

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065971.D
 Acq On : 21 Jul 2020 09:55
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:15 PM

Quant Time: Jul 21 12:31:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:03:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	358400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	526450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	490818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248944	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	15818	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
35) Dibromofluoromethane	7.92	113	17410	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	
50) Toluene-d8	10.34	98	65928	5.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.18%	
62) 4-Bromofluorobenzene	12.63	95	22910	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.99	85	13888	4.817	ug/l	92
3) Chloromethane	2.21	50	11427	5.018	ug/l	99
4) Vinyl Chloride	2.35	62	10454	4.755	ug/l	98
5) Bromomethane	2.77	94	9309	4.953	ug/l	89
6) Chloroethane	2.92	64	5758	4.346	ug/l	94
7) Trichlorofluoromethane	3.27	101	25715	4.860	ug/l	89
8) Diethyl Ether	3.71	74	7201	5.287	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	15711	5.008	ug/l	98
10) Methyl Iodide	4.30	142	5267	3.073	ug/l	90
11) Tert butyl alcohol	5.18	59	10134m	40.944	ug/l	
12) 1,1-Dichloroethene	4.07	96	14894	5.001	ug/l #	82
13) Acrolein	3.93	56	5986	25.030	ug/l	91
14) Allyl chloride	4.71	41	21422	4.686	ug/l	99
15) Acrylonitrile	5.43	53	14456	24.733	ug/l	95
16) Acetone	4.16	43	16291	27.653	ug/l #	85
17) Carbon Disulfide	4.40	76	46378	4.768	ug/l	95
18) Methyl Acetate	4.72	43	7224	5.330	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	27772	4.754	ug/l #	89
20) Methylene Chloride	4.96	84	25163	6.191	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	15343	4.561	ug/l #	85
22) Diisopropyl ether	6.37	45	39115	4.520	ug/l	96
23) Vinyl Acetate	6.30	43	103755	21.848	ug/l	99
24) 1,1-Dichloroethane	6.27	63	25148	4.646	ug/l	94
25) 2-Butanone	7.21	43	19311	24.860	ug/l	91
26) 2,2-Dichloropropane	7.20	77	23358	4.701	ug/l	95
27) cis-1,2-Dichloroethene	7.20	96	17097	4.851	ug/l	99
28) Bromochloromethane	7.54	49	10418	4.661	ug/l	96
29) Tetrahydrofuran	7.57	42	10867	22.928	ug/l	99
30) Chloroform	7.72	83	26967	4.803	ug/l	96
31) Cyclohexane	7.98	56	28436	5.234	ug/l #	77
32) 1,1,1-Trichloroethane	7.90	97	24990	4.757	ug/l	97
36) 1,1-Dichloropropene	8.11	75	20801	4.550	ug/l	95
37) Ethyl Acetate	7.30	43	7472	4.261	ug/l	98
38) Carbon Tetrachloride	8.10	117	22859	4.714	ug/l	94

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 ALS Vial : 3 Sample Multiplier: 1

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	24647	4.552	ug/l	95
40) Benzene	8.36	78	59301	4.677	ug/l	91
41) Methacrylonitrile	7.53	41	5044m	3.847	ug/l	
42) 1,2-Dichloroethane	8.43	62	16143	4.632	ug/l	100
43) Isopropyl Acetate	8.46	43	15468	4.792	ug/l	96
44) Trichloroethene	9.11	130	18314	4.801	ug/l	96
45) 1,2-Dichloropropane	9.39	63	14244	4.684	ug/l	97
46) Dibromomethane	9.48	93	7417	4.457	ug/l	94
47) Bromodichloromethane	9.66	83	20133	4.616	ug/l	96
48) Methyl methacrylate	9.46	41	7473	4.445	ug/l #	91
49) 1,4-Dioxane	9.47	88	1625	88.331	ug/l #	72
51) 4-Methyl-2-Pentanone	10.23	43	38051	23.087	ug/l	98
52) Toluene	10.40	92	36783	4.505	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	18288	4.744	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	21689	4.545	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	11847	5.172	ug/l #	80
56) Ethyl methacrylate	10.67	69	10677	4.148	ug/l	91
57) 1,3-Dichloropropane	10.95	76	17562	4.609	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.94	63	31889	25.382	ug/l	98
59) 2-Hexanone	10.98	43	25555	22.564	ug/l	97
60) Dibromochloromethane	11.14	129	14859	4.801	ug/l	96
61) 1,2-Dibromoethane	11.24	107	10693	4.827	ug/l	99
64) Tetrachloroethene	10.88	164	15439	4.601	ug/l	97
65) Chlorobenzene	11.67	112	41392	4.572	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.75	131	14609	4.361	ug/l	88
67) Ethyl Benzene	11.75	91	68844	4.433	ug/l	95
68) m/p-Xylenes	11.86	106	50162	8.353	ug/l	97
69) o-Xylene	12.18	106	22451	4.199	ug/l	95
70) Styrene	12.20	104	37791	4.084	ug/l	98
71) Bromoform	12.36	173	9107	4.837	ug/l #	96
73) Isopropylbenzene	12.48	105	63002	4.225	ug/l	98
74) N-amyl acetate	12.29	43	13202	4.402	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	11261	4.566	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	10365m	4.685	ug/l	
77) Bromobenzene	12.76	156	16944	4.402	ug/l	99
78) n-propylbenzene	12.83	91	75309	4.311	ug/l	98
79) 2-Chlorotoluene	12.91	91	43972	4.409	ug/l	95
80) 1,3,5-Trimethylbenzene	12.96	105	50786	4.089	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	3684	4.672	ug/l	96
82) 4-Chlorotoluene	13.01	91	45870	4.330	ug/l	99
83) tert-Butylbenzene	13.23	119	43817	4.062	ug/l	92
84) 1,2,4-Trimethylbenzene	13.27	105	52752	4.330	ug/l	97
85) sec-Butylbenzene	13.41	105	62800	4.211	ug/l	98
86) p-Isopropyltoluene	13.52	119	55322	4.120	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	32984	4.539	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	34462	4.732	ug/l	95
89) n-Butylbenzene	13.85	91	53971	4.345	ug/l	98
90) Hexachloroethane	14.11	117	13677	4.962	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	27257	4.381	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2106	5.361	ug/l	93

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

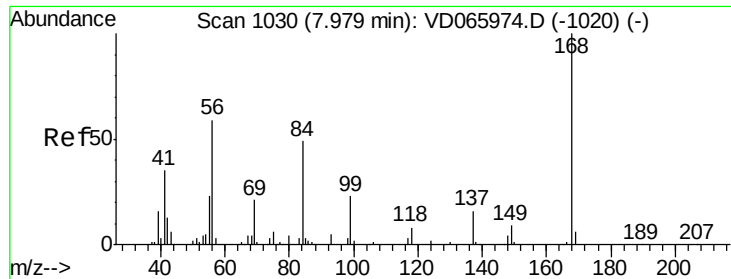
Manual Integrations
APPROVED

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7/22/2020 2:44:15 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	19525	4.516	ug/l	96
94) Hexachlorobutadiene	15.27	225	12888	4.761	ug/l	97
95) Naphthalene	15.41	128	27165	4.115	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	17383	4.594	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 358400

Ion Ratio Lower Upper

168 100

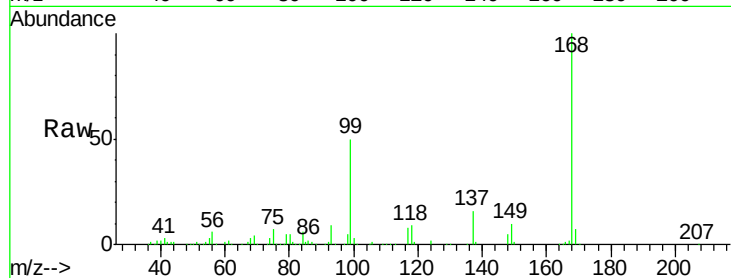
99 49.9 40.8 61.2

Manual Integrations

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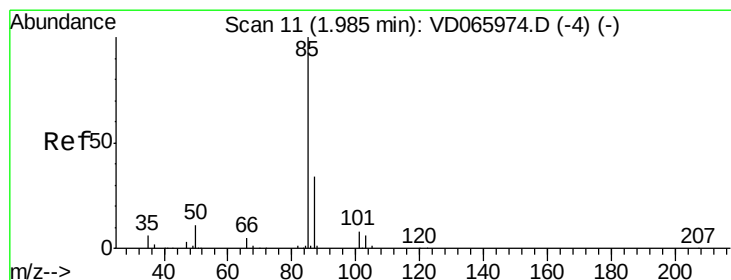
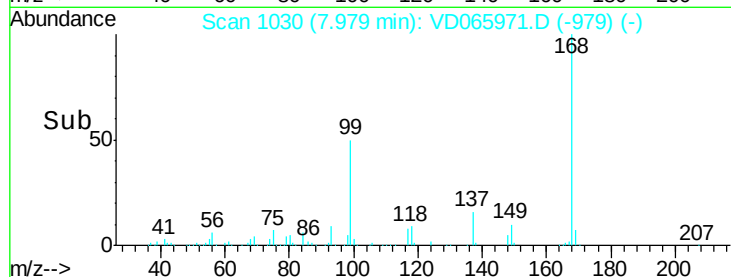
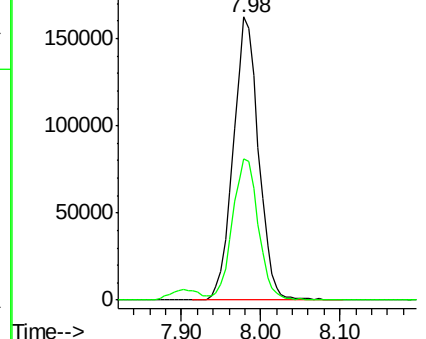
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.817 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065971.D

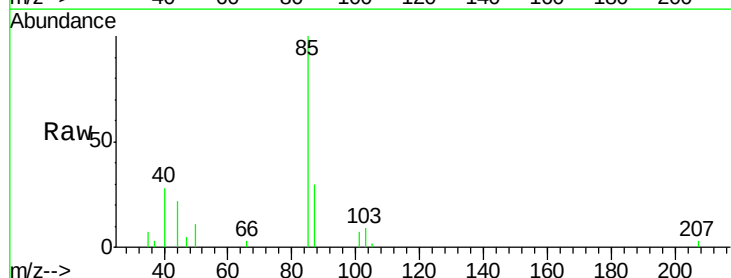
Acq: 21 Jul 2020 09:55

Tgt Ion: 85 Resp: 13888

Ion Ratio Lower Upper

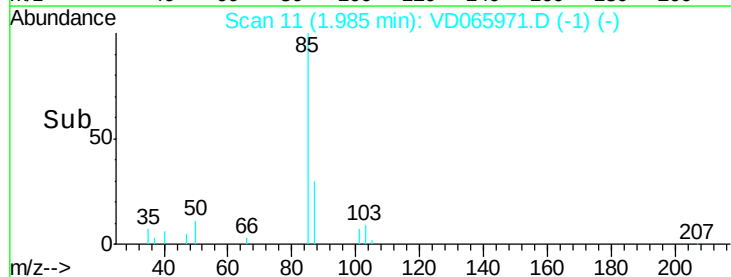
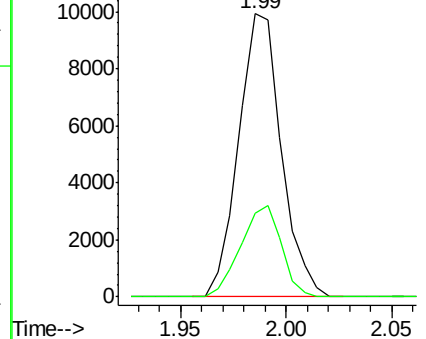
85 100

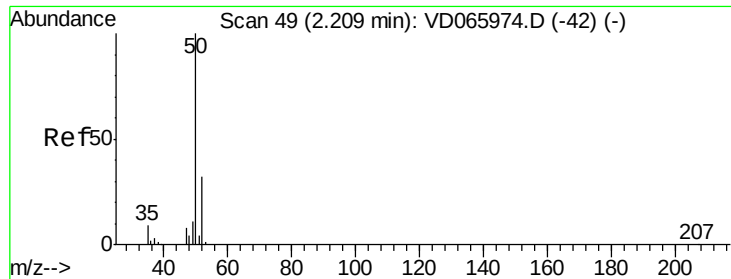
87 29.8 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.018 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11427

Ion Ratio Lower Upper

50 100

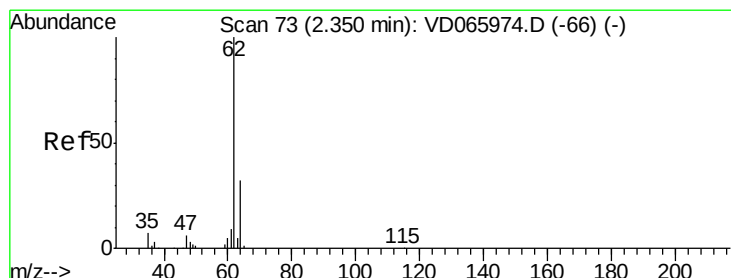
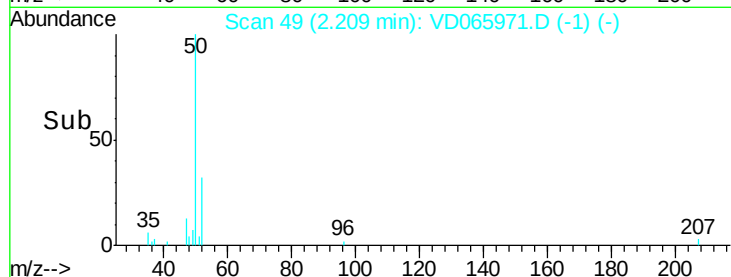
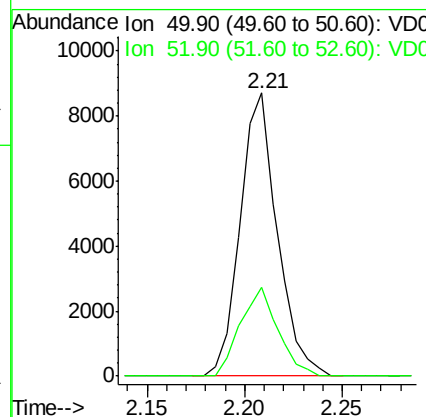
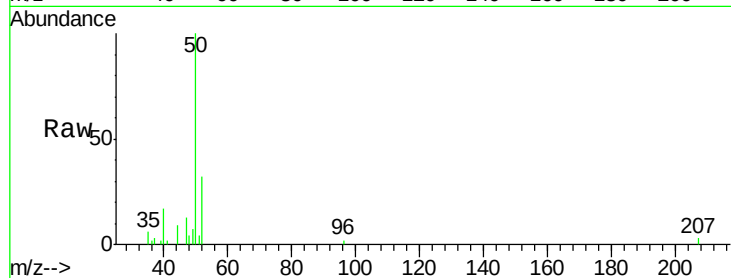
52 31.6 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.755 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065971.D

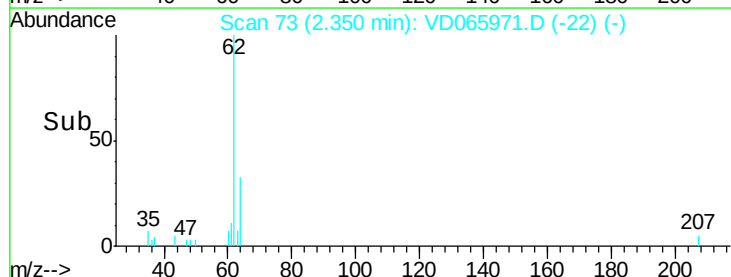
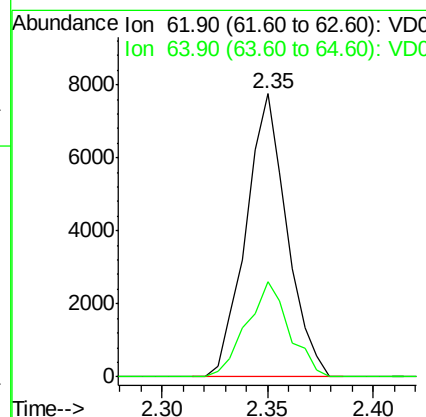
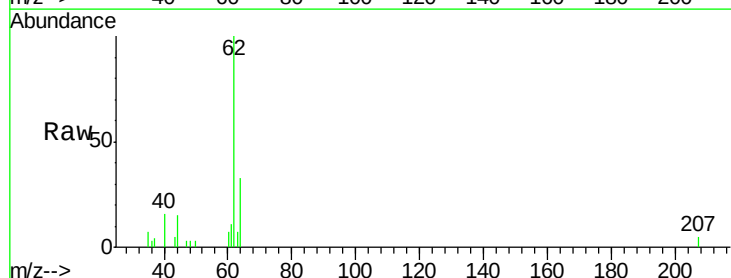
Acq: 21 Jul 2020 09:55

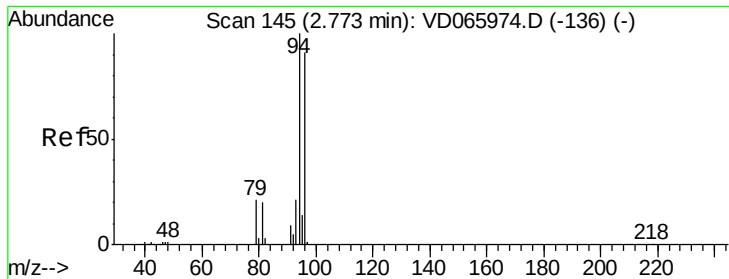
Tgt Ion: 62 Resp: 10454

Ion Ratio Lower Upper

62 100

64 33.4 25.8 38.8





#5

Bromomethane

Concen: 4.953 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9309

Ion Ratio Lower Upper

94 100

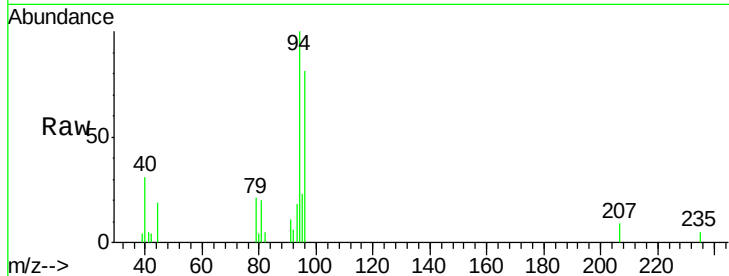
96 81.0 73.0 109.4

Manual Integrations

APPROVED

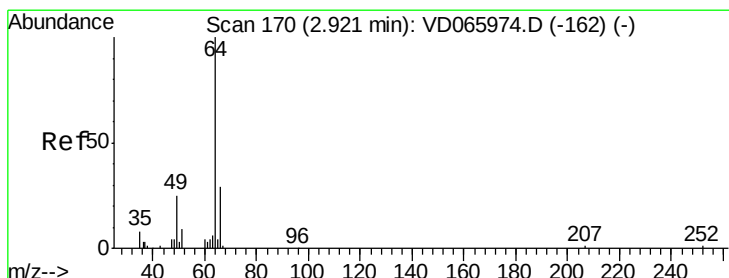
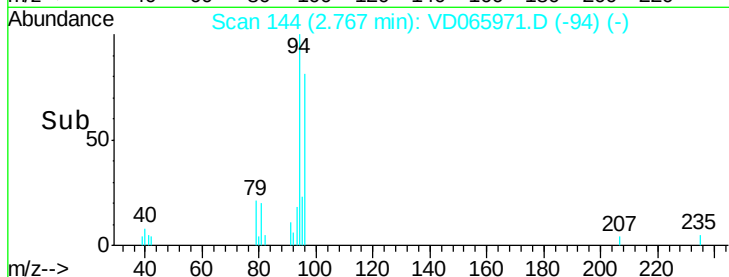
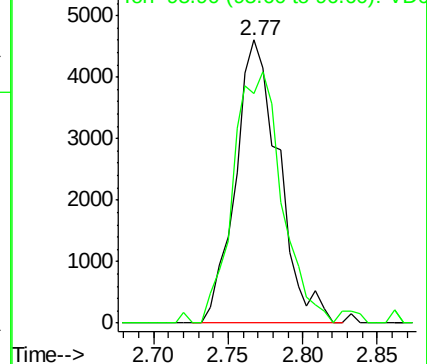
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 4.346 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065971.D

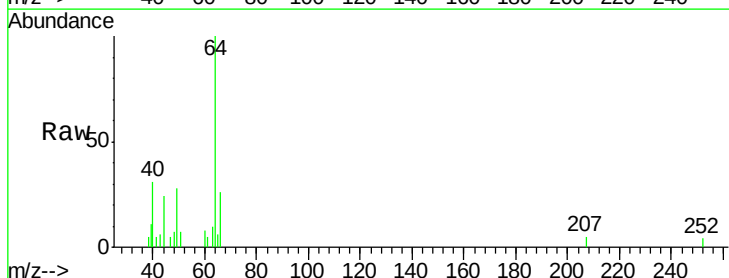
Acq: 21 Jul 2020 09:55

Tgt Ion: 64 Resp: 5758

Ion Ratio Lower Upper

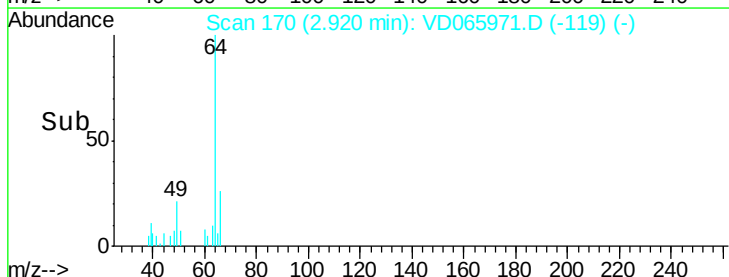
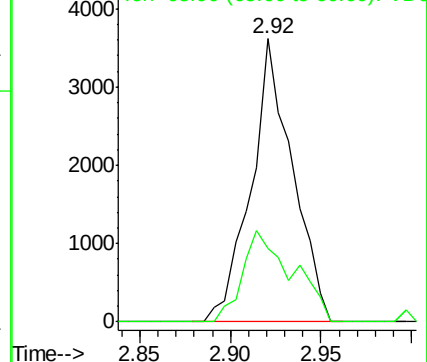
64 100

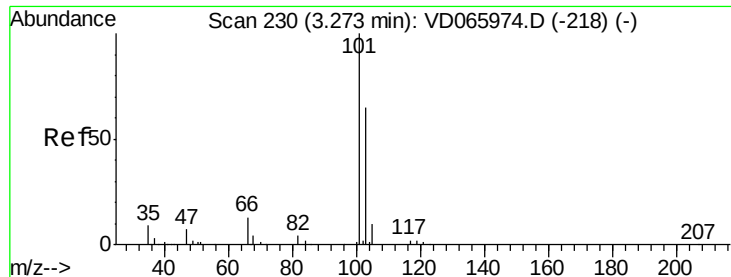
66 26.1 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

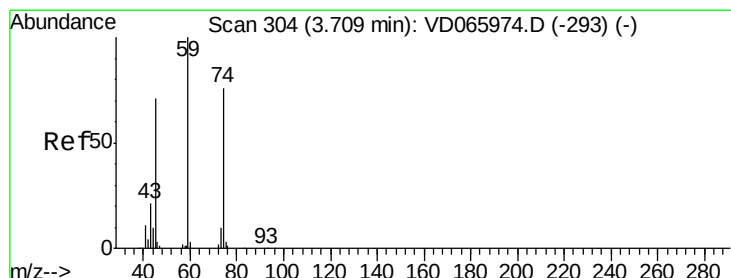
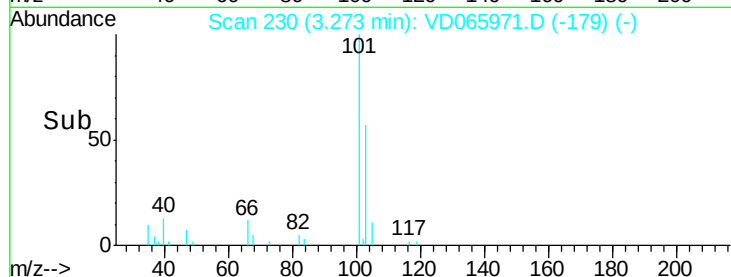
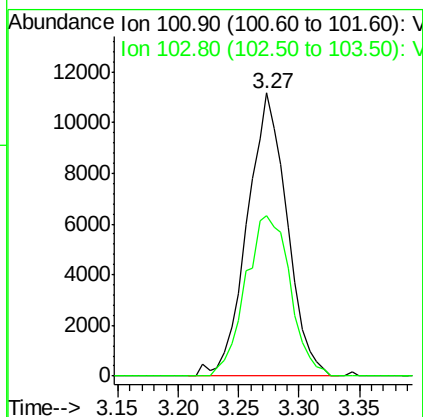
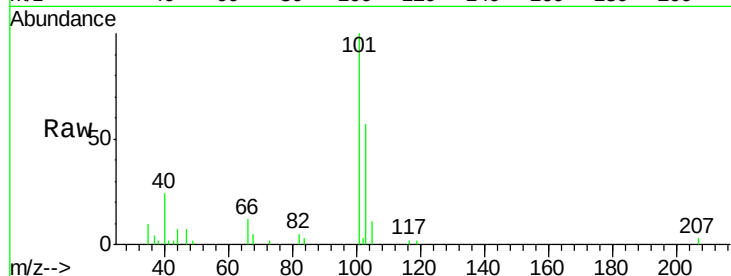
Trichlorofluoromethane
Concen: 4.860 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

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MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.6	52.1	78.1

Manual Integrations
APPROVED

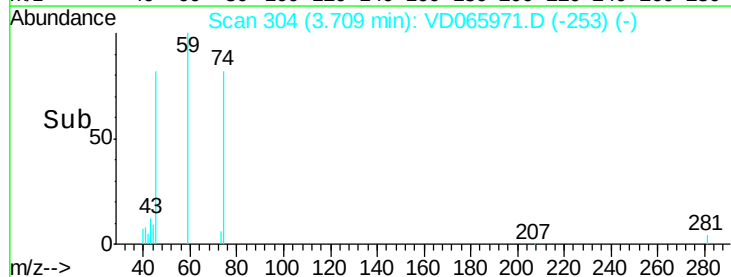
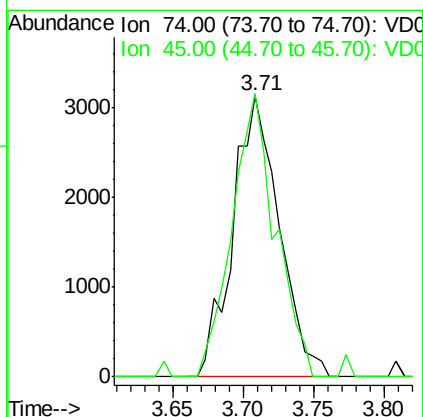
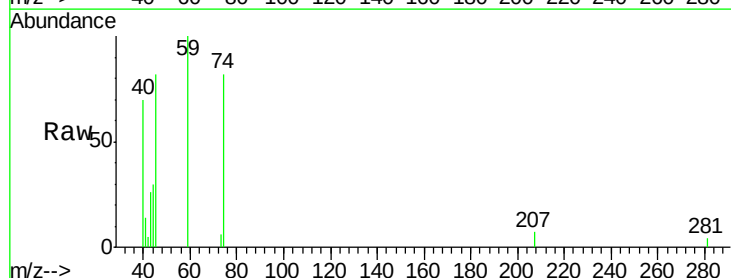
MMDadoda
7/22/2020 2:44:15 PM

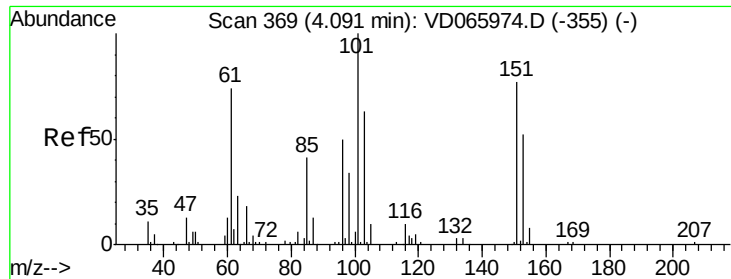


#8

Diethyl Ether
Concen: 5.287 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.008 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

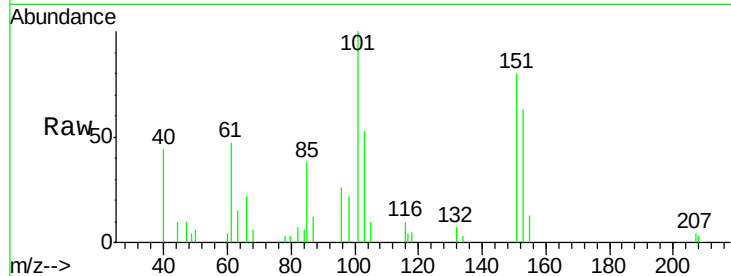
ClientSampleId :

VSTDIC005

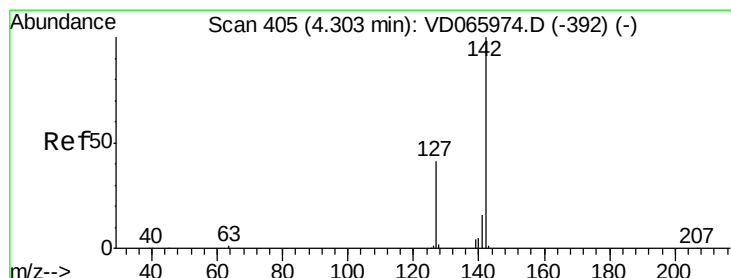
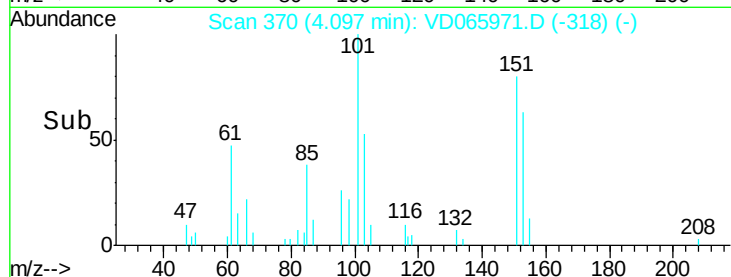
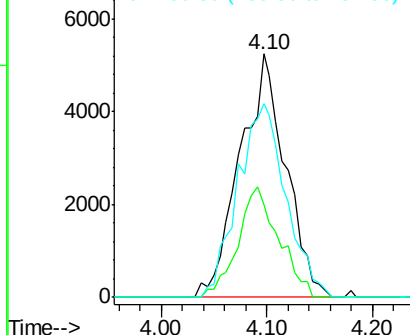
Tot Ion:	101	Resp:	15711
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.6	50.4
151	84.2	66.6	99.8

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



#10

Methyl Iodide

Concen: 3.073 ug/l

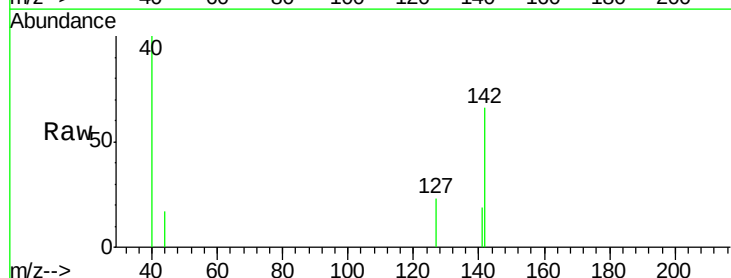
RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

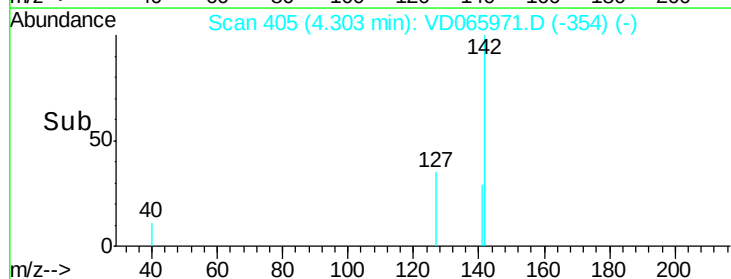
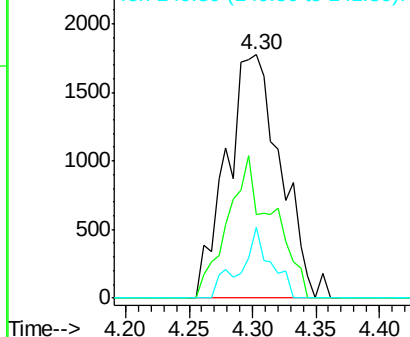
Lab File: VD065971.D

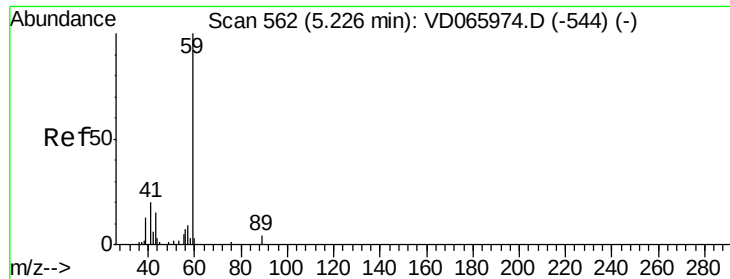
Acq: 21 Jul 2020 09:55

Tgt Ion:	142	Resp:	5267
Ion Ratio	Lower	Upper	
142	100		
127	48.4	32.9	49.3
141	16.4	11.8	17.6



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





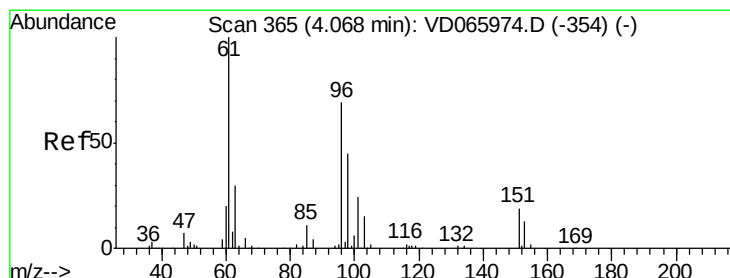
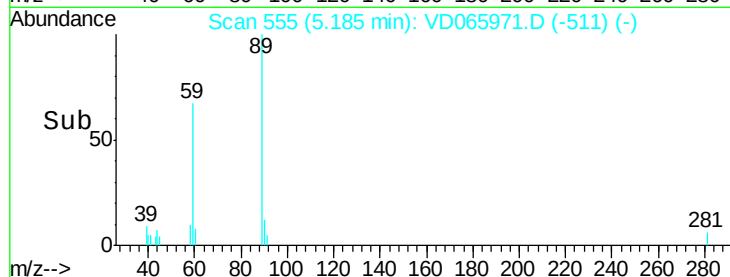
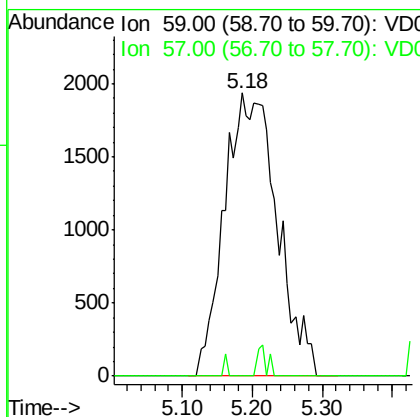
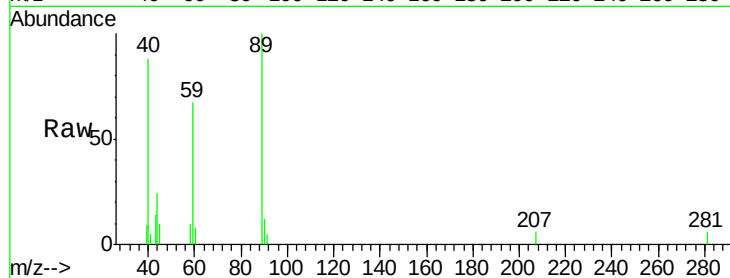
#11
Tert butyl alcohol
Concen: 40.944 ug/l m
RT: 5.18 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 10134
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

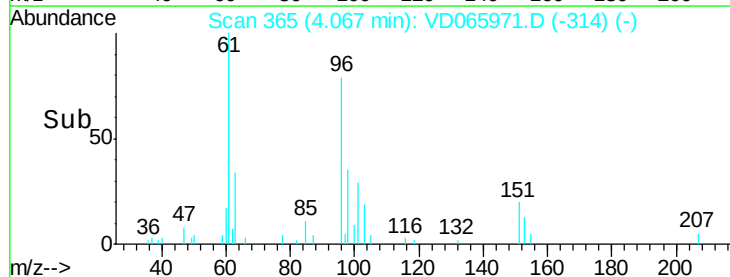
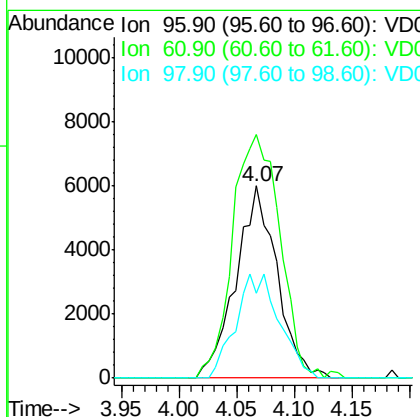
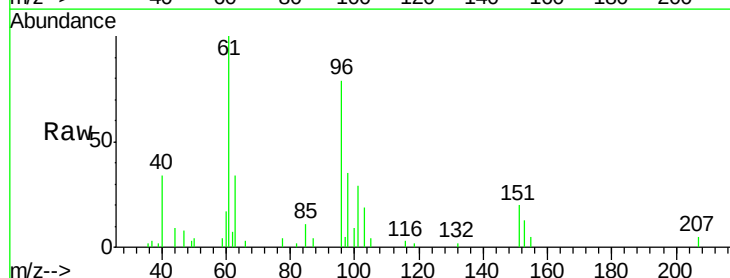
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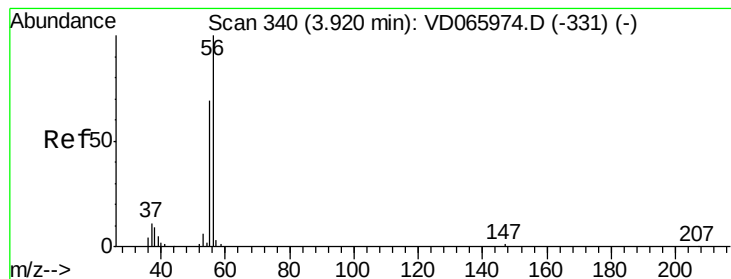
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#12
1,1-Dichloroethene
Concen: 5.001 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion: 96 Resp: 14894
Ion Ratio Lower Upper
96 100
61 126.7 115.4 173.0
98 44.5 51.5 77.3#





#13

Acrolein

Concen: 25.030 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5986

Ion Ratio Lower Upper

56 100

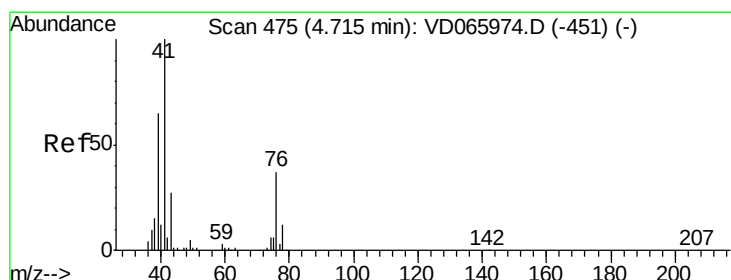
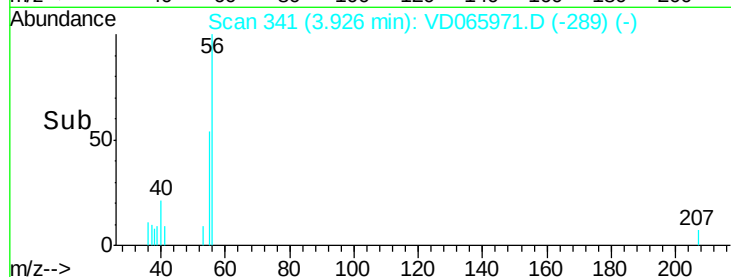
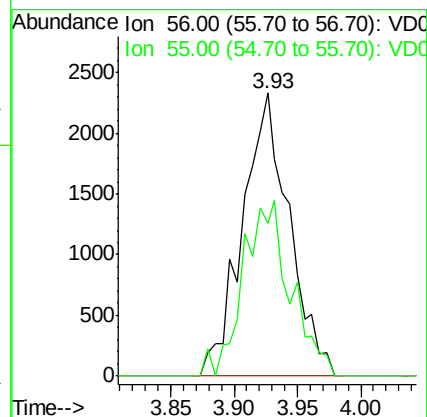
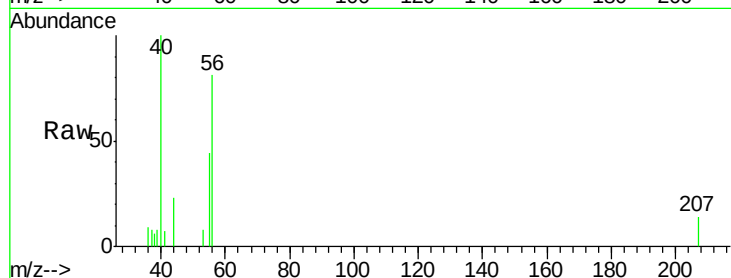
55 62.8 55.8 83.8

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#14

Allyl chloride

Concen: 4.686 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

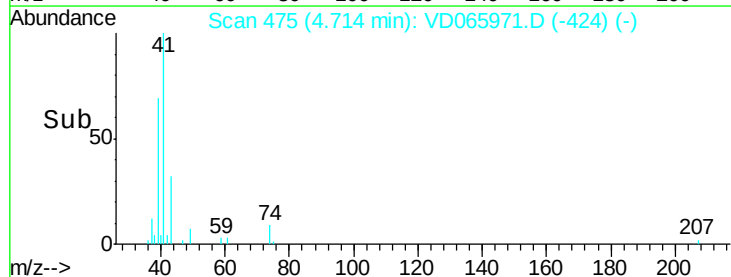
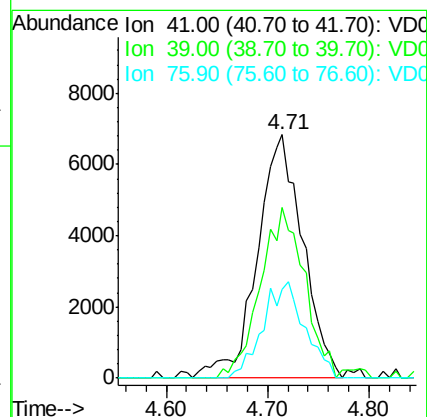
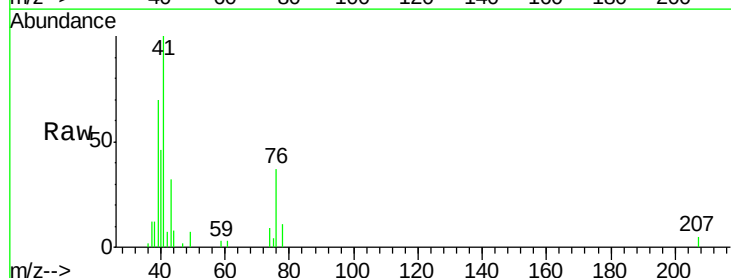
Tgt Ion: 41 Resp: 21422

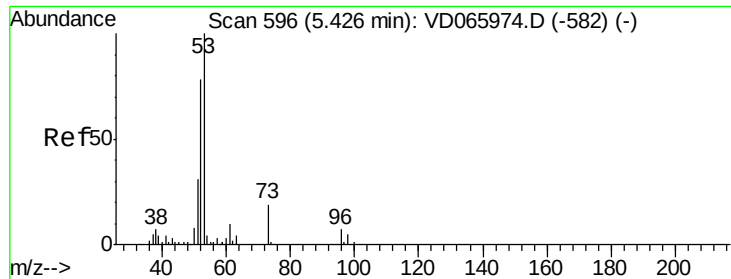
Ion Ratio Lower Upper

41 100

39 68.5 53.4 80.2

76 36.3 29.1 43.7





#15

Acrylonitrile

Concen: 24.733 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

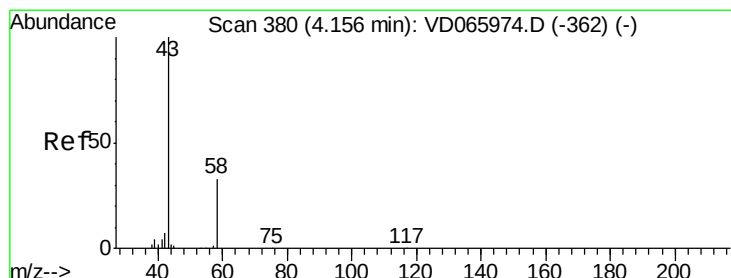
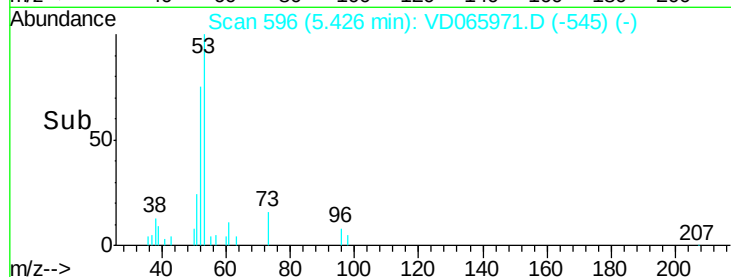
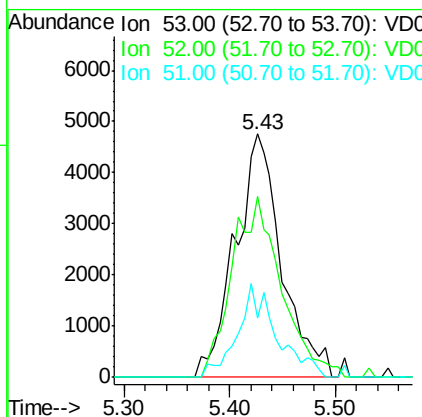
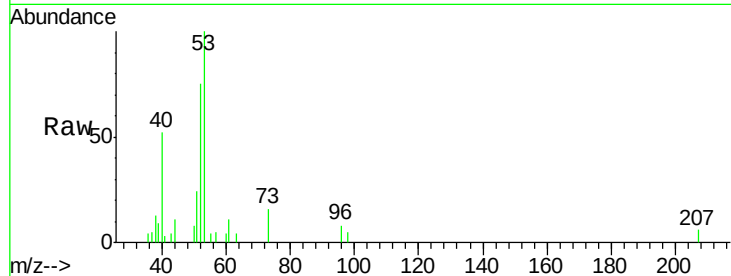
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	14456
Ion	Ratio	Lower	Upper
53	100		
52	79.4	67.1	100.7
51	32.4	28.7	43.1

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#16

Acetone

Concen: 27.653 ug/l

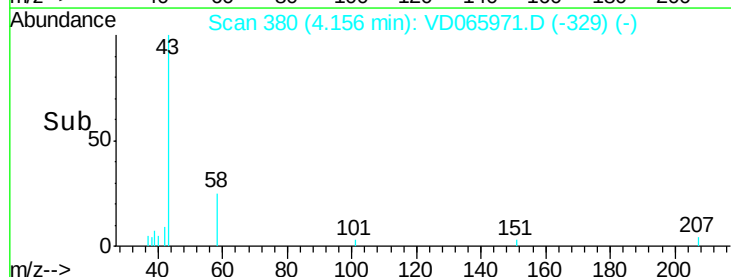
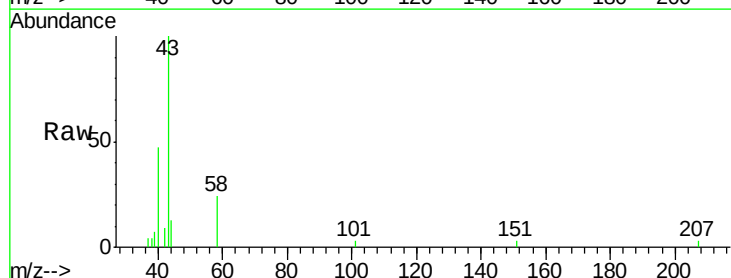
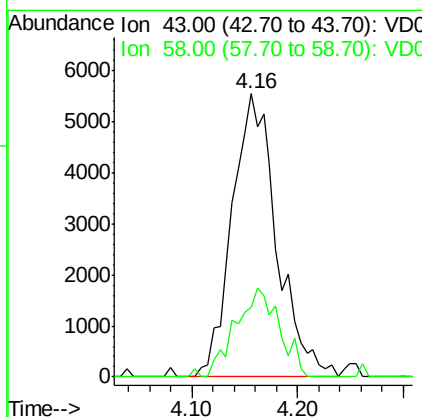
RT: 4.16 min Scan# 380

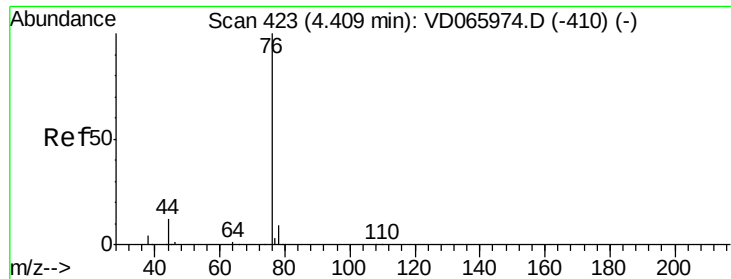
Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Tgt Ion:	43	Resp:	16291
Ion	Ratio	Lower	Upper
43	100		
58	24.5	26.3	39.5#





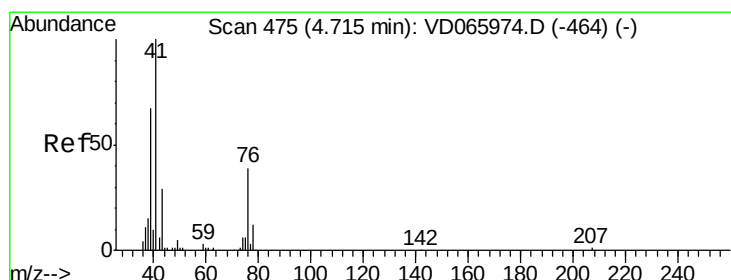
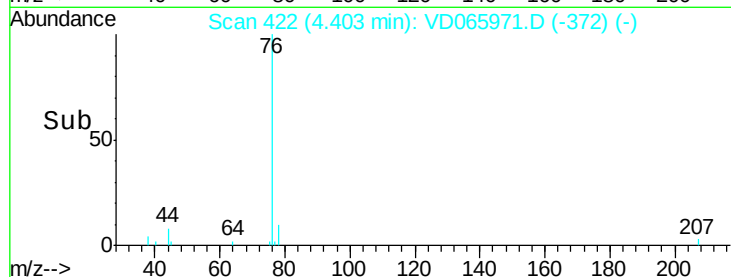
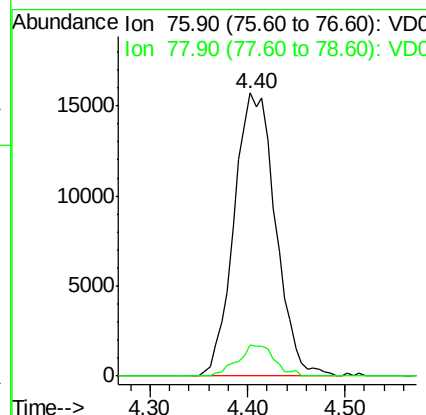
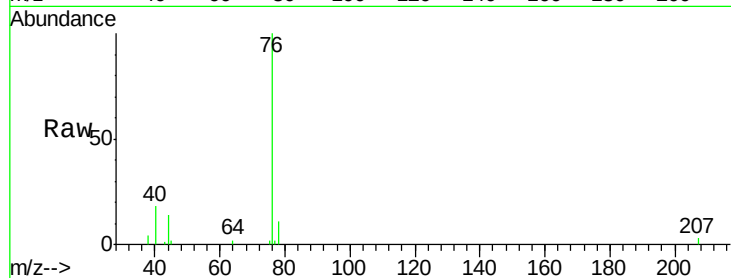
#17
Carbon Disulfide
Concen: 4.768 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	76	Resp	46378
Ion	Ratio	Lower	Upper
76	100		
78	11.0	7.4	11.2

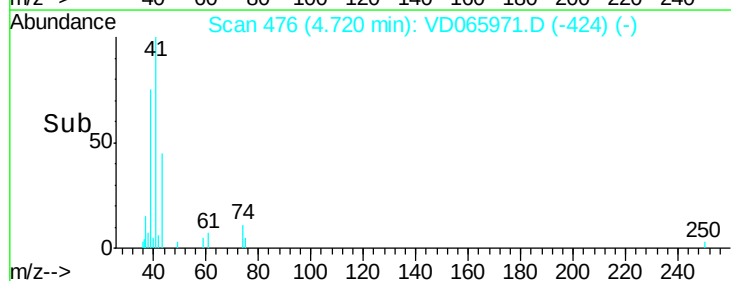
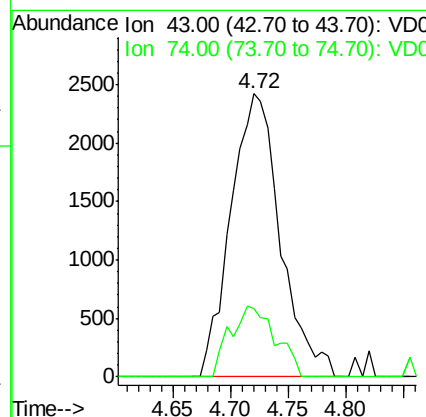
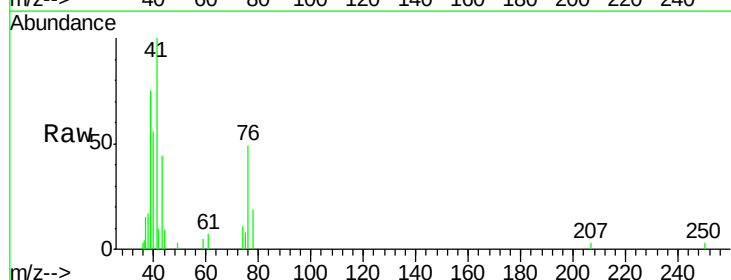
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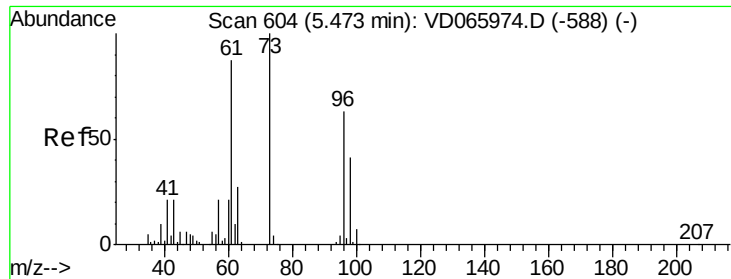
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#18
Methyl Acetate
Concen: 5.330 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	43	Resp	7224
Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.2	28.8





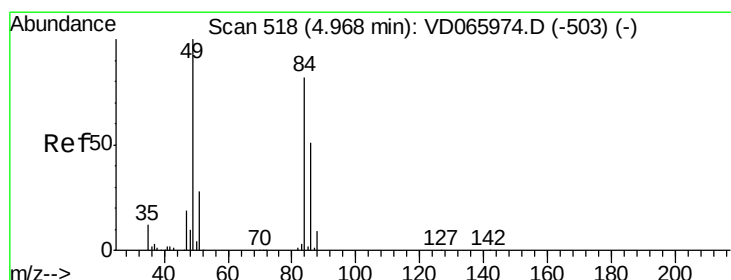
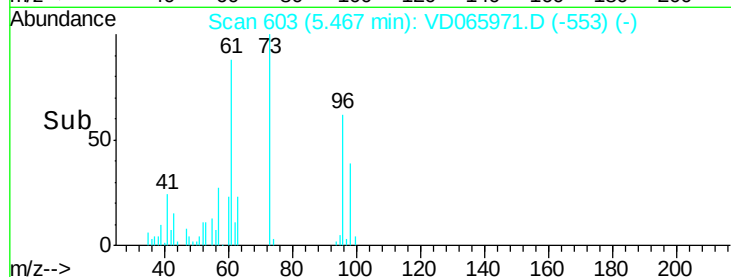
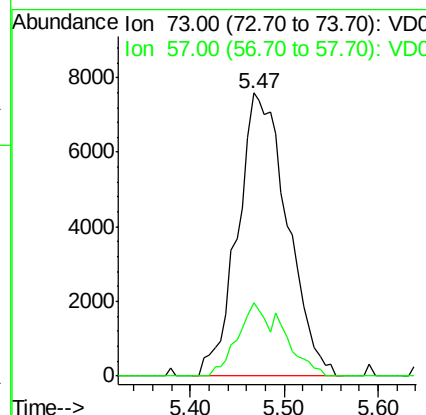
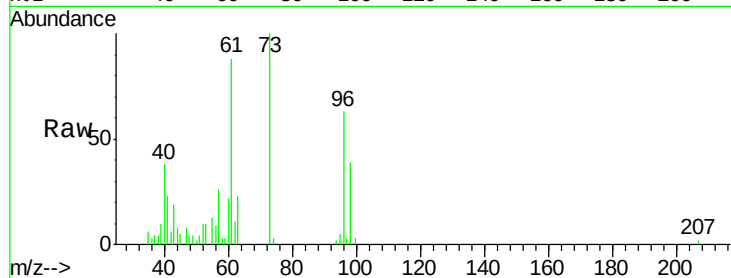
#19
Methyl tert-butyl Ether
Concen: 4.754 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 27772
Ion Ratio Lower Upper
73 100
57 26.1 17.0 25.4#

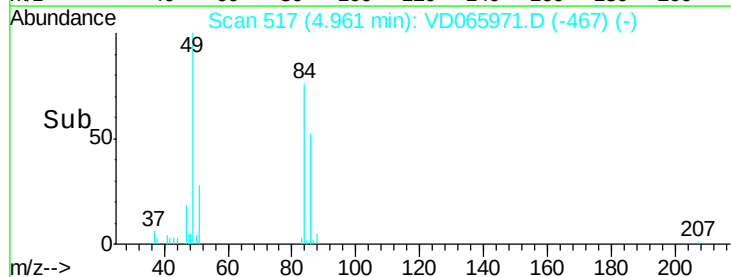
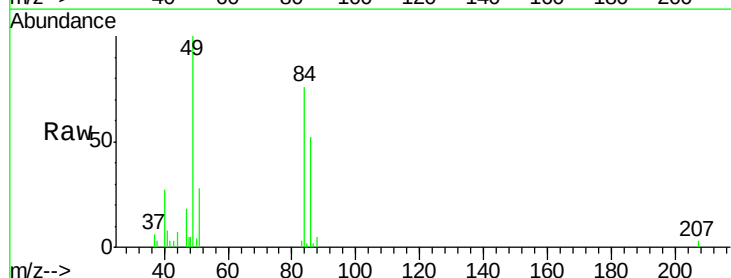
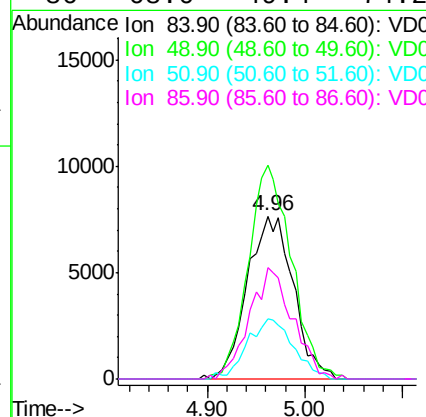
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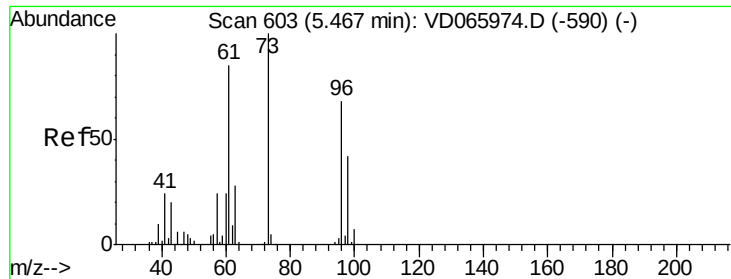
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#20
Methylene Chloride
Concen: 6.191 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion: 84 Resp: 25163
Ion Ratio Lower Upper
84 100
49 131.0 97.7 146.5
51 37.0 27.4 41.2
86 68.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 4.561 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

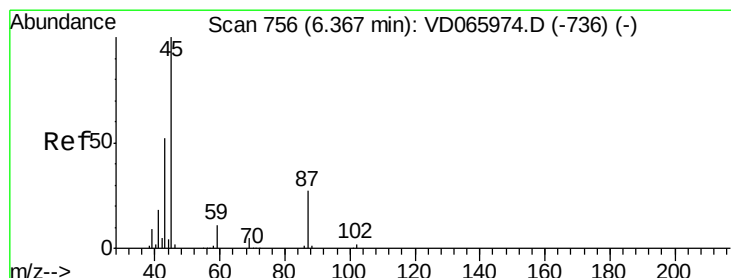
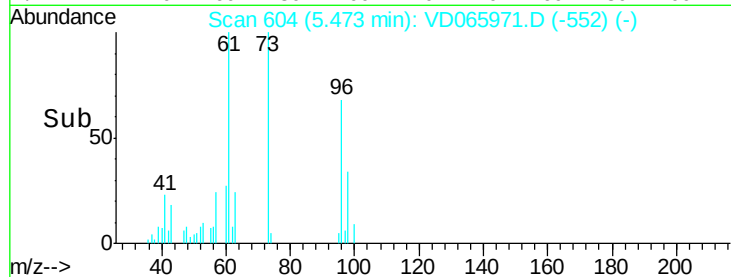
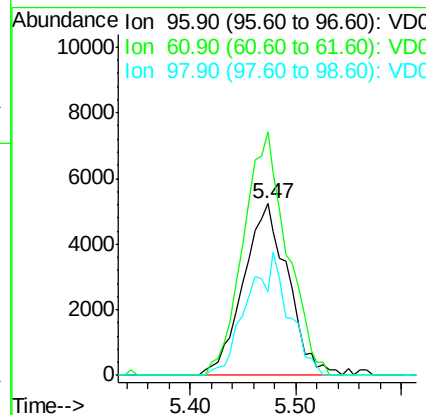
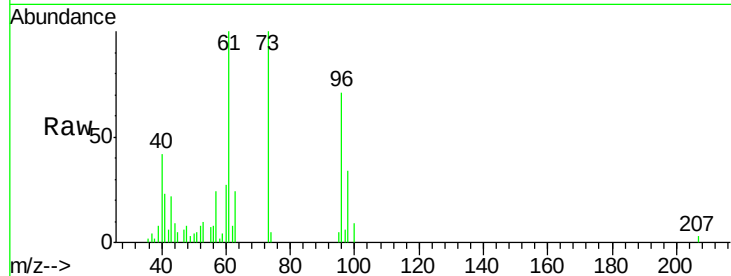
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	100.5	150.7
98	48.5	49.7	74.5#

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#22

Diisopropyl ether

Concen: 4.520 ug/l

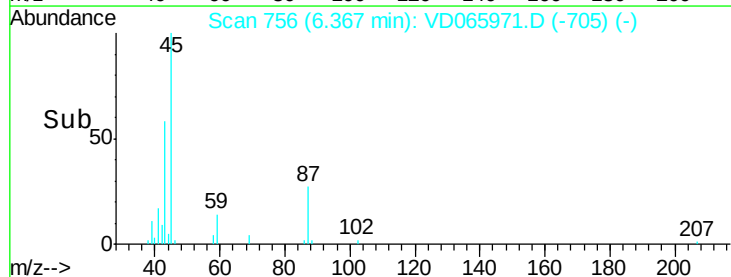
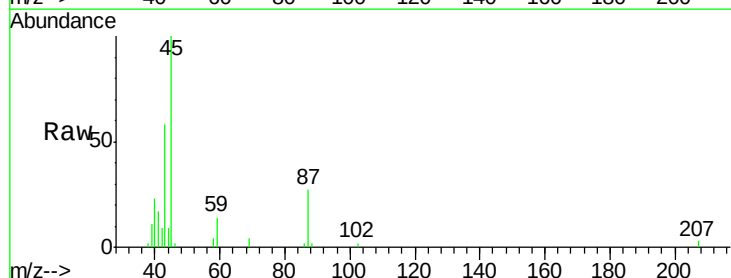
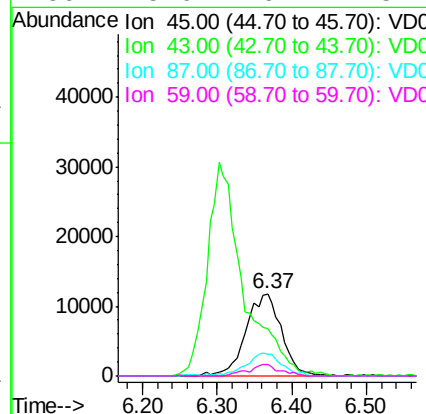
RT: 6.37 min Scan# 756

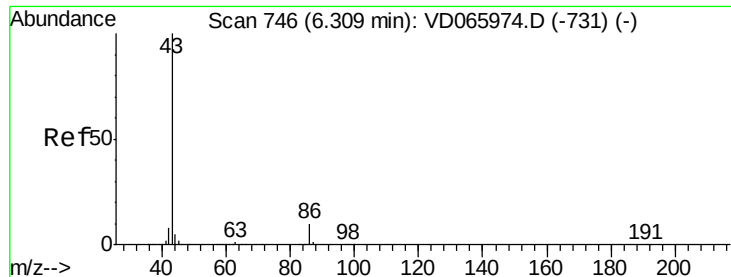
Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	43.0	64.4
87	27.1	22.0	33.0
59	13.6	9.1	13.7





#23

Vinyl Acetate

Concen: 21.848 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 103755

Ion Ratio Lower Upper

43 100

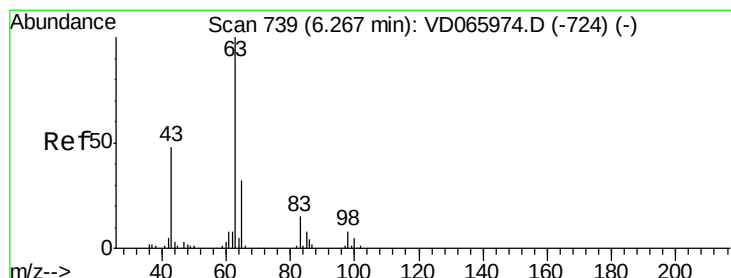
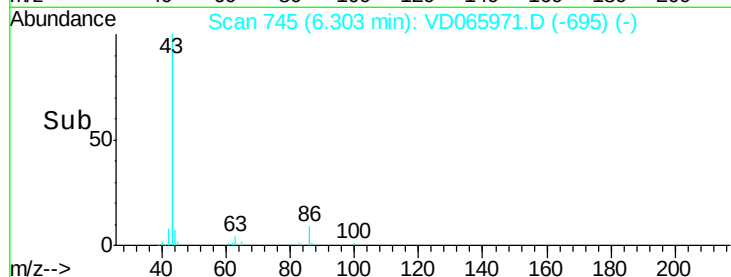
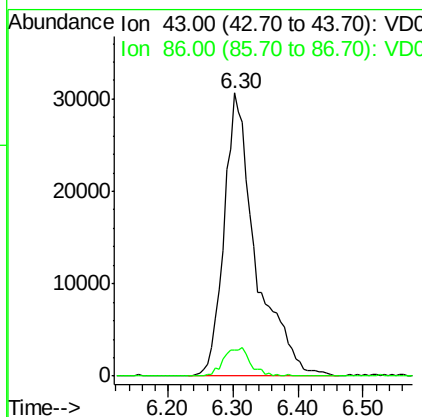
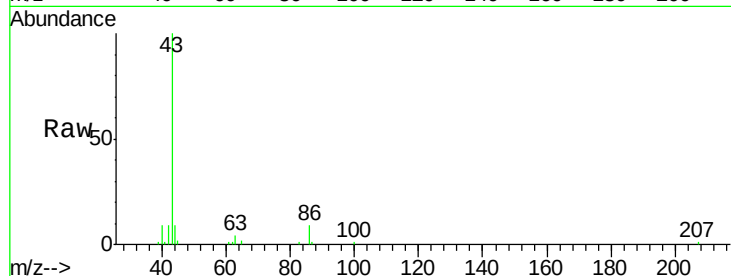
86 9.4 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 4.646 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

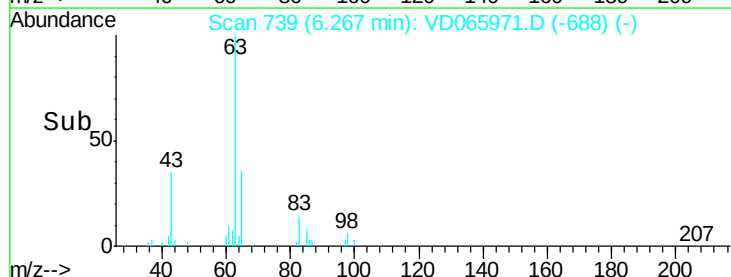
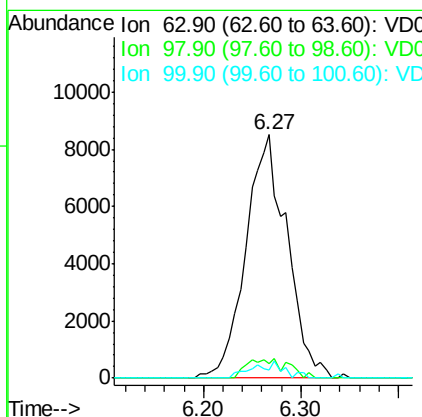
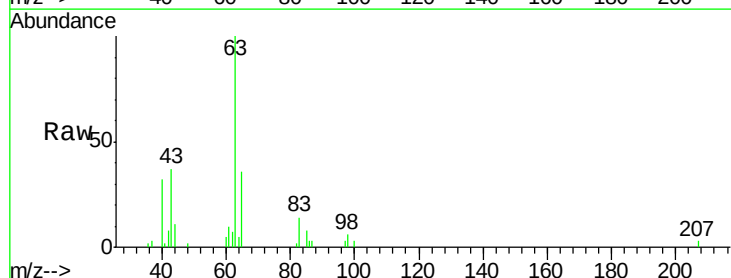
Tgt Ion: 63 Resp: 25148

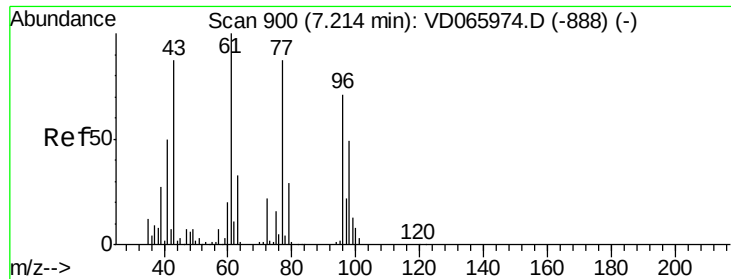
Ion Ratio Lower Upper

63 100

98 6.0 4.3 12.8

100 3.2 2.5 7.5





#25

2-Butanone

Concen: 24.860 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 19311

Ion Ratio Lower Upper

43 100

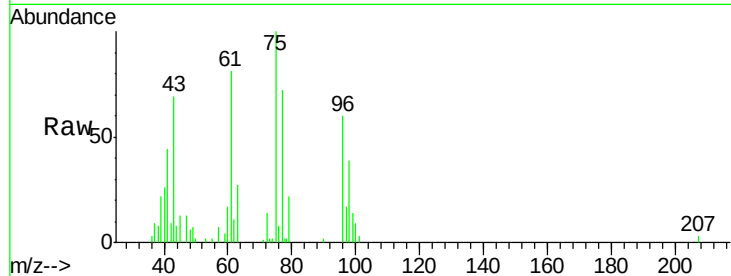
72 20.7 20.2 30.2

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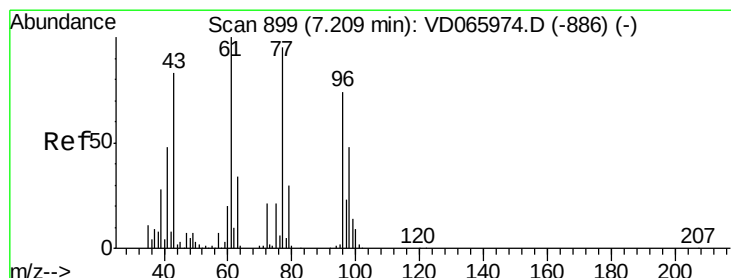
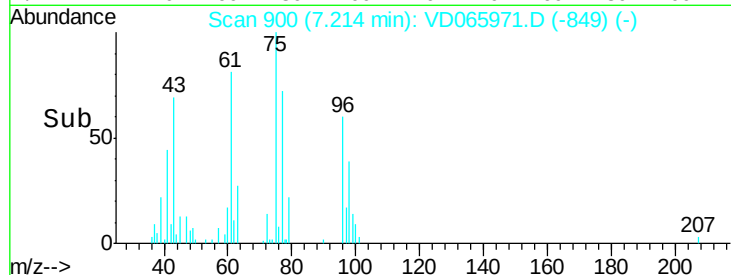
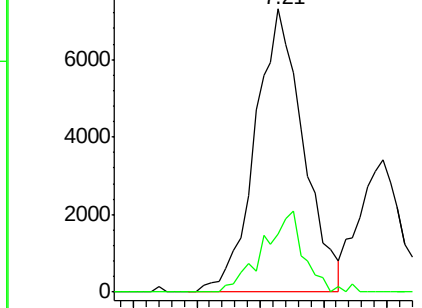
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.701 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD065971.D

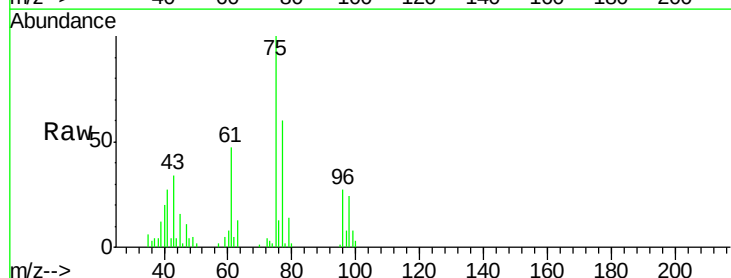
Acq: 21 Jul 2020 09:55

Tgt Ion: 77 Resp: 23358

Ion Ratio Lower Upper

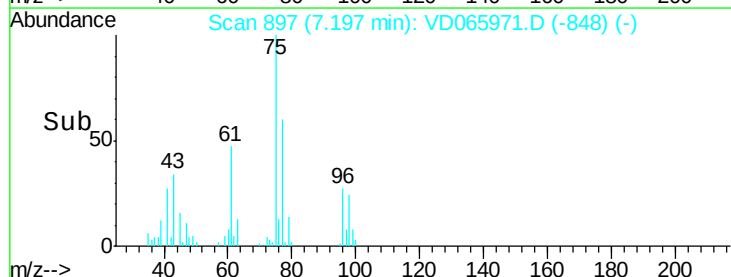
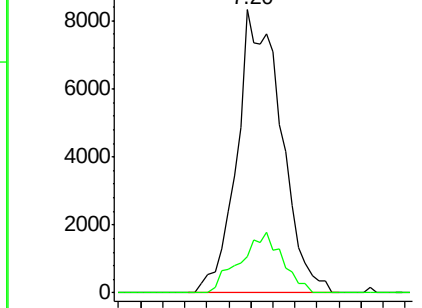
77 100

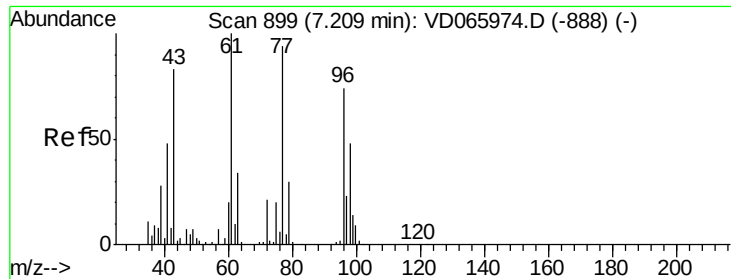
97 20.5 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

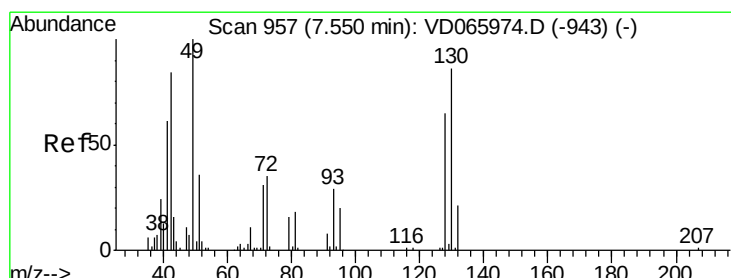
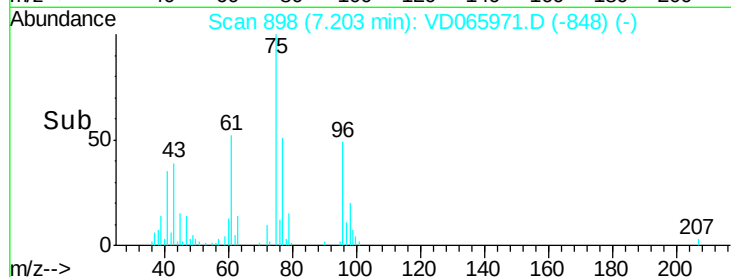
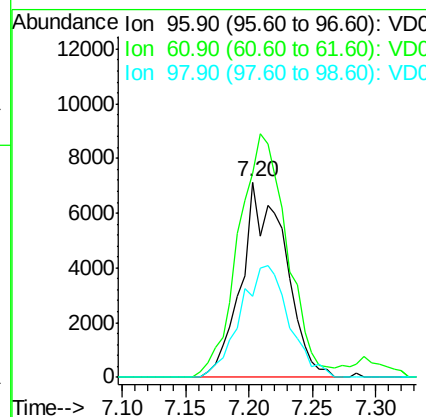
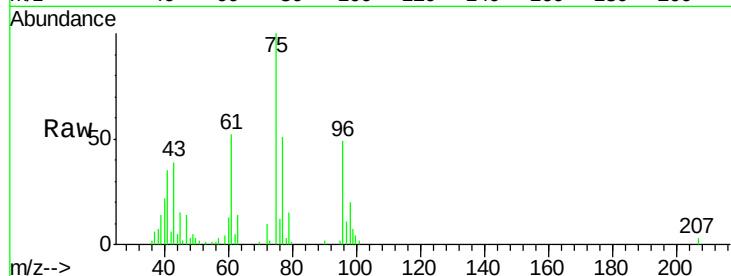
cis-1,2-Dichloroethene
Concen: 4.851 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	276.6
98	64.0	0.0	130.8

Manual Integrations
APPROVED

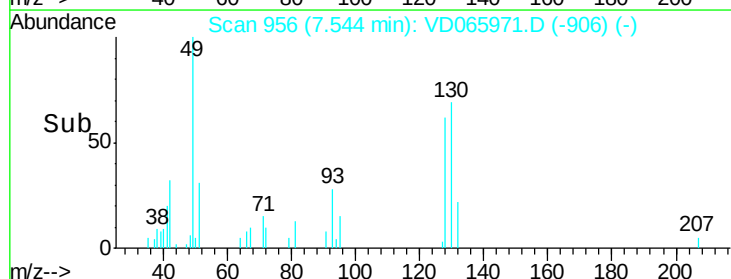
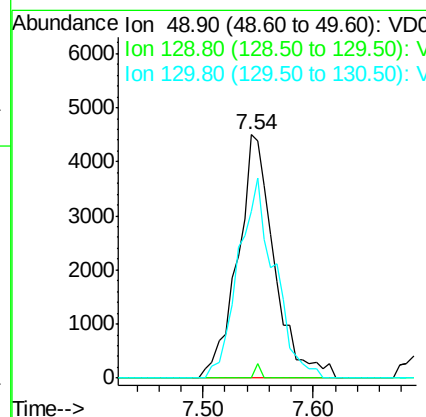
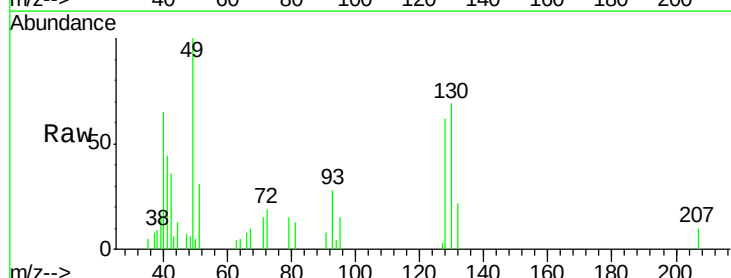
MMDadoda
7/22/2020 2:44:15 PM

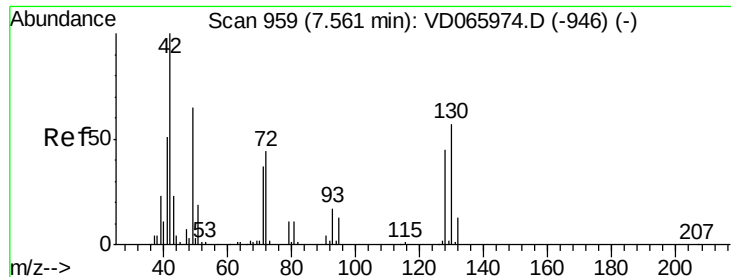


#28

Bromochloromethane
Concen: 4.661 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.8
130	82.1	68.4	102.6





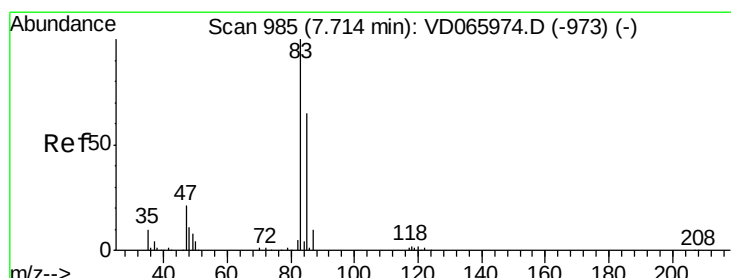
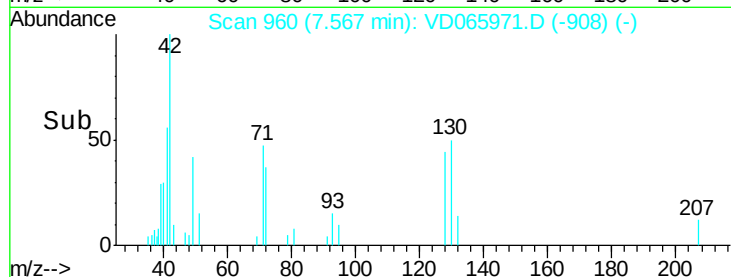
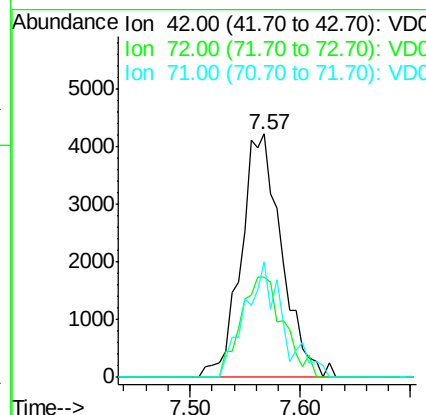
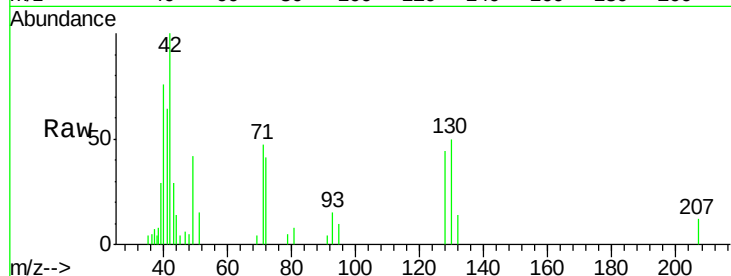
#29
Tetrahydrofuran
Concen: 22.928 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.2	51.2
71	40.1	31.4	47.2

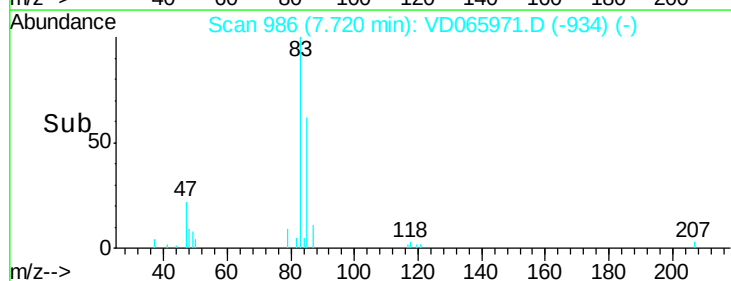
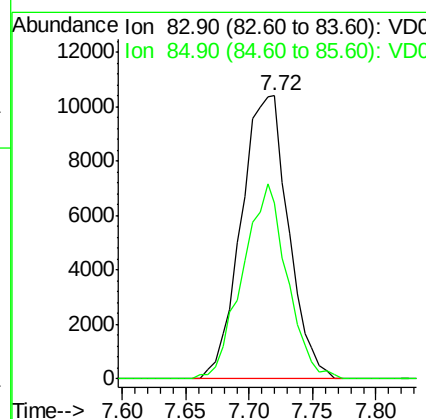
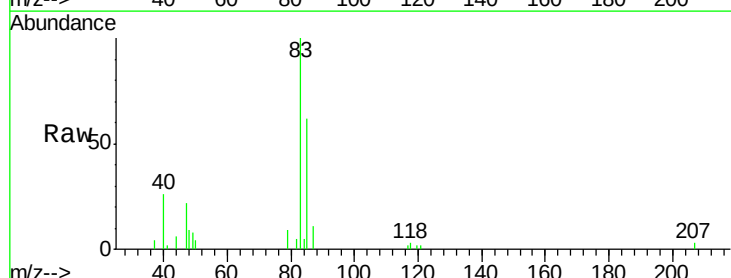
Manual Integrations
APPROVED

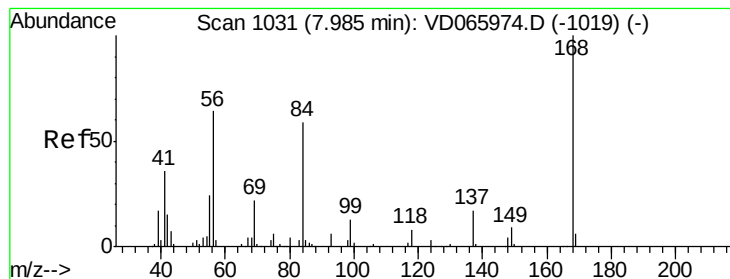
MMDadoda
7/22/2020 2:44:15 PM



#30
Chloroform
Concen: 4.803 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.1	78.1





#31

Cyclohexane

Concen: 5.234 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 28436

Ion Ratio Lower Upper

56 100

69 63.3 28.0 42.0#

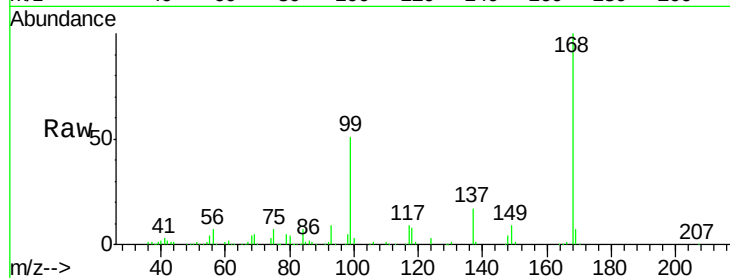
84 103.1 72.6 109.0

Manual Integrations

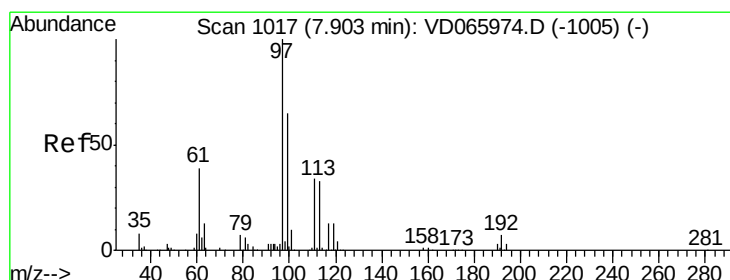
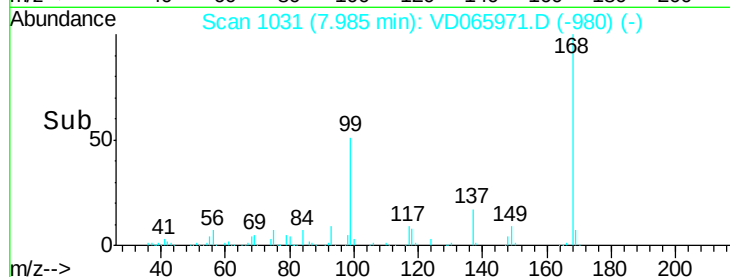
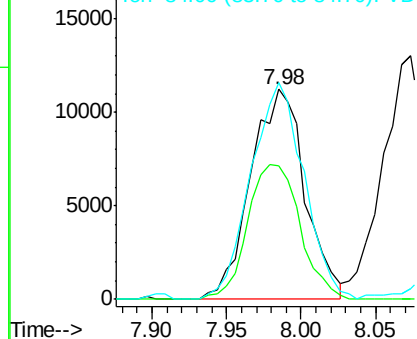
APPROVED

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7/22/2020 2:44:15 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 4.757 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

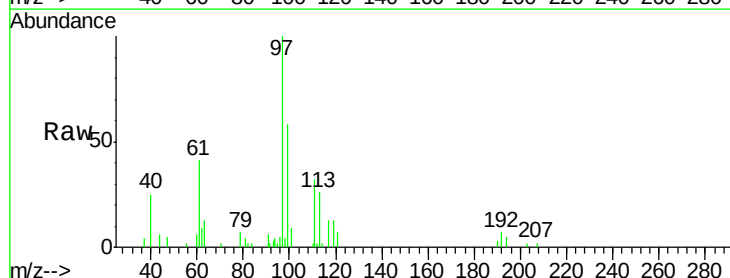
Tgt Ion: 97 Resp: 24990

Ion Ratio Lower Upper

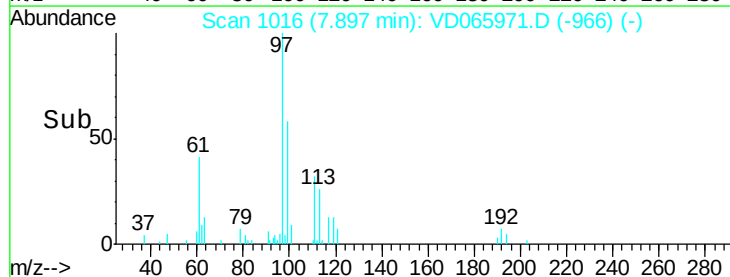
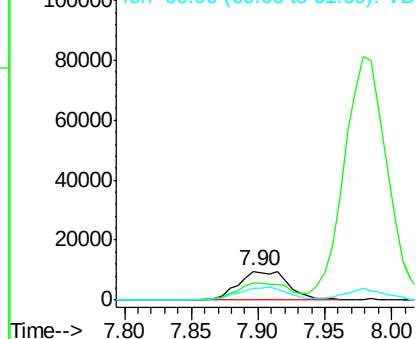
97 100

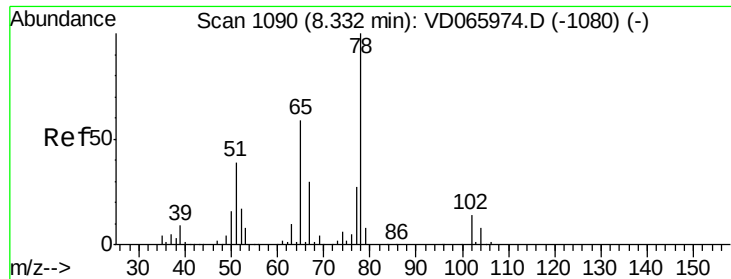
99 65.7 51.8 77.6

61 44.5 33.3 49.9



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





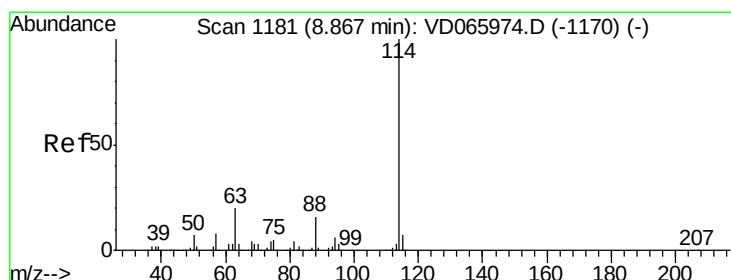
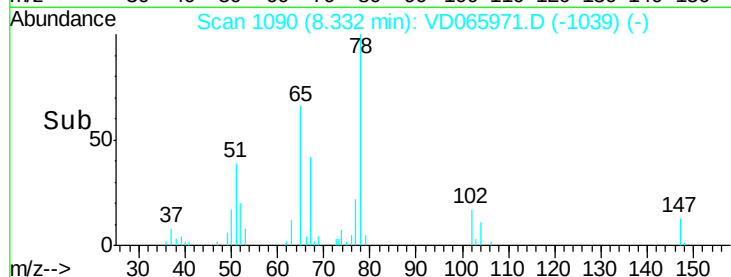
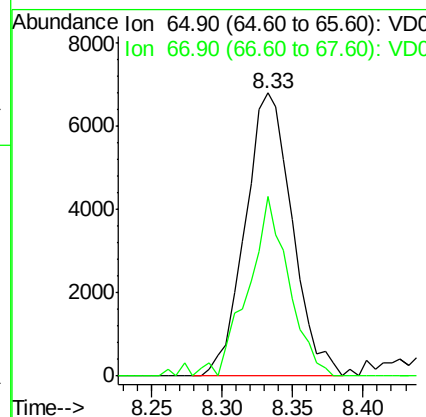
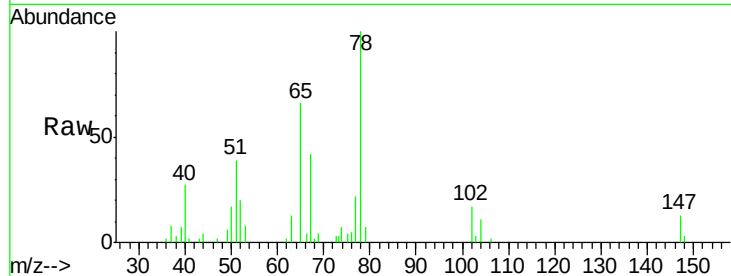
#33
 1,2-Dichloroethane-d4
 Concen: 5.419 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	15818		
67	54.9	0.0	105.0	

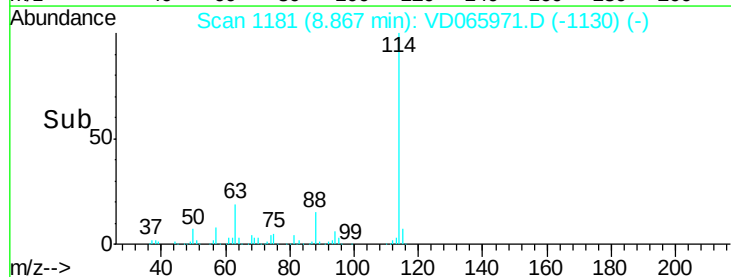
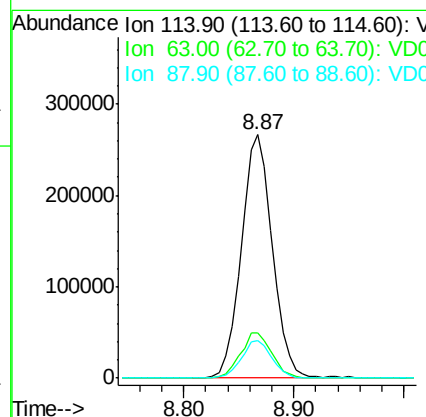
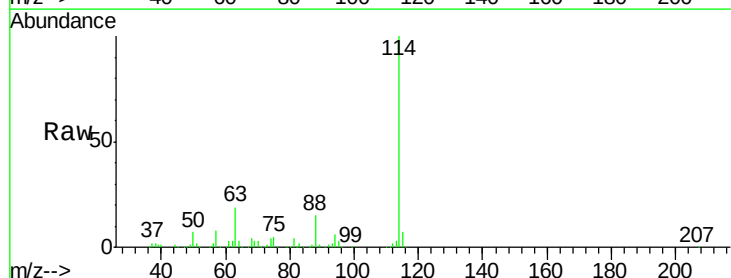
Manual Integrations
 APPROVED

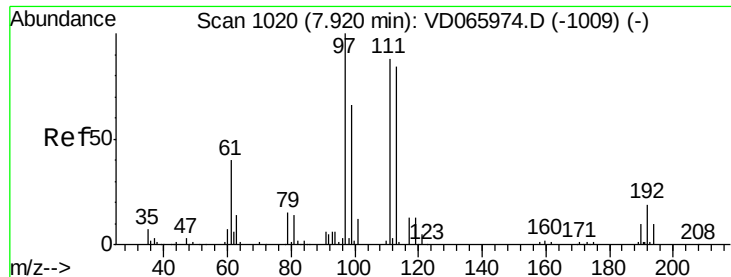
MMDadoda
 7/22/2020 2:44:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	526450		
63	18.8	0.0	39.6	
88	15.4	0.0	31.2	





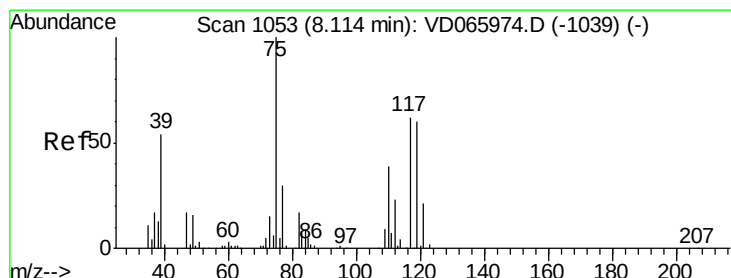
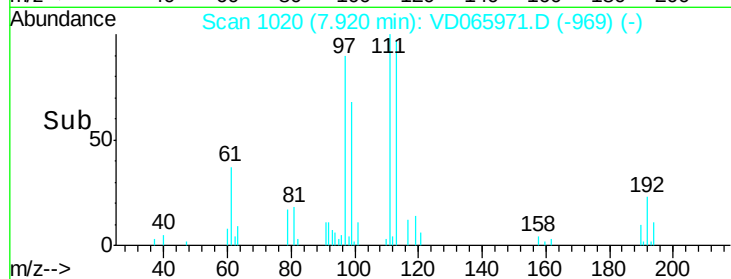
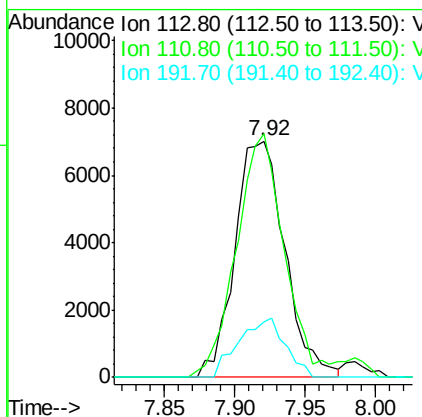
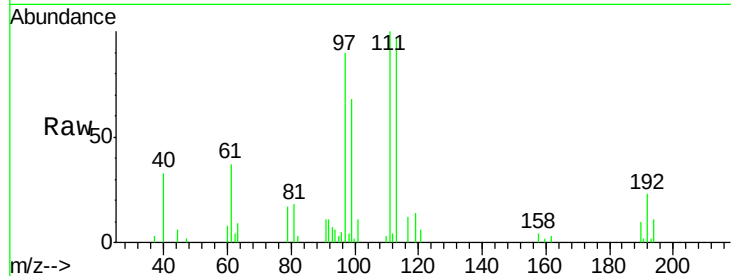
#35
 Dibromofluoromethane
 Concen: 5.504 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.4	83.2	124.8
192	23.2	18.7	28.1

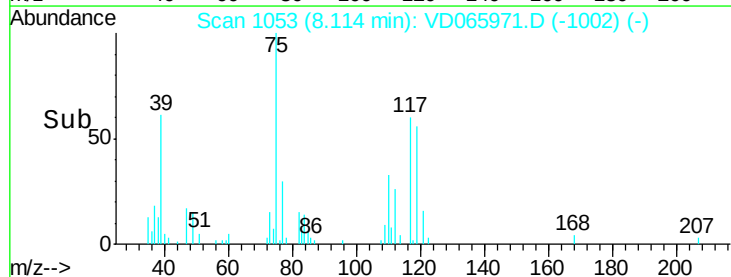
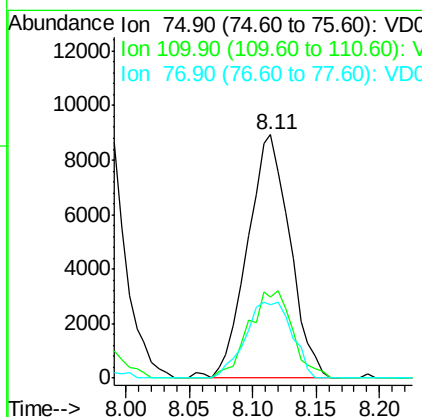
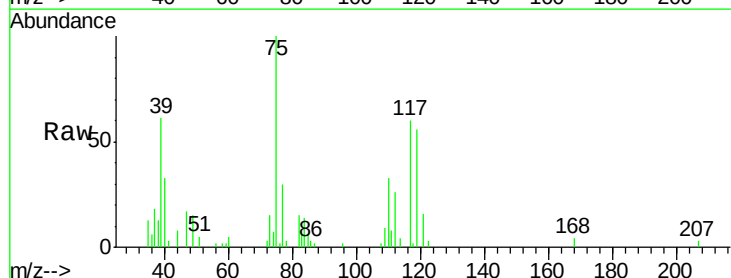
Manual Integrations
 APPROVED

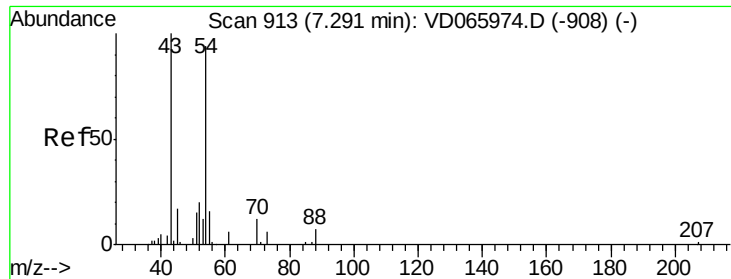
MMDadoda
 7/22/2020 2:44:15 PM



#36
 1,1-Dichloropropene
 Concen: 4.550 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	19.5	58.5
77	34.4	24.7	37.1





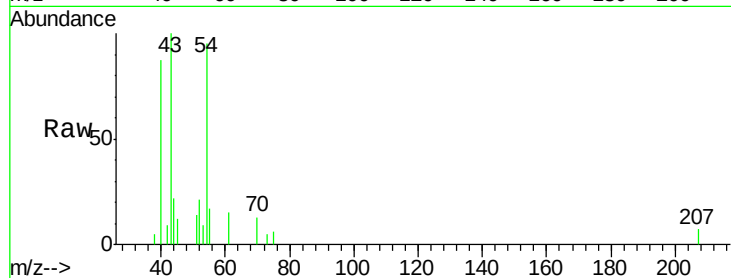
#37
Ethyl Acetate
Concen: 4.261 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.0
70	12.4	9.3	13.9

Manual Integrations
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7/22/2020 2:44:15 PM

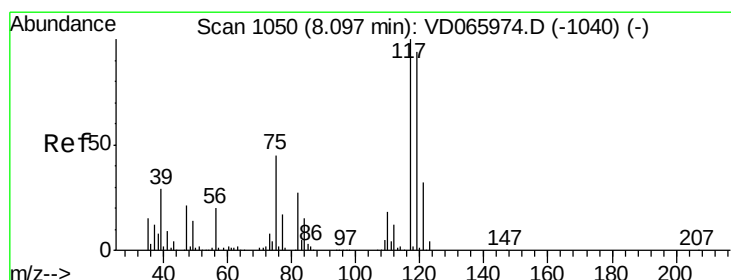
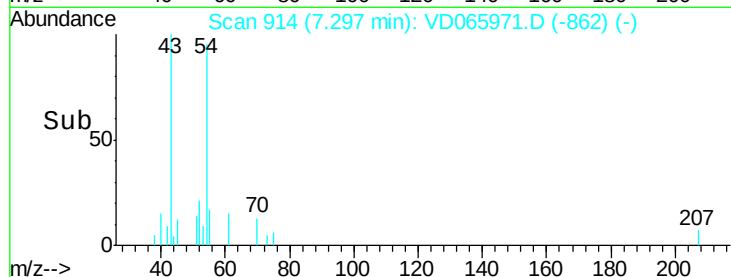
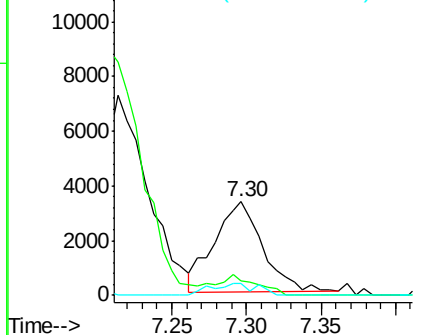


Abundance

Ion 43.00 (42.70 to 43.70): VDC

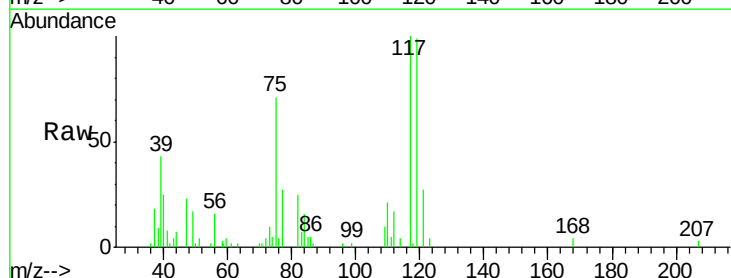
Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38
Carbon Tetrachloride
Concen: 4.714 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	75.0	112.6
121	27.5	25.5	38.3

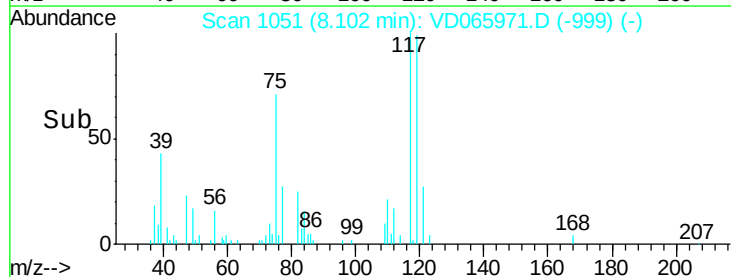
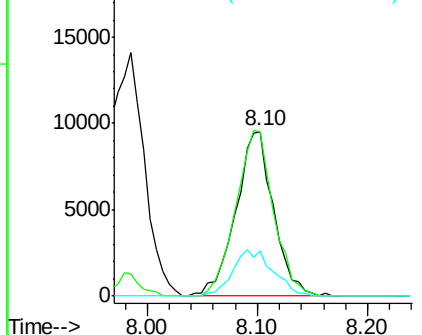


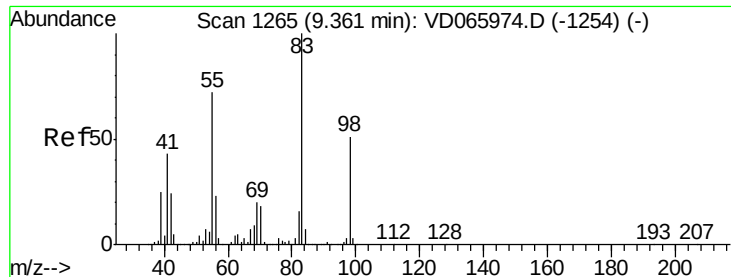
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





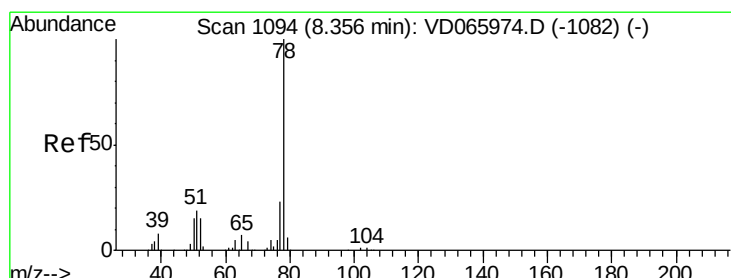
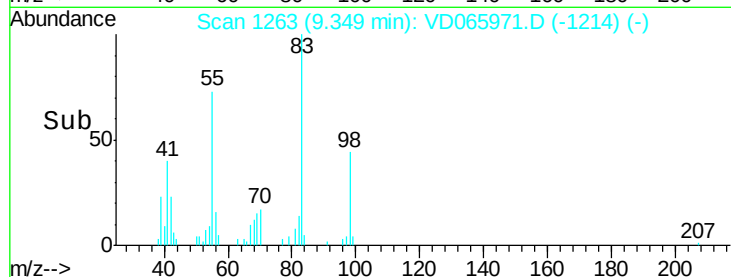
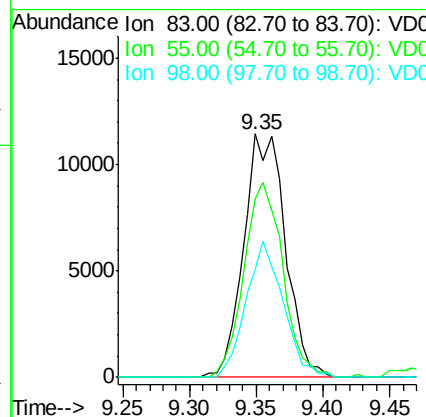
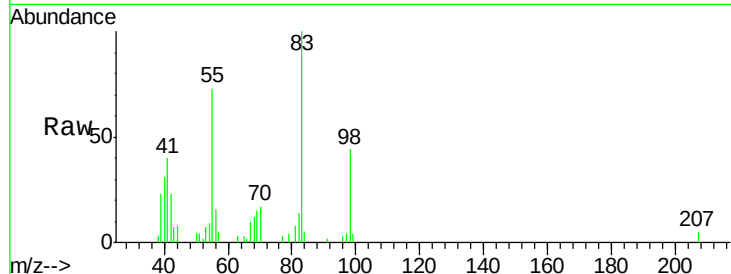
#39
Methylvlcyclohexane
Concen: 4.552 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	24647
Ion Ratio	Lower	Upper	
83	100		
55	73.2	57.3	85.9
98	44.4	41.0	61.6

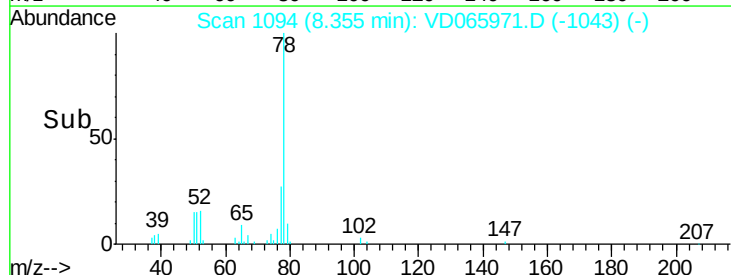
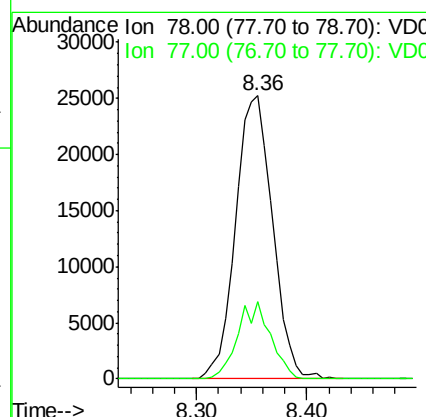
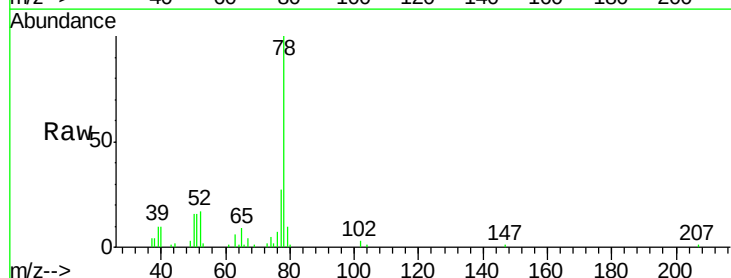
Manual Integrations
APPROVED

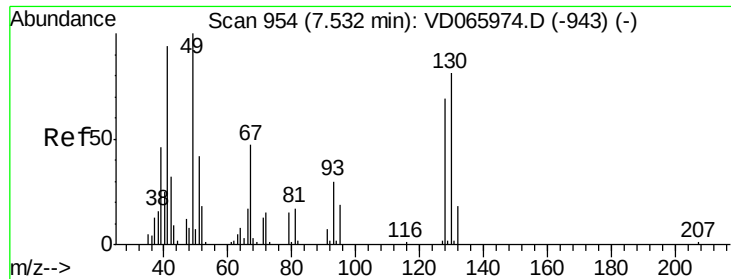
MMDadoda
7/22/2020 2:44:15 PM



#40
Benzene
Concen: 4.677 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	78	Resp	59301
Ion Ratio	Lower	Upper	
78	100		
77	27.4	18.6	27.8





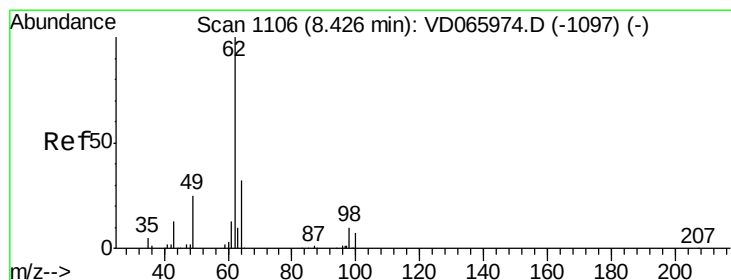
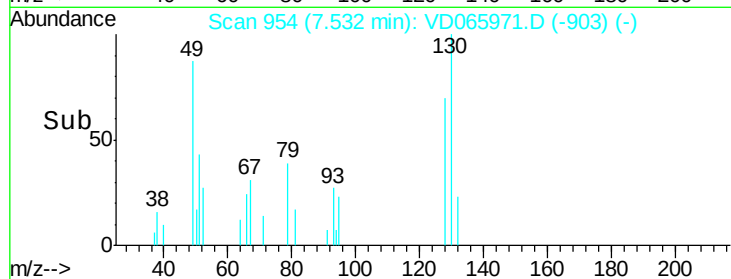
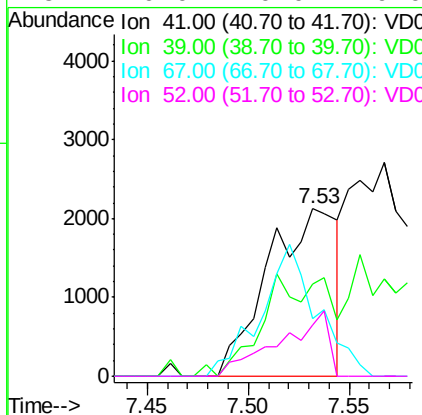
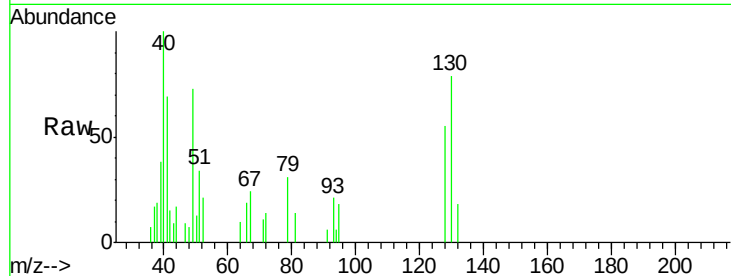
#41
Methacrylonitrile
Concen: 3.847 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	5044
Ion	Ratio	Lower	Upper
41	100		
39	64.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

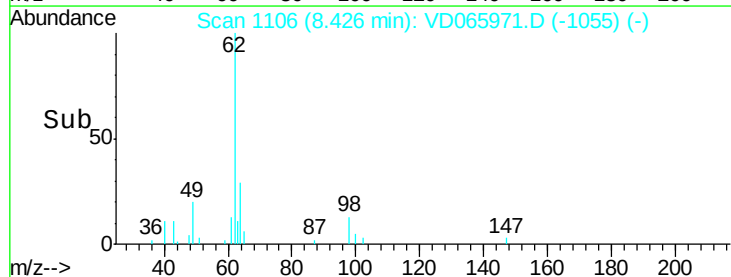
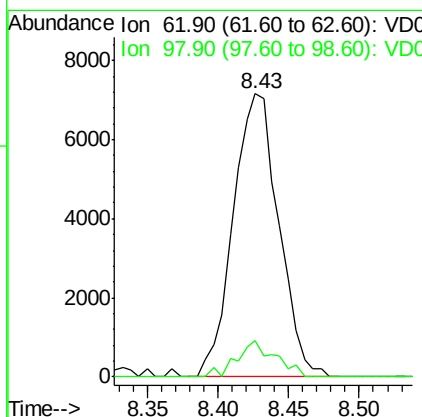
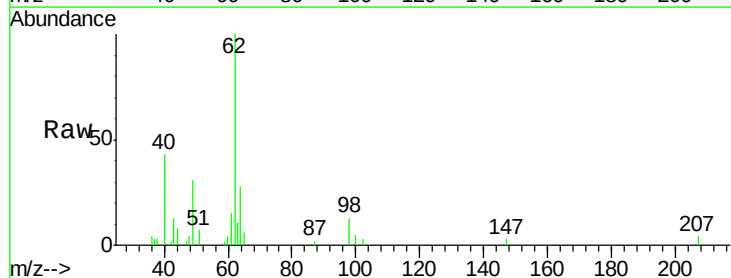
Manual Integrations
APPROVED

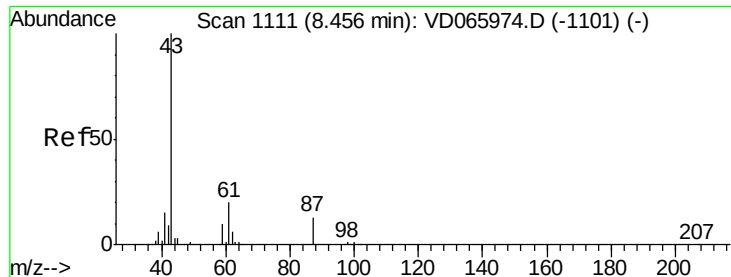
MMDadoda
7/22/2020 2:44:15 PM



#42
1,2-Dichloroethane
Concen: 4.632 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion:	62	Resp:	16143
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0





#43

Isopropyl Acetate

Concen: 4.792 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

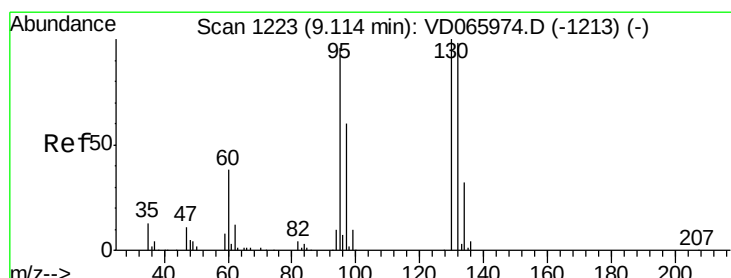
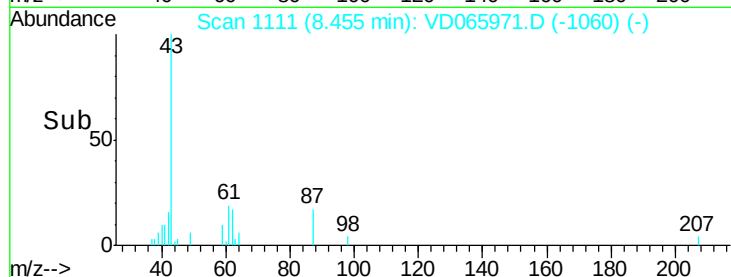
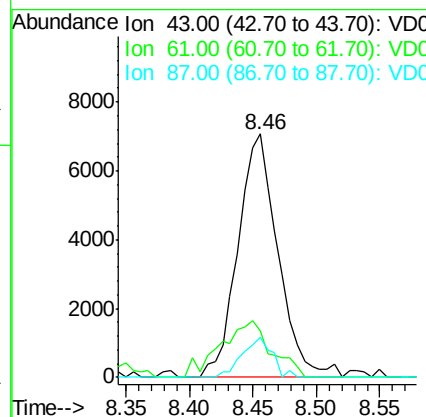
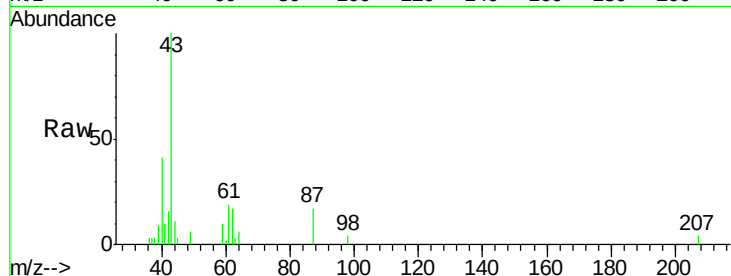
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	15468
Ion	Ratio	Lower	Upper
43	100		
61	29.6	25.8	38.8
87	12.4	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 4.801 ug/l

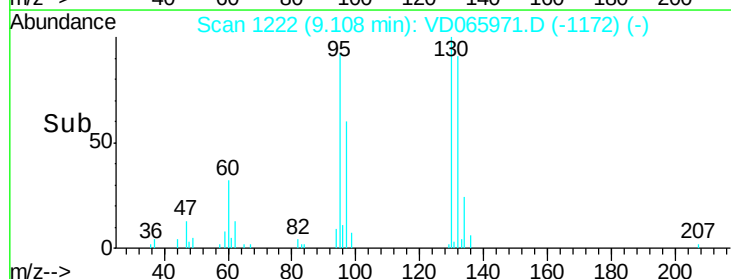
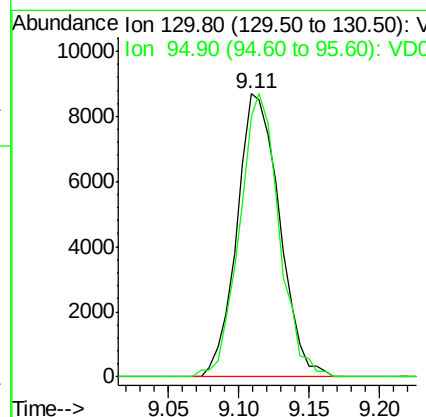
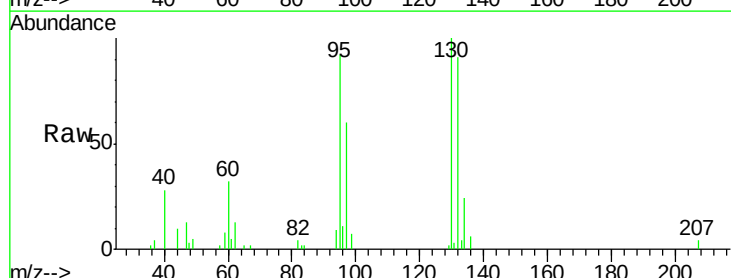
RT: 9.11 min Scan# 1222

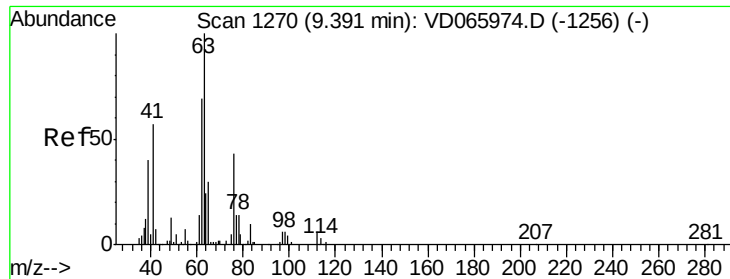
Delta R.T. -0.01 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Tgt Ion:	130	Resp:	18314
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	191.6





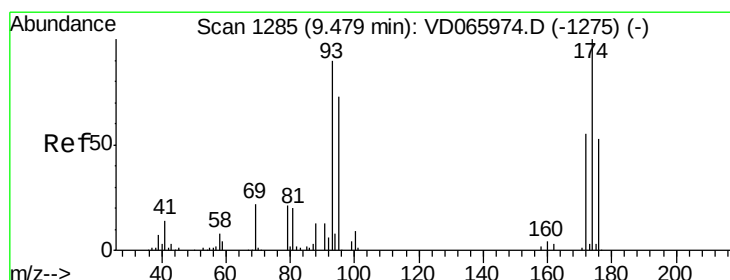
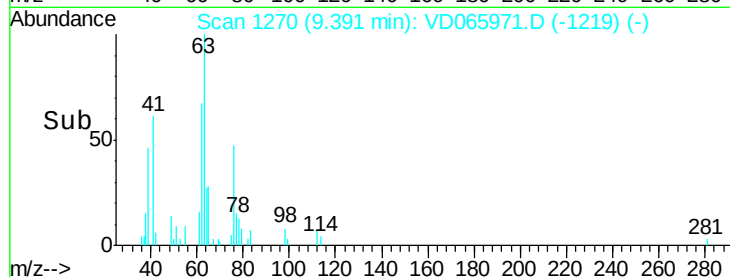
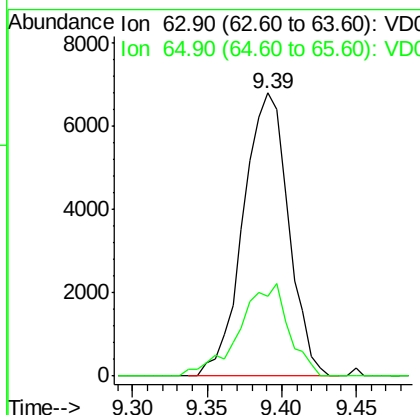
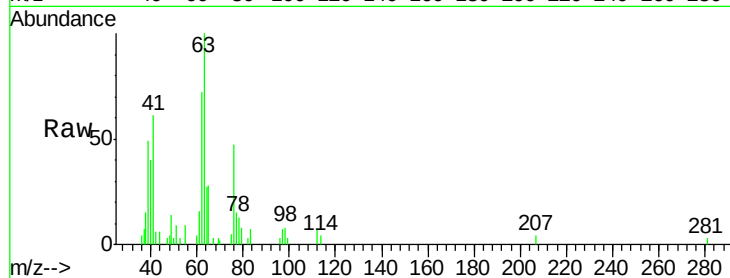
#45
 1,2-Dichloropropane
 Concen: 4.684 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 14244
 Ion Ratio Lower Upper
 63 100
 65 28.2 24.0 36.0

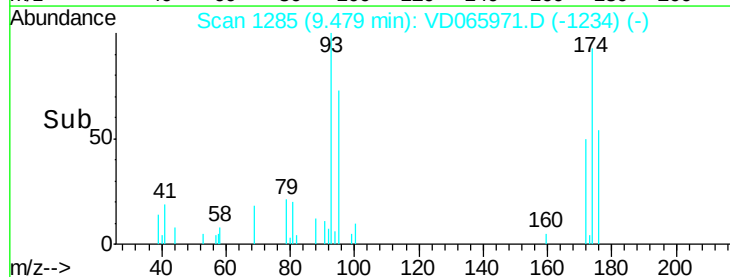
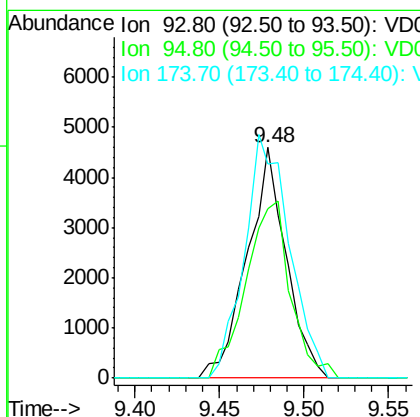
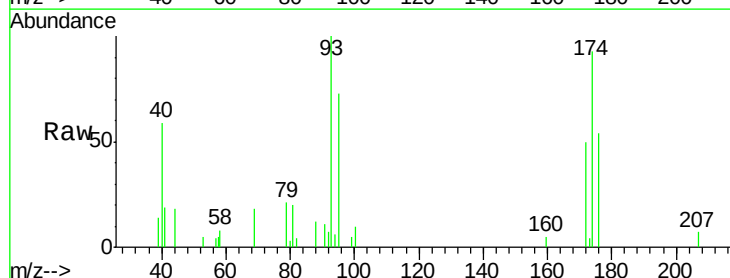
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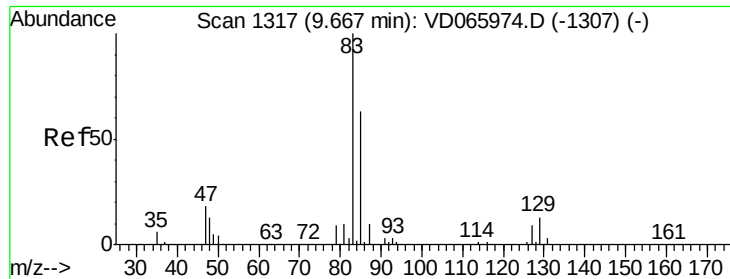
MMDadoda
 7/22/2020 2:44:15 PM



#46
 Dibromomethane
 Concen: 4.457 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Tgt Ion: 93 Resp: 7417
 Ion Ratio Lower Upper
 93 100
 95 87.2 66.2 99.4
 174 121.2 91.5 137.3





#47

Bromodichloromethane

Concen: 4.616 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

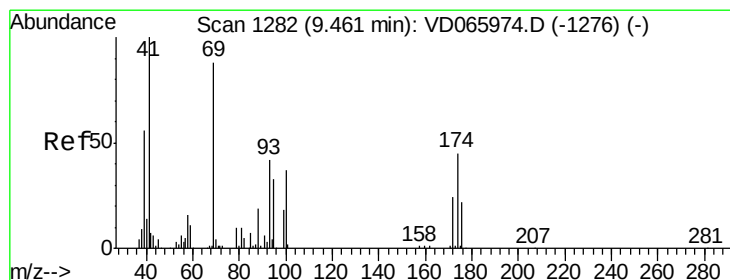
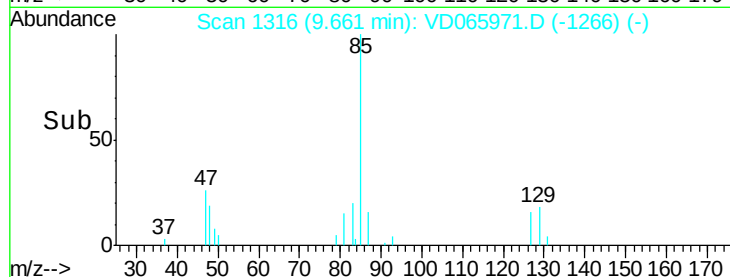
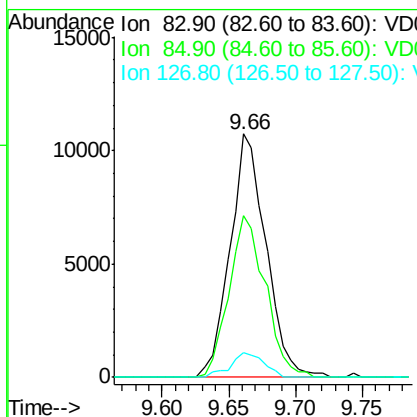
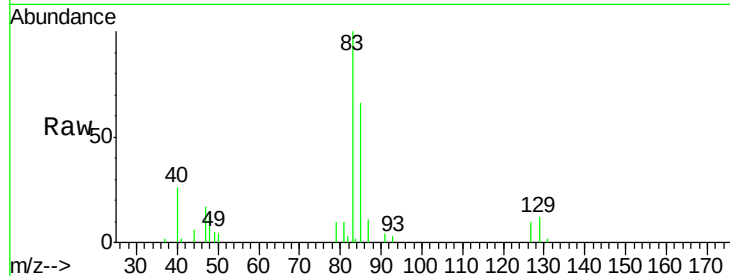
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	20133
Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.6	75.8
127	10.4	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.445 ug/l

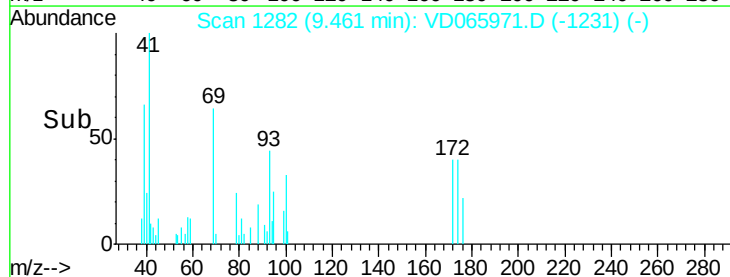
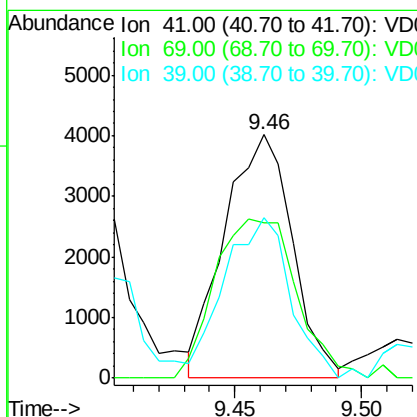
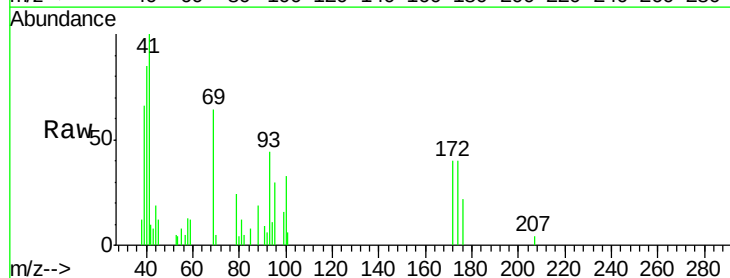
RT: 9.46 min Scan# 1282

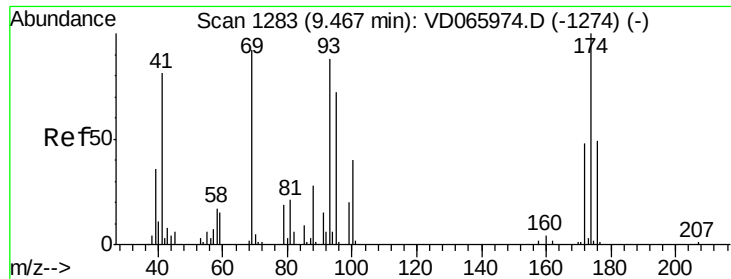
Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Tgt Ion:	41	Resp:	7473
Ion	Ratio	Lower	Upper
41	100		
69	78.7	65.1	97.7
39	64.8	41.5	62.3#





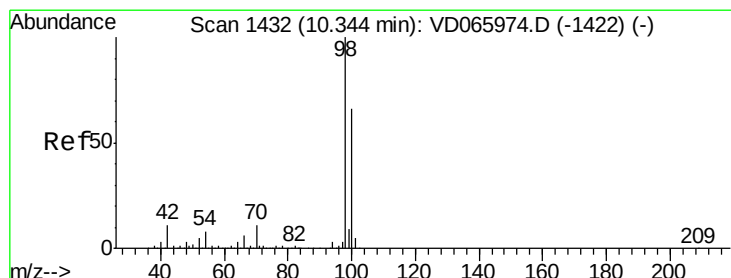
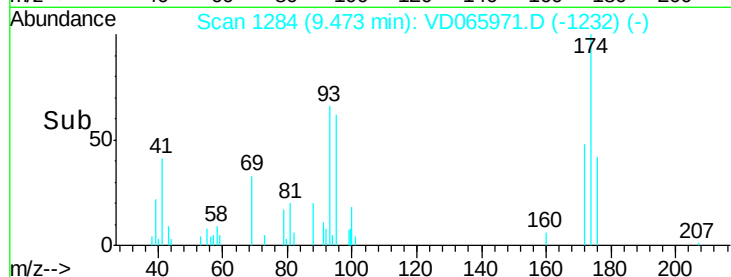
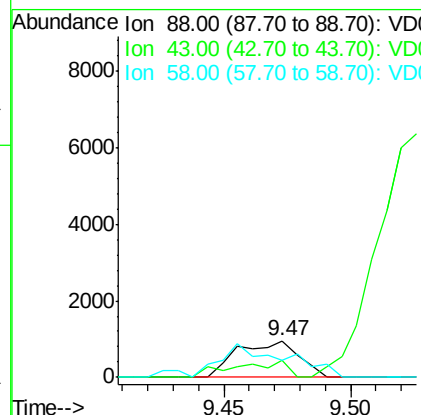
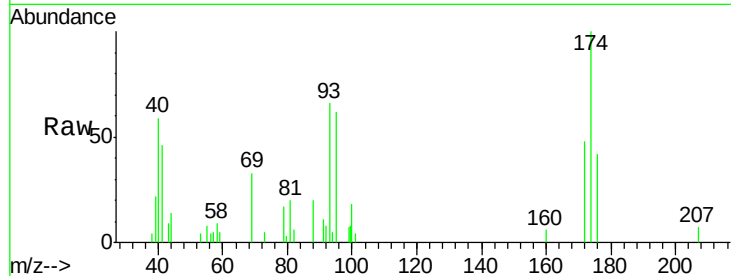
#49
1,4-Dioxane
Concen: 88.331 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	29.0	43.6
58	104.6	57.0	85.4

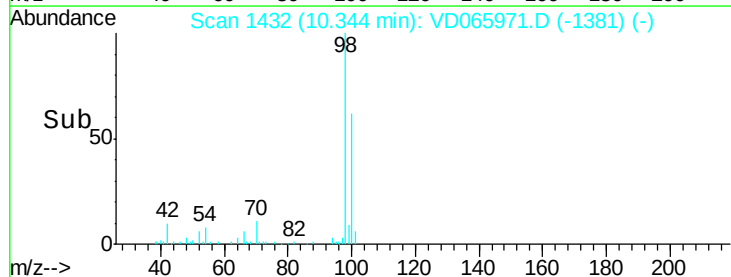
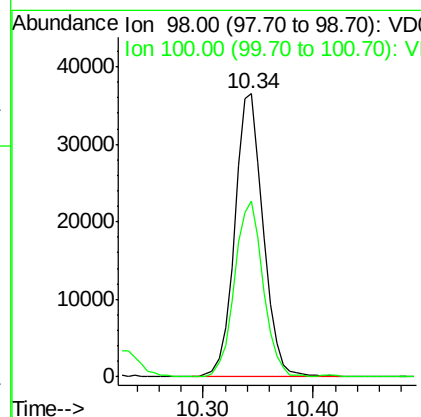
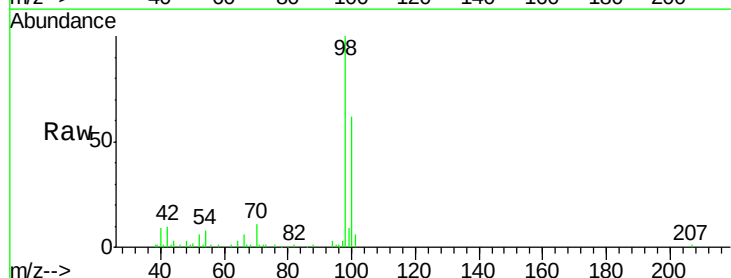
Manual Integrations
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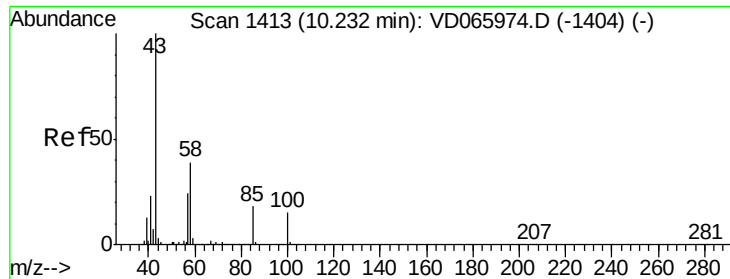
MMDadoda
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#50
Toluene-d8
Concen: 5.595 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	52.7	79.1





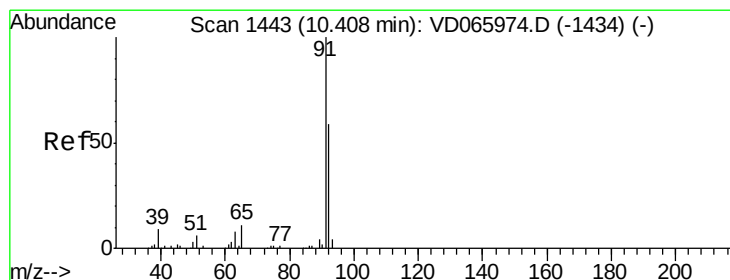
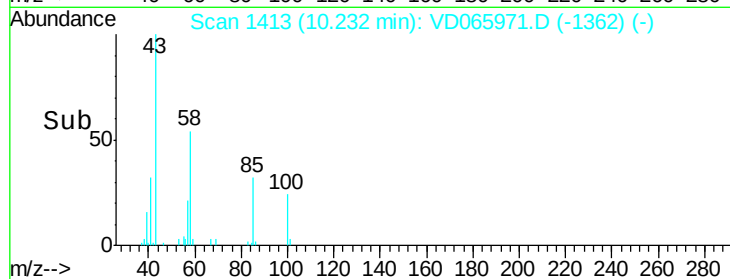
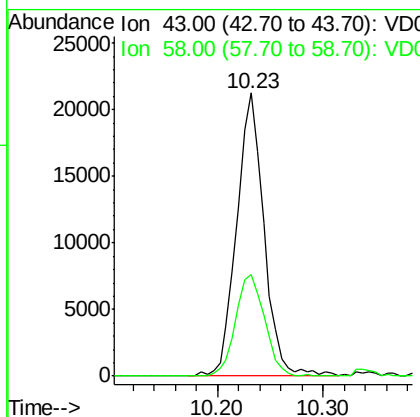
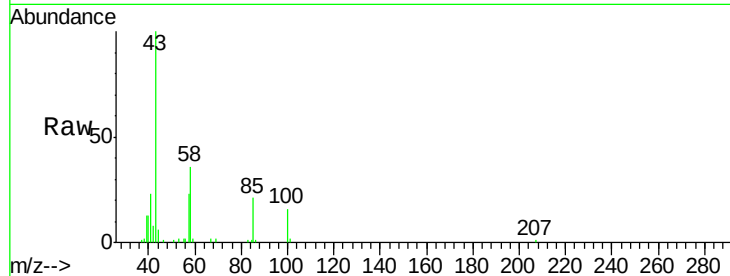
#51
4-Methyl-2-Pentanone
Concen: 23.087 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	31.3	46.9

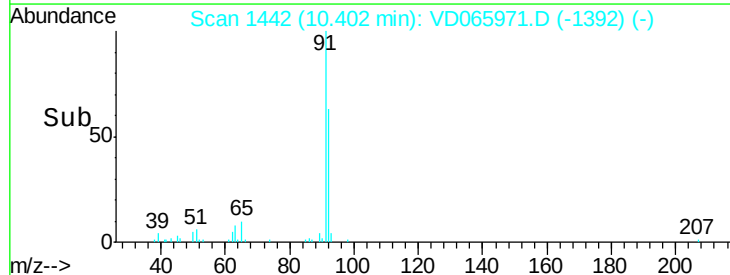
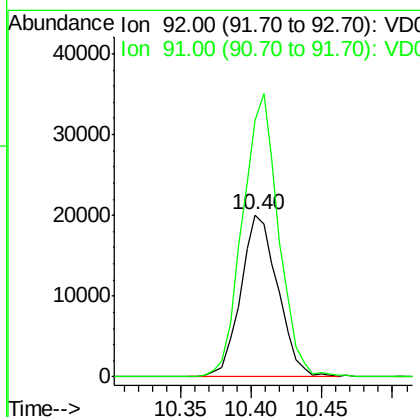
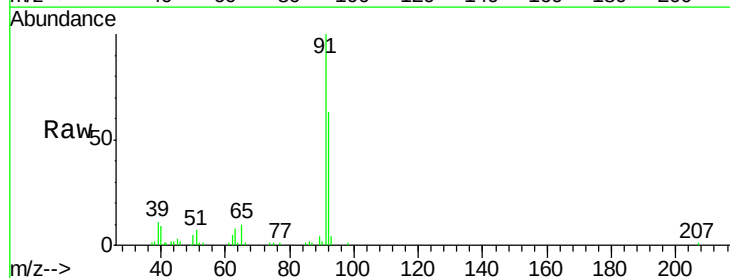
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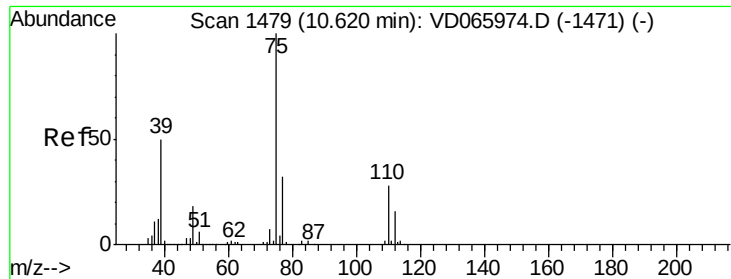
MMDadoda
7/22/2020 2:44:15 PM



#52
Toluene
Concen: 4.505 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.6	134.5	201.7





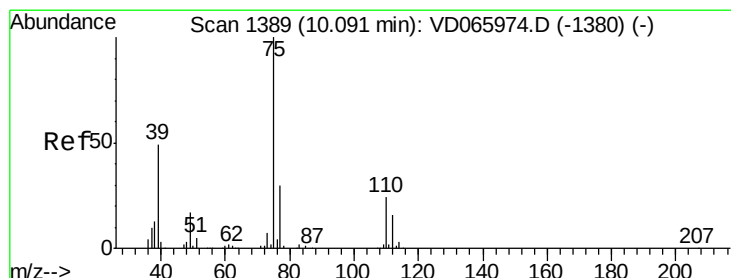
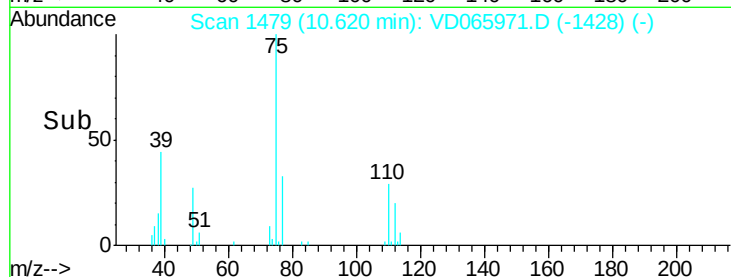
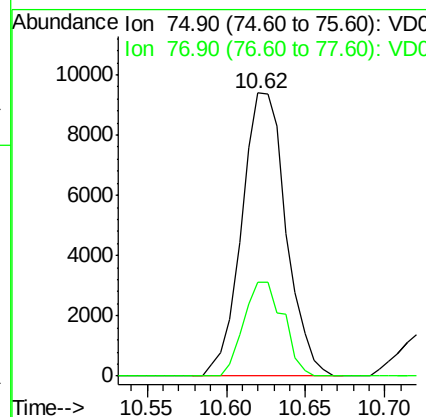
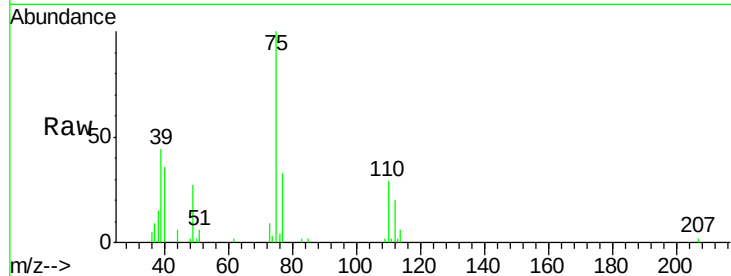
#53
t-1,3-Dichloropropene
Concen: 4.744 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 18288
Ion Ratio Lower Upper
75 100
77 33.3 25.8 38.6

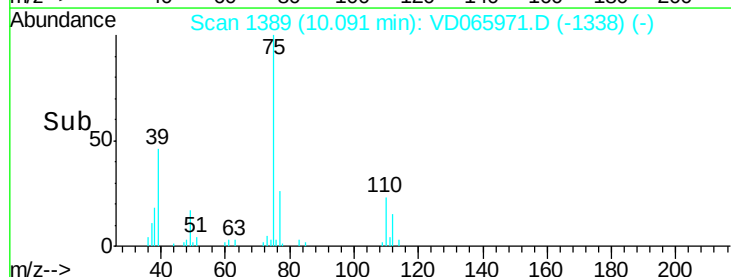
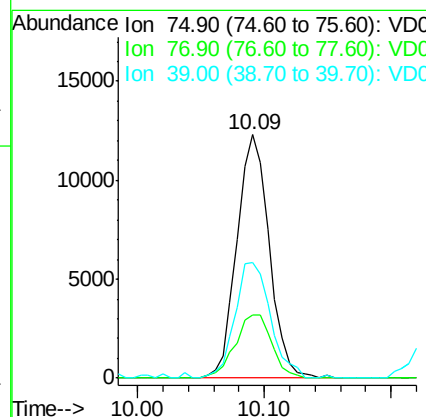
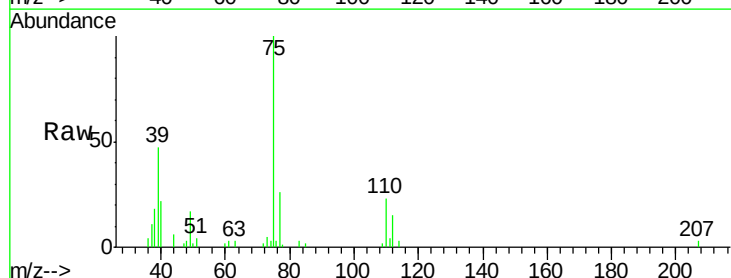
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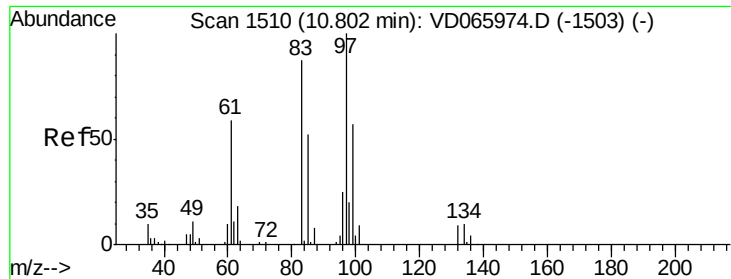
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.545 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion: 75 Resp: 21689
Ion Ratio Lower Upper
75 100
77 26.0 23.8 35.8
39 47.5 38.8 58.2





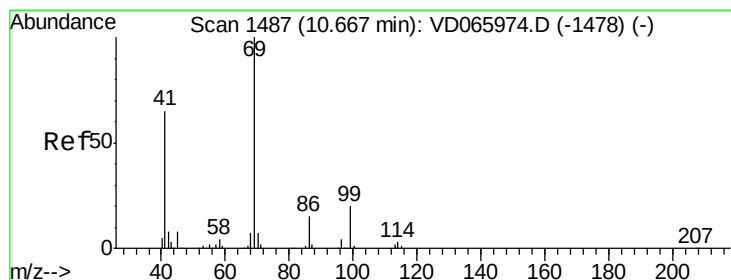
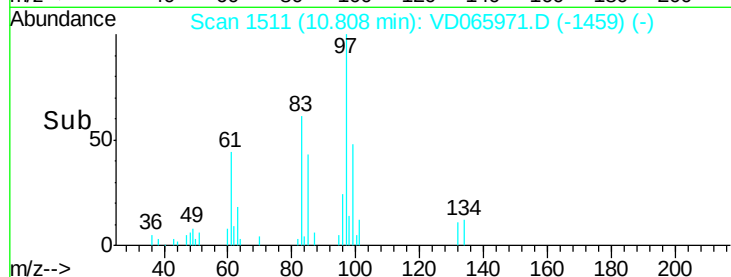
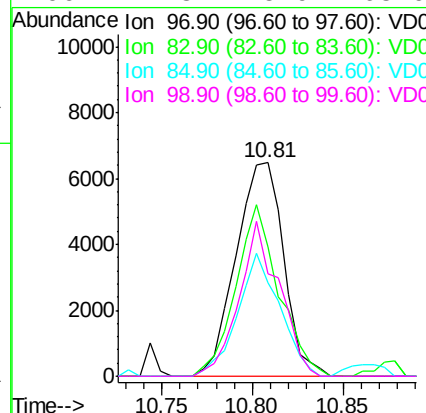
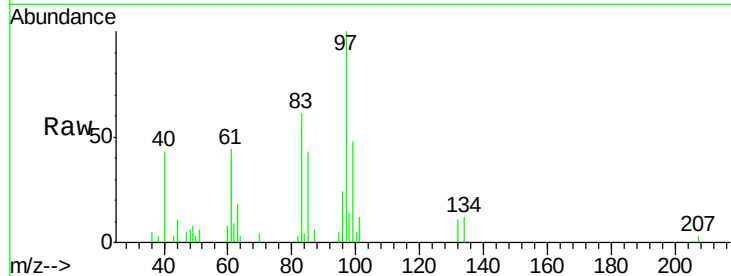
#55
 1,1,2-Trichloroethane
 Concen: 5.172 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	60.6	69.7	104.5#
85	43.5	41.6	62.4
99	47.8	45.9	68.9

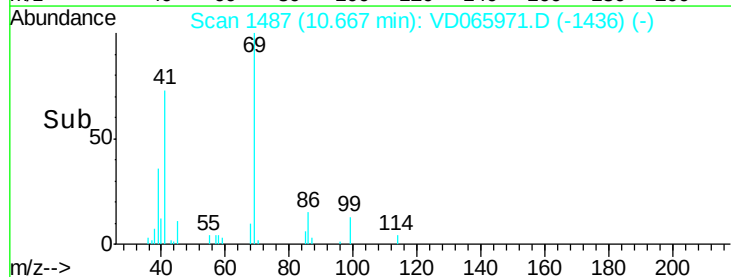
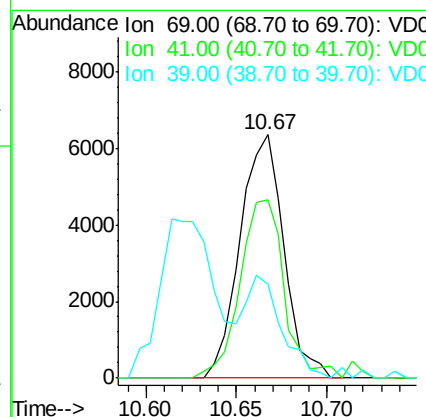
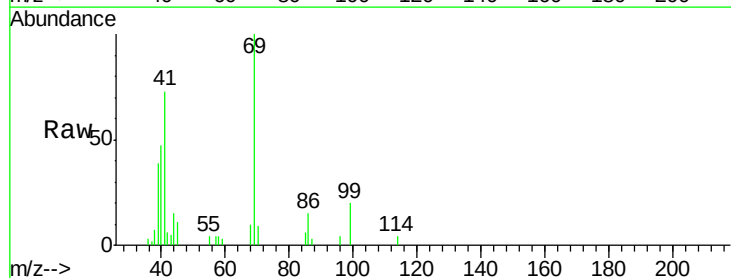
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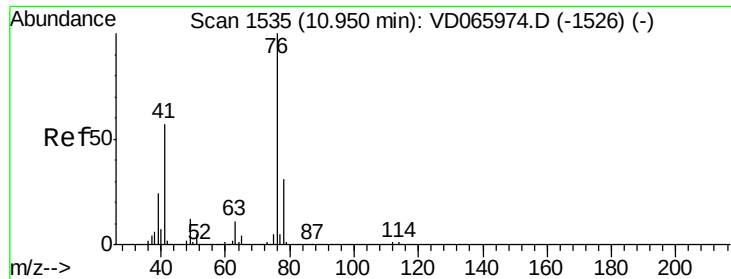
MMDadoda
 7/22/2020 2:44:15 PM



#56
 Ethyl methacrylate
 Concen: 4.148 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.1	52.3	78.5
39	34.7	25.2	37.8





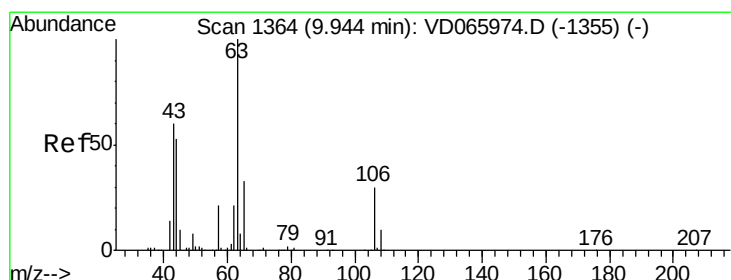
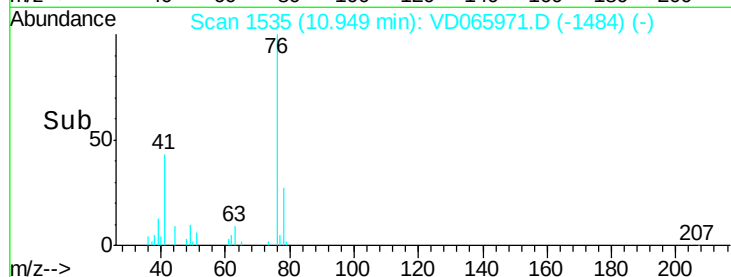
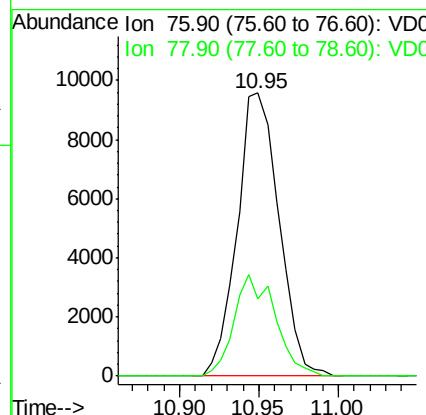
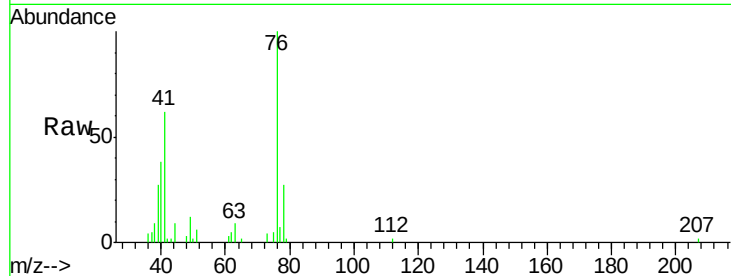
#57
 1,3-Dichloropropane
 Concen: 4.609 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 17562
 Ion Ratio Lower Upper
 76 100
 78 35.1 25.6 38.4

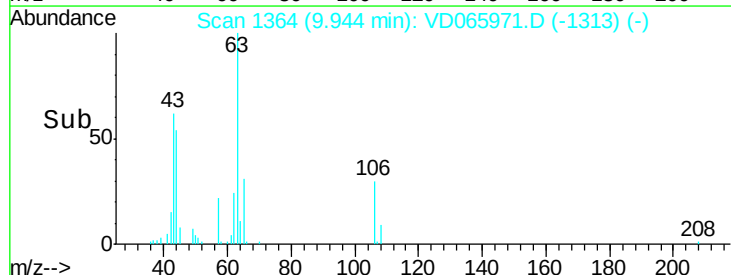
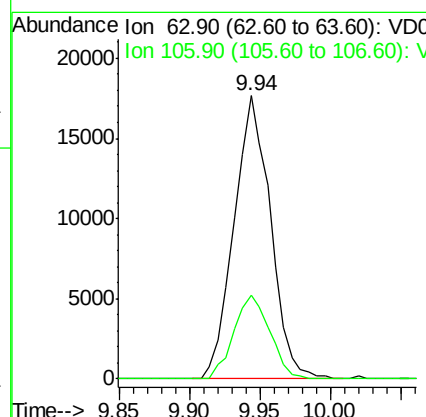
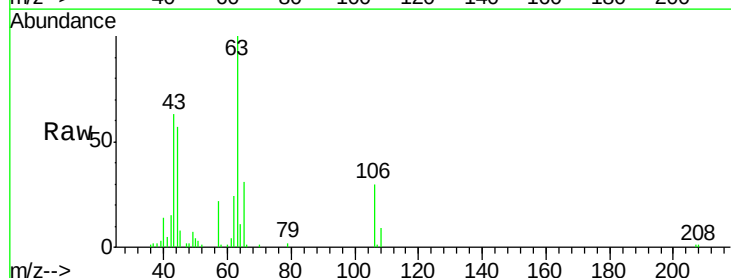
Manual Integrations
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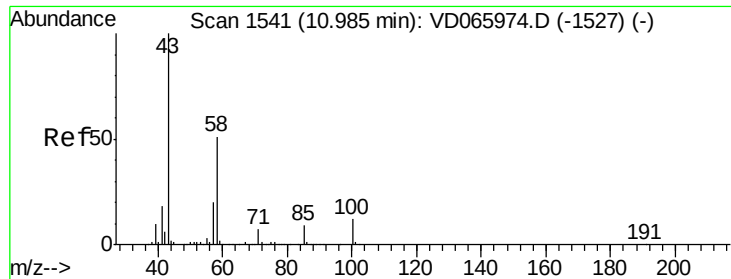
MMDadoda
 7/22/2020 2:44:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.382 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Tgt Ion: 63 Resp: 31889
 Ion Ratio Lower Upper
 63 100
 106 29.2 24.4 36.6





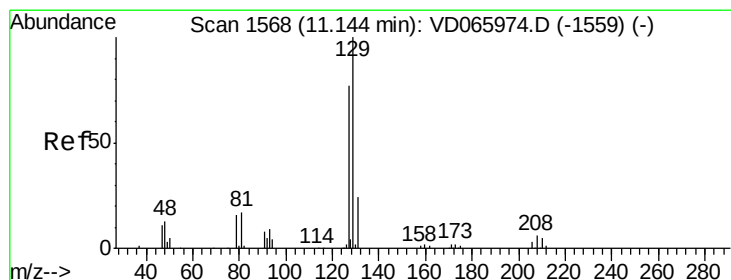
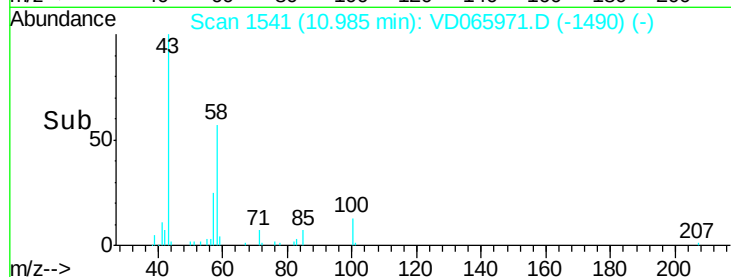
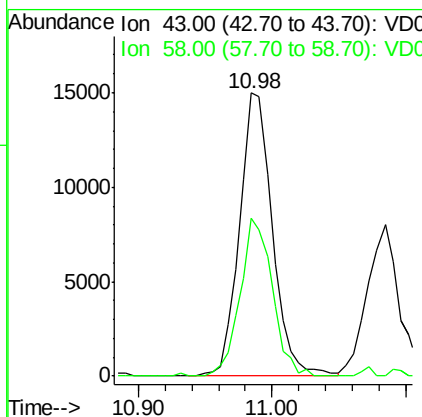
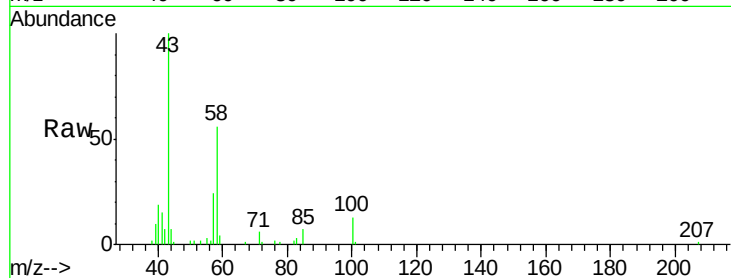
#59
2-Hexanone
Concen: 22.564 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 25555
Ion Ratio Lower Upper
43 100
58 54.5 26.2 78.6

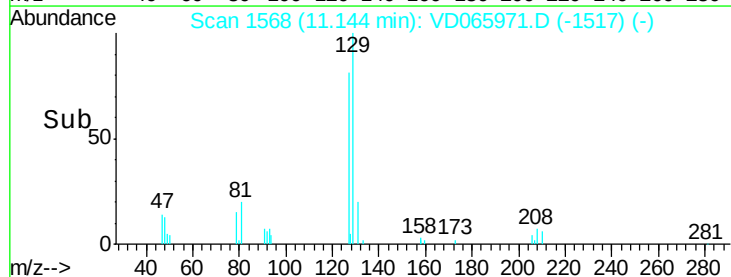
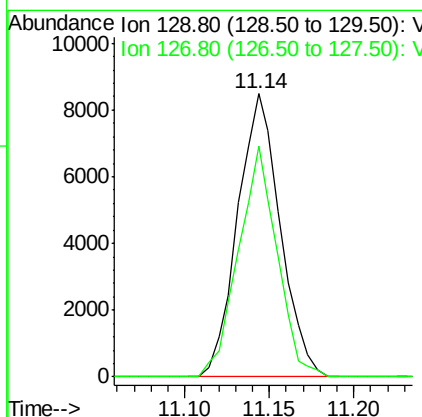
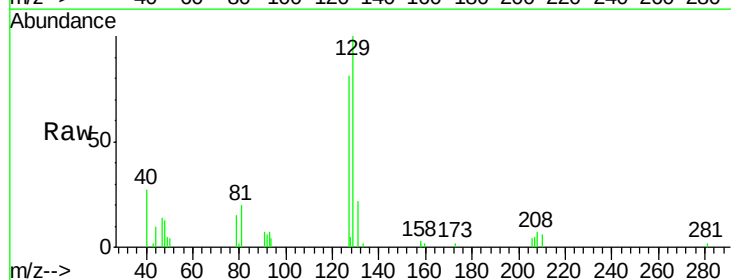
Manual Integrations
APPROVED

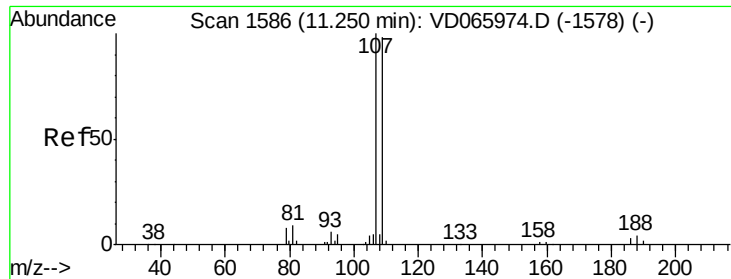
MMDadoda
7/22/2020 2:44:15 PM



#60
Dibromochloromethane
Concen: 4.801 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion: 129 Resp: 14859
Ion Ratio Lower Upper
129 100
127 74.0 38.6 115.7





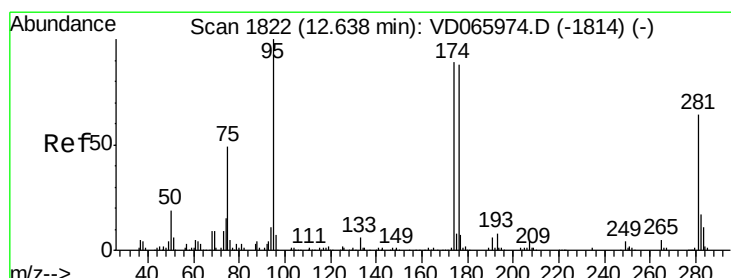
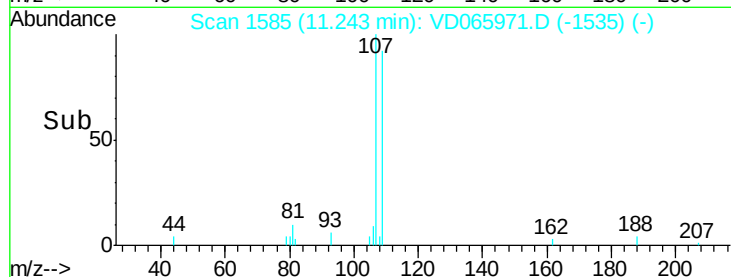
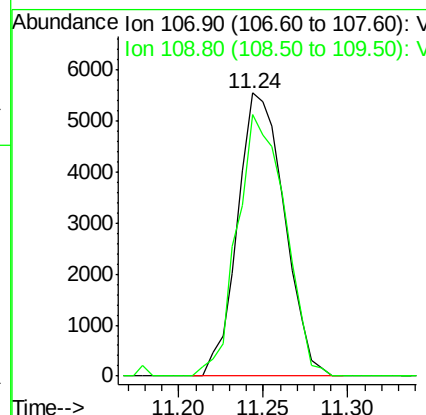
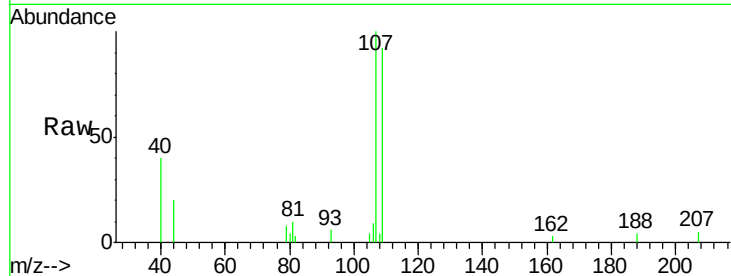
#61
 1,2-Dibromoethane
 Concen: 4.827 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 10693
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.4

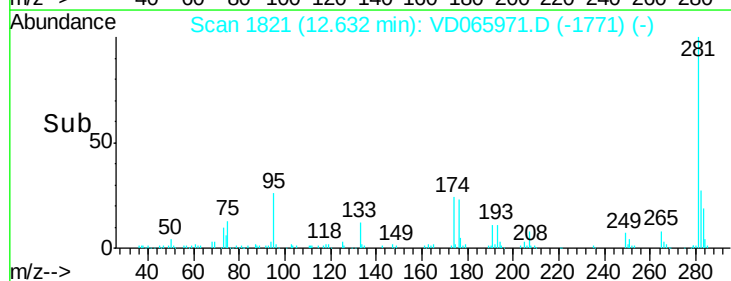
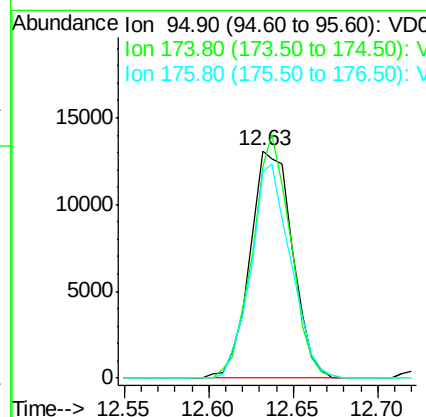
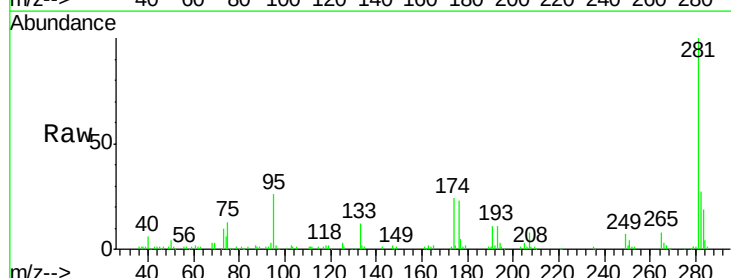
Manual Integrations
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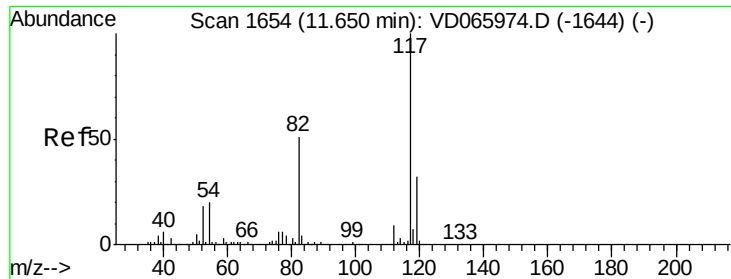
MMDadoda
 7/22/2020 2:44:15 PM



#62
 4-Bromofluorobenzene
 Concen: 5.499 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Tgt Ion: 95 Resp: 22910
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 178.8
 176 88.4 0.0 172.6





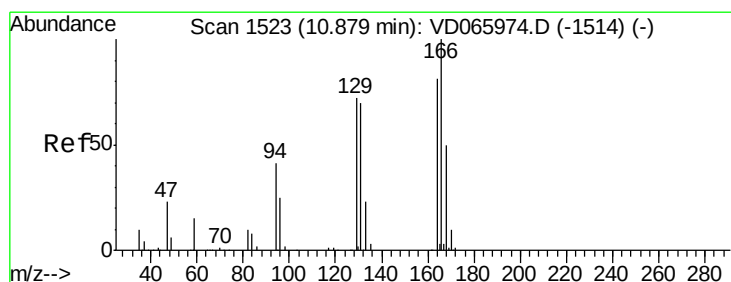
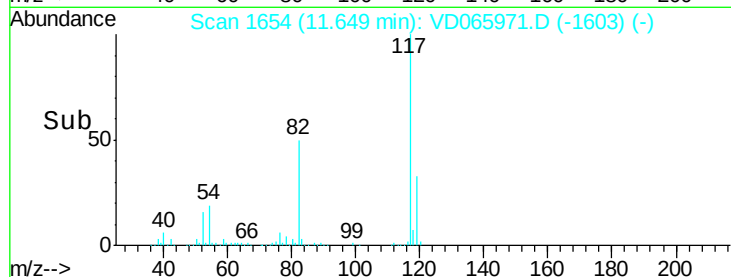
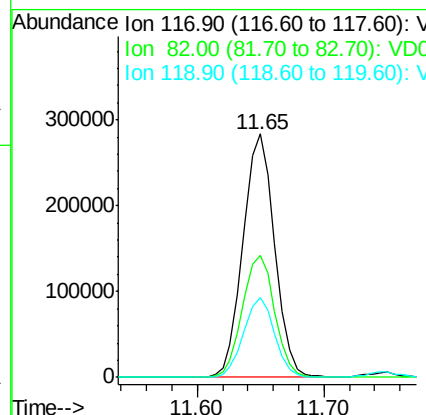
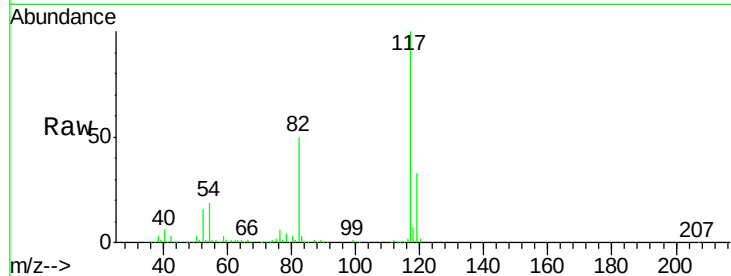
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	490818		
82	50.3		41.1	61.7
119	32.8		25.9	38.9

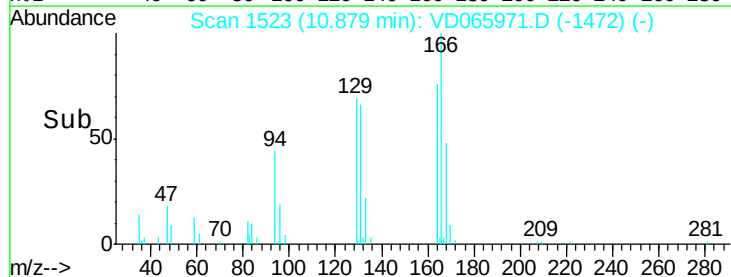
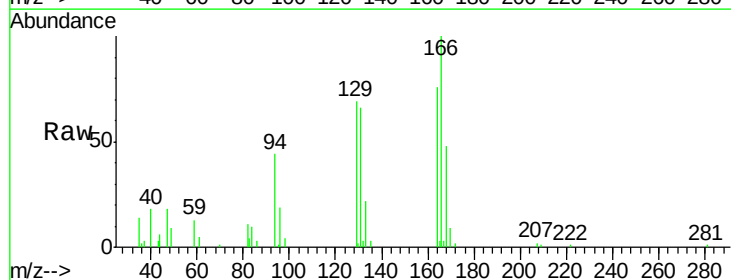
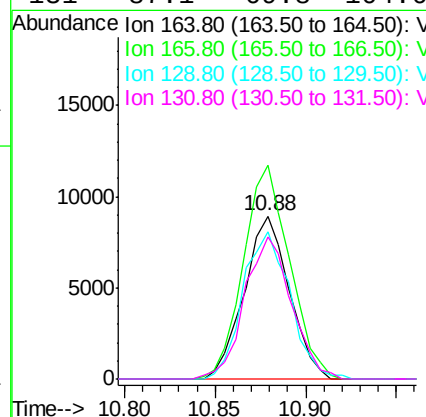
Manual Integrations
APPROVED

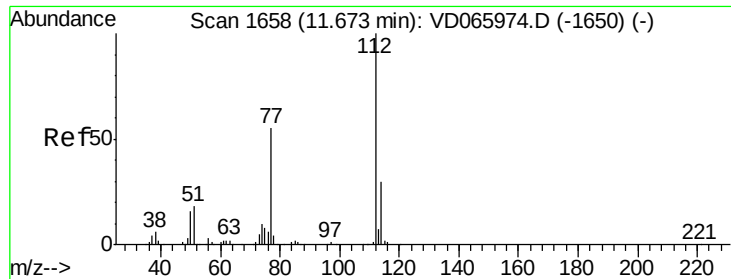
MMDadoda
7/22/2020 2:44:15 PM



#64
Tetrachloroethene
Concen: 4.601 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	15439		
166	131.0		99.1	148.7
129	90.6		71.5	107.3
131	87.1		69.8	104.6





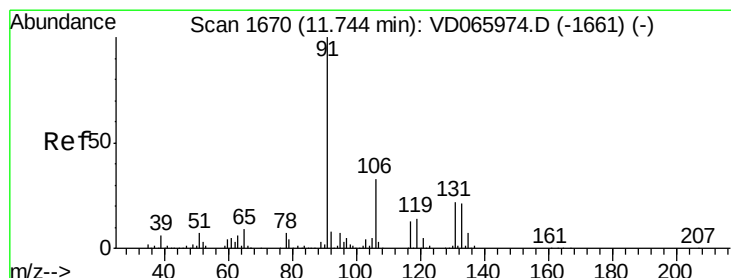
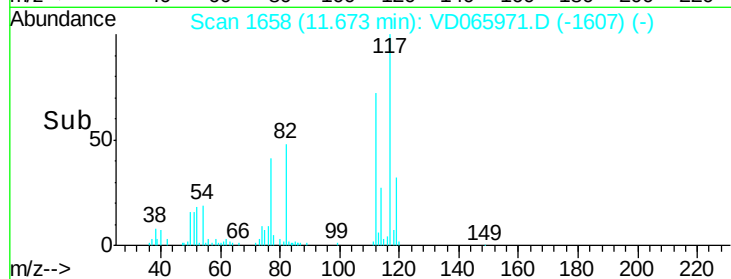
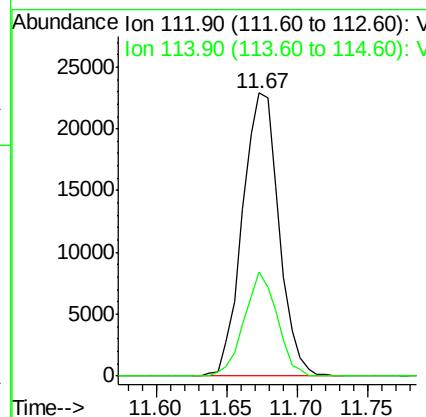
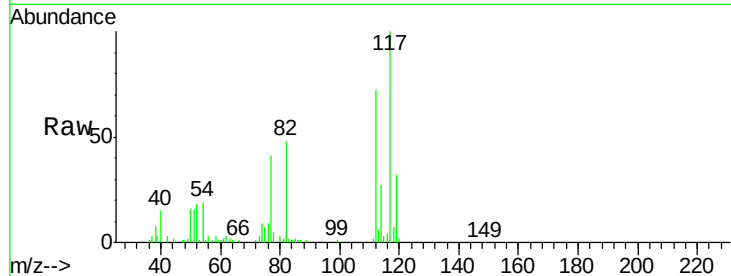
#65
Chlorobenzene
Concen: 4.572 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.9	24.4	36.6#

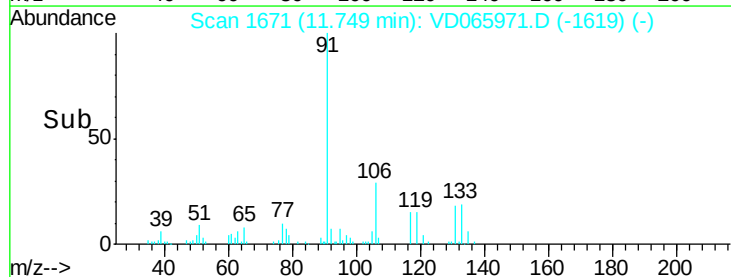
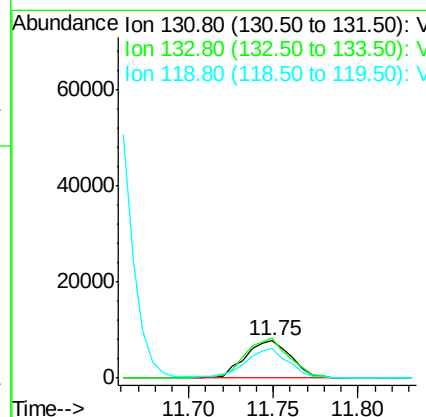
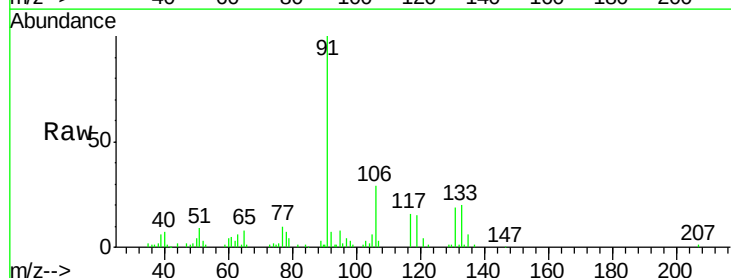
Manual Integrations
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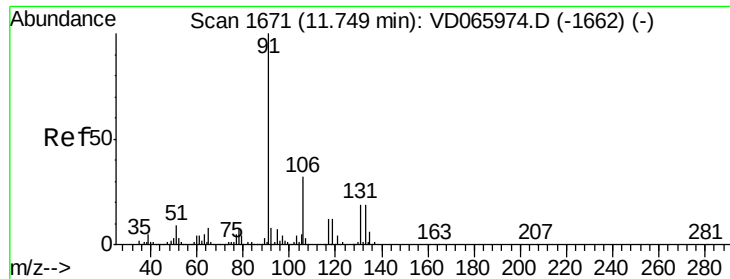
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.361 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	104.2	47.3	142.0
119	74.6	31.7	95.1





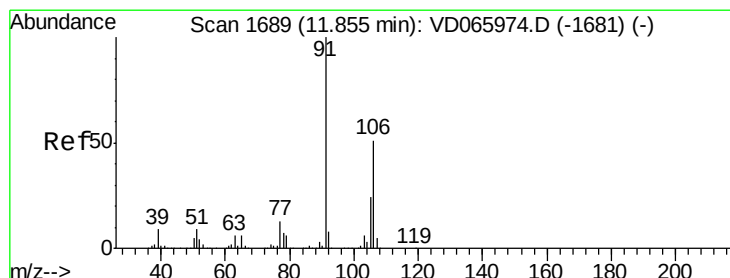
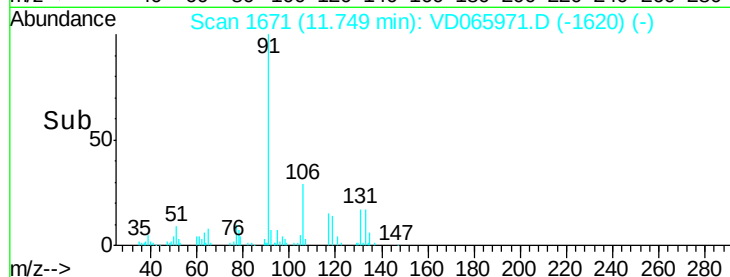
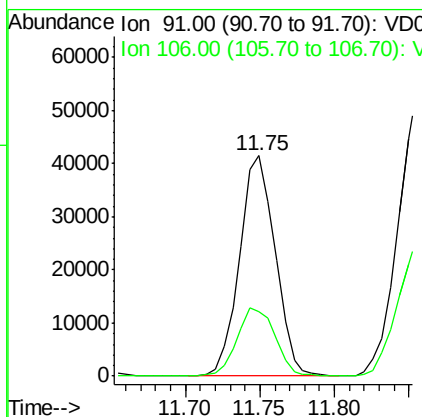
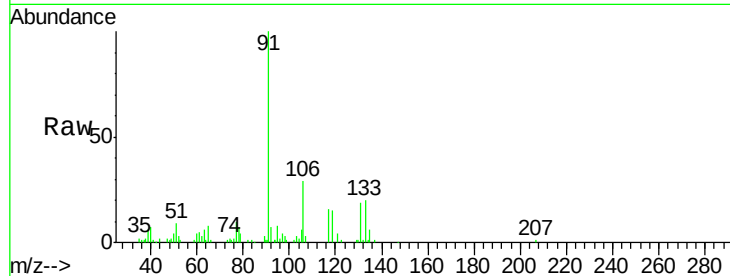
#67
Ethyl Benzene
Concen: 4.433 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 68844
Ion Ratio Lower Upper
91 100
106 29.4 25.7 38.5

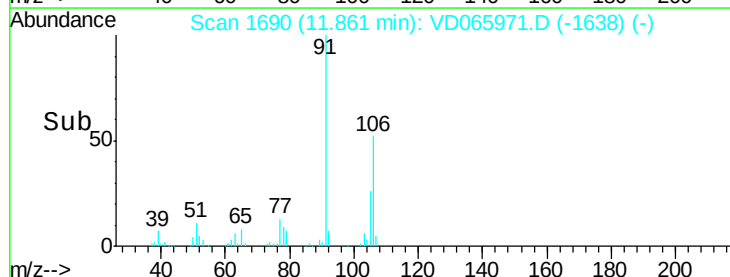
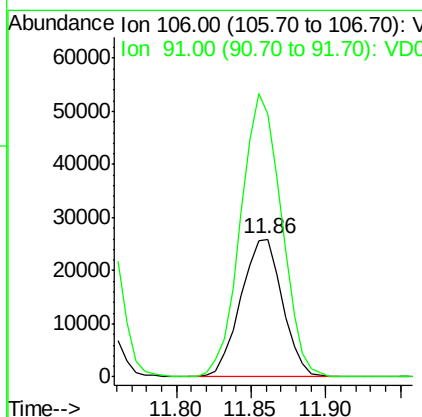
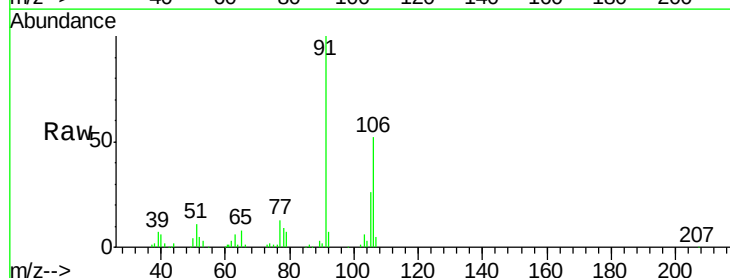
Manual Integrations
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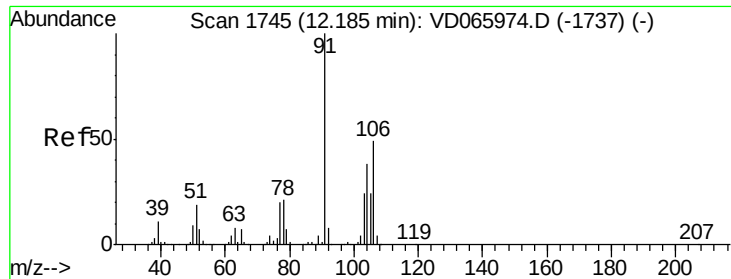
MMDadoda
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#68
m/p-Xylenes
Concen: 8.353 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion: 106 Resp: 50162
Ion Ratio Lower Upper
106 100
91 201.2 157.0 235.6





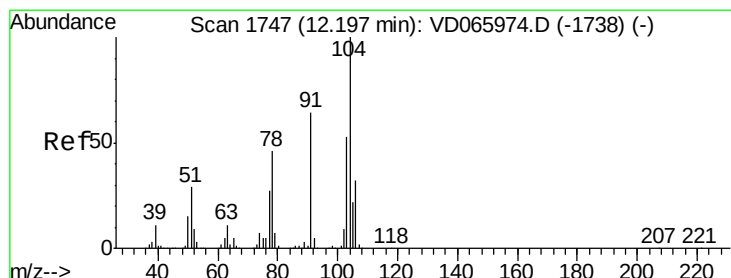
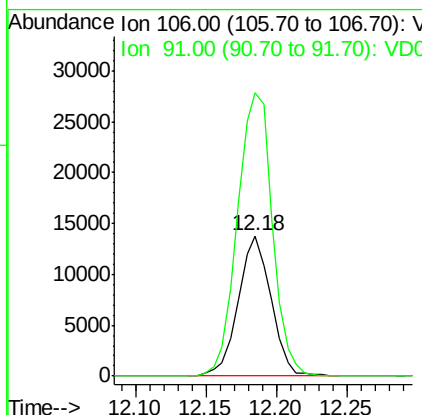
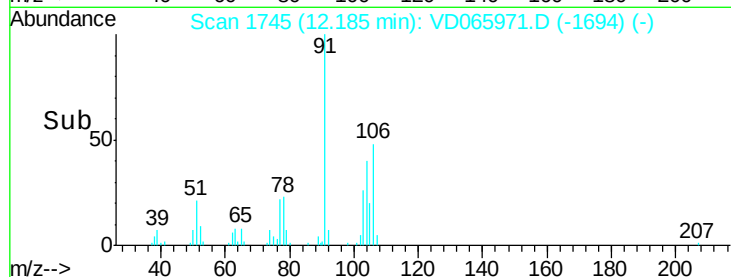
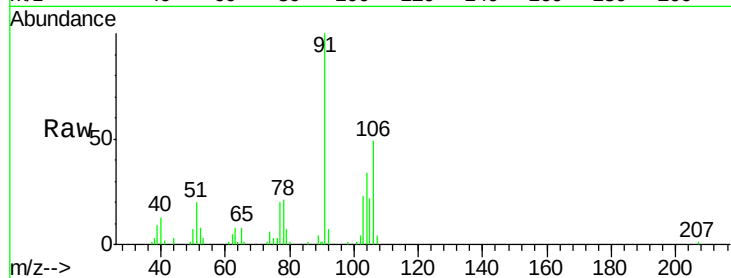
#69
o-Xylene
Concen: 4.199 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		22451		
91	214.4	103.1	309.3		

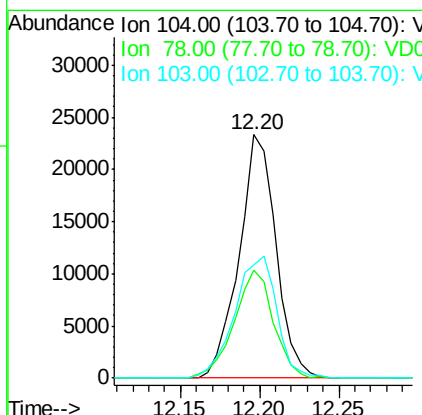
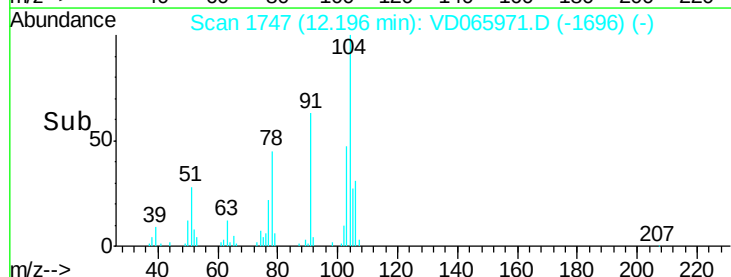
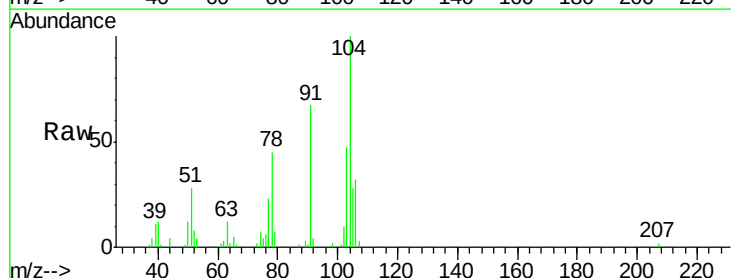
Manual Integrations
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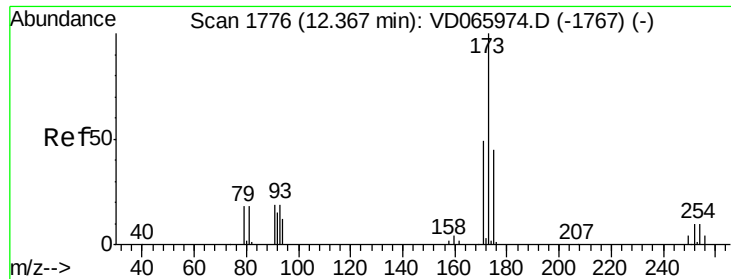
MMDadoda
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#70
Styrene
Concen: 4.084 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		37791		
78	47.1	38.3	57.5		
103	57.1	43.8	65.8		





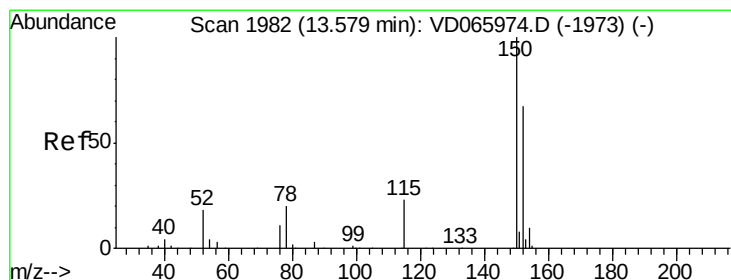
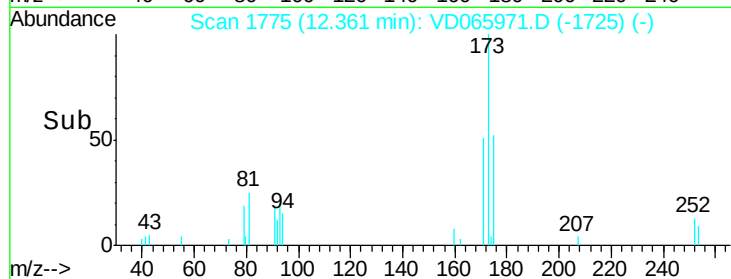
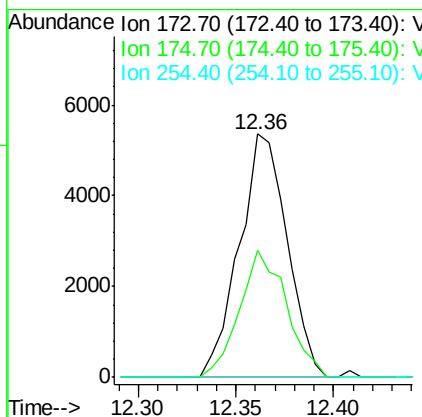
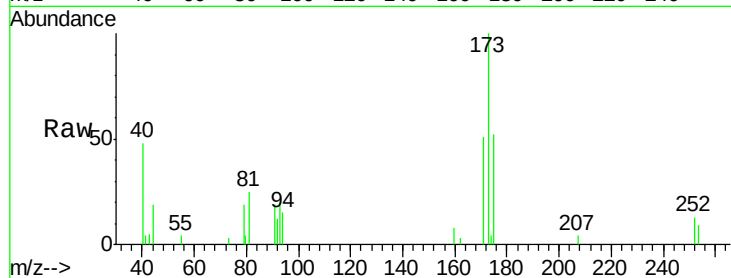
#71
Bromoform
Concen: 4.837 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.2	24.1	72.3
254	0.0	0.0	0.0

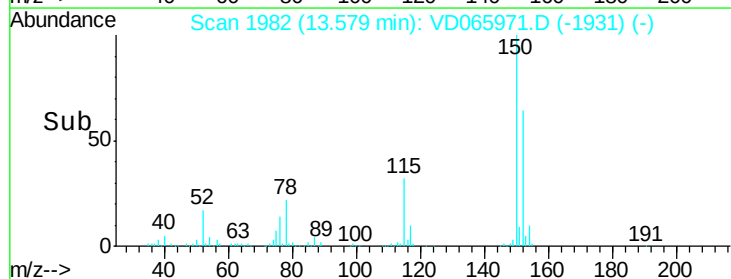
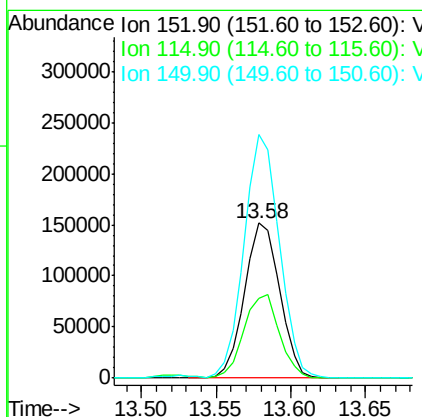
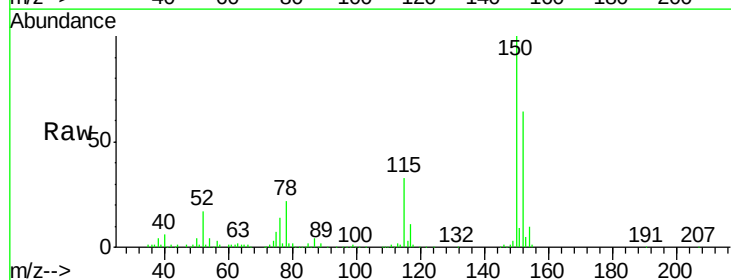
Manual Integrations
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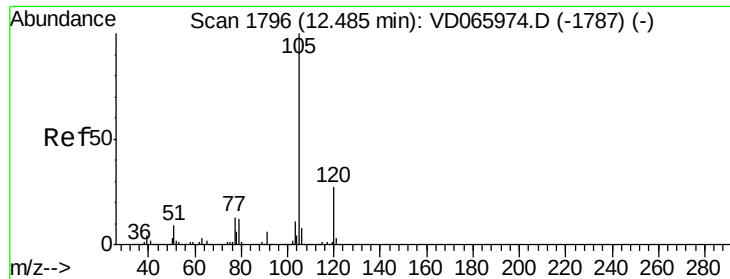
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.9	83.7
150	156.6	0.0	348.2





#73

Isopropylbenzene

Concen: 4.225 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 63002

Ion Ratio Lower Upper

105 100

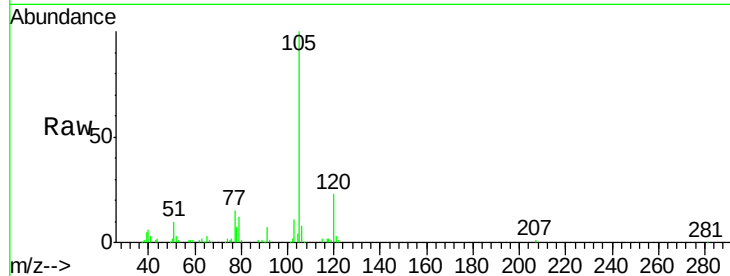
120 26.4 13.6 40.8

Manual Integrations

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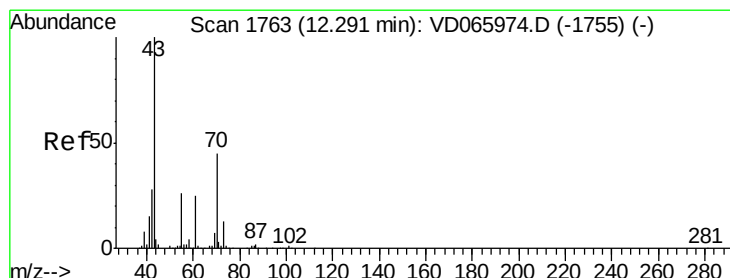
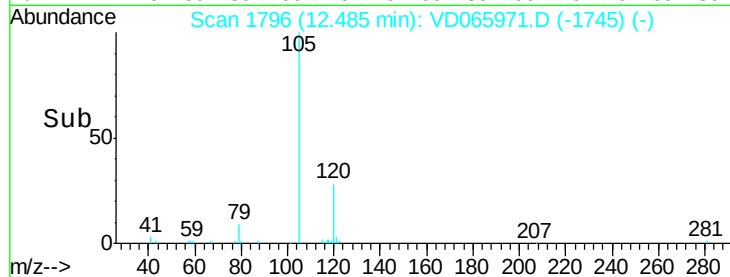
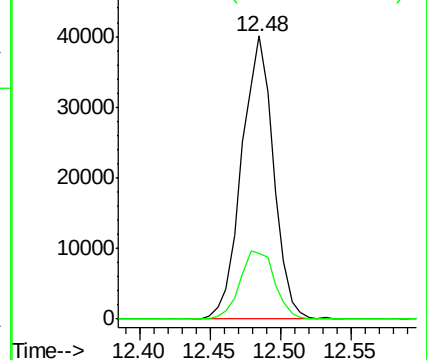
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.402 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Tgt Ion: 43 Resp: 13202

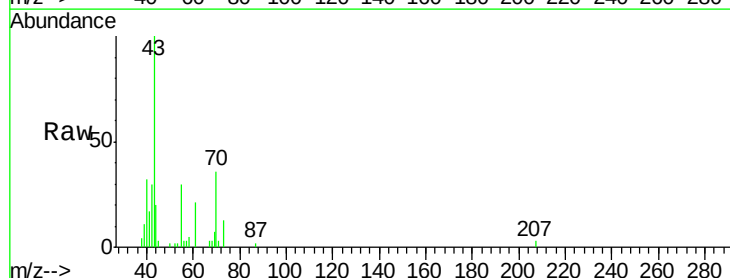
Ion Ratio Lower Upper

43 100

70 39.1 34.6 51.8

55 25.5 20.3 30.5

61 21.4 19.5 29.3

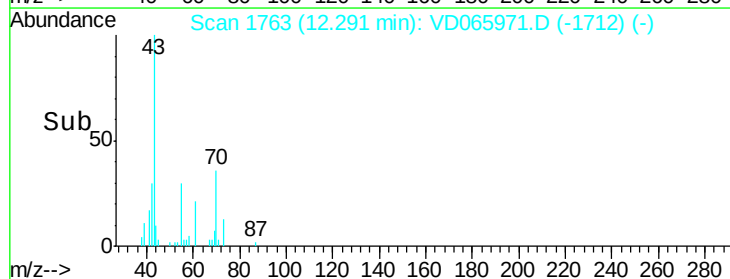
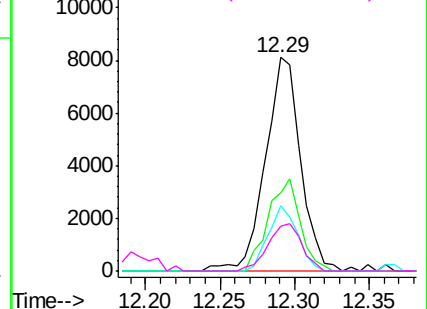


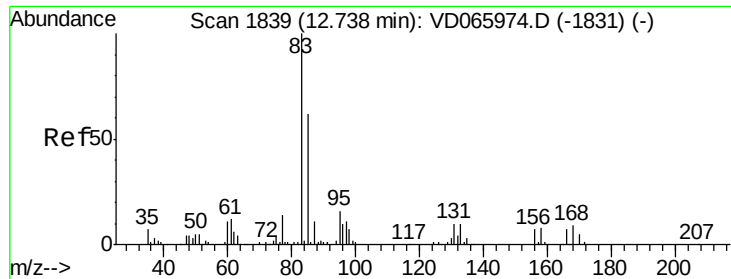
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 4.566 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

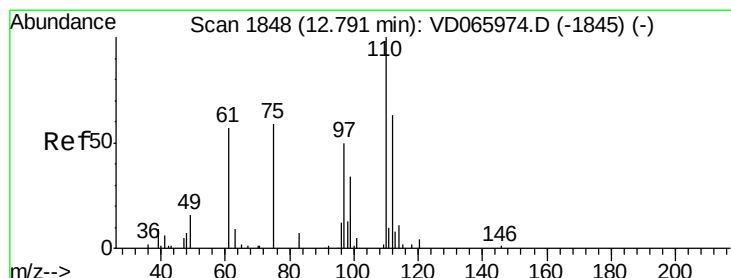
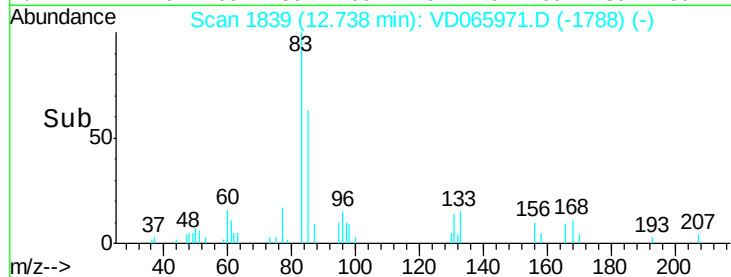
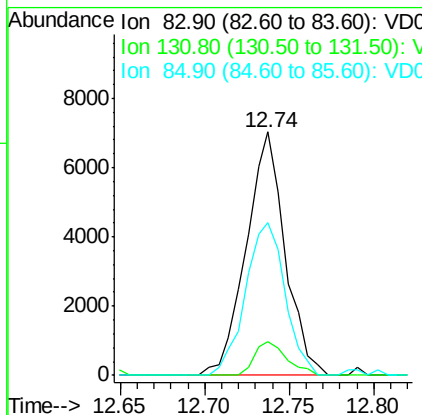
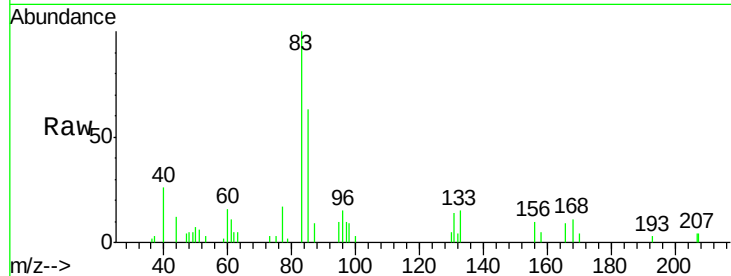
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11261
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.1
85	63.9	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.685 ug/l m

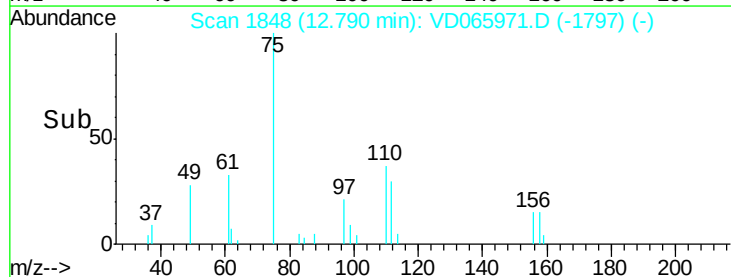
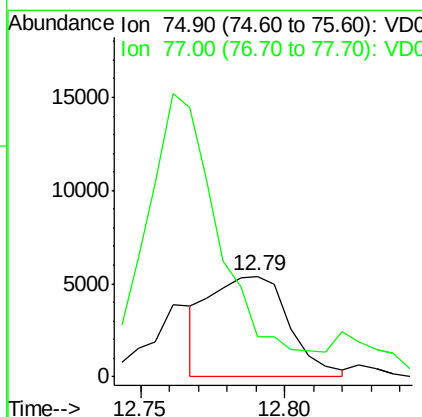
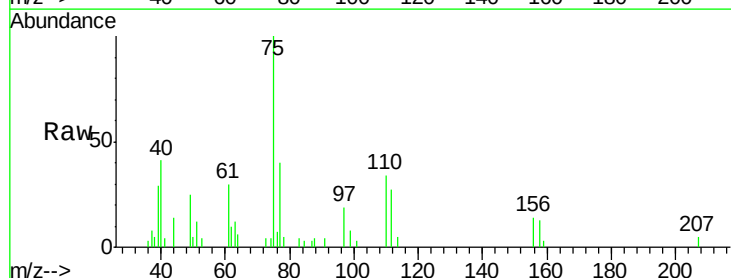
RT: 12.79 min Scan# 1848

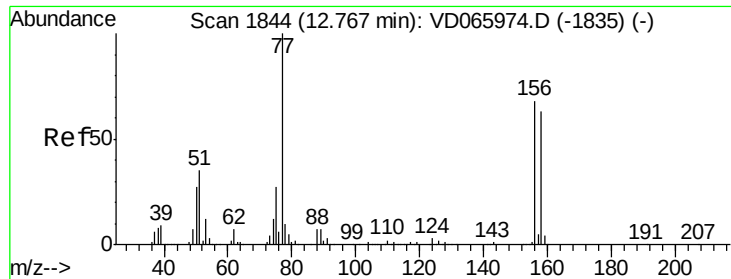
Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Tgt Ion:	75	Resp:	10365
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.402 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

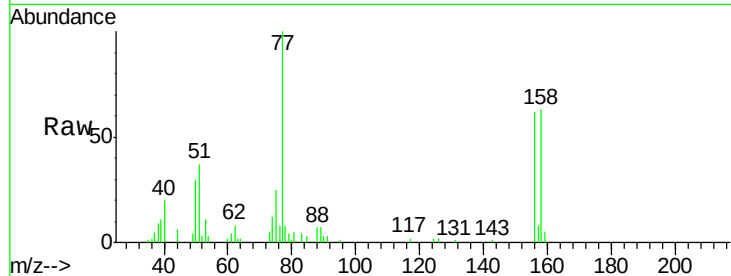
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	16944
Ion	Ratio	Lower	Upper
156	100		
77	168.8	83.0	249.0
158	96.0	48.2	144.6

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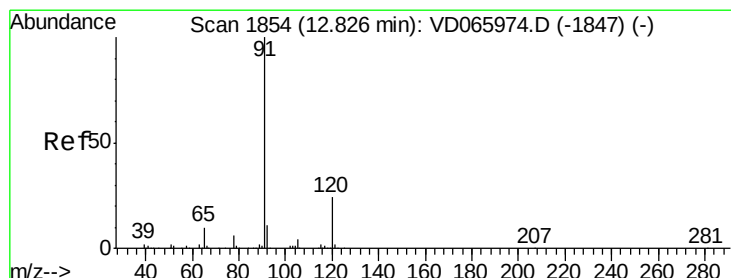
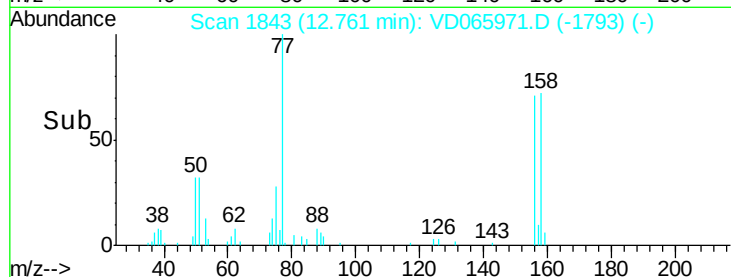
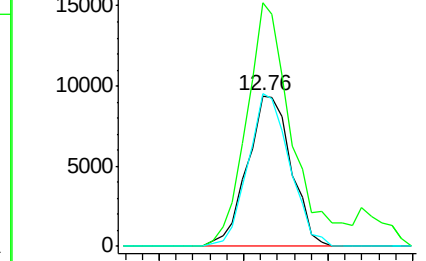
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.311 ug/l

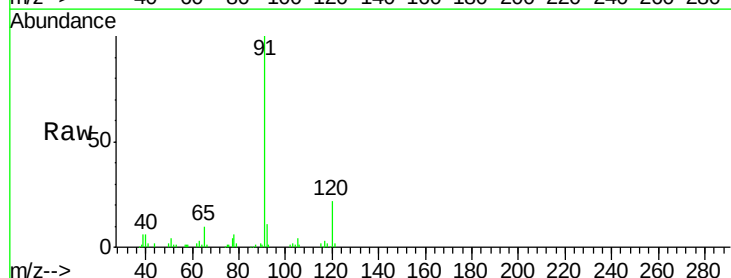
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065971.D

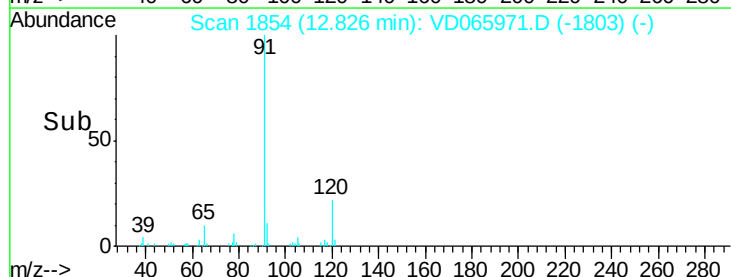
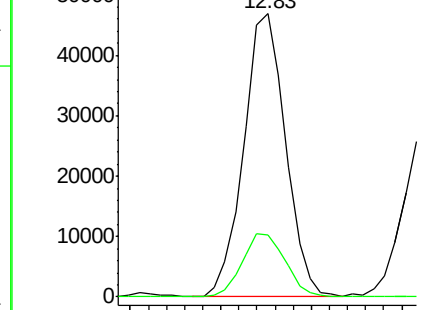
Acq: 21 Jul 2020 09:55

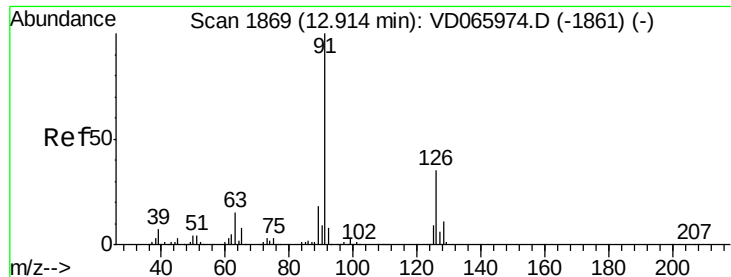
Tgt Ion:	91	Resp:	75309
Ion	Ratio	Lower	Upper
91	100		
120	22.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.409 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 43972

Ion Ratio Lower Upper

91 100

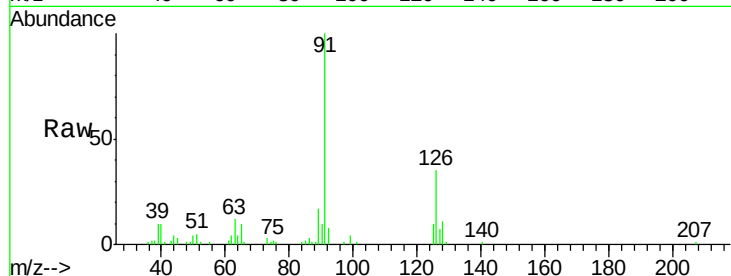
126 38.3 17.7 53.1

Manual Integrations

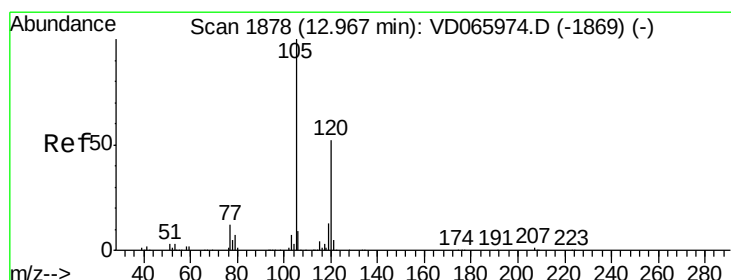
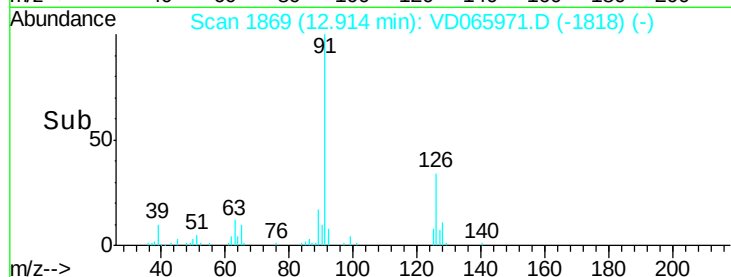
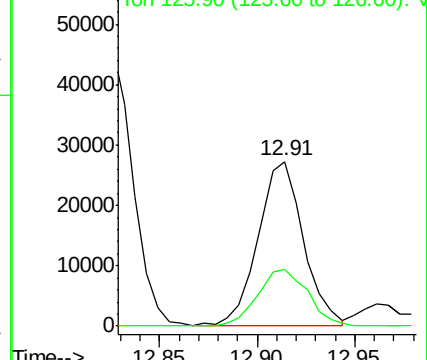
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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.089 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD065971.D

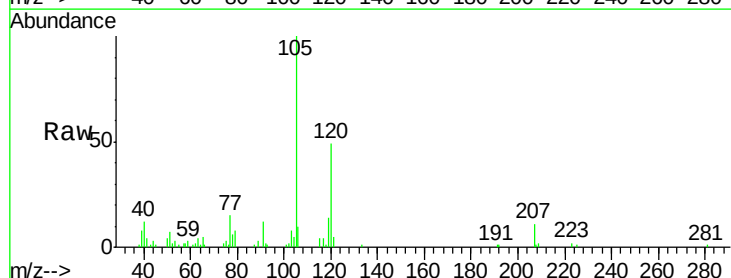
Acq: 21 Jul 2020 09:55

Tgt Ion: 105 Resp: 50786

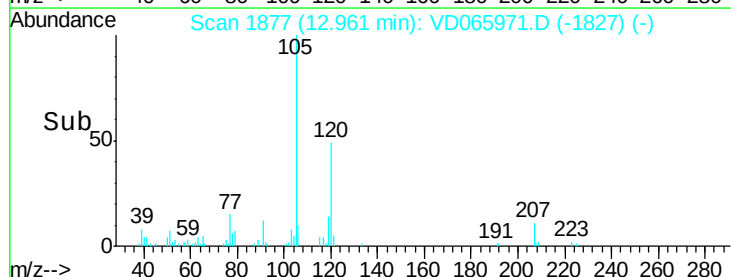
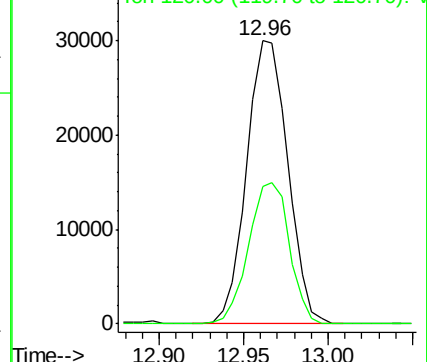
Ion Ratio Lower Upper

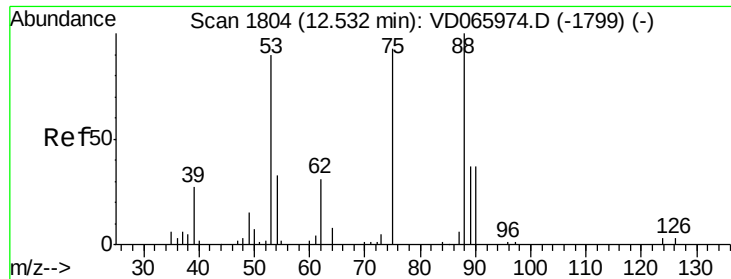
105 100

120 49.3 25.6 76.6



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





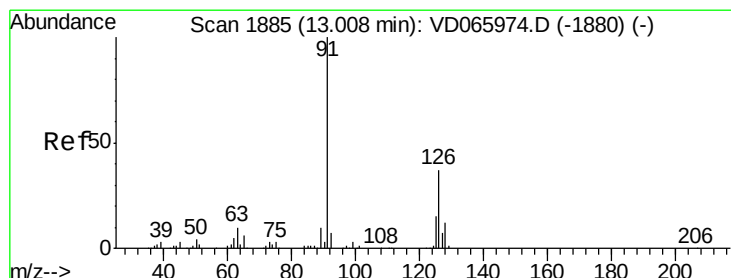
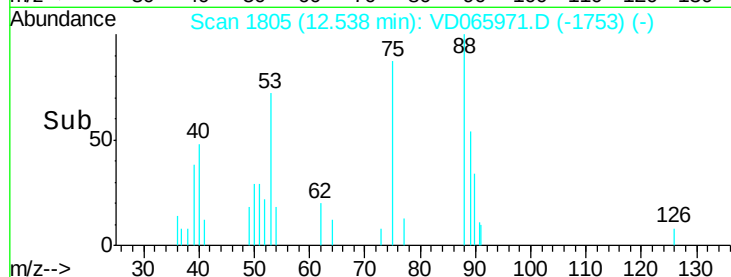
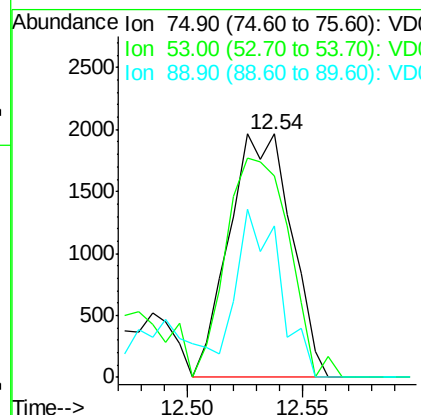
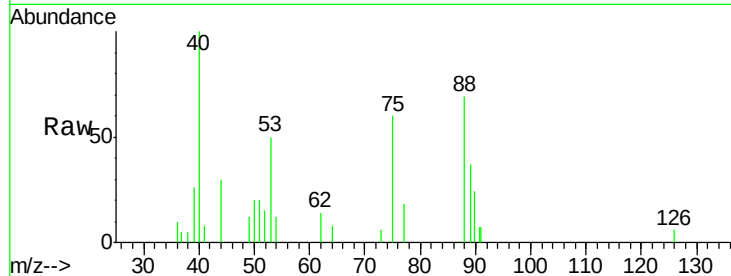
#81
trans-1,4-Dichloro-2-butene
Concen: 4.672 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.4	76.8	115.2
89	47.2	37.0	55.4

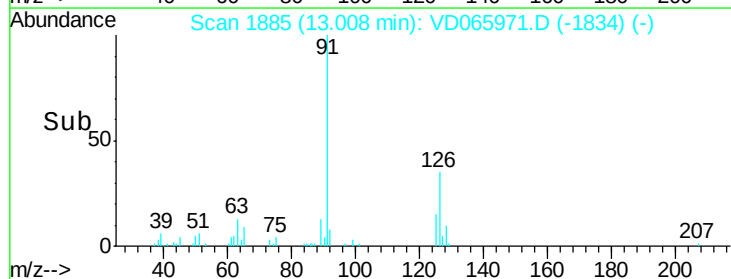
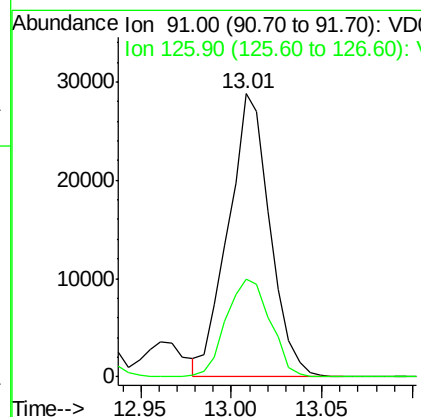
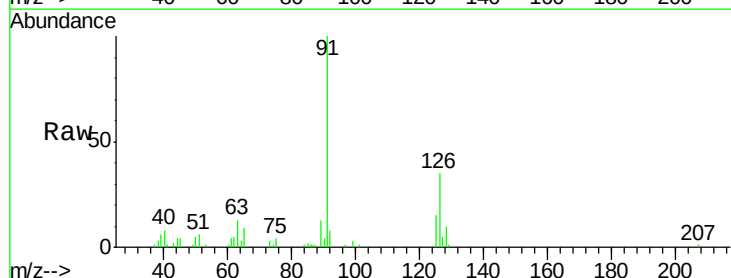
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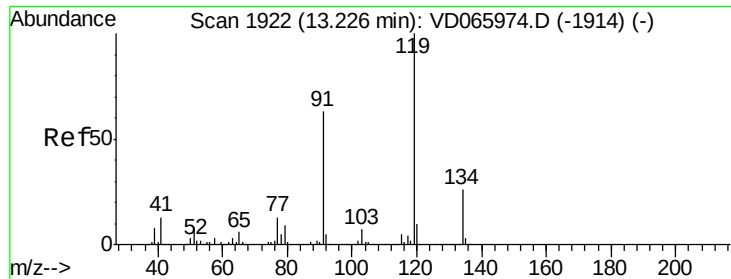
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#82
4-Chlorotoluene
Concen: 4.330 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.8	53.5





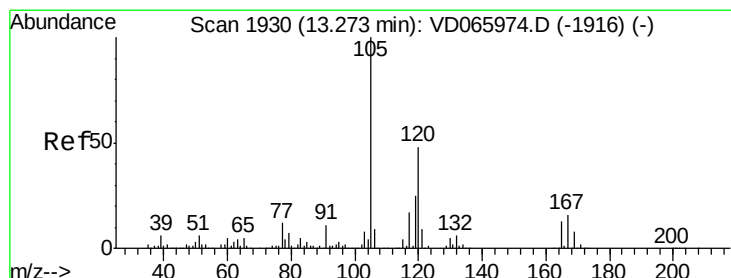
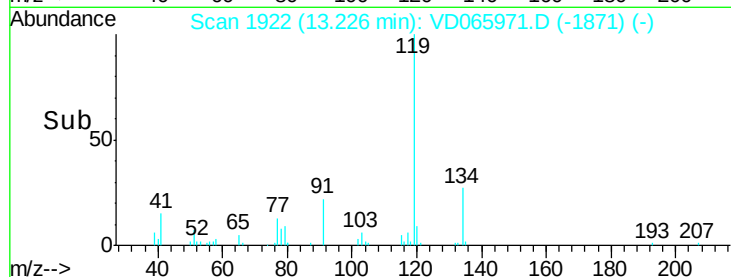
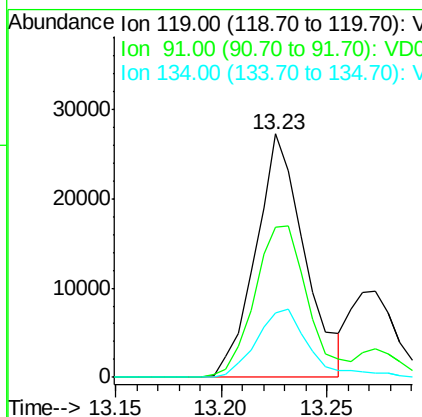
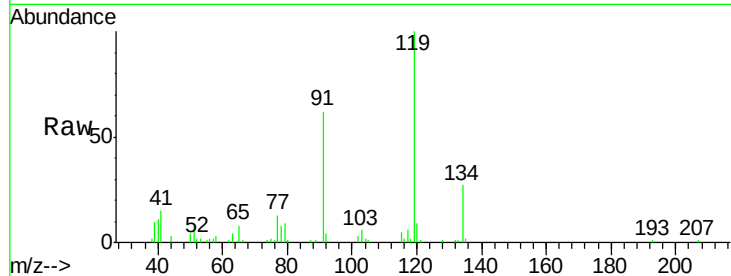
#83
 tert-Butylbenzene
 Concen: 4.062 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	30.6	91.6
134	30.5	13.9	41.7

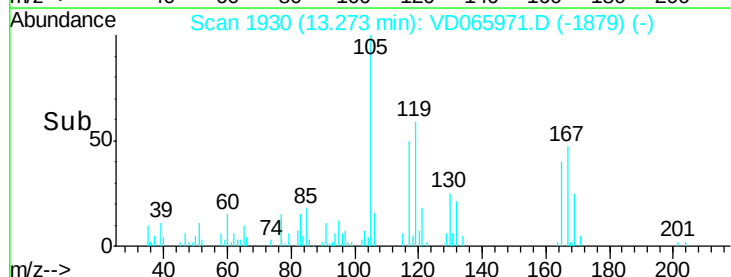
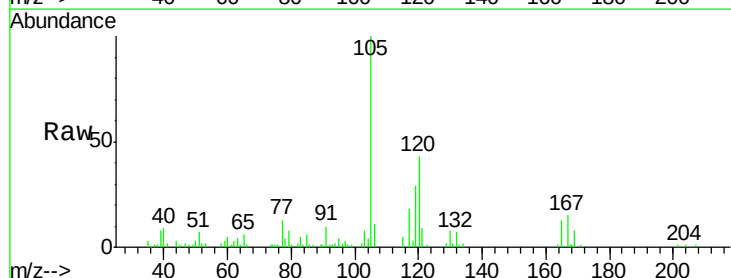
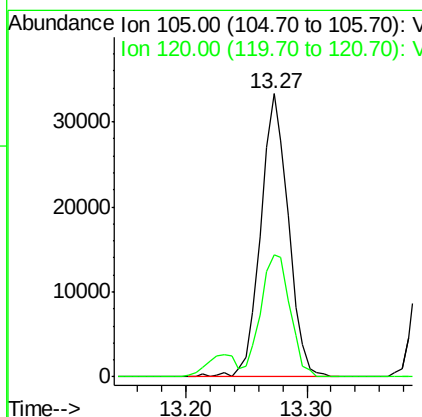
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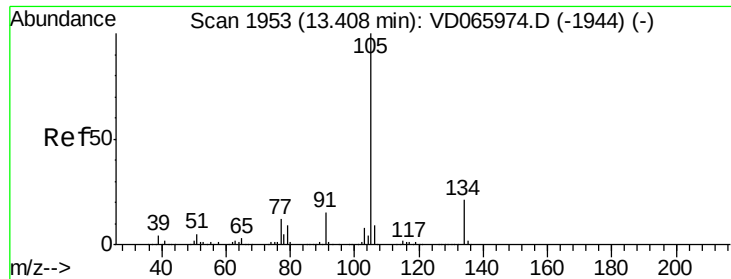
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.330 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.9	71.8





#85

sec-Butylbenzene

Concen: 4.211 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 62800

Ion Ratio Lower Upper

105 100

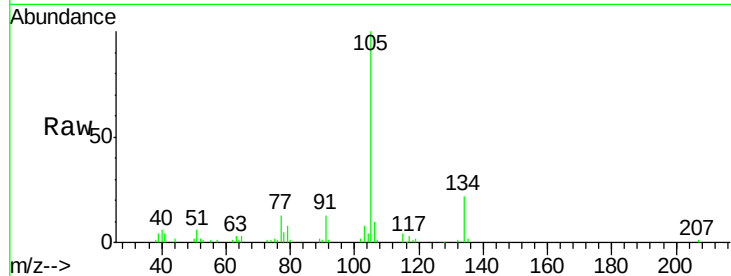
134 21.9 10.4 31.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

40000

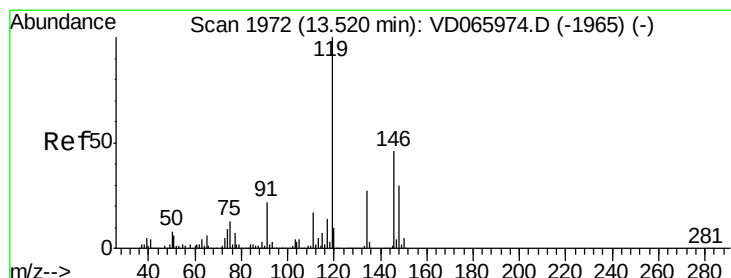
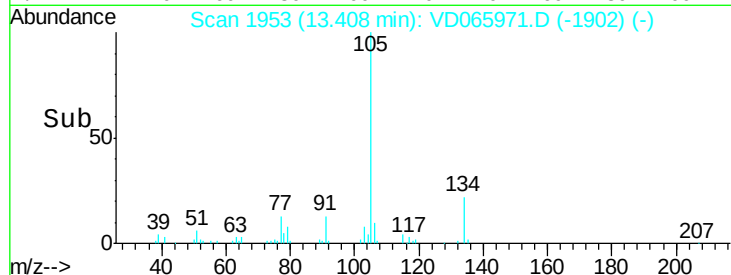
30000

20000

10000

0

Time--> 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 4.120 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065971.D

Acq: 21 Jul 2020 09:55

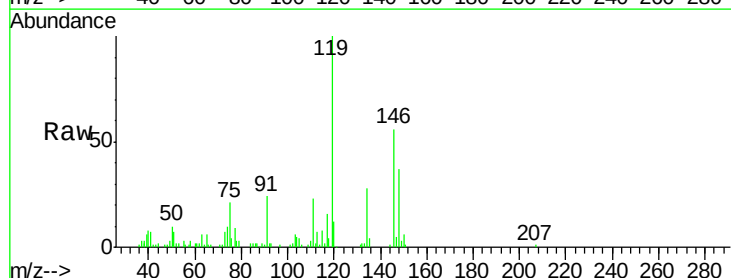
Tgt Ion:119 Resp: 55322

Ion Ratio Lower Upper

119 100

134 28.1 13.4 40.2

91 24.1 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

40000

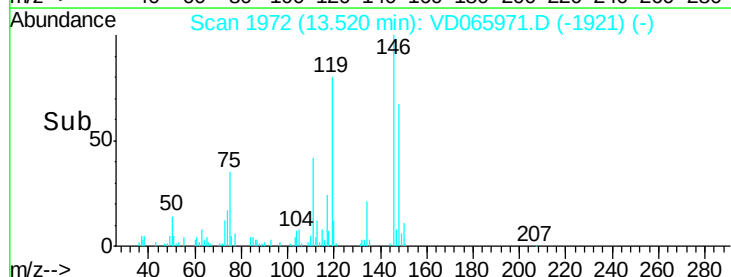
30000

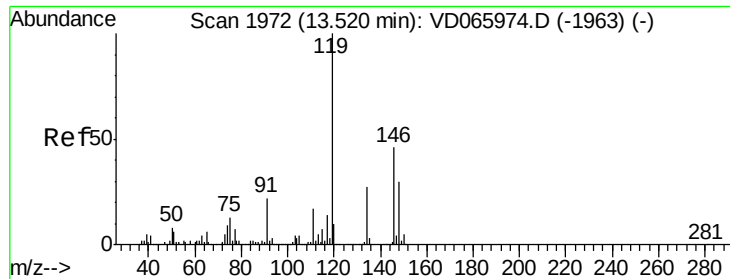
20000

10000

0

Time--> 13.45 13.50 13.55 13.60





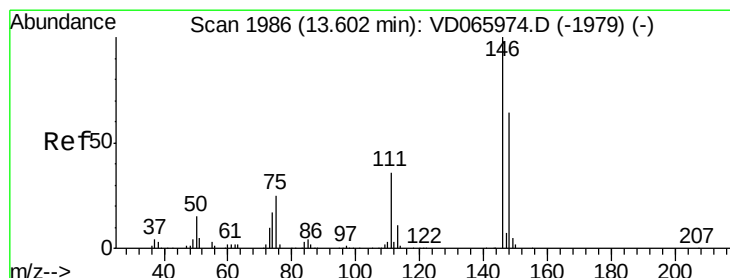
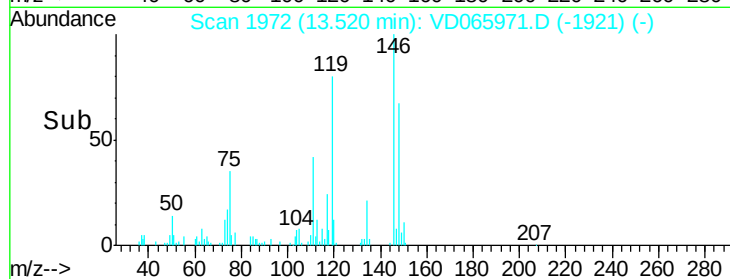
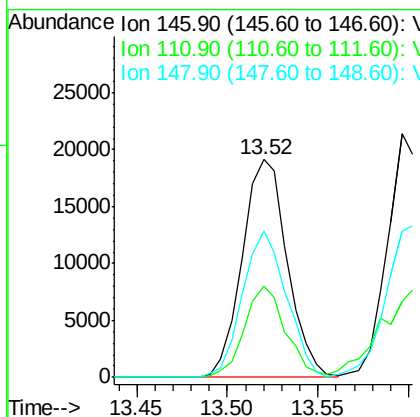
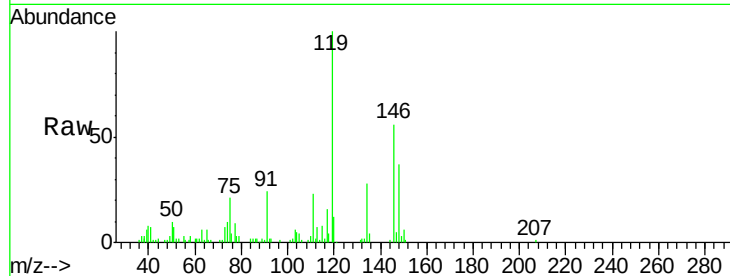
#87
 1,3-Dichlorobenzene
 Concen: 4.539 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.6
148	65.5	32.4	97.0

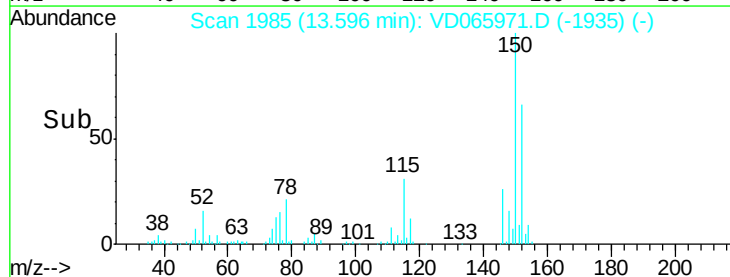
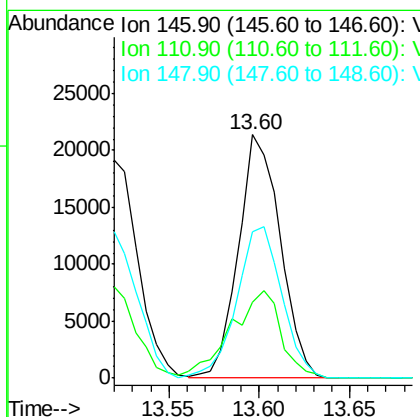
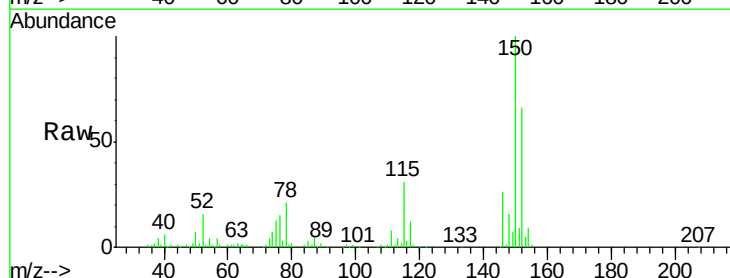
Manual Integrations
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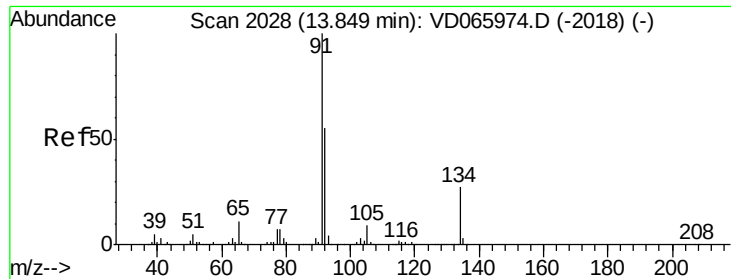
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#88
 1,4-Dichlorobenzene
 Concen: 4.732 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	18.8	56.4
148	67.1	32.2	96.6





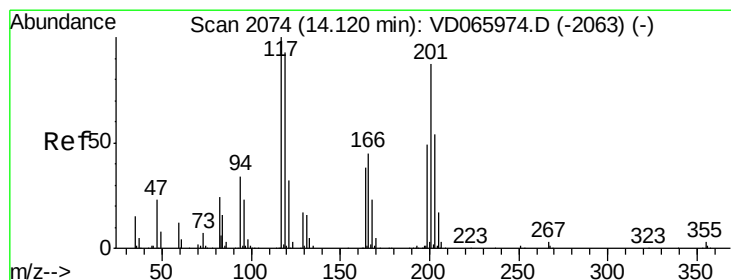
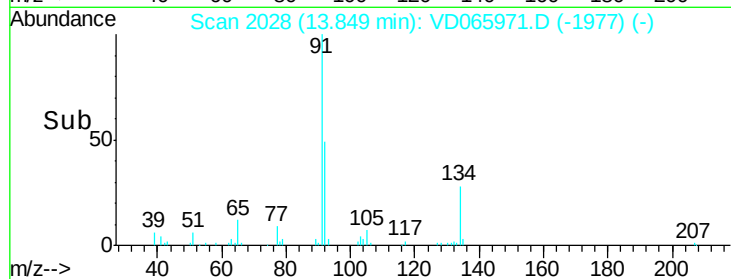
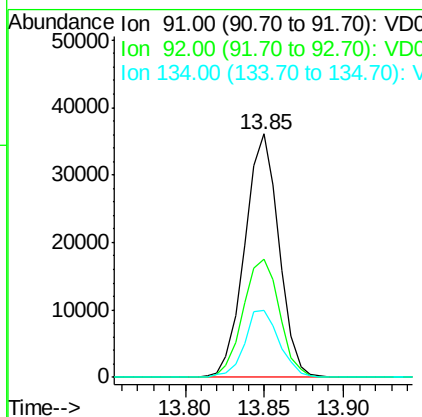
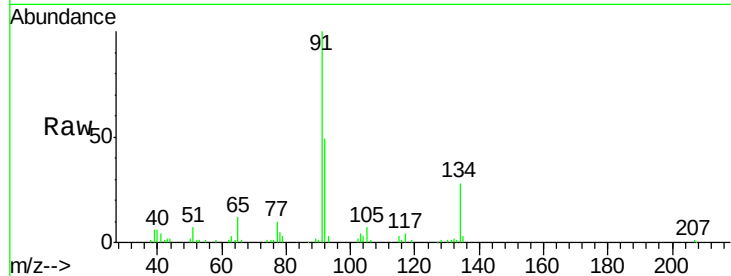
#89
n-Butylbenzene
Concen: 4.345 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	27.2	81.6
134	27.8	13.8	41.4

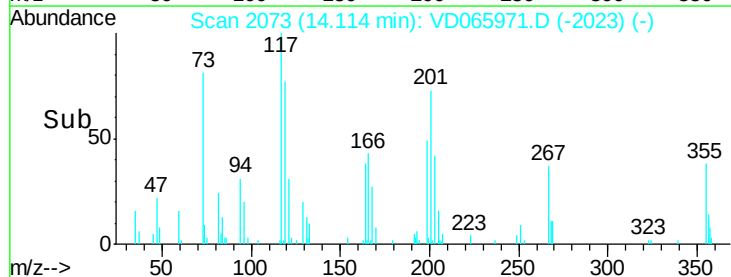
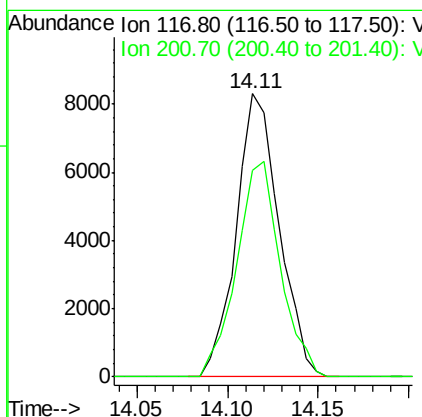
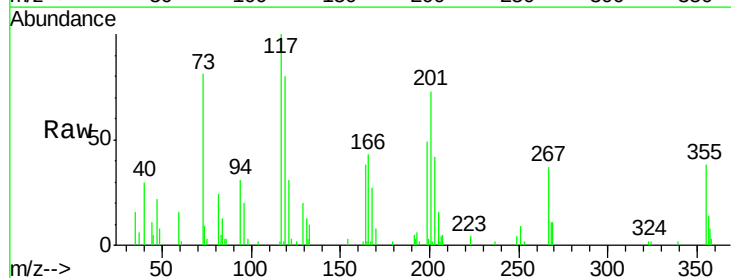
Manual Integrations
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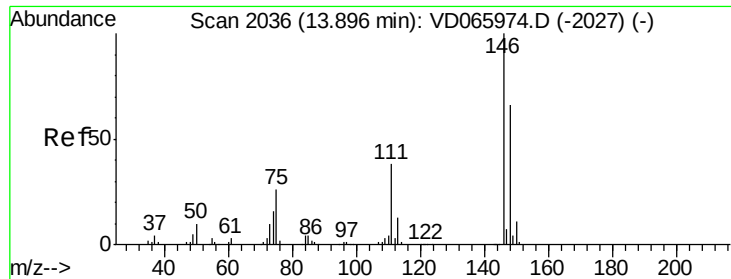
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#90
Hexachloroethane
Concen: 4.962 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	42.0	126.1





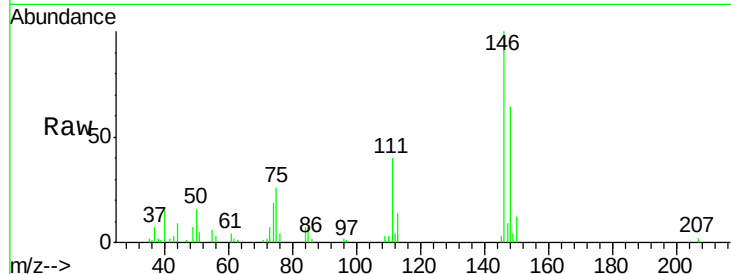
#91
 1,2-Dichlorobenzene
 Concen: 4.381 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

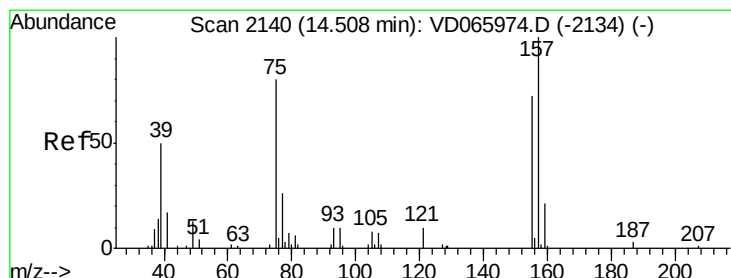
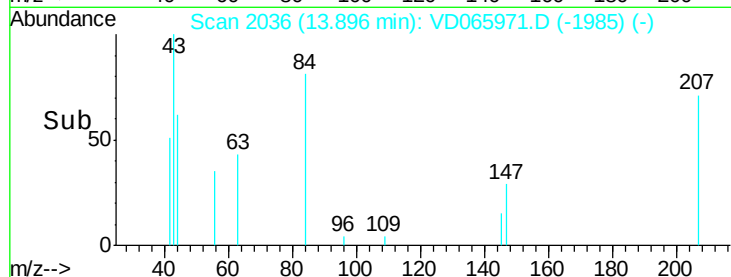
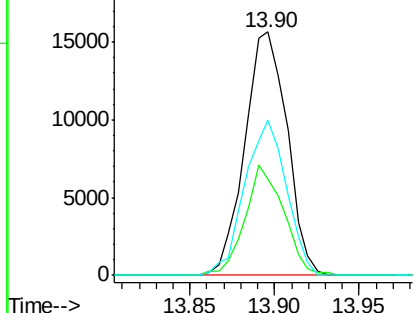
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.3	57.9
148	62.9	32.7	98.1

Manual Integrations
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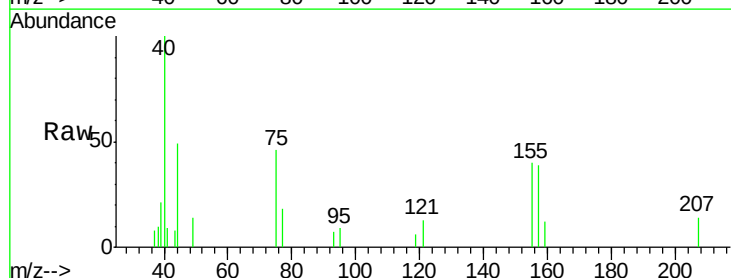


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

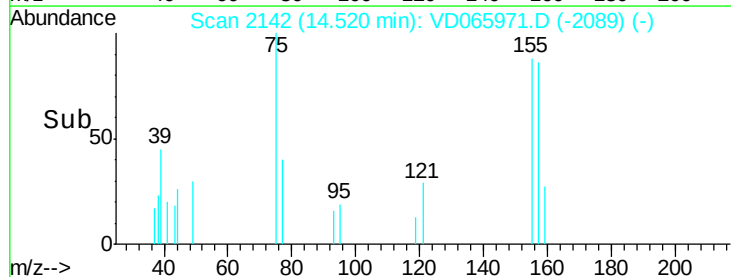
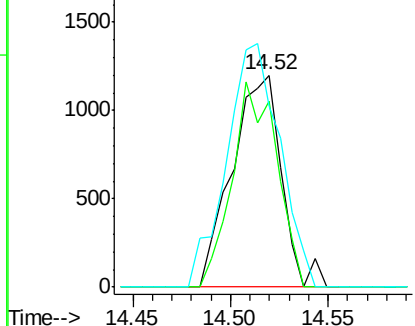


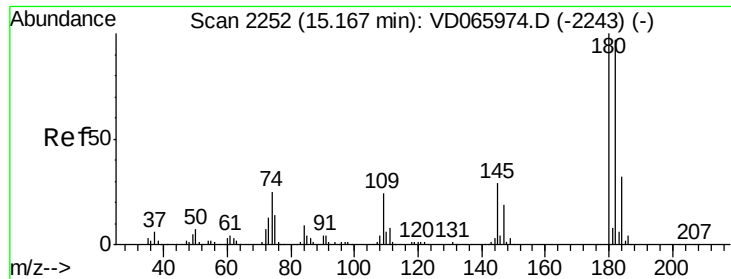
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.361 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	48.5	145.5
157	123.8	64.7	194.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





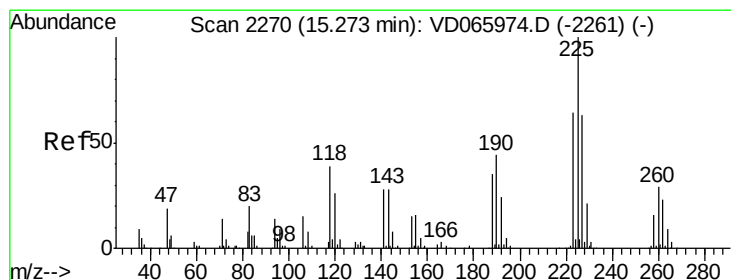
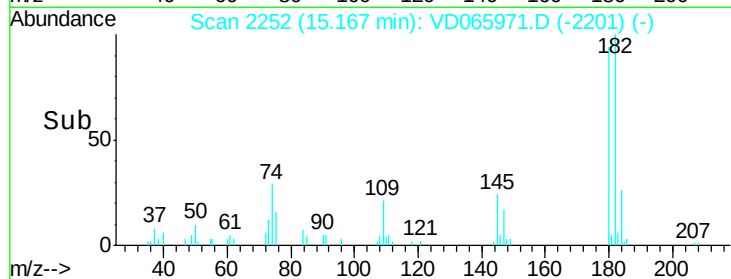
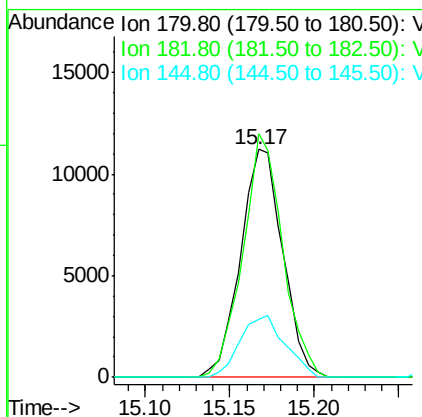
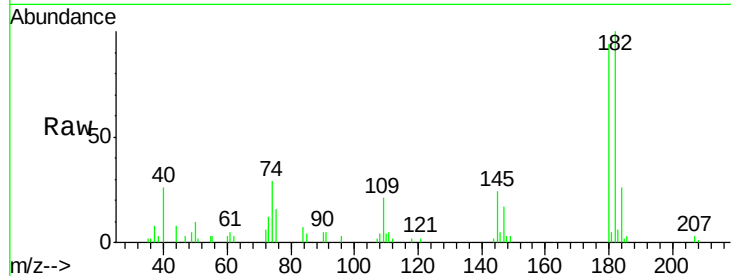
#93
 1,2,4-Trichlorobenzene
 Concen: 4.516 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	19525		
182	100.5	48.1	144.3	
145	28.7	14.7	44.1	

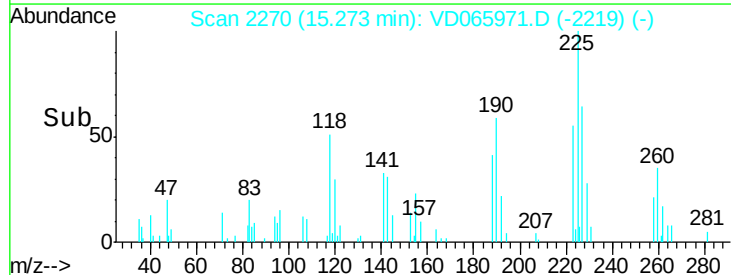
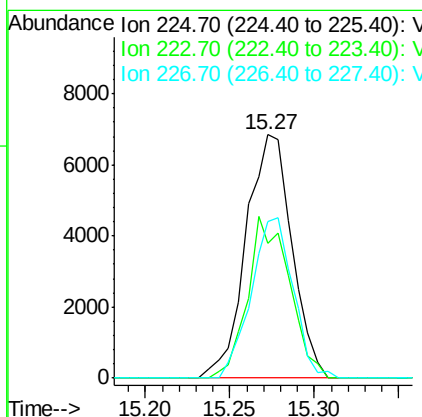
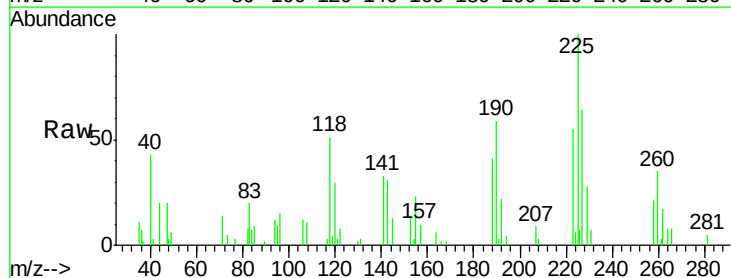
Manual Integrations
 APPROVED

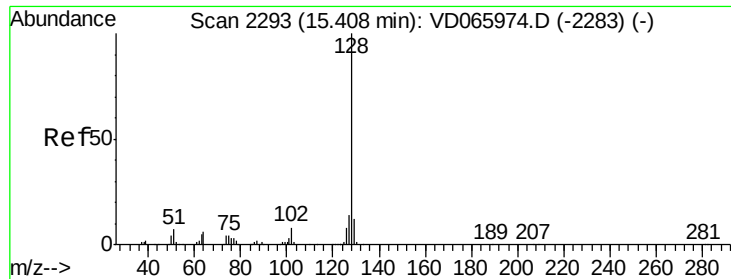
MMDadoda
 7/22/2020 2:44:15 PM



#94
 Hexachlorobutadiene
 Concen: 4.761 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065971.D
 Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12888		
223	60.7	31.2	93.6	
227	60.2	31.6	94.8	





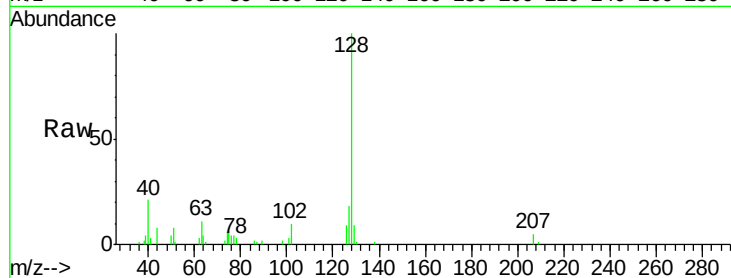
#95
Naphthalene
Concen: 4.115 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

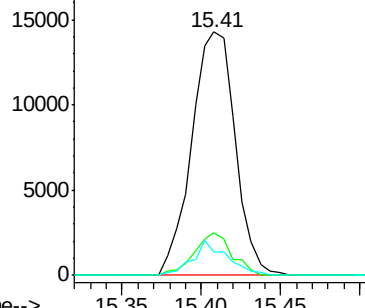
Tot Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.8	16.2
129	11.3	8.9	13.3

Manual Integrations
APPROVED

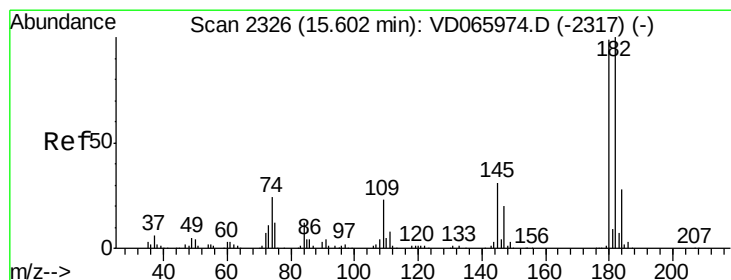
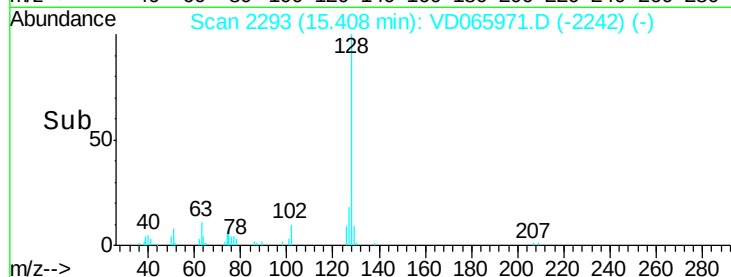
MMDadoda
7/22/2020 2:44:15 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

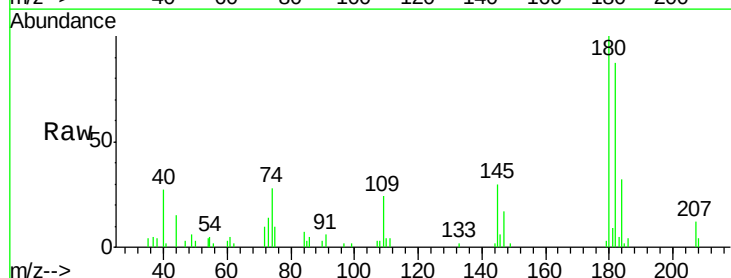


Time-->

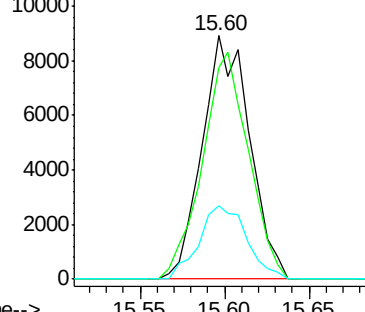


#96
1,2,3-Trichlorobenzene
Concen: 4.594 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD065971.D
Acq: 21 Jul 2020 09:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.9	143.6
145	30.4	15.4	46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

