

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066060.D
 Acq On : 24 Jul 2020 21:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:03:49 PM

Quant Time: Jul 25 01:04:43 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	259992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	399536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	382913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205110	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	123101	58.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.38%	
35) Dibromofluoromethane	7.91	113	131336	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
50) Toluene-d8	10.34	98	491265	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
62) 4-Bromofluorobenzene	12.64	95	177142	56.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76982	39.016	ug/l	95
3) Chloromethane	2.20	50	68862	42.767	ug/l	97
4) Vinyl Chloride	2.35	62	66240	43.199	ug/l	100
5) Bromomethane	2.77	94	51931	47.951	ug/l	99
6) Chloroethane	2.93	64	44566	48.688	ug/l	92
7) Trichlorofluoromethane	3.27	101	168784	45.255	ug/l	100
8) Diethyl Ether	3.71	74	52620	51.042	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97789	43.423	ug/l	98
10) Methyl Iodide	4.30	142	119305	52.014	ug/l	96
11) Tert butyl alcohol	5.21	59	32340	242.131	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	96747	45.006	ug/l	99
13) Acrolein	3.93	56	39836	223.499	ug/l	99
14) Allyl chloride	4.71	41	159761	47.544	ug/l	93
15) Acrylonitrile	5.41	53	113377	257.425	ug/l	97
16) Acetone	4.15	43	85467	199.590	ug/l	93
17) Carbon Disulfide	4.40	76	303438	43.517	ug/l	99
18) Methyl Acetate	4.71	43	48736	48.924	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	242391	54.881	ug/l	97
20) Methylene Chloride	4.96	84	130978	55.652	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	123648	50.894	ug/l	96
22) Diisopropyl ether	6.36	45	335103	52.492	ug/l	98
23) Vinyl Acetate	6.30	43	953124	264.732	ug/l #	92
24) 1,1-Dichloroethane	6.27	63	202915	52.459	ug/l	100
25) 2-Butanone	7.21	43	129782	228.408	ug/l	93
26) 2,2-Dichloropropane	7.20	77	156970	45.127	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	138060	53.671	ug/l	97
28) Bromochloromethane	7.55	49	91455	55.707	ug/l	93
29) Tetrahydrofuran	7.56	42	85218	243.074	ug/l	95
30) Chloroform	7.71	83	220953	54.608	ug/l	99
31) Cyclohexane	7.98	56	150652	39.588	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	191368	51.131	ug/l	99
36) 1,1-Dichloropropene	8.11	75	154644	45.352	ug/l	99
37) Ethyl Acetate	7.30	43	65402	50.223	ug/l	98
38) Carbon Tetrachloride	8.10	117	174518	47.169	ug/l	94

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 ALS Vial : 24 Sample Multiplier: 1

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Manual Integrations
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Quant Time: Jul 25 01:04:43 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	173898	42.113	ug/l	99
40) Benzene	8.36	78	464216	48.662	ug/l	97
41) Methacrylonitrile	7.52	41	32761m	43.916	ug/l	
42) 1,2-Dichloroethane	8.43	62	139066	53.199	ug/l	97
43) Isopropyl Acetate	8.45	43	126137	49.593	ug/l	97
44) Trichloroethene	9.11	130	142804	49.468	ug/l	93
45) 1,2-Dichloropropane	9.39	63	116428	50.393	ug/l	99
46) Dibromomethane	9.48	93	65895	52.980	ug/l	96
47) Bromodichloromethane	9.66	83	172385	52.418	ug/l	97
48) Methyl methacrylate	9.46	41	59726	46.553	ug/l	87
49) 1,4-Dioxane	9.47	88	12989	901.407	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	317749	247.947	ug/l	98
52) Toluene	10.41	92	322609	51.857	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	161368	52.668	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	188861	50.852	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	92446	52.408	ug/l	95
56) Ethyl methacrylate	10.67	69	111320	54.279	ug/l	98
57) 1,3-Dichloropropane	10.95	76	150916	51.681	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	245388	250.468	ug/l	100
59) 2-Hexanone	10.99	43	215535	242.699	ug/l	97
60) Dibromochloromethane	11.14	129	128348	53.964	ug/l	99
61) 1,2-Dibromoethane	11.25	107	89448	52.592	ug/l	99
64) Tetrachloroethene	10.88	164	127321	48.989	ug/l	98
65) Chlorobenzene	11.67	112	350510	49.995	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	141151	54.525	ug/l	98
67) Ethyl Benzene	11.75	91	604513	50.104	ug/l	98
68) m/p-Xylenes	11.86	106	475045	102.438	ug/l	99
69) o-Xylene	12.18	106	223714	53.040	ug/l	99
70) Styrene	12.20	104	391631	54.041	ug/l	99
71) Bromoform	12.36	173	80765	53.262	ug/l #	100
73) Isopropylbenzene	12.48	105	588934	47.452	ug/l	100
74) N-amyl acetate	12.30	43	124241	48.280	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	96318	46.959	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	59245m	38.362	ug/l	
77) Bromobenzene	12.77	156	160382	50.564	ug/l	94
78) n-propylbenzene	12.83	91	677547	47.045	ug/l	99
79) 2-Chlorotoluene	12.91	91	402386	48.905	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	500731	49.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31403	46.659	ug/l	95
82) 4-Chlorotoluene	13.01	91	422949	48.701	ug/l	99
83) tert-Butylbenzene	13.23	119	446443	50.034	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	514775	51.171	ug/l	98
85) sec-Butylbenzene	13.41	105	581208	47.290	ug/l	98
86) p-Isopropyltoluene	13.52	119	560379	50.188	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	292302	49.636	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	287559	48.303	ug/l	100
89) n-Butylbenzene	13.85	91	481752	46.402	ug/l	99
90) Hexachloroethane	14.12	117	111064	48.050	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	257001	50.363	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16159	48.070	ug/l	98

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MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Quant Time: Jul 25 01:04:43 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	182134	49.724	ug/l	99
94) Hexachlorobutadiene	15.27	225	104332	46.073	ug/l	96
95) Naphthalene	15.41	128	305001	47.049	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	164477	51.653	ug/l	99

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

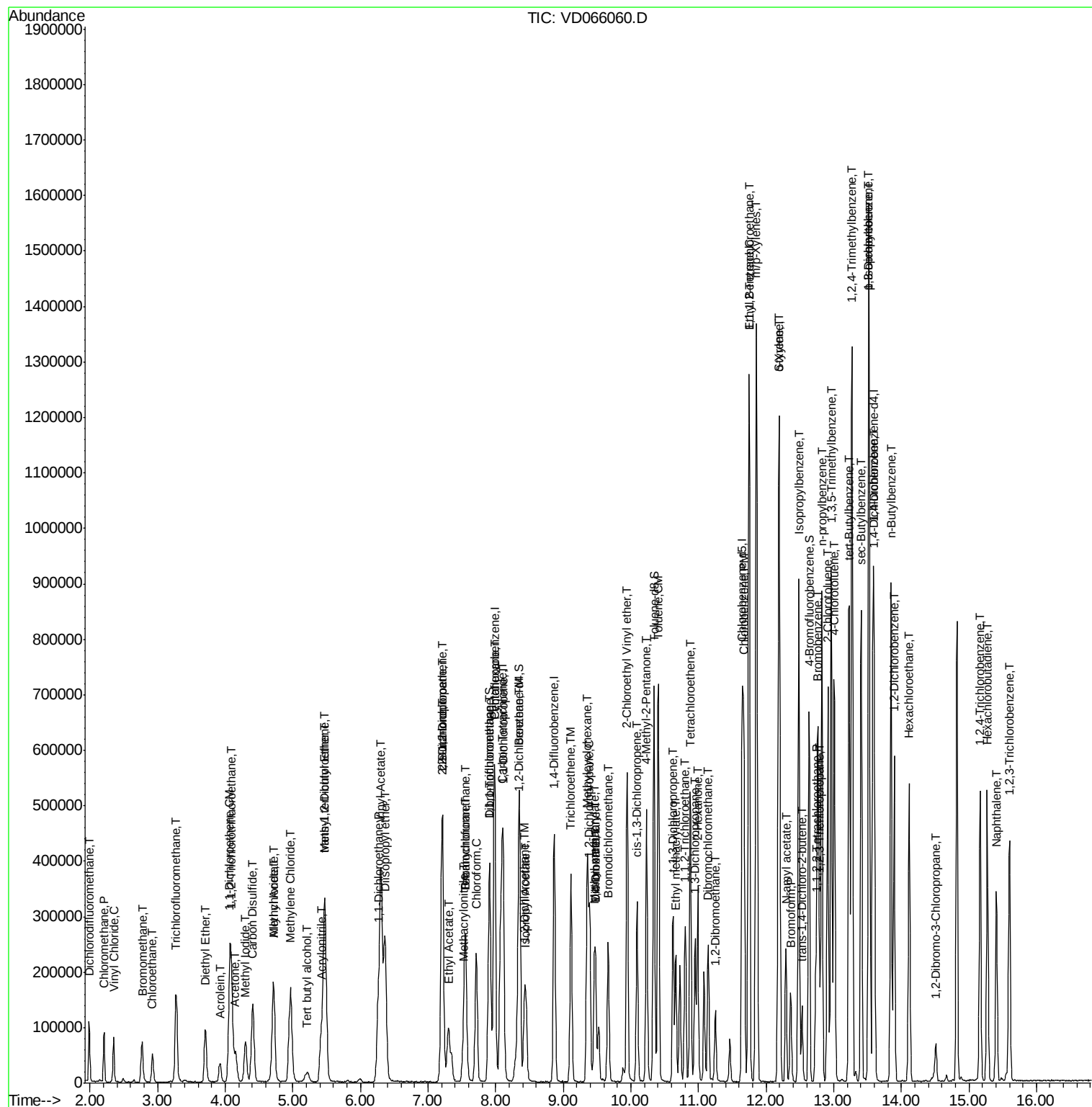
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066060.D
 Acq On : 24 Jul 2020 21:08
 Operator : VA/SY
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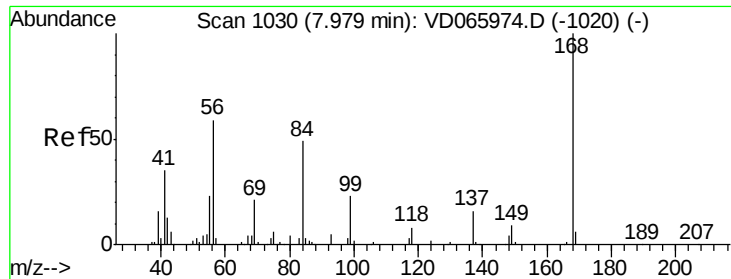
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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MMDadoda
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Quant Time: Jul 25 01:04:43 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 259992

Ion Ratio Lower Upper

168 100

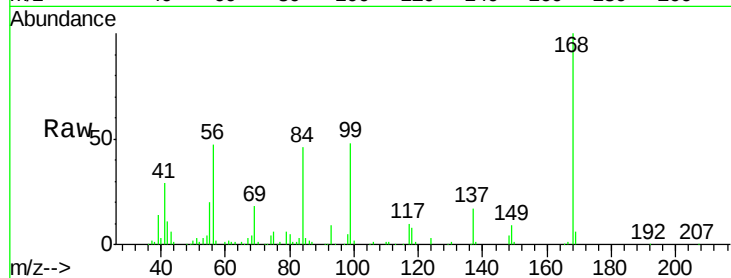
99 48.1 40.8 61.2

Manual Integrations

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7/27/2020 12:03:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

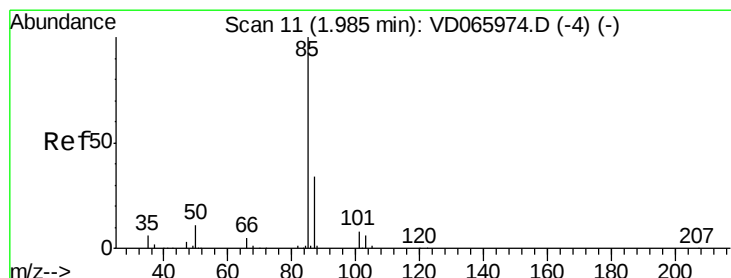
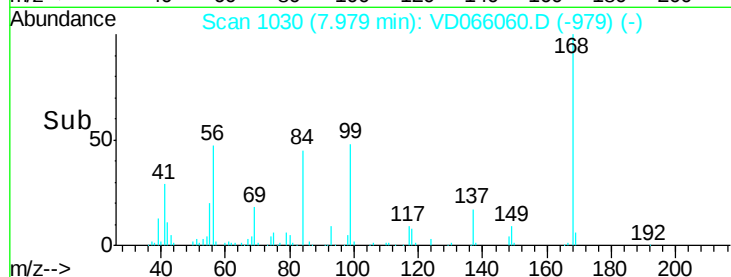
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 39.016 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066060.D

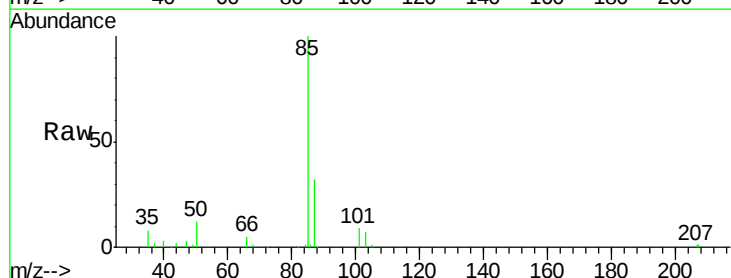
Acq: 24 Jul 2020 21:08

Tgt Ion: 85 Resp: 76982

Ion Ratio Lower Upper

85 100

87 31.9 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

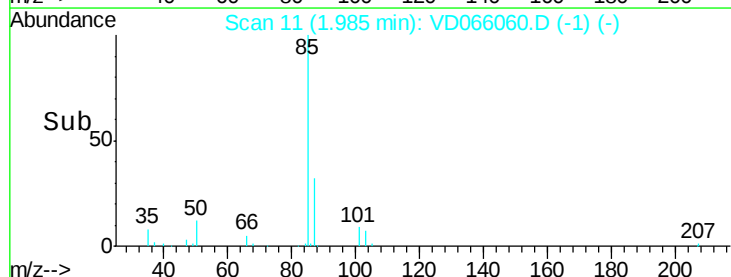
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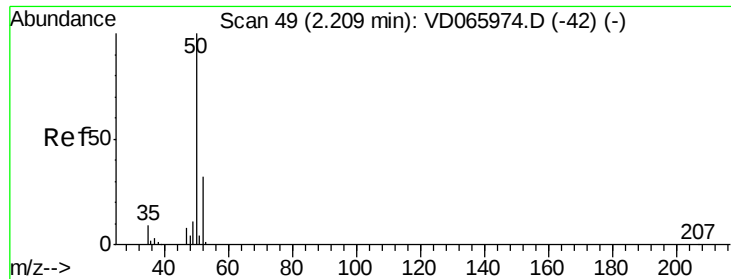
40000

20000

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Time-->





#3

Chloromethane

Concen: 42.767 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 68862

Ion Ratio Lower Upper

50 100

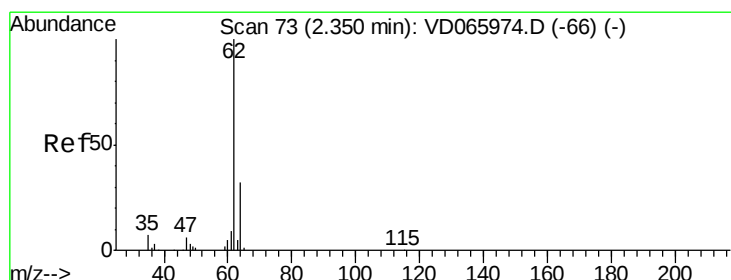
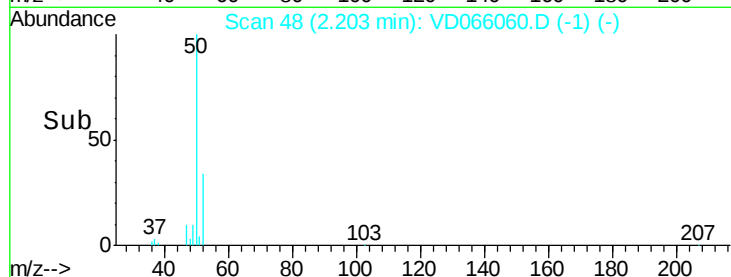
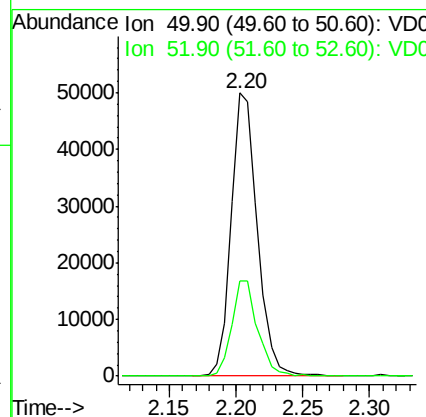
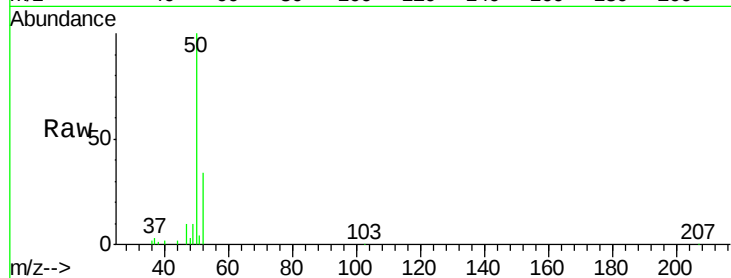
52 33.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.199 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066060.D

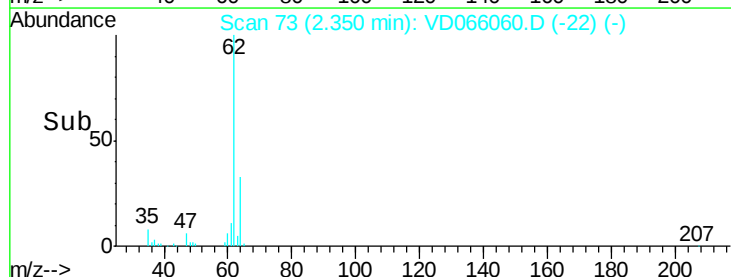
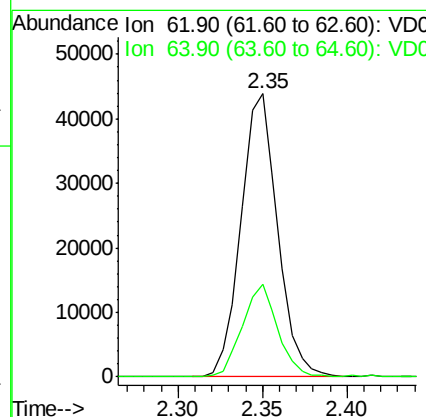
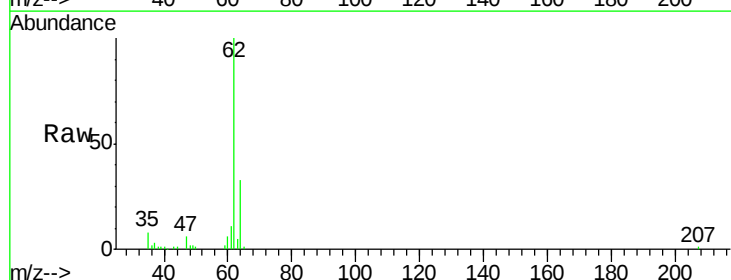
Acq: 24 Jul 2020 21:08

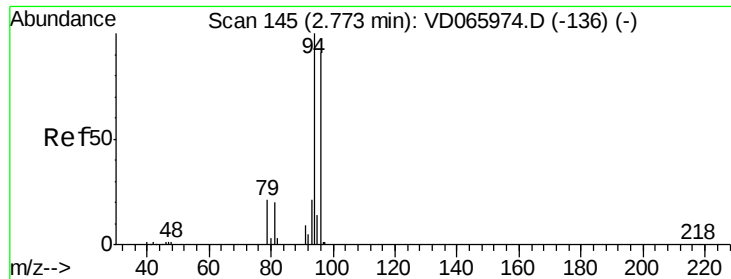
Tgt Ion: 62 Resp: 66240

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 47.951 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 51931

Ion Ratio Lower Upper

94 100

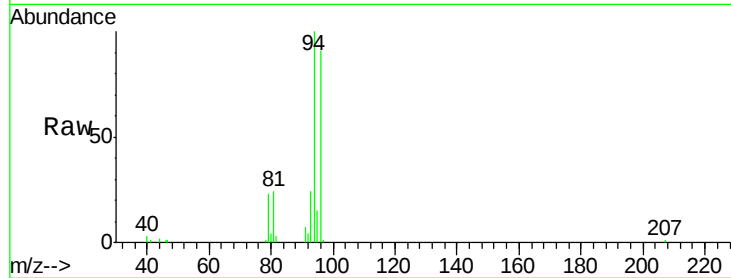
96 90.7 73.0 109.4

Manual Integrations

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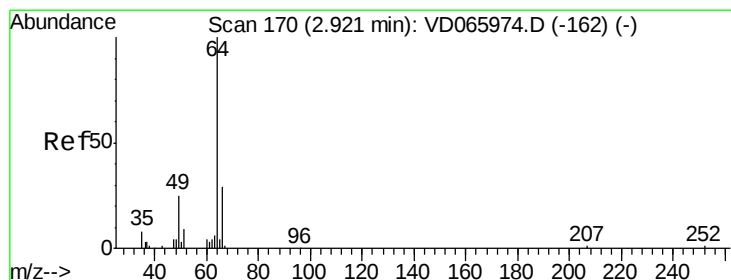
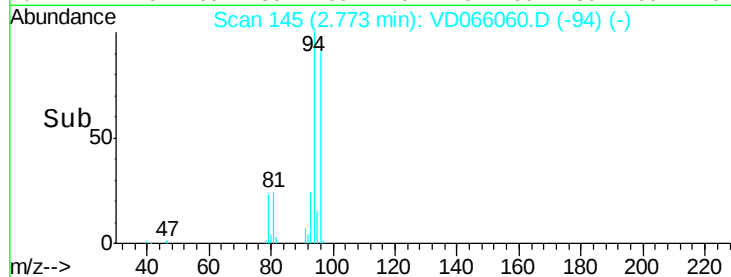
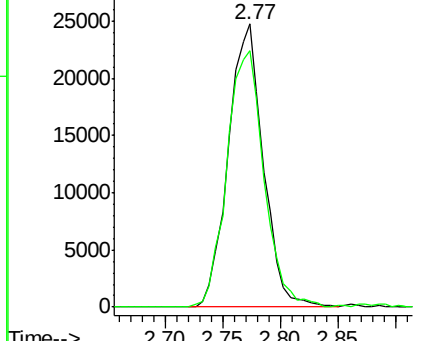
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.688 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066060.D

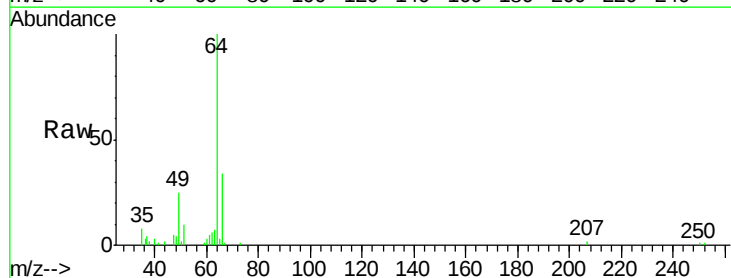
Acq: 24 Jul 2020 21:08

Tgt Ion: 64 Resp: 44566

Ion Ratio Lower Upper

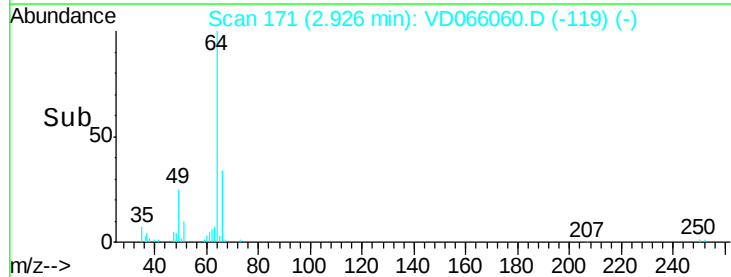
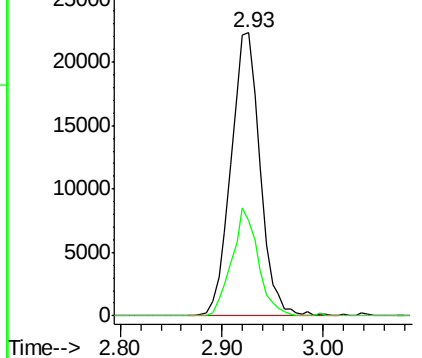
64 100

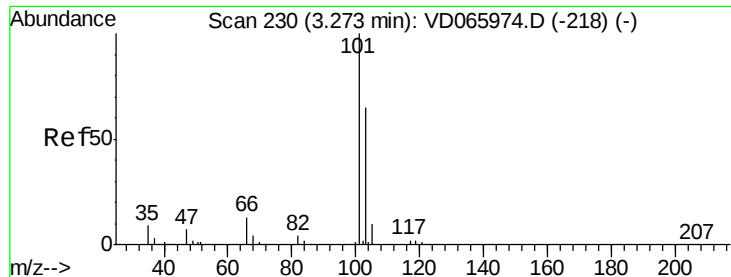
66 33.6 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 45.255 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 168784

Ion Ratio Lower Upper

101 100

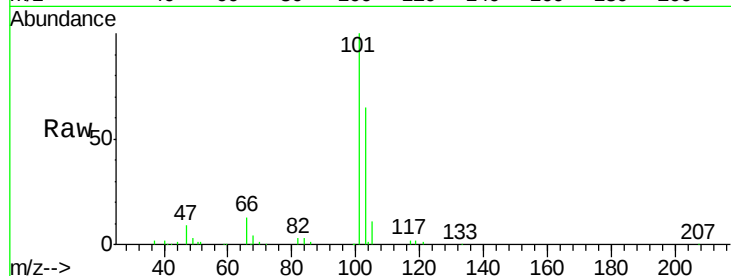
103 65.2 52.1 78.1

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

80000

60000

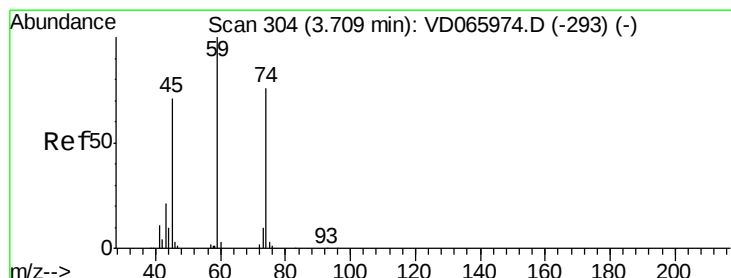
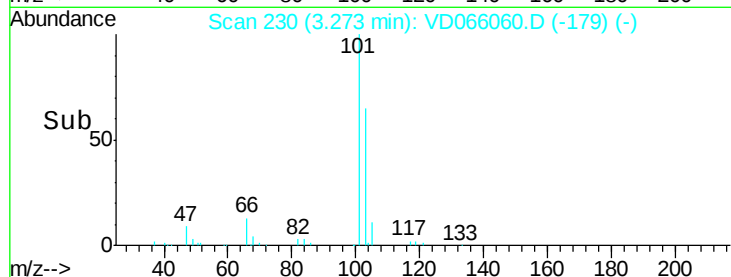
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20000

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Time-->

3.20 3.30 3.40



#8

Diethyl Ether

Concen: 51.042 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD066060.D

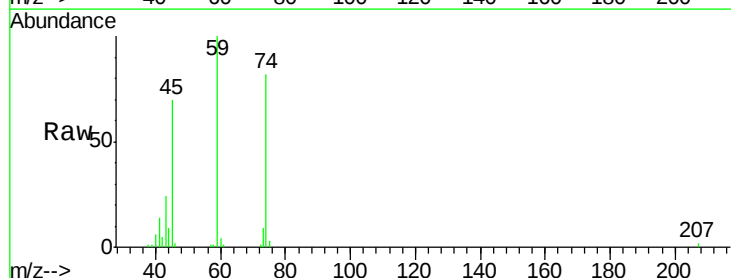
Acq: 24 Jul 2020 21:08

Tgt Ion: 74 Resp: 52620

Ion Ratio Lower Upper

74 100

45 95.5 49.9 149.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

25000

20000

15000

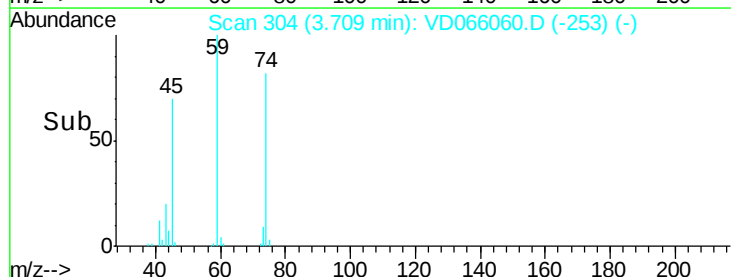
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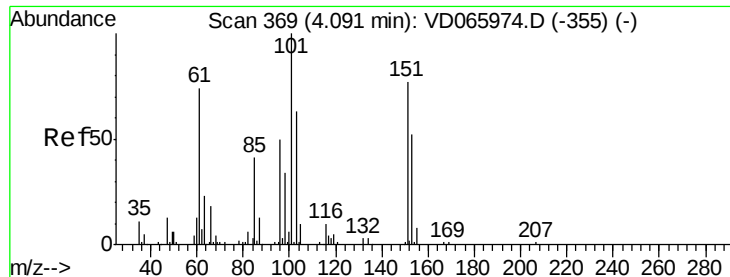
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Time-->

3.60 3.65 3.70 3.75 3.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.423 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

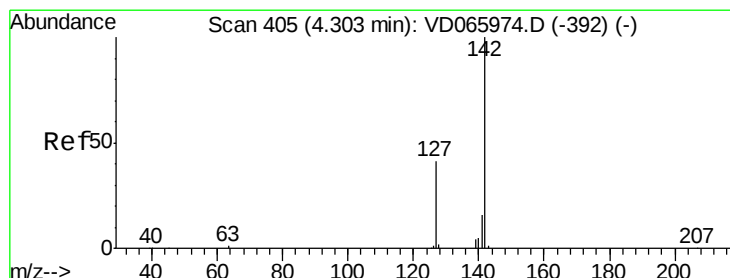
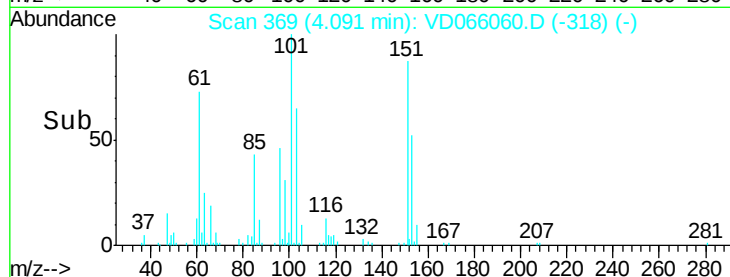
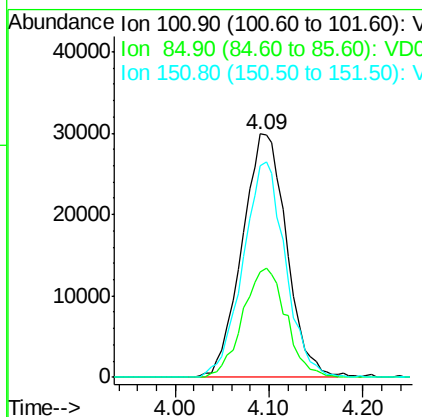
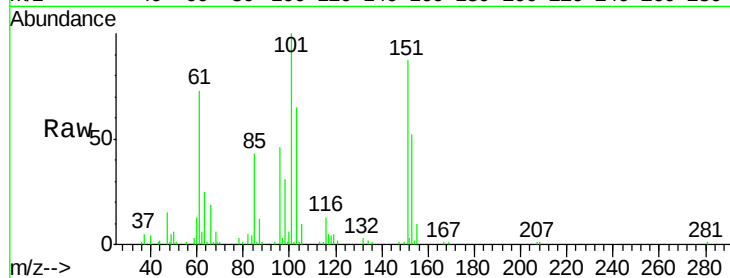
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	97789
Ion Ratio	Lower	Upper	
101	100		
85	43.6	33.6	50.4
151	84.5	66.6	99.8

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#10

Methyl Iodide

Concen: 52.014 ug/l

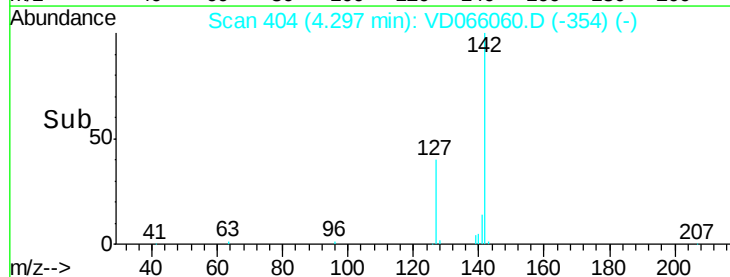
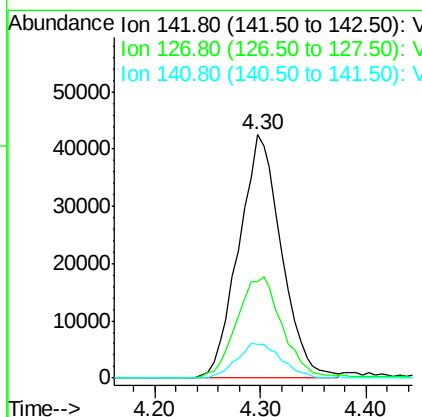
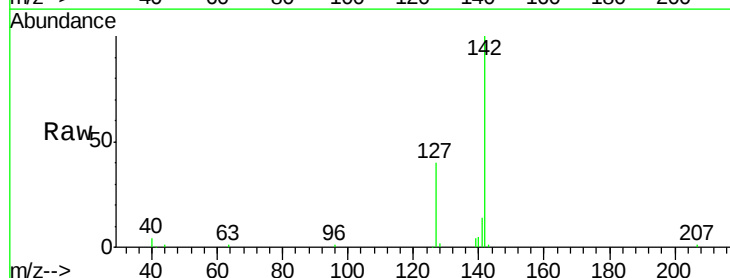
RT: 4.30 min Scan# 404

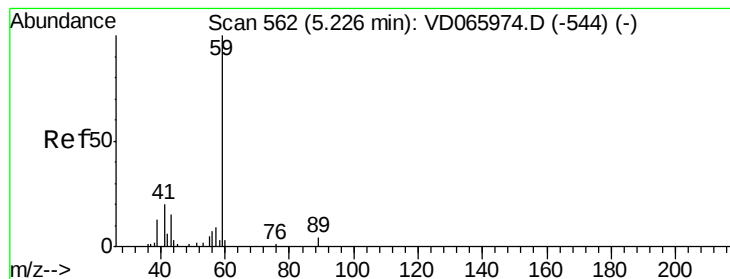
Delta R.T. -0.01 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Tgt Ion:	142	Resp:	119305
Ion Ratio	Lower	Upper	
142	100		
127	44.2	32.9	49.3
141	14.8	11.8	17.6





#11

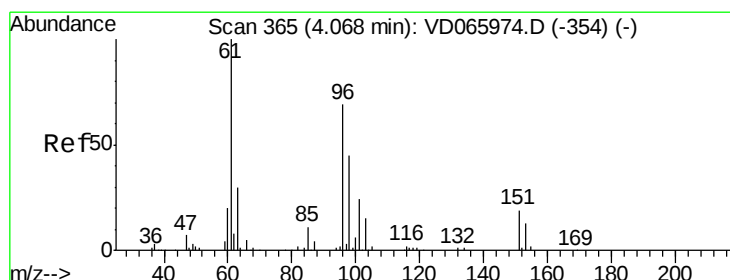
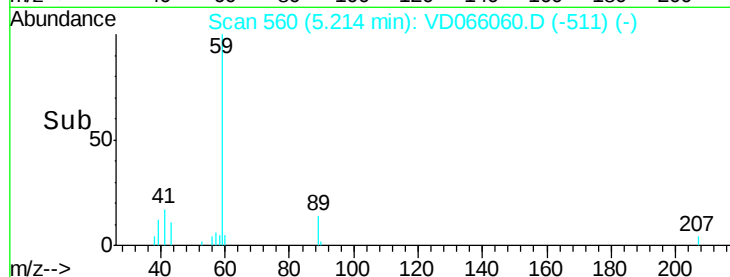
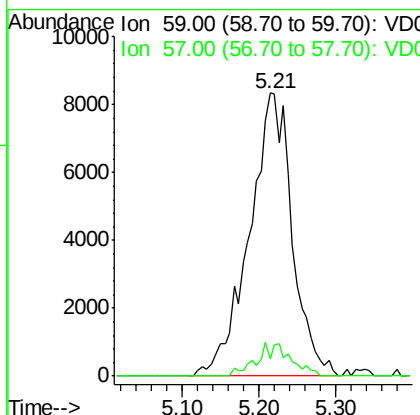
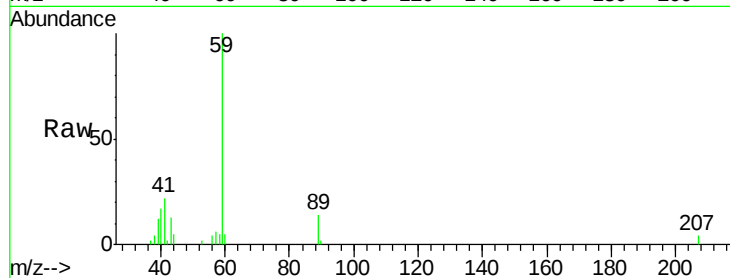
Tert butyl alcohol
 Concen: 242.131 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	32340
Ion Ratio	100	Lower	Upper
57	0.0	4.5	6.7#

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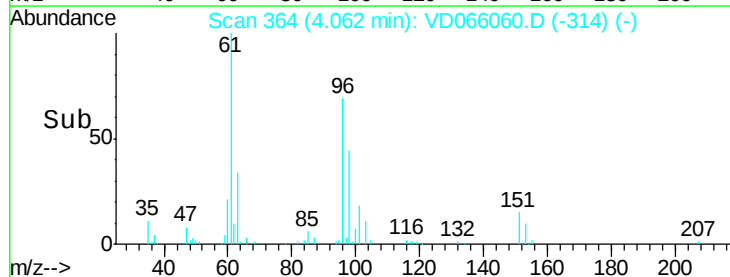
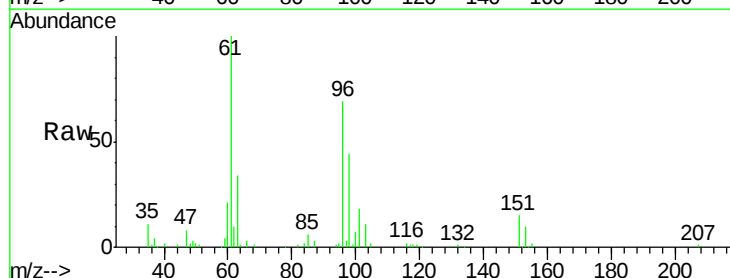
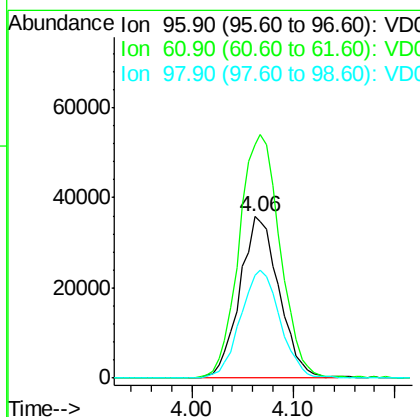
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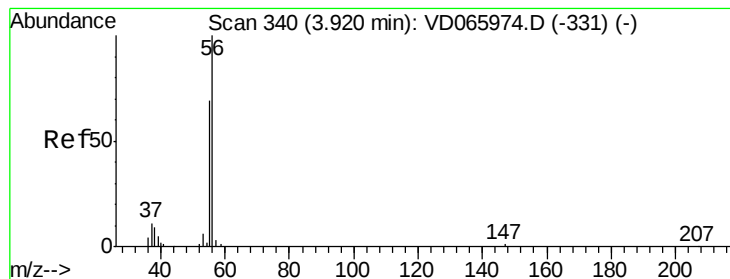


#12

1,1-Dichloroethene
 Concen: 45.006 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion	96	Resp	96747
Ion Ratio	100	Lower	Upper
61	144.8	115.4	173.0
98	63.5	51.5	77.3





#13

Acrolein

Concen: 223.499 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 39836

Ion Ratio Lower Upper

56 100

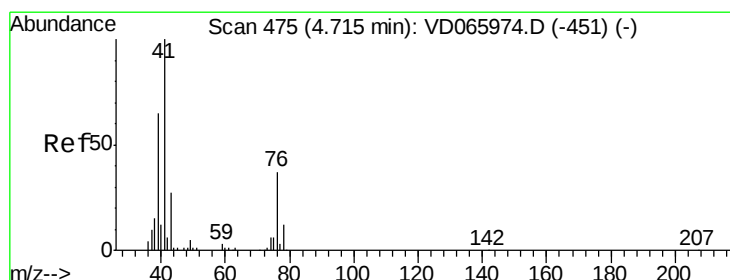
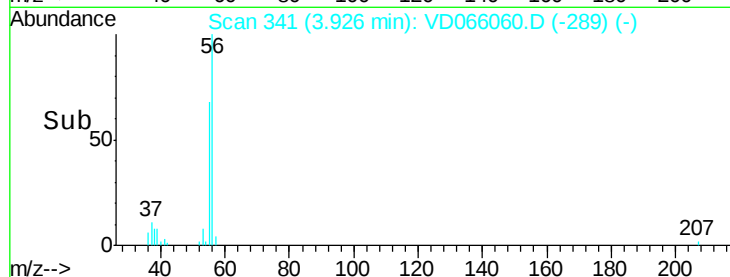
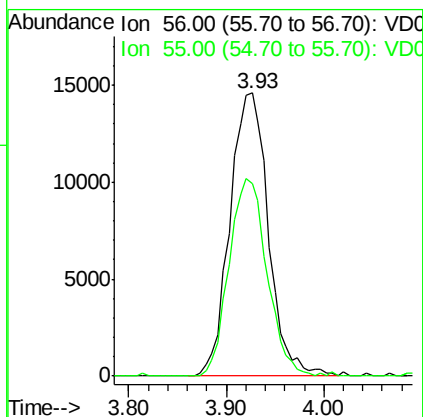
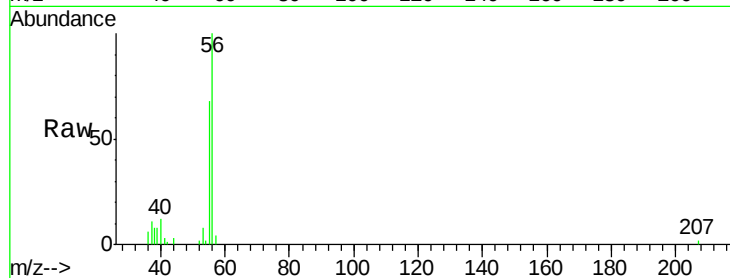
55 69.0 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 47.544 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

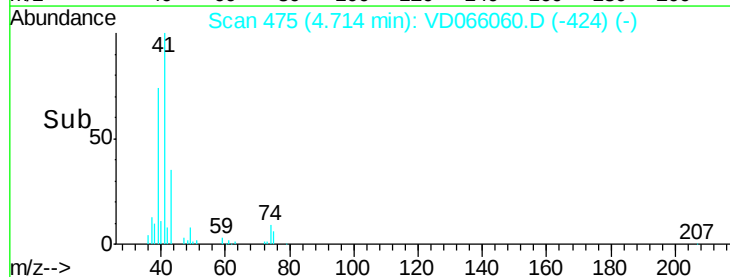
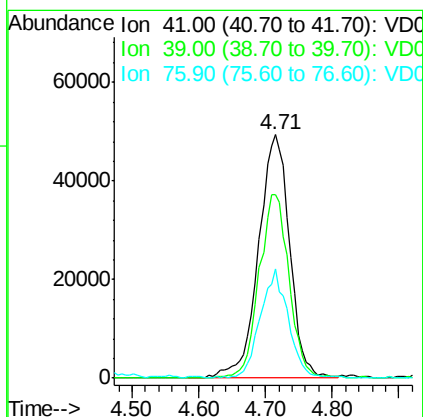
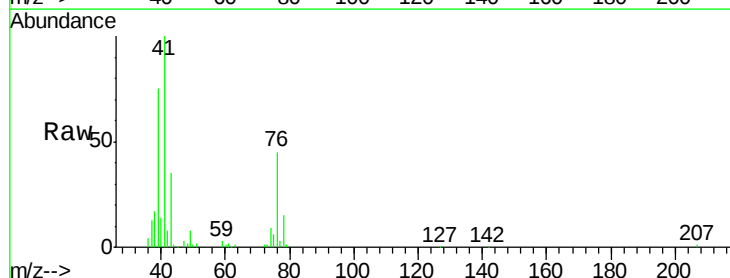
Tgt Ion: 41 Resp: 159761

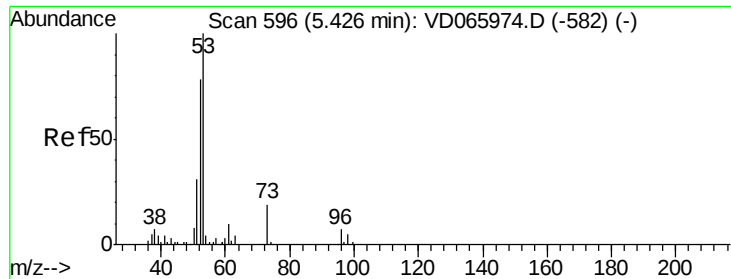
Ion Ratio Lower Upper

41 100

39 72.6 53.4 80.2

76 40.1 29.1 43.7





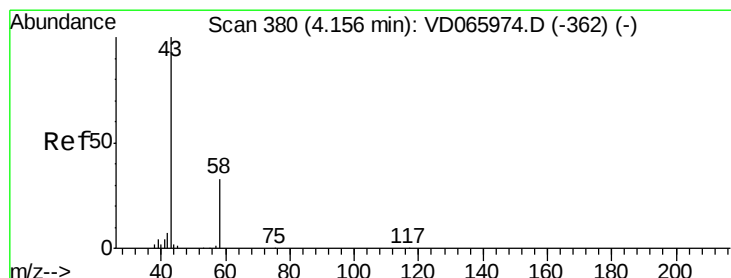
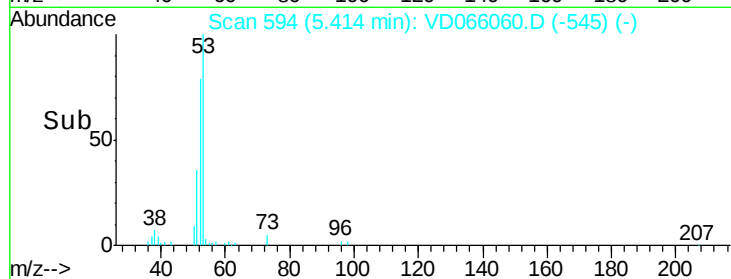
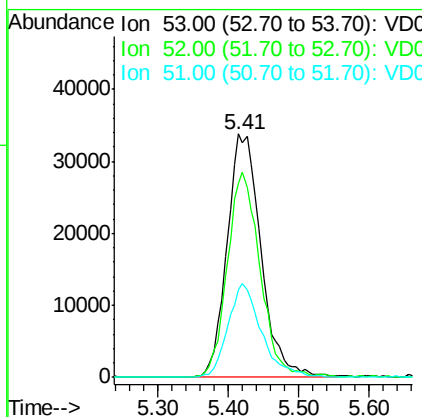
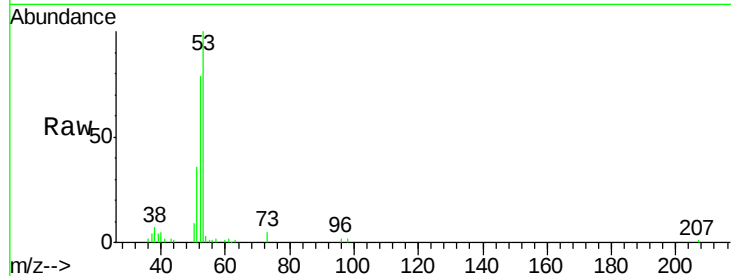
#15
 Acrylonitrile
 Concen: 257.425 ug/l
 RT: 5.41 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.0	67.1	100.7
51	37.8	28.7	43.1

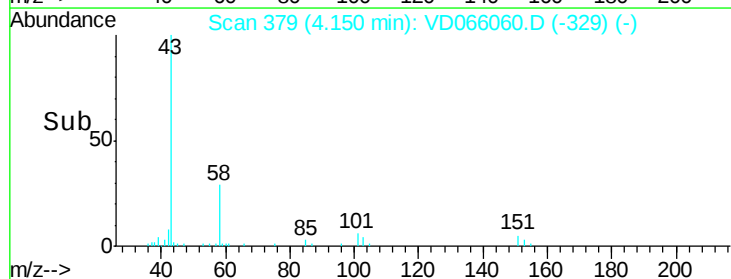
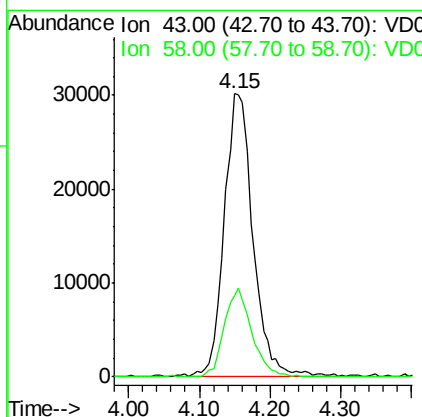
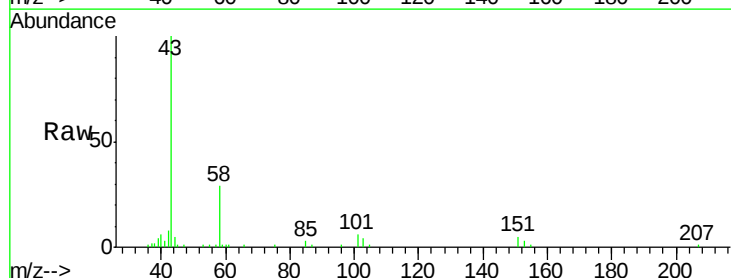
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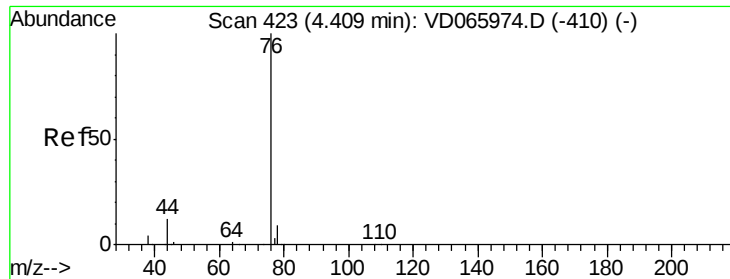
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#16
 Acetone
 Concen: 199.590 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.8	26.3	39.5





#17

Carbon Disulfide

Concen: 43.517 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 303438

Ion Ratio Lower Upper

76 100

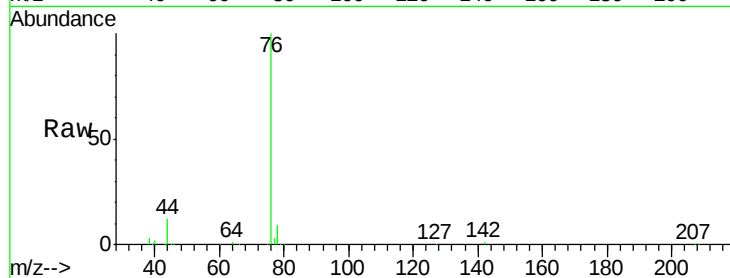
78 9.0 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

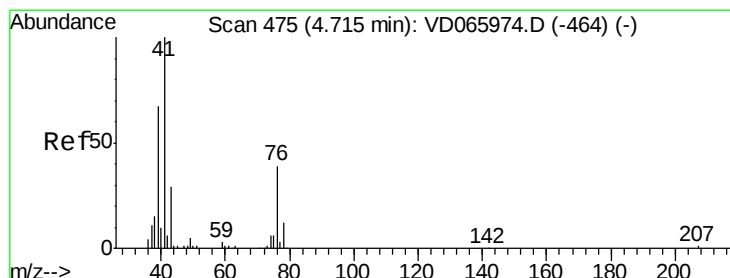
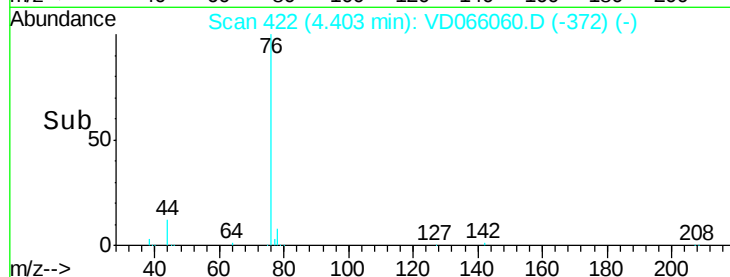
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 48.924 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066060.D

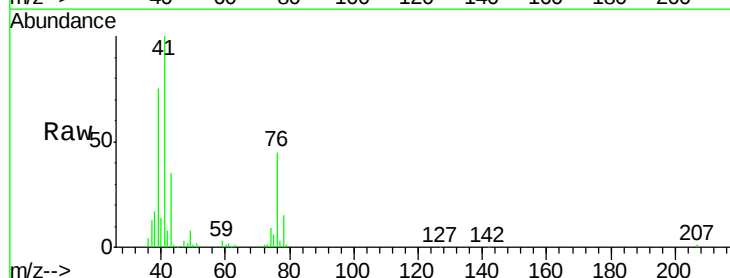
Acq: 24 Jul 2020 21:08

Tgt Ion: 43 Resp: 48736

Ion Ratio Lower Upper

43 100

74 25.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

20000

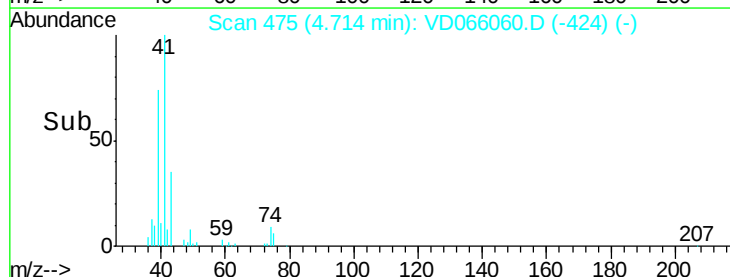
15000

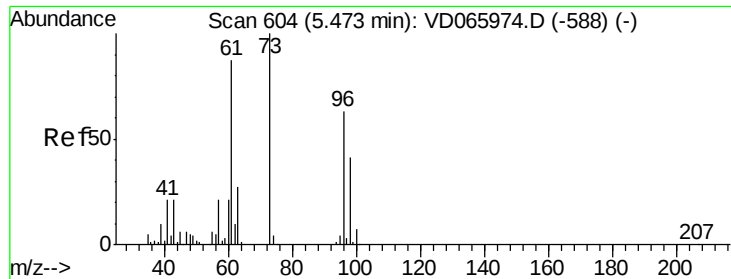
10000

5000

0

Time-->





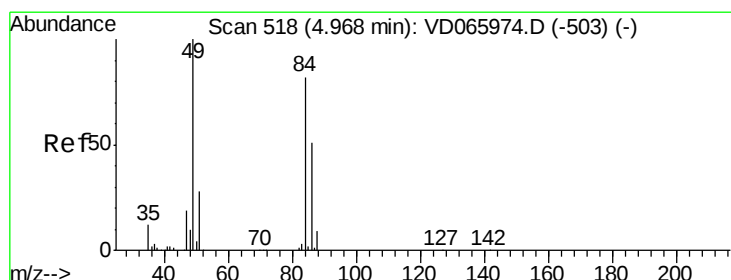
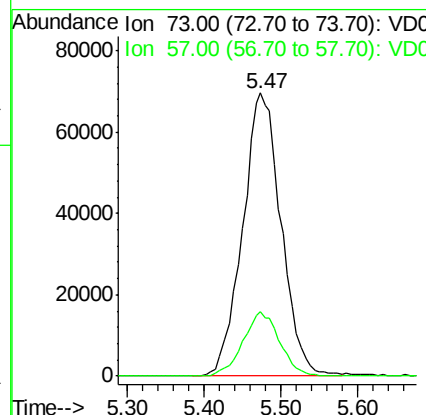
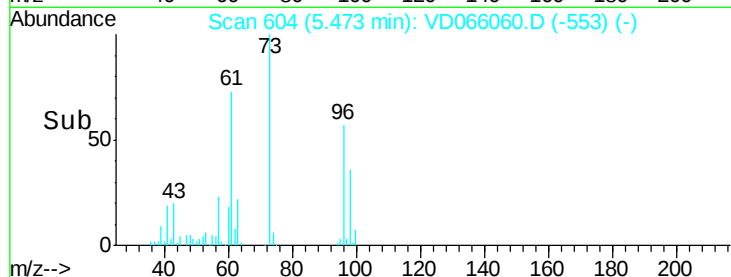
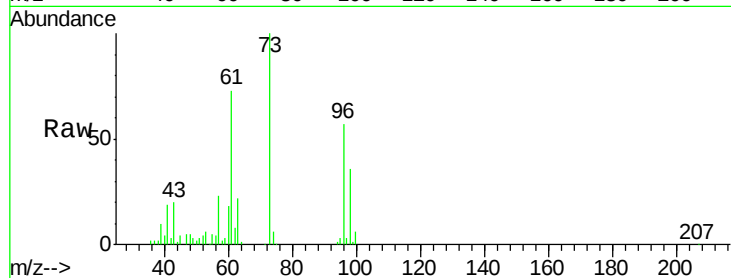
#19
Methvl tert-butvl Ether
Concen: 54.881 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 242391
Ion Ratio Lower Upper
73 100
57 22.8 17.0 25.4

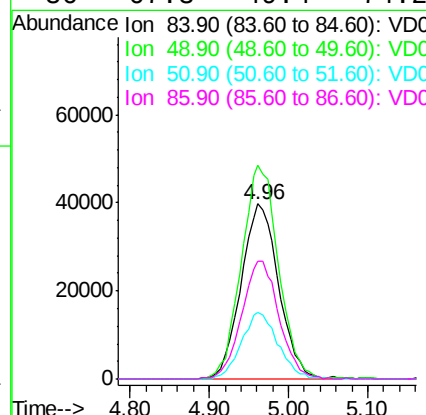
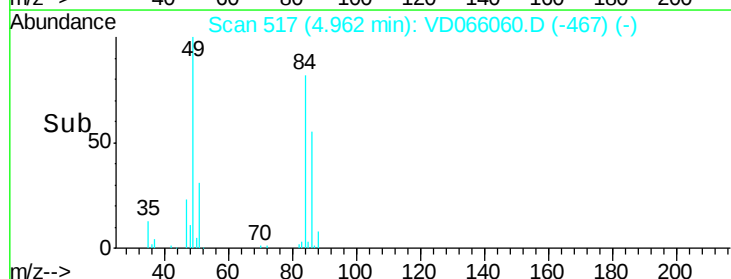
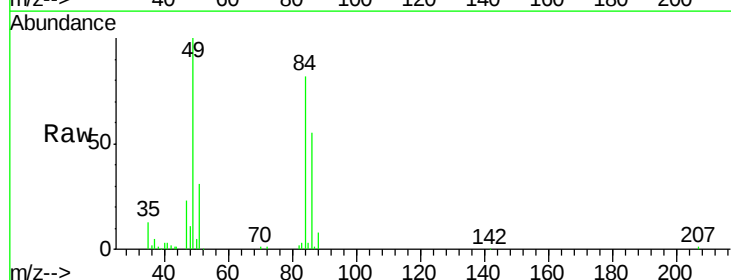
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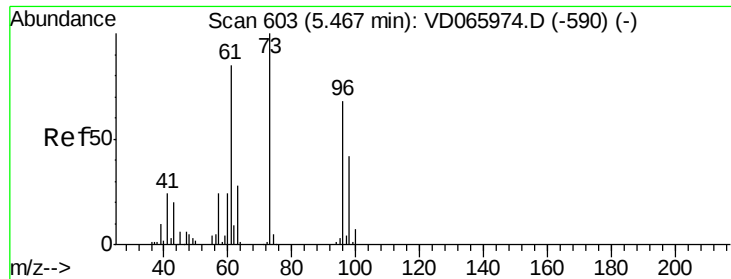
MMDadoda
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#20
Methylene Chloride
Concen: 55.652 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion: 84 Resp: 130978
Ion Ratio Lower Upper
84 100
49 122.1 97.7 146.5
51 38.2 27.4 41.2
86 67.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 50.894 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

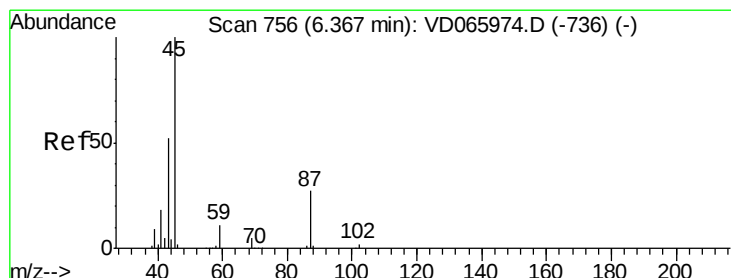
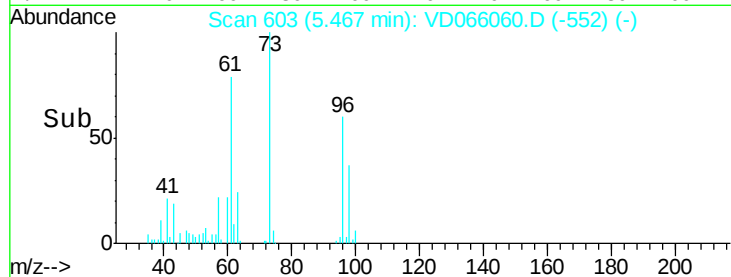
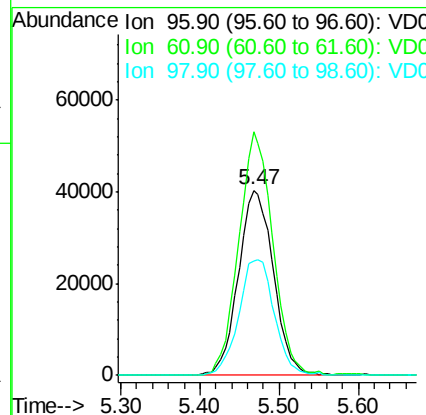
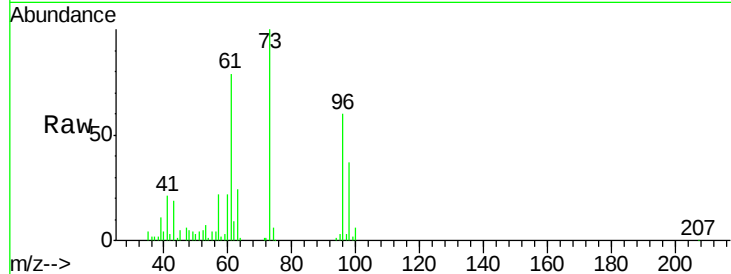
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	123648
Ion	Ratio	Lower	Upper
96	100		
61	131.4	100.5	150.7
98	61.6	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.492 ug/l

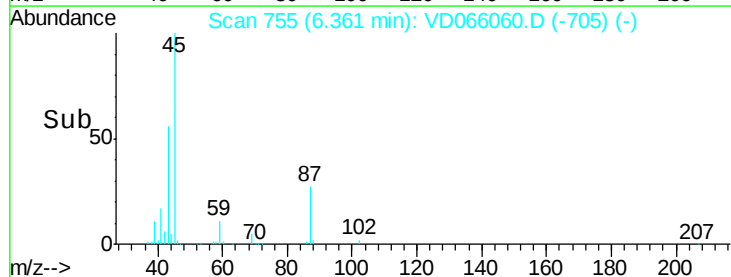
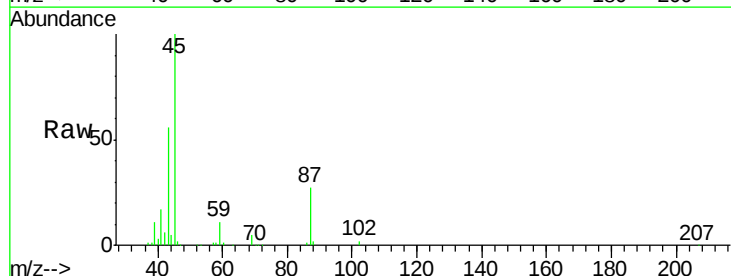
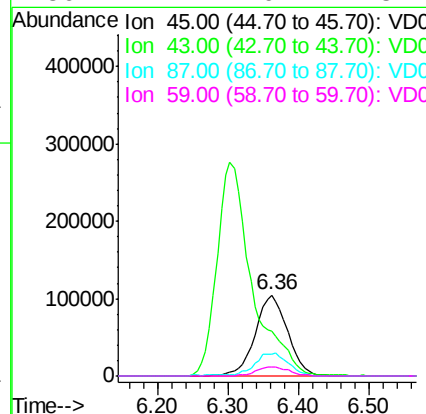
RT: 6.36 min Scan# 755

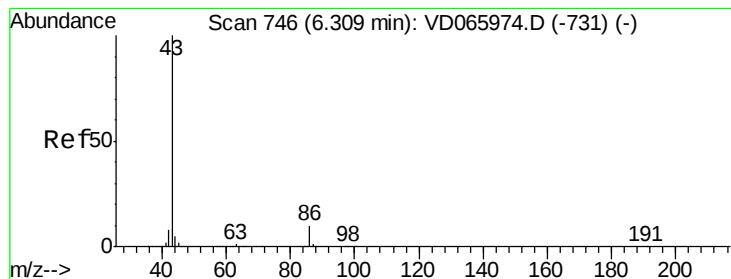
Delta R.T. -0.01 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Tgt Ion:	45	Resp:	335103
Ion	Ratio	Lower	Upper
45	100		
43	55.0	43.0	64.4
87	26.6	22.0	33.0
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 264.732 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 953124

Ion Ratio Lower Upper

43 100

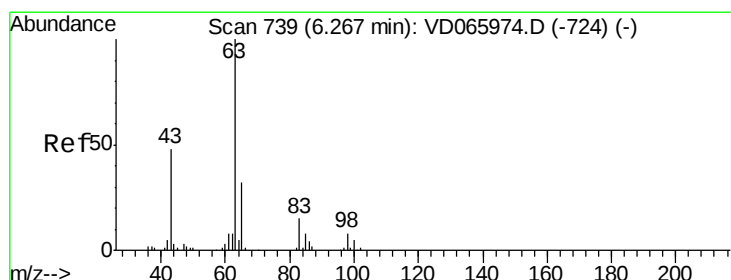
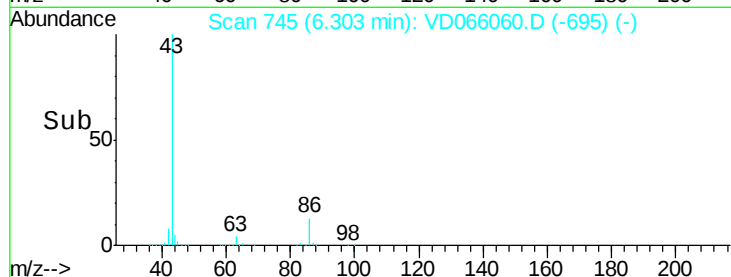
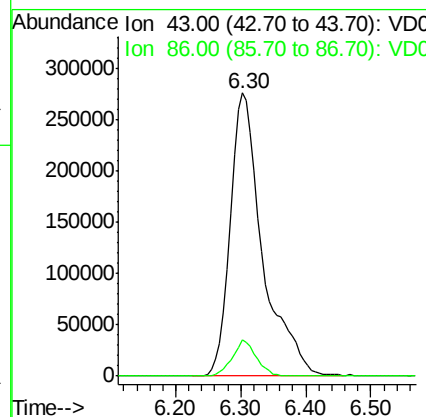
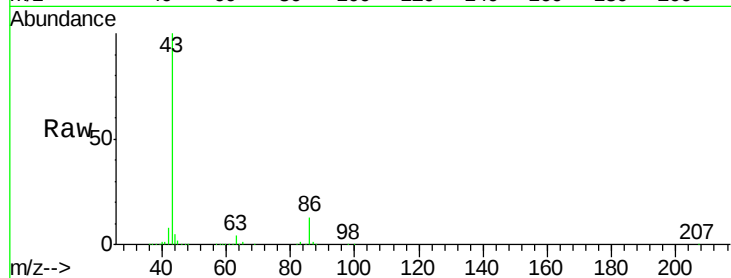
86 12.8 7.9 11.9#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.459 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

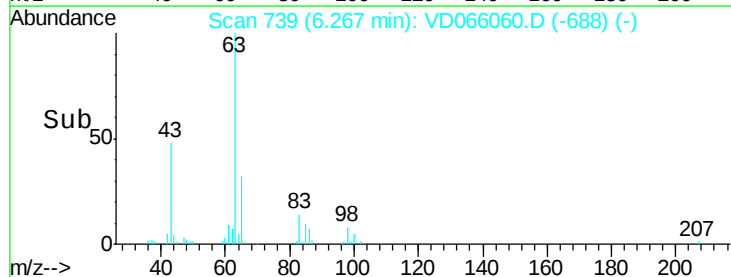
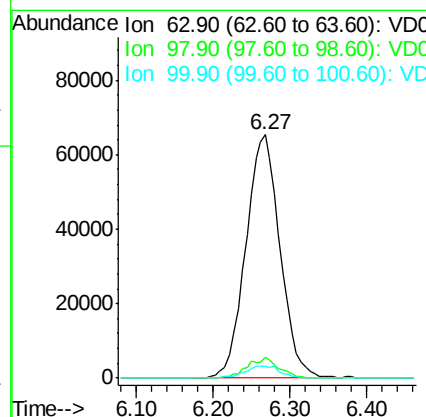
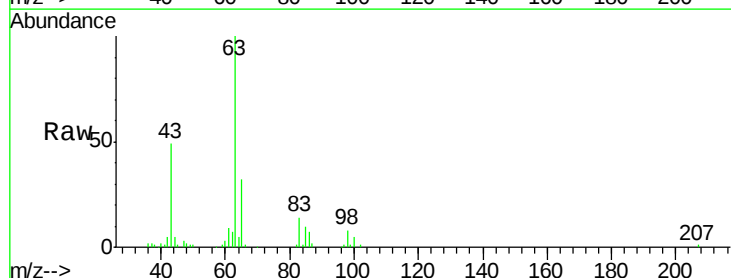
Tgt Ion: 63 Resp: 202915

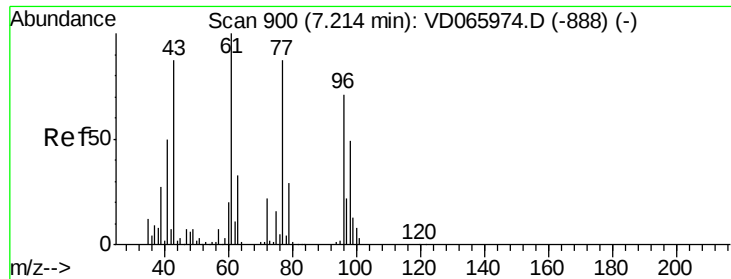
Ion Ratio Lower Upper

63 100

98 8.4 4.3 12.8

100 4.9 2.5 7.5





#25

2-Butanone

Concen: 228.408 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 129782

Ion Ratio Lower Upper

43 100

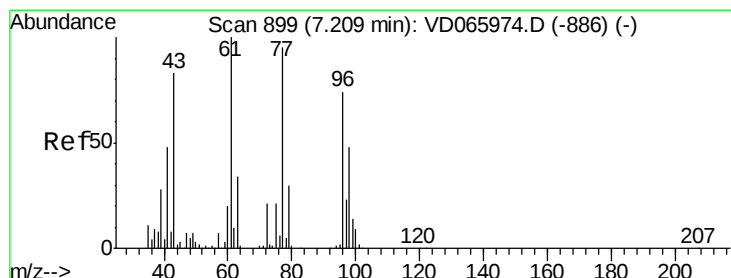
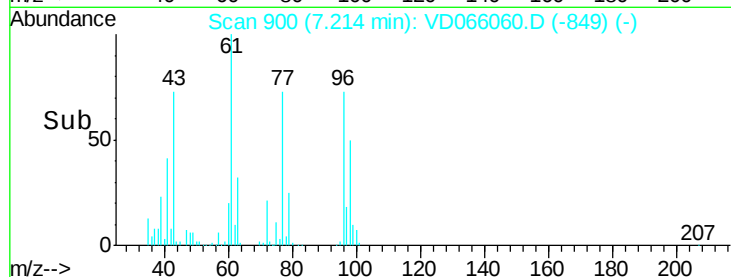
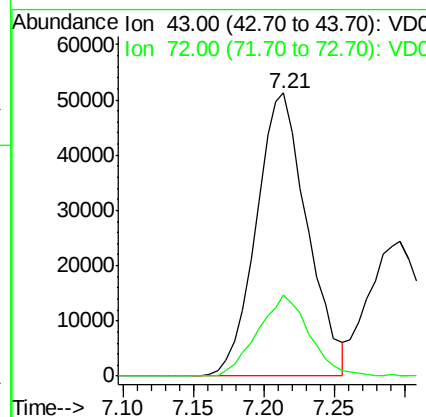
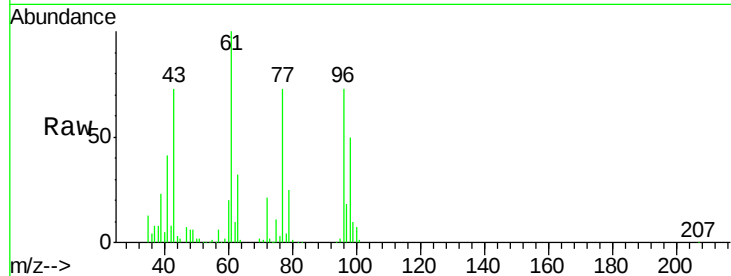
72 28.6 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.127 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066060.D

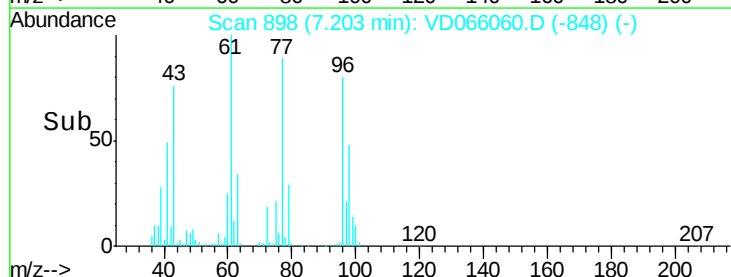
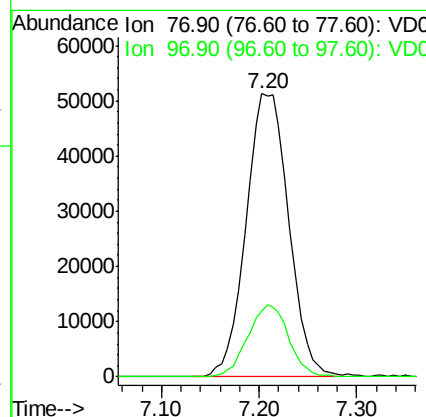
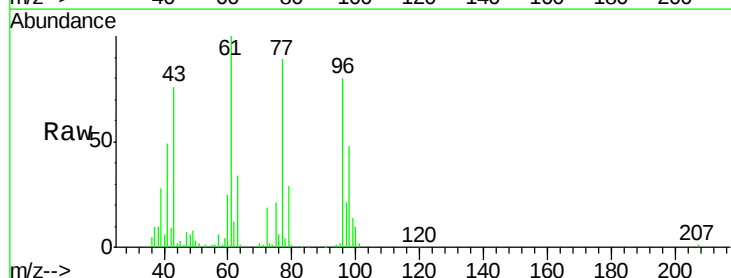
Acq: 24 Jul 2020 21:08

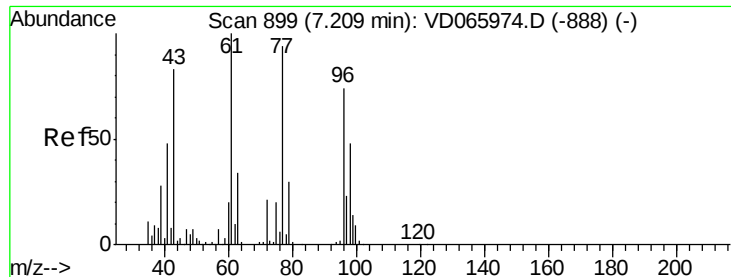
Tgt Ion: 77 Resp: 156970

Ion Ratio Lower Upper

77 100

97 24.2 11.6 34.7





#27

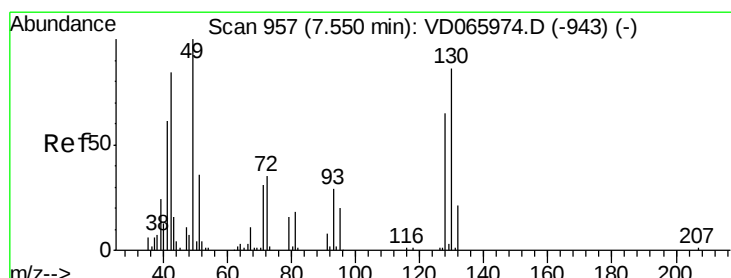
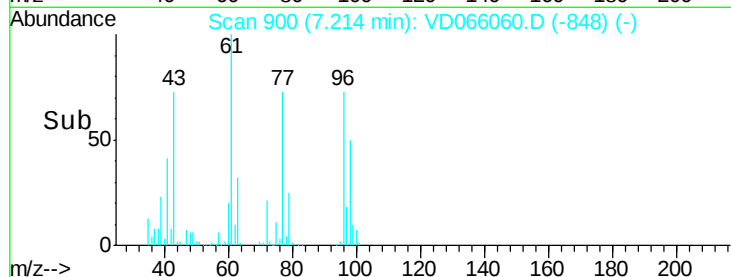
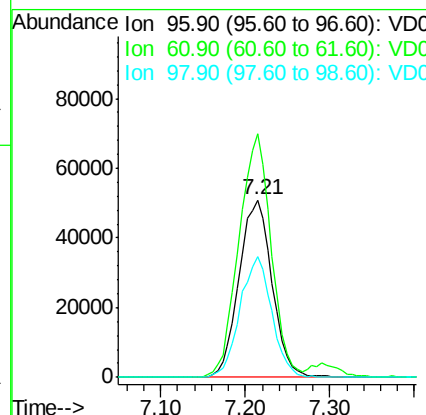
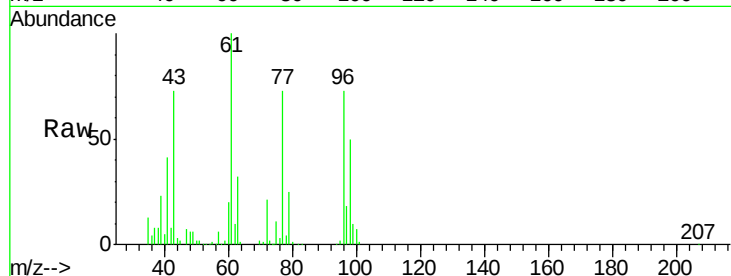
cis-1,2-Dichloroethene
Concen: 53.671 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	276.6
98	64.9	0.0	130.8

Manual Integrations
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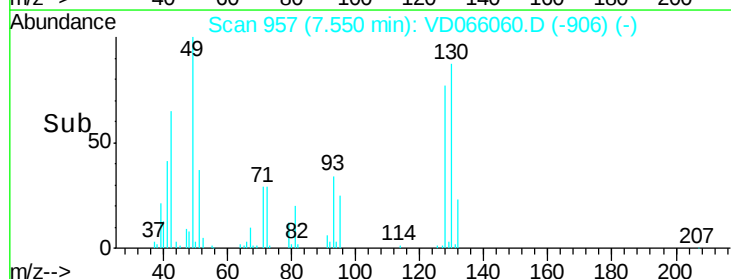
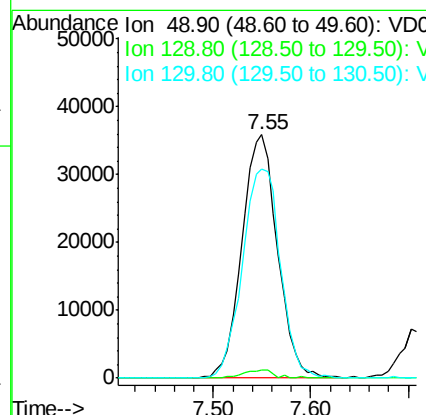
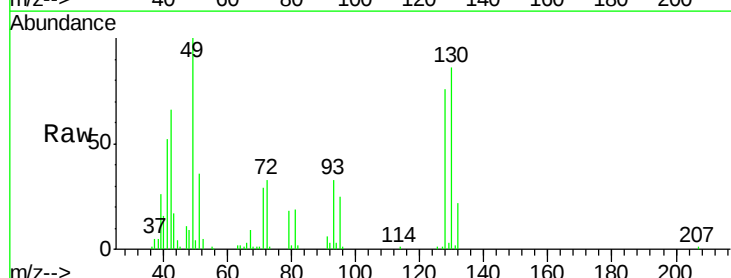
MMDadoda
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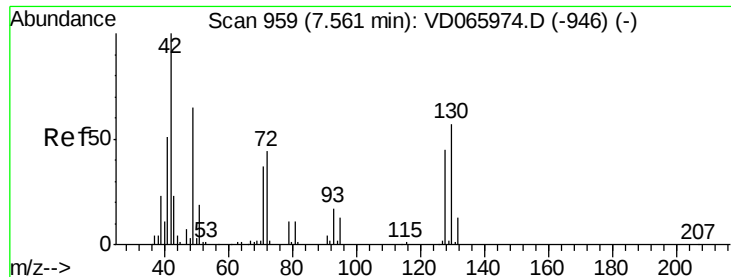


#28

Bromochloromethane
Concen: 55.707 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	92.0	68.4	102.6





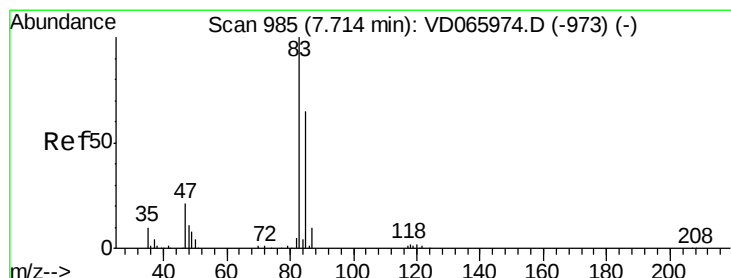
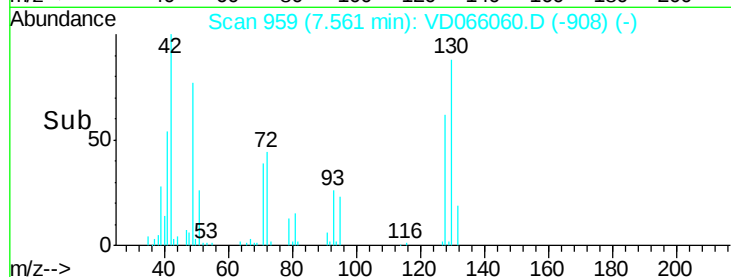
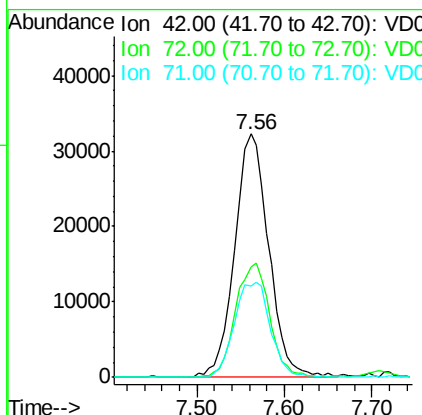
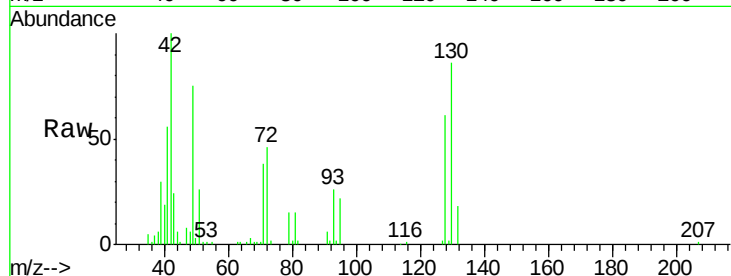
#29
Tetrahydrofuran
Concen: 243.074 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	34.2	51.2
71	41.2	31.4	47.2

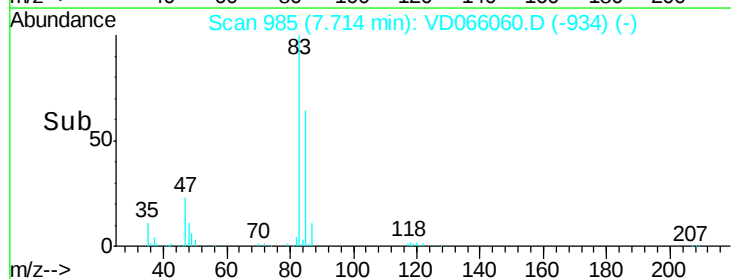
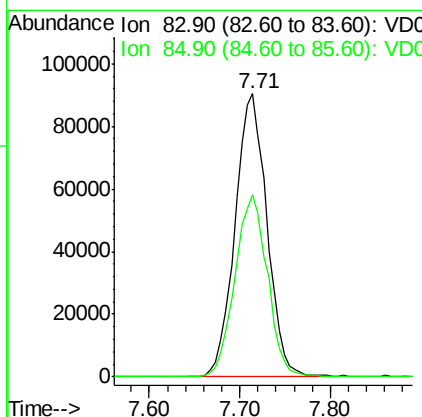
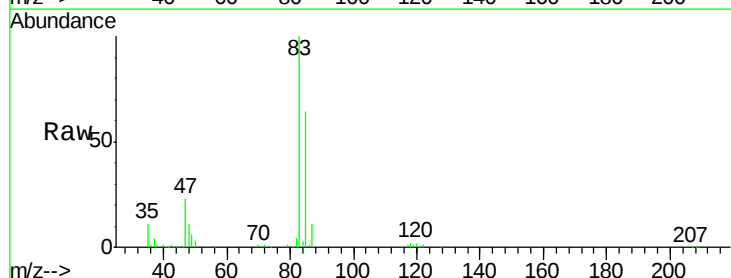
Manual Integrations
APPROVED

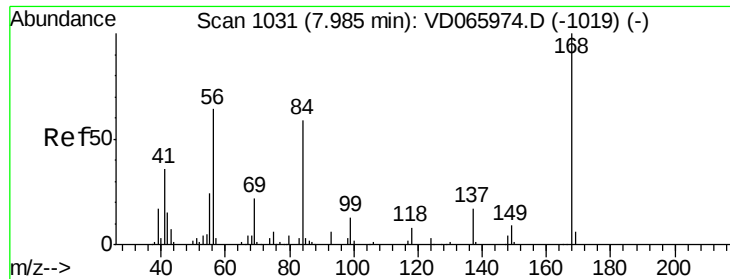
MMDadoda
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#30
Chloroform
Concen: 54.608 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1





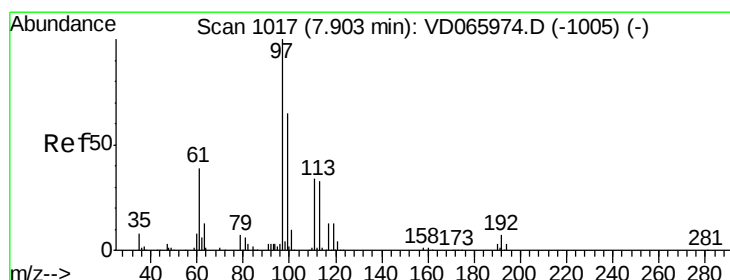
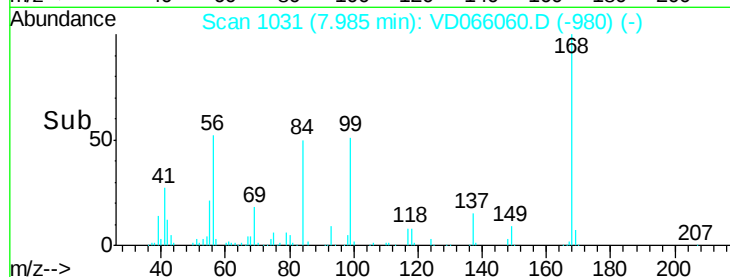
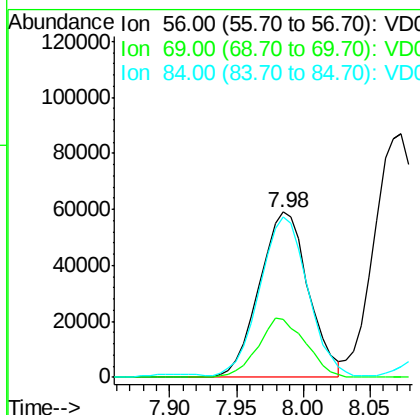
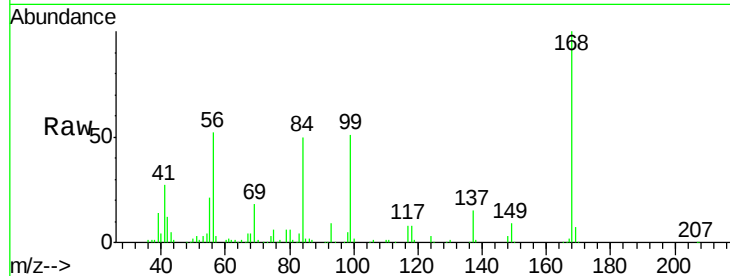
#31
Cyclohexane
Concen: 39.588 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		150652		
69	35.0	28.0	42.0		
84	95.2	72.6	109.0		

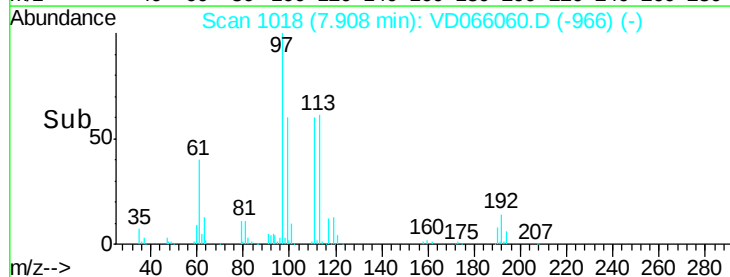
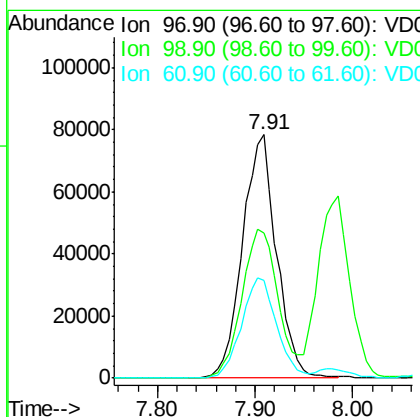
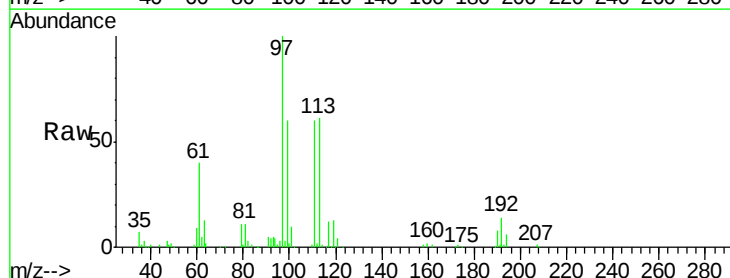
Manual Integrations
APPROVED

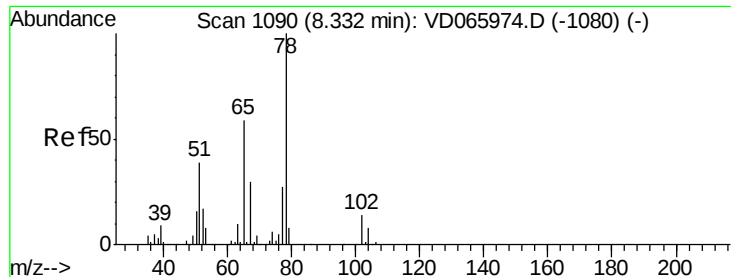
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.131 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		191368		
99	65.1	51.8	77.6		
61	42.4	33.3	49.9		





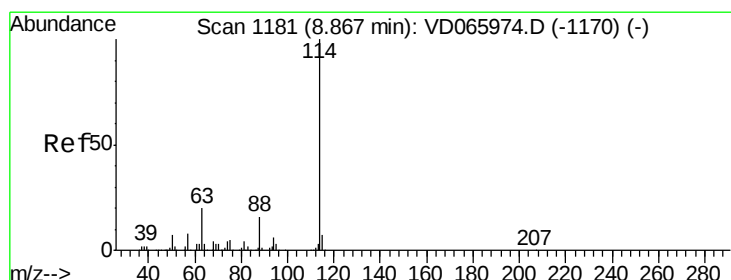
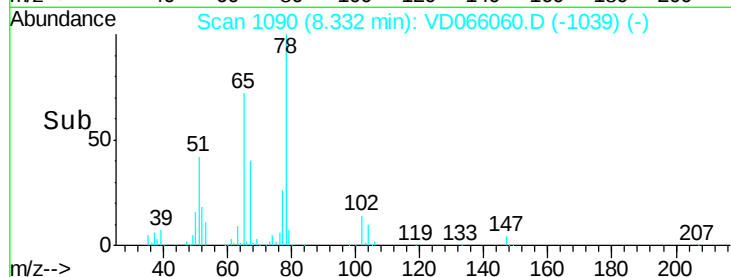
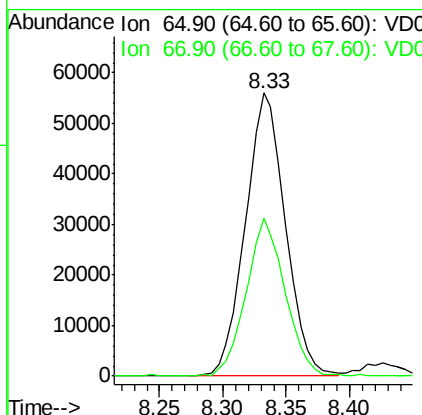
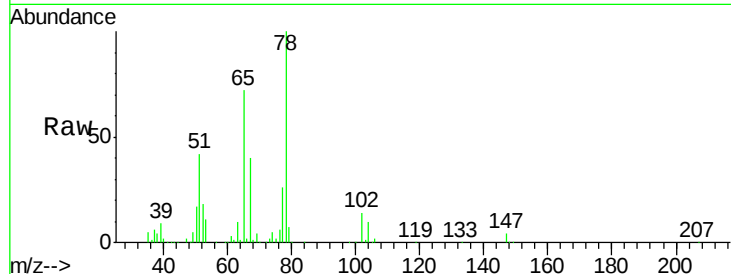
#33
 1,2-Dichloroethane-d4
 Concen: 58.189 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123101		
67	54.1	0.0	105.0	

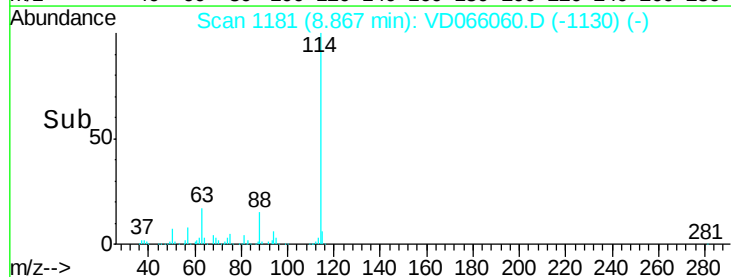
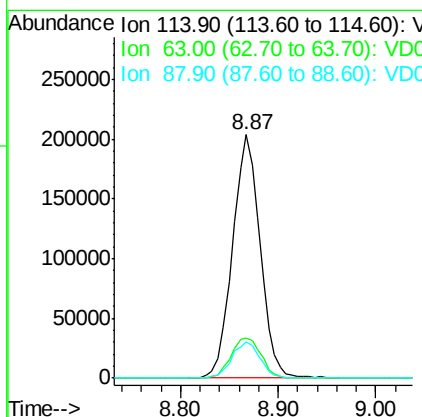
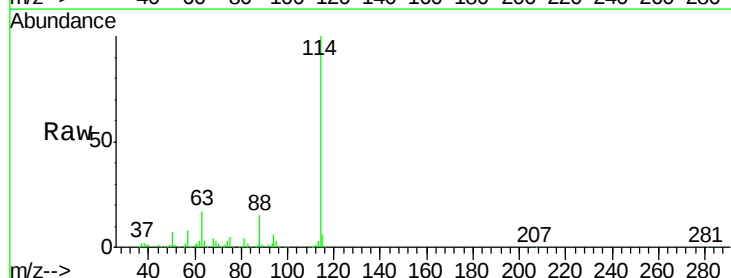
Manual Integrations
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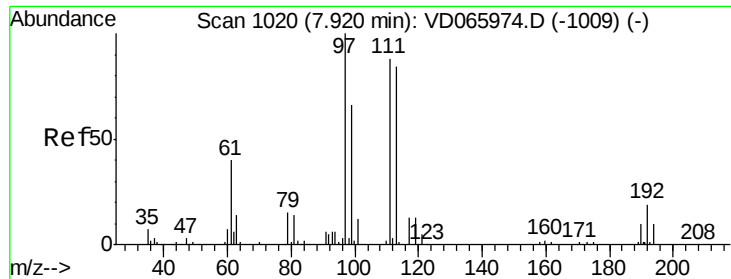
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	399536		
63	16.5	0.0	39.6	
88	14.8	0.0	31.2	





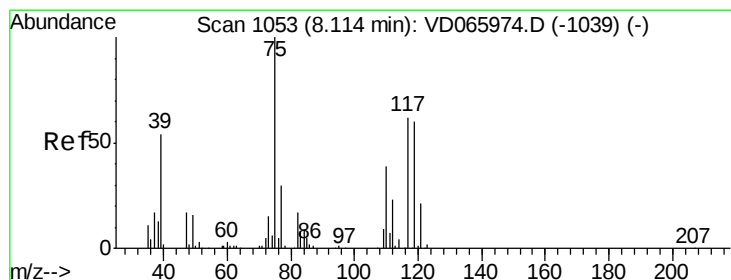
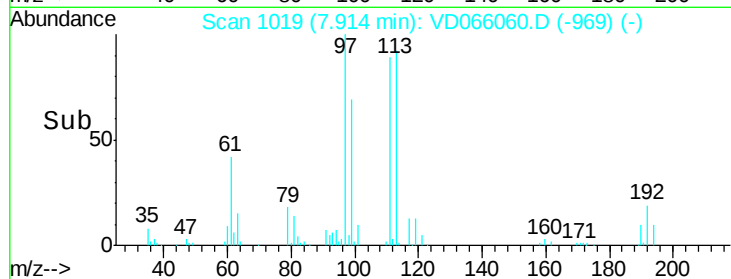
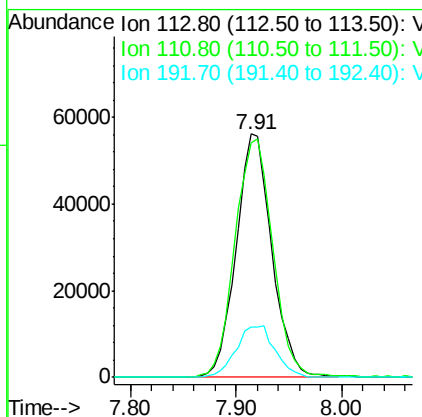
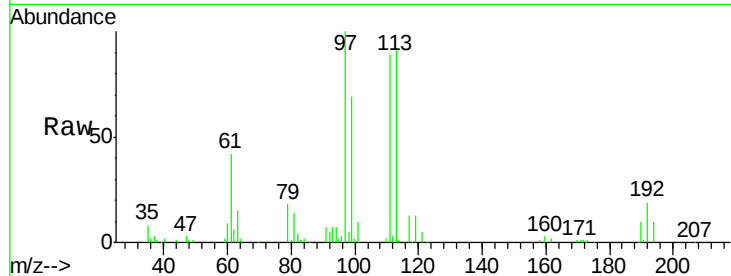
#35
Dibromofluoromethane
Concen: 54.197 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131336		
111	104.5	83.2	124.8	
192	23.1	18.7	28.1	

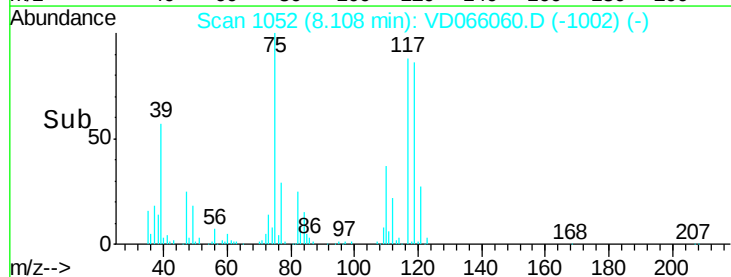
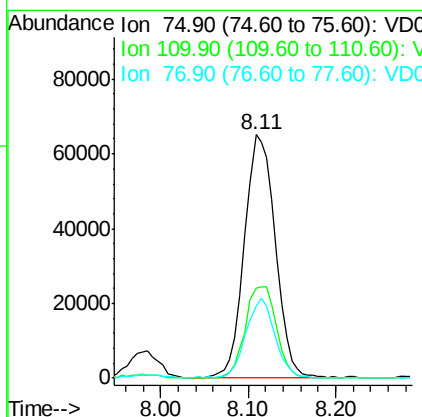
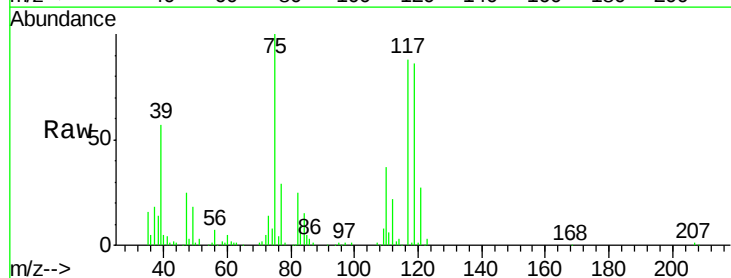
Manual Integrations
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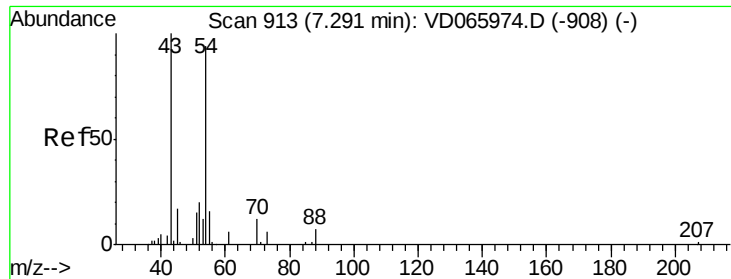
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#36
1,1-Dichloropropene
Concen: 45.352 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	154644		
110	38.3	19.5	58.5	
77	31.3	24.7	37.1	





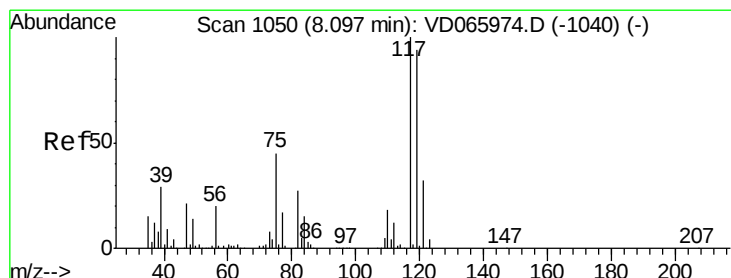
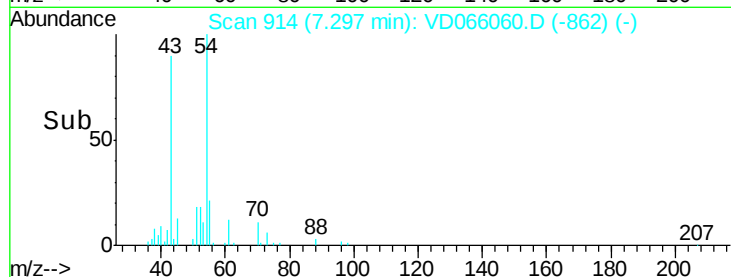
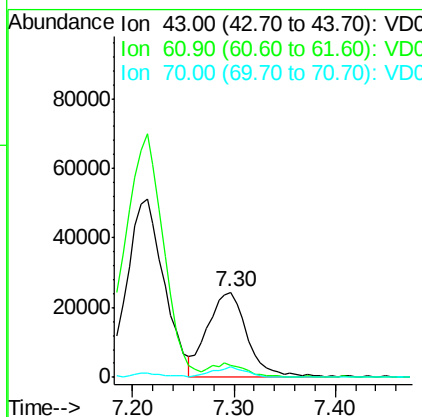
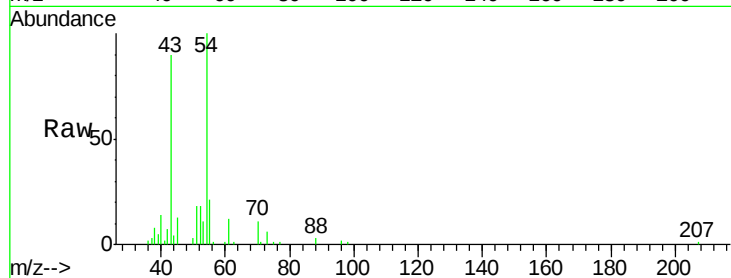
#37
Ethyl Acetate
Concen: 50.223 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.4	17.0
70	10.4	9.3	13.9

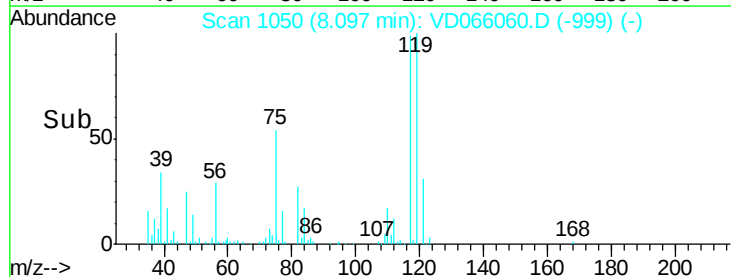
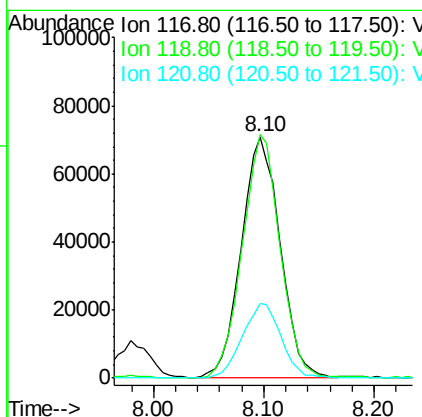
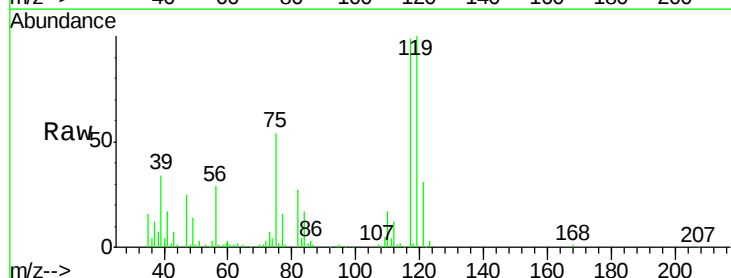
Manual Integrations
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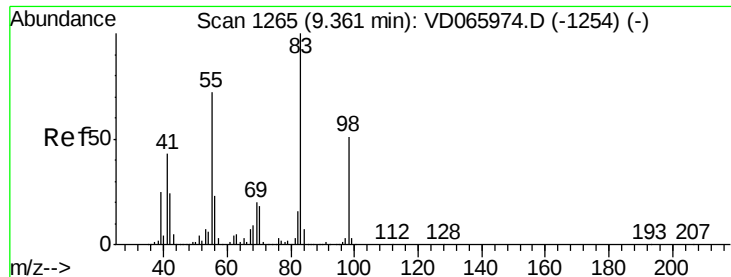
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#38
Carbon Tetrachloride
Concen: 47.169 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.0	75.0	112.6
121	30.9	25.5	38.3





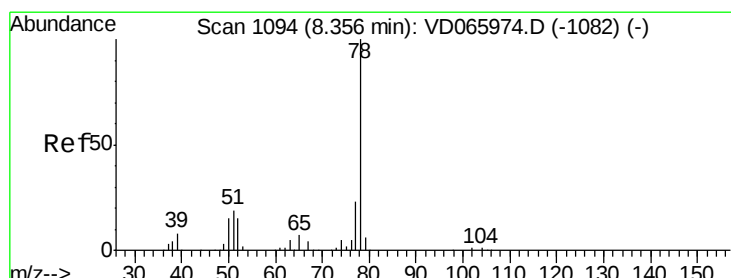
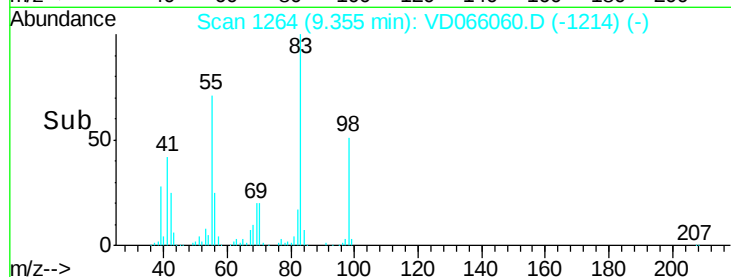
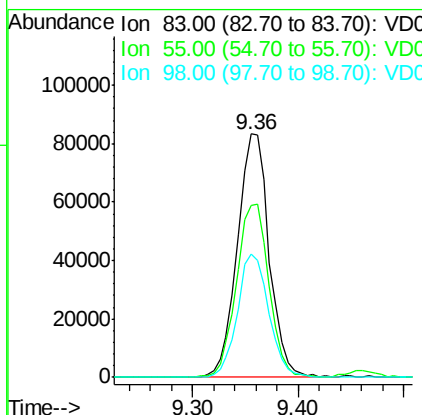
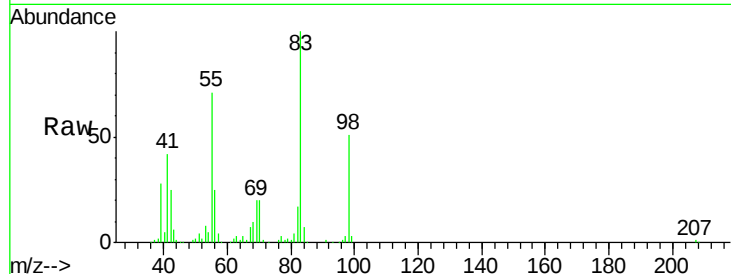
#39
Methvlcvclohexane
Concen: 42.113 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.8	57.3	85.9
98	50.9	41.0	61.6

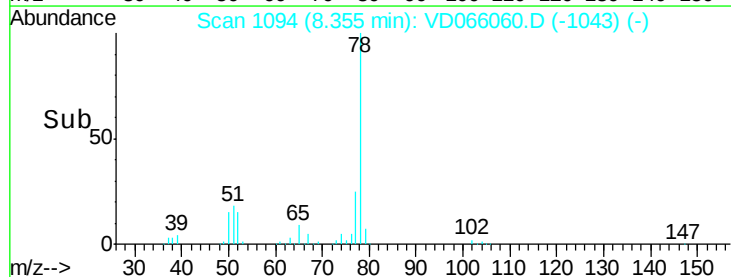
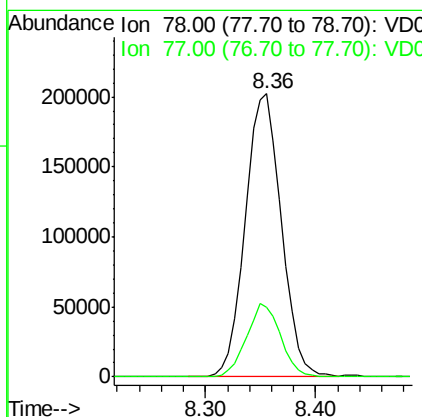
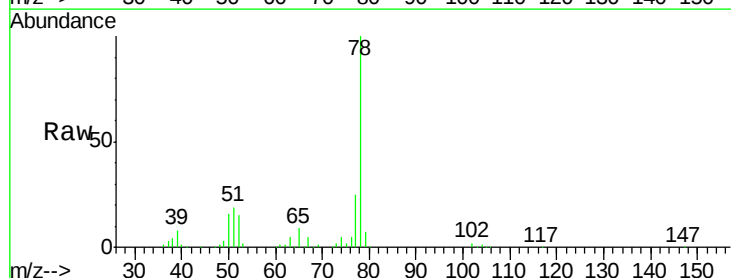
Manual Integrations
APPROVED

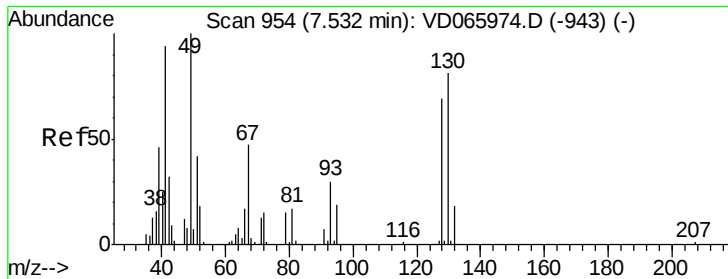
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#40
Benzene
Concen: 48.662 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.6	27.8





#41

Methacrylonitrile

Concen: 43.916 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 32761

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

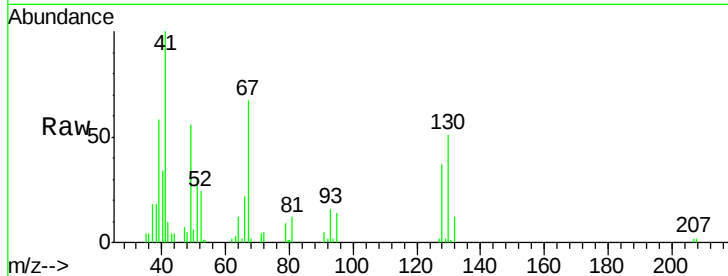
52 0.0 0.0 0.0

Manual Integrations

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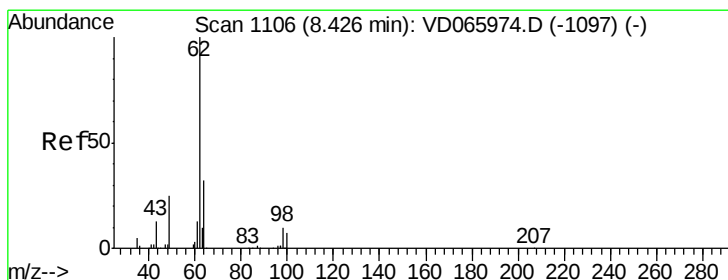
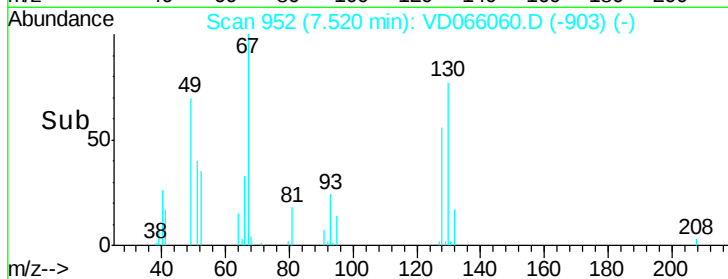
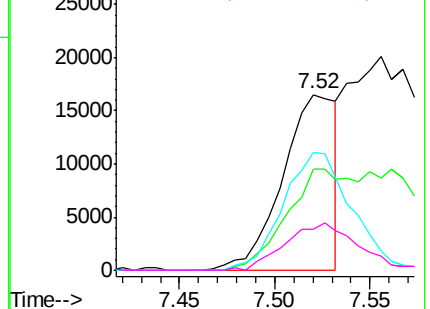


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 53.199 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD066060.D

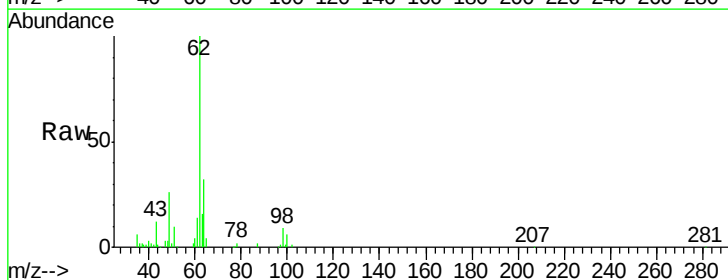
Acq: 24 Jul 2020 21:08

Tgt Ion: 62 Resp: 139066

Ion Ratio Lower Upper

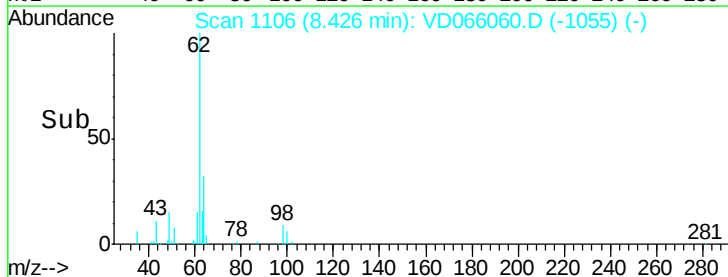
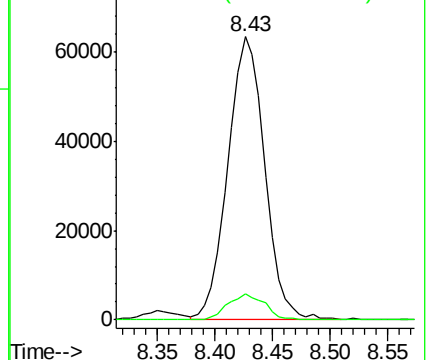
62 100

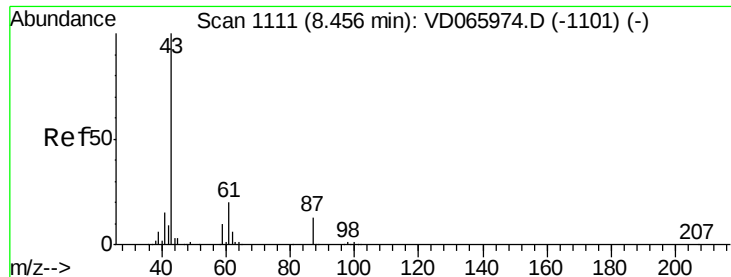
98 9.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.593 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

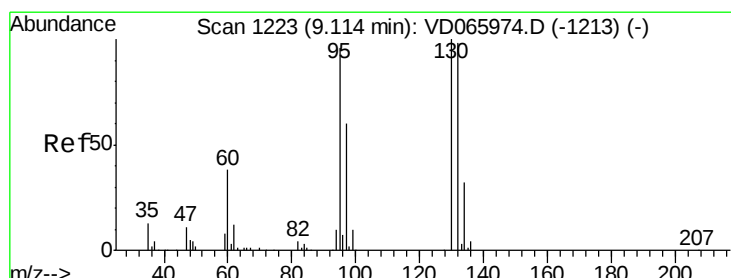
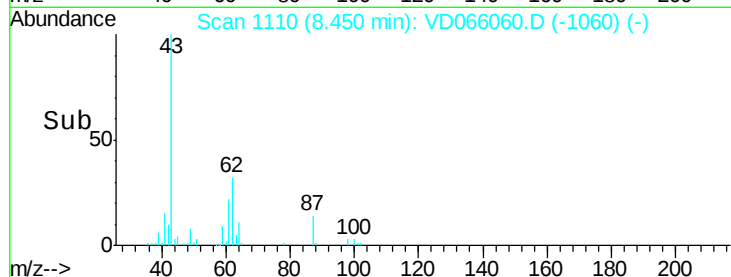
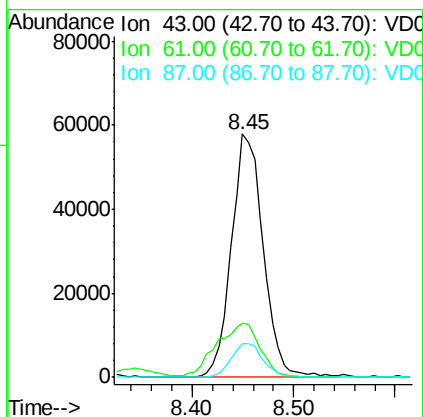
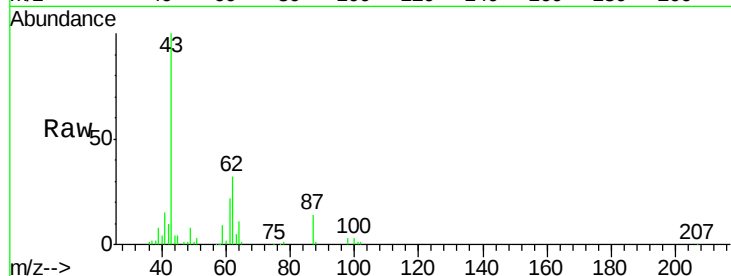
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	126137
Ion Ratio		Lower	Upper
43	100		
61	30.6	25.8	38.8
87	14.2	10.9	16.3

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#44

Trichloroethene

Concen: 49.468 ug/l

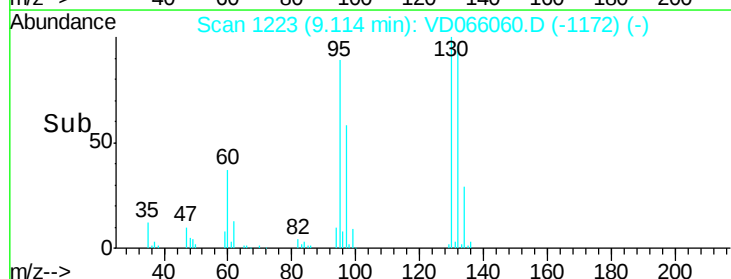
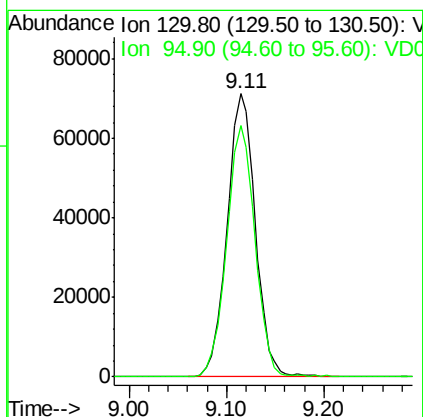
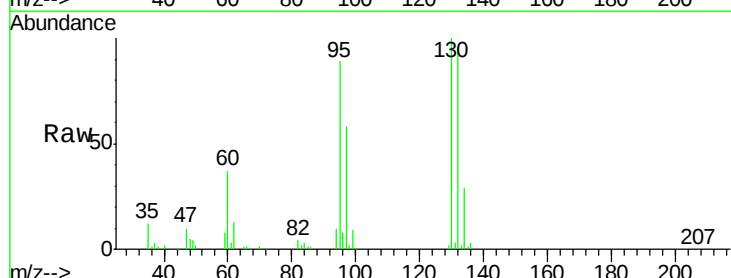
RT: 9.11 min Scan# 1223

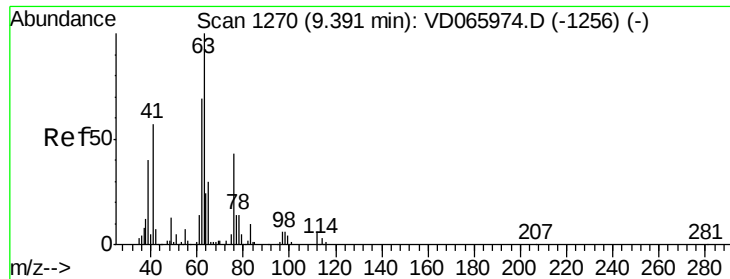
Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Tgt Ion:	130	Resp:	142804
Ion Ratio		Lower	Upper
130	100		
95	88.6	0.0	191.6





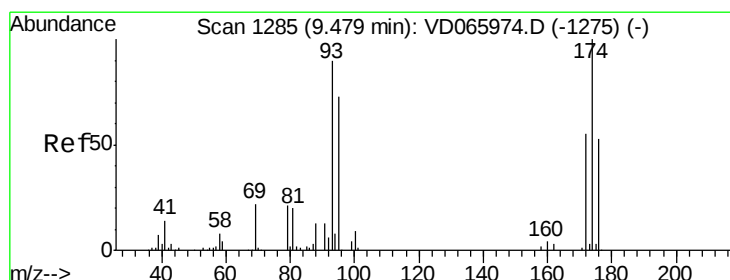
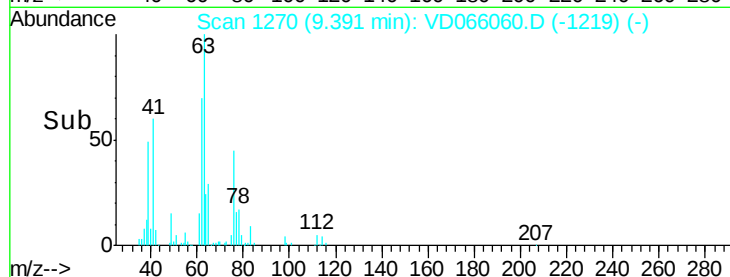
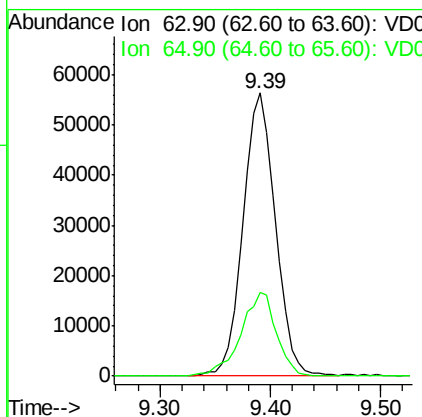
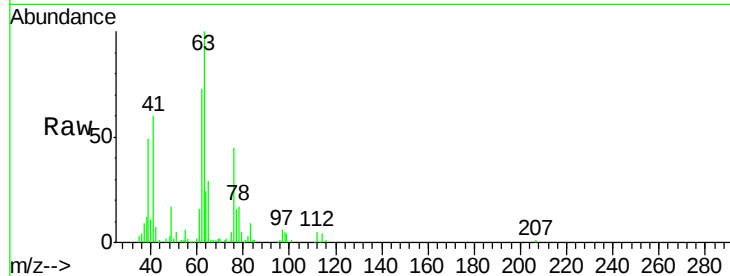
#45
 1,2-Dichloropropane
 Concen: 50.393 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 116428
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.0 36.0

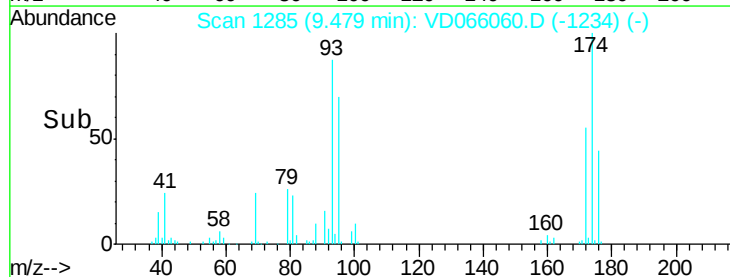
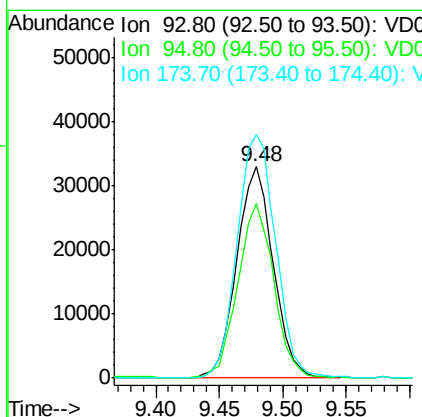
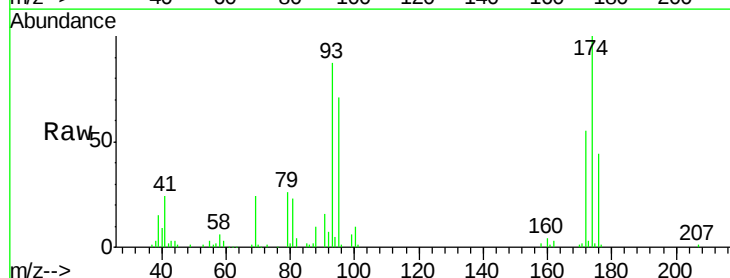
Manual Integrations
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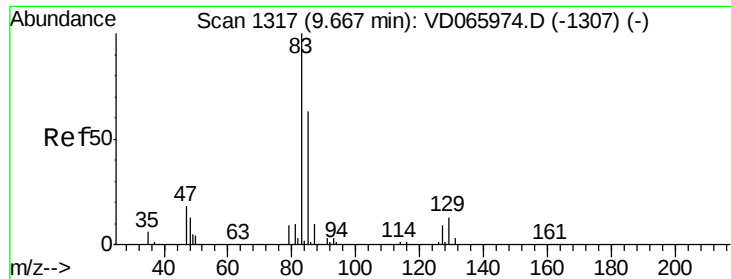
MMDadoda
 7/27/2020 12:03:49 PM



#46
 Dibromomethane
 Concen: 52.980 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion: 93 Resp: 65895
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.2 99.4
 174 121.6 91.5 137.3





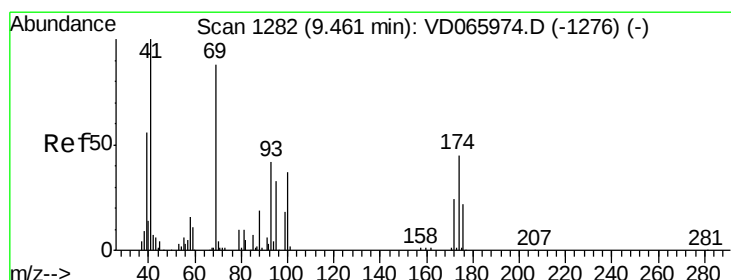
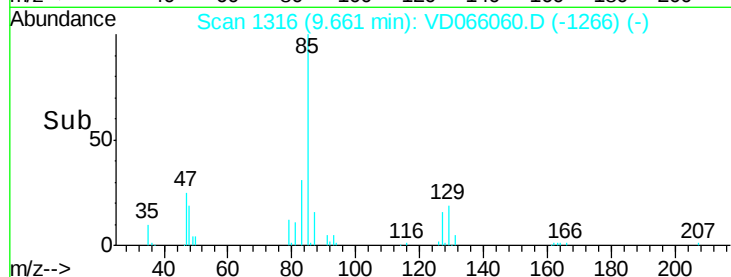
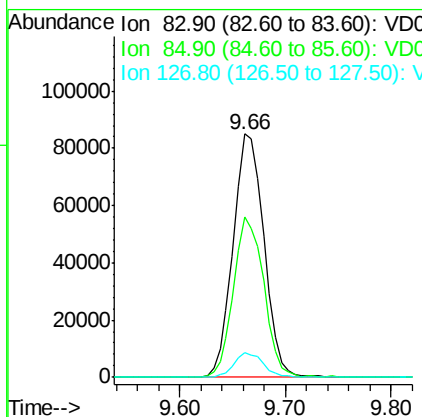
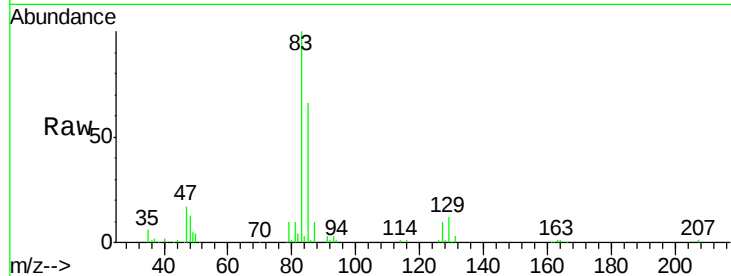
#47
Bromodichloromethane
Concen: 52.418 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.6	75.8
127	10.4	7.1	10.7

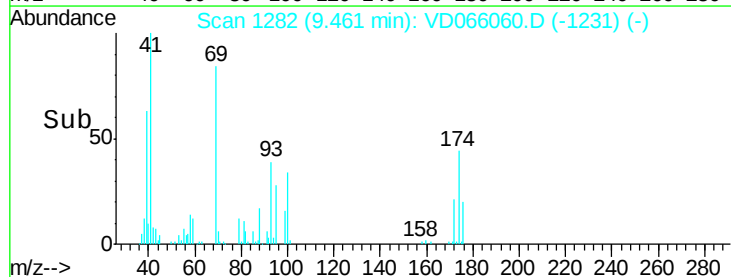
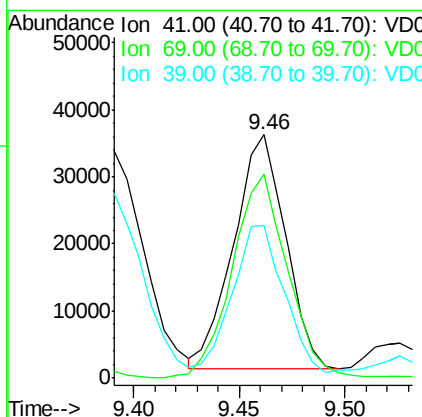
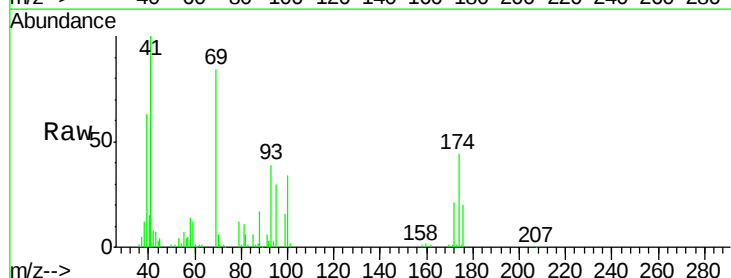
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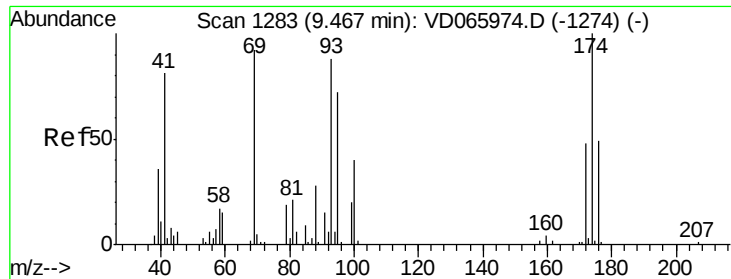
MMDadoda
7/27/2020 12:03:49 PM



#48
Methyl methacrylate
Concen: 46.553 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.7	65.1	97.7
39	61.2	41.5	62.3





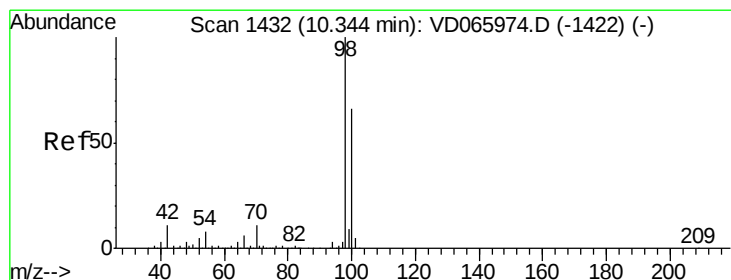
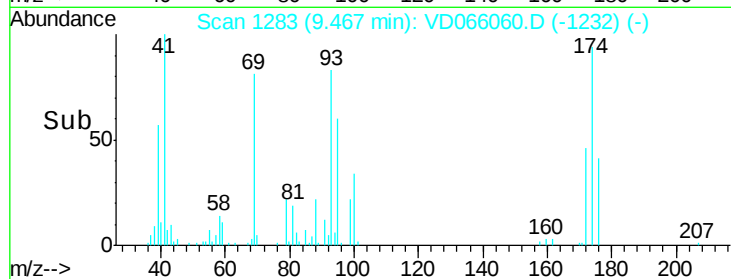
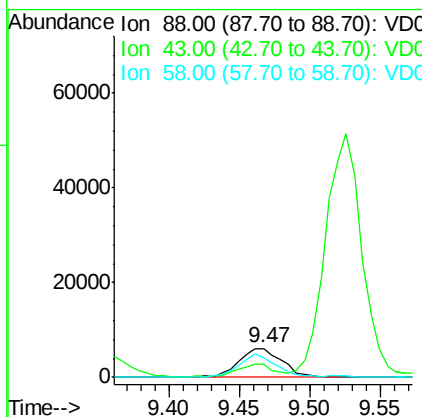
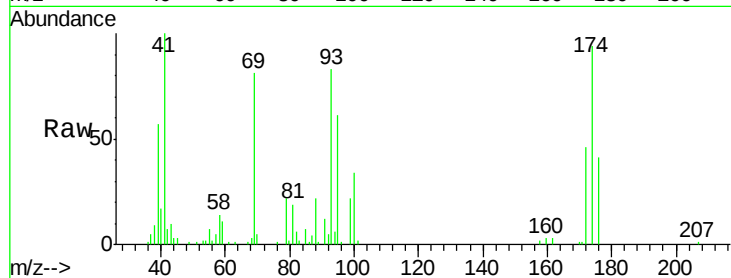
#49
1,4-Dioxane
Concen: 901.407 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.9	29.0	43.6
58	70.4	57.0	85.4

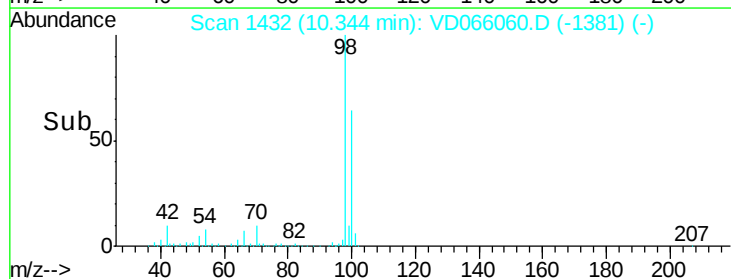
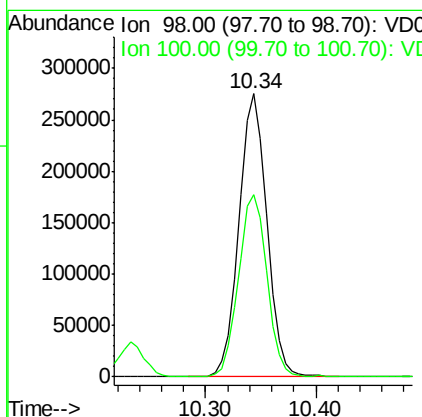
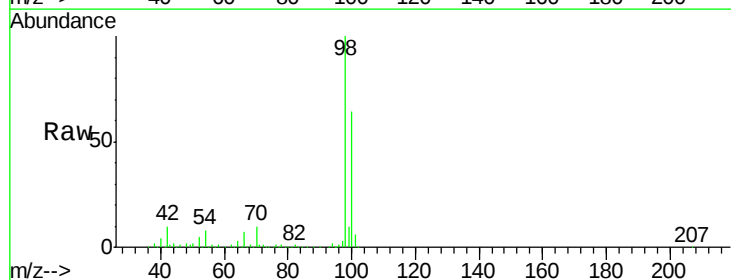
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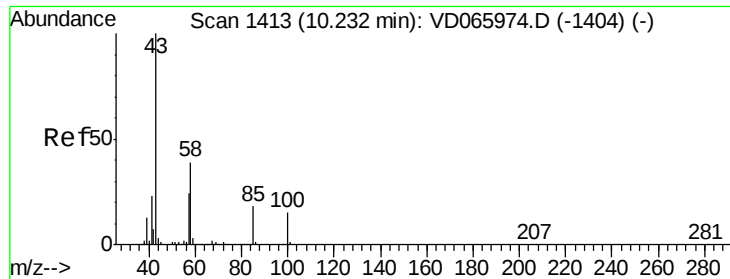
MMDadoda
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#50
Toluene-d8
Concen: 54.419 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





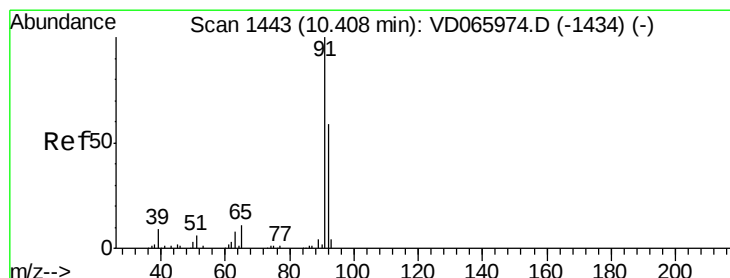
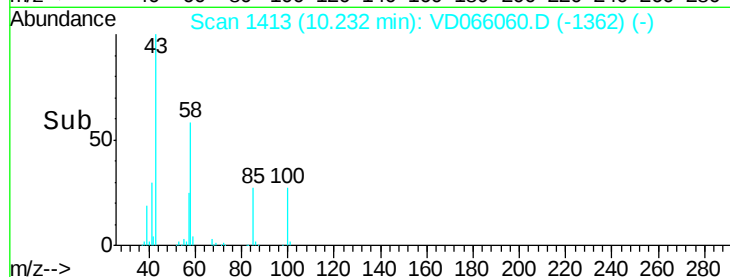
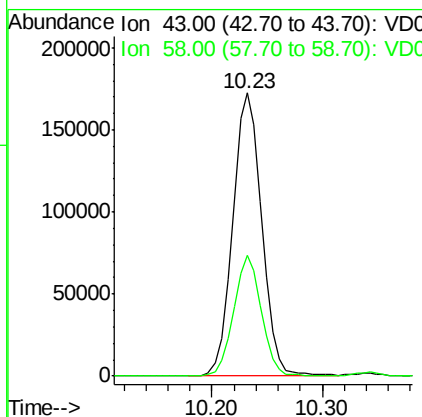
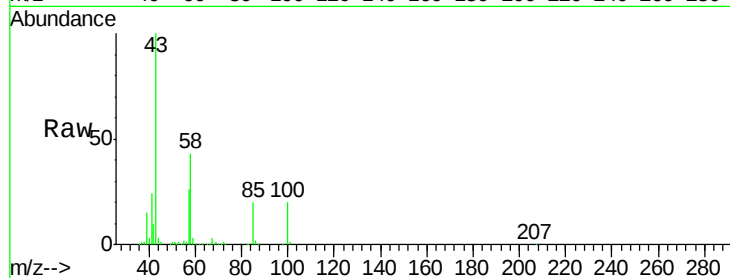
#51
4-Methyl-2-Pentanone
Concen: 247.947 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 317749
Ion Ratio Lower Upper
43 100
58 40.6 31.3 46.9

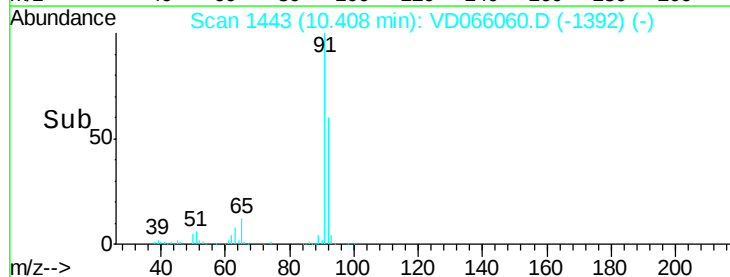
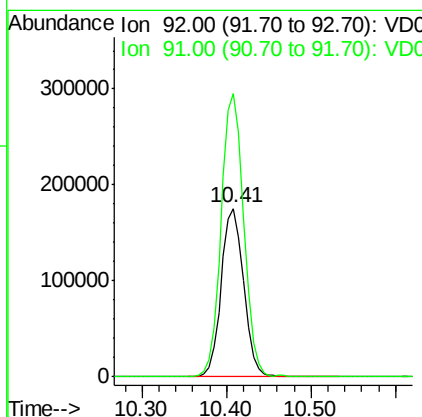
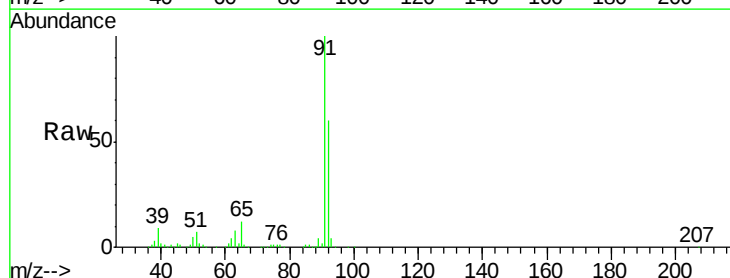
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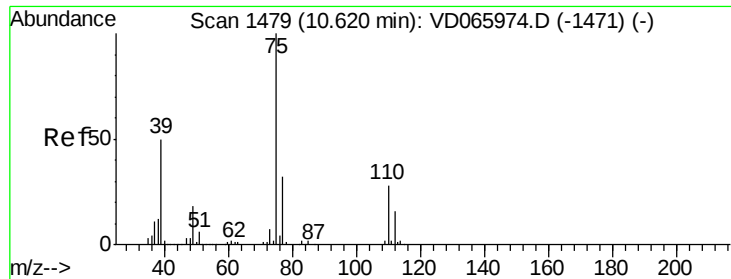
MMDadoda
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#52
Toluene
Concen: 51.857 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion: 92 Resp: 322609
Ion Ratio Lower Upper
92 100
91 169.1 134.5 201.7





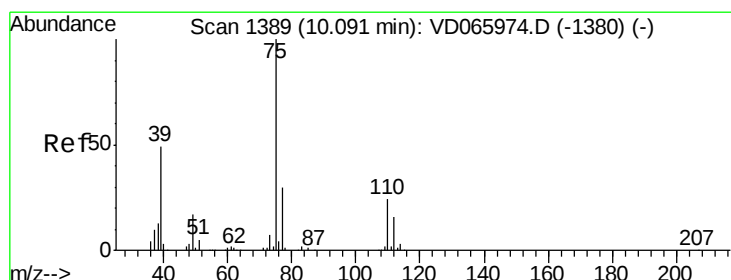
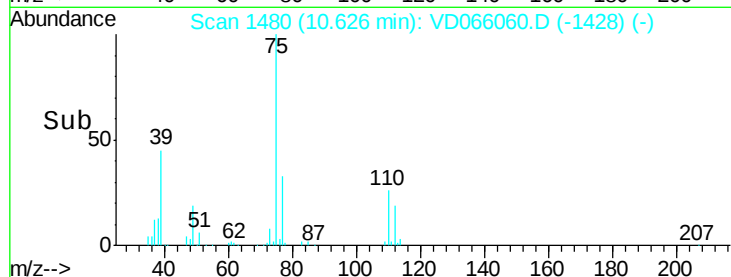
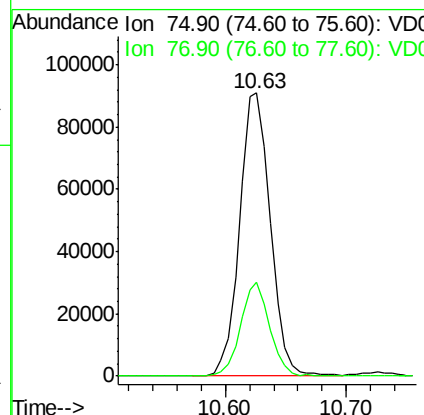
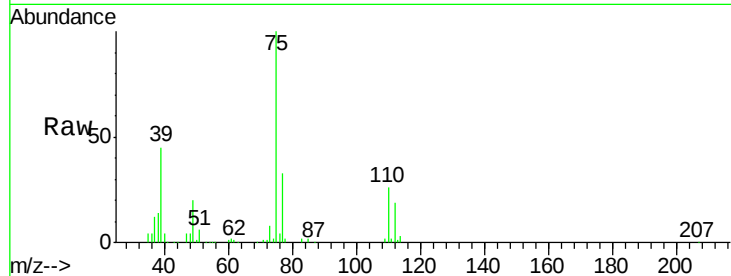
#53
 t-1,3-Dichloropropene
 Concen: 52.668 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 161368
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.8 38.6

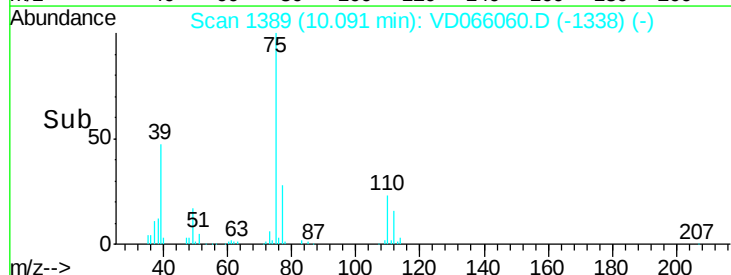
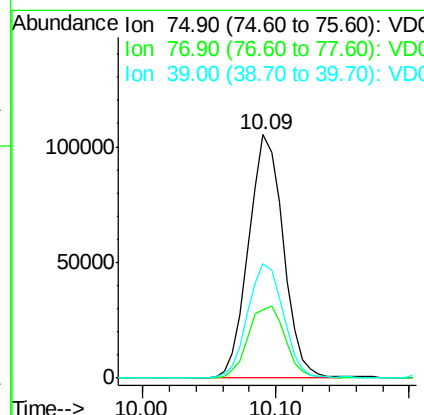
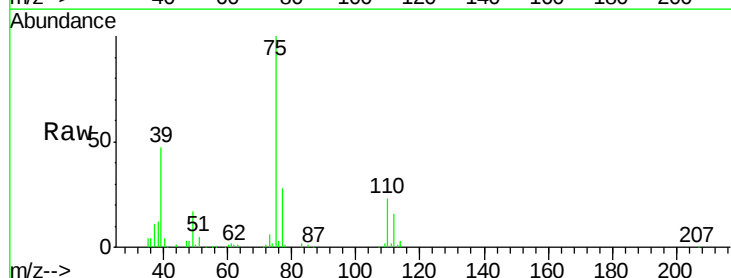
Manual Integrations
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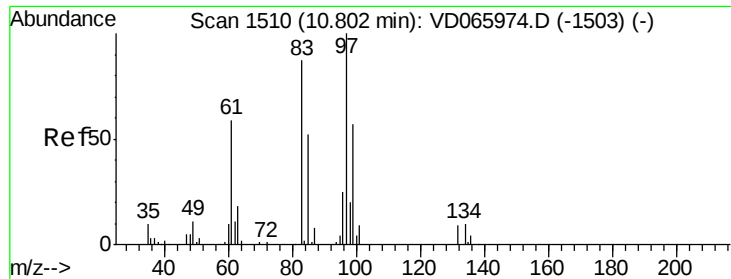
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#54
 cis-1,3-Dichloropropene
 Concen: 50.852 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion: 75 Resp: 188861
 Ion Ratio Lower Upper
 75 100
 77 28.2 23.8 35.8
 39 46.7 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 52.408 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 92446

Ion Ratio Lower Upper

97 100

83 79.9 69.7 104.5

85 47.2 41.6 62.4

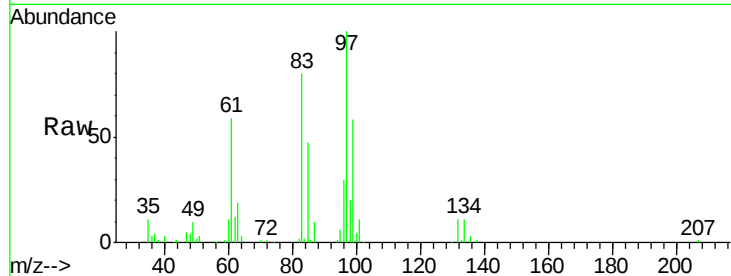
99 57.6 45.9 68.9

Manual Integrations

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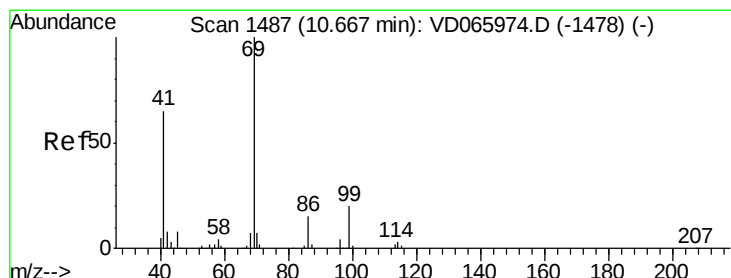
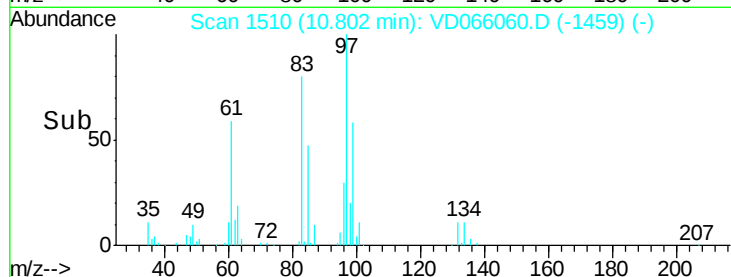
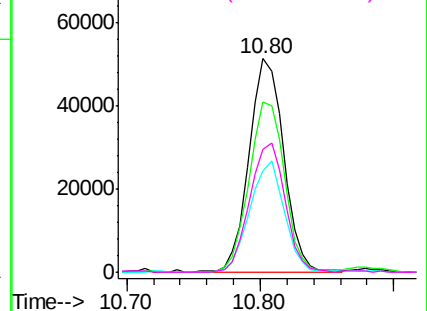


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 54.279 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

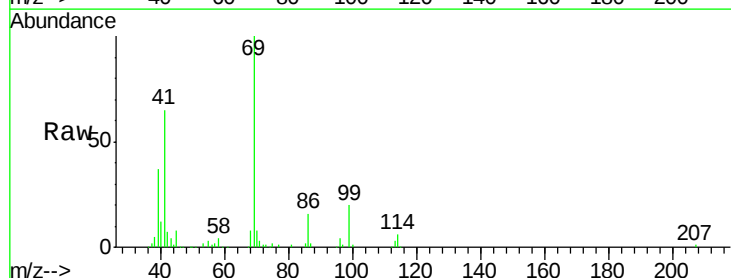
Tgt Ion: 69 Resp: 111320

Ion Ratio Lower Upper

69 100

41 65.4 52.3 78.5

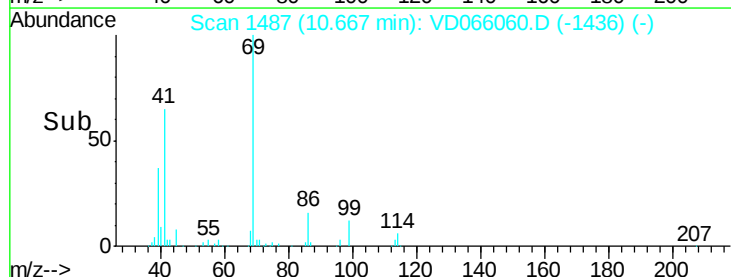
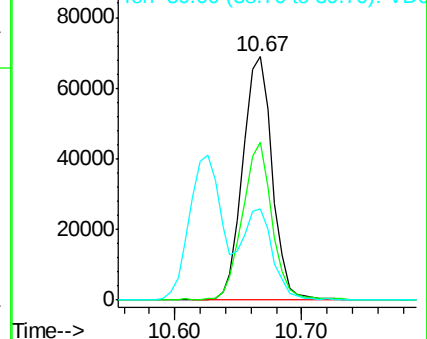
39 35.3 25.2 37.8

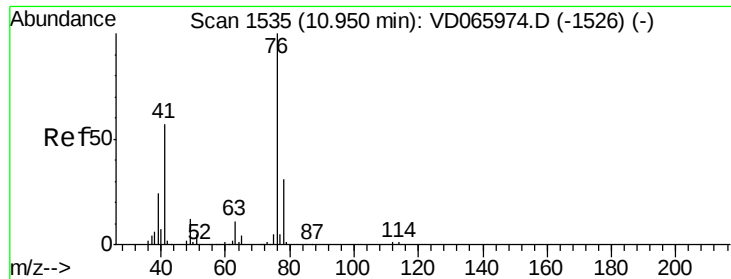


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





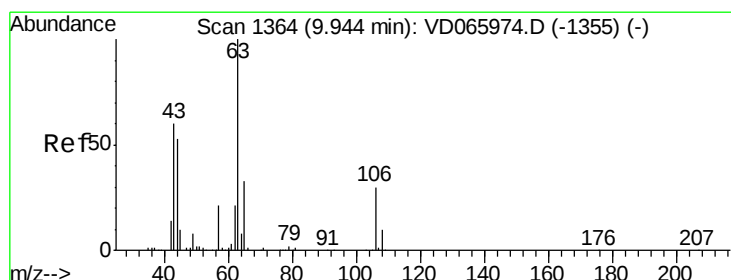
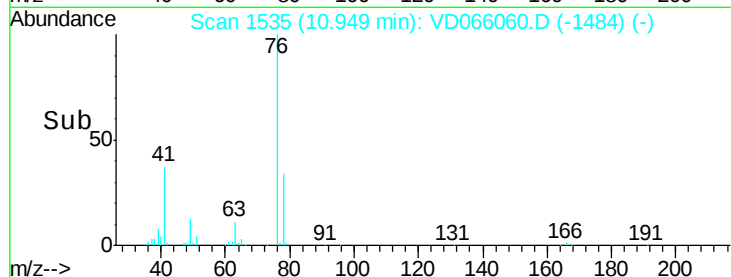
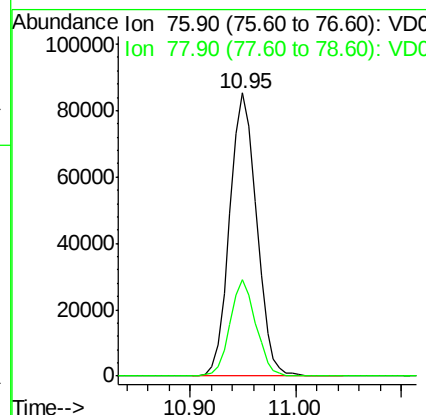
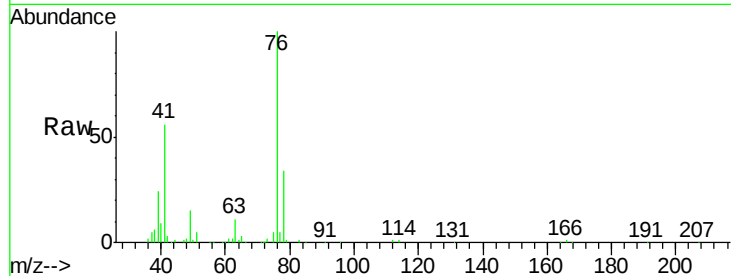
#57
 1,3-Dichloropropane
 Concen: 51.681 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 150916
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

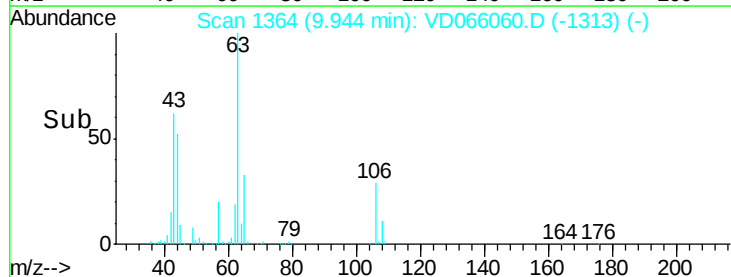
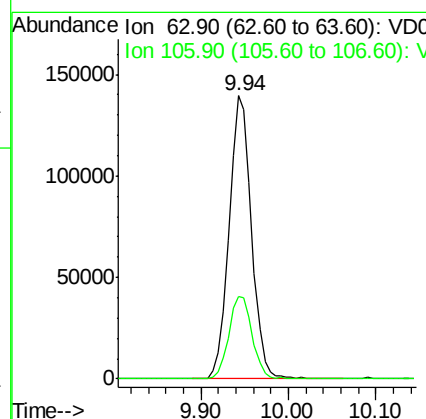
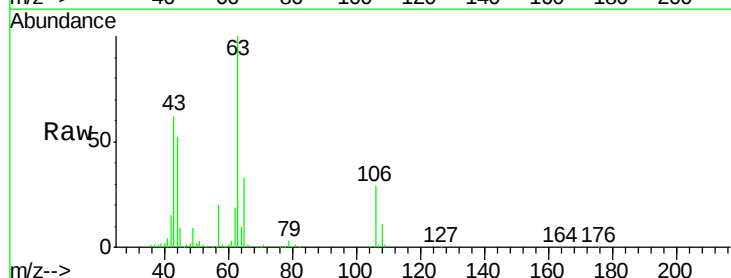
Manual Integrations
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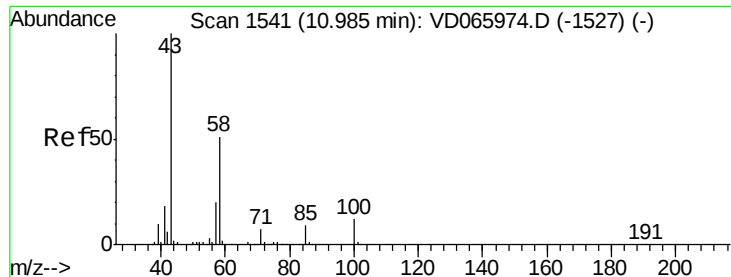
MMDadoda
 7/27/2020 12:03:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.468 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion: 63 Resp: 245388
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.4 36.6





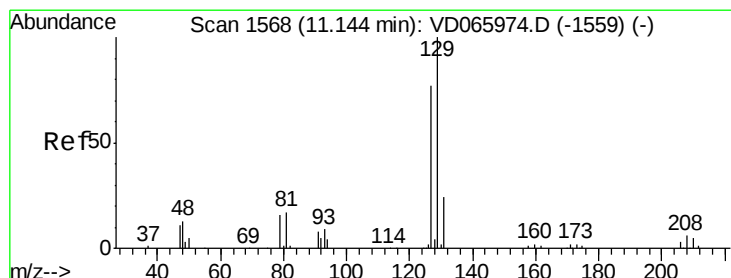
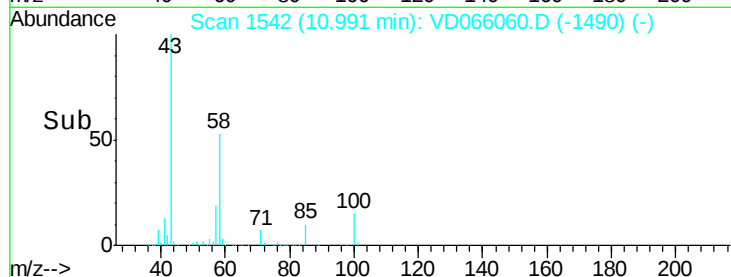
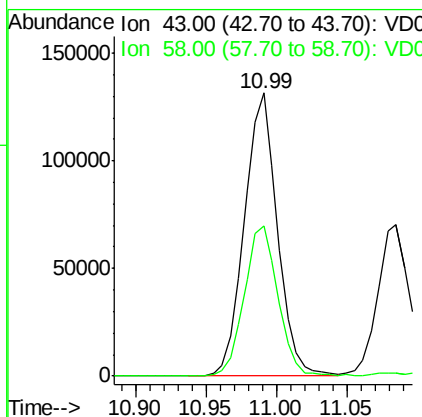
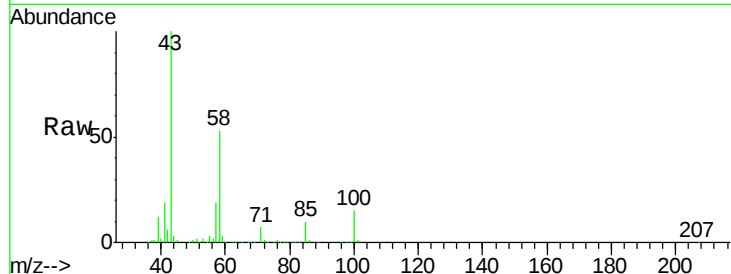
#59
2-Hexanone
Concen: 242.699 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 21535
Ion Ratio Lower Upper
43 100
58 54.3 26.2 78.6

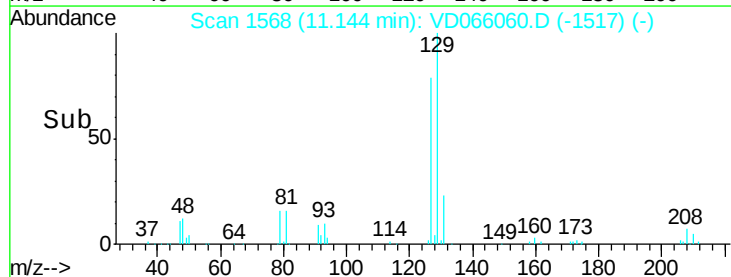
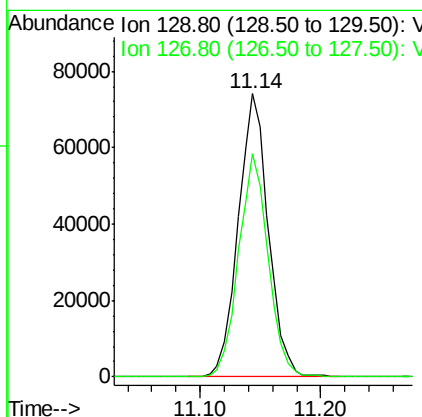
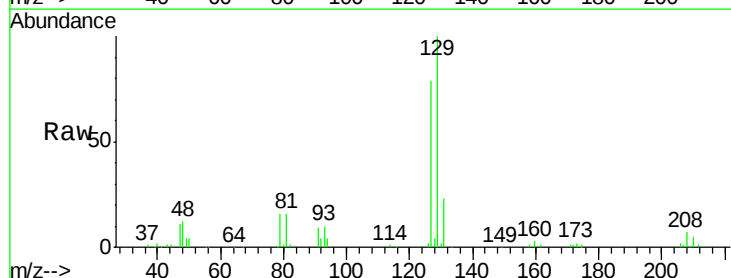
Manual Integrations
APPROVED

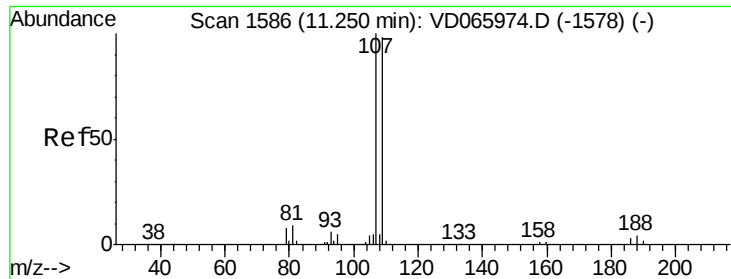
MMDadoda
7/27/2020 12:03:49 PM



#60
Dibromochloromethane
Concen: 53.964 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion: 129 Resp: 128348
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.7





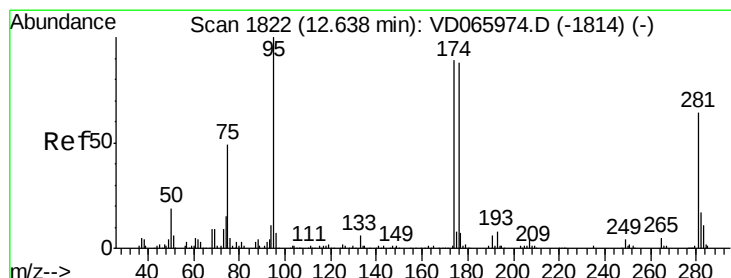
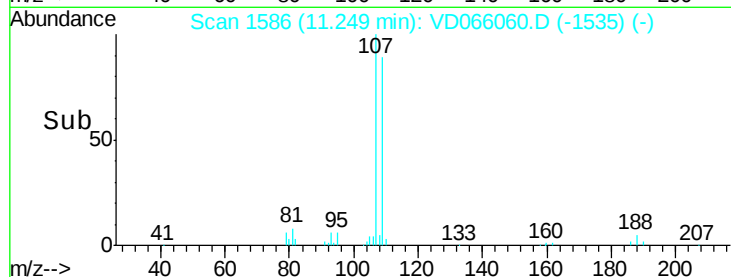
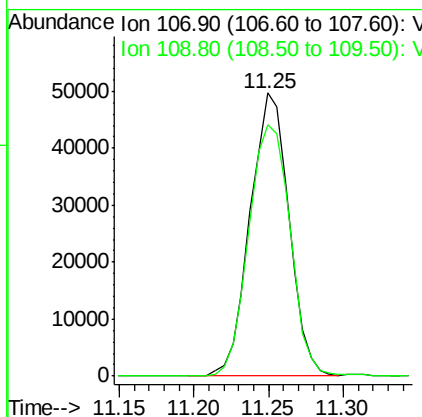
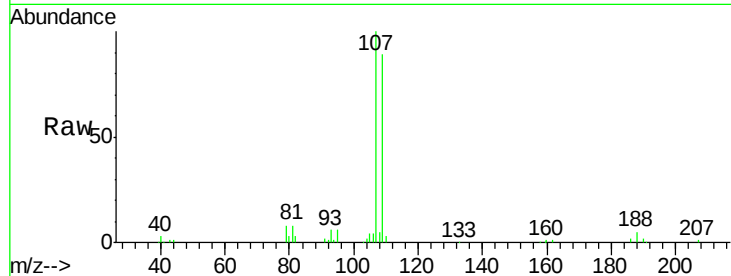
#61
 1,2-Dibromoethane
 Concen: 52.592 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 89448
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.4

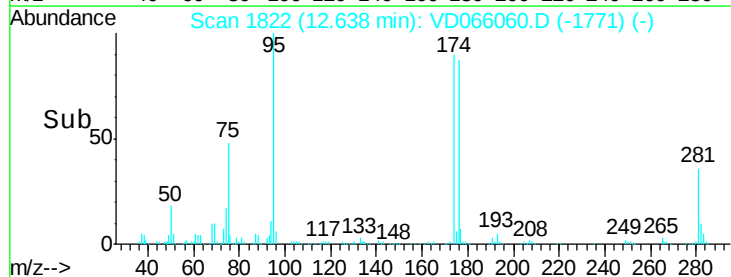
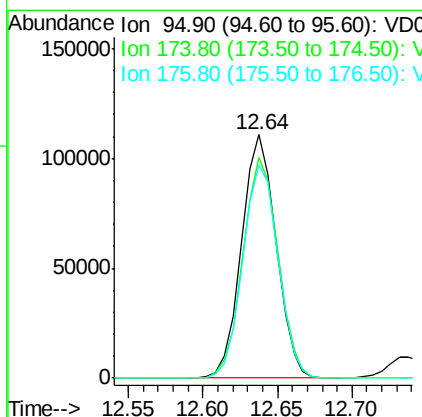
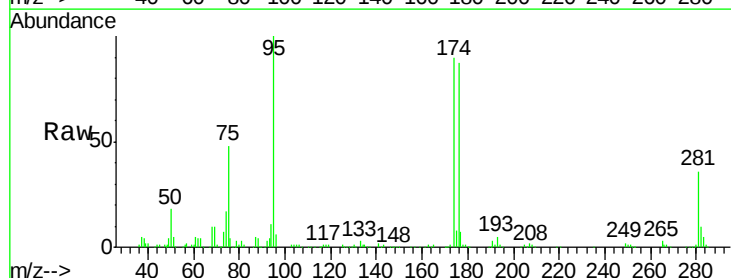
Manual Integrations
 APPROVED

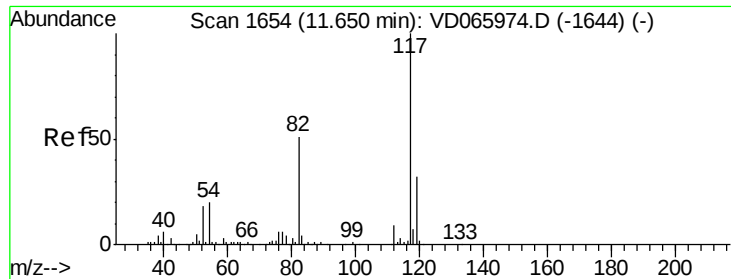
MMDadoda
 7/27/2020 12:03:49 PM



#62
 4-Bromofluorobenzene
 Concen: 56.592 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion: 95 Resp: 177142
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 178.8
 176 89.5 0.0 172.6





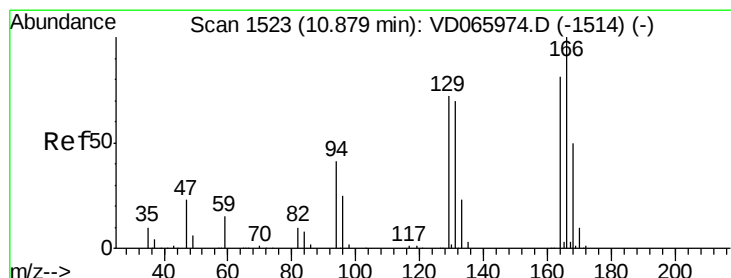
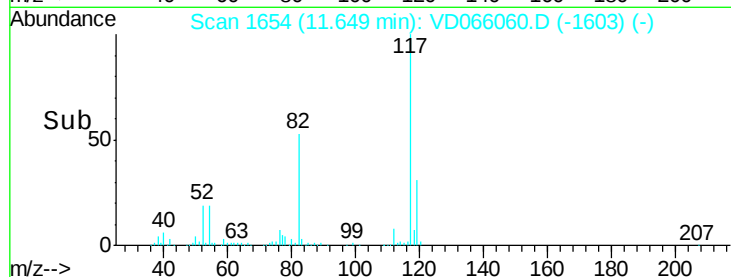
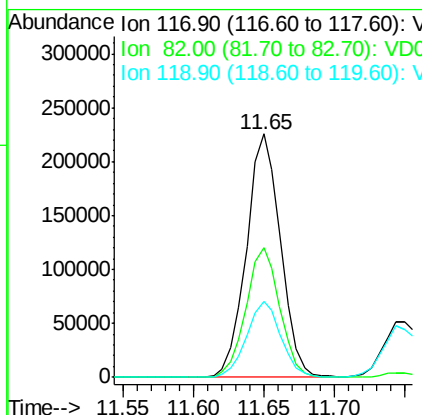
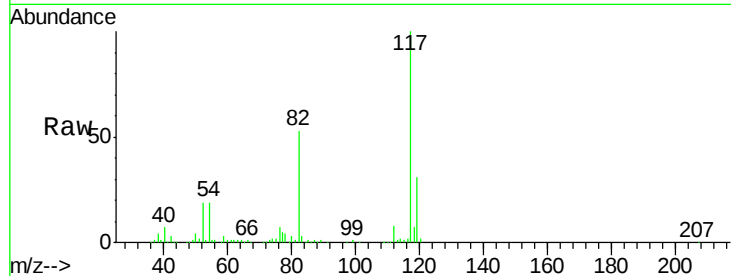
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	382913		
82	53.5		41.1	61.7
119	31.2		25.9	38.9

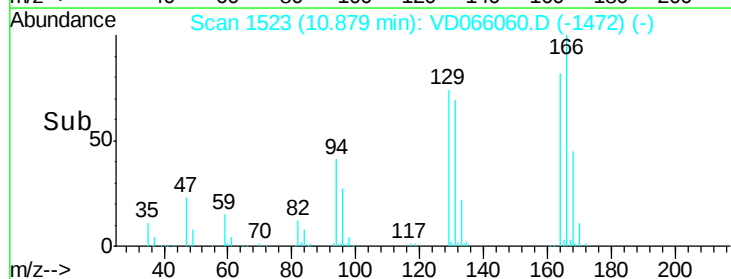
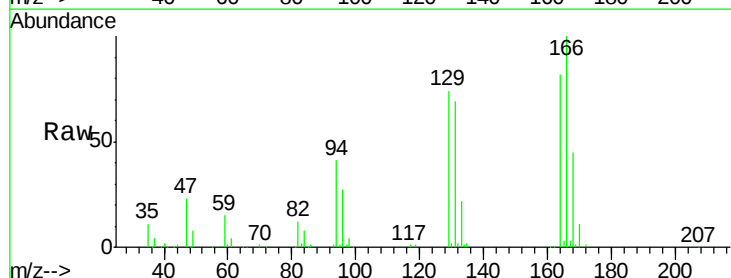
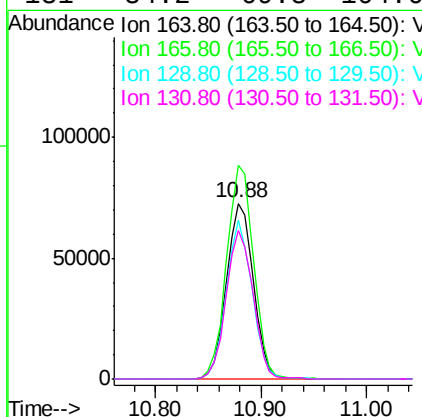
Manual Integrations
APPROVED

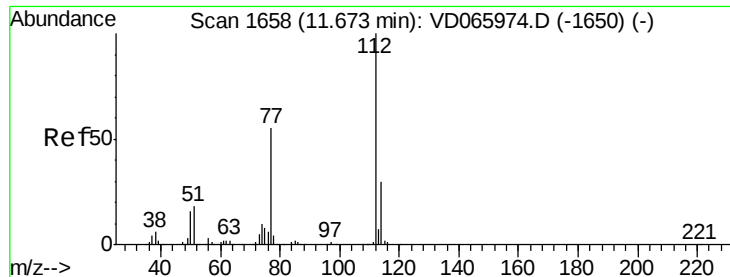
MMDadoda
7/27/2020 12:03:49 PM



#64
Tetrachloroethene
Concen: 48.989 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	127321		
166	121.6		99.1	148.7
129	90.3		71.5	107.3
131	84.2		69.8	104.6





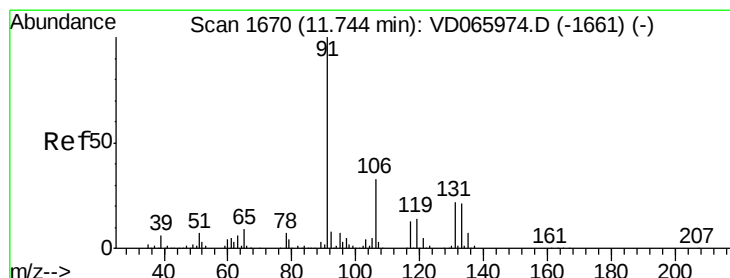
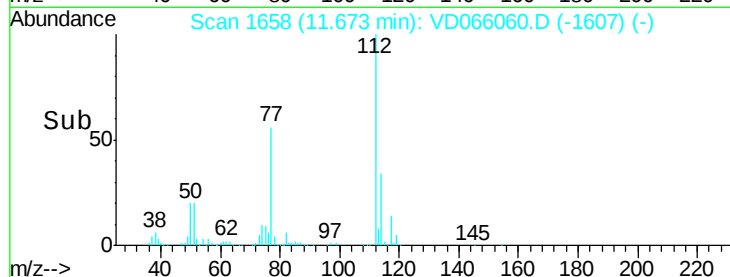
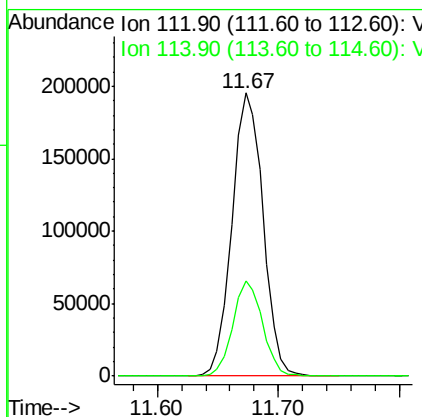
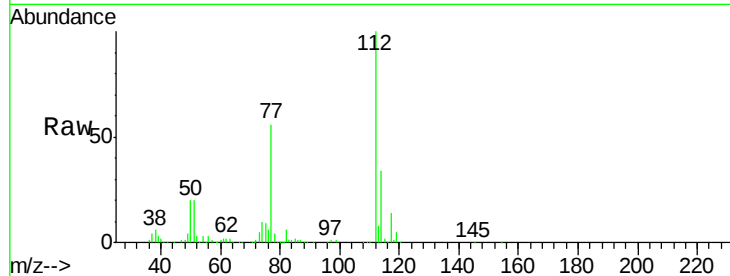
#65
Chlorobenzene
Concen: 49.995 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 350510
Ion Ratio Lower Upper
112 100
114 33.7 24.4 36.6

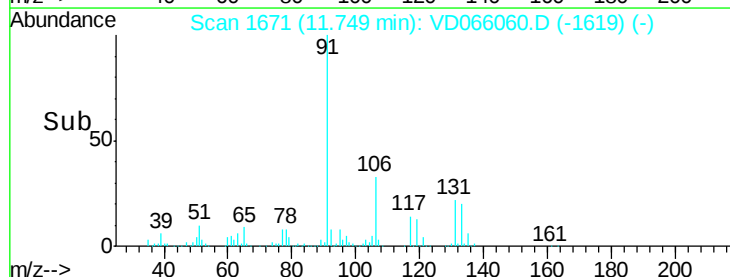
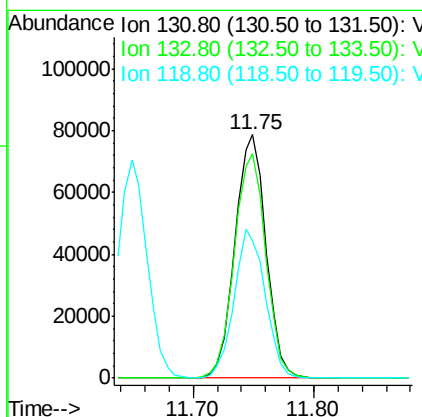
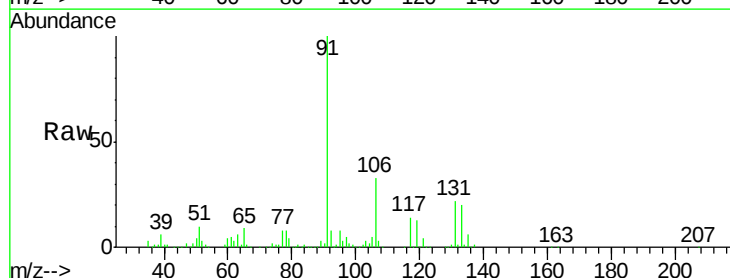
Manual Integrations
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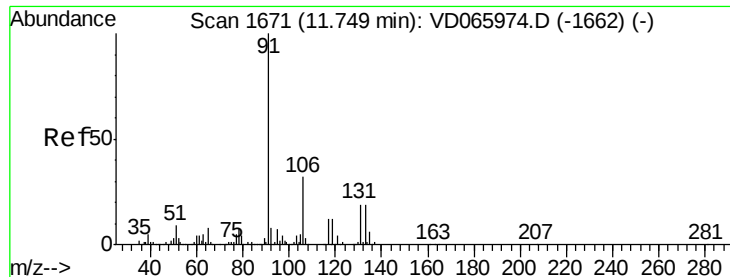
MMDadoda
7/27/2020 12:03:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.525 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion:131 Resp: 141151
Ion Ratio Lower Upper
131 100
133 93.6 47.3 142.0
119 61.4 31.7 95.1





#67

Ethyl Benzene

Concen: 50.104 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 604513

Ion Ratio Lower Upper

91 100

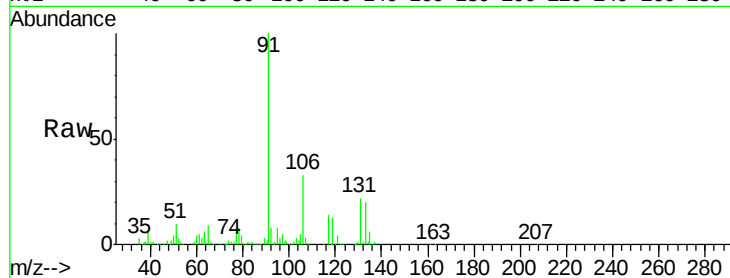
106 33.0 25.7 38.5

Manual Integrations

APPROVED

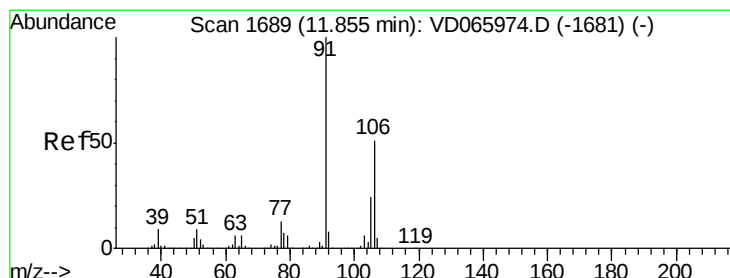
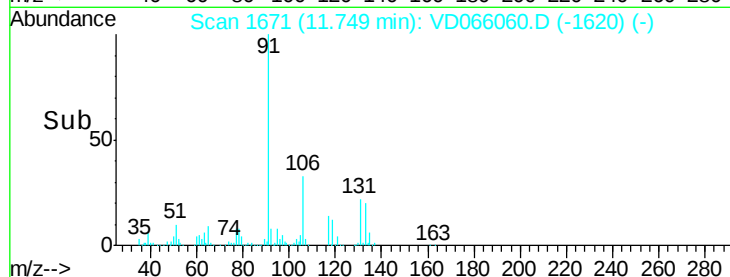
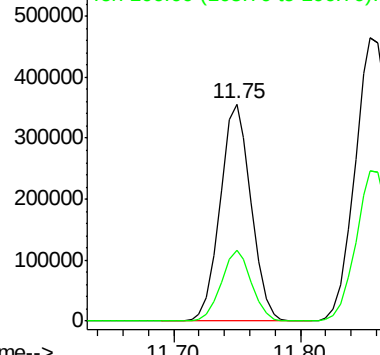
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.438 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066060.D

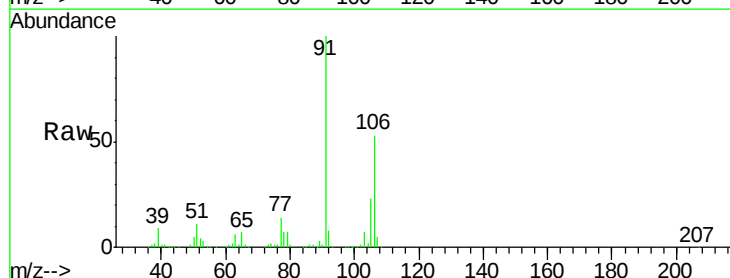
Acq: 24 Jul 2020 21:08

Tgt Ion: 106 Resp: 475045

Ion Ratio Lower Upper

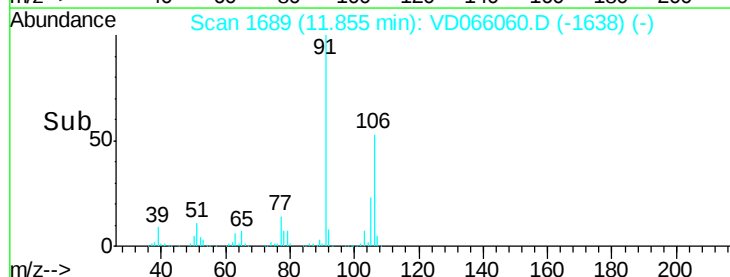
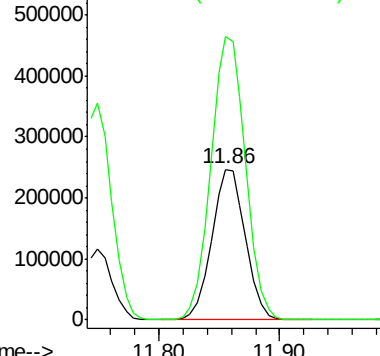
106 100

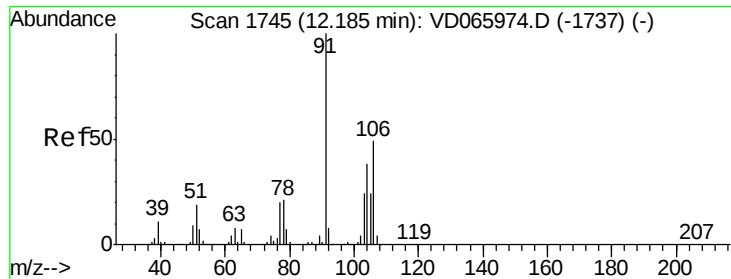
91 194.2 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VD0





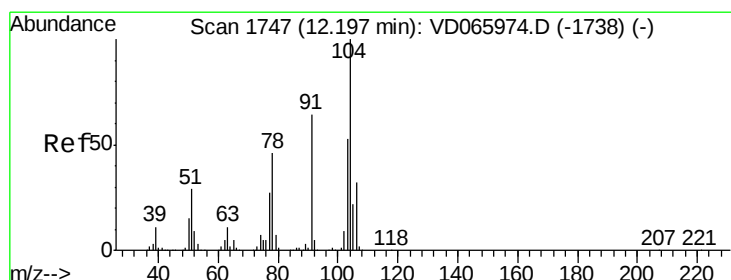
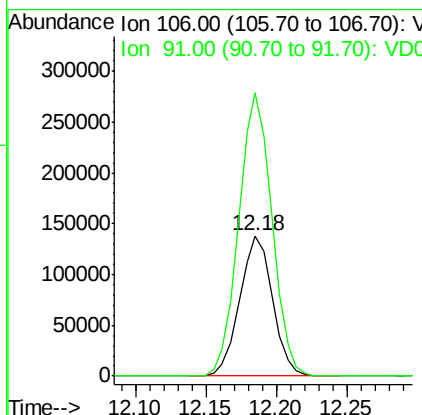
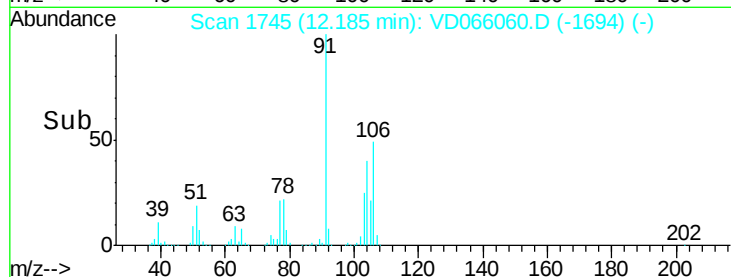
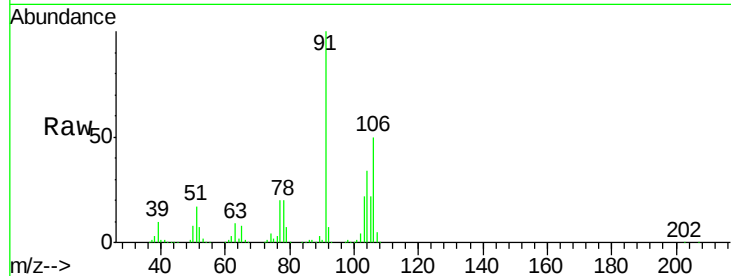
#69
o-Xylene
Concen: 53.040 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		223714		
91	204.9	103.1	309.3		

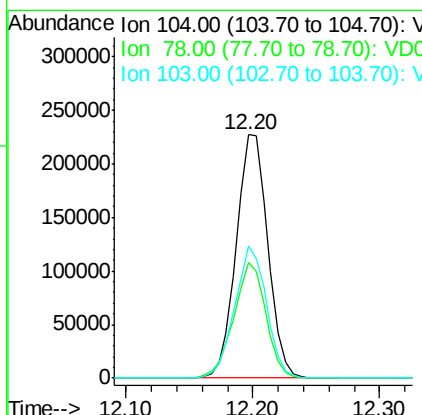
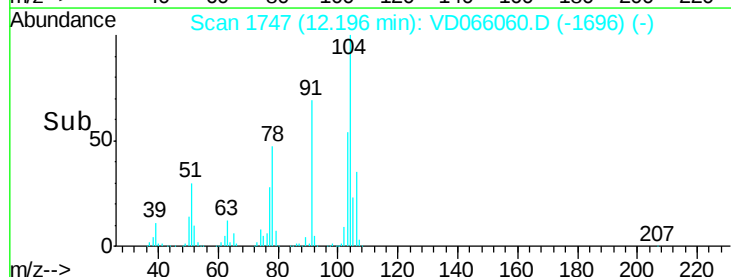
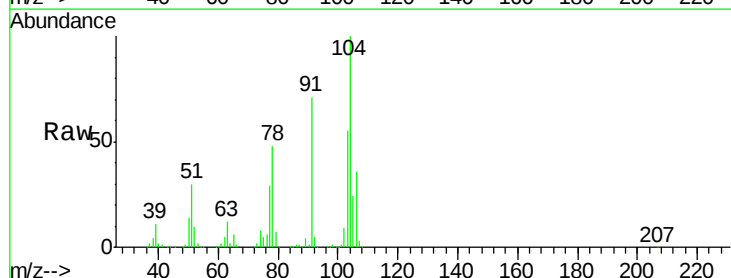
Manual Integrations
APPROVED

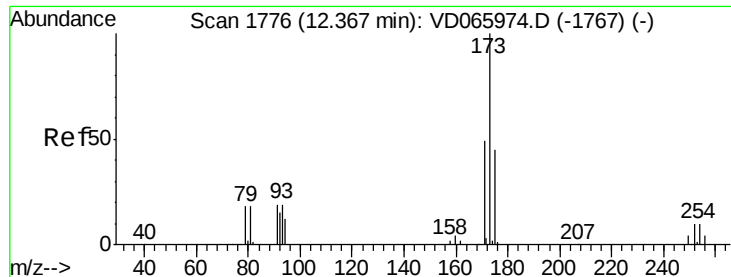
MMDadoda
7/27/2020 12:03:49 PM



#70
Styrene
Concen: 54.041 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		391631		
78	48.4	38.3	57.5		
103	54.5	43.8	65.8		





#71

Bromoform

Concen: 53.262 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 80765

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.3

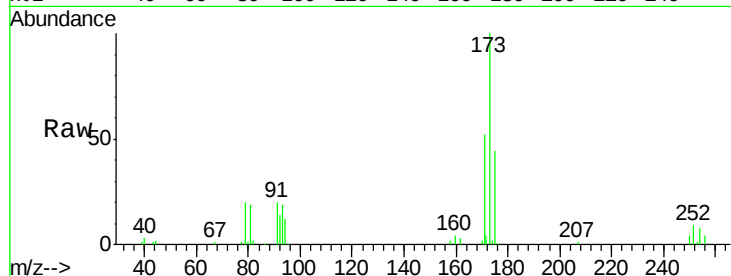
254 0.0 0.0 0.0

Manual Integrations

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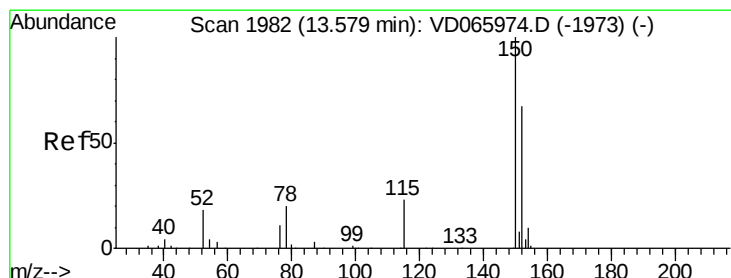
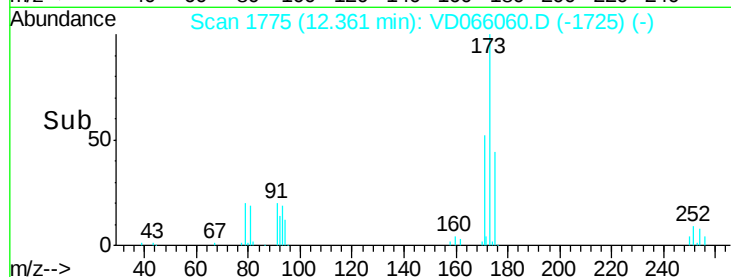
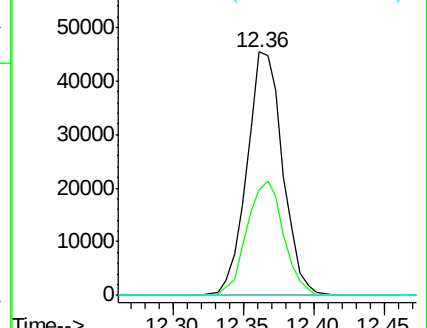
7/27/2020 12:03:49 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

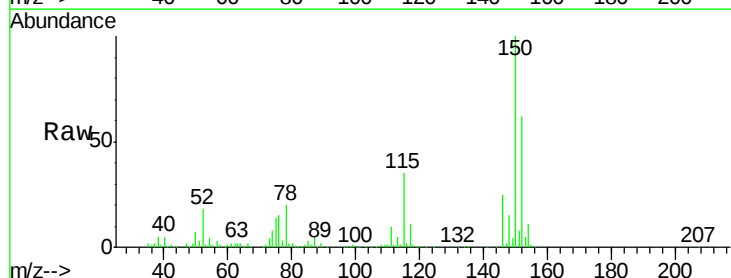
Tgt Ion:152 Resp: 205110

Ion Ratio Lower Upper

152 100

115 54.9 27.9 83.7

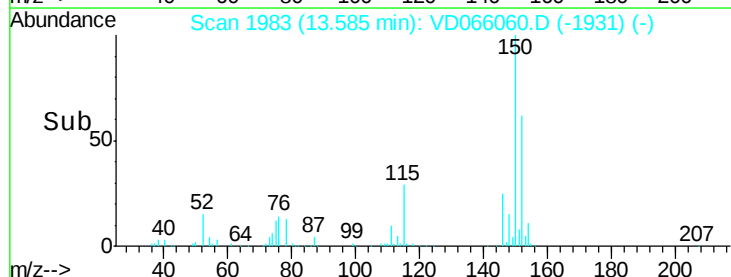
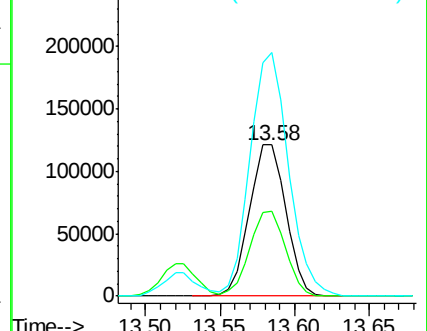
150 169.3 0.0 348.2

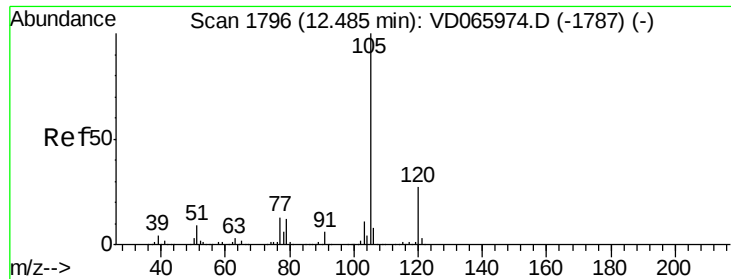


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





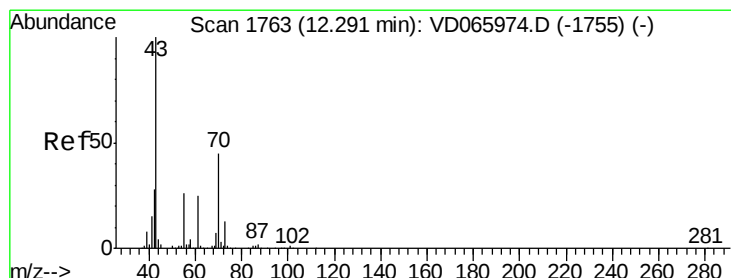
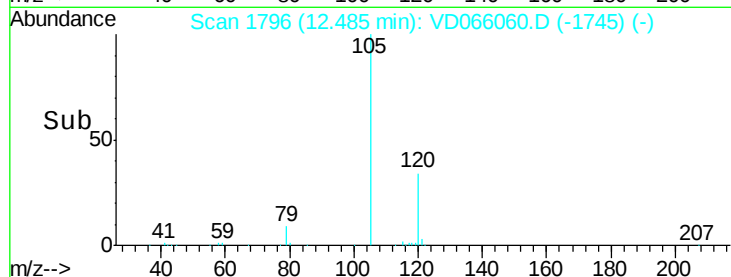
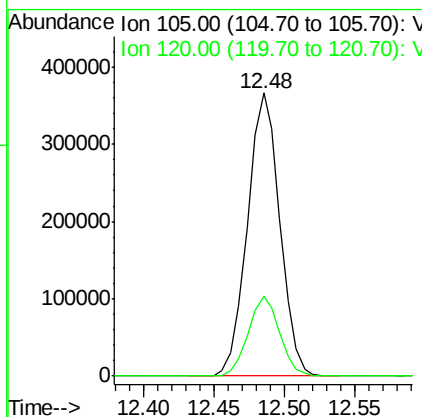
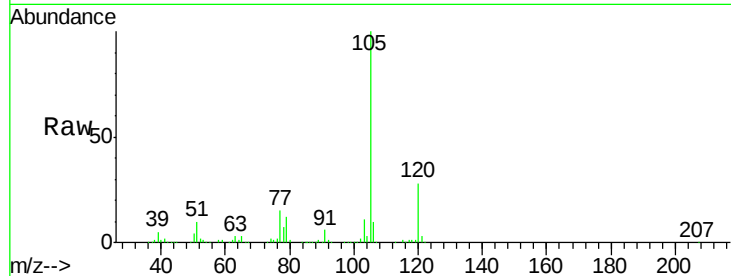
#73
Isopropylbenzene
Concen: 47.452 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.8

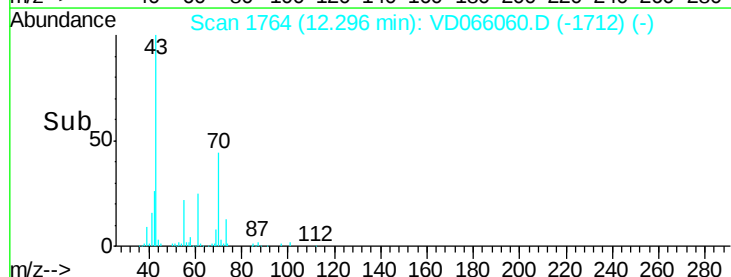
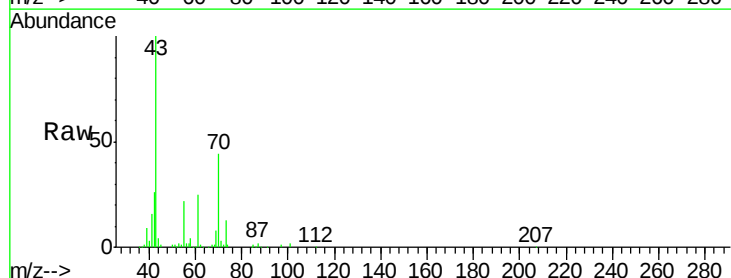
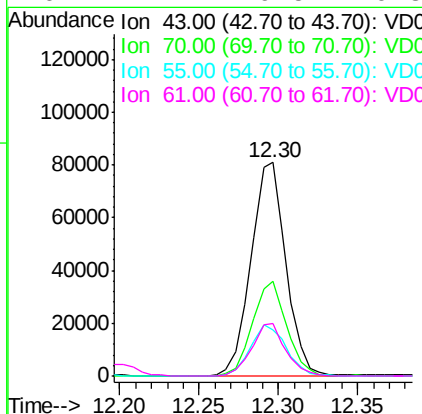
Manual Integrations
APPROVED

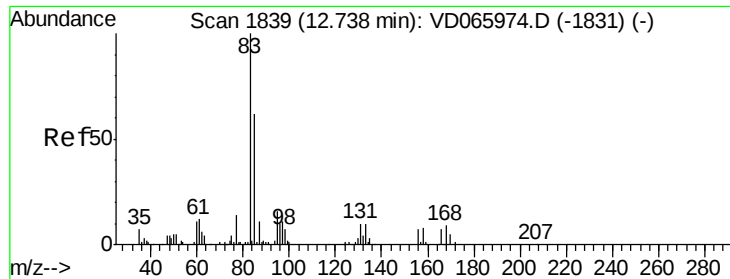
MMDadoda
7/27/2020 12:03:49 PM



#74
N-ethyl acetate
Concen: 48.280 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.6	51.8
55	24.7	20.3	30.5
61	24.1	19.5	29.3





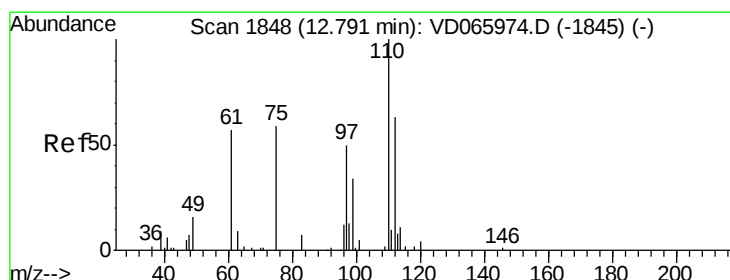
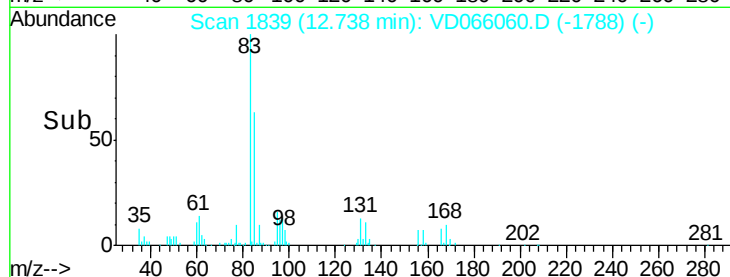
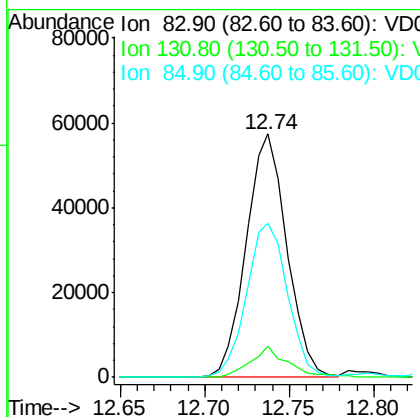
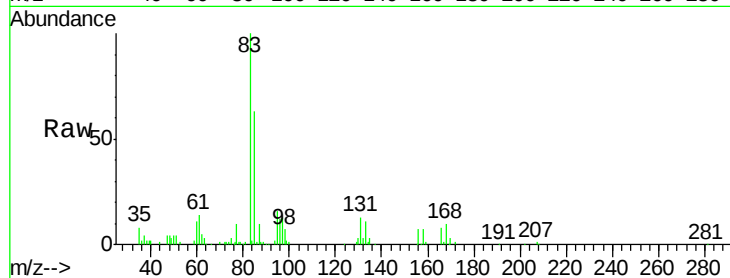
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.959 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	96318
Ion Ratio	100	Lower	Upper
83	100		
131	11.7	5.7	17.1
85	63.9	31.9	95.5

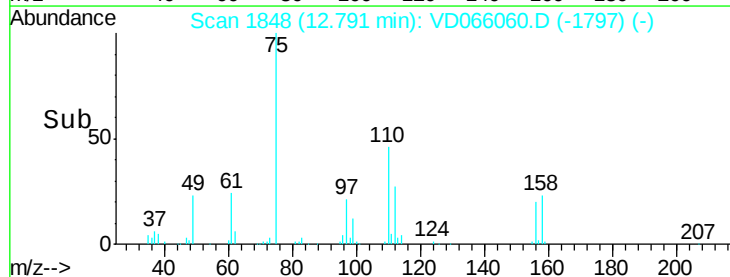
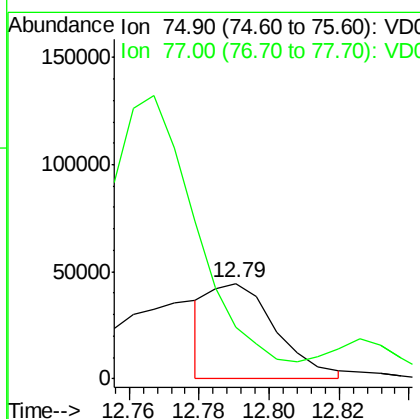
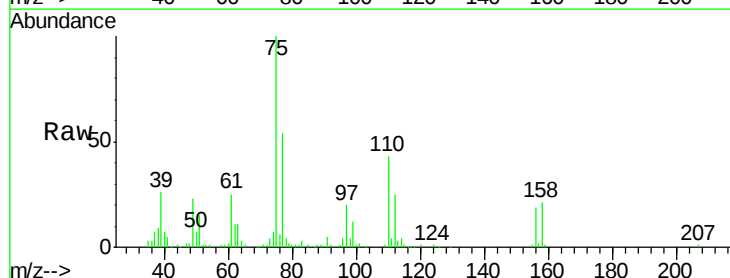
Manual Integrations
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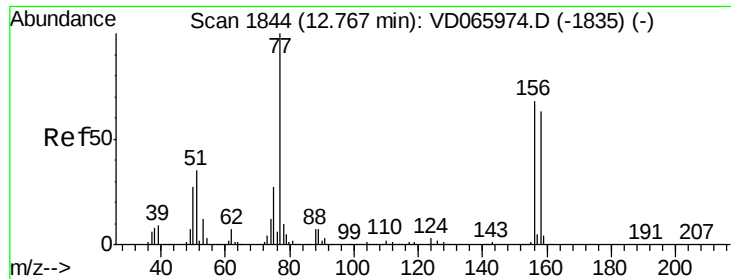
MMDadoda
 7/27/2020 12:03:49 PM



#76
 1,2,3-Trichloropropane
 Concen: 38.362 ug/l m
 RT: 12.79 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion	75	Resp	59245
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





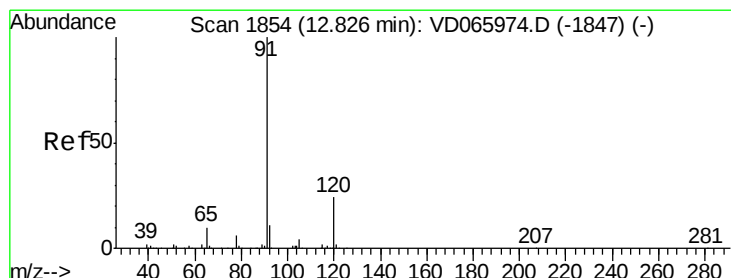
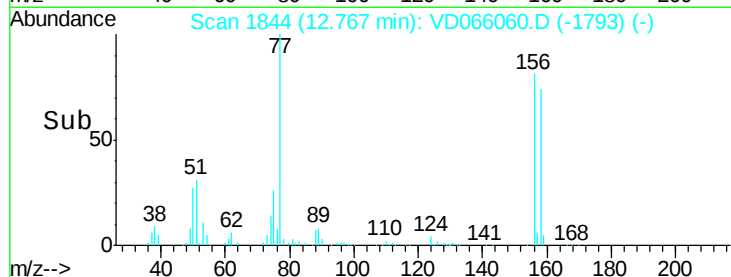
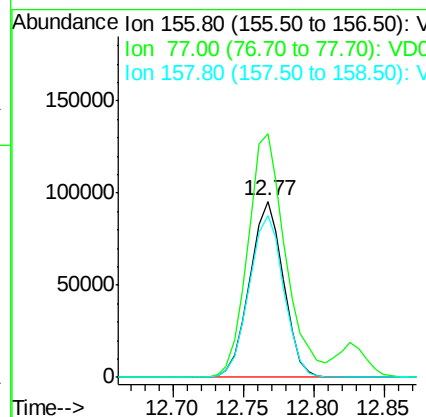
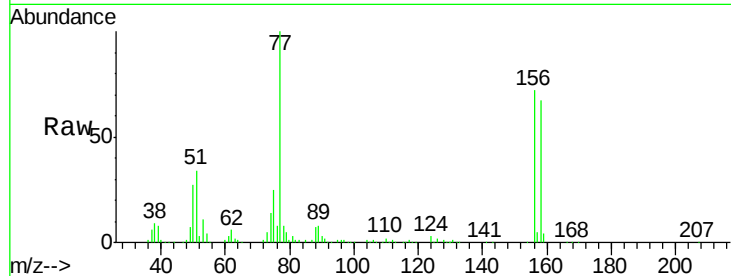
#77
Bromobenzene
Concen: 50.564 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.6	83.0	249.0	
158	94.6	48.2	144.6	

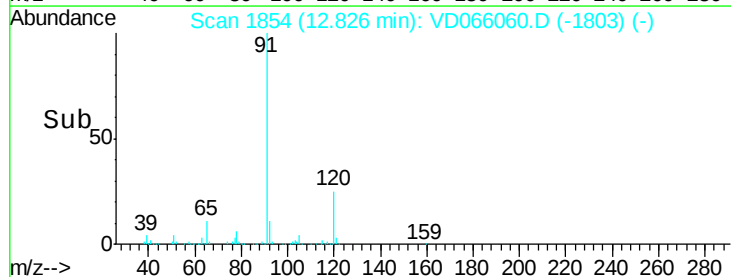
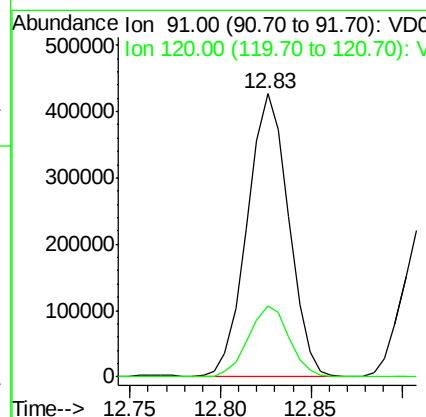
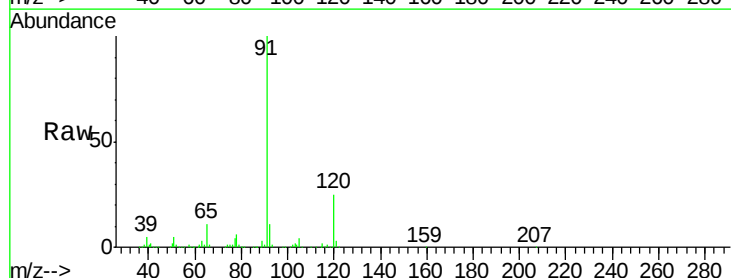
Manual Integrations
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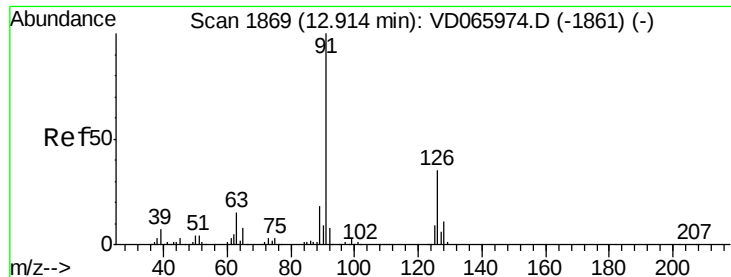
MMDadoda
7/27/2020 12:03:49 PM



#78
n-propylbenzene
Concen: 47.045 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.7	12.0	36.0	





#79

2-Chlorotoluene

Concen: 48.905 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 402386

Ion Ratio Lower Upper

91 100

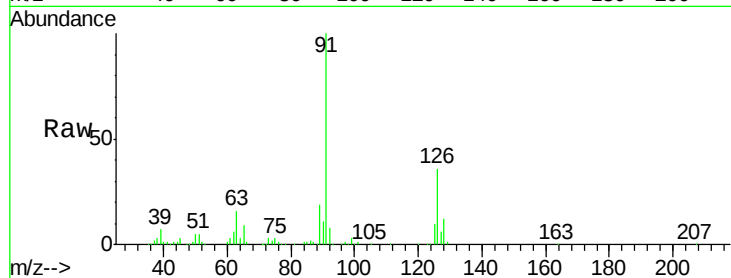
126 35.7 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD065974.D (-1861) (-)

500000

400000

300000

200000

100000

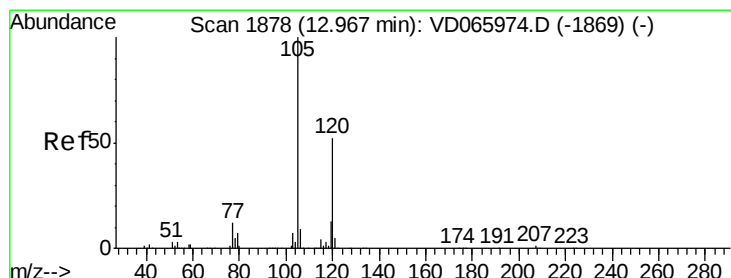
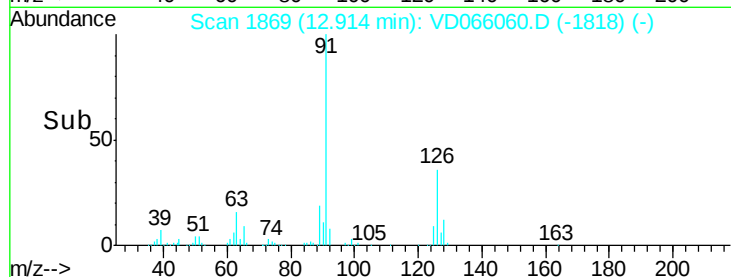
0

12.85

12.90

12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.107 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD066060.D

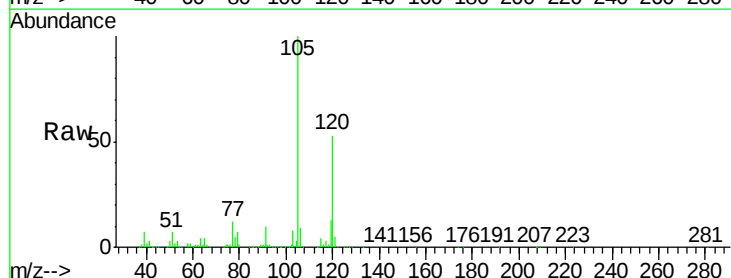
Acq: 24 Jul 2020 21:08

Tgt Ion: 105 Resp: 500731

Ion Ratio Lower Upper

105 100

120 52.5 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065974.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065974.D (-1869) (-)

300000

200000

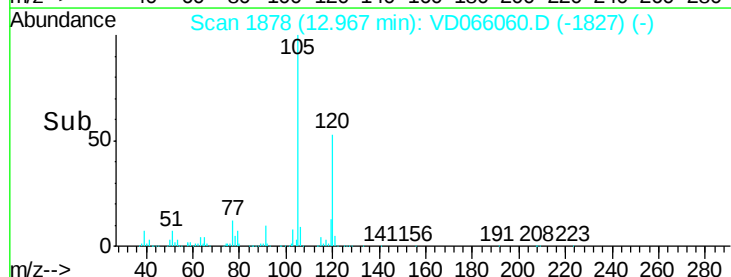
100000

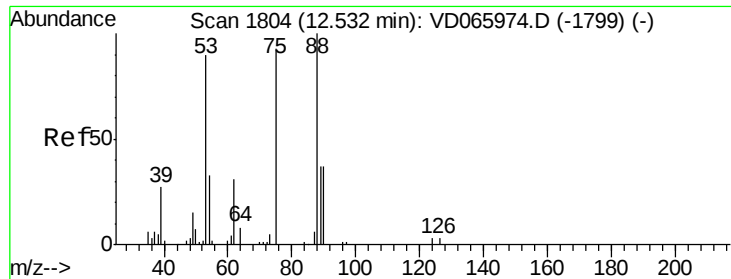
0

12.90

13.00

Time-->





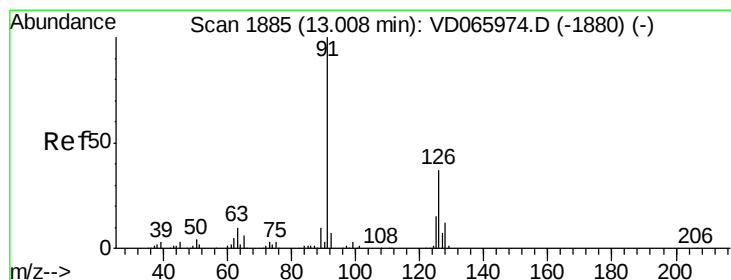
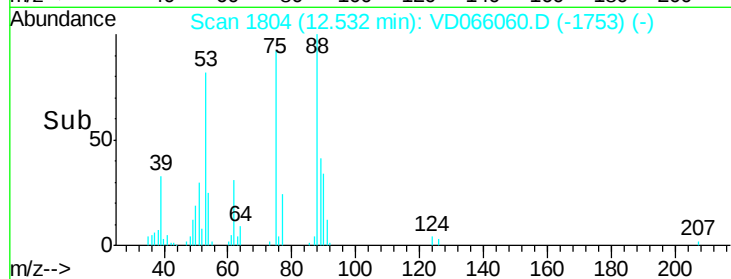
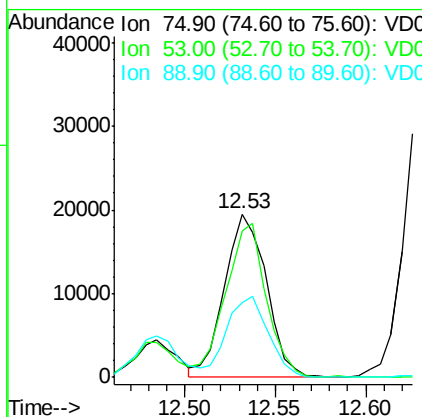
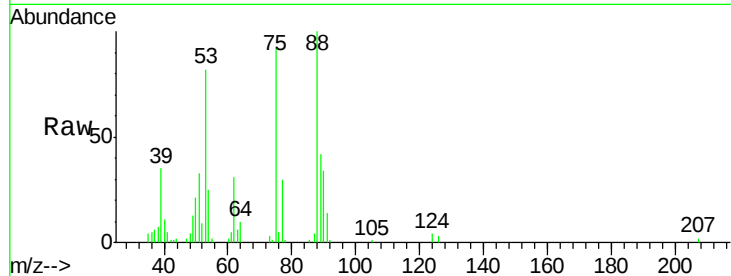
#81
trans-1,4-Dichloro-2-butene
Concen: 46.659 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.4	76.8	115.2
89	49.1	37.0	55.4

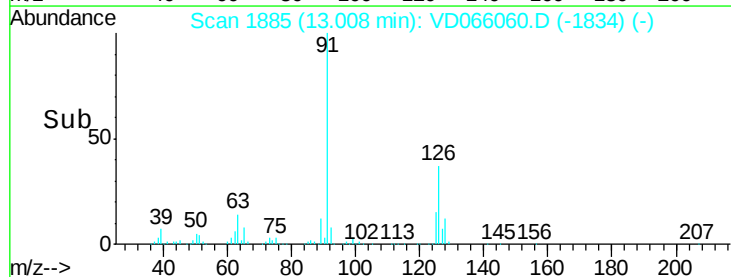
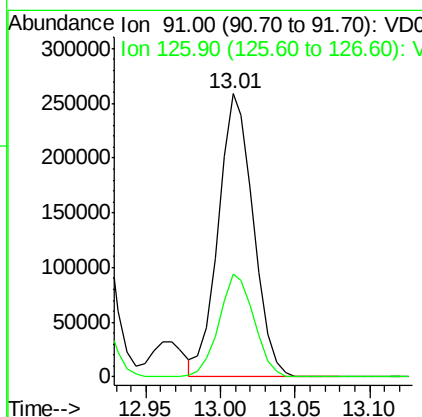
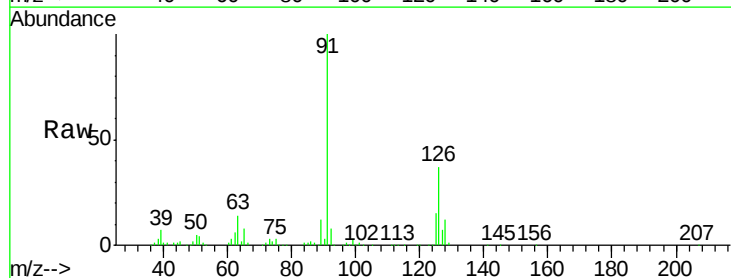
Manual Integrations
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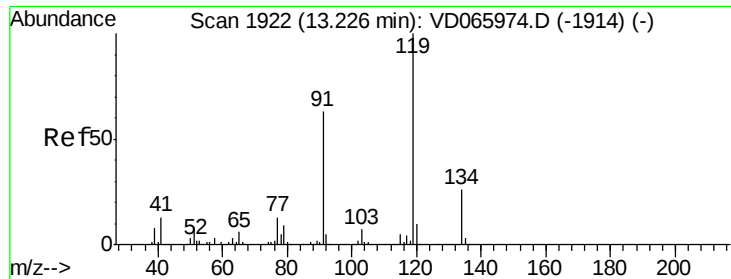
MMDadoda
7/27/2020 12:03:49 PM



#82
4-Chlorotoluene
Concen: 48.701 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.8	53.5





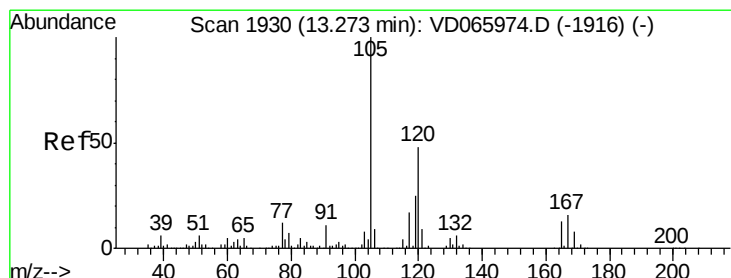
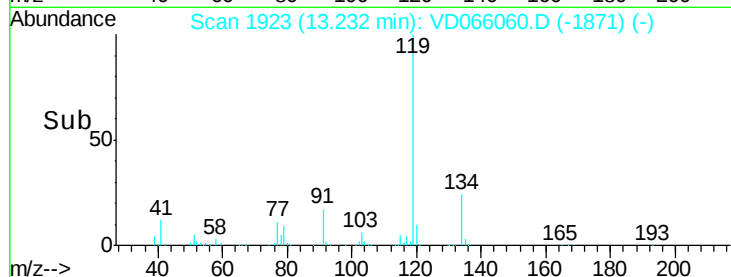
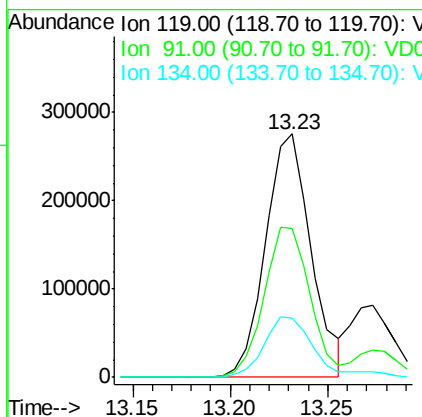
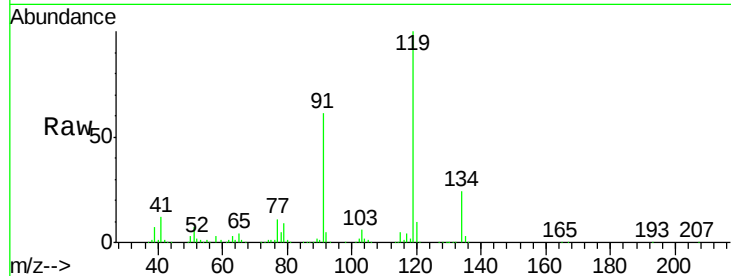
#83
tert-Butylbenzene
Concen: 50.034 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.6	91.6
134	25.9	13.9	41.7

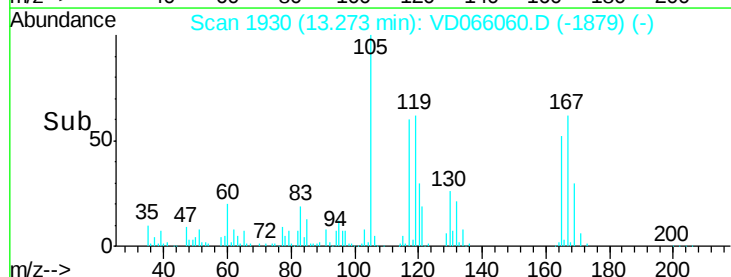
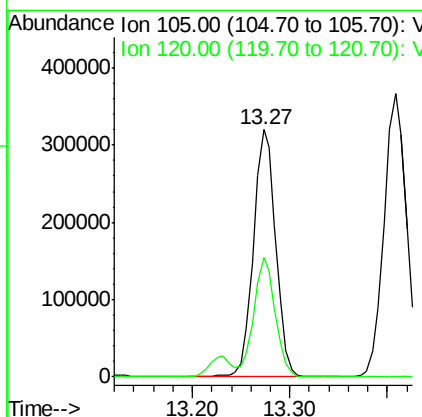
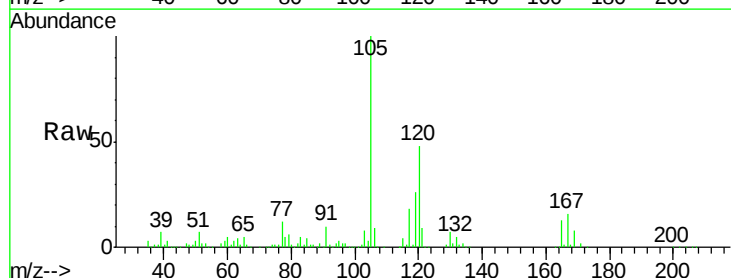
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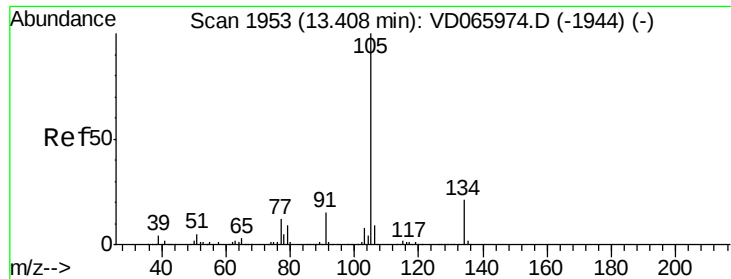
MMDadoda
7/27/2020 12:03:49 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.171 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.9	71.8





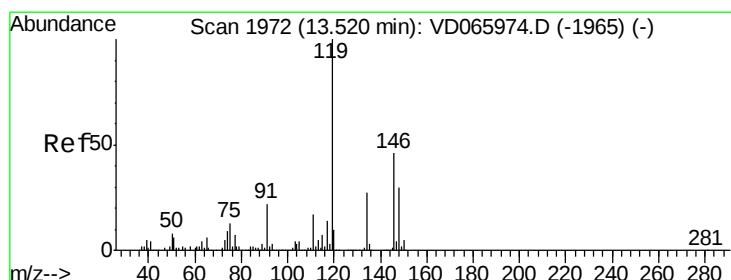
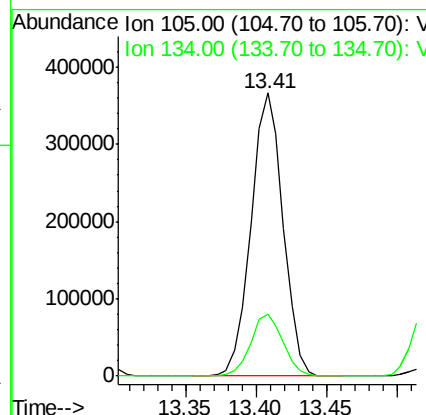
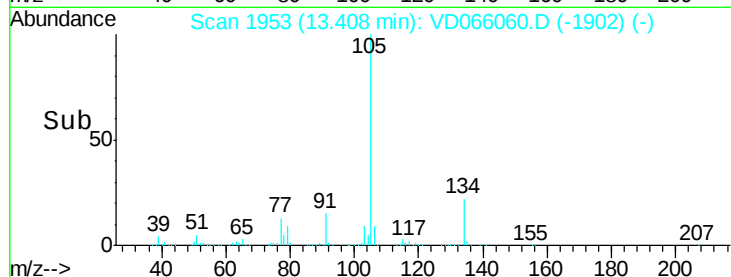
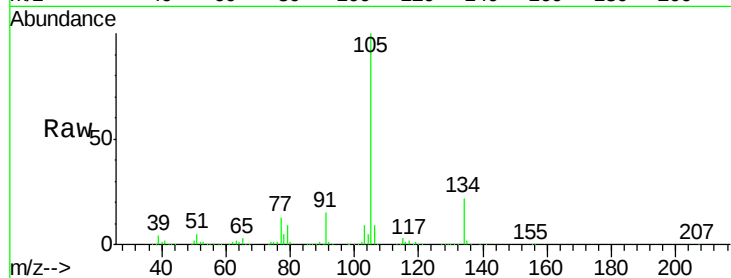
#85
 sec-Butylbenzene
 Concen: 47.290 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.0	10.4	31.4

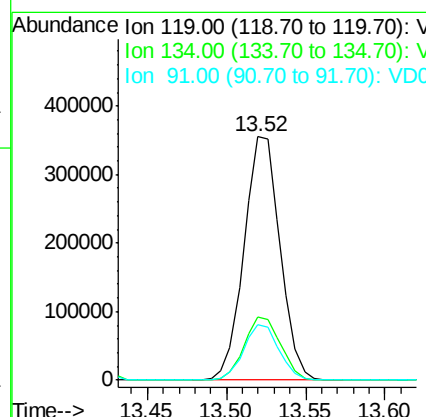
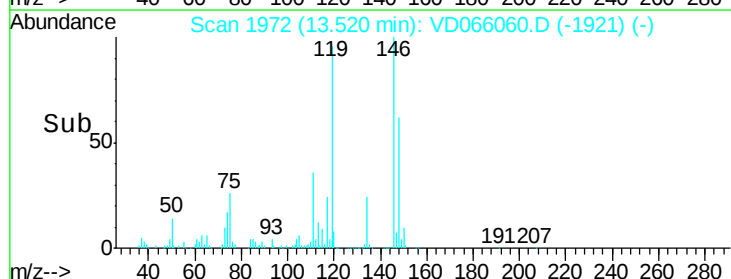
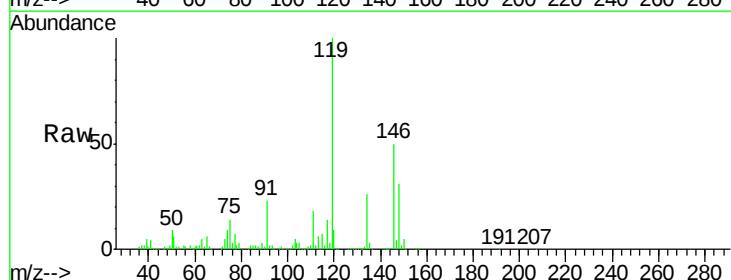
Manual Integrations
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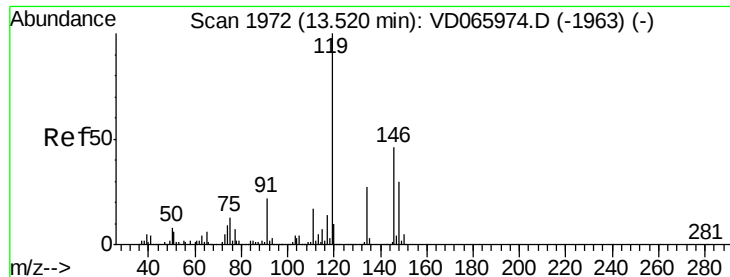
MMDadoda
 7/27/2020 12:03:49 PM



#86
 p-Isopropyltoluene
 Concen: 50.188 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.4	40.2
91	22.4	11.1	33.3





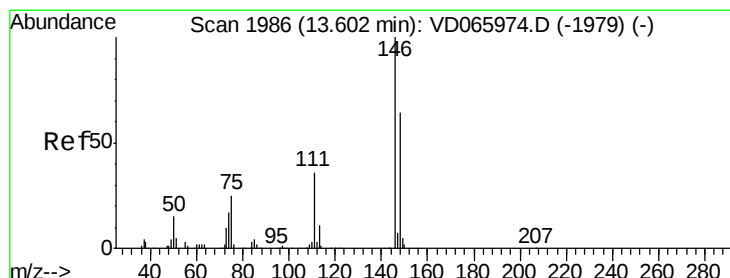
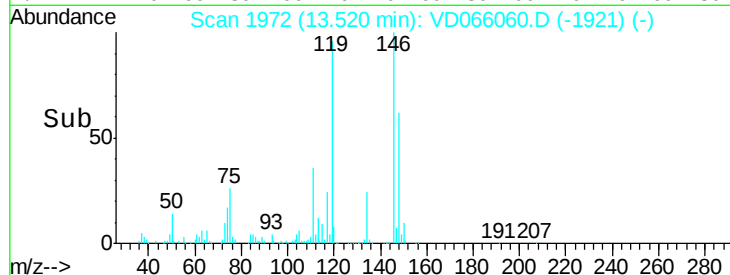
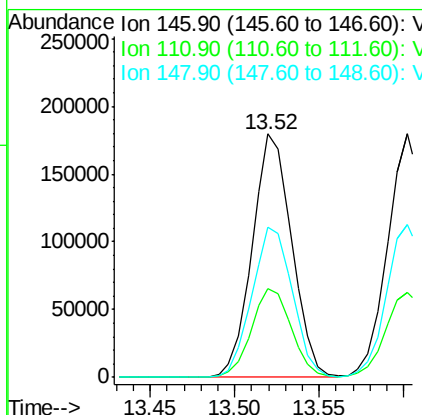
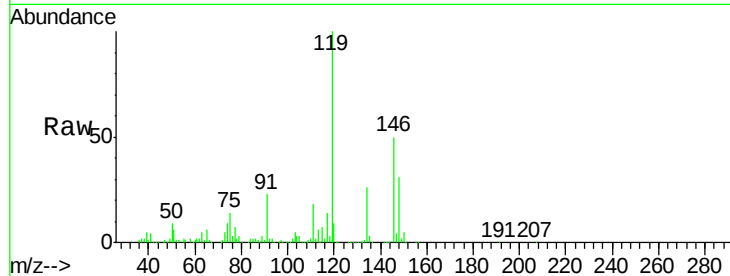
#87
1,3-Dichlorobenzene
Concen: 49.636 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.6
148	63.2	32.4	97.0

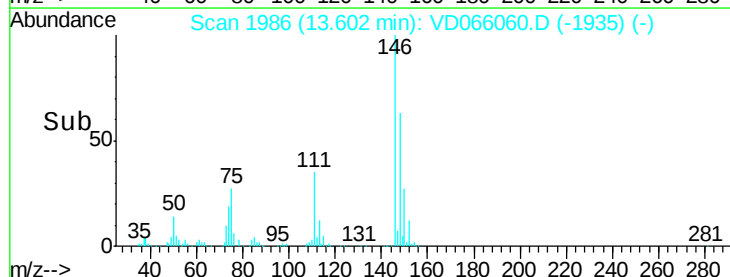
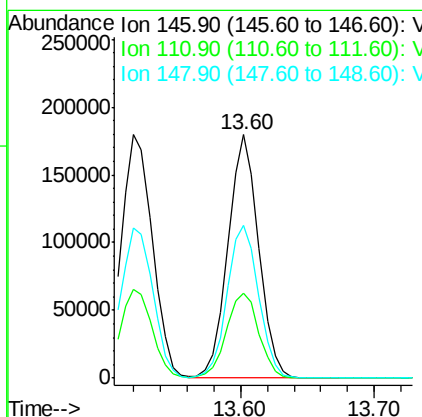
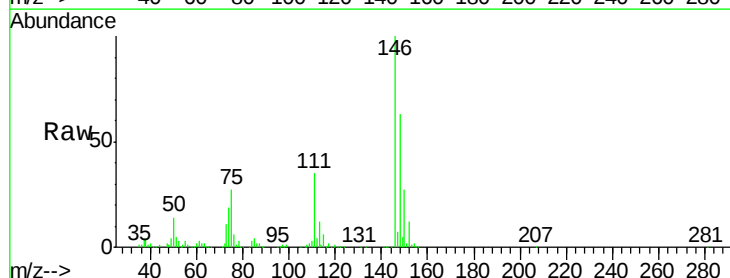
Manual Integrations
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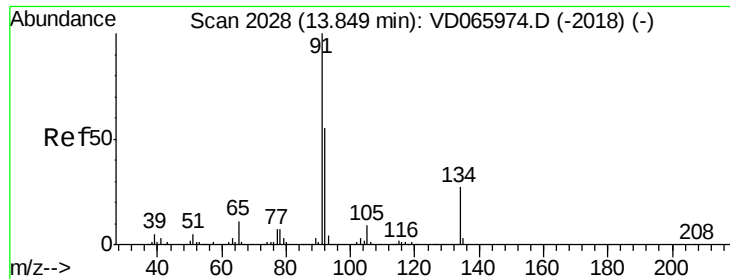
MMDadoda
7/27/2020 12:03:49 PM



#88
1,4-Dichlorobenzene
Concen: 48.303 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	64.5	32.2	96.6





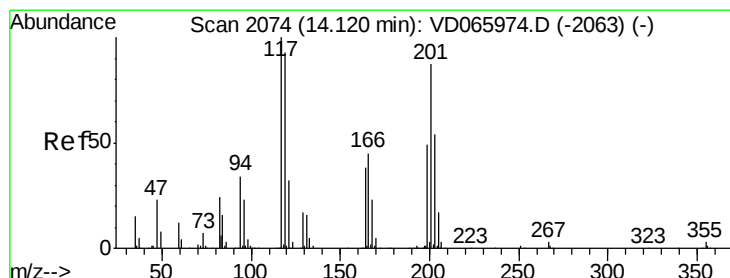
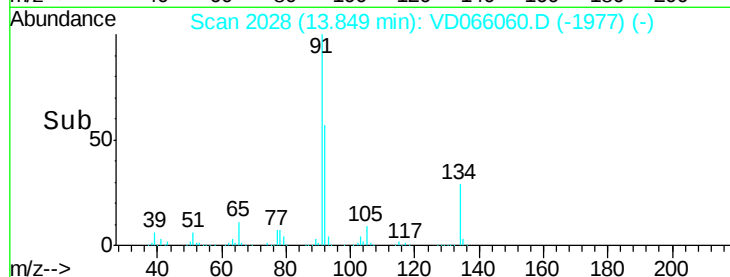
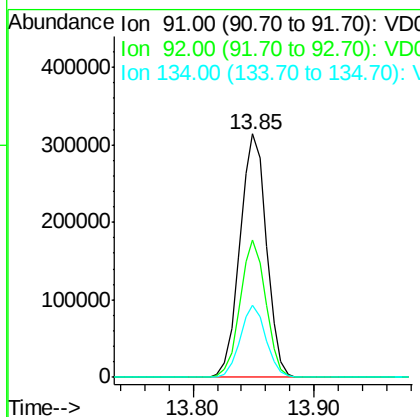
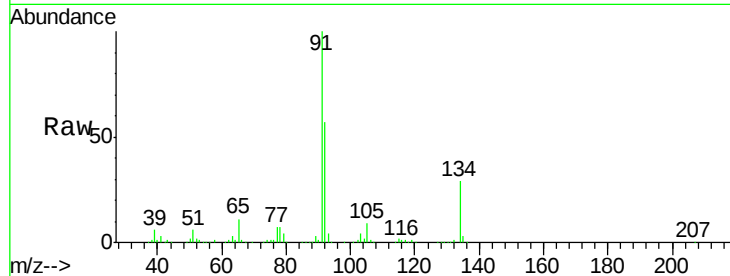
#89
n-Butylbenzene
Concen: 46.402 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.2	81.6
134	28.6	13.8	41.4

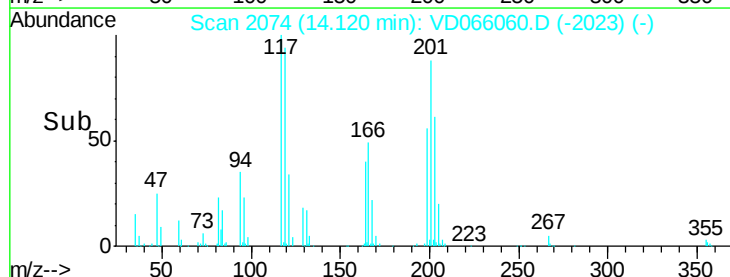
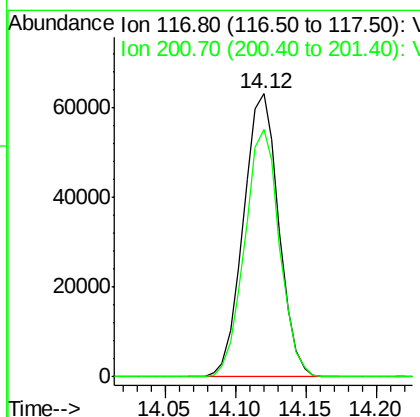
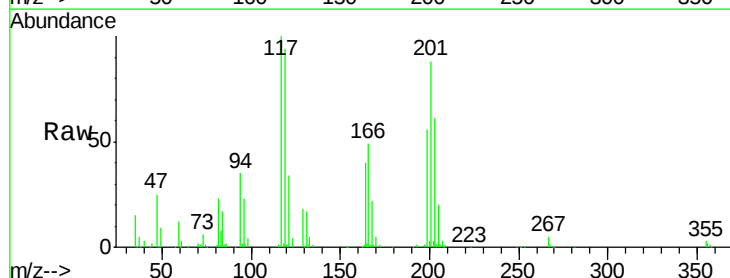
Manual Integrations
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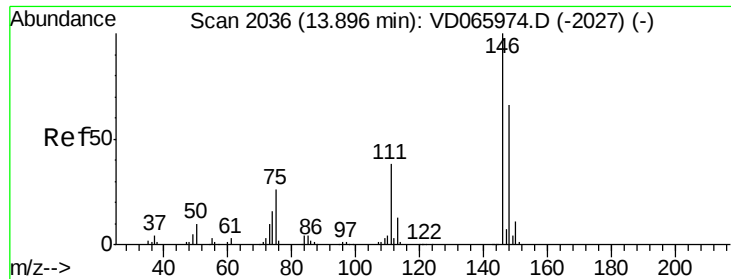
MMDadoda
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#90
Hexachloroethane
Concen: 48.050 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD066060.D
Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	42.0	126.1





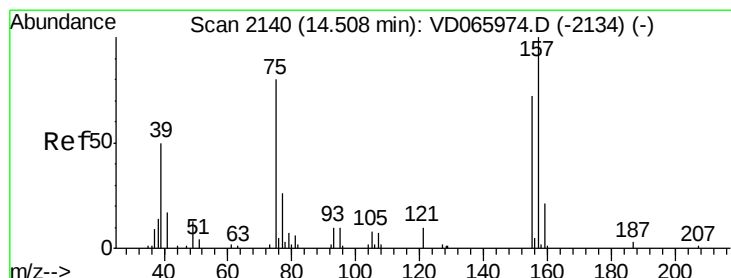
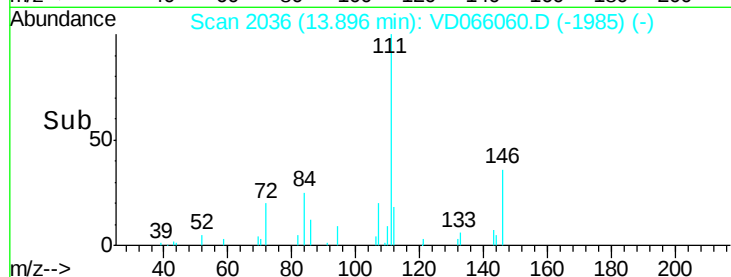
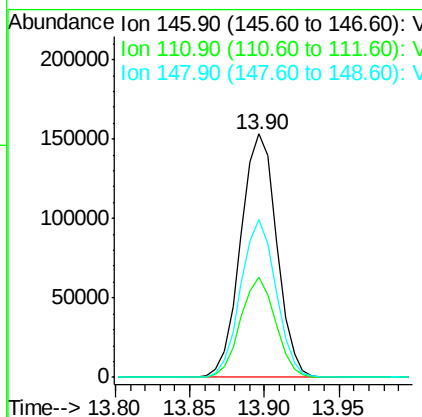
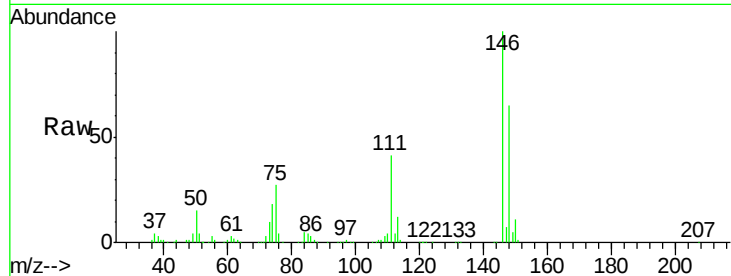
#91
 1,2-Dichlorobenzene
 Concen: 50.363 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.9
148	63.4	32.7	98.1

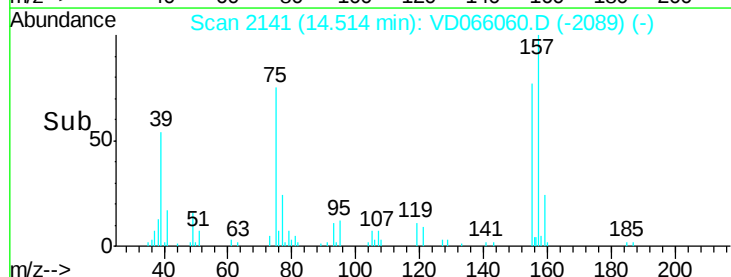
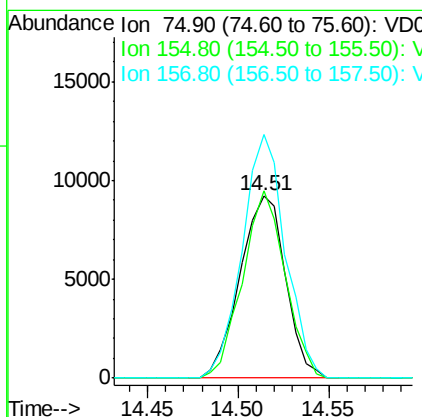
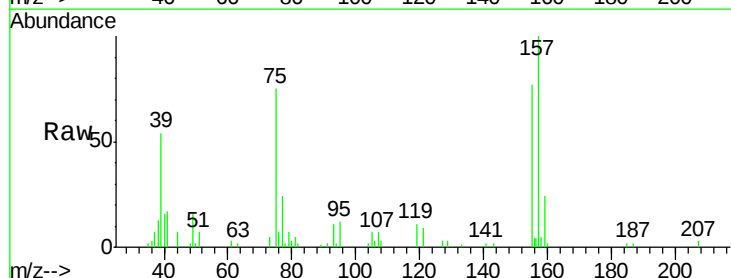
Manual Integrations
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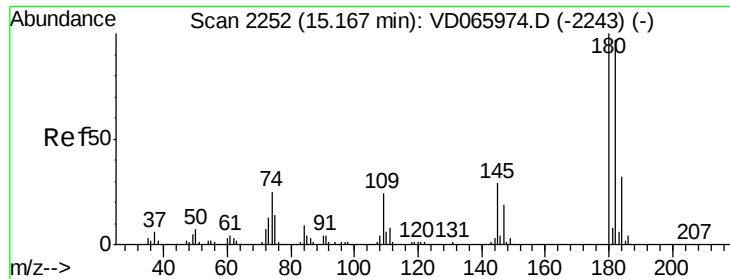
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.070 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.5	145.5
157	126.0	64.7	194.1





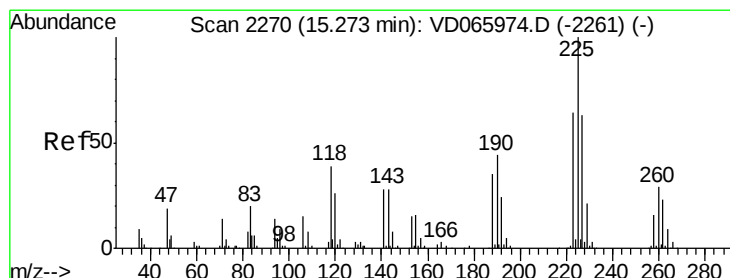
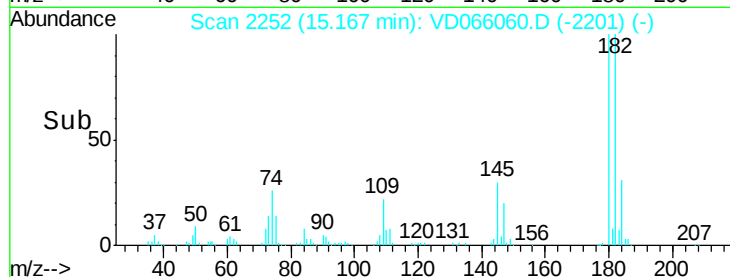
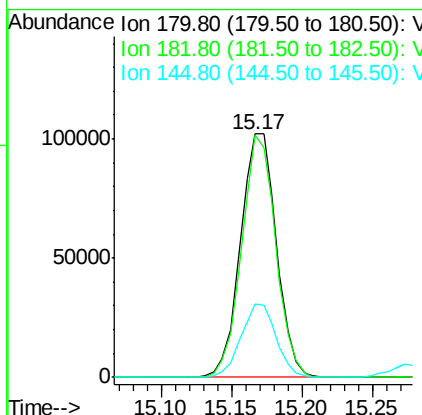
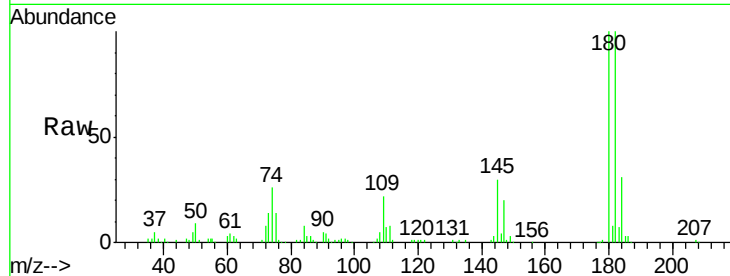
#93
 1,2,4-Trichlorobenzene
 Concen: 49.724 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182134		
182	94.4	48.1	144.3	
145	29.4	14.7	44.1	

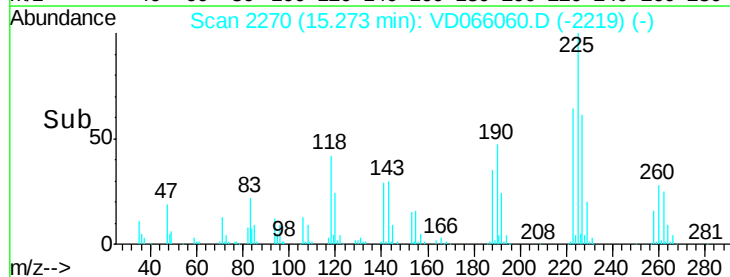
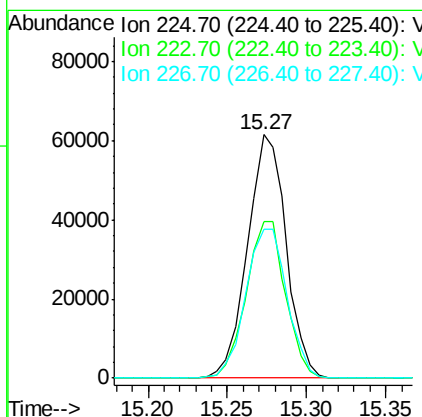
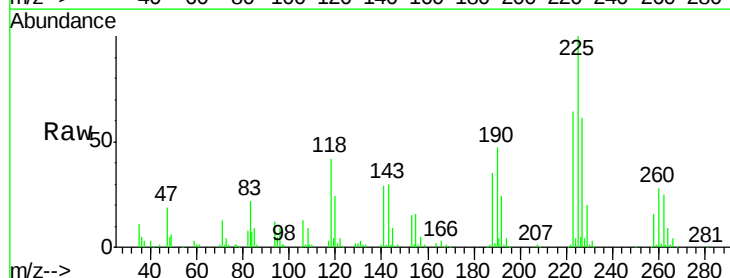
Manual Integrations
 APPROVED

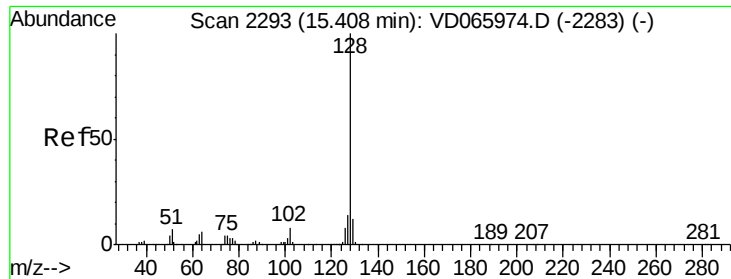
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 7/27/2020 12:03:49 PM



#94
 Hexachlorobutadiene
 Concen: 46.073 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066060.D
 Acq: 24 Jul 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104332		
223	65.4	31.2	93.6	
227	65.8	31.6	94.8	





#95

Naphthalene

Concen: 47.049 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Instrument :

MSVOA_D

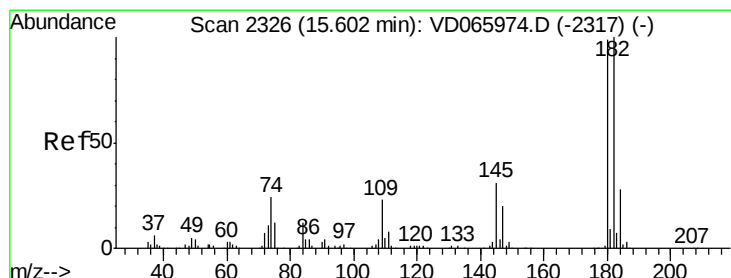
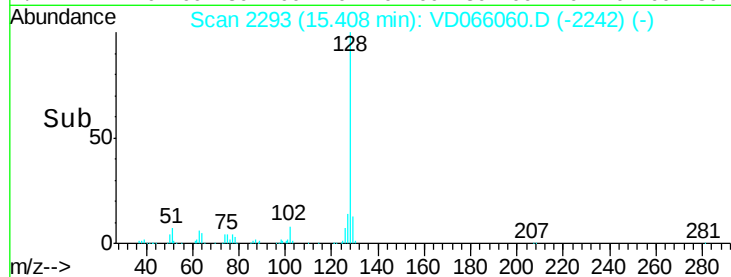
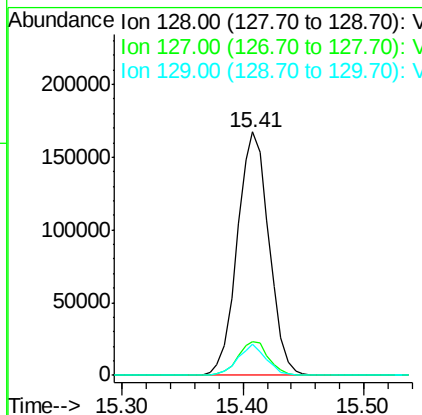
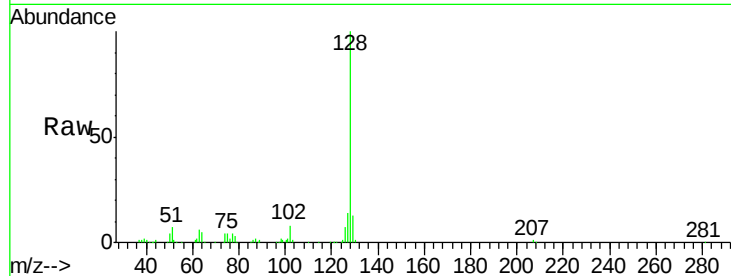
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	305001
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.8	16.2
129	11.3	8.9	13.3

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 51.653 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066060.D

Acq: 24 Jul 2020 21:08

Tgt Ion:	180	Resp:	164477
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.6
145	30.3	15.4	46.2

