

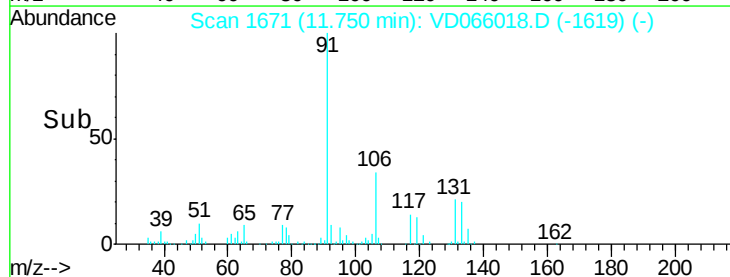
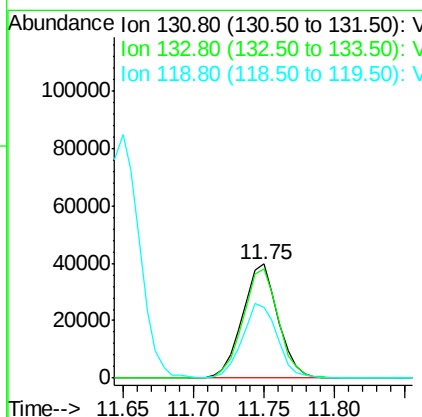
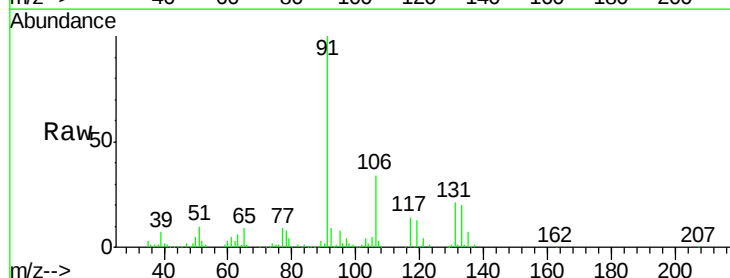
Manual Integrations
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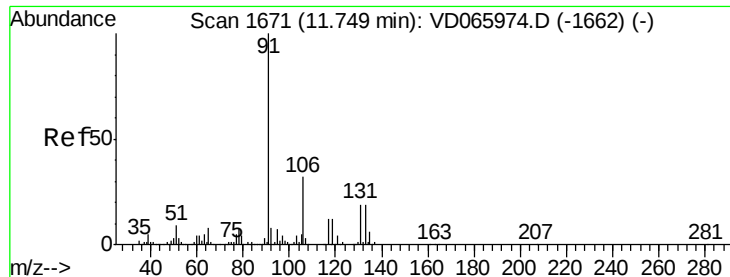
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.846 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.3	142.0
119	64.9	31.7	95.1





#67

Ethyl Benzene

Concen: 22.050 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 91 Resp: 314119

Ion Ratio Lower Upper

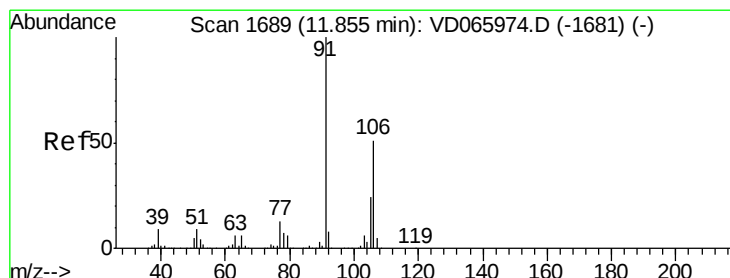
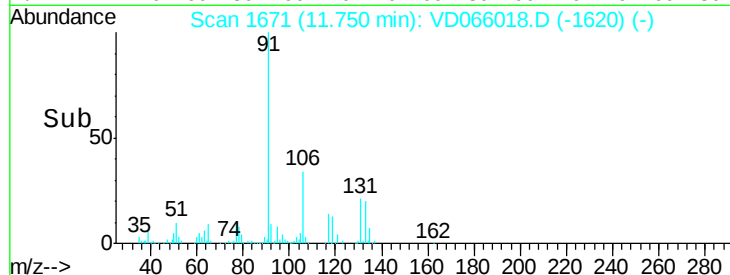
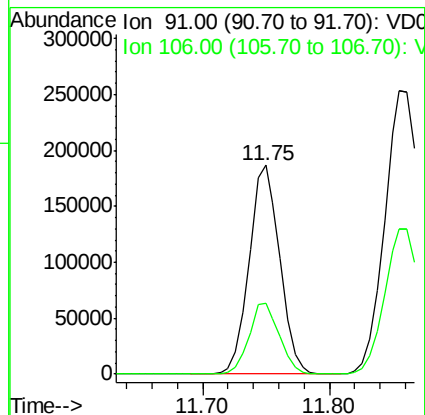
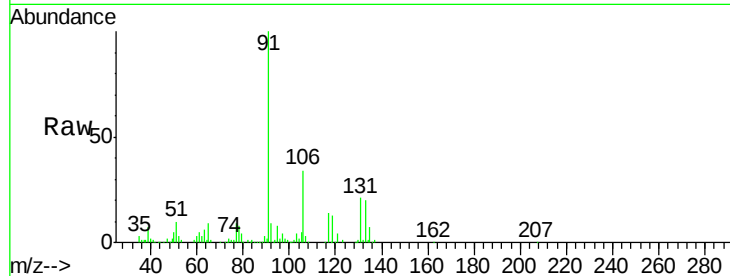
91 100

106 33.9 25.7 38.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 46.204 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066018.D

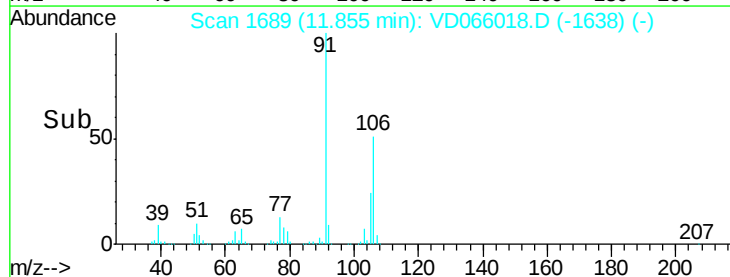
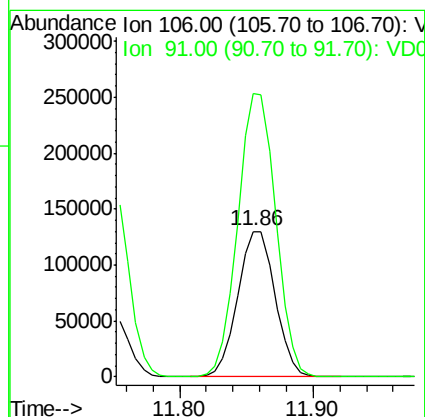
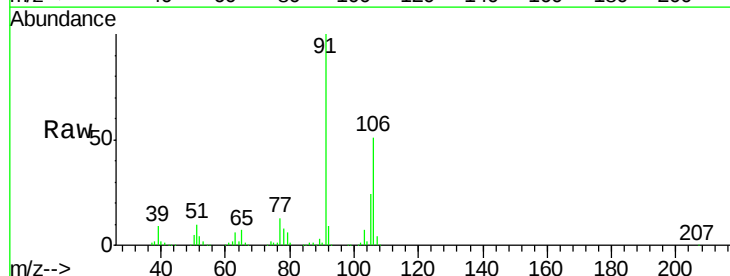
Acq: 23 Jul 2020 12:23

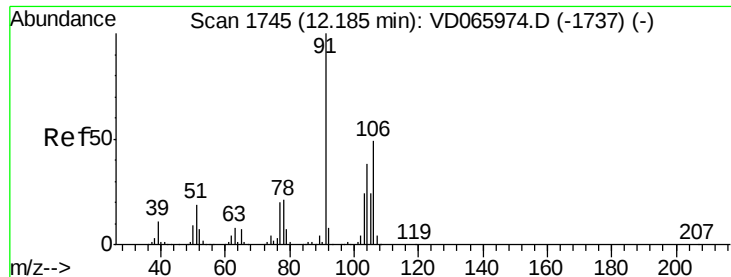
Tgt Ion: 106 Resp: 252990

Ion Ratio Lower Upper

106 100

91 196.3 157.0 235.6





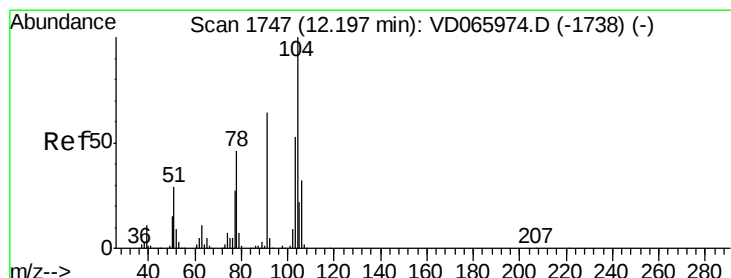
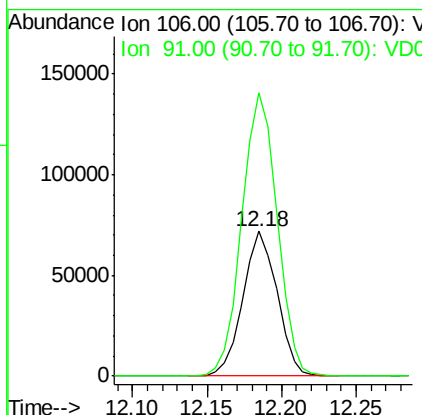
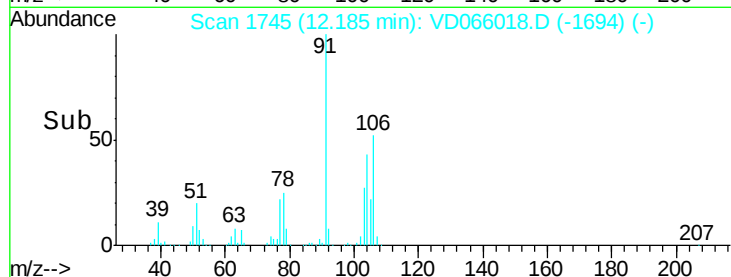
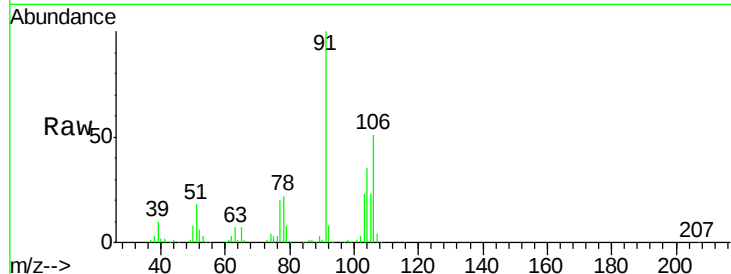
#69
o-Xylene
Concen: 22.995 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	201.2	103.1	309.3		

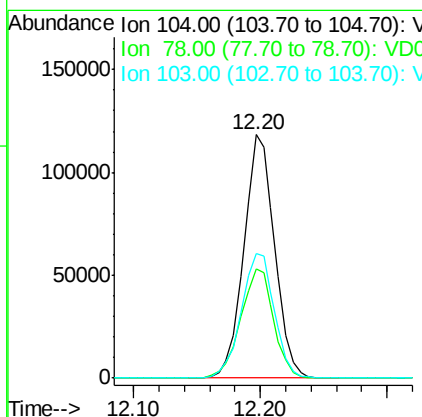
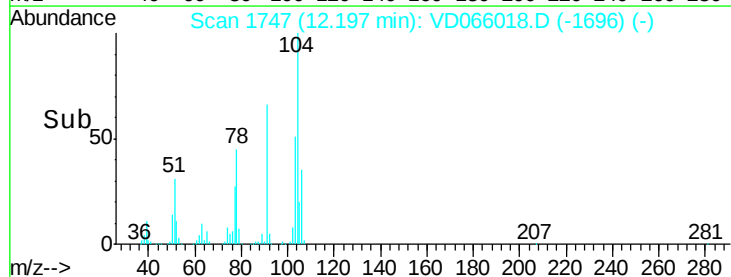
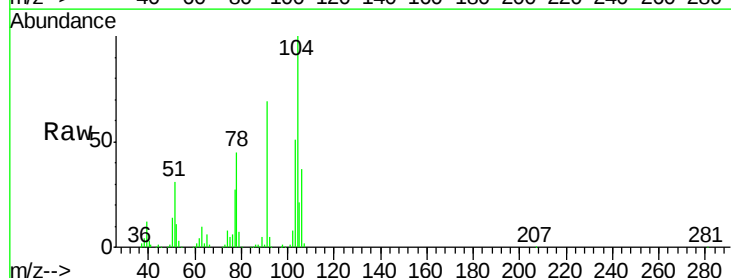
Manual Integrations
APPROVED

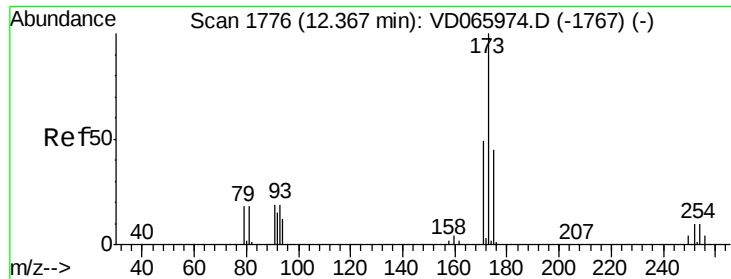
MMDadoda
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#70
Styrene
Concen: 23.242 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.9	38.3	57.5		
103	54.9	43.8	65.8		





#71

Bromoform

Concen: 22.281 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

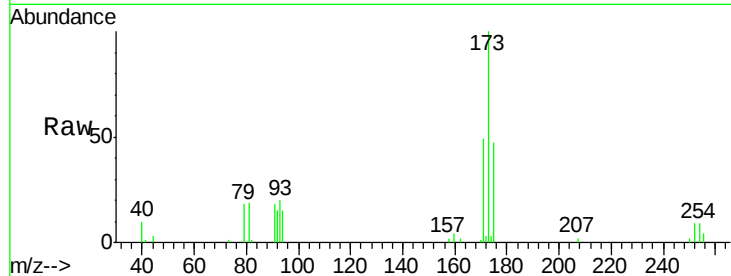
ClientSampleId :

VD0723SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.3
254	0.0	0.0	0.0

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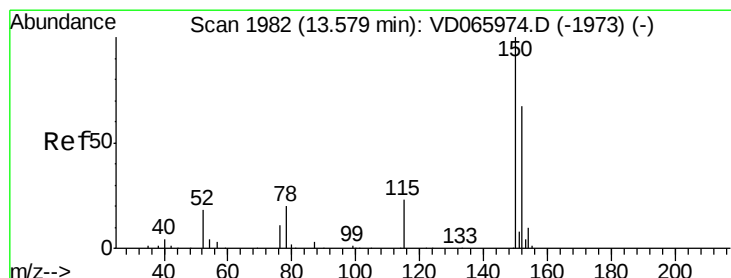
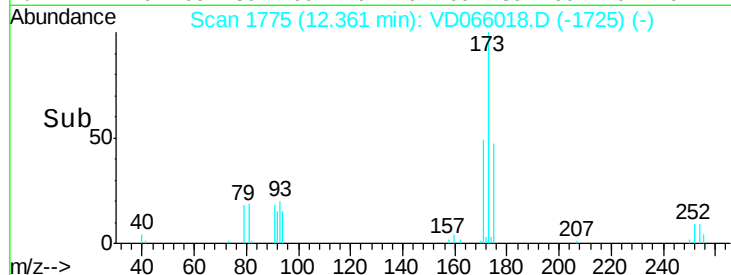
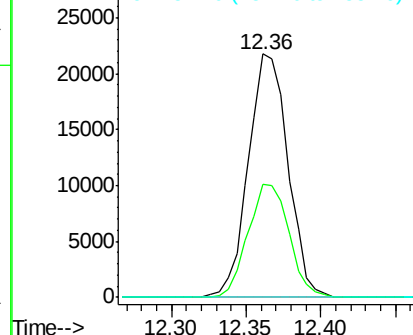


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

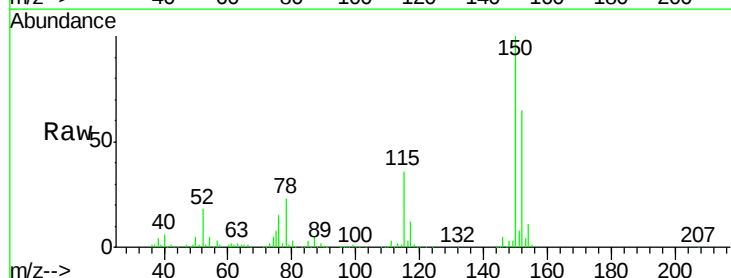
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.9	83.7
150	165.8	0.0	348.2

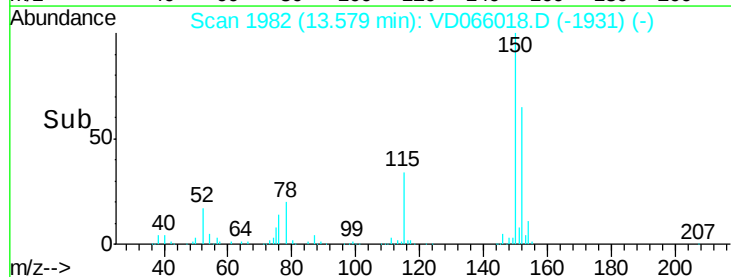
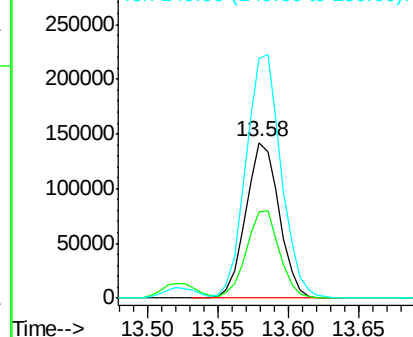


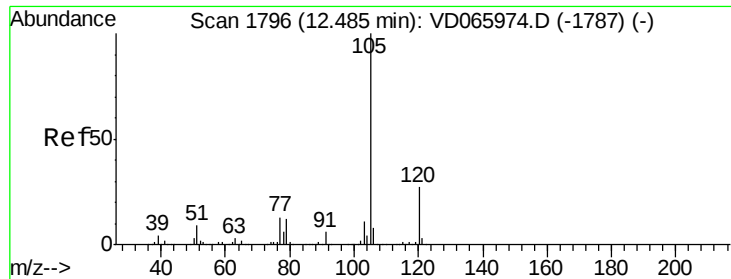
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.966 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 105 Resp: 311939

Ion Ratio Lower Upper

105 100

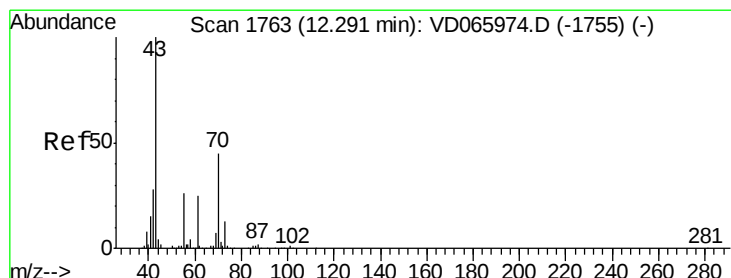
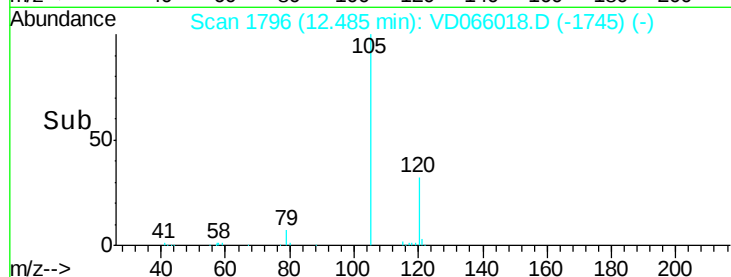
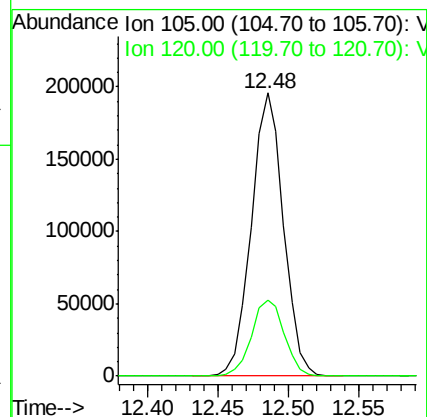
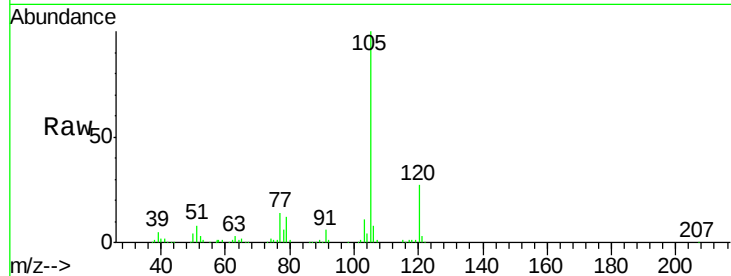
120 27.6 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.835 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion: 43 Resp: 58401

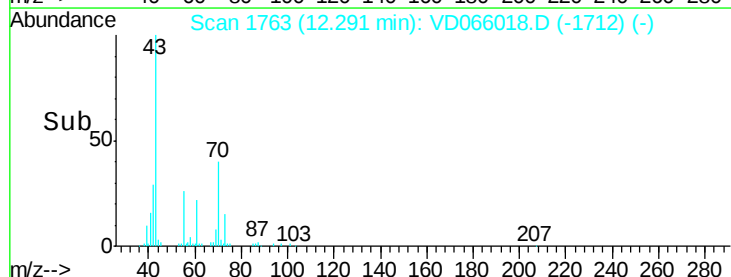
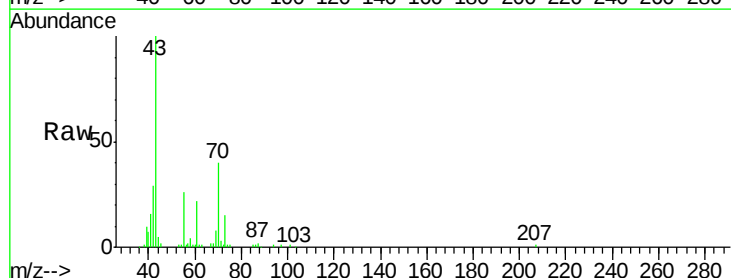
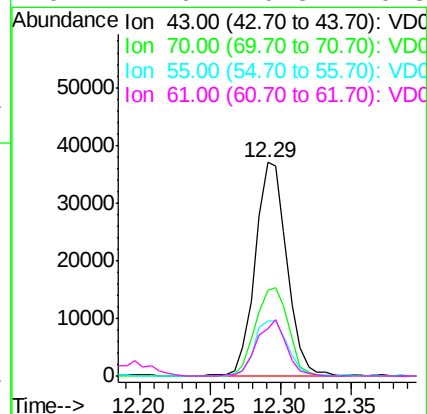
Ion Ratio Lower Upper

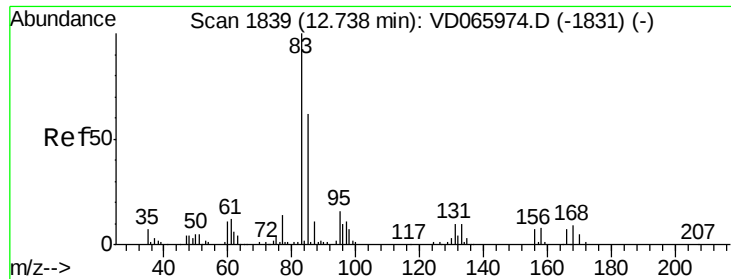
43 100

70 43.1 34.6 51.8

55 27.1 20.3 30.5

61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.460 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

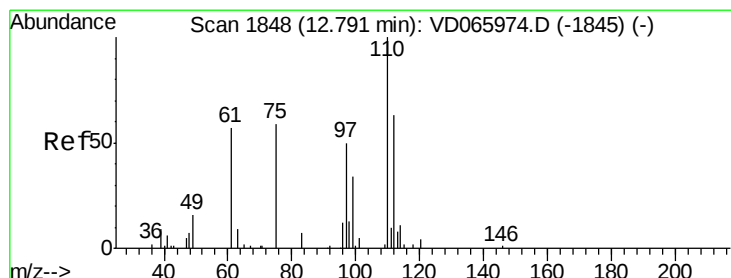
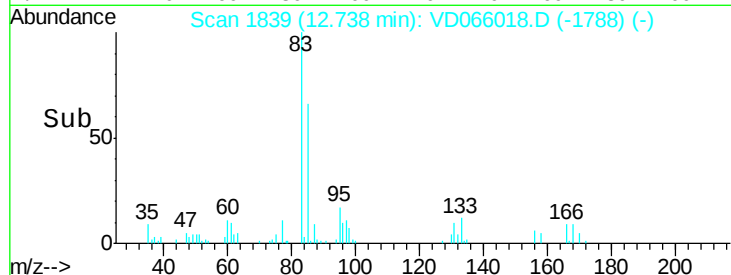
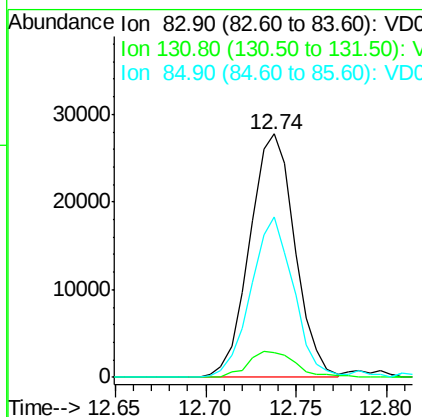
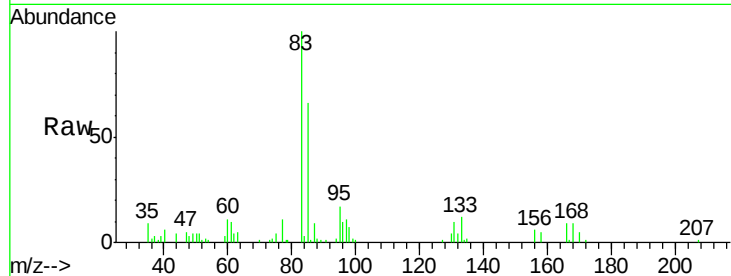
ClientSampleId :

VD0723SBSD01

Tot Ion:	83	Resp:	48018
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.1
85	62.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.758 ug/l m

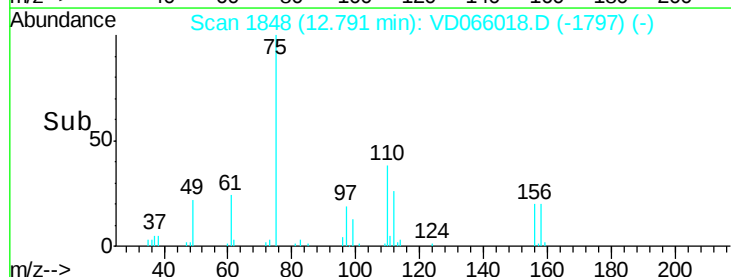
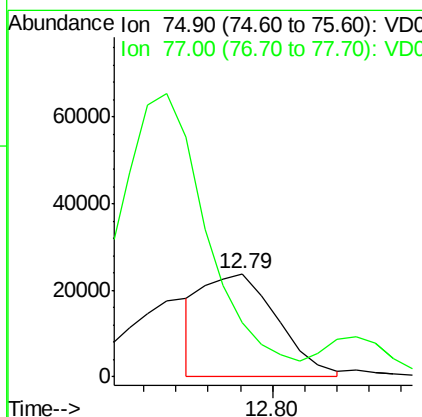
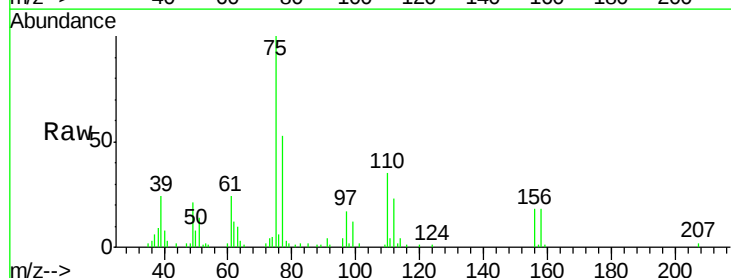
RT: 12.79 min Scan# 1848

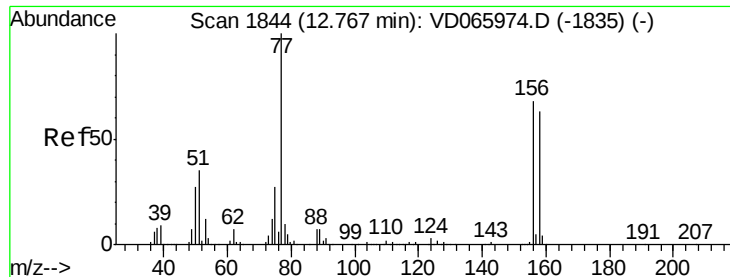
Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion:	75	Resp:	38447
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





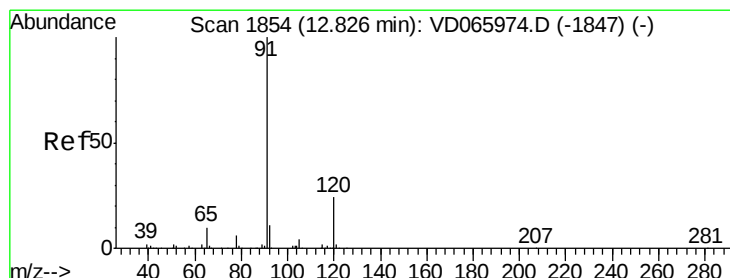
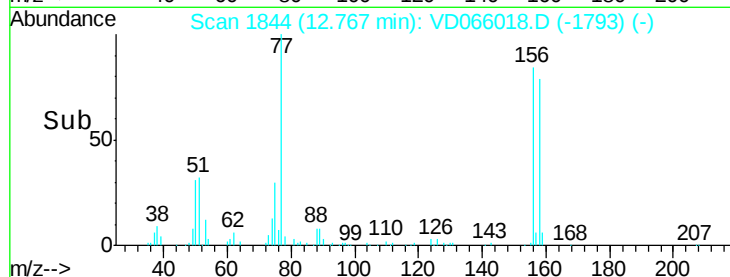
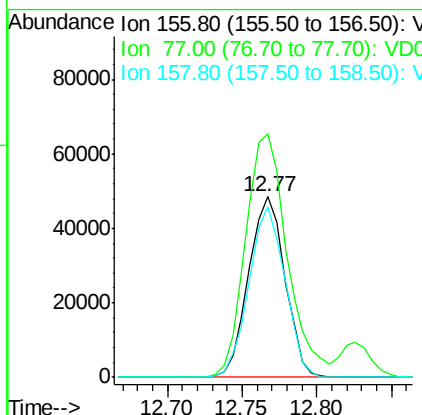
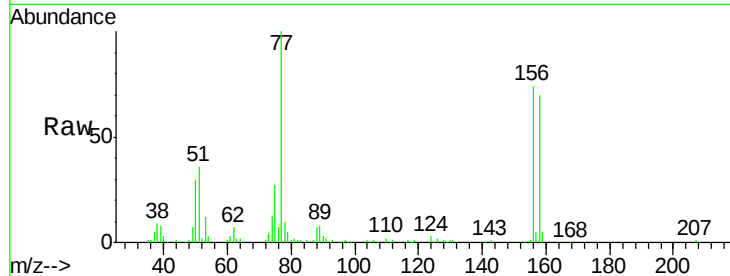
#77
Bromobenzene
Concen: 22.468 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.8	83.0	249.0	
158	93.9	48.2	144.6	

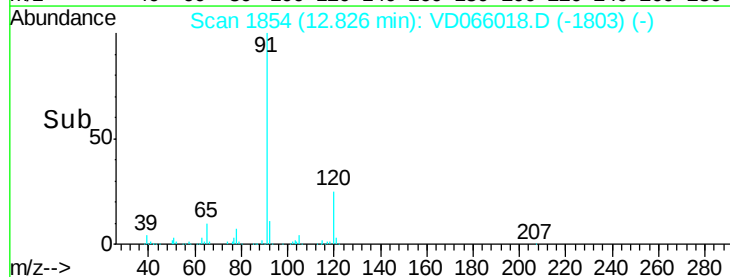
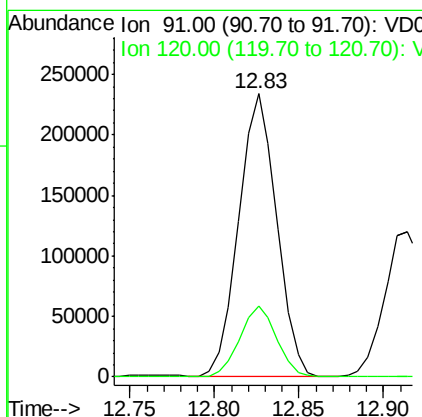
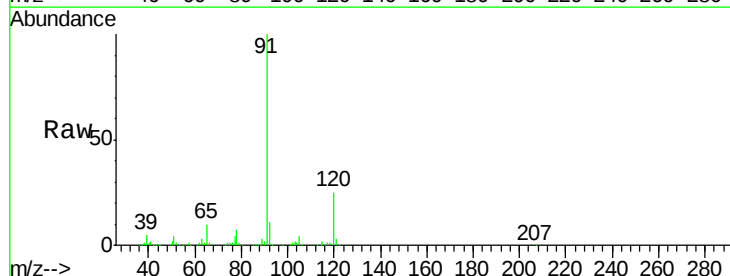
Manual Integrations
APPROVED

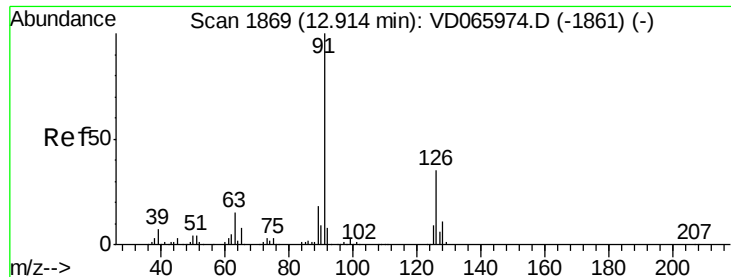
MMDadoda
7/24/2020 12:59:50 PM



#78
n-propylbenzene
Concen: 22.213 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.3	12.0	36.0	





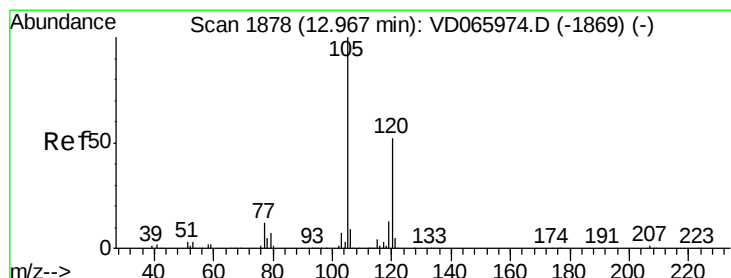
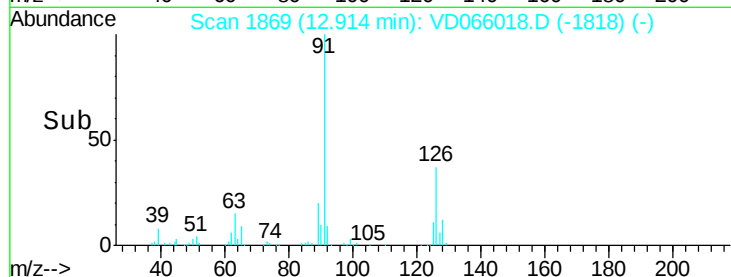
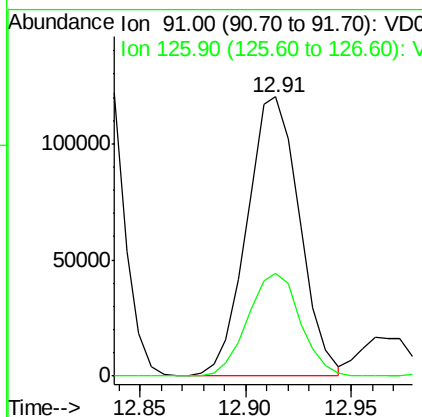
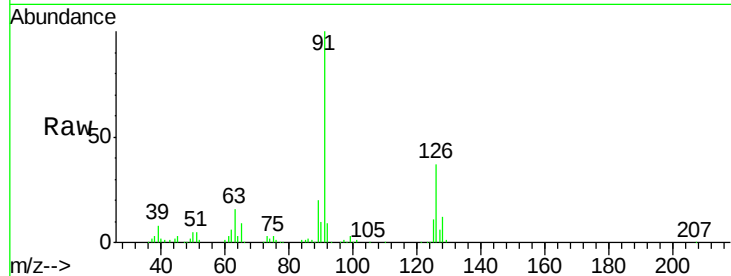
#79
 2-Chlorotoluene
 Concen: 22.058 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion: 91 Resp: 207657
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.7 53.1

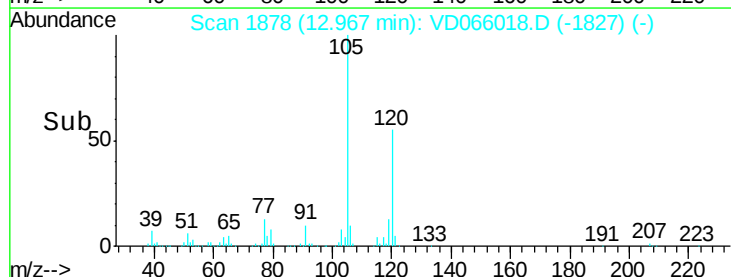
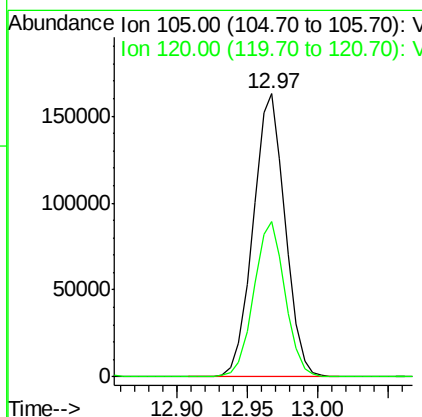
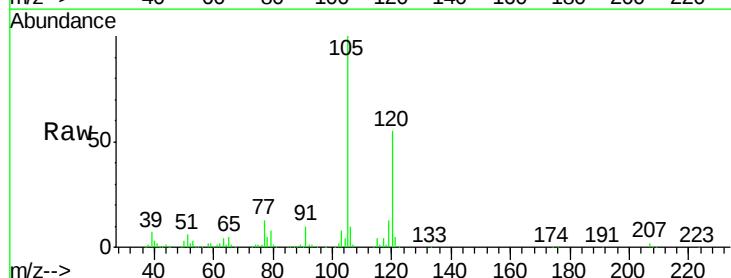
Manual Integrations
 APPROVED

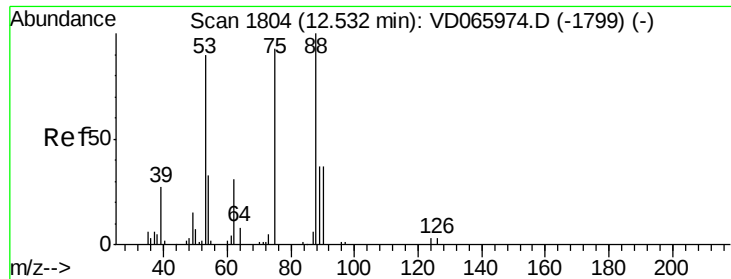
MMDadoda
 7/24/2020 12:59:50 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.193 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 105 Resp: 258929
 Ion Ratio Lower Upper
 105 100
 120 53.6 25.6 76.6





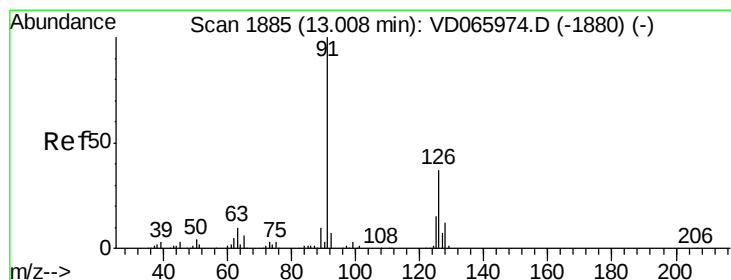
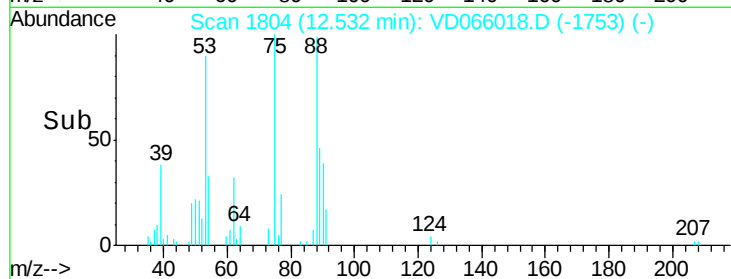
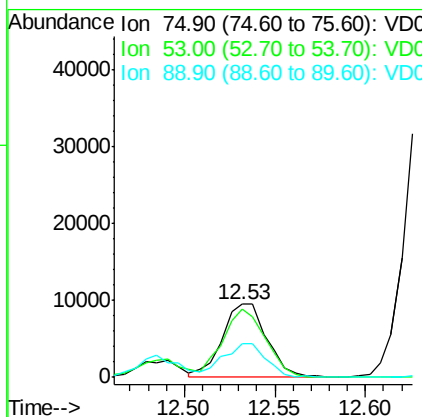
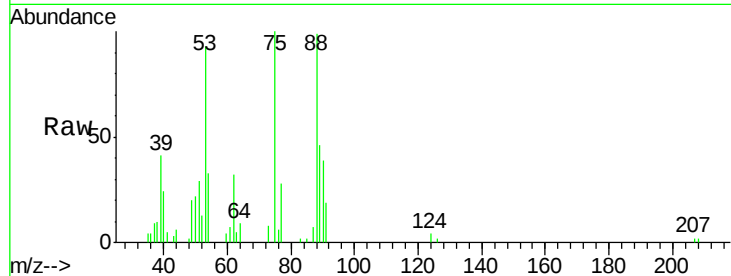
#81
trans-1,4-Dichloro-2-butene
Concen: 21.117 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.6	76.8	115.2
89	44.6	37.0	55.4

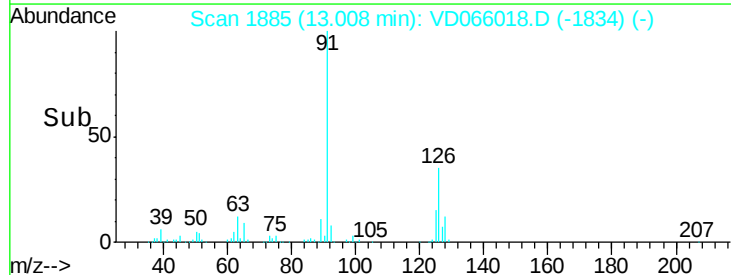
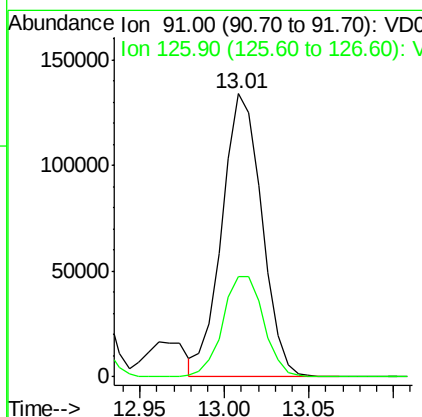
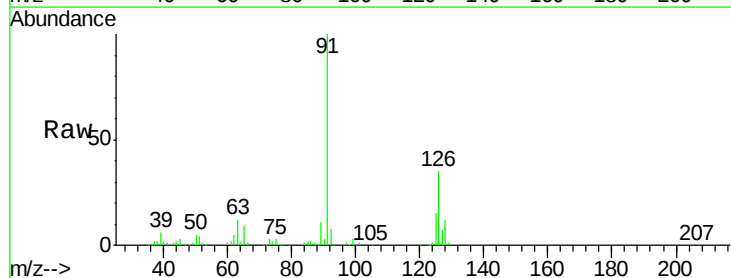
Manual Integrations
APPROVED

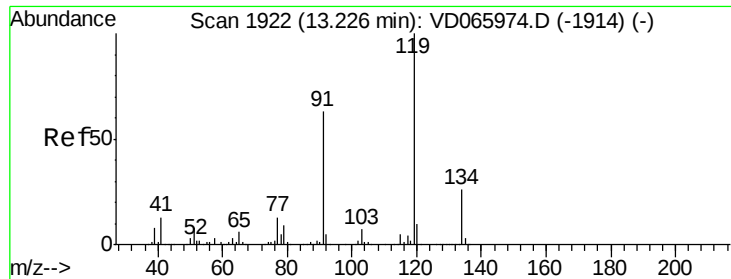
MMDadoda
7/24/2020 12:59:50 PM



#82
4-Chlorotoluene
Concen: 22.181 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.8	53.5





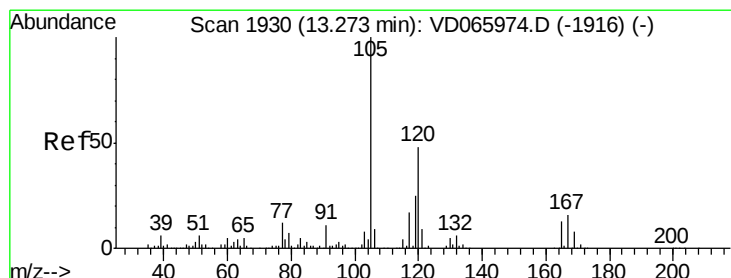
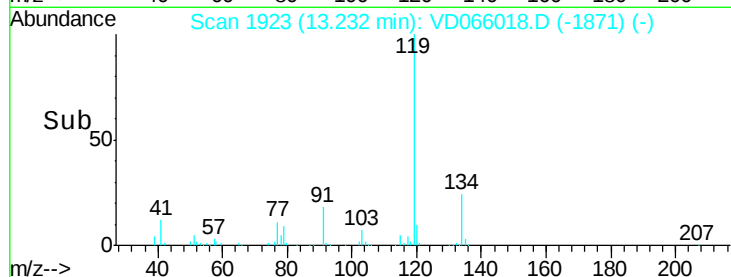
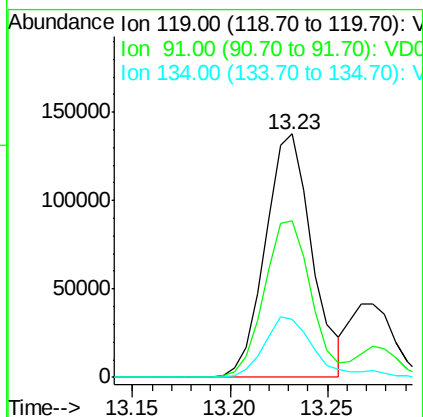
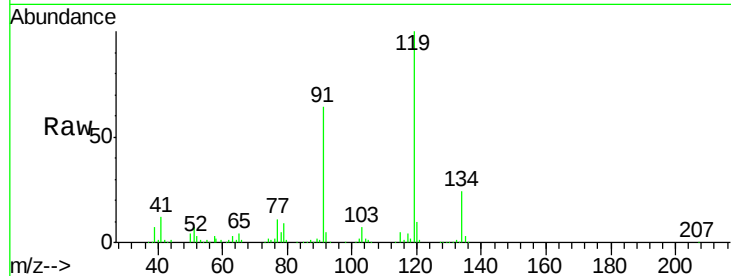
#83
tert-Butylbenzene
Concen: 22.366 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228348		
91	64.2		30.6	91.6
134	27.0		13.9	41.7

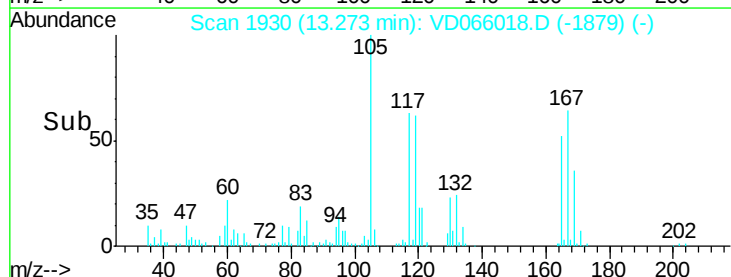
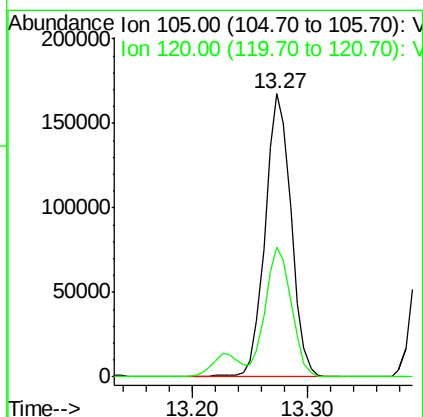
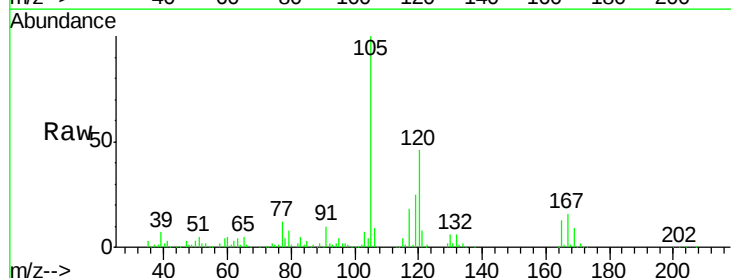
Manual Integrations
APPROVED

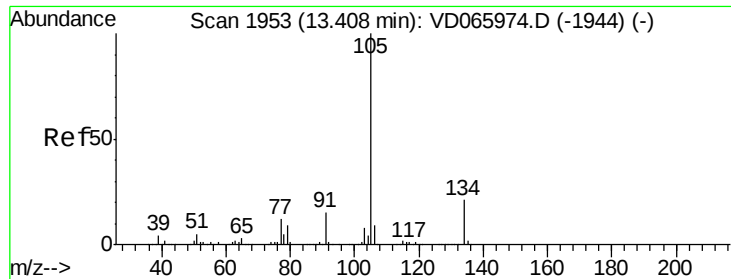
MMDadoda
7/24/2020 12:59:50 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.881 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	263365		
120	46.9		23.9	71.8





#85

sec-Butylbenzene

Concen: 22.331 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion:105 Resp: 314030

Ion Ratio Lower Upper

105 100

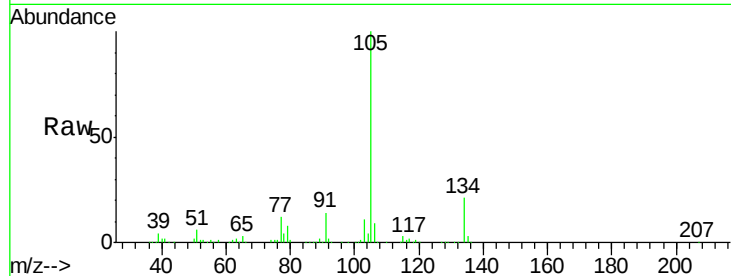
134 22.2 10.4 31.4

Manual Integrations

APPROVED

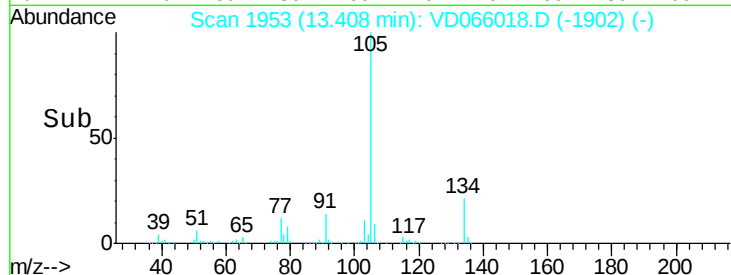
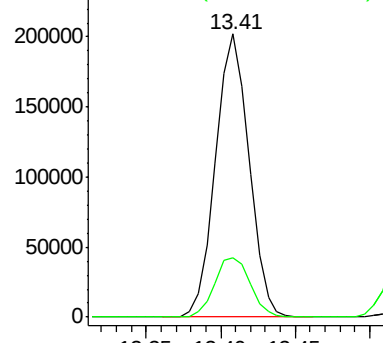
MMDadoda

7/24/2020 12:59:50 PM

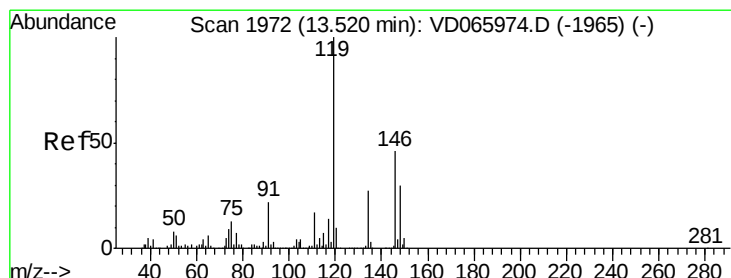


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 23.482 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

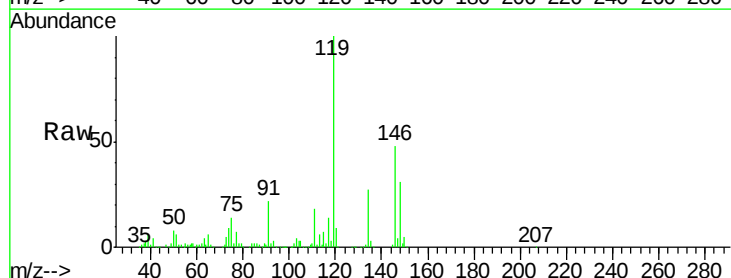
Tgt Ion:119 Resp: 300000

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

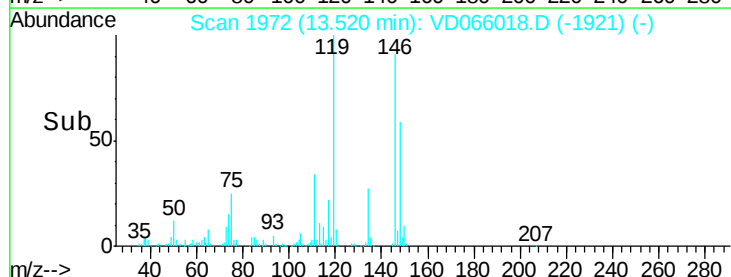
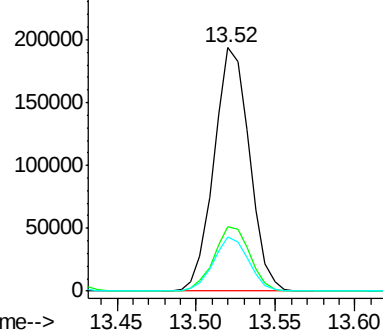
91 22.0 11.1 33.3



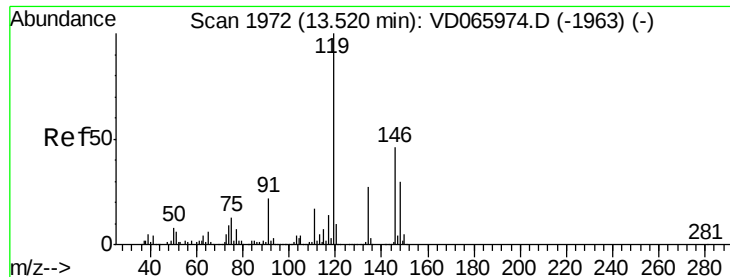
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->



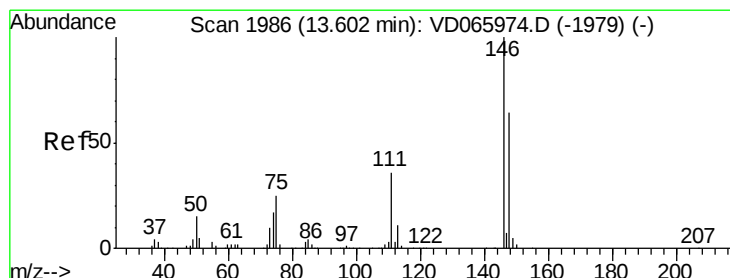
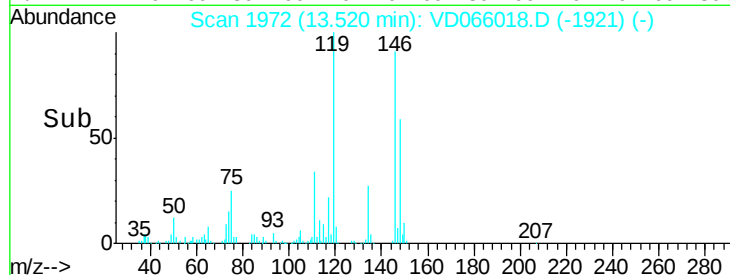
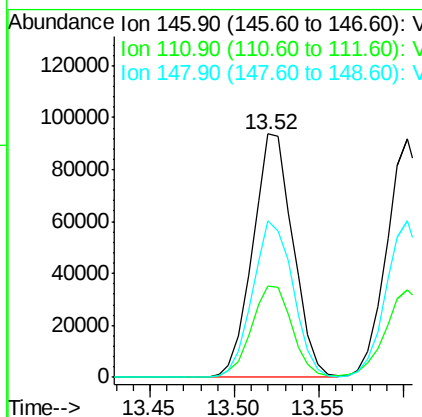
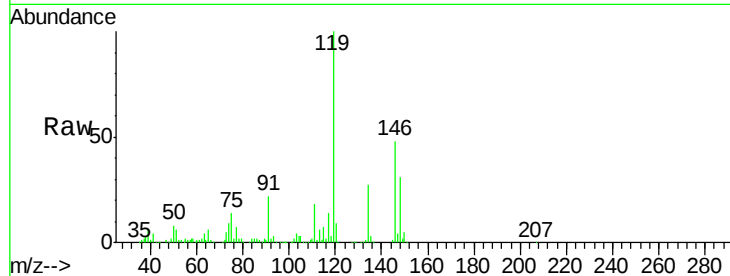
#87
 1,3-Dichlorobenzene
 Concen: 23.130 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.6
148	64.4	32.4	97.0

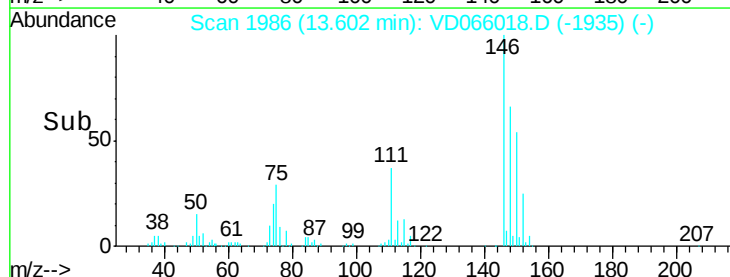
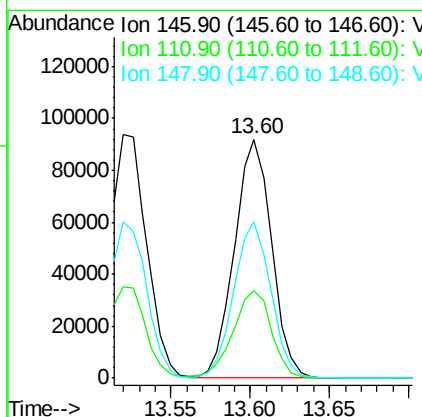
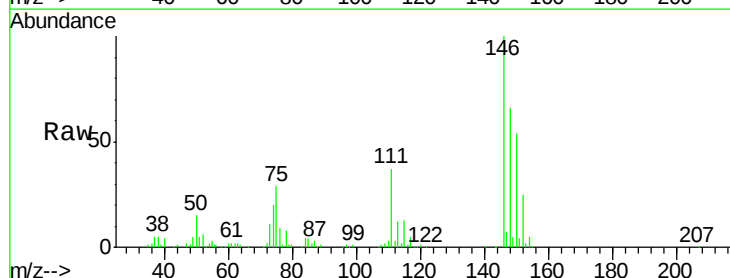
Manual Integrations
 APPROVED

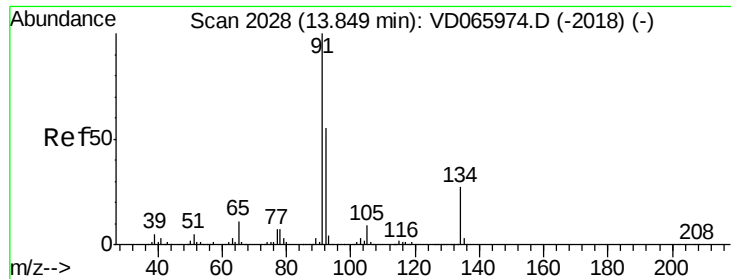
MMDadoda
 7/24/2020 12:59:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.003 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	65.5	32.2	96.6





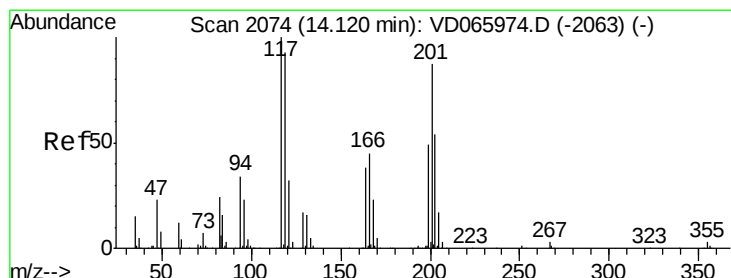
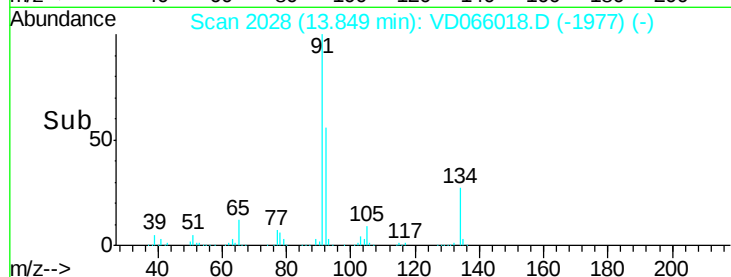
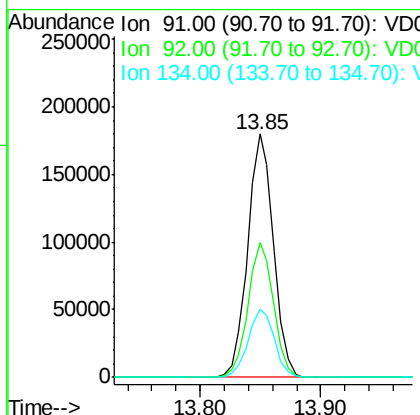
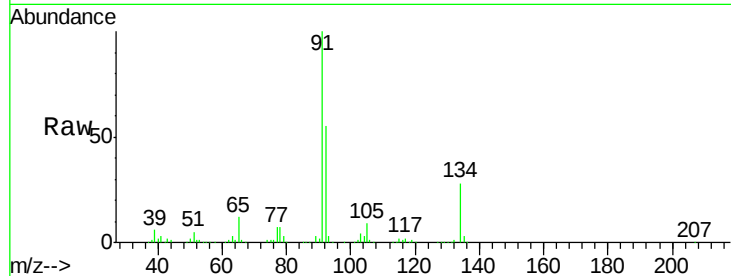
#89
n-Butylbenzene
Concen: 22.469 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	266918		
92	54.7		27.2	81.6
134	28.5		13.8	41.4

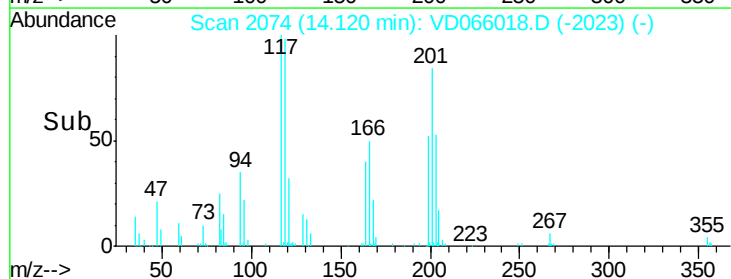
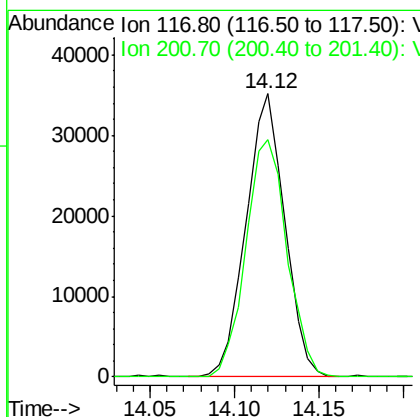
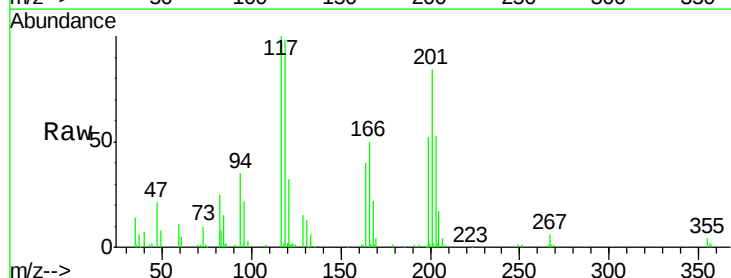
Manual Integrations
APPROVED

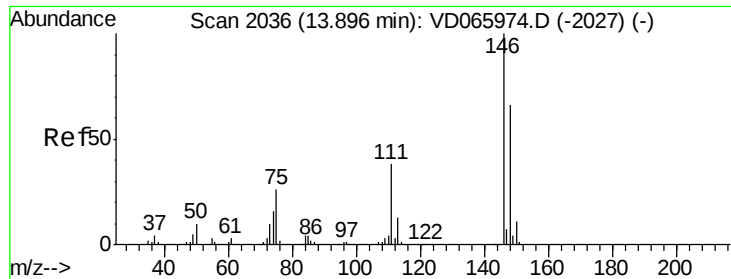
MMDadoda
7/24/2020 12:59:50 PM



#90
Hexachloroethane
Concen: 21.208 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	56090		
201	89.2		42.0	126.1





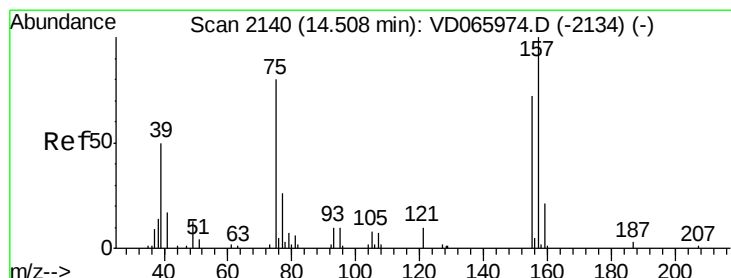
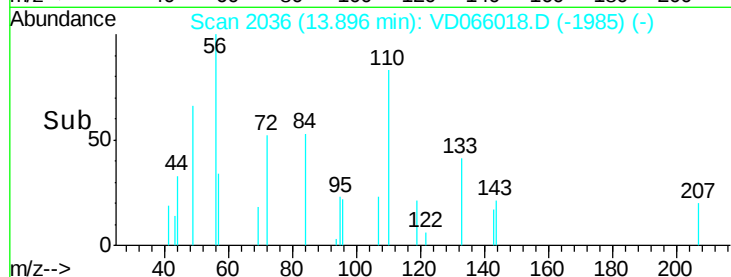
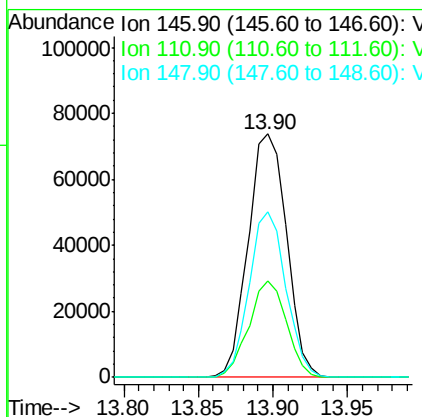
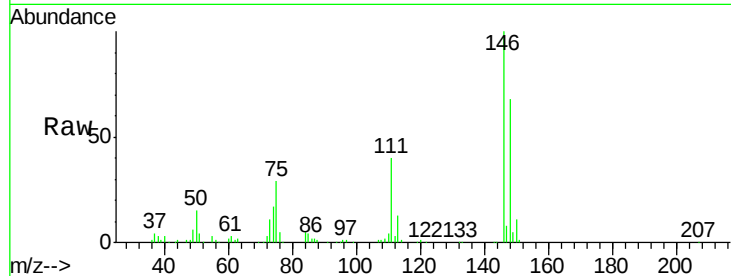
#91
 1,2-Dichlorobenzene
 Concen: 22.487 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	64.9	32.7	98.1

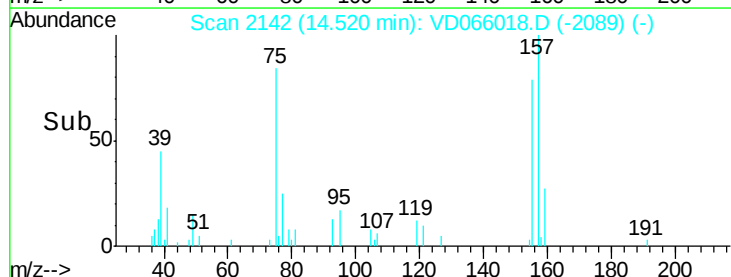
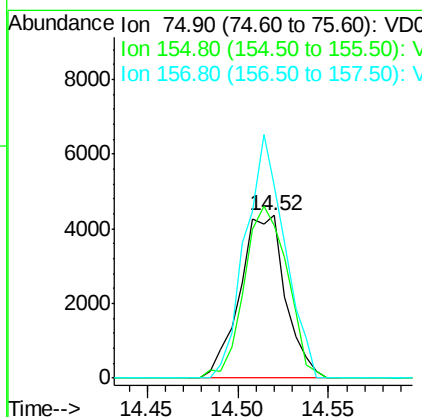
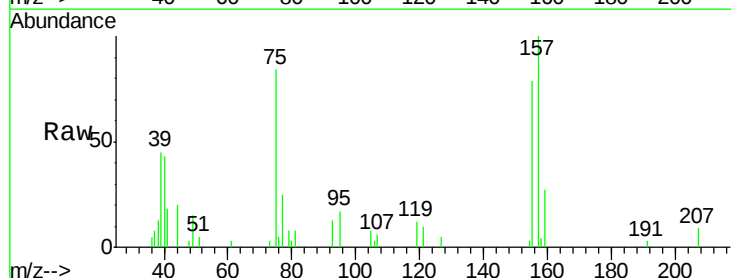
Manual Integrations
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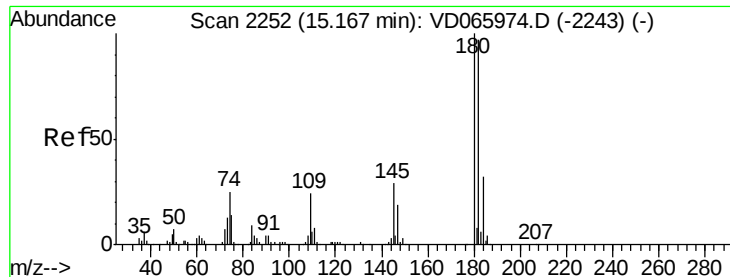
MMDadoda
 7/24/2020 12:59:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.785 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	48.5	145.5
157	129.6	64.7	194.1





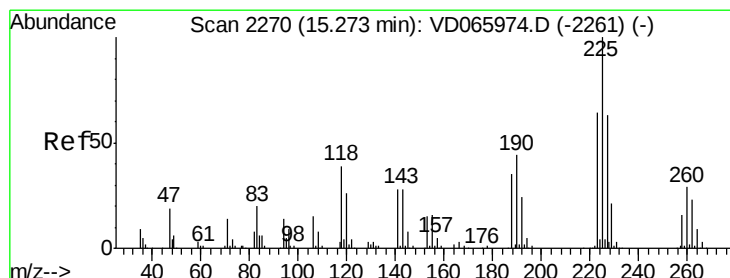
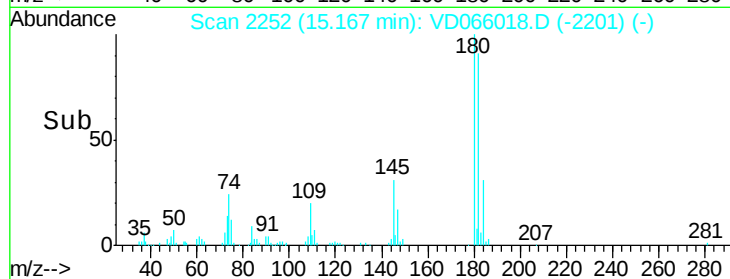
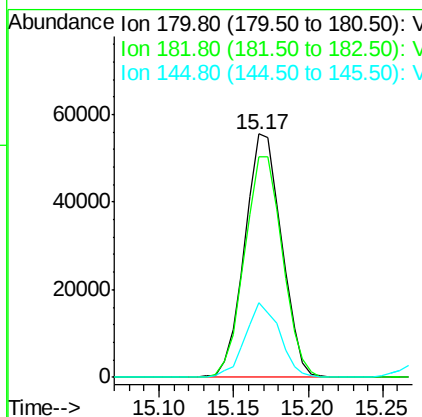
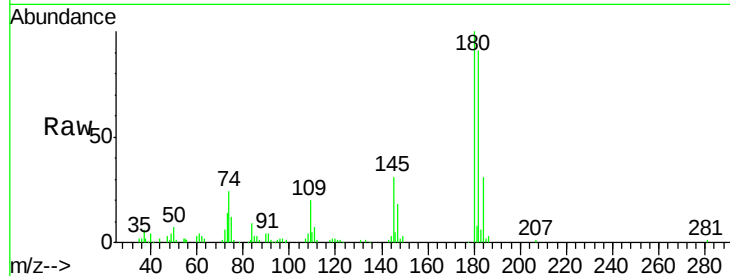
#93
 1,2,4-Trichlorobenzene
 Concen: 22.649 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	48.1	144.3	
145	28.6	14.7	44.1	

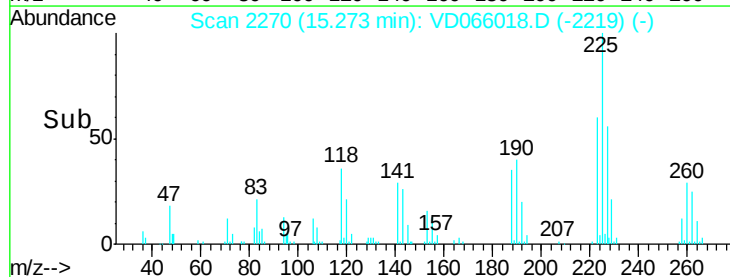
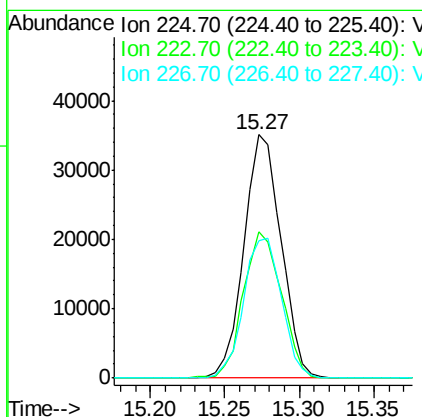
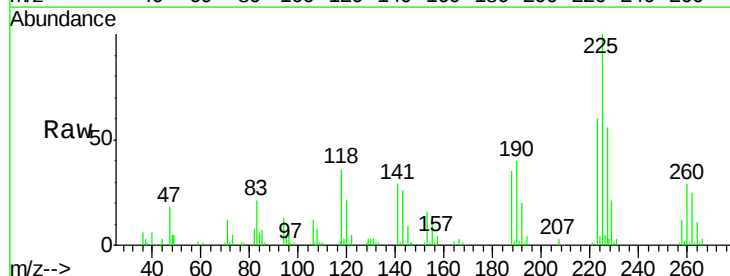
Manual Integrations
 APPROVED

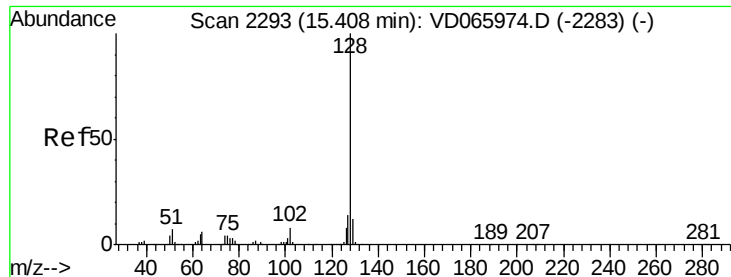
MMDadoda
 7/24/2020 12:59:50 PM



#94
 Hexachlorobutadiene
 Concen: 23.321 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	31.2	93.6	
227	58.6	31.6	94.8	





#95

Naphthalene

Concen: 21.218 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

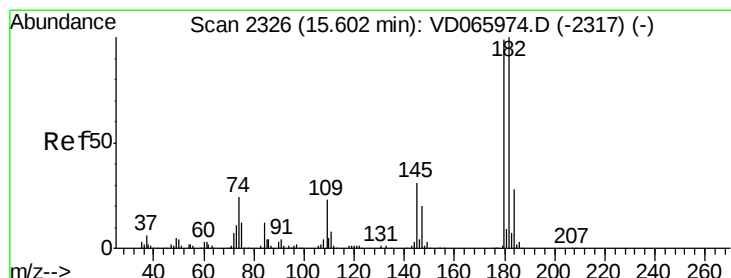
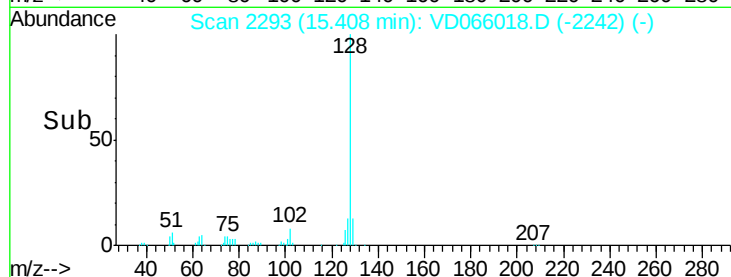
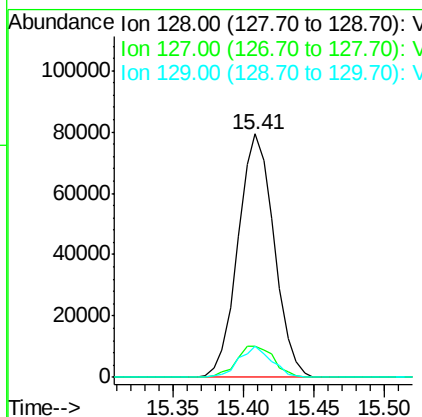
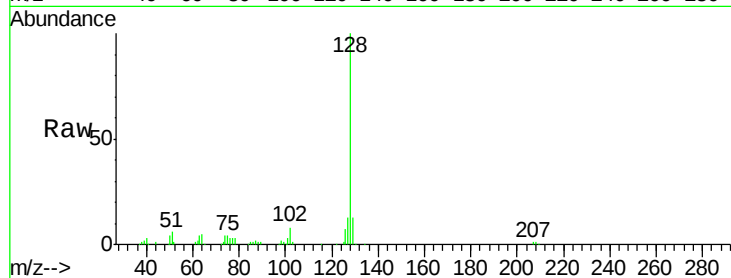
ClientSampleId :

VD0723SBS01

Tot Ion:	128	Resp:	141757
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	11.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/24/2020 12:59:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.710 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion:	180	Resp:	82743
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.9	143.6
145	29.0	15.4	46.2

