

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065695.D
 Acq On : 06 May 2020 14:17
 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
 5/7/2020 10:35:54 AM

Quant Time: May 06 16:07:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	513337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	800872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	697524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329531	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	27123	5.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.88%	
35) Dibromofluoromethane	7.92	113	26066	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
50) Toluene-d8	10.34	98	100339	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
62) 4-Bromofluorobenzene	12.64	95	36782	5.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	24640	5.519	ug/l	96
3) Chloromethane	2.21	50	28470	5.055	ug/l	97
4) Vinyl Chloride	2.34	62	27982	5.274	ug/l	97
5) Bromomethane	2.77	94	17514	4.717	ug/l	91
6) Chloroethane	2.92	64	17997	5.449	ug/l	96
7) Trichlorofluoromethane	3.27	101	44859	5.477	ug/l	96
8) Diethyl Ether	3.71	74	13914	7.611	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	27087	5.144	ug/l	96
10) Methyl Iodide	4.30	142	21013	4.158	ug/l	97
11) Tert butyl alcohol	5.22	59	15024	54.622	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	27244	5.549	ug/l	99
13) Acrolein	3.93	56	11395	32.227	ug/l	90
14) Allyl chloride	4.71	41	52233	6.802	ug/l	98
15) Acrylonitrile	5.42	53	33391	32.315	ug/l	93
16) Acetone	4.16	43	27982	29.560	ug/l	91
17) Carbon Disulfide	4.40	76	86037	5.284	ug/l	99
18) Methyl Acetate	4.72	43	16355	6.241	ug/l #	91
19) Methyl tert-butyl Ether	5.48	73	61255	6.197	ug/l	96
20) Methylene Chloride	4.96	84	30958	5.346	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	31388	5.698	ug/l	99
22) Diisopropyl ether	6.36	45	93432	6.396	ug/l	94
23) Vinyl Acetate	6.31	43	273521	34.252	ug/l	99
24) 1,1-Dichloroethane	6.26	63	52200	5.547	ug/l	100
25) 2-Butanone	7.21	43	42395	32.822	ug/l	94
26) 2,2-Dichloropropane	7.21	77	48483	5.747	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	32907	5.749	ug/l	99
28) Bromochloromethane	7.55	49	19716	5.109	ug/l	97
29) Tetrahydrofuran	7.57	42	28187	34.823	ug/l	96
30) Chloroform	7.71	83	50239	5.177	ug/l	86
31) Cyclohexane	7.98	56	63130	7.118	ug/l #	82
32) 1,1,1-Trichloroethane	7.91	97	48148	5.472	ug/l	98
36) 1,1-Dichloropropene	8.11	75	42856	5.298	ug/l	96
37) Ethyl Acetate	7.30	43	21734	6.824	ug/l #	92
38) Carbon Tetrachloride	8.10	117	42572	4.917	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	54657	5.943	ug/l	96
40) Benzene	8.36	78	112735	4.918	ug/l	98
41) Methacrylonitrile	7.53	41	13322	7.534	ug/l	93
42) 1,2-Dichloroethane	8.43	62	32532	5.014	ug/l	95
43) Isopropyl Acetate	8.46	43	40465	6.828	ug/l	98
44) Trichloroethene	9.11	130	30897	4.713	ug/l	99
45) 1,2-Dichloropropane	9.39	63	28407	5.019	ug/l	96
46) Dibromomethane	9.48	93	14891	4.926	ug/l	97
47) Bromodichloromethane	9.67	83	38859	4.918	ug/l	97
48) Methyl methacrylate	9.46	41	19714	7.039	ug/l	97
49) 1,4-Dioxane	9.47	88	3479	105.303	ug/l #	77
51) 4-Methyl-2-Pentanone	10.23	43	95725	31.826	ug/l	100
52) Toluene	10.41	92	71671	4.969	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	39025	5.450	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	46504	5.348	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	18989	4.495	ug/l	98
56) Ethyl methacrylate	10.67	69	27997	6.271	ug/l	95
57) 1,3-Dichloropropane	10.95	76	33210	4.701	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	61268	26.636	ug/l	99
59) 2-Hexanone	10.99	43	65600	32.631	ug/l	98
60) Dibromochloromethane	11.14	129	26291	4.705	ug/l	96
61) 1,2-Dibromoethane	11.26	107	19768	4.885	ug/l	100
64) Tetrachloroethene	10.88	164	26911	5.009	ug/l	97
65) Chlorobenzene	11.68	112	73356	4.985	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	27035	4.832	ug/l	97
67) Ethyl Benzene	11.75	91	137692	5.608	ug/l	100
68) m/p-Xylenes	11.86	106	104021	10.888	ug/l	99
69) o-Xylene	12.19	106	47313	5.665	ug/l	100
70) Styrene	12.20	104	80483	5.502	ug/l	100
71) Bromoform	12.37	173	14994	4.736	ug/l #	99
73) Isopropylbenzene	12.48	105	136059	6.448	ug/l	99
74) N-amyl acetate	12.30	43	37247	7.970	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	22374	5.719	ug/l	96
76) 1,2,3-Trichloropropane	12.80	75	12692m	4.750	ug/l	
77) Bromobenzene	12.77	156	30371	5.354	ug/l	97
78) n-propylbenzene	12.83	91	154535	6.074	ug/l	99
79) 2-Chlorotoluene	12.91	91	87574	5.995	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	108780	6.126	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	8277	6.906	ug/l	90
82) 4-Chlorotoluene	13.01	91	93861	5.994	ug/l	98
83) tert-Butylbenzene	13.23	119	93034	6.296	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	108543	6.179	ug/l	98
85) sec-Butylbenzene	13.41	105	131783	6.220	ug/l	99
86) p-Isopropyltoluene	13.53	119	118168	6.094	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	56087	5.130	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	56736	5.199	ug/l	94
89) n-Butylbenzene	13.86	91	113721	6.374	ug/l	97
90) Hexachloroethane	14.12	117	23078	5.427	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	47269	5.074	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3774	6.068	ug/l	99

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ClientSampleId :
VSTDICC005

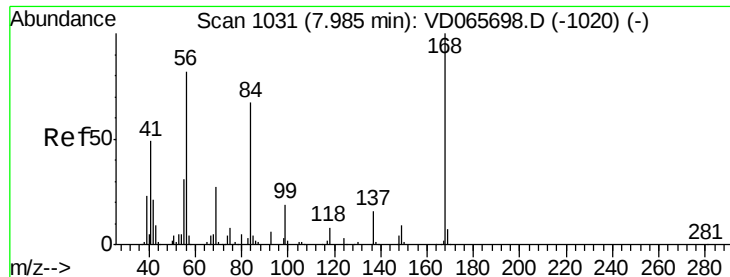
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	36914	5.895	ug/l	99
94) Hexachlorobutadiene	15.28	225	21368	5.052	ug/l	98
95) Naphthalene	15.41	128	65099	6.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	30668	5.682	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 513337

Ion Ratio Lower Upper

168 100

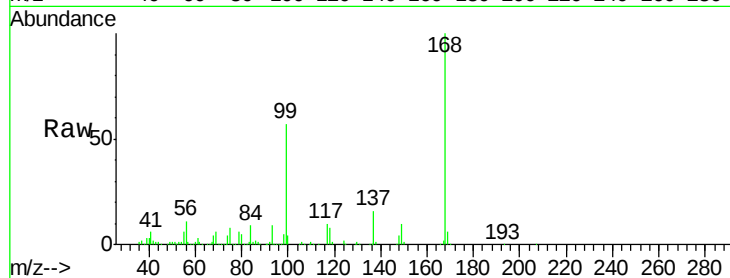
99 56.3 44.2 66.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

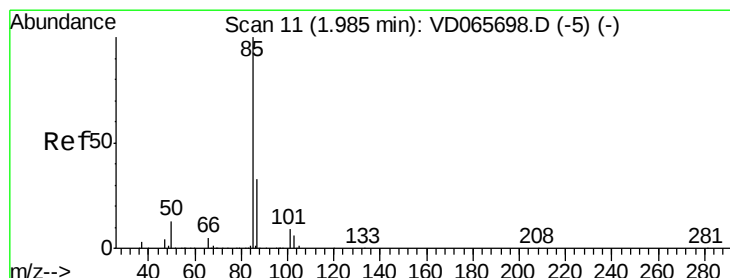
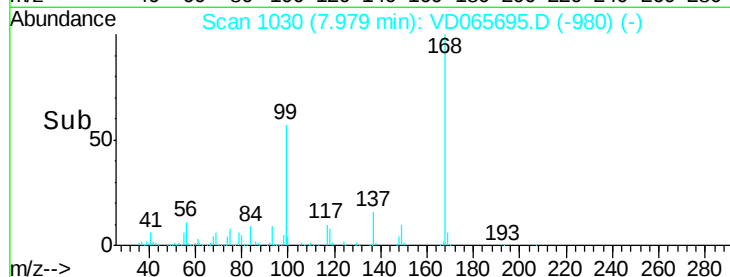
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.519 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065695.D

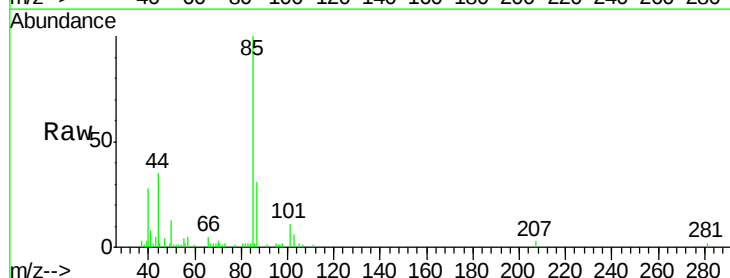
Acq: 06 May 2020 14:17

Tgt Ion: 85 Resp: 24640

Ion Ratio Lower Upper

85 100

87 30.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

20000

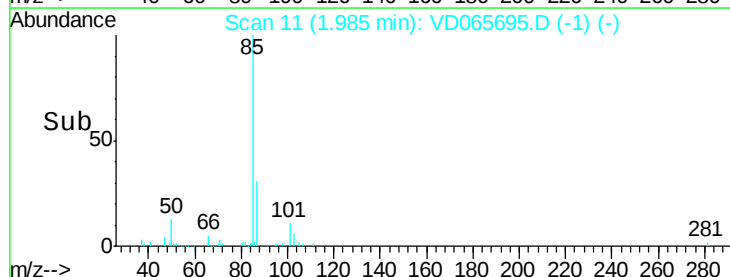
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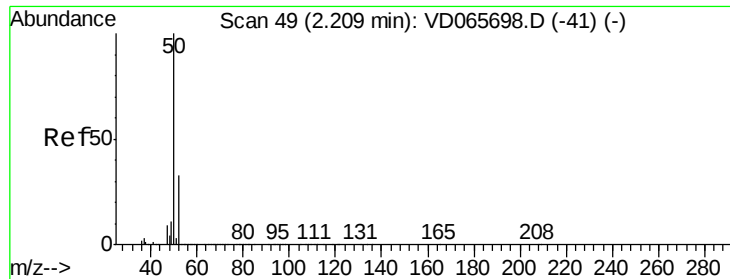
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5000

0

Time-->





#3

Chloromethane

Concen: 5.055 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 28470

Ion Ratio Lower Upper

50 100

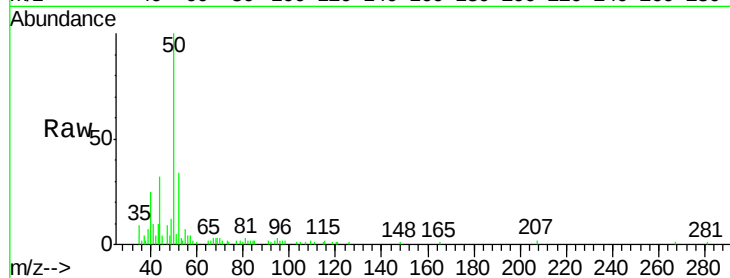
52 34.4 26.1 39.1

Manual Integrations

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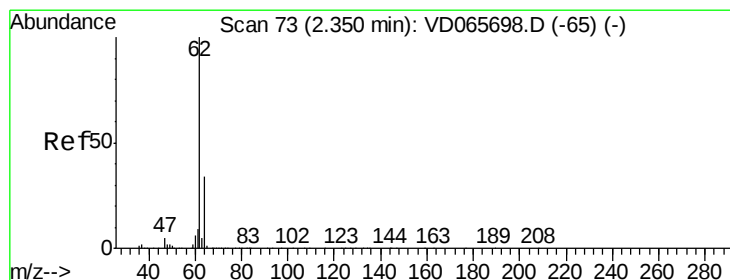
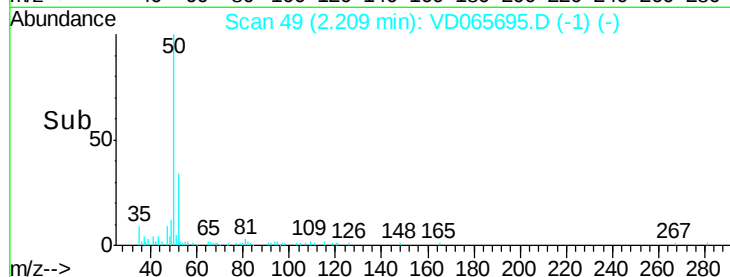
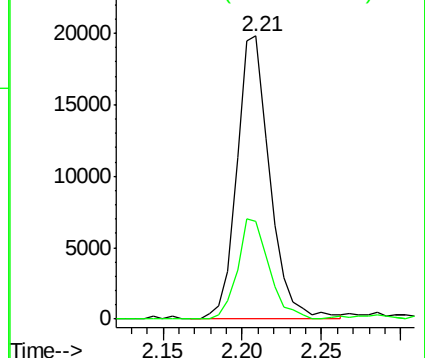
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.274 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065695.D

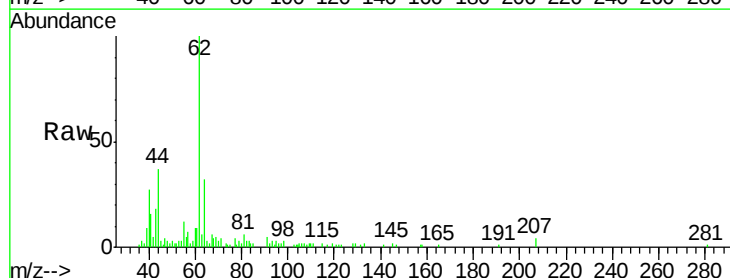
Acq: 06 May 2020 14:17

Tgt Ion: 62 Resp: 27982

Ion Ratio Lower Upper

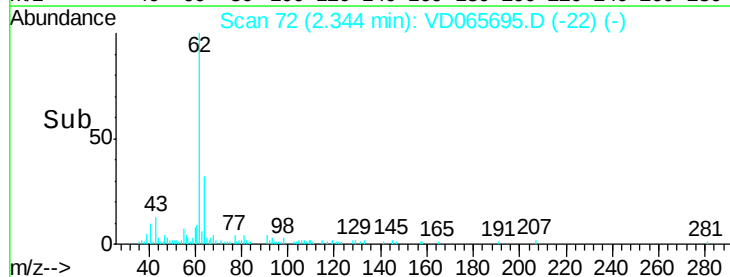
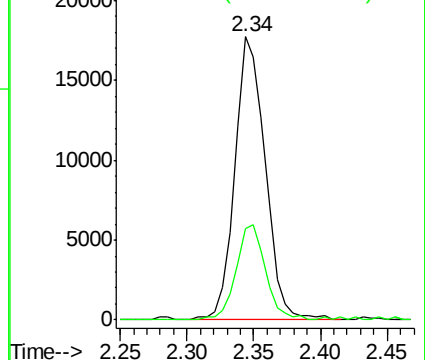
62 100

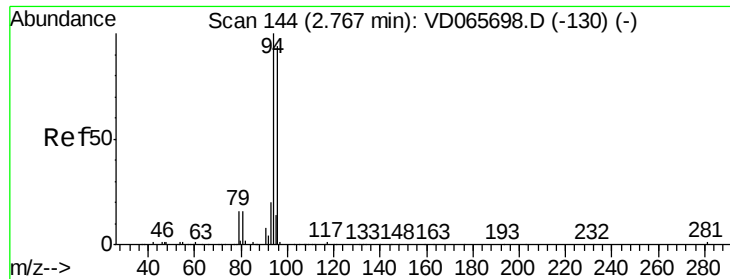
64 32.2 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 4.717 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 17514

Ion Ratio Lower Upper

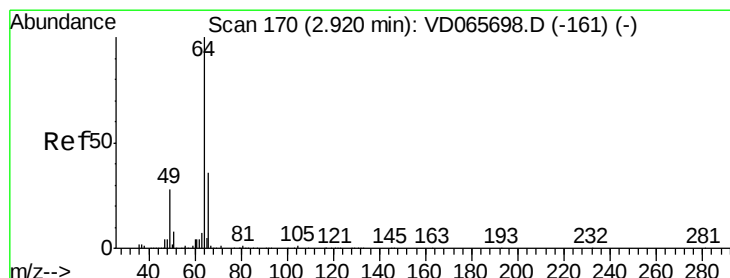
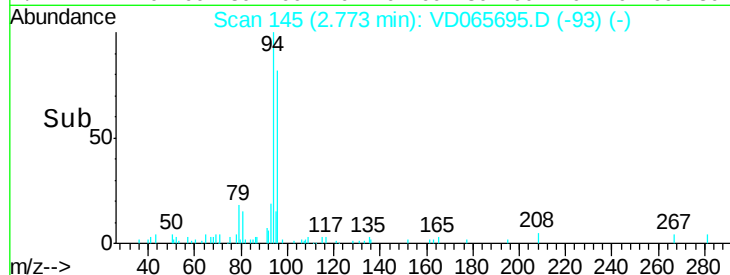
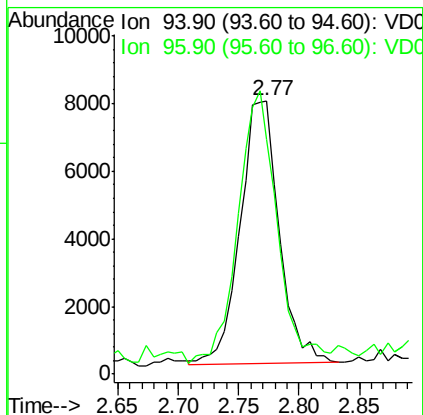
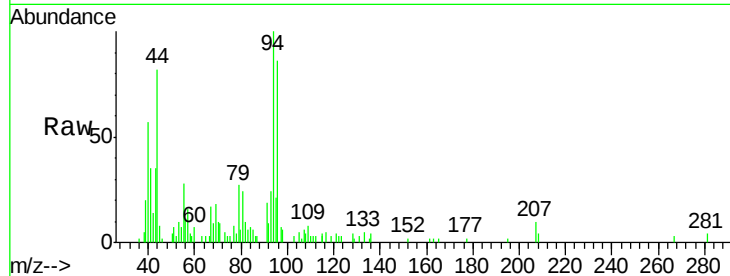
94 100

96 85.5 75.0 112.6

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5/7/2020 10:35:54 AM



#6

Chloroethane

Concen: 5.449 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065695.D

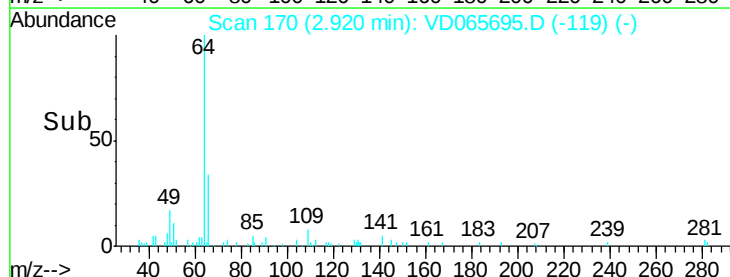
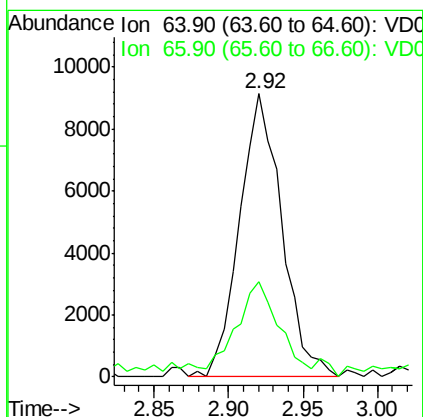
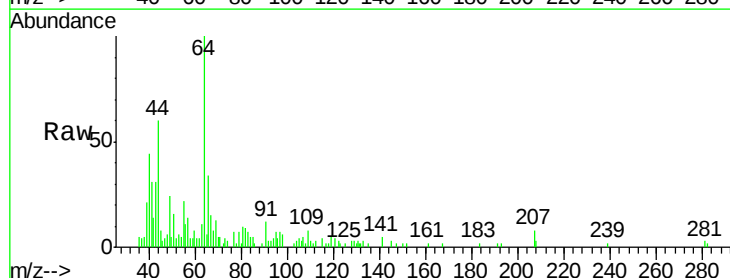
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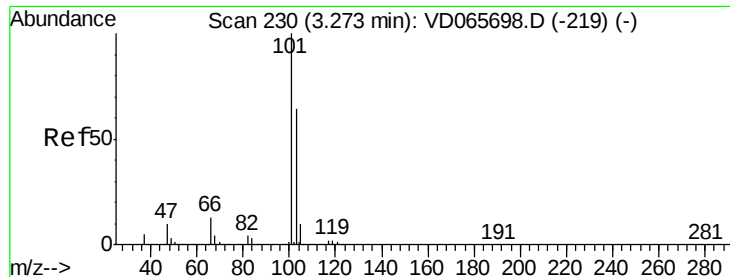
Tgt Ion: 64 Resp: 17997

Ion Ratio Lower Upper

64 100

66 33.5 28.5 42.7





#7

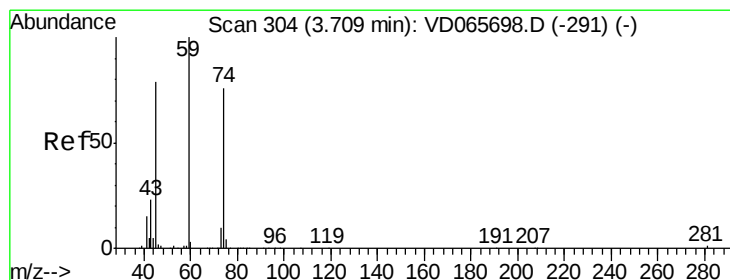
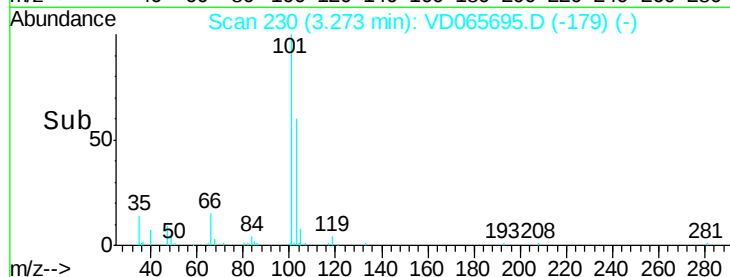
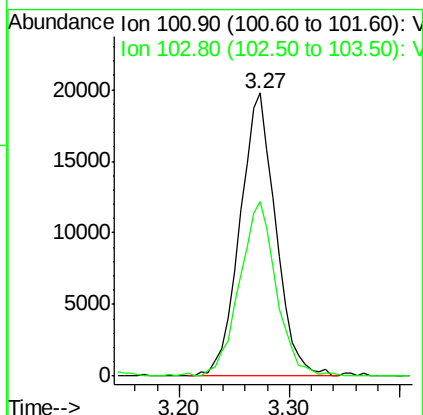
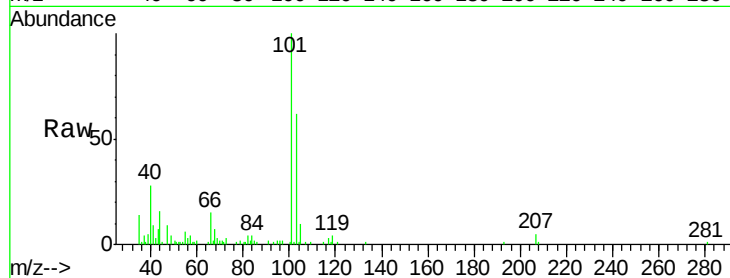
Trichlorofluoromethane
 Concen: 5.477 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	51.1	76.7

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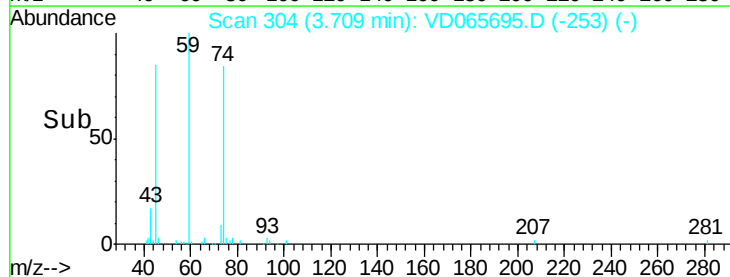
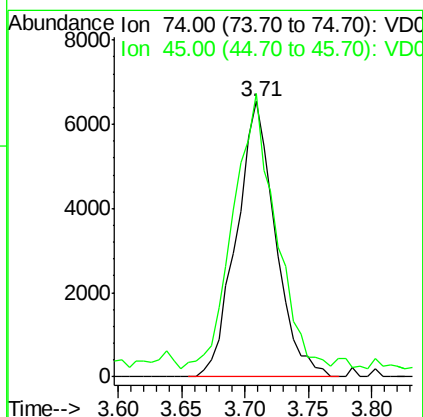
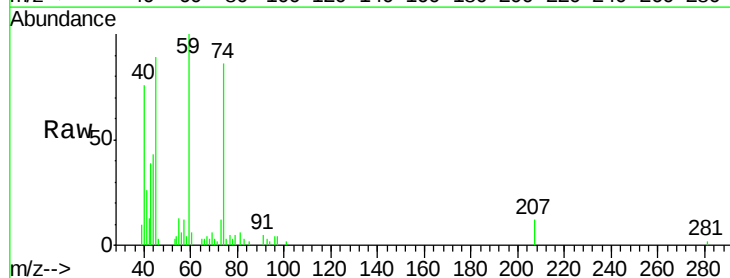
MMDadoda
 5/7/2020 10:35:54 AM

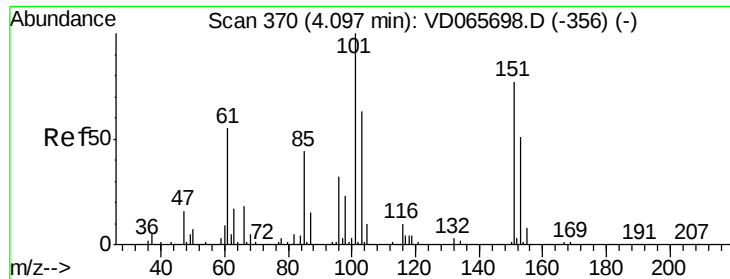


#8

Diethyl Ether
 Concen: 7.611 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.4	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.144 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

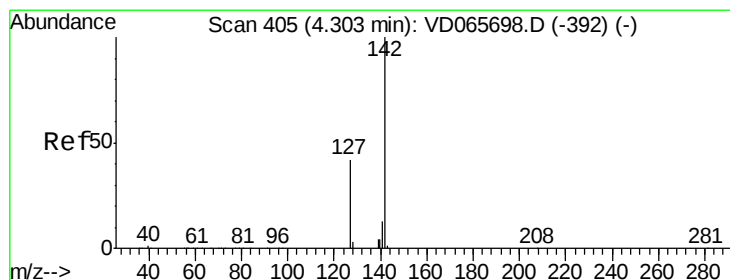
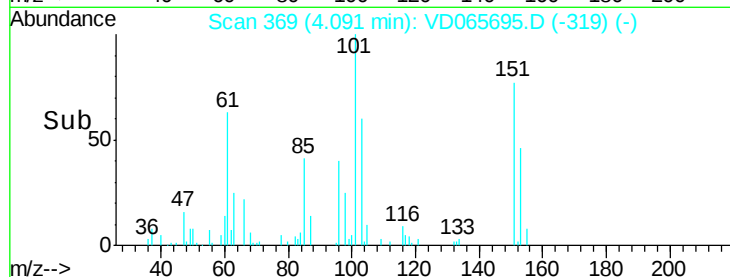
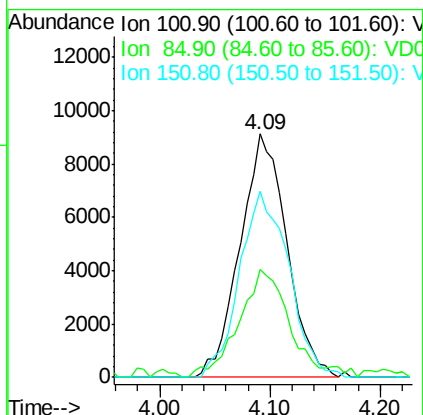
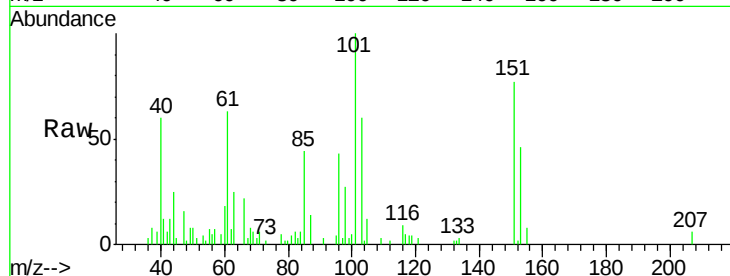
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	27087
Ion Ratio	Lower	Upper	
101	100		
85	48.3	34.4	51.6
151	80.6	63.0	94.4

Manual Integrations
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#10

Methyl Iodide

Concen: 4.158 ug/l

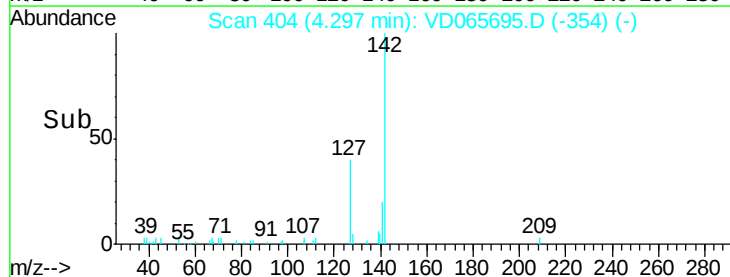
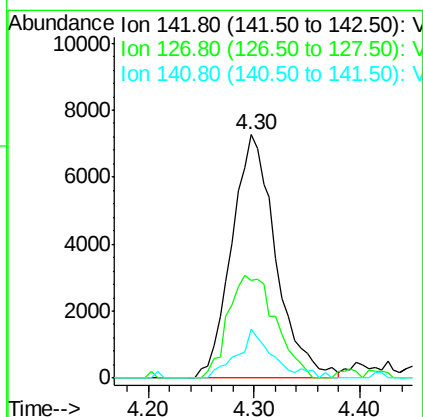
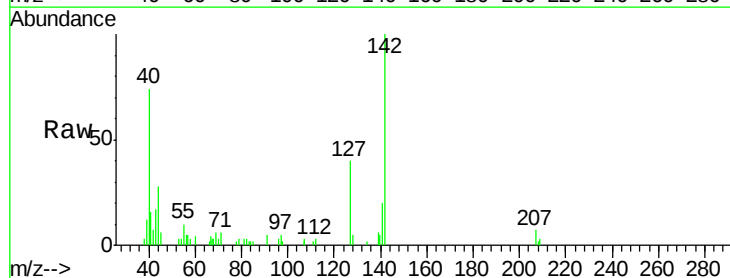
RT: 4.30 min Scan# 404

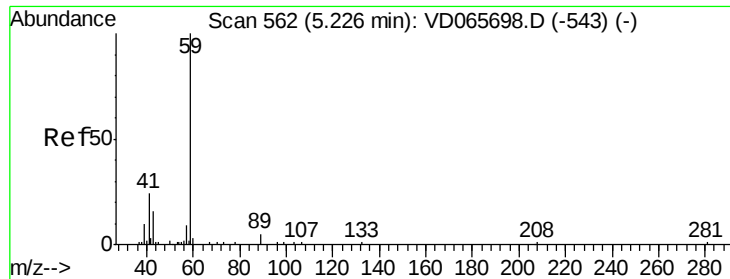
Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Tgt Ion:	142	Resp:	21013
Ion Ratio	Lower	Upper	
142	100		
127	45.4	34.5	51.7
141	15.0	11.6	17.4





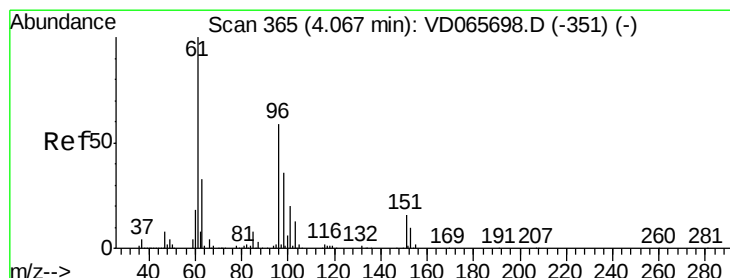
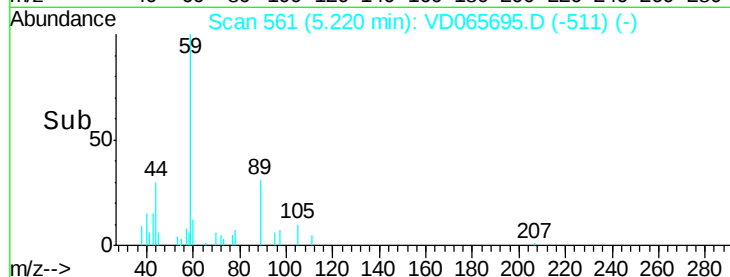
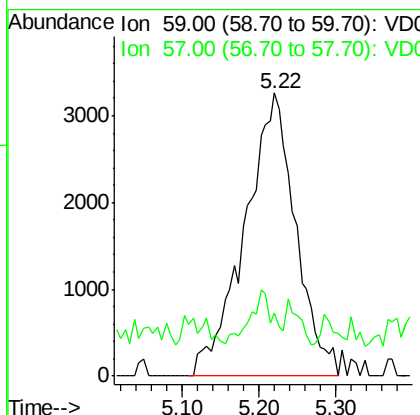
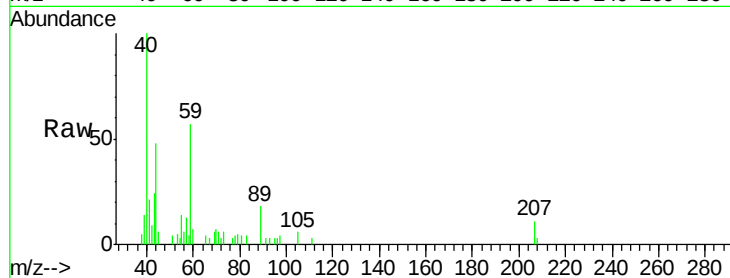
#11
Tert butyl alcohol
Concen: 54.622 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 15024
Ion Ratio Lower Upper
59 100
57 3.9 8.7 13.1#

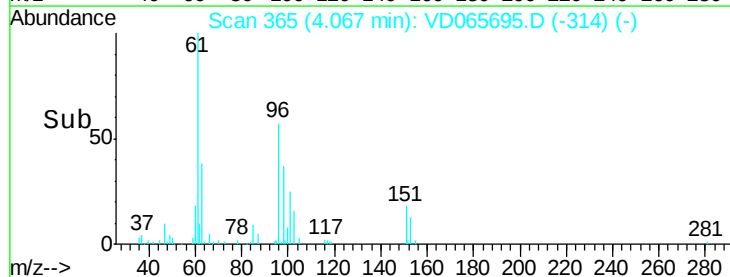
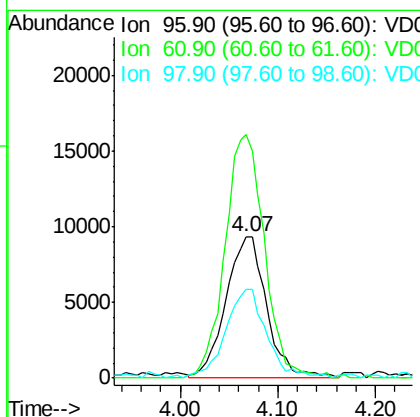
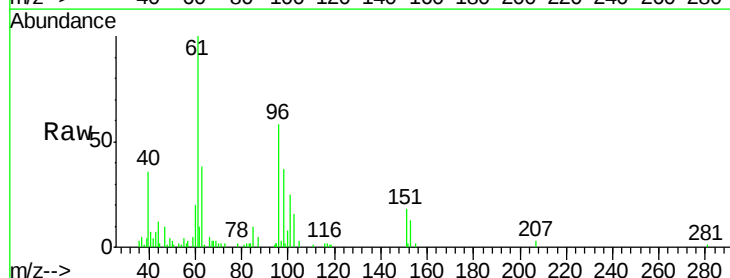
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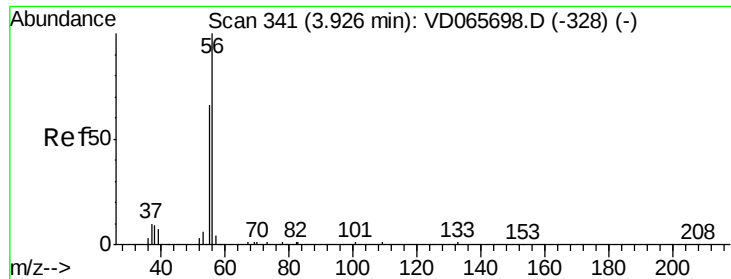
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#12
1,1-Dichloroethene
Concen: 5.549 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion: 96 Resp: 27244
Ion Ratio Lower Upper
96 100
61 171.8 136.0 204.0
98 61.2 49.7 74.5





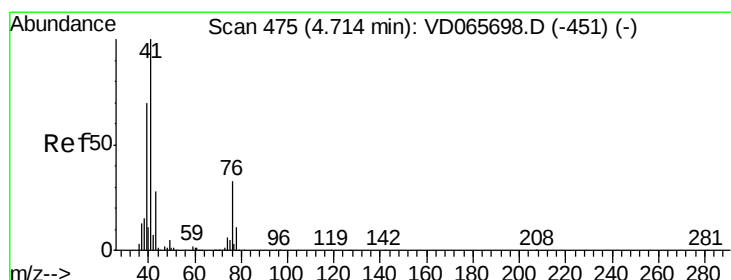
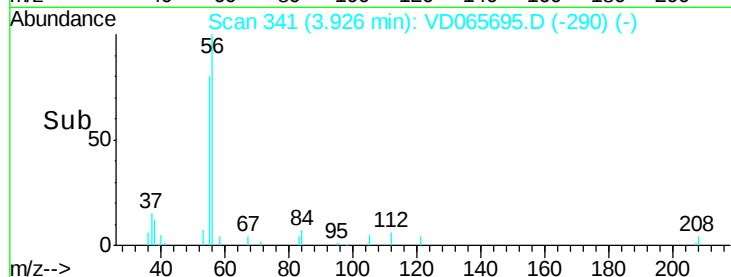
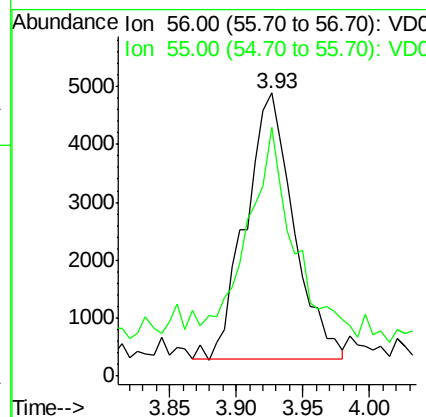
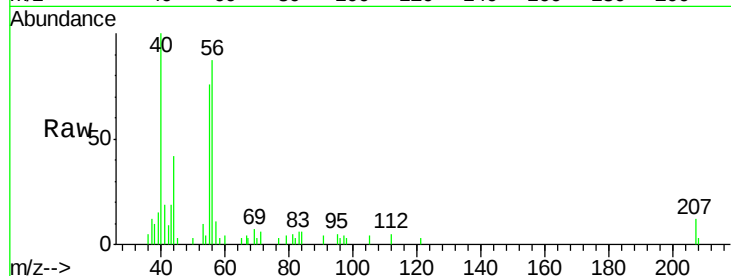
#13
Acrolein
Concen: 32.227 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	11395
Ion Ratio	100	Lower	Upper
55	79.3	56.7	85.1

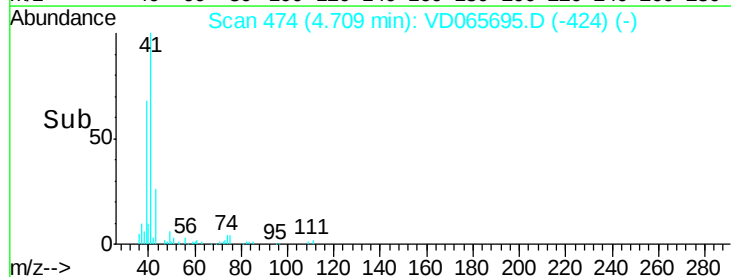
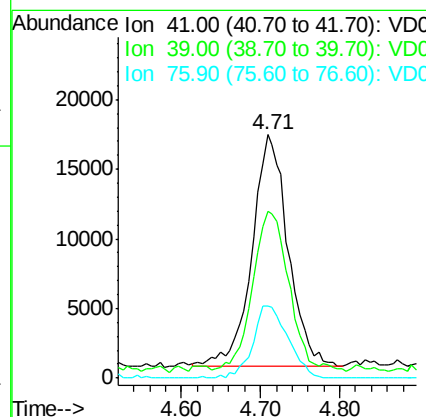
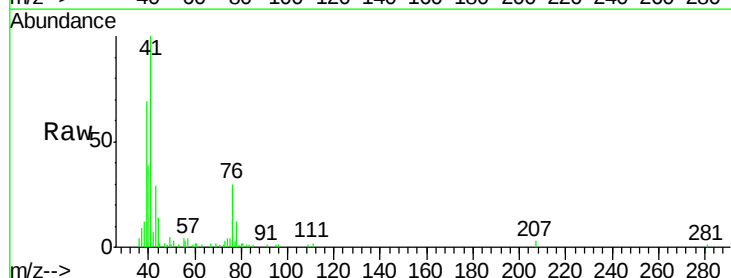
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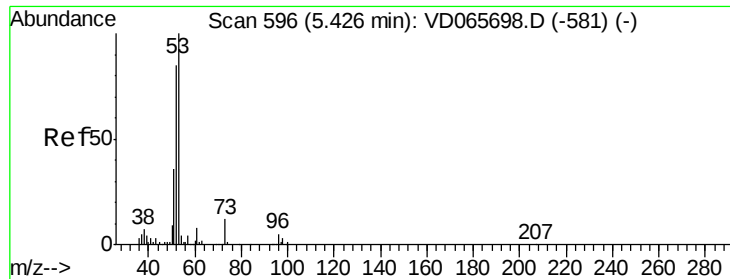
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#14
Allyl chloride
Concen: 6.802 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	41	Resp	52233
Ion Ratio	100	Lower	Upper
39	71.5	55.6	83.4
76	30.7	25.6	38.4





#15

Acrylonitrile

Concen: 32.315 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

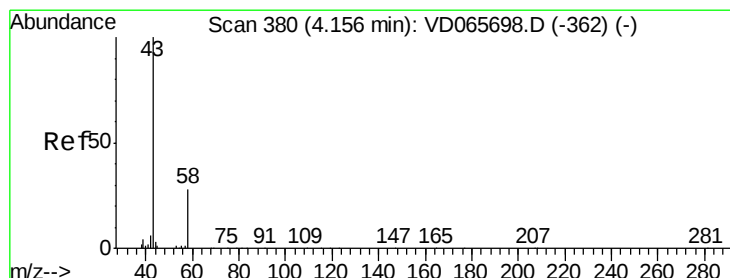
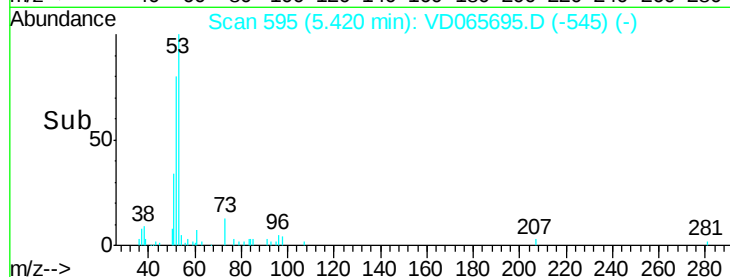
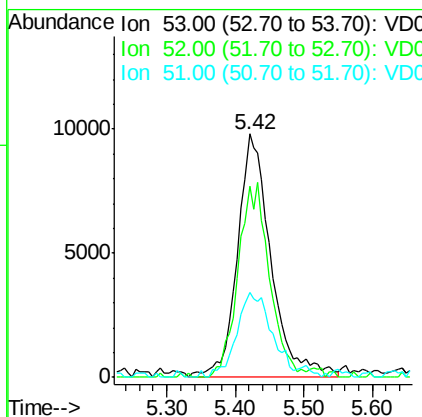
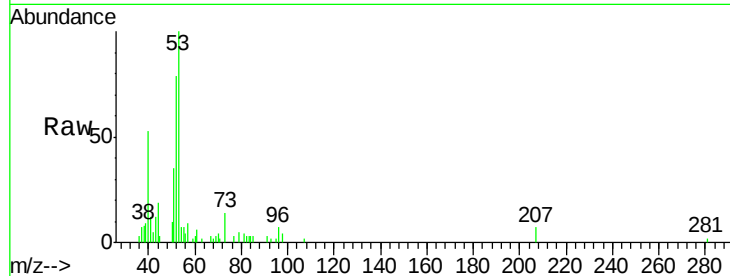
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	33391
Ion Ratio	Lower	Upper	
53	100		
52	74.6	66.2	99.2
51	36.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 29.560 ug/l

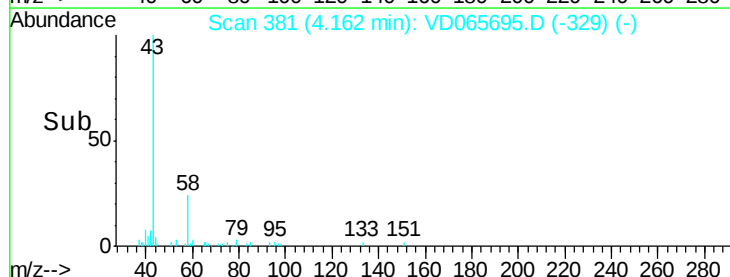
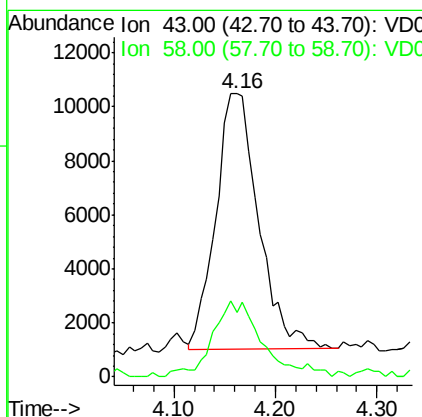
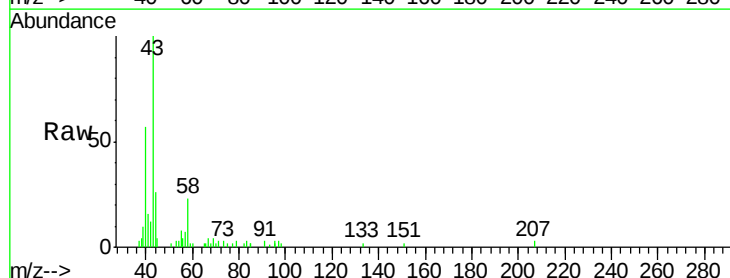
RT: 4.16 min Scan# 381

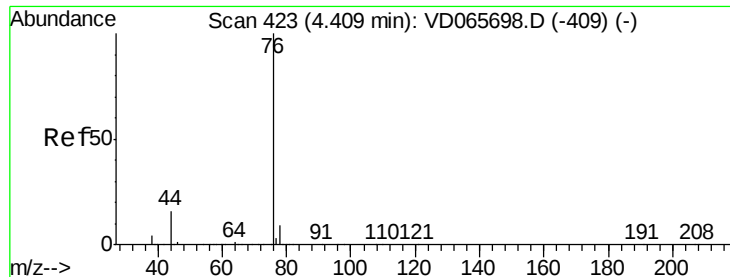
Delta R.T. 0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Tgt Ion:	43	Resp:	27982
Ion Ratio	Lower	Upper	
43	100		
58	23.3	22.5	33.7





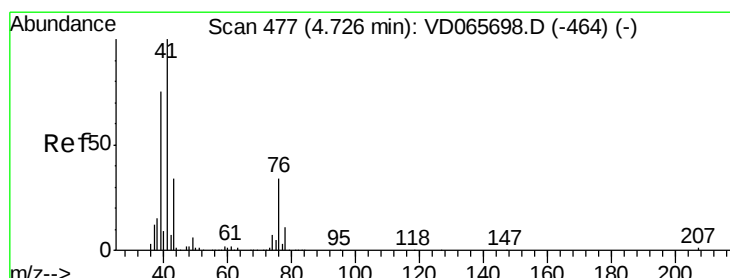
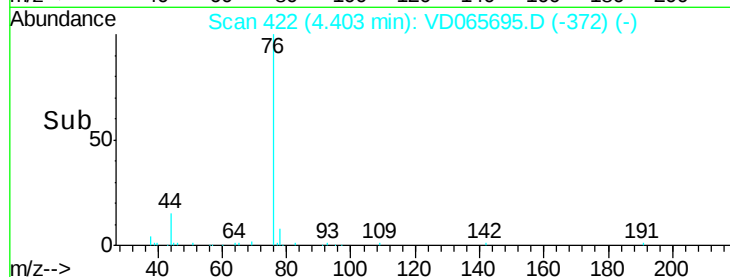
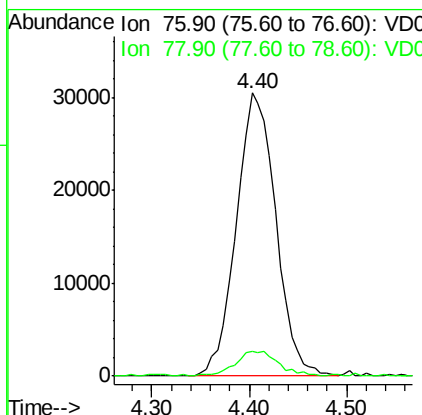
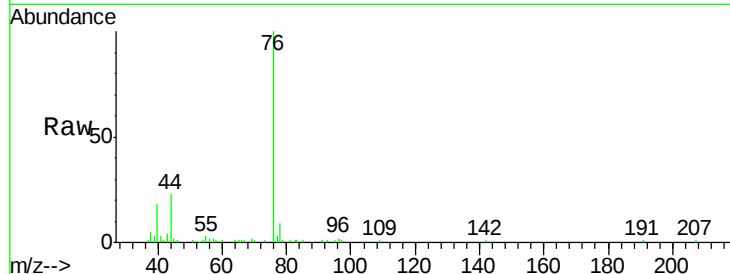
#17
Carbon Disulfide
Concen: 5.284 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2

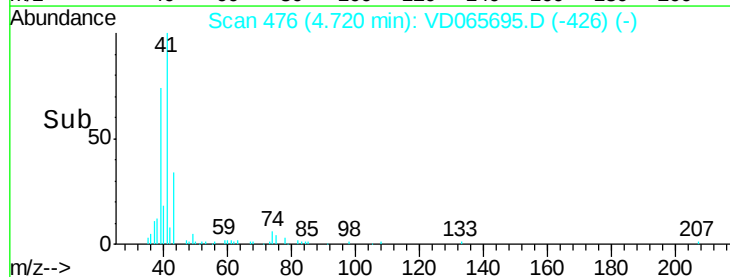
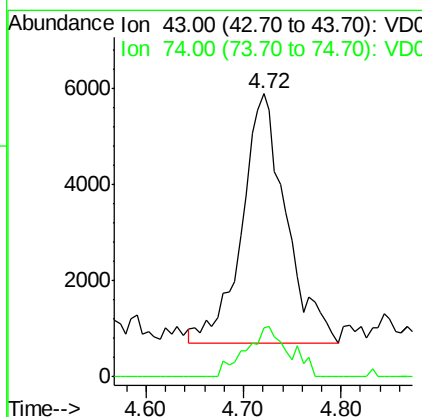
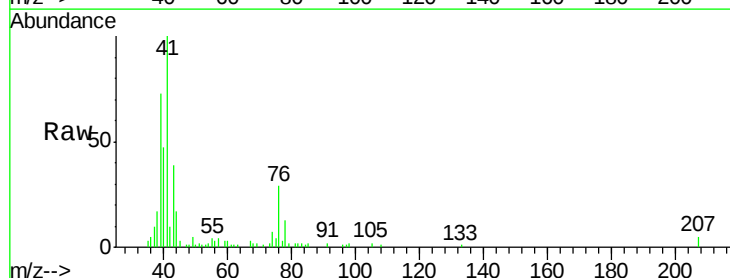
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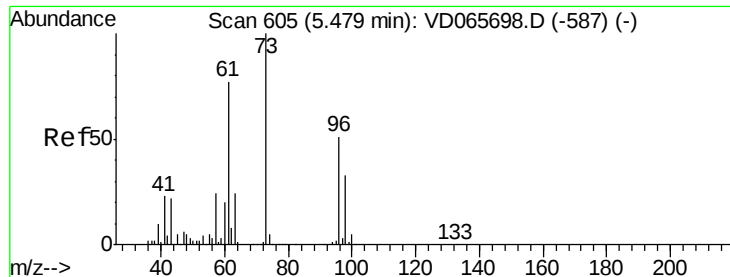
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#18
Methyl Acetate
Concen: 6.241 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.1	17.1	25.7#





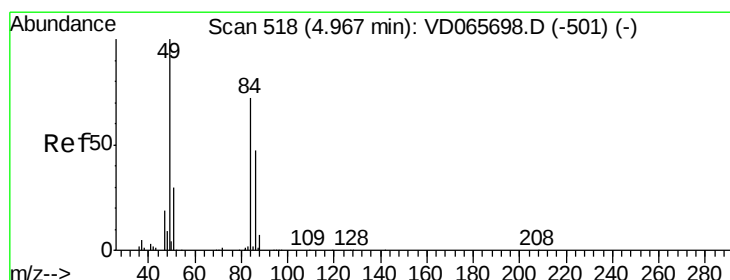
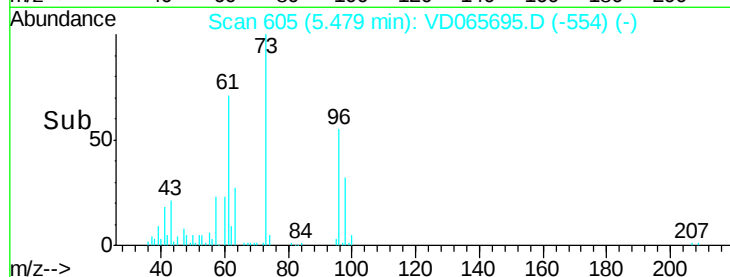
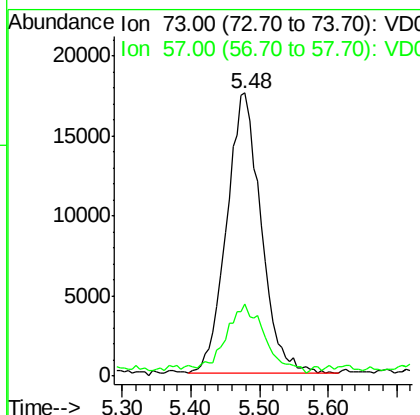
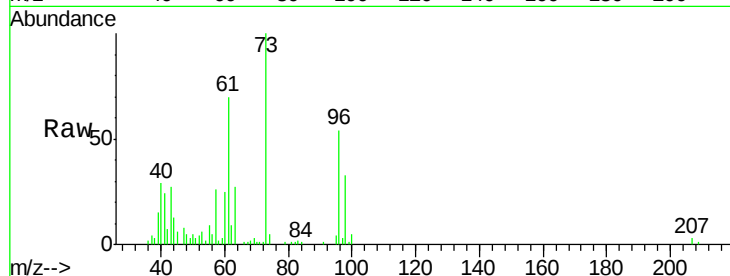
#19
Methvl tert-butvl Ether
Concen: 6.197 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 61255
Ion Ratio Lower Upper
73 100
57 22.3 19.4 29.0

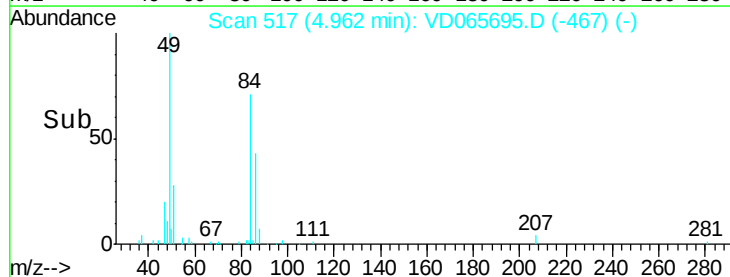
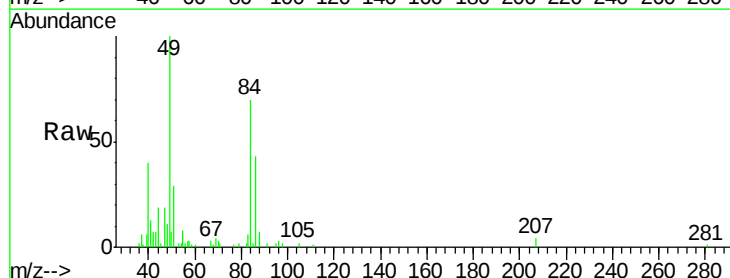
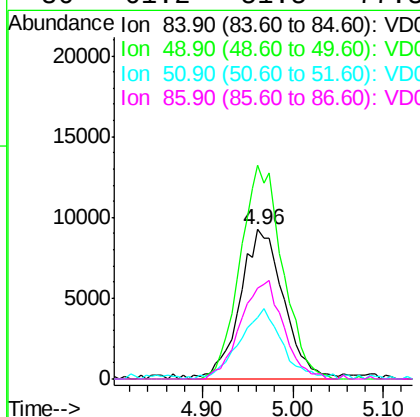
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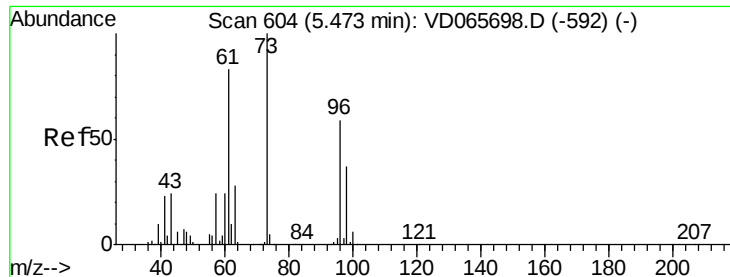
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#20
Methylene Chloride
Concen: 5.346 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion: 84 Resp: 30958
Ion Ratio Lower Upper
84 100
49 143.0 110.4 165.6
51 40.9 33.4 50.2
86 61.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 5.698 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

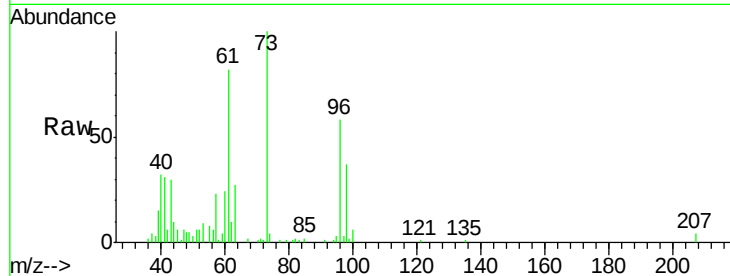
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	31388
Ion	Ratio	Lower	Upper
96	100		
61	141.3	113.0	169.4
98	64.7	49.5	74.3

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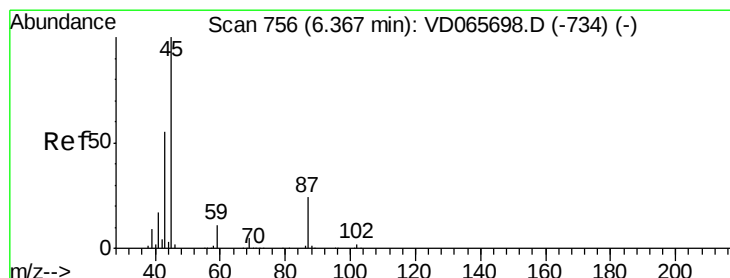
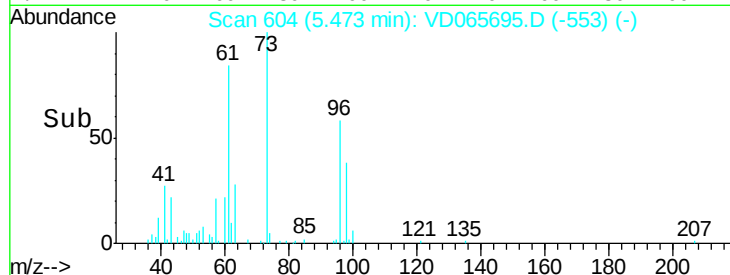
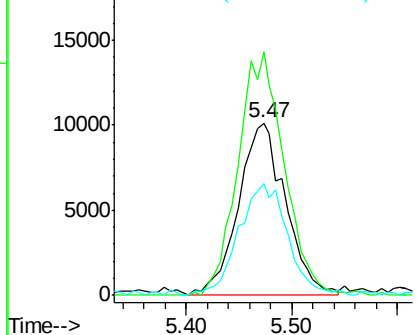


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 6.396 ug/l

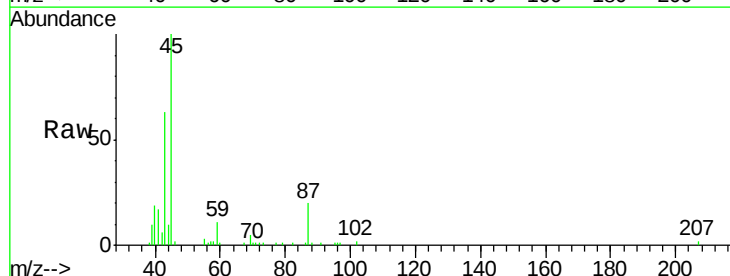
RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Tgt Ion:	45	Resp:	93432
Ion	Ratio	Lower	Upper
45	100		
43	59.3	44.2	66.4
87	19.6	19.0	28.4
59	11.0	8.6	13.0



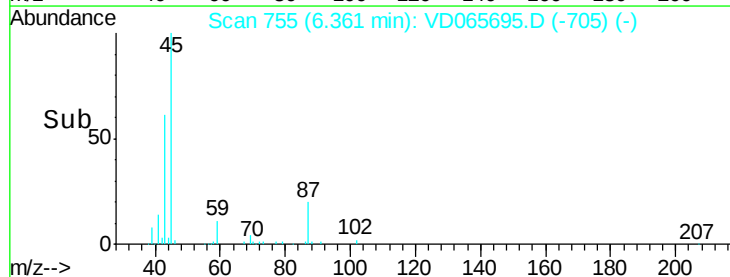
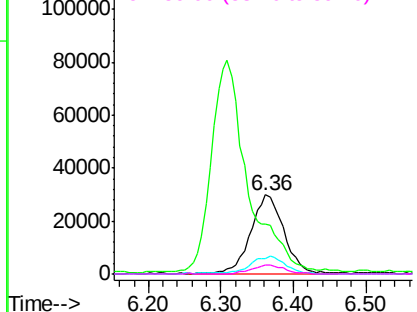
Abundance

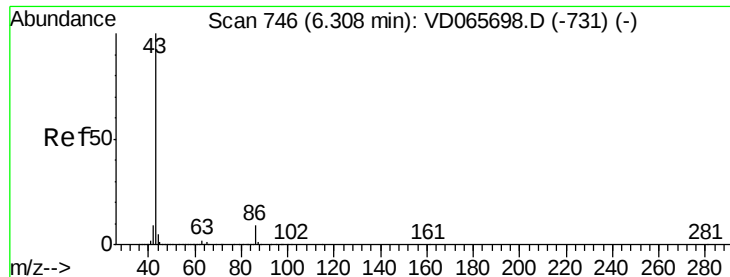
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 34.252 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 273521

Ion Ratio Lower Upper

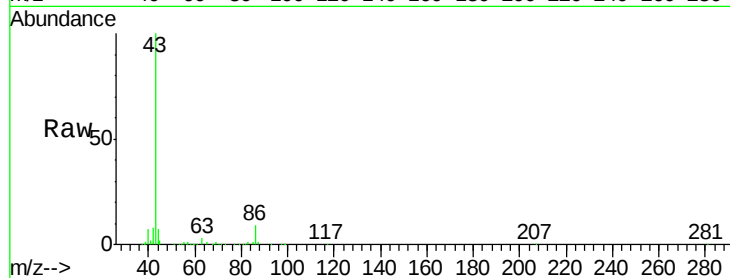
43 100

86 8.7 7.4 11.0

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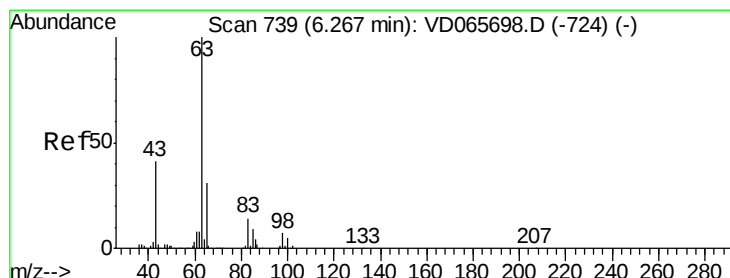
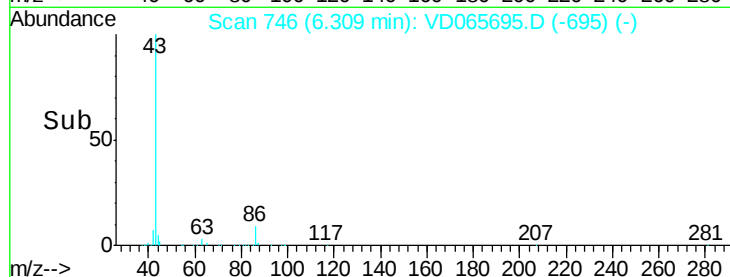
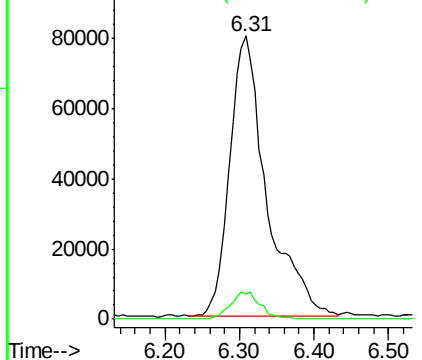
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.547 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

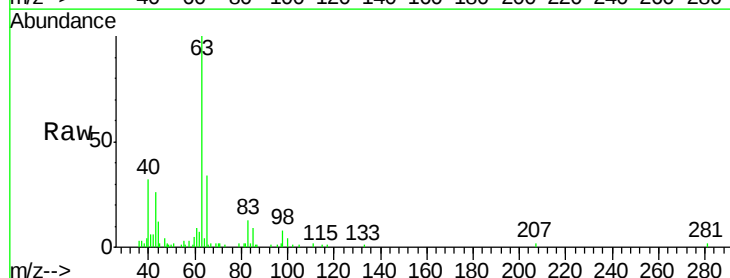
Tgt Ion: 63 Resp: 52200

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

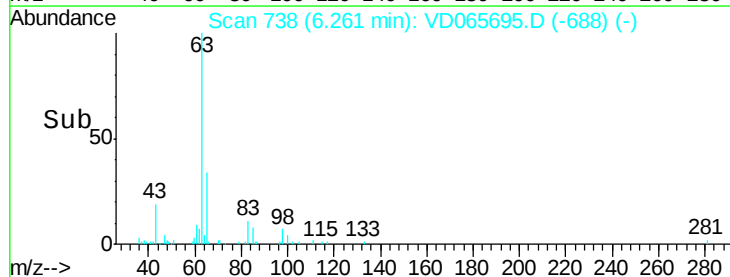
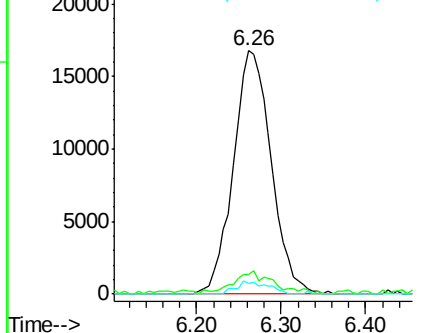
100 4.4 2.3 6.9

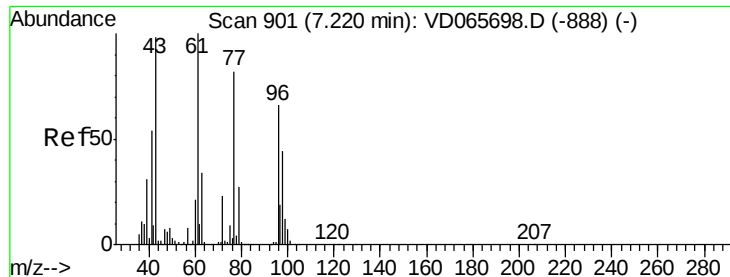


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 32.822 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 42395

Ion Ratio Lower Upper

43 100

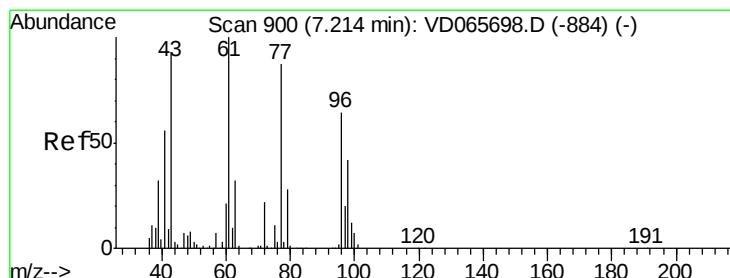
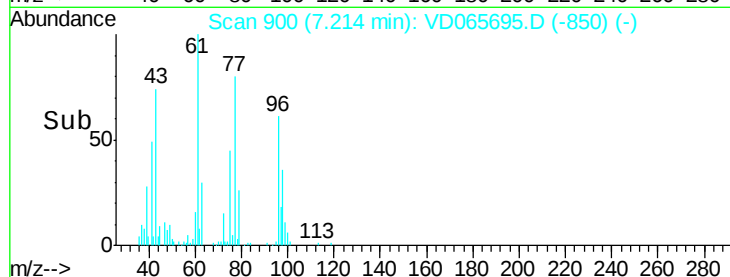
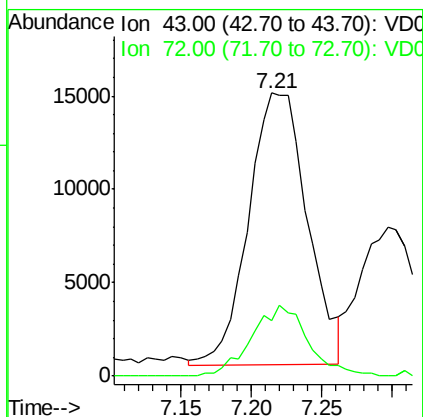
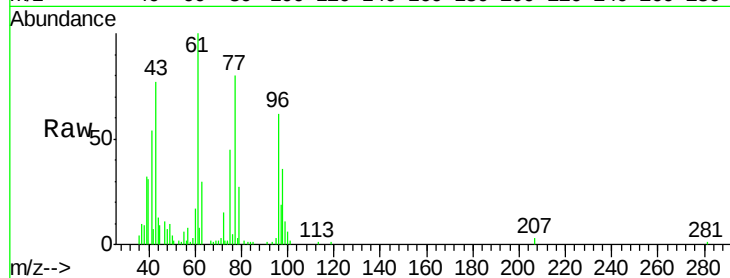
72 20.9 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 5.747 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065695.D

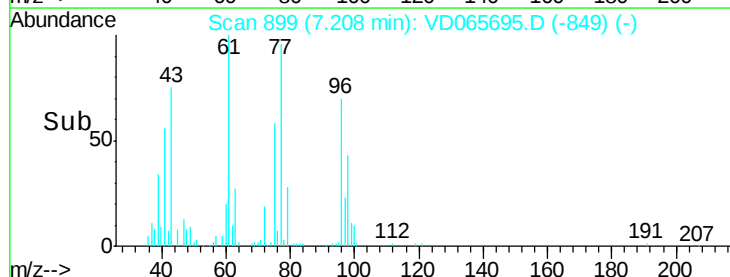
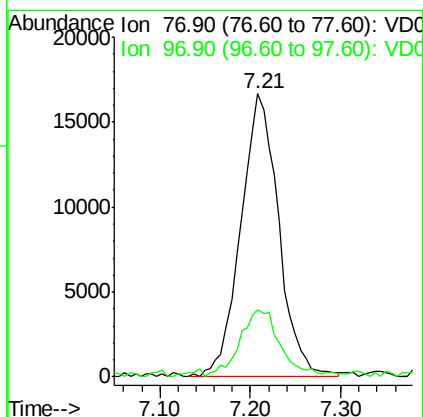
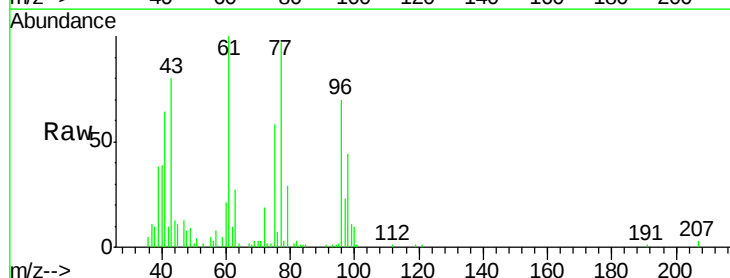
Acq: 06 May 2020 14:17

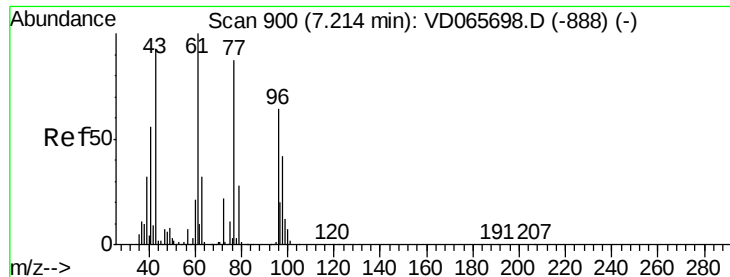
Tgt Ion: 77 Resp: 48483

Ion Ratio Lower Upper

77 100

97 25.2 11.3 33.9





#27

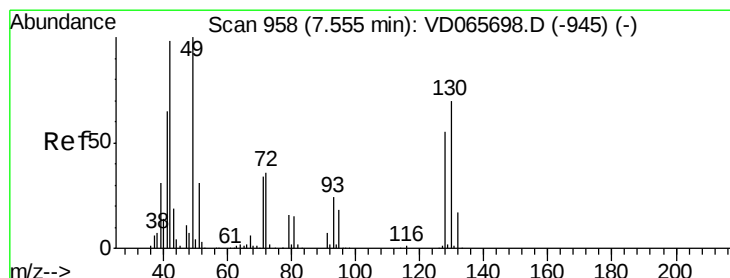
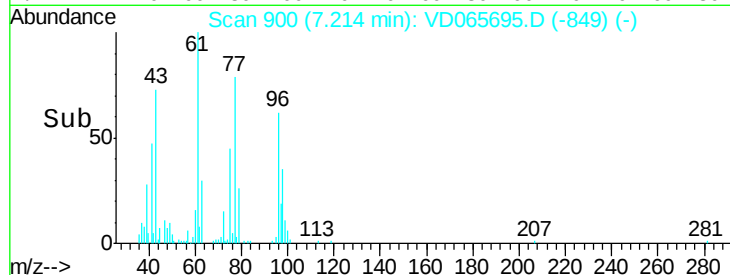
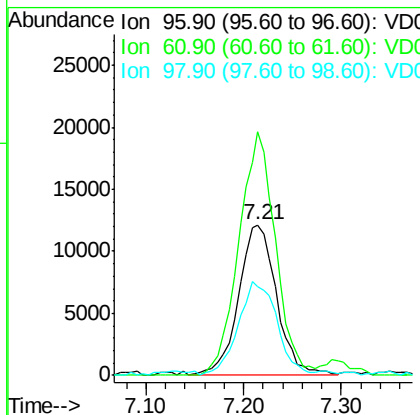
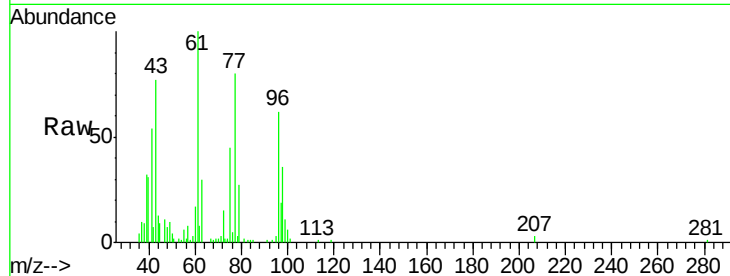
cis-1,2-Dichloroethene
Concen: 5.749 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	155.2	0.0	32907	0.0	306.6
98	63.8	0.0	129.4		

Manual Integrations
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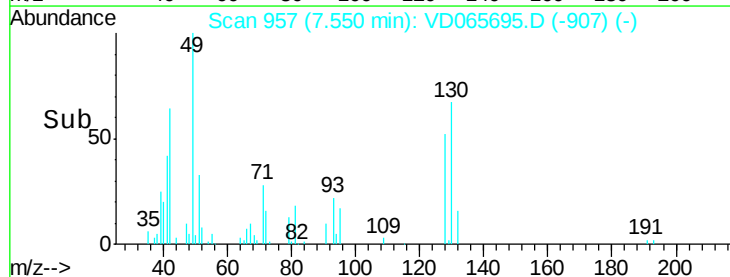
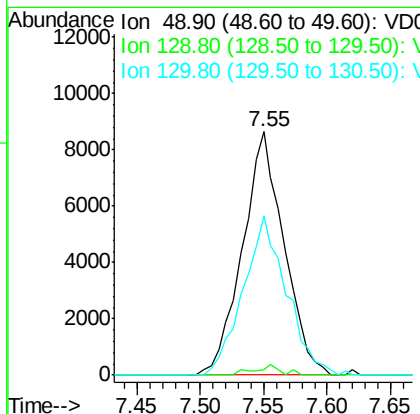
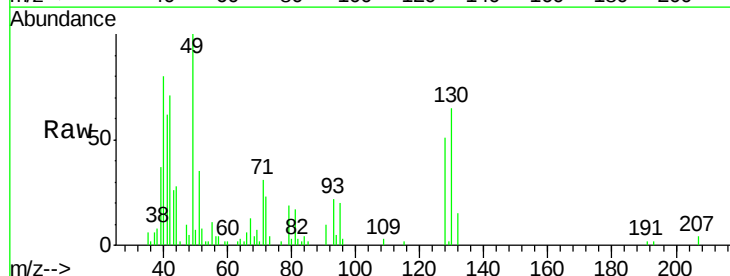
MMDadoda
5/7/2020 10:35:54 AM

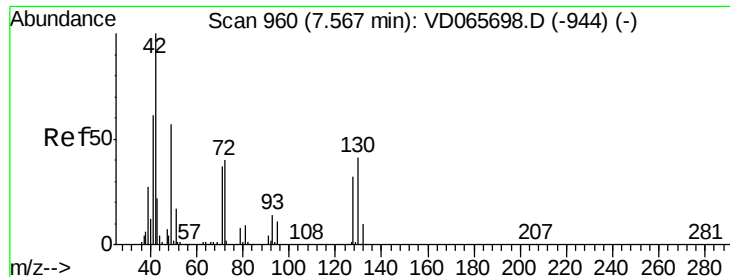


#28

Bromochloromethane
Concen: 5.109 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.6	0.0	19716	0.0	3.8
130	68.2	56.4	84.6		





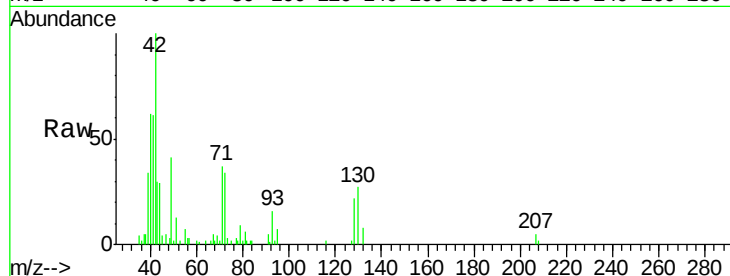
#29
Tetrahydrofuran
Concen: 34.823 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

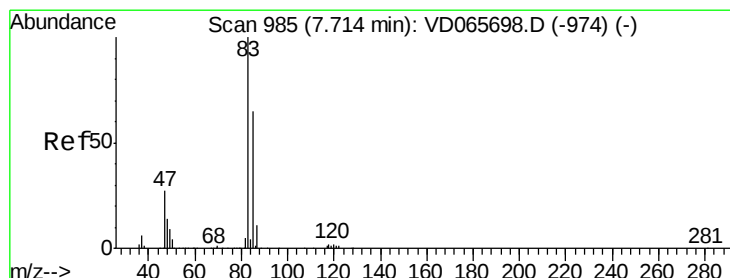
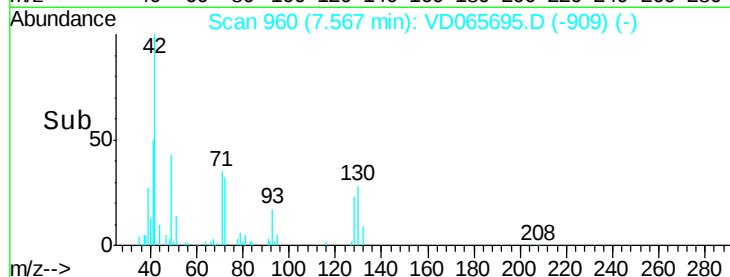
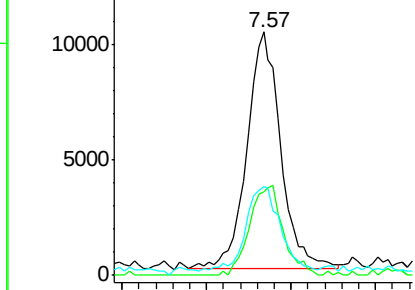
Tot Ion:	42	Resp:	28187
Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.4	45.6
71	39.4	28.0	42.0

Manual Integrations
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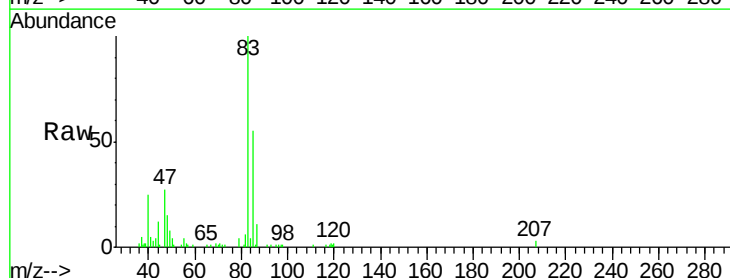


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

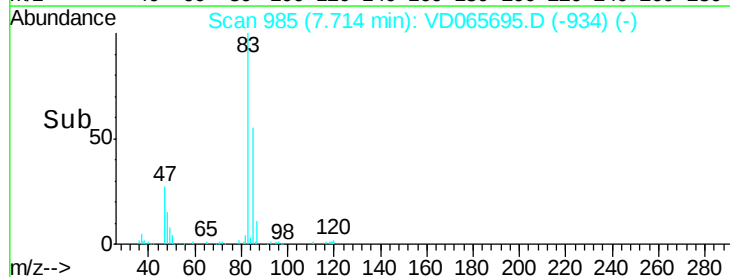
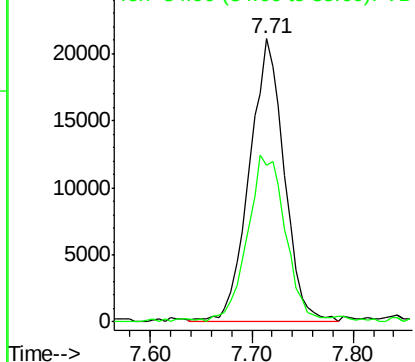


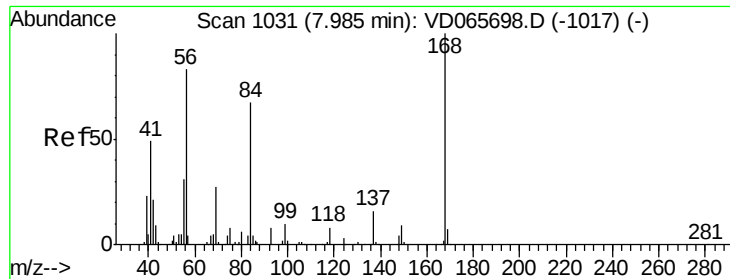
#30
Chloroform
Concen: 5.177 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion:	83	Resp:	50239
Ion	Ratio	Lower	Upper
83	100		
85	54.4	52.1	78.1



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





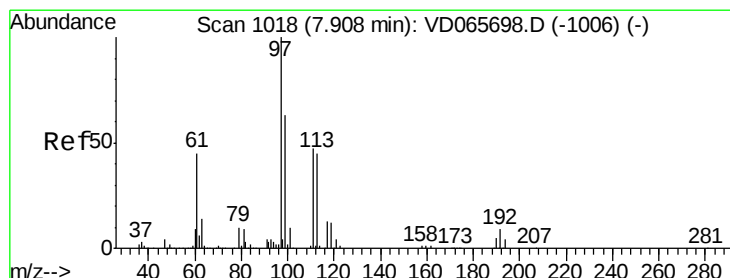
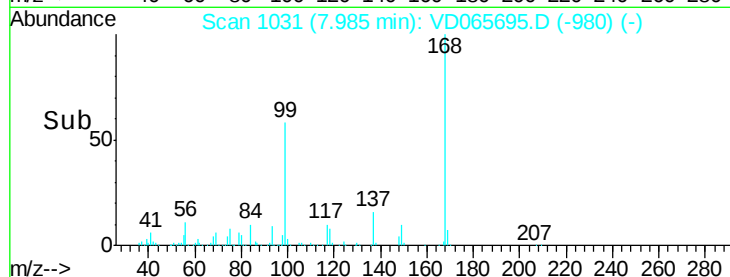
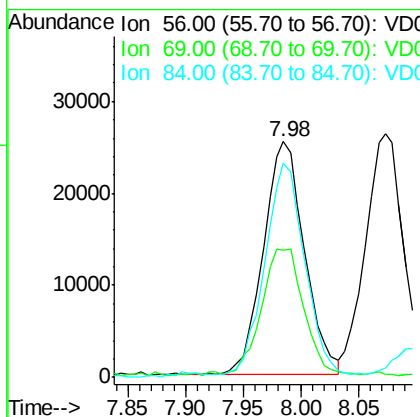
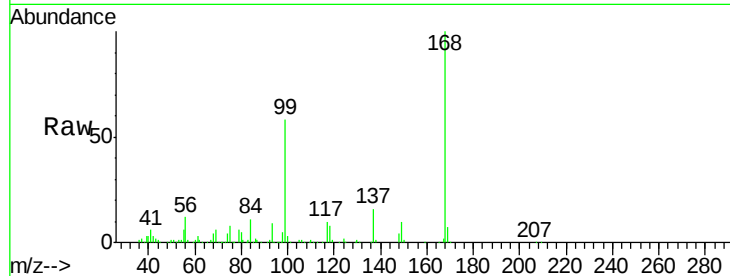
#31
Cyclohexane
Concen: 7.118 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	52.9	26.3	39.5#
84	90.1	64.5	96.7

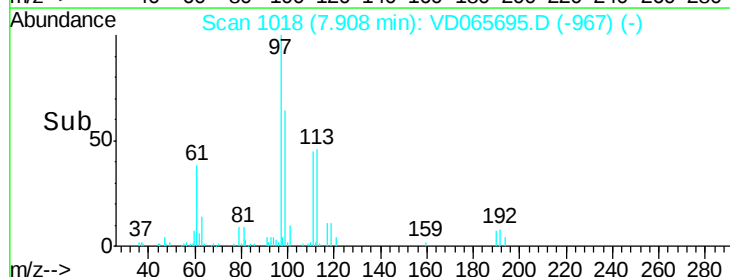
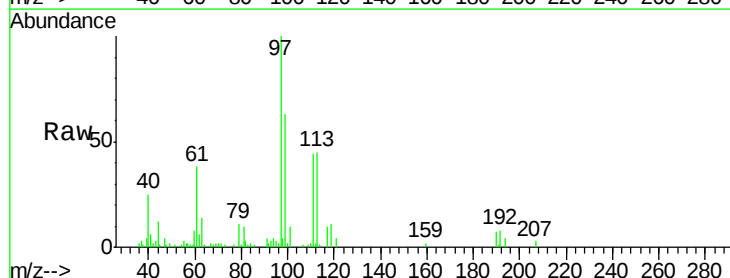
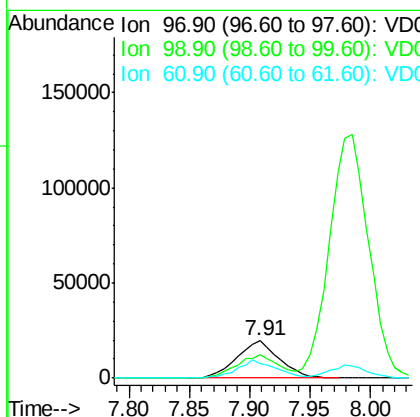
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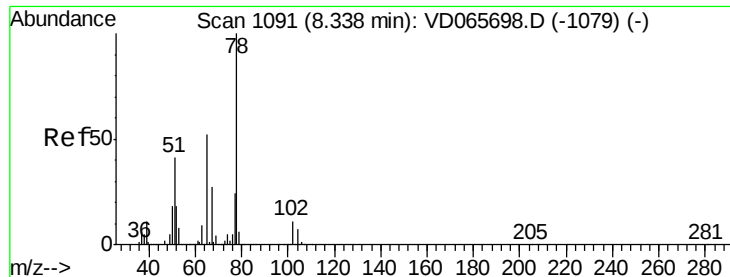
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#32
1,1,1-Trichloroethane
Concen: 5.472 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.4	50.8	76.2
61	44.0	36.0	54.0





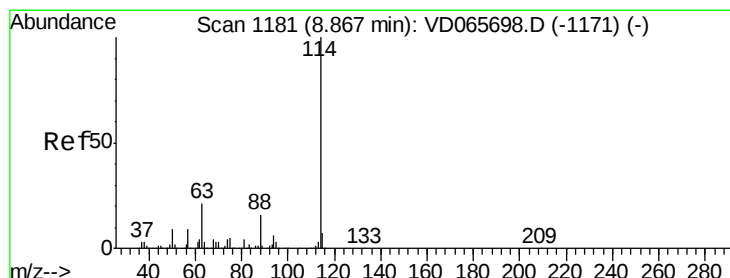
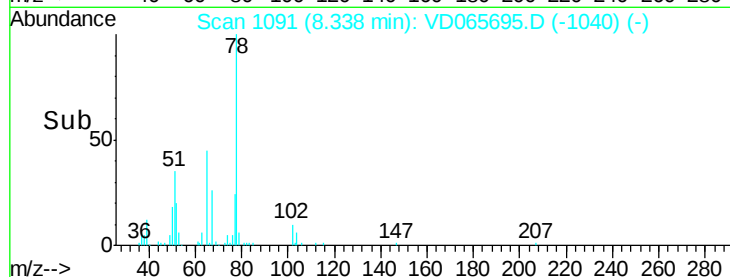
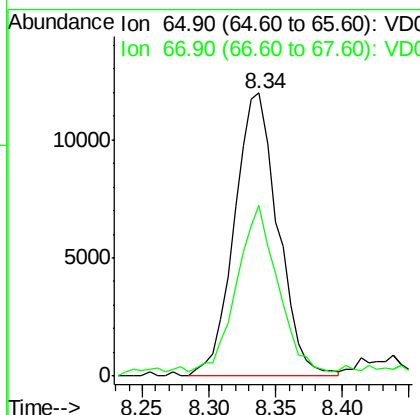
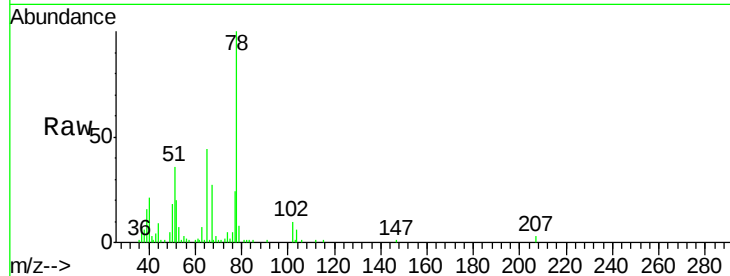
#33
 1,2-Dichloroethane-d4
 Concen: 5.437 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	103.8

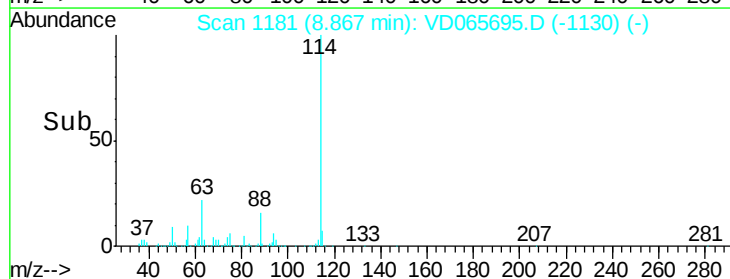
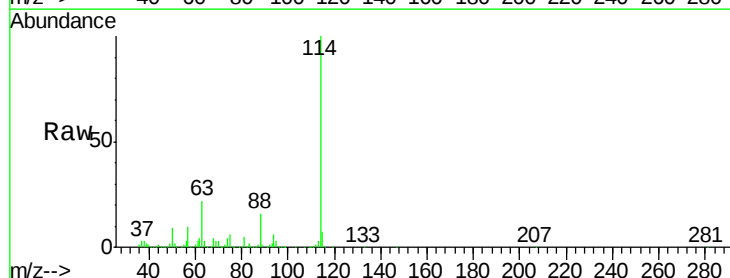
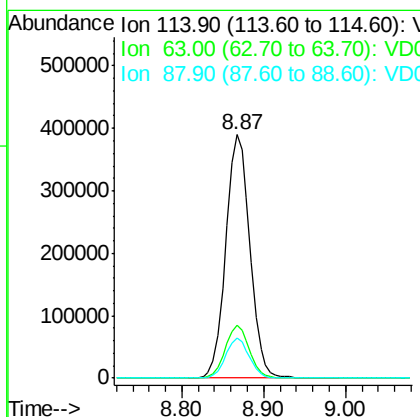
Manual Integrations
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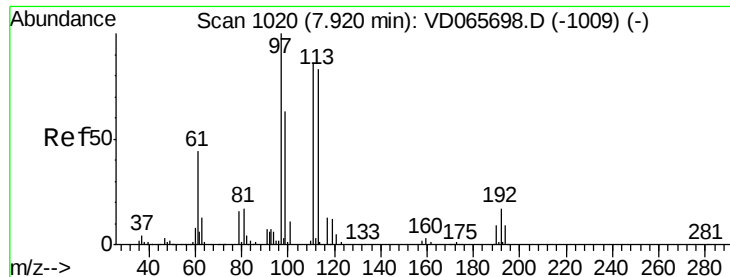
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	42.4
88	16.3	0.0	32.6





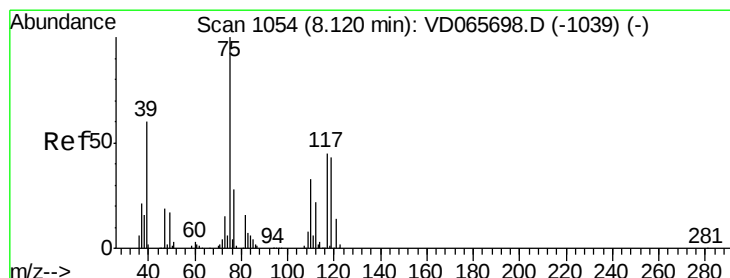
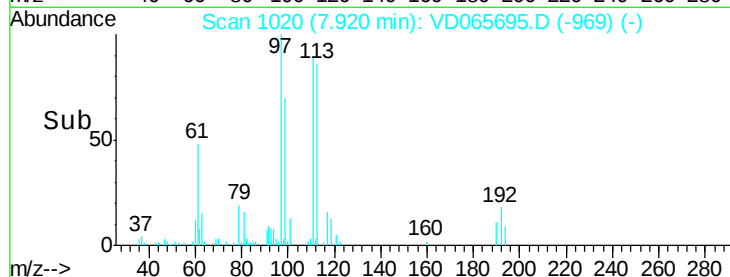
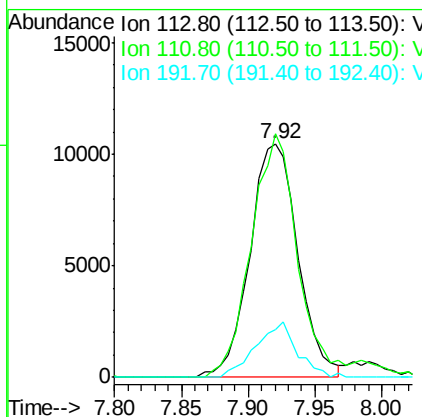
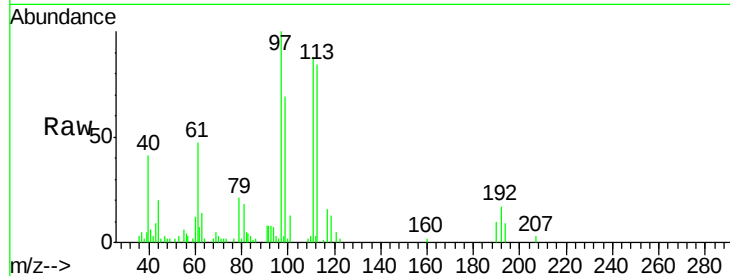
#35
Dibromofluoromethane
Concen: 4.735 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.7	124.1
192	20.5	17.0	25.4

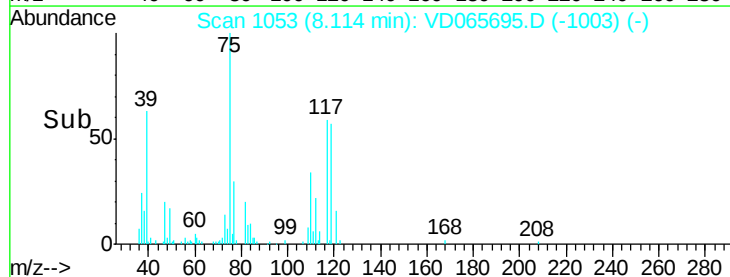
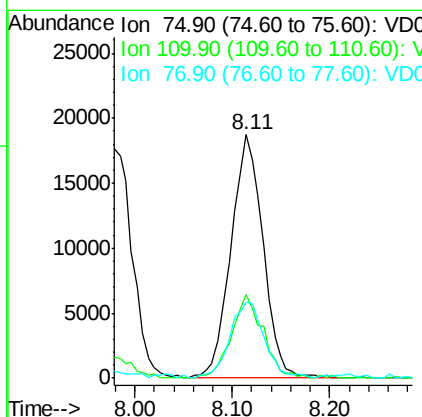
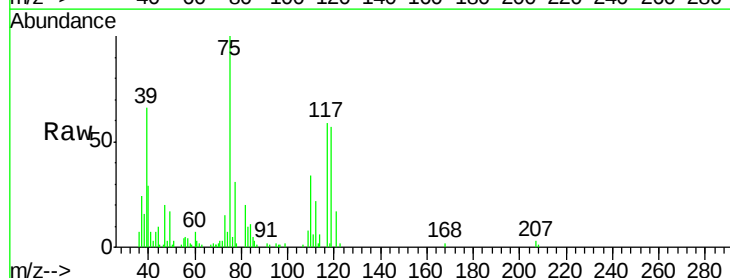
Manual Integrations
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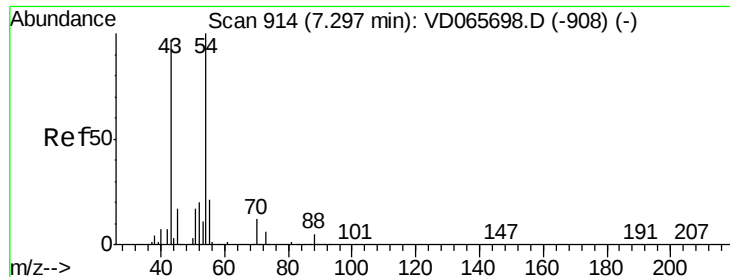
MMDadoda
5/7/2020 10:35:54 AM



#36
1,1-Dichloropropene
Concen: 5.298 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.2	51.6
77	33.8	23.7	35.5





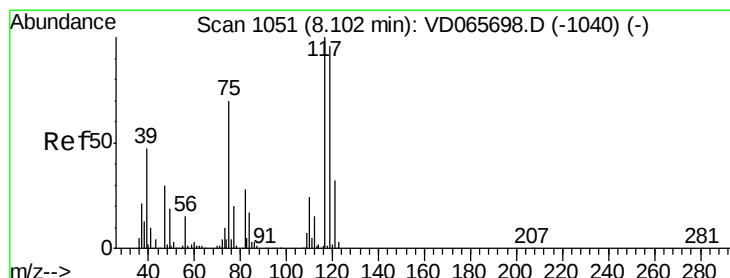
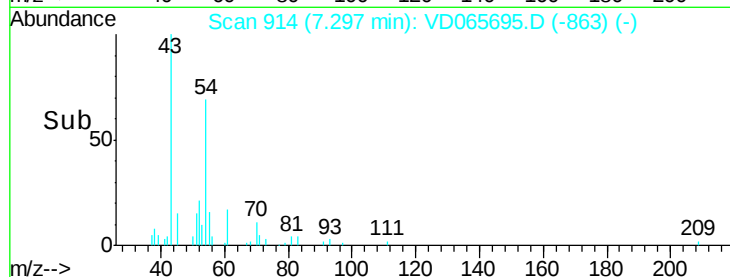
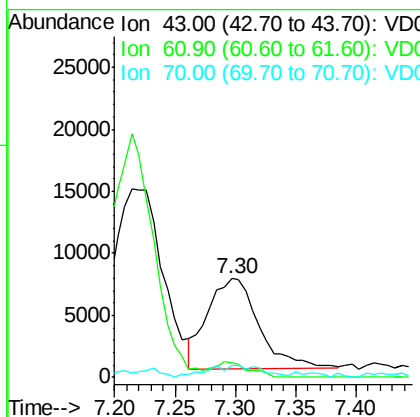
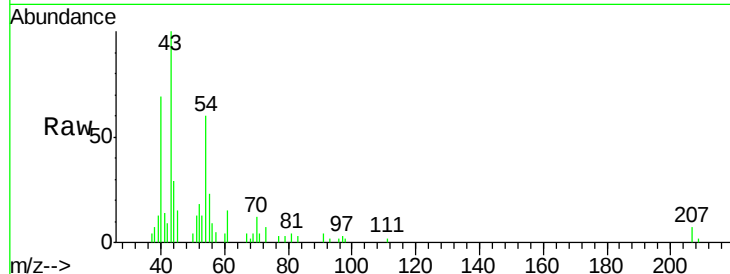
#37
Ethyl Acetate
Concen: 6.824 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.9	14.9
70	14.5	7.3	10.9

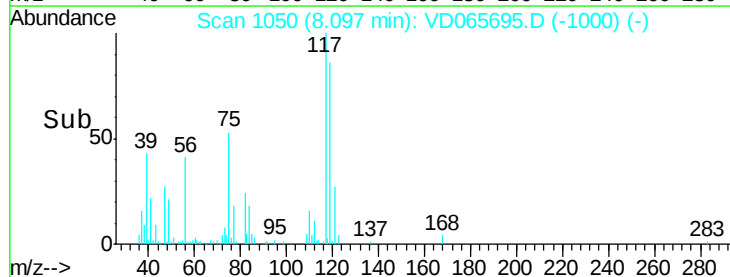
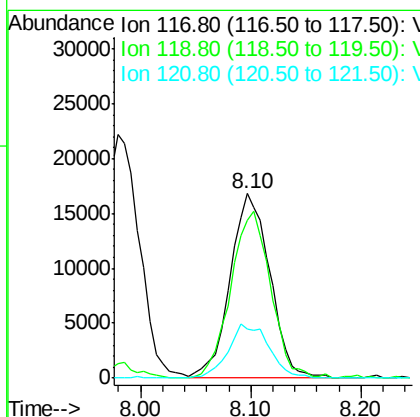
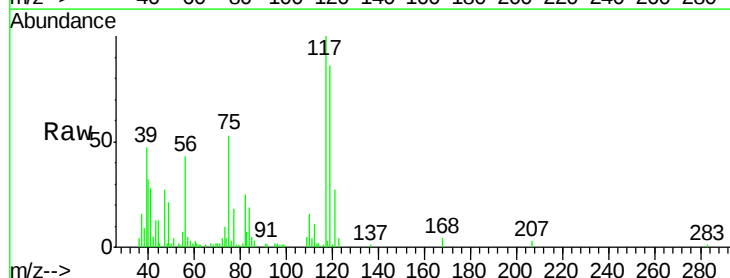
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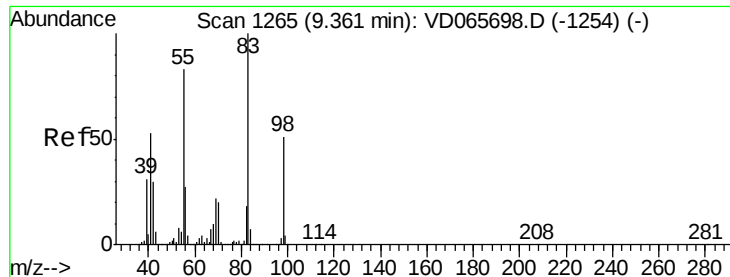
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#38
Carbon Tetrachloride
Concen: 4.917 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.8	77.1	115.7
121	26.6	25.5	38.3





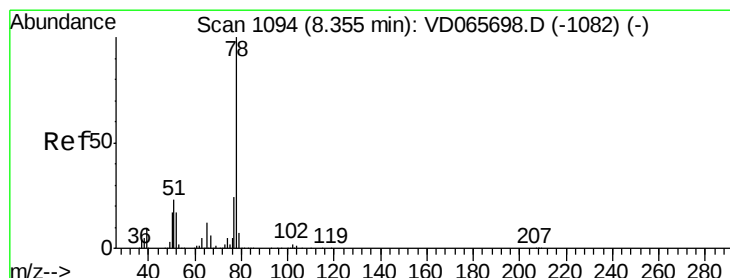
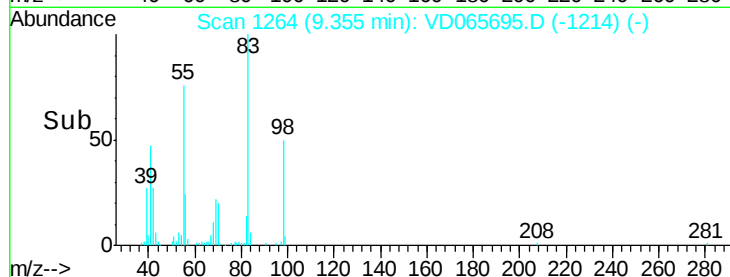
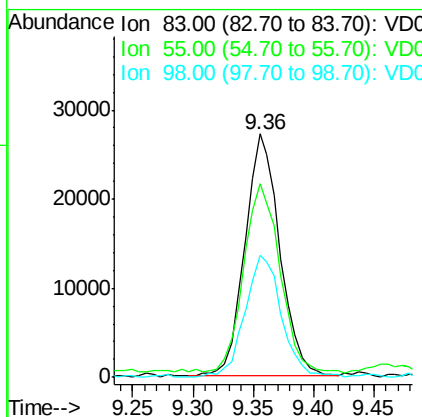
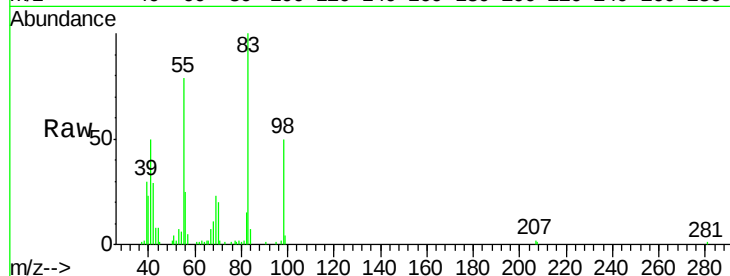
#39
Methvlcvclohexane
Concen: 5.943 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	66.0	99.0
98	50.3	41.0	61.4

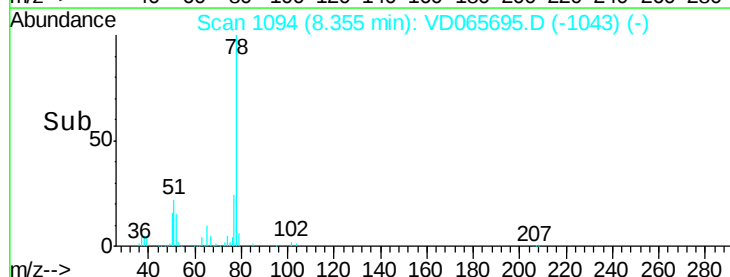
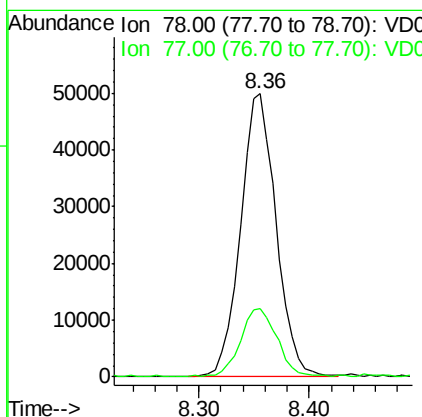
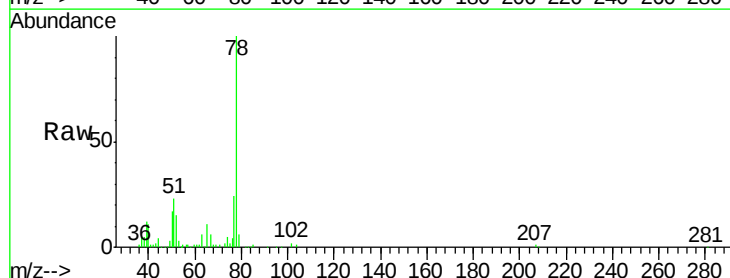
Manual Integrations
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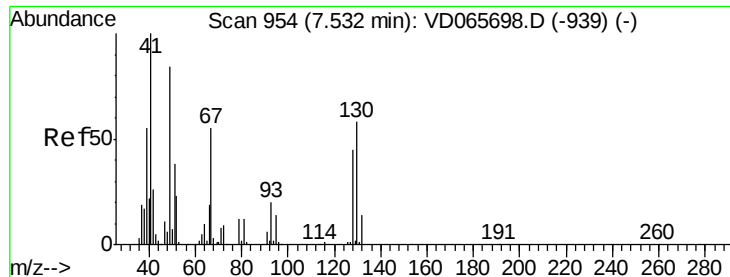
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#40
Benzene
Concen: 4.918 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4





#41

Methacrylonitrile

Concen: 7.534 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 13322

Ion Ratio Lower Upper

41 100

39 65.8 52.5 78.7

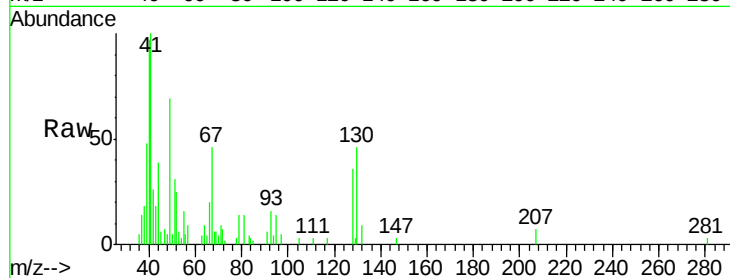
67 64.6 59.4 89.0

52 27.5 25.6 38.4

Manual Integrations
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MMDadoda

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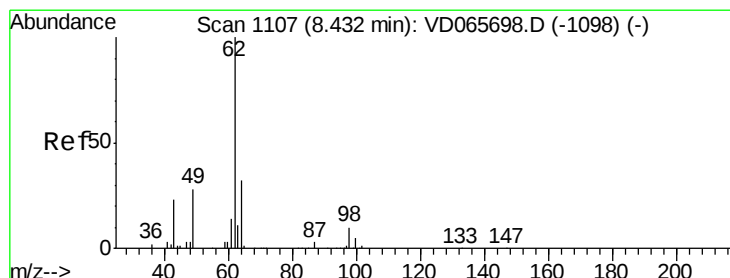
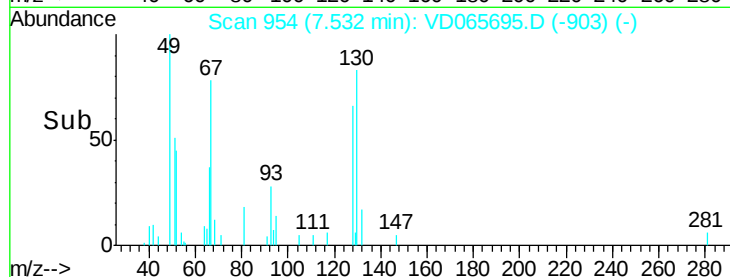
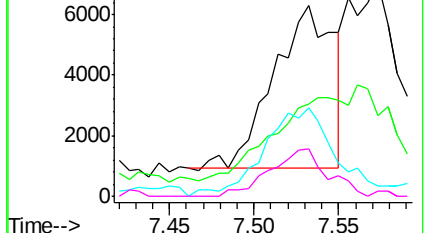


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 5.014 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065695.D

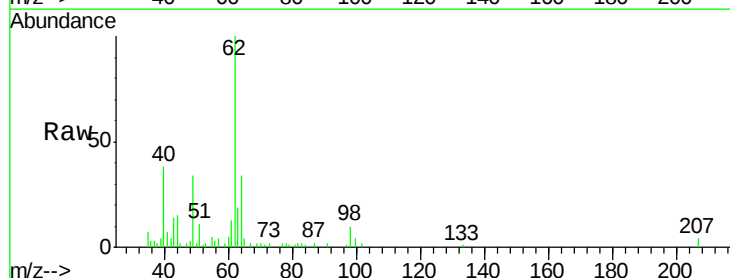
Acq: 06 May 2020 14:17

Tgt Ion: 62 Resp: 32532

Ion Ratio Lower Upper

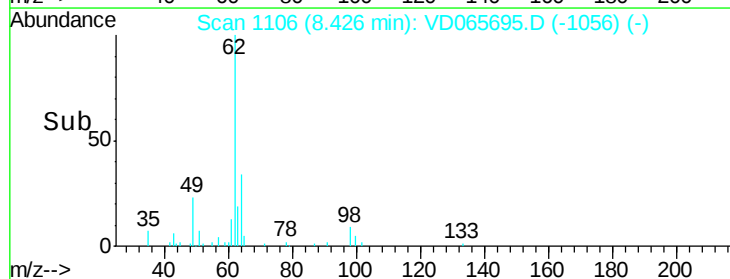
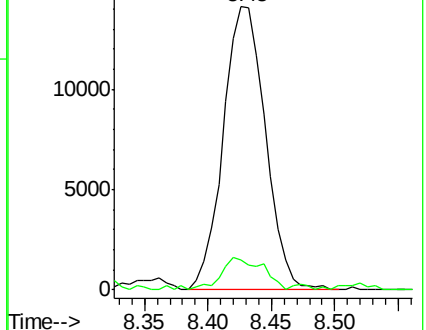
62 100

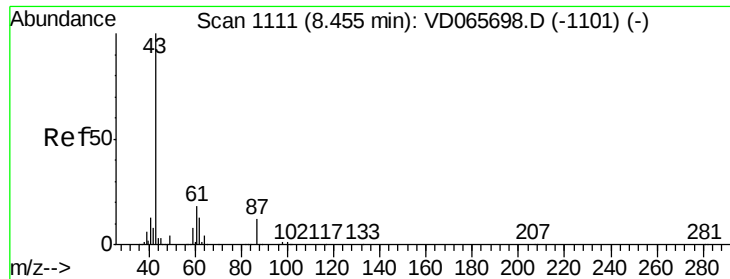
98 11.4 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 6.828 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

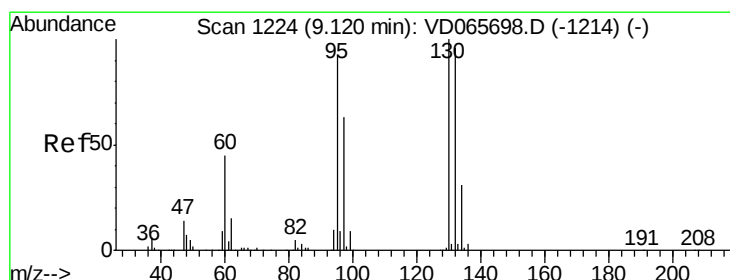
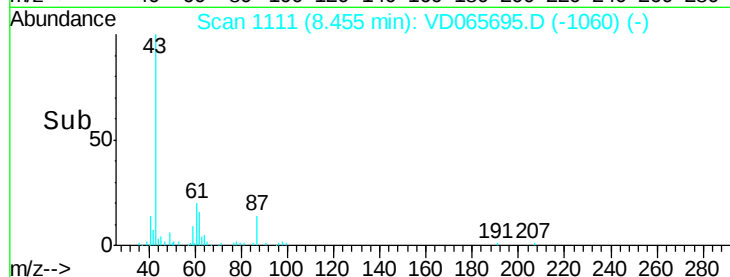
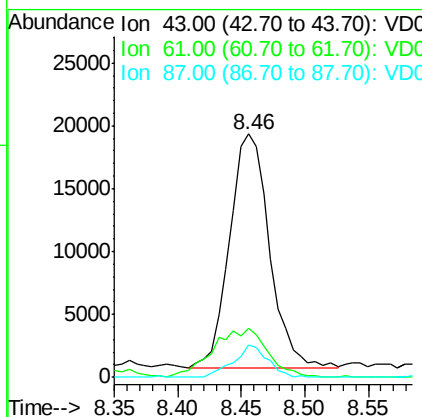
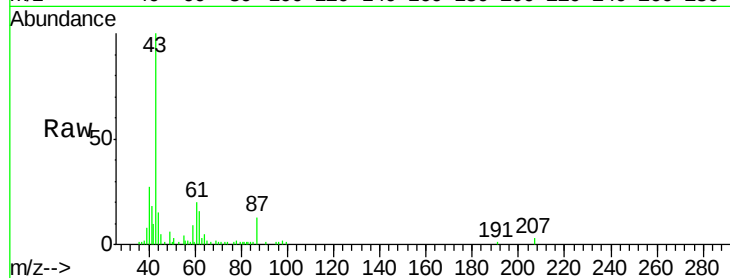
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	40465
Ion	Ratio	Lower	Upper
43	100		
61	28.8	21.9	32.9
87	11.8	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 4.713 ug/l

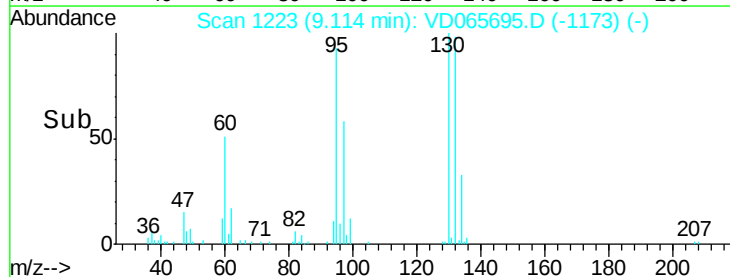
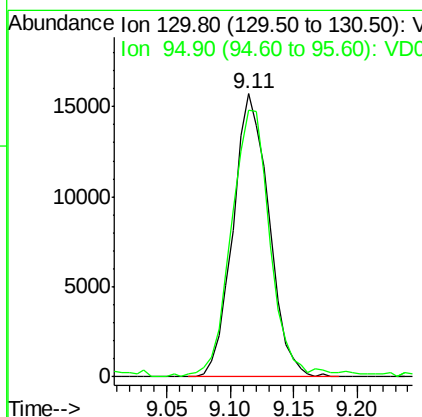
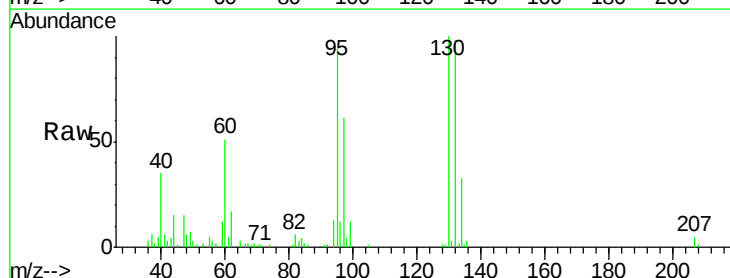
RT: 9.11 min Scan# 1223

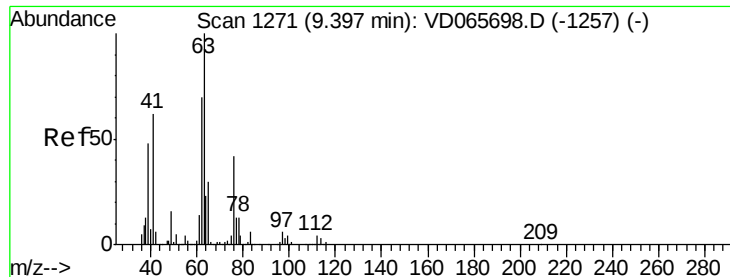
Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Tgt Ion:	130	Resp:	30897
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	185.2





#45

1,2-Dichloropropane

Concen: 5.019 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 28407

Ion Ratio Lower Upper

63 100

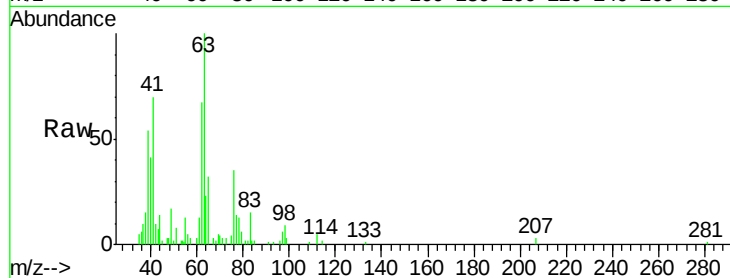
65 32.4 24.1 36.1

Manual Integrations

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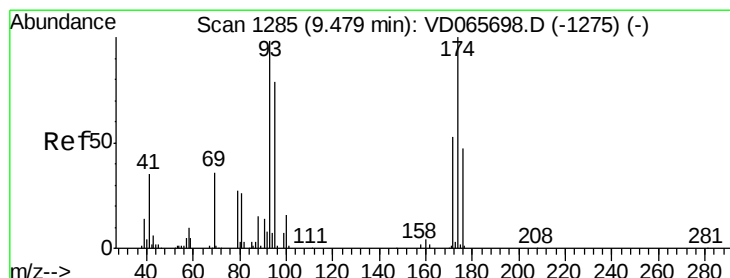
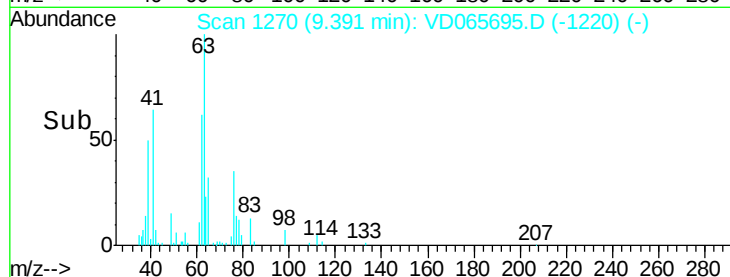
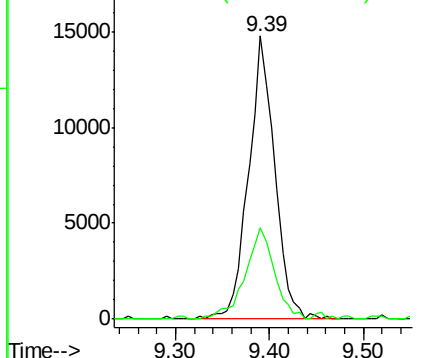
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.926 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

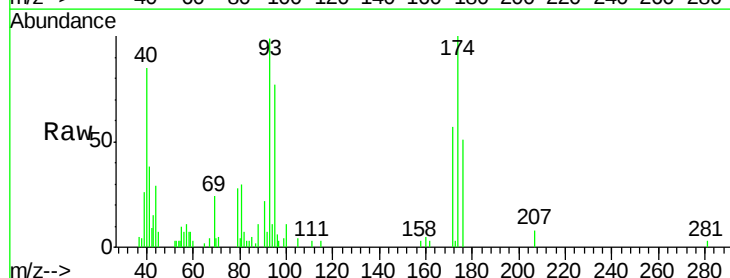
Tgt Ion: 93 Resp: 14891

Ion Ratio Lower Upper

93 100

95 82.9 65.3 97.9

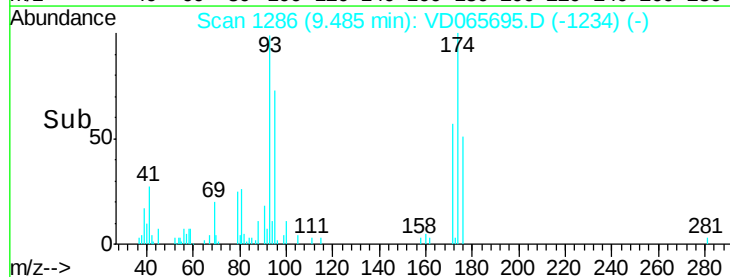
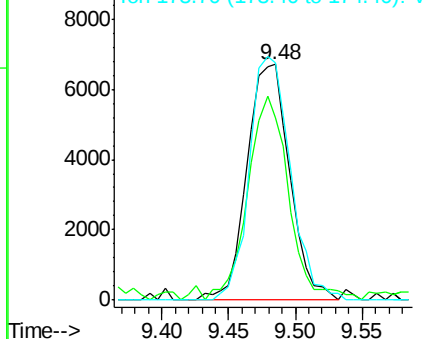
174 99.0 82.7 124.1

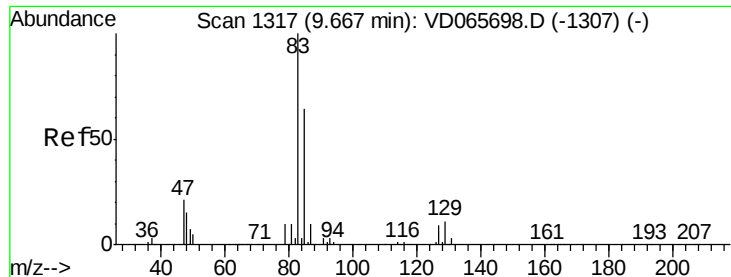


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.918 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

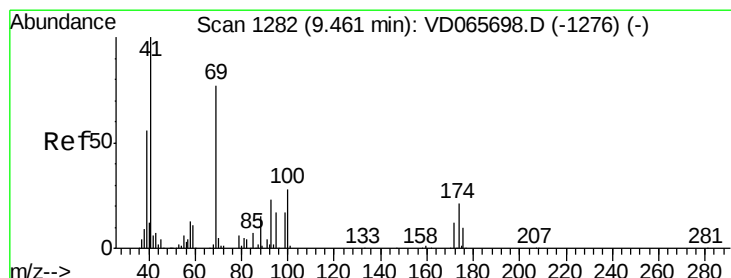
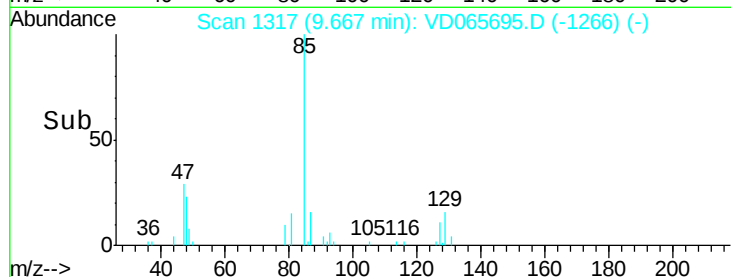
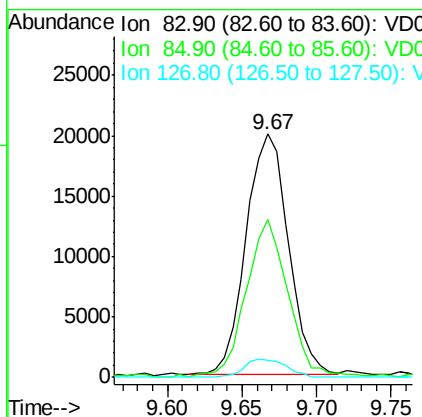
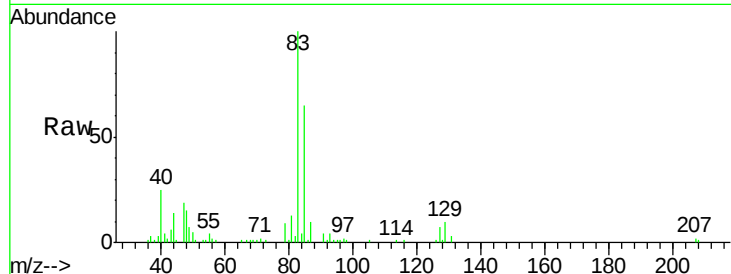
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	38859
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.9	76.3
127	7.1	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 7.039 ug/l

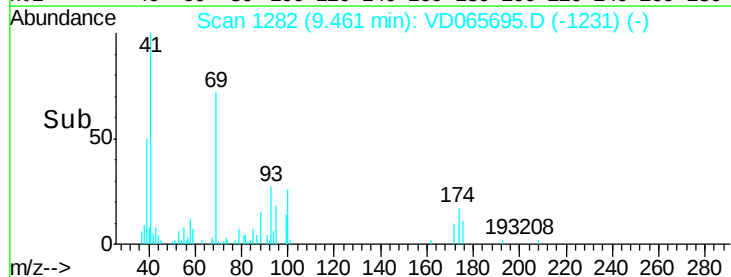
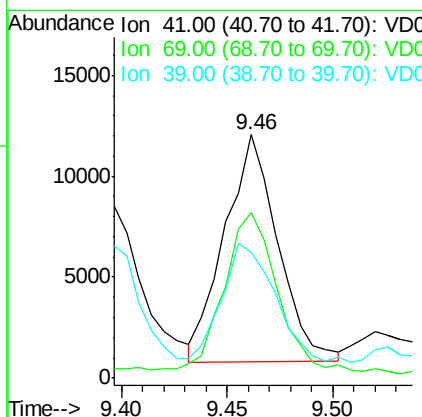
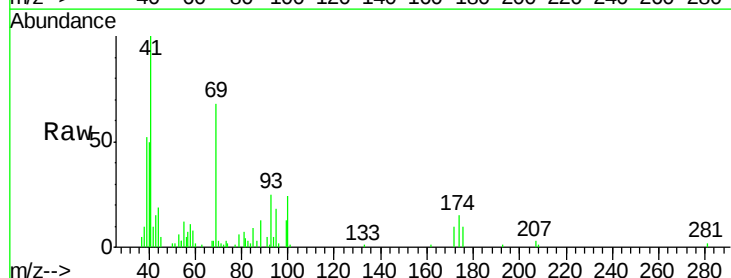
RT: 9.46 min Scan# 1282

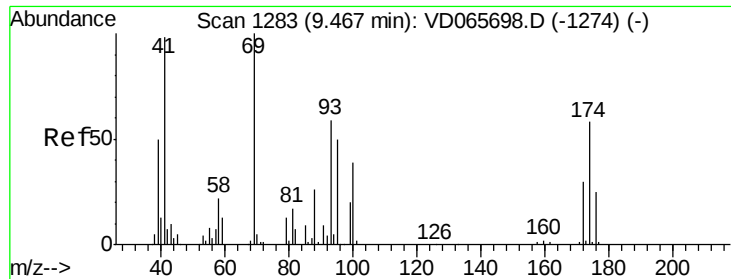
Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Tgt Ion:	41	Resp:	19714
Ion	Ratio	Lower	Upper
41	100		
69	74.9	58.2	87.2
39	52.1	43.3	64.9





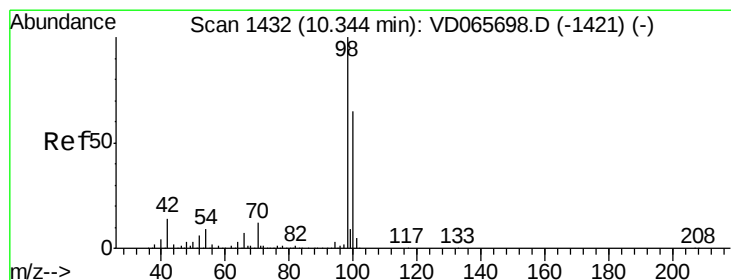
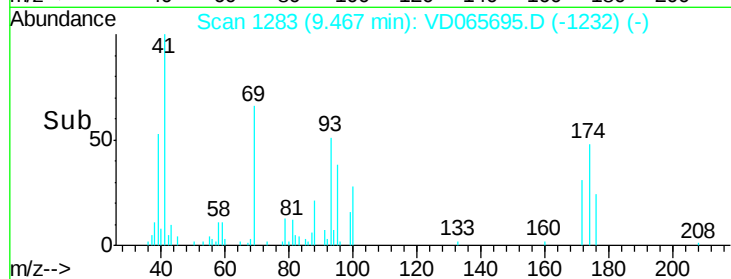
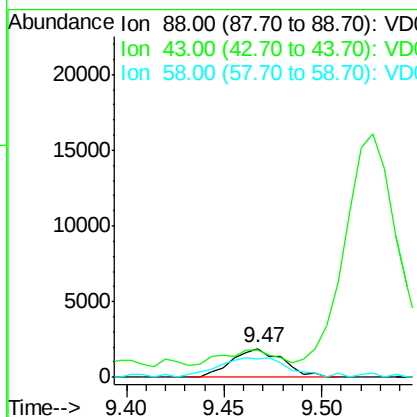
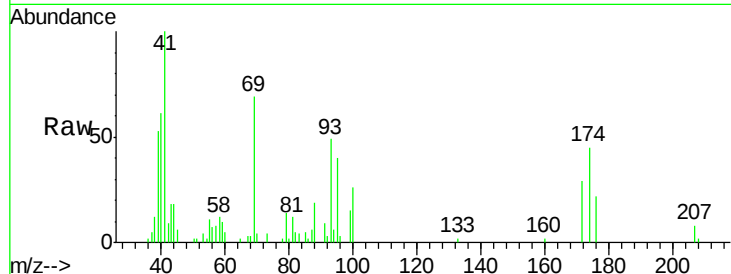
#49
1,4-Dioxane
Concen: 105.303 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 3479
Ion Ratio Lower Upper
88 100
43 56.7 31.6 47.4#
58 93.0 60.2 90.4#

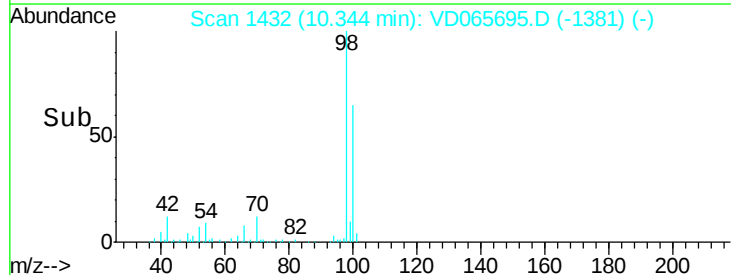
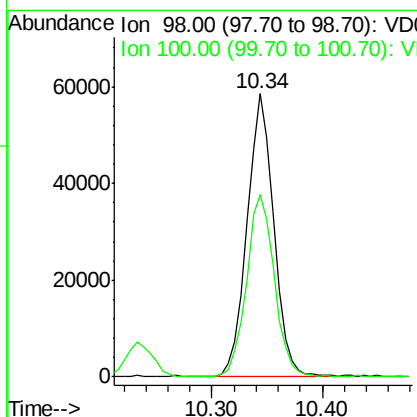
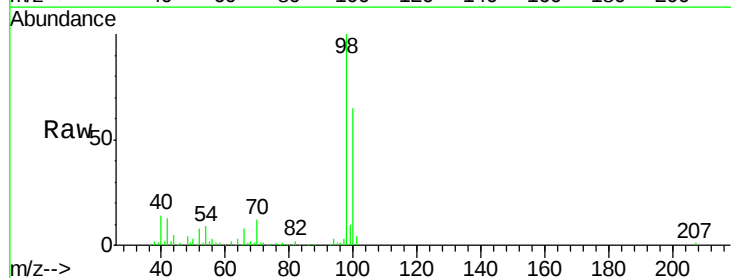
Manual Integrations
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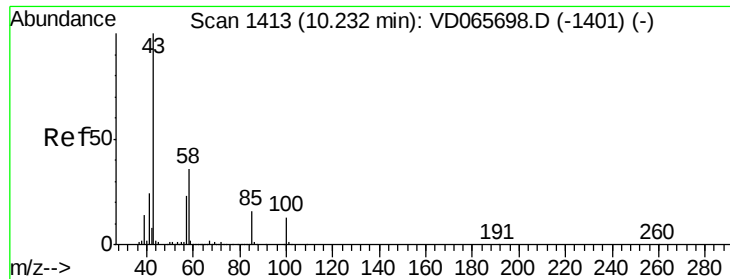
MMDadoda
5/7/2020 10:35:54 AM



#50
Toluene-d8
Concen: 4.972 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion: 98 Resp: 100339
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 31.826 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 95725

Ion Ratio Lower Upper

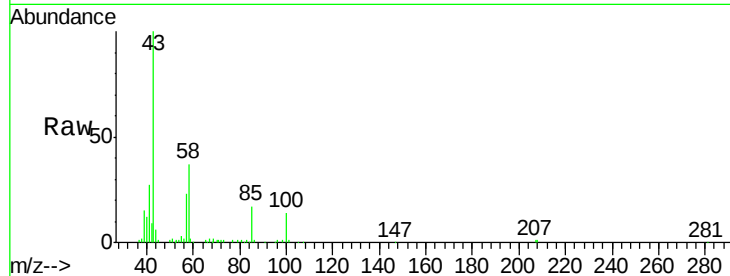
43 100

58 36.0 28.6 42.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

50000

40000

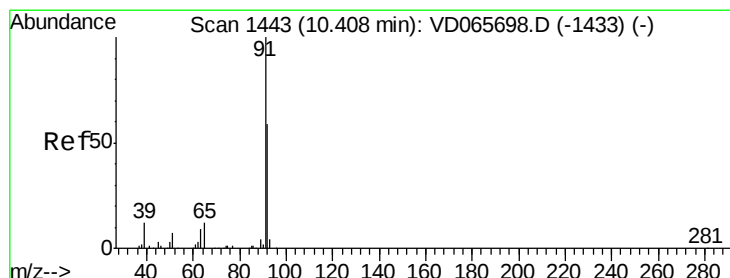
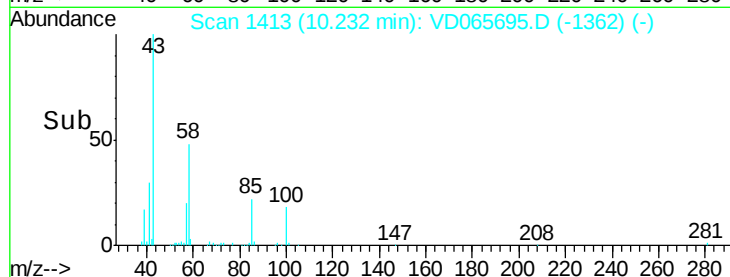
30000

20000

10000

0

Time-->



#52

Toluene

Concen: 4.969 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065695.D

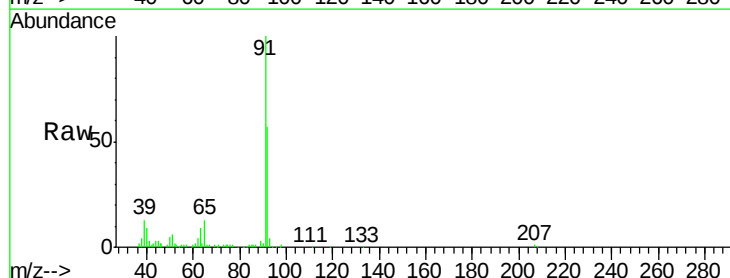
Acq: 06 May 2020 14:17

Tgt Ion: 92 Resp: 71671

Ion Ratio Lower Upper

92 100

91 169.8 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

80000

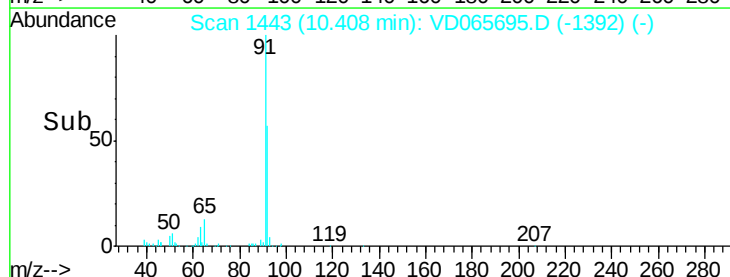
60000

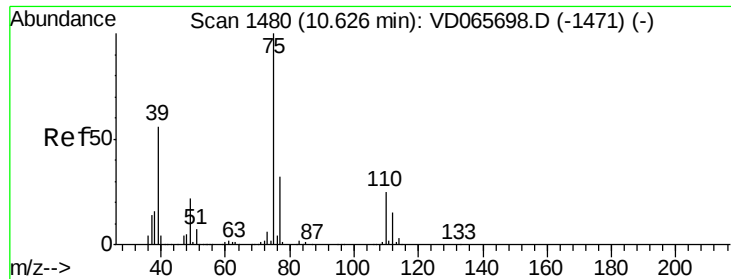
40000

20000

0

Time-->





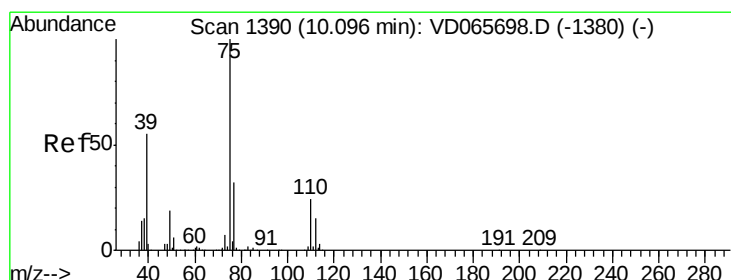
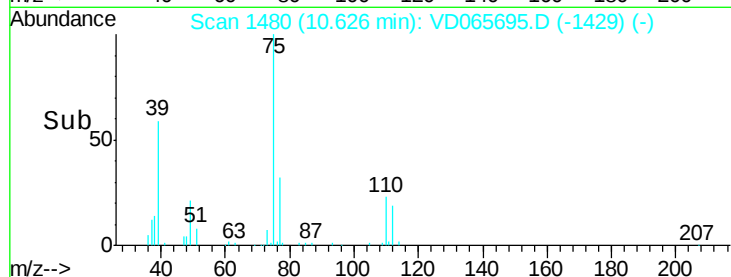
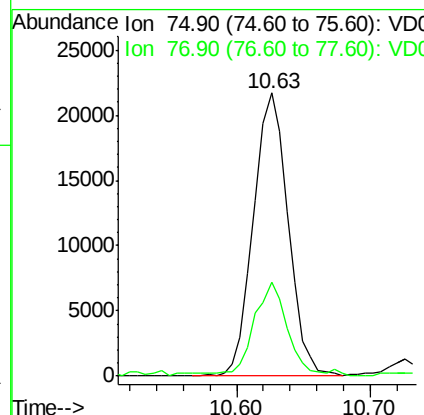
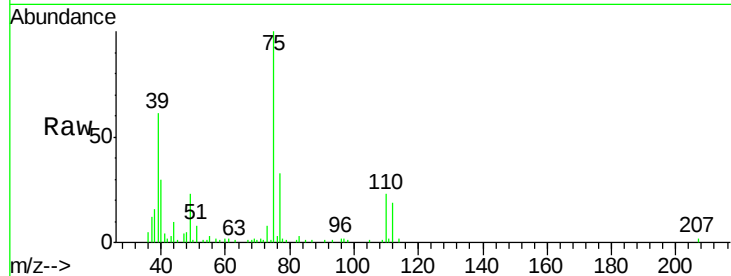
#53
t-1,3-Dichloropropene
Concen: 5.450 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0

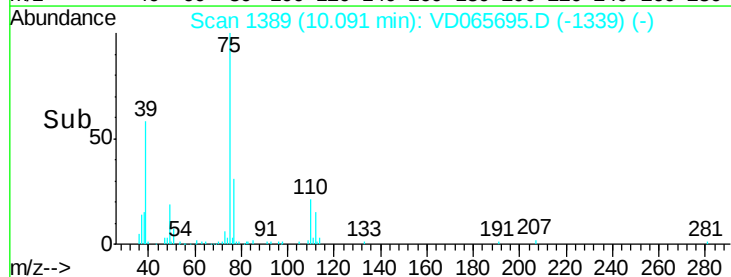
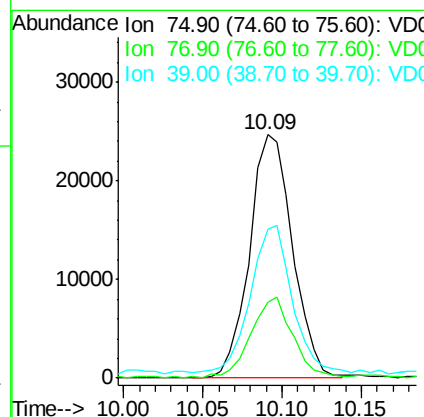
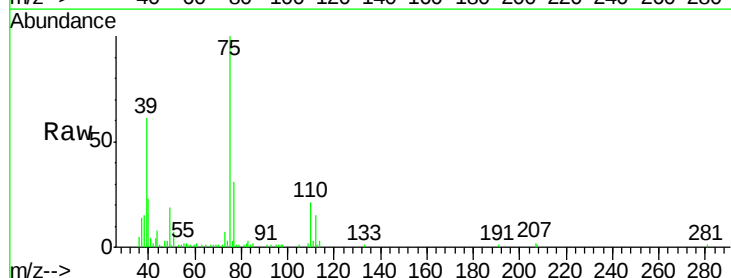
Manual Integrations
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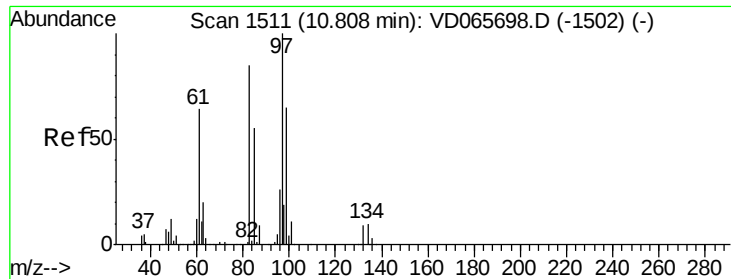
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#54
cis-1,3-Dichloropropene
Concen: 5.348 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.8	38.8
39	59.1	44.4	66.6





#55

1,1,2-Trichloroethane

Concen: 4.495 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

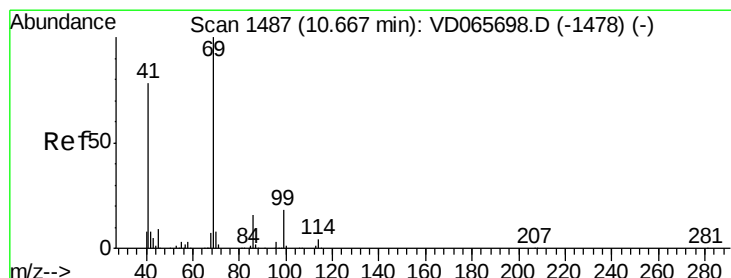
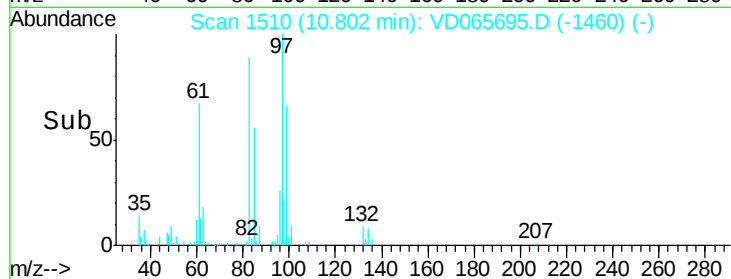
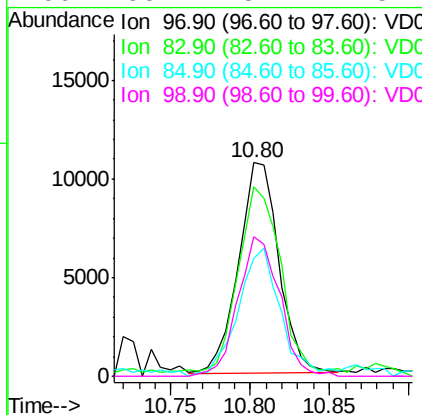
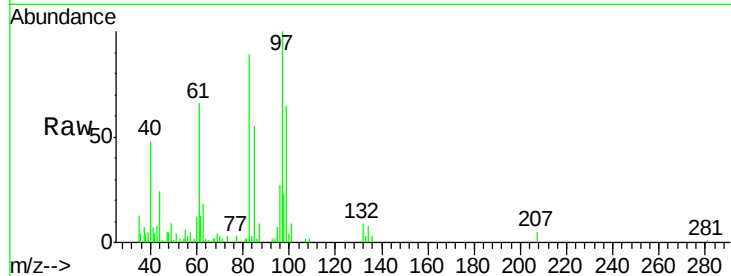
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	18989
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.2	102.4
85	56.3	43.6	65.4
99	66.4	52.2	78.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 6.271 ug/l

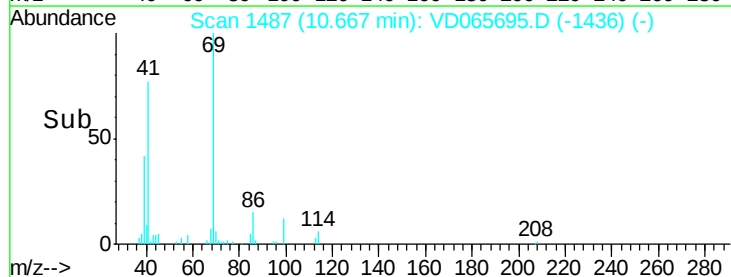
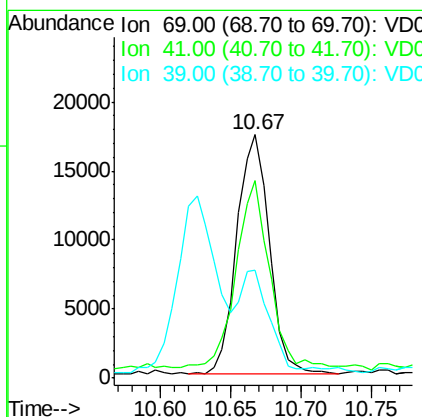
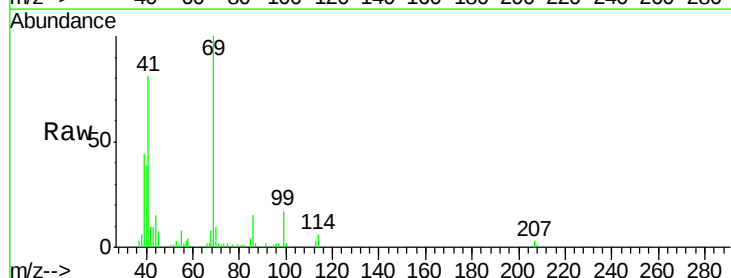
RT: 10.67 min Scan# 1487

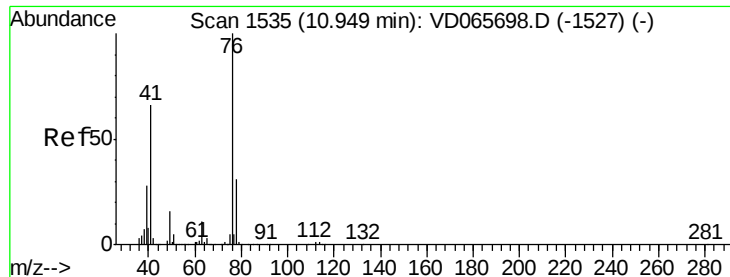
Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Tgt Ion:	69	Resp:	27997
Ion	Ratio	Lower	Upper
69	100		
41	80.3	61.4	92.0
39	37.2	32.7	49.1





#57

1,3-Dichloropropane

Concen: 4.701 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 33210

Ion Ratio Lower Upper

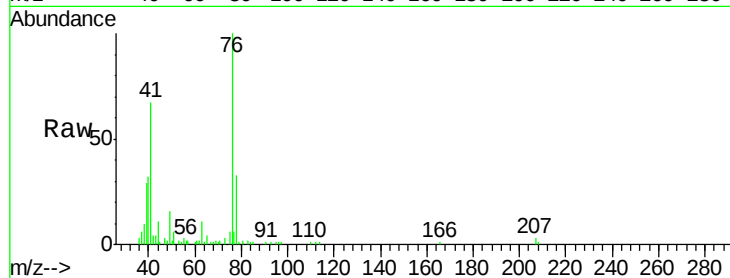
76 100

78 33.8 25.8 38.8

Manual Integrations
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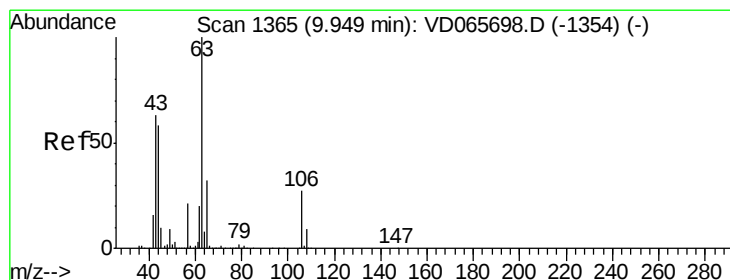
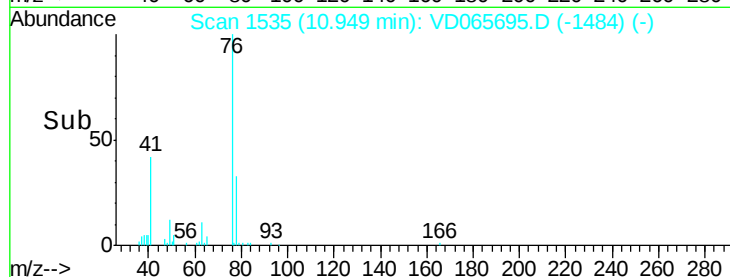
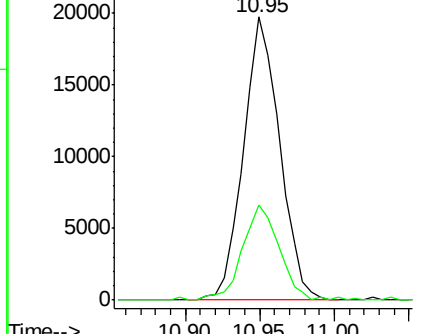
MMDadoda

5/7/2020 10:35:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 26.636 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065695.D

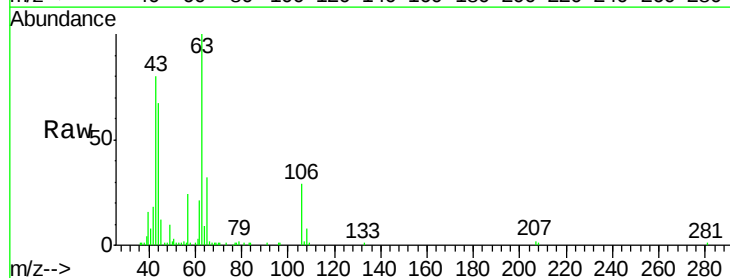
Acq: 06 May 2020 14:17

Tgt Ion: 63 Resp: 61268

Ion Ratio Lower Upper

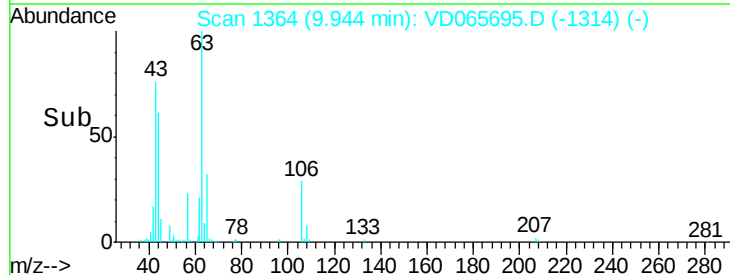
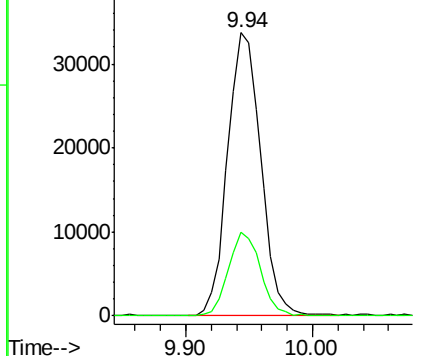
63 100

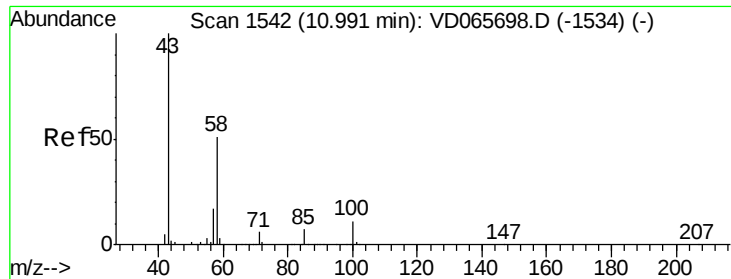
106 28.3 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





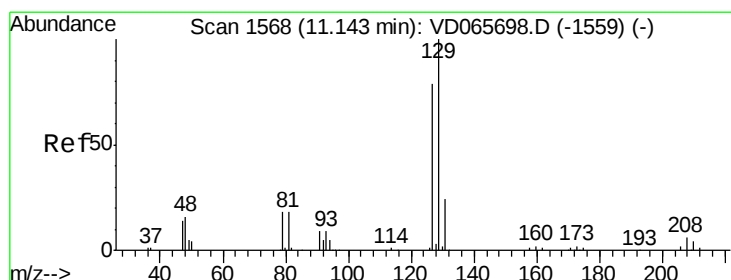
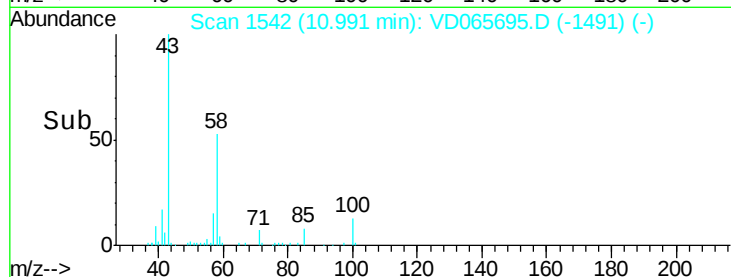
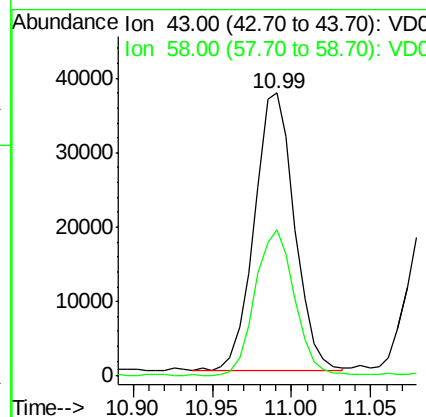
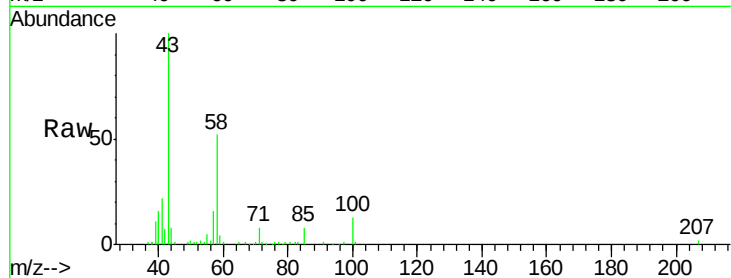
#59
2-Hexanone
Concen: 32.631 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 65600
Ion Ratio Lower Upper
43 100
58 52.4 25.4 76.0

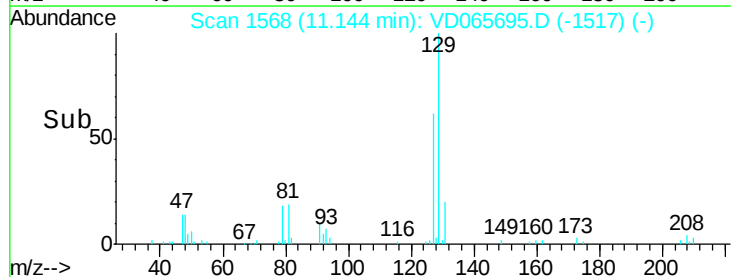
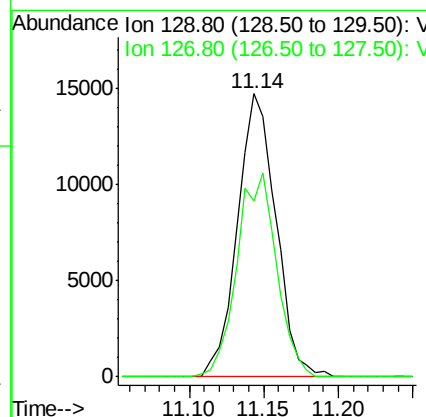
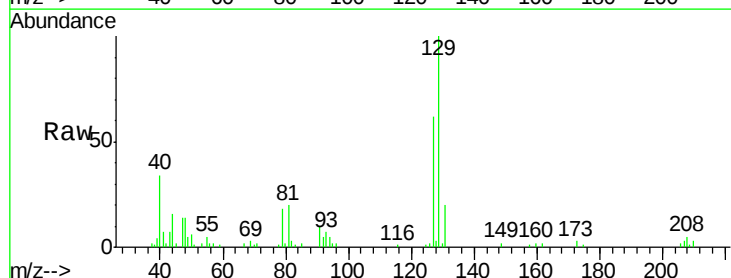
Manual Integrations
APPROVED

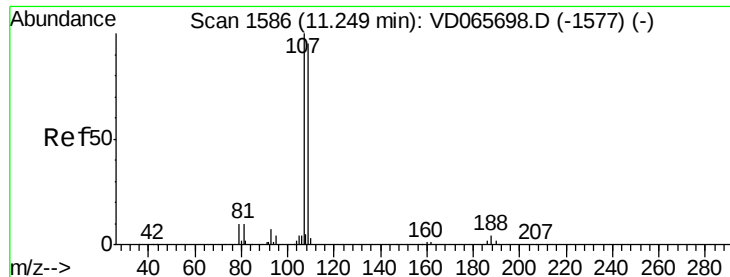
MMDadoda
5/7/2020 10:35:54 AM



#60
Dibromochloromethane
Concen: 4.705 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion: 129 Resp: 26291
Ion Ratio Lower Upper
129 100
127 74.4 38.9 116.6





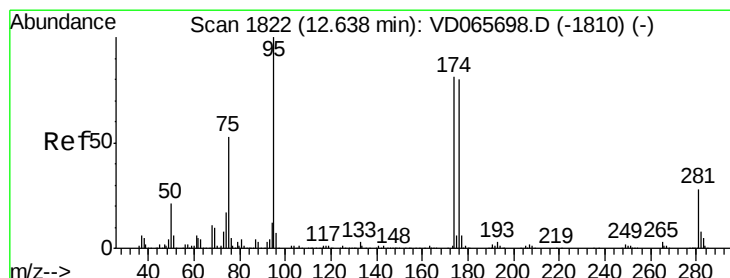
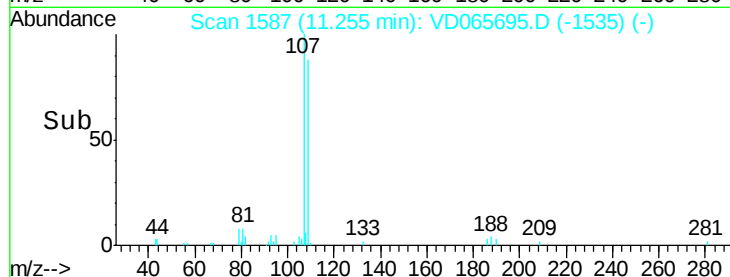
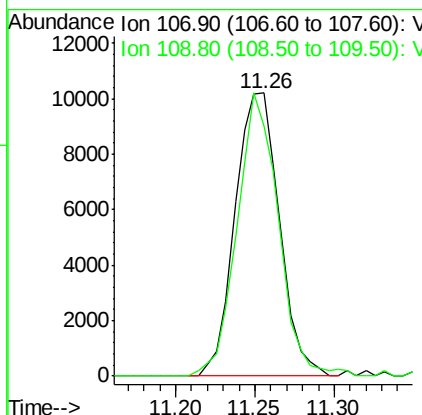
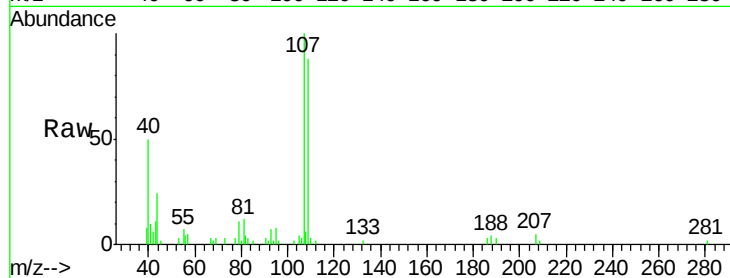
#61
 1,2-Dibromoethane
 Concen: 4.885 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
107	100	19768		
109	93.4	74.9	112.3	

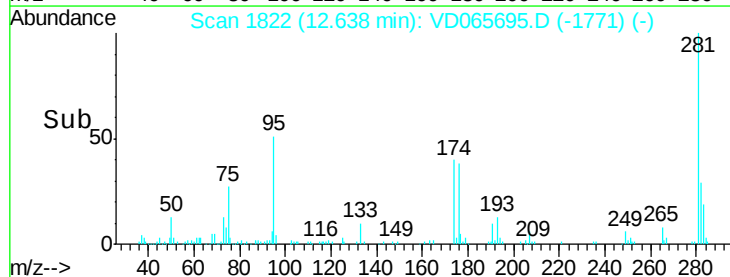
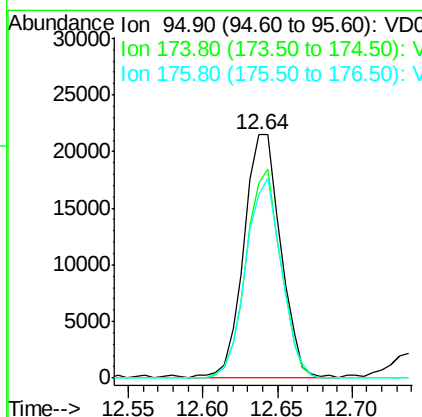
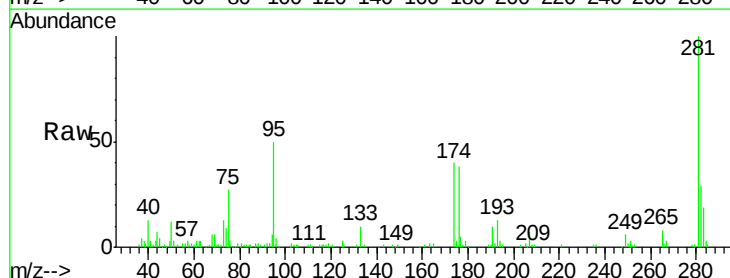
Manual Integrations
 APPROVED

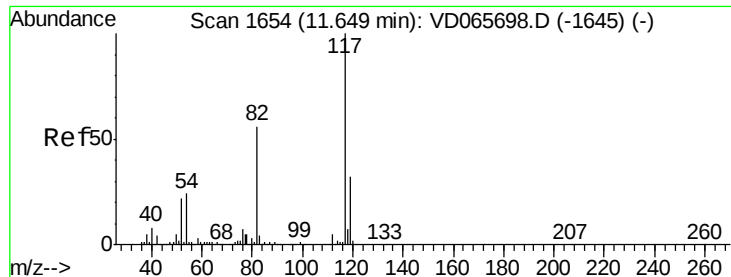
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 5.580 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	36782		
174	80.7	0.0	162.6	
176	79.2	0.0	159.0	





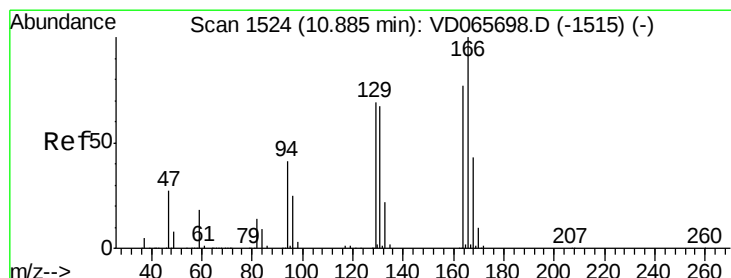
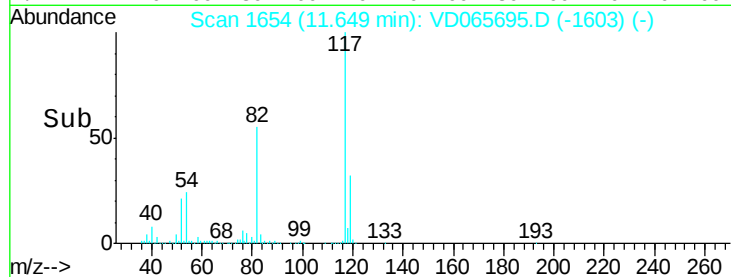
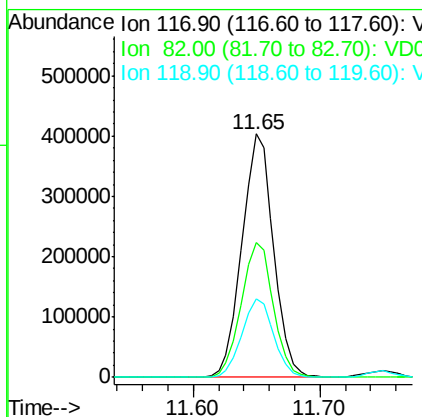
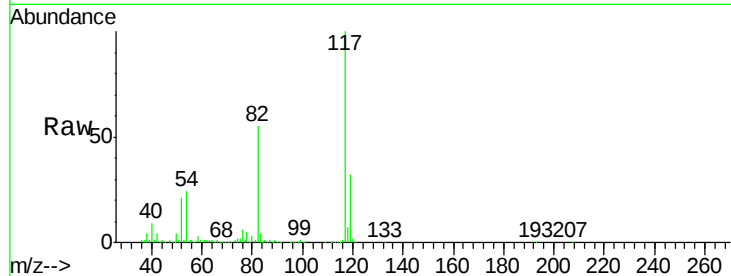
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	697524		
82	55.3		44.9	67.3
119	32.3		25.4	38.2

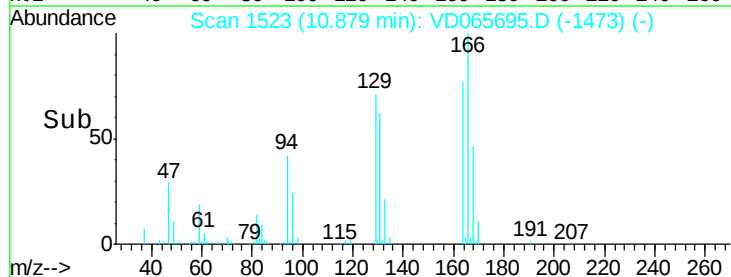
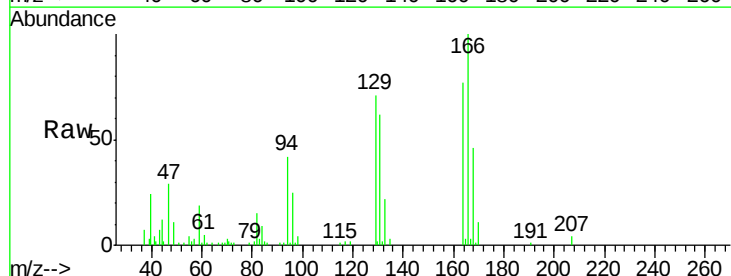
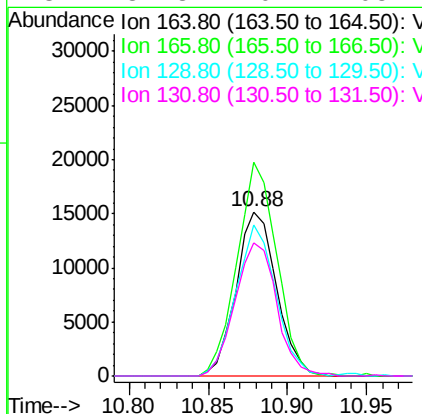
Manual Integrations
APPROVED

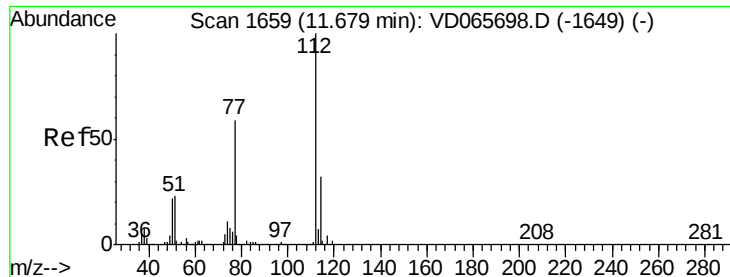
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#64
Tetrachloroethene
Concen: 5.009 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26911		
166	130.4		104.3	156.5
129	92.6		71.9	107.9
131	81.3		70.2	105.2





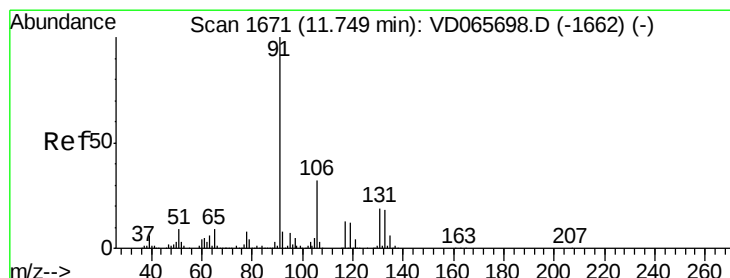
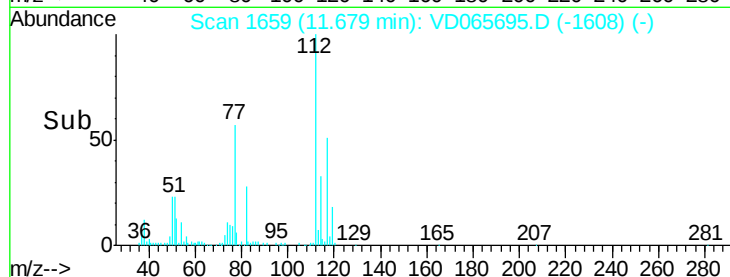
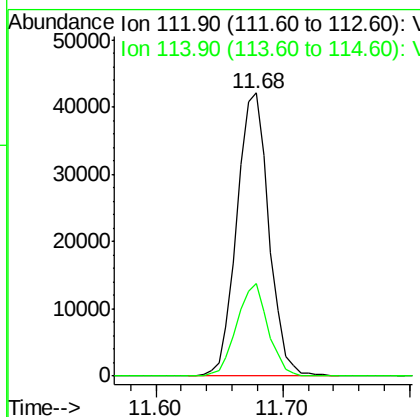
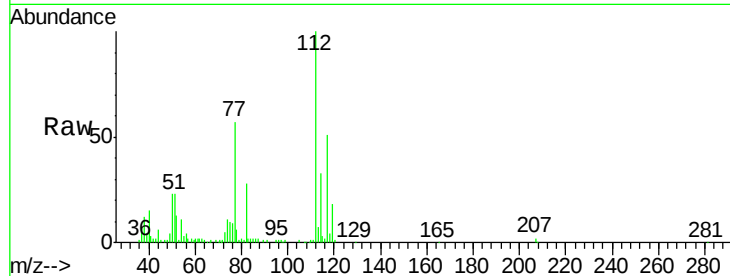
#65
Chlorobenzene
Concen: 4.985 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.4	38.0

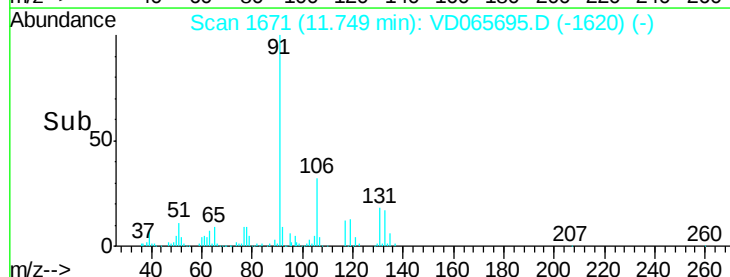
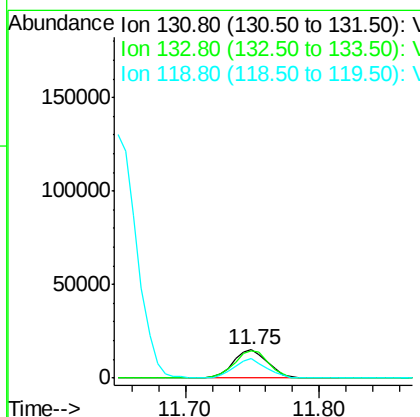
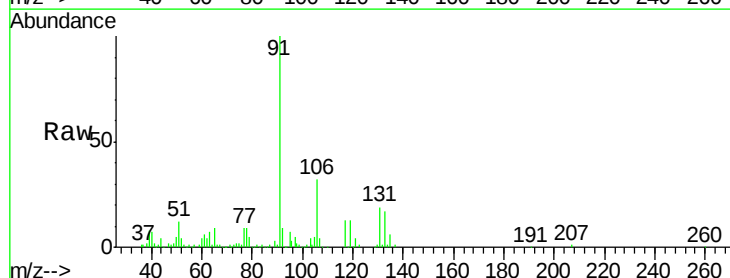
Manual Integrations
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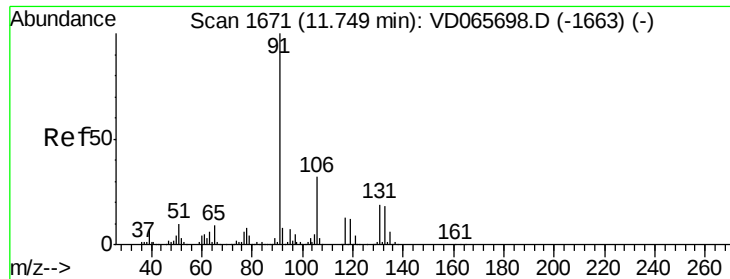
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.832 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.2	47.3	141.8
119	65.7	31.8	95.4





#67

Ethyl Benzene

Concen: 5.608 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 137692

Ion Ratio Lower Upper

91 100

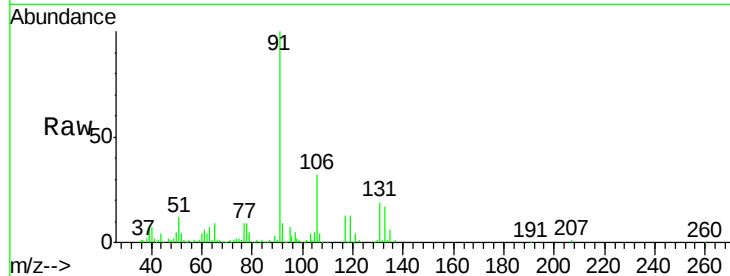
106 31.7 25.2 37.8

Manual Integrations

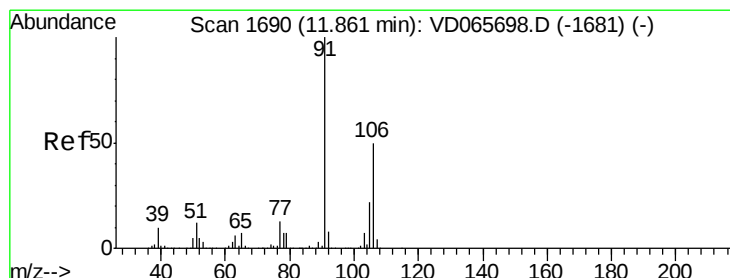
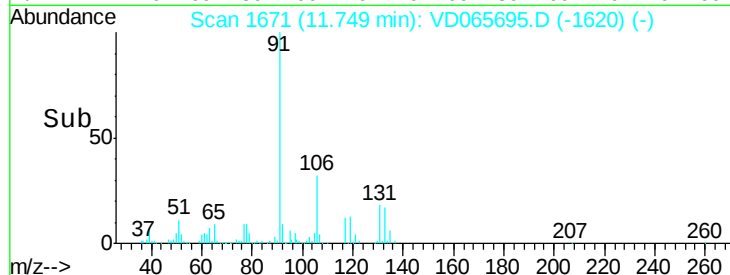
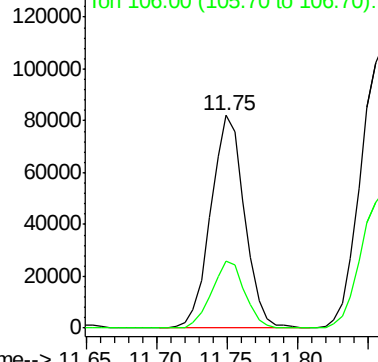
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5/7/2020 10:35:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065695.D (-1663) (-)



#68

m/p-Xylenes

Concen: 10.888 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065695.D

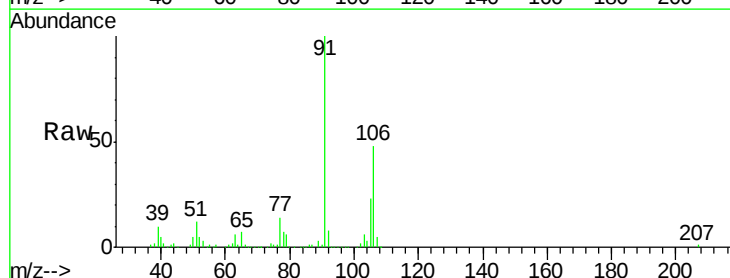
Acq: 06 May 2020 14:17

Tgt Ion: 106 Resp: 104021

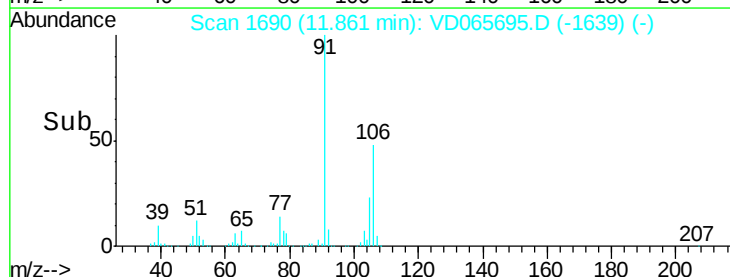
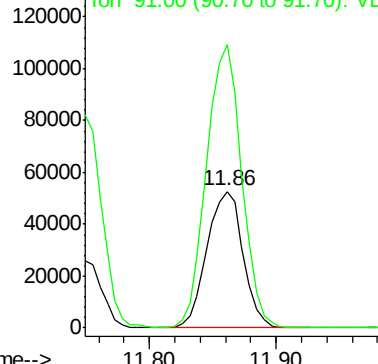
Ion Ratio Lower Upper

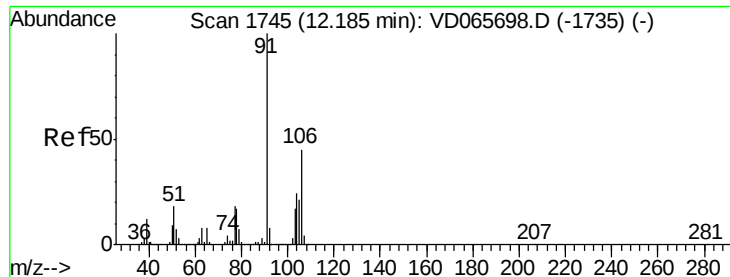
106 100

91 202.0 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): VD065695.D (-1681) (-)





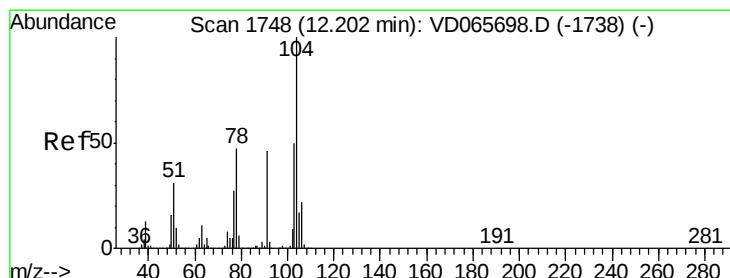
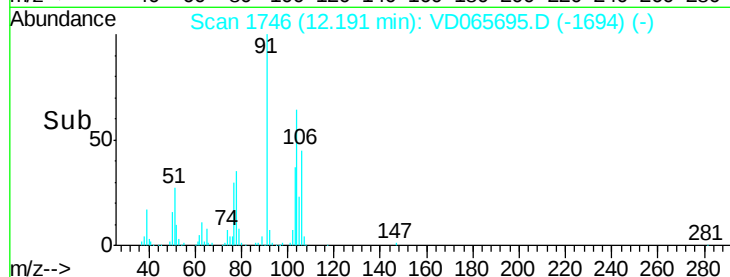
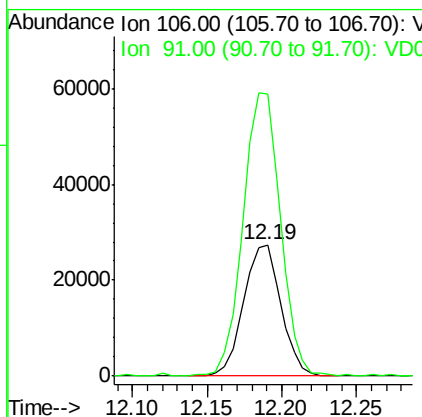
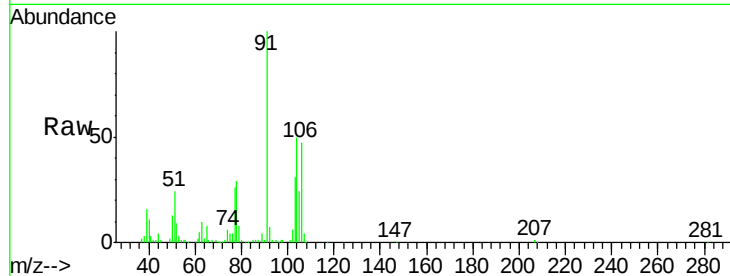
#69
o-Xylene
Concen: 5.665 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 47313
Ion Ratio Lower Upper
106 100
91 216.6 107.9 323.7

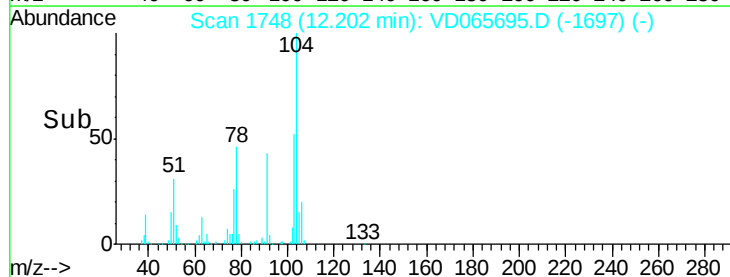
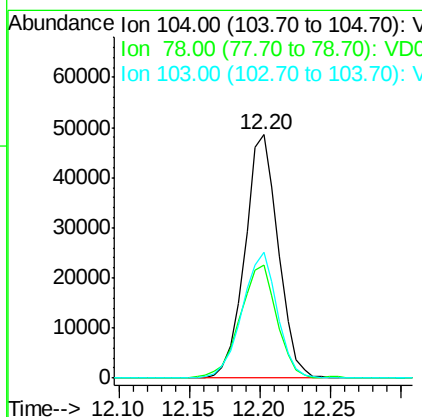
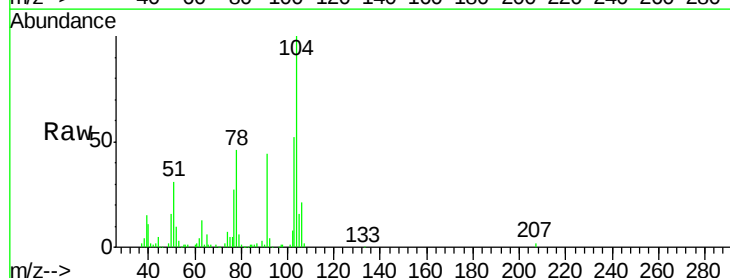
Manual Integrations
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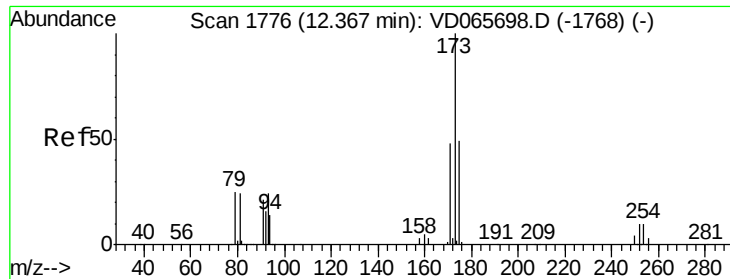
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#70
Styrene
Concen: 5.502 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion:104 Resp: 80483
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 54.1 43.8 65.6





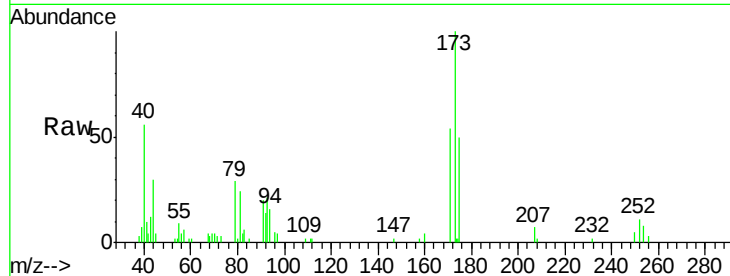
#71
Bromoform
Concen: 4.736 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

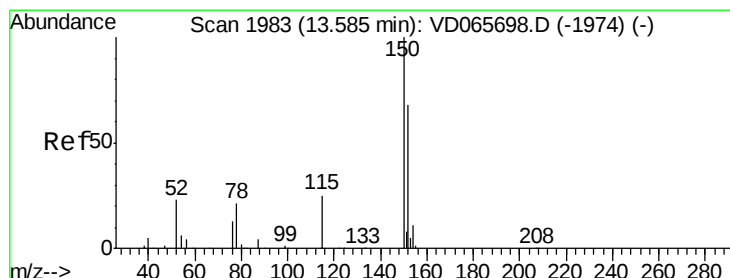
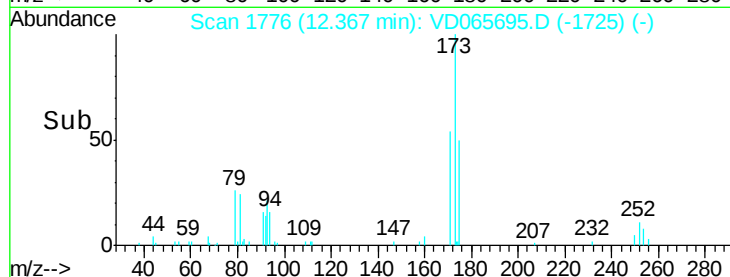
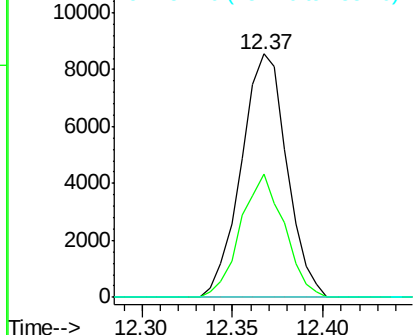
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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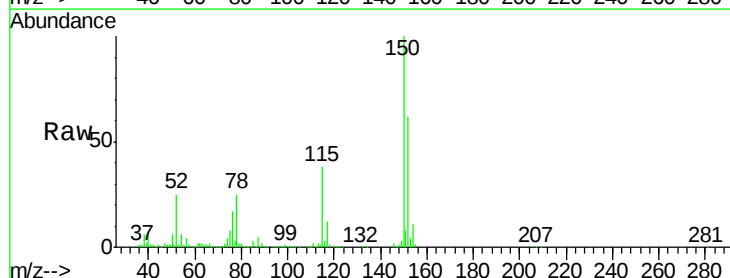


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

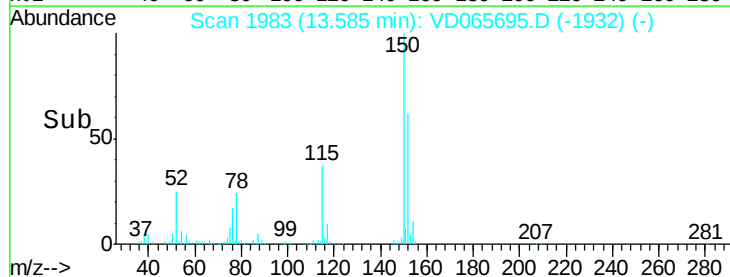
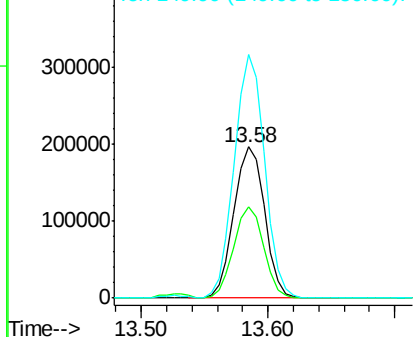


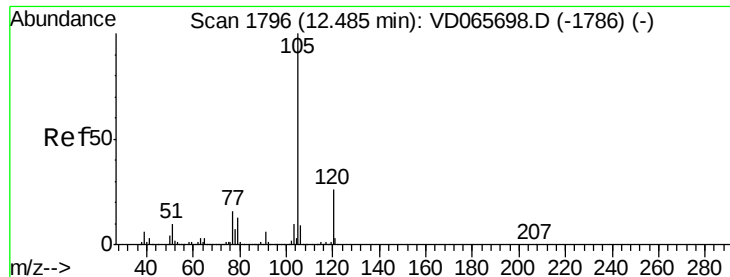
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.5	88.5
150	159.2	0.0	346.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.448 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 136059

Ion Ratio Lower Upper

105 100

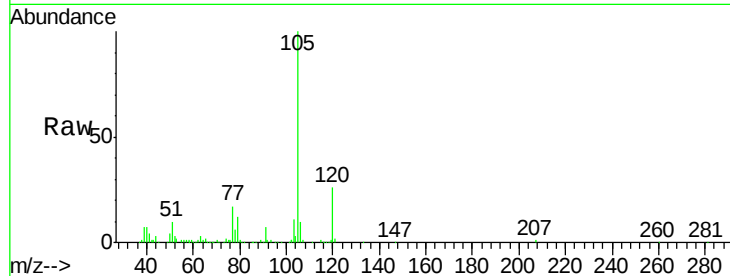
120 26.1 13.4 40.2

Manual Integrations

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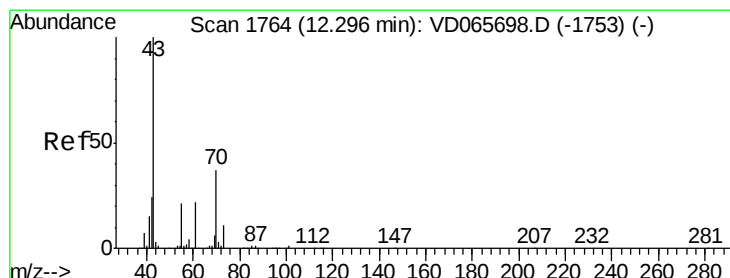
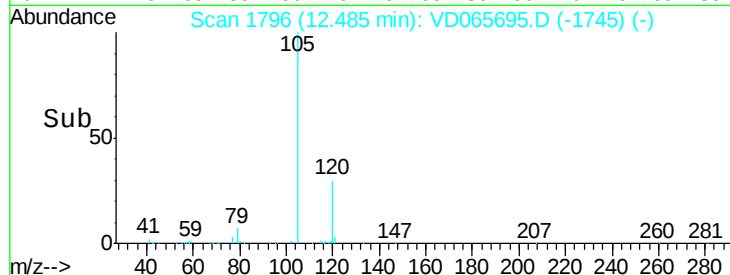
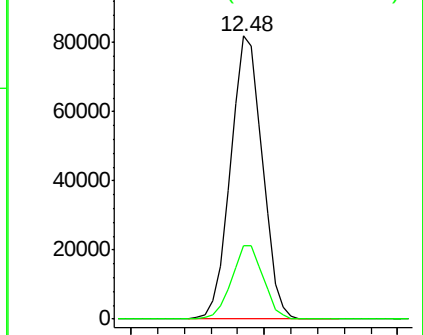
MMDadoda

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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: 7.970 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Tgt Ion: 43 Resp: 37247

Ion Ratio Lower Upper

43 100

70 41.0 29.3 43.9

55 22.6 16.4 24.6

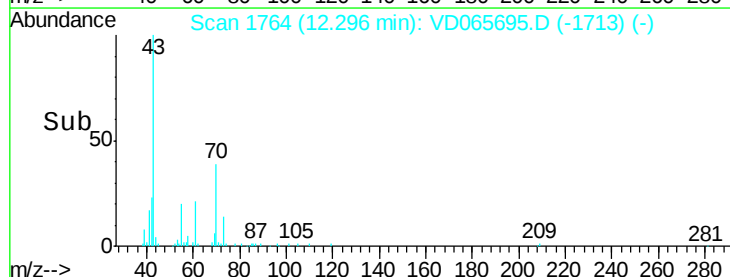
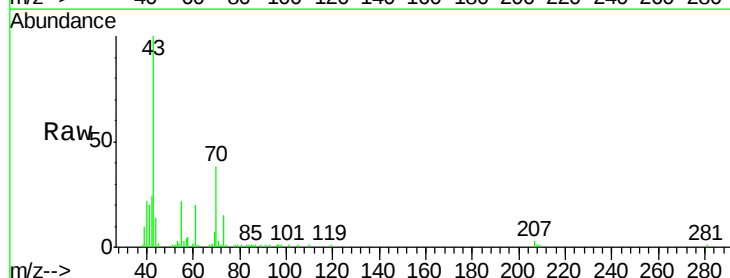
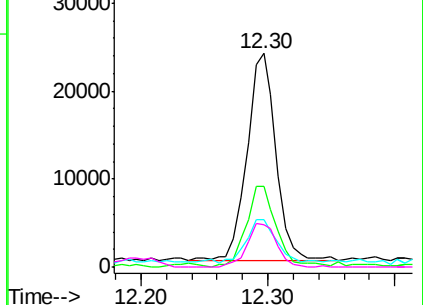
61 21.4 18.0 27.0

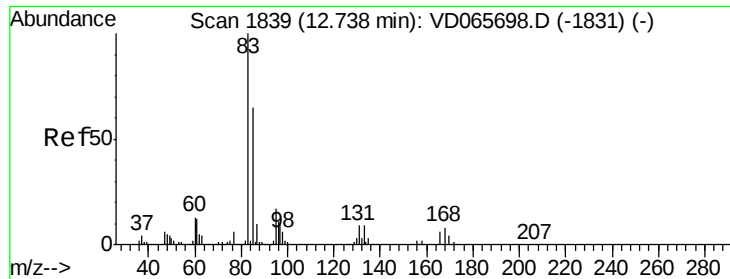
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 5.719 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

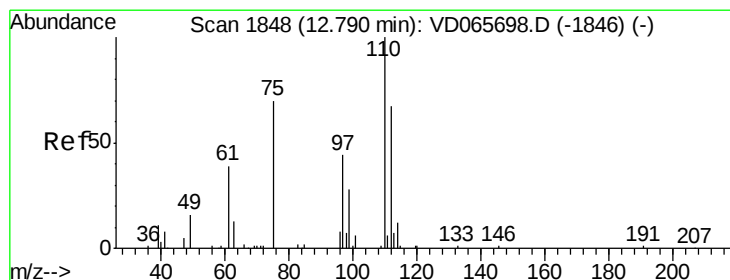
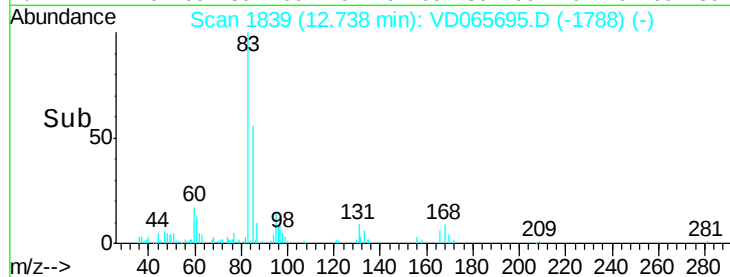
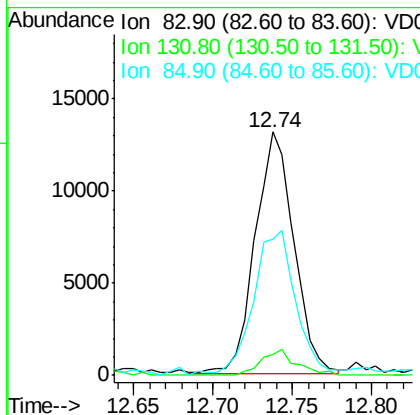
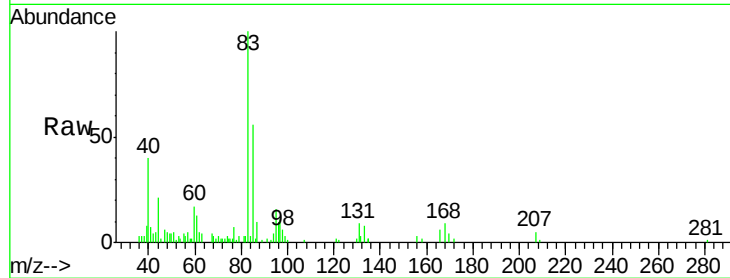
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	22374
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.5	16.7
85	60.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 4.750 ug/l m

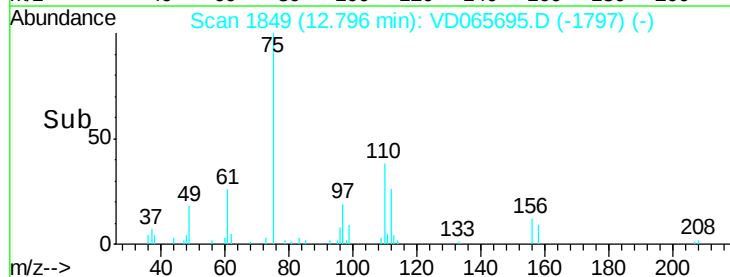
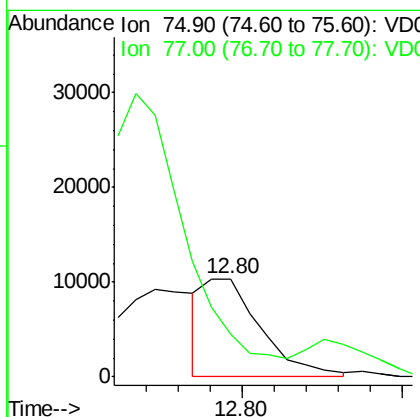
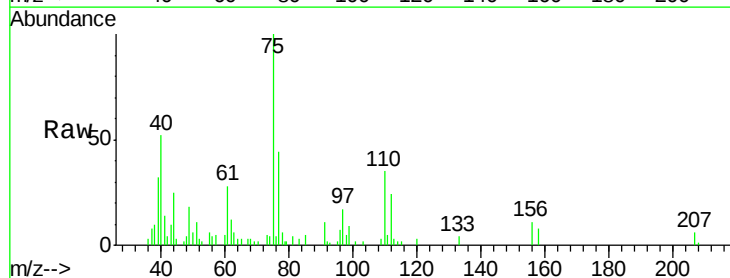
RT: 12.80 min Scan# 1849

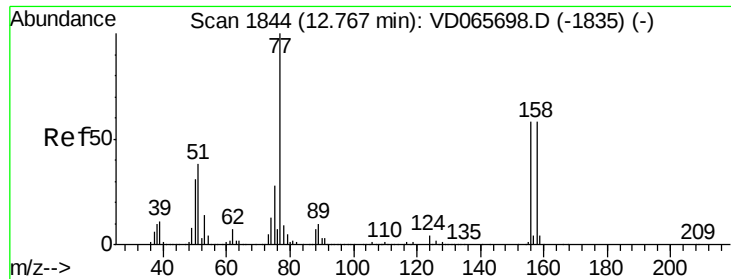
Delta R.T. 0.01 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Tgt Ion:	75	Resp:	12692
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.354 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

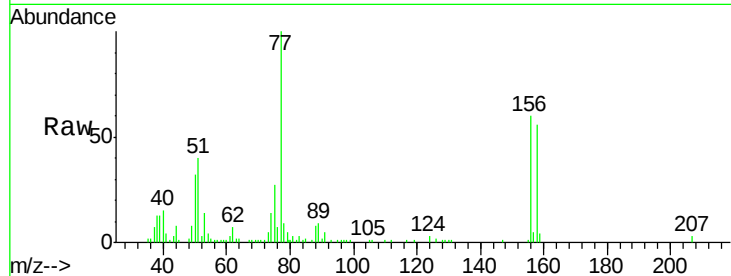
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	30371
Ion	Ratio	Lower	Upper
156	100		
77	188.4	92.9	278.7
158	92.7	48.9	146.7

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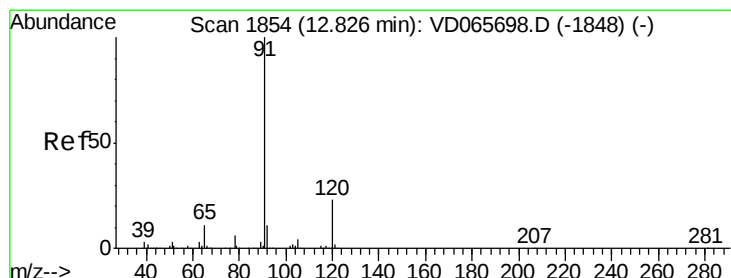
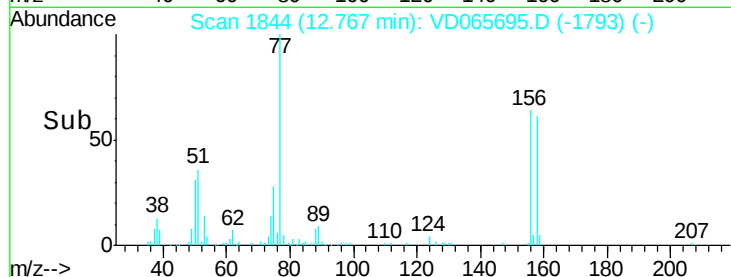
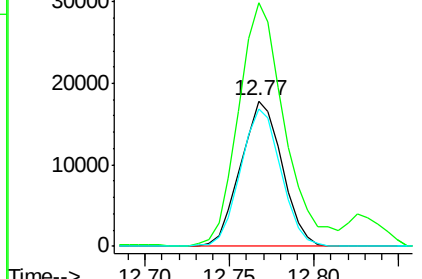
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 6.074 ug/l

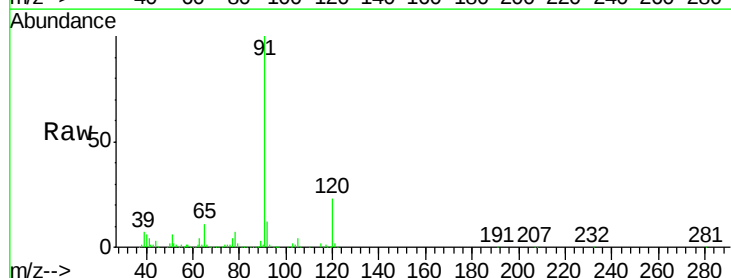
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065695.D

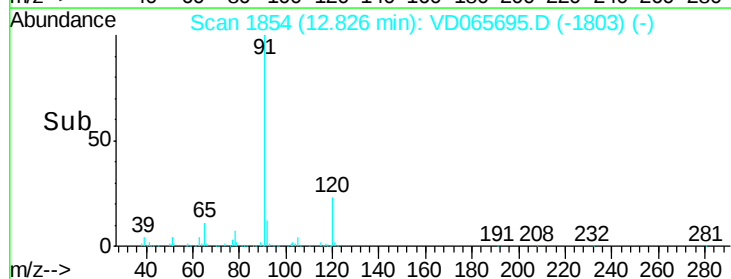
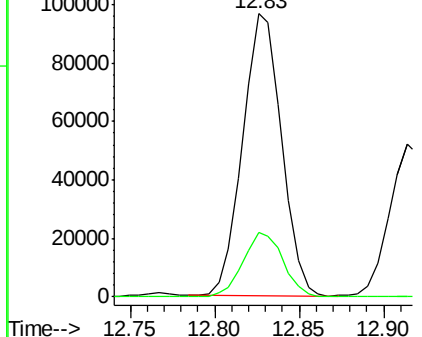
Acq: 06 May 2020 14:17

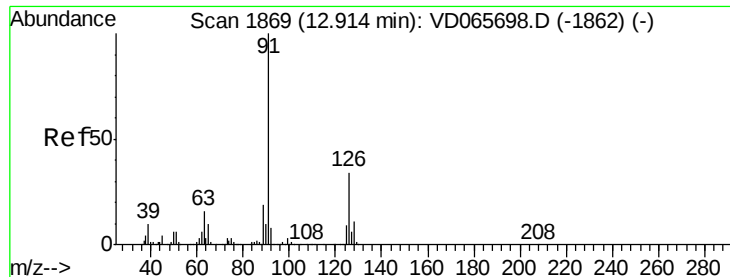
Tgt Ion:	91	Resp:	154535
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.995 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065695.D

Acq: 06 May 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 87574

Ion Ratio Lower Upper

91 100

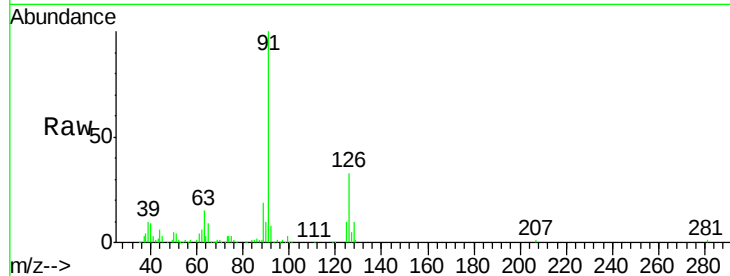
126 33.9 16.9 50.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065695.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065695.D (-1862) (-)

100000

80000

60000

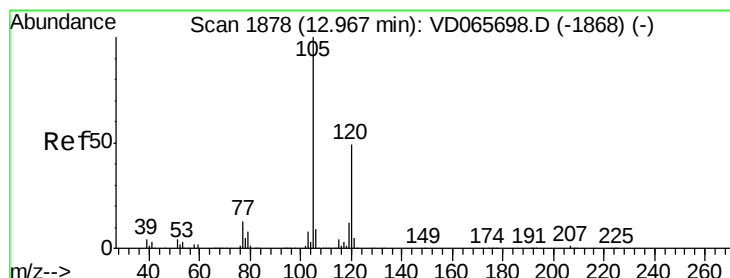
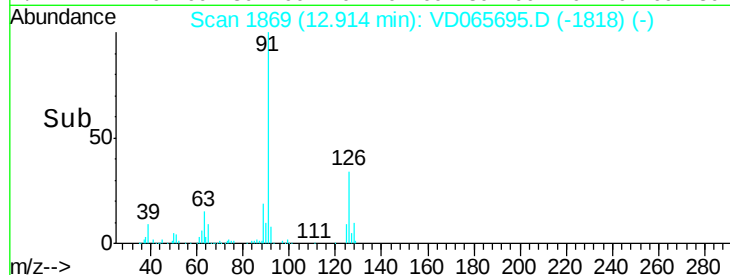
40000

20000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 6.126 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065695.D

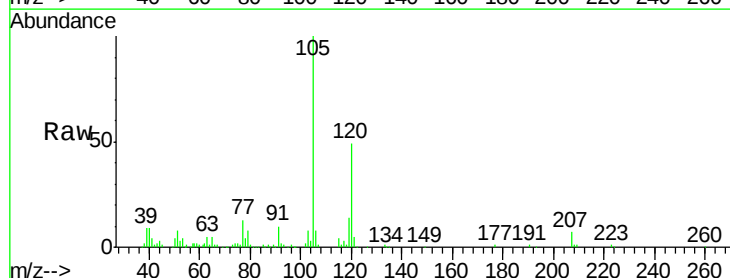
Acq: 06 May 2020 14:17

Tgt Ion:105 Resp: 108780

Ion Ratio Lower Upper

105 100

120 49.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VD065695.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD065695.D (-1827) (-)

80000

60000

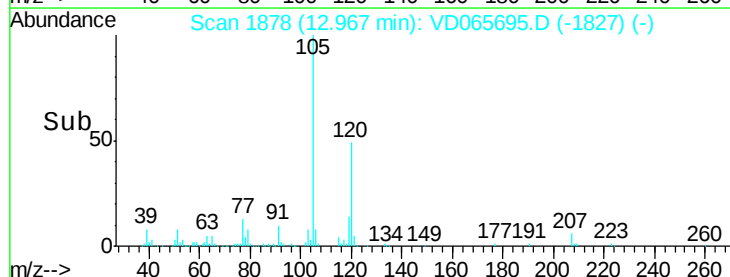
40000

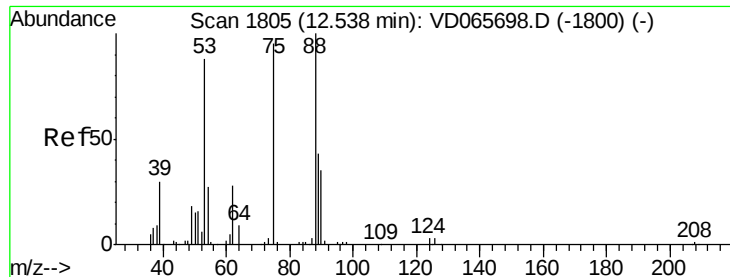
20000

0

12.90 12.95 13.00

Time-->





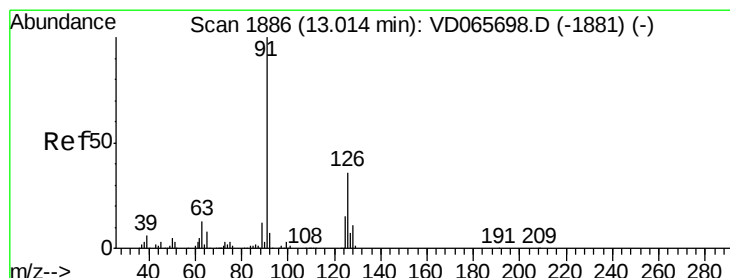
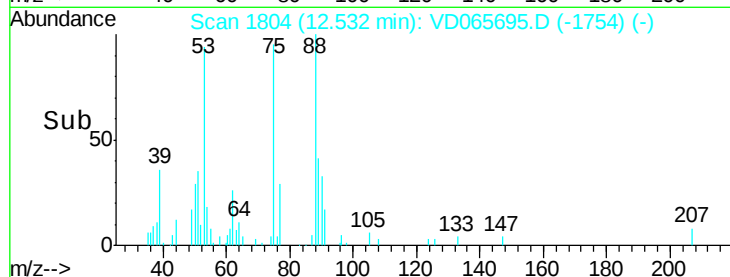
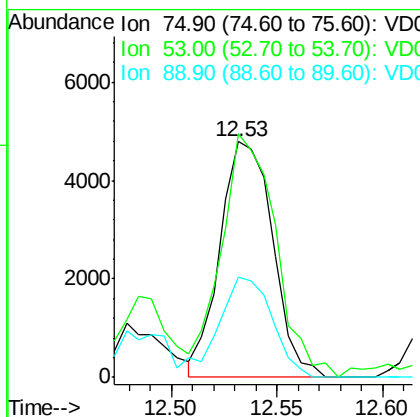
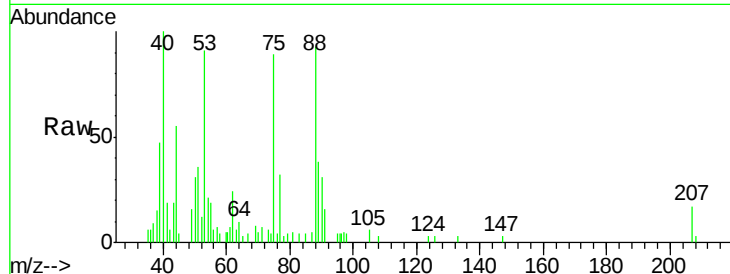
#81
trans-1,4-Dichloro-2-butene
Concen: 6.906 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.5	75.8	113.8
89	40.6	36.2	54.2

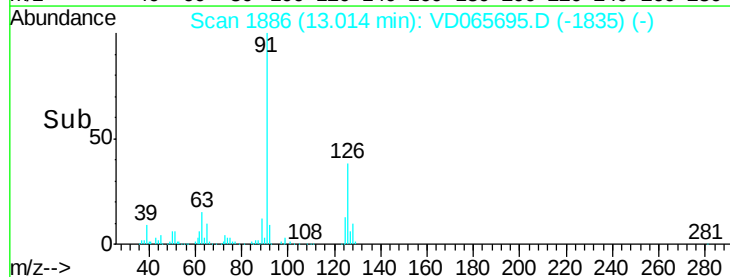
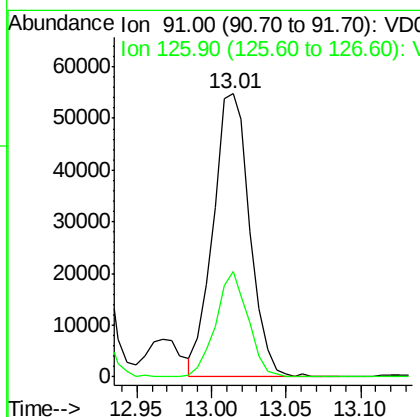
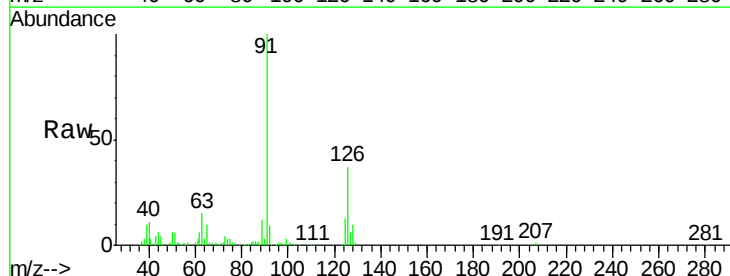
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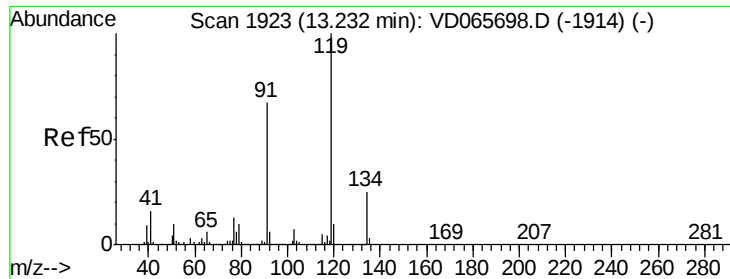
MMDadoda
5/7/2020 10:35:54 AM



#82
4-Chlorotoluene
Concen: 5.994 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	17.1	51.3





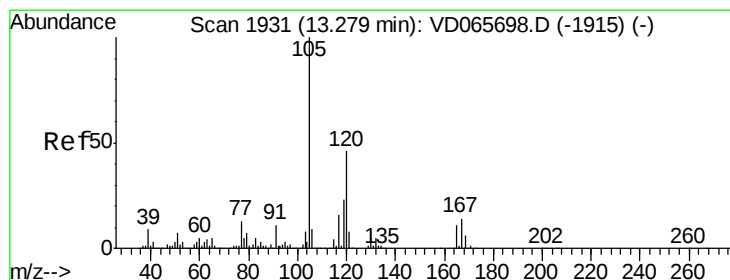
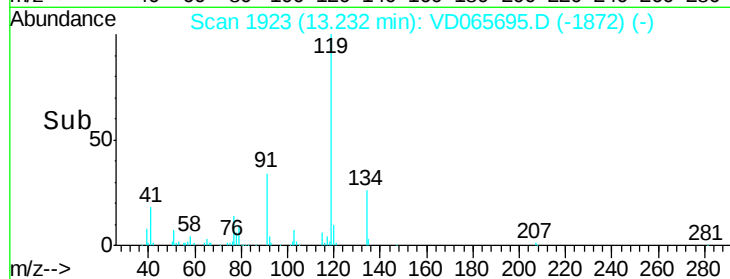
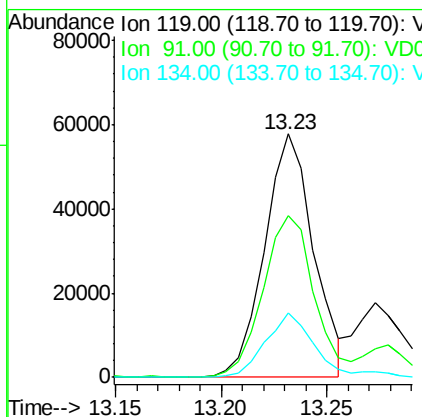
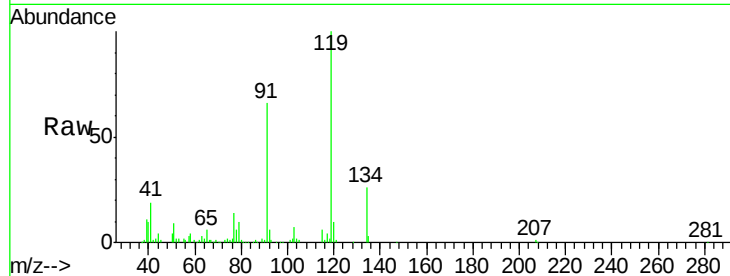
#83
 tert-Butylbenzene
 Concen: 6.296 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.8	33.6	100.8
134	27.0	13.6	40.8

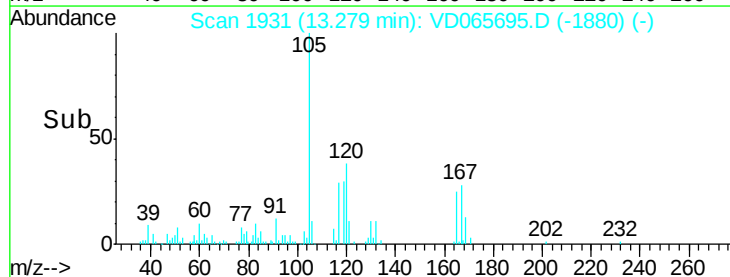
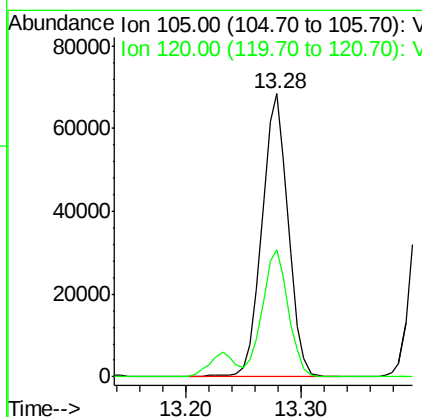
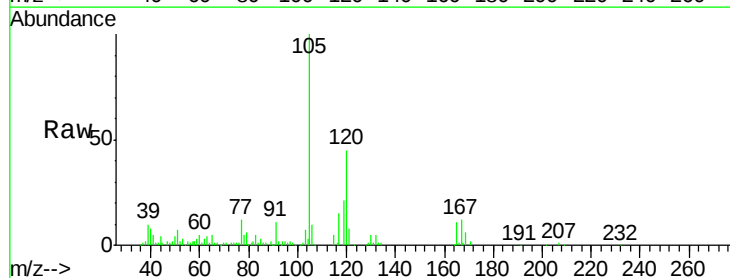
Manual Integrations
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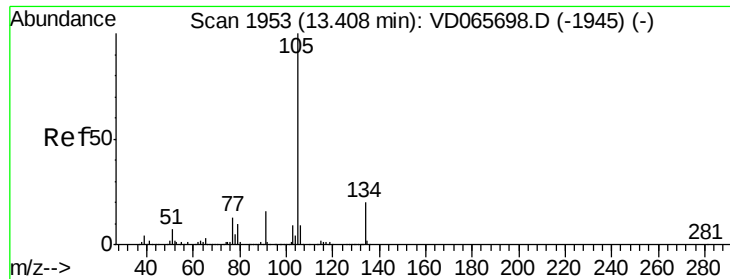
MMDadoda
 5/7/2020 10:35:54 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 6.179 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.8	68.4





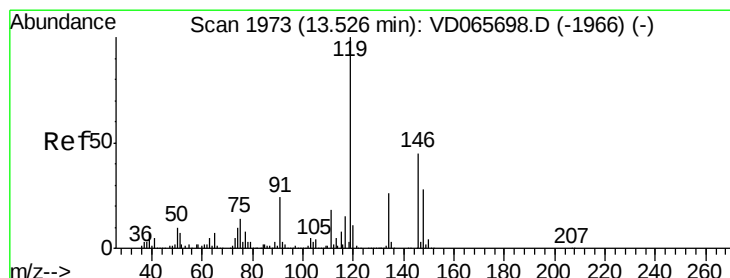
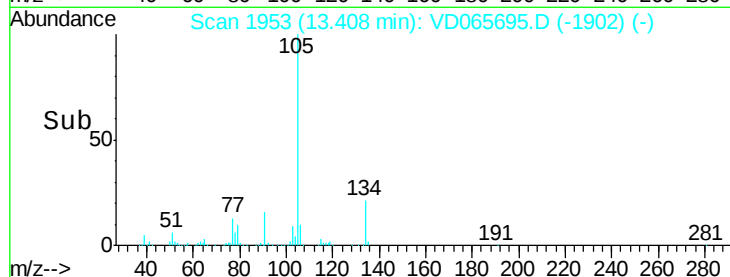
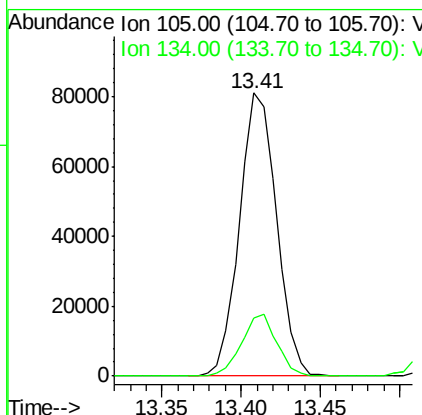
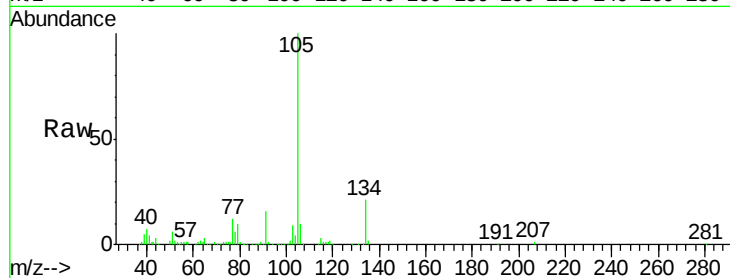
#85
 sec-Butylbenzene
 Concen: 6.220 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.8

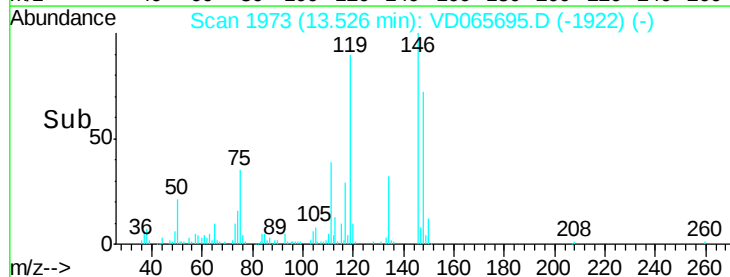
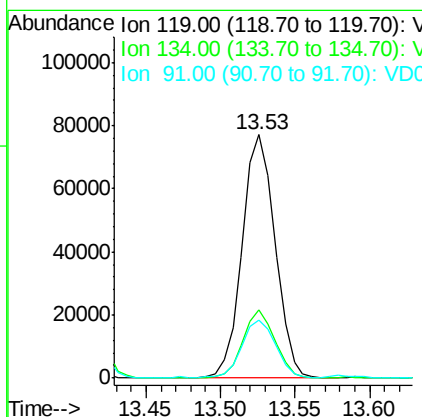
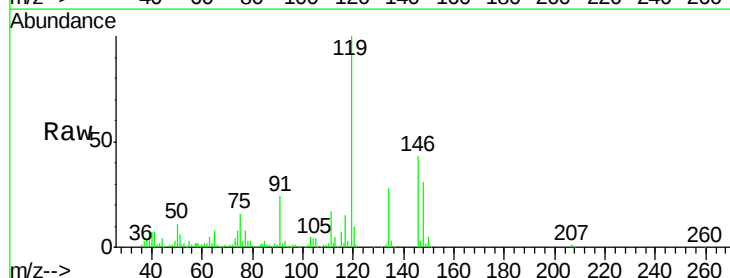
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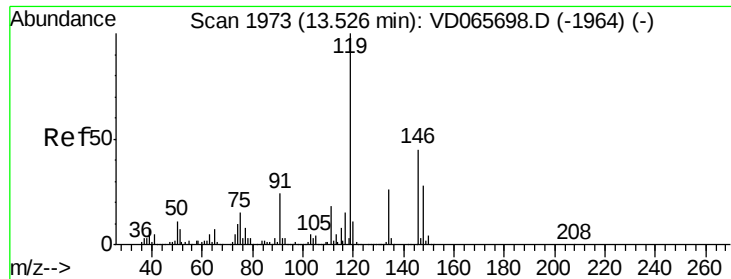
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 5/7/2020 10:35:54 AM



#86
 p-Isopropyltoluene
 Concen: 6.094 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.2	39.6
91	24.6	12.0	36.1





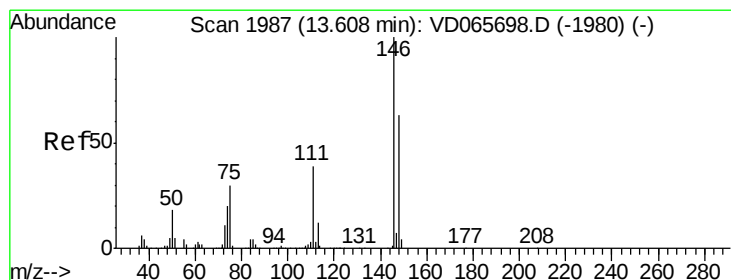
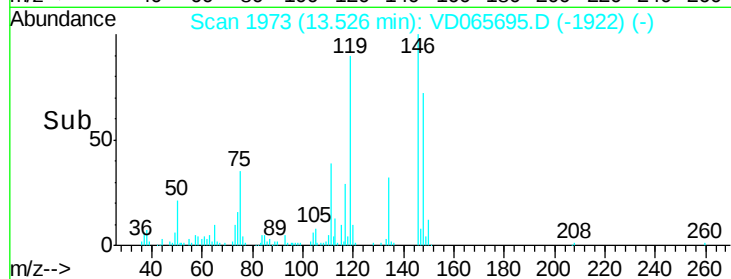
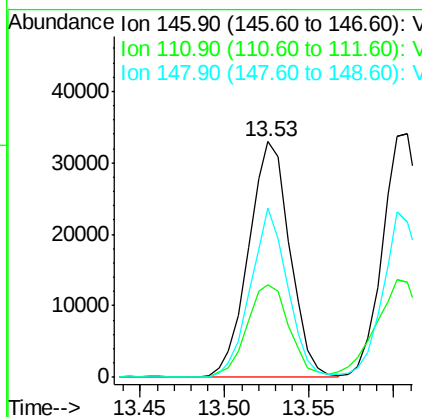
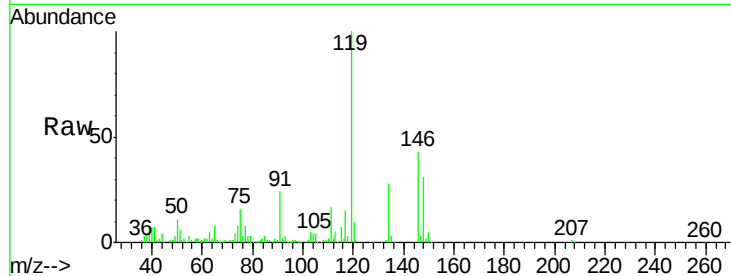
#87
 1,3-Dichlorobenzene
 Concen: 5.130 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.8
148	64.6	31.9	95.7

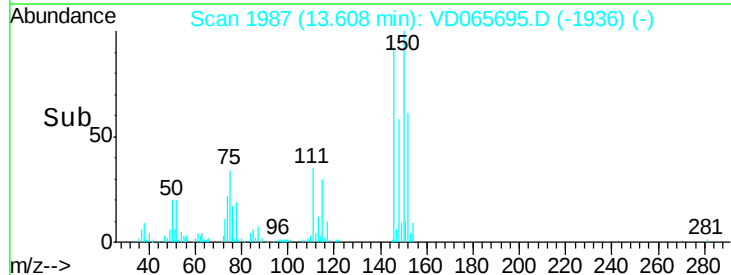
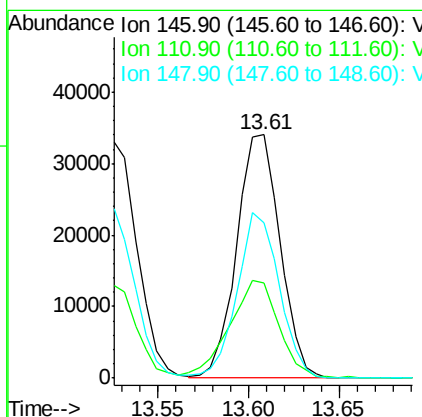
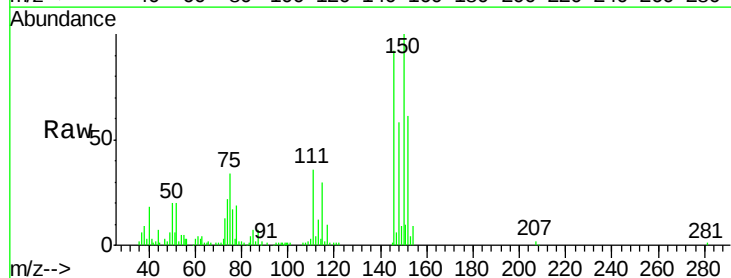
Manual Integrations
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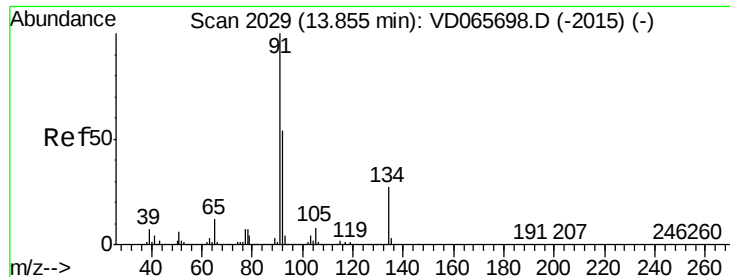
MMDadoda
 5/7/2020 10:35:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.199 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	19.6	58.7
148	65.9	31.9	95.5





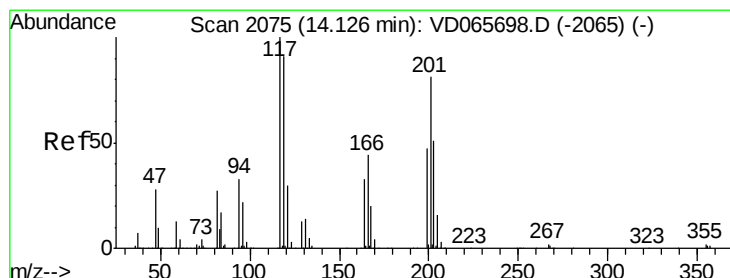
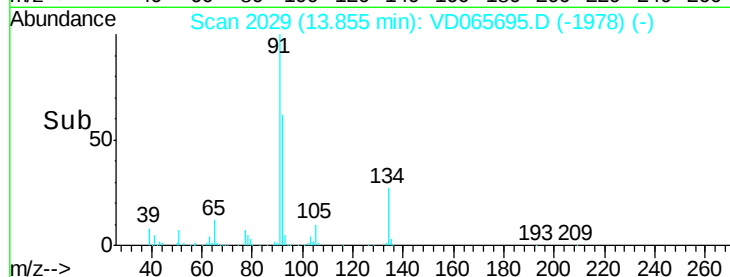
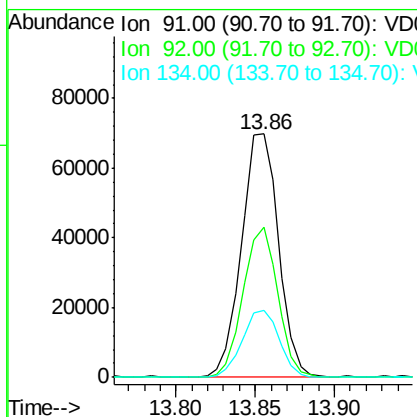
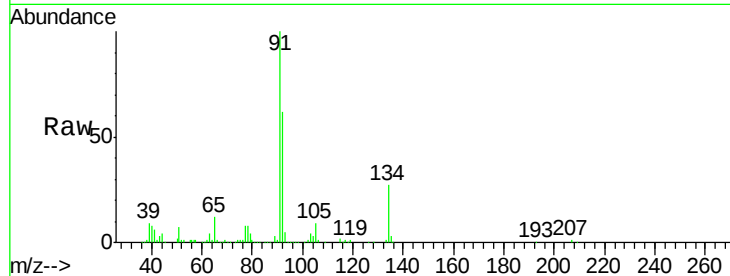
#89
n-Butylbenzene
Concen: 6.374 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		113721		
92	57.8	27.4	82.0		
134	27.5	13.3	39.8		

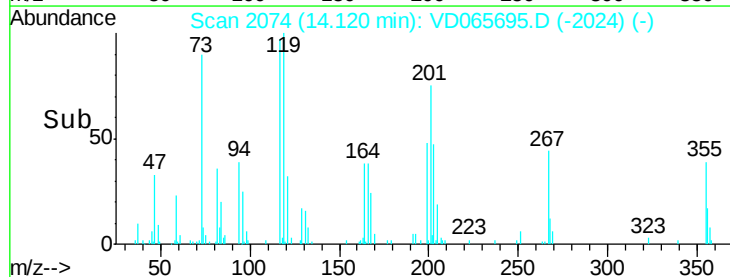
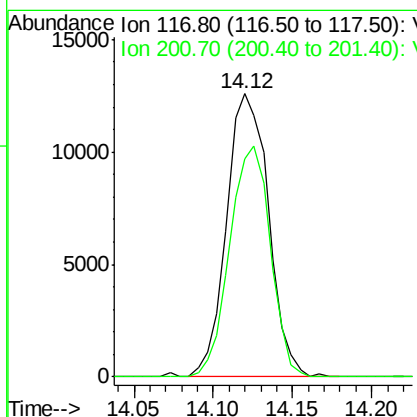
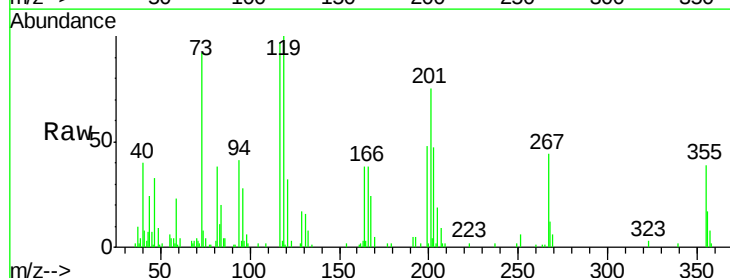
Manual Integrations
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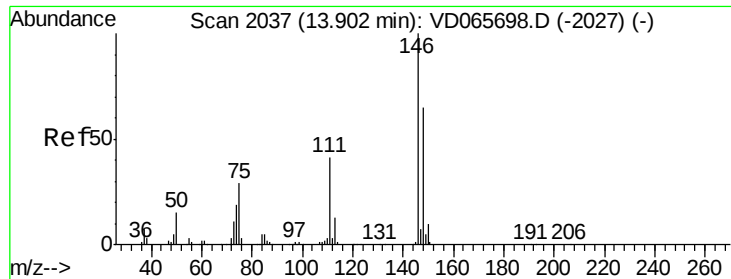
MMDadoda
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#90
Hexachloroethane
Concen: 5.427 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		23078		
201	78.8	39.1	117.2		





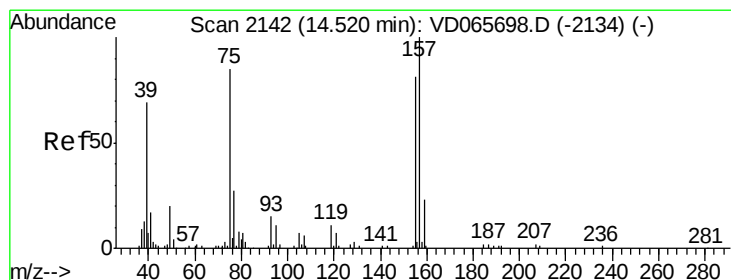
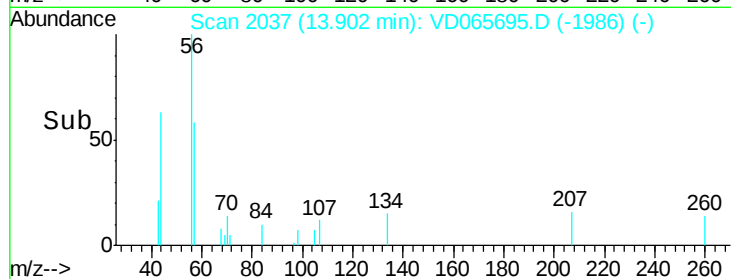
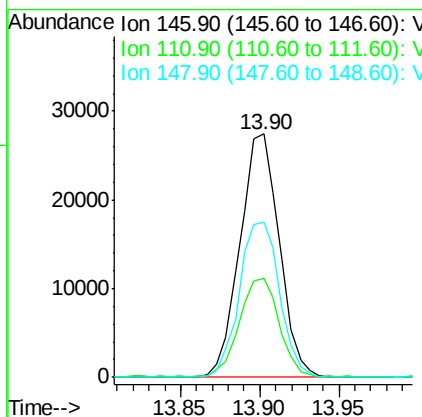
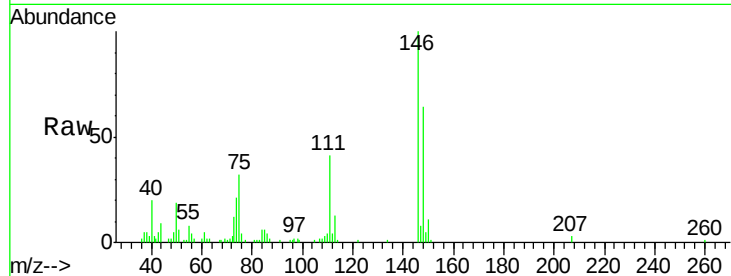
#91
 1,2-Dichlorobenzene
 Concen: 5.074 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	61.0
148	65.2	31.9	95.9

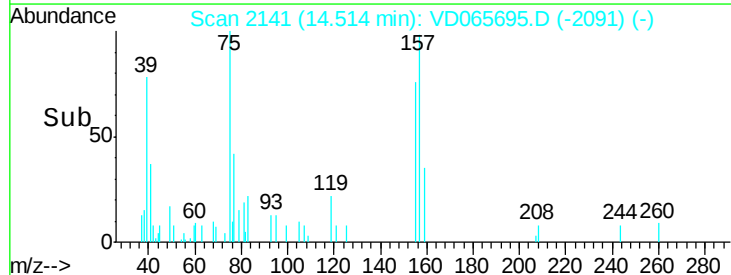
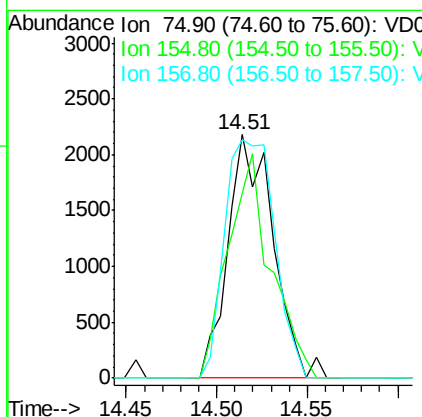
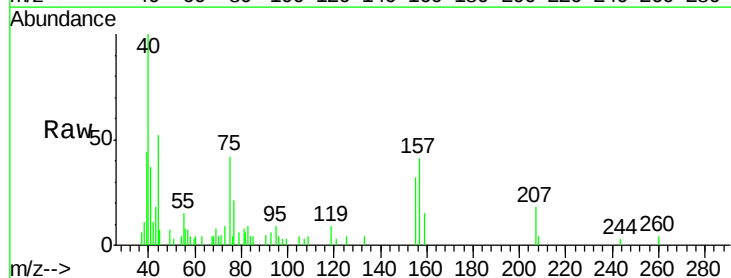
Manual Integrations
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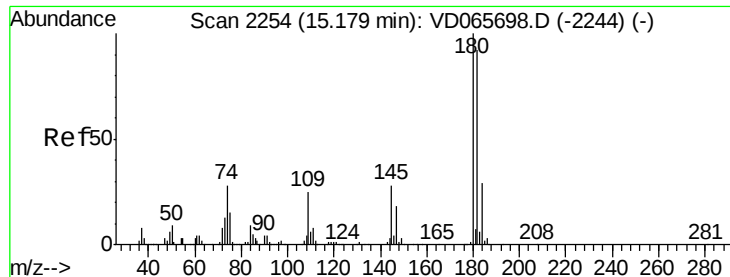
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.068 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	43.5	130.5
157	108.4	54.5	163.6





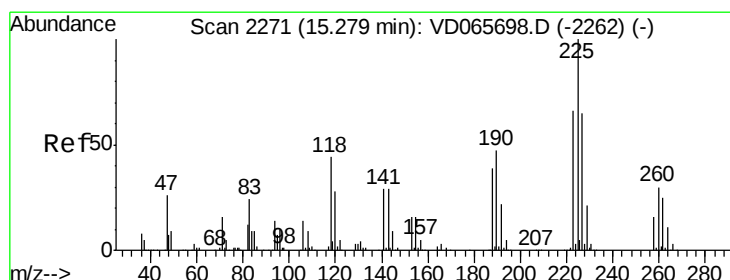
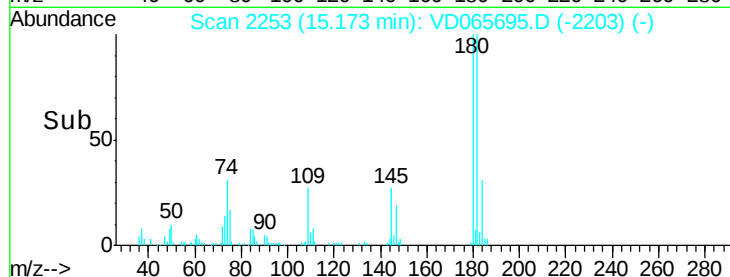
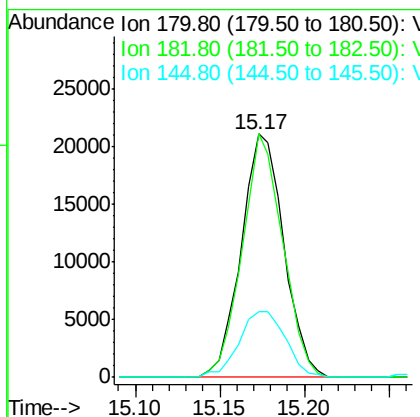
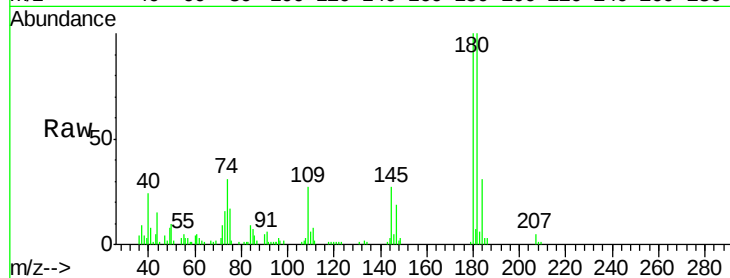
#93
 1,2,4-Trichlorobenzene
 Concen: 5.895 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	36914		
182	95.2	47.0	141.0	
145	29.5	14.8	44.3	

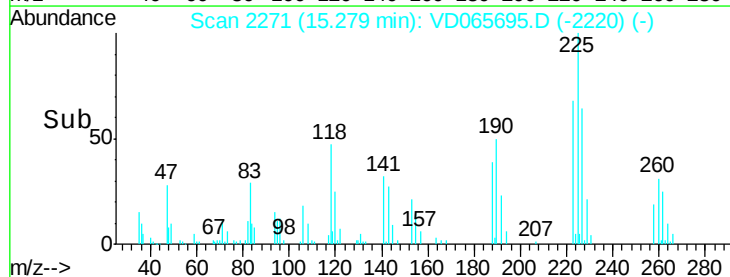
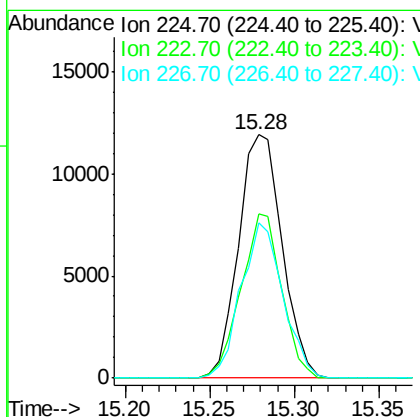
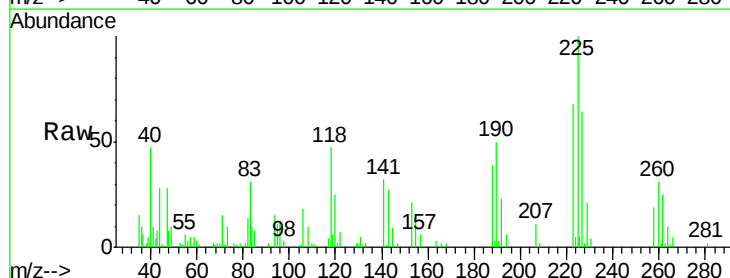
Manual Integrations
 APPROVED

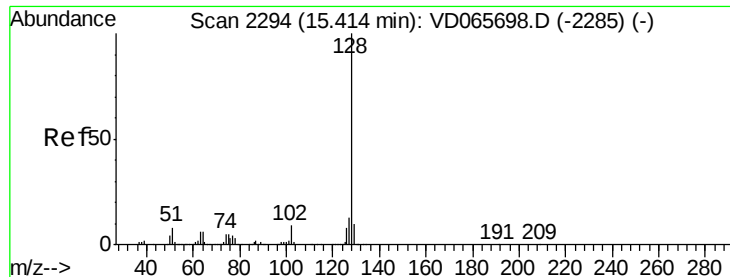
MMDadoda
 5/7/2020 10:35:54 AM



#94
 Hexachlorobutadiene
 Concen: 5.052 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065695.D
 Acq: 06 May 2020 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21368		
223	62.9	31.8	95.3	
227	61.3	31.6	94.8	





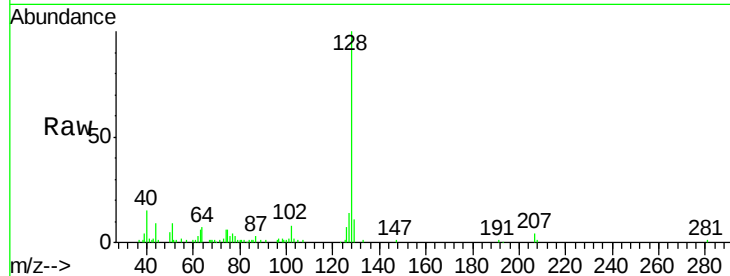
#95
Naphthalene
Concen: 6.917 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

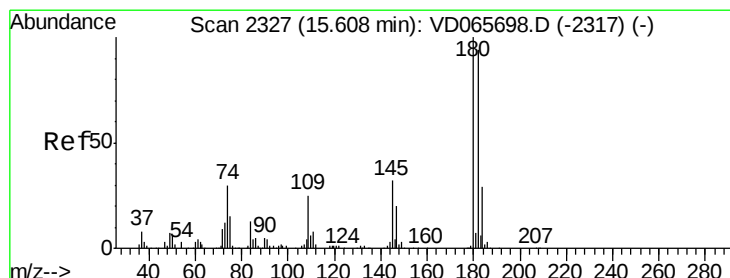
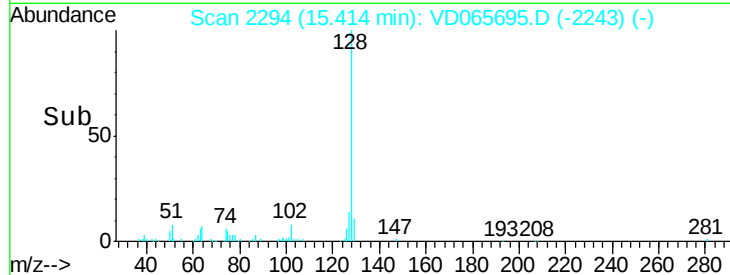
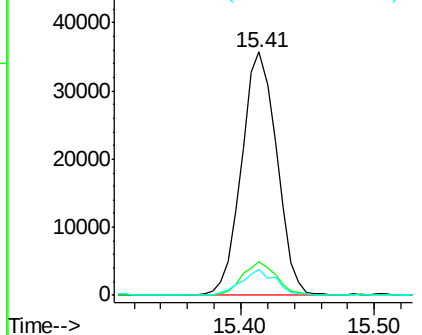
Tot Ion:128	Resp:	65099
Ion Ratio	Lower	Upper
128 100		
127 13.4	10.4	15.6
129 10.4	9.0	13.4

Manual Integrations
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5/7/2020 10:35:54 AM

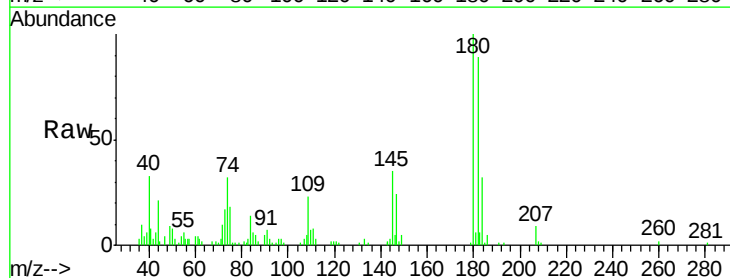


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 5.682 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065695.D
Acq: 06 May 2020 14:17

Tgt Ion:180	Resp:	30668
Ion Ratio	Lower	Upper
180 100		
182 96.0	46.9	140.6
145 32.4	16.0	47.9



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

