

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065405.D
 Acq On : 04 Mar 2020 11:04
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:25 PM

Quant Time: Mar 05 01:22:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	481955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	732542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	673683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	42367	10.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.38%	
35) Dibromofluoromethane	7.92	113	44610	9.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.64%	
50) Toluene-d8	10.34	98	164911	9.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.92%	
62) 4-Bromofluorobenzene	12.64	95	50299	9.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	50380	12.055	ug/l	100
3) Chloromethane	2.21	50	56294	11.245	ug/l	99
4) Vinyl Chloride	2.36	62	52585	10.623	ug/l	100
5) Bromomethane	2.77	94	36652	11.523	ug/l	95
6) Chloroethane	2.93	64	33046	10.938	ug/l	96
7) Trichlorofluoromethane	3.27	101	80734	11.062	ug/l	98
8) Diethyl Ether	3.71	74	21728	9.971	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	49621	10.563	ug/l	99
10) Methyl Iodide	4.30	142	47814	9.858	ug/l	97
11) Tert butyl alcohol	5.23	59	11572m	51.475	ug/l	
12) 1,1-Dichloroethene	4.06	96	46337	10.309	ug/l	84
13) Acrolein	3.93	56	20024	48.821	ug/l	95
14) Allyl chloride	4.71	41	68120	9.837	ug/l	98
15) Acrylonitrile	5.43	53	45983	48.032	ug/l	99
16) Acetone	4.17	43	40138	47.340	ug/l	94
17) Carbon Disulfide	4.40	76	157124	10.471	ug/l	99
18) Methyl Acetate	4.73	43	20859	9.623	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	80880	9.257	ug/l	97
20) Methylene Chloride	4.97	84	58960	11.217	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	49452	9.863	ug/l	98
22) Diisopropyl ether	6.37	45	127657	9.824	ug/l	97
23) Vinyl Acetate	6.31	43	313748	43.537	ug/l	100
24) 1,1-Dichloroethane	6.27	63	85833	10.399	ug/l	99
25) 2-Butanone	7.23	43	53452	46.080	ug/l	91
26) 2,2-Dichloropropane	7.21	77	72527	10.053	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	50772	9.874	ug/l	97
28) Bromochloromethane	7.55	49	33377	9.968	ug/l	98
29) Tetrahydrofuran	7.57	42	33380	44.795	ug/l	98
30) Chloroform	7.71	83	87631	10.557	ug/l	98
31) Cyclohexane	7.98	56	83122	10.120	ug/l	88
32) 1,1,1-Trichloroethane	7.91	97	79063	10.378	ug/l	98
36) 1,1-Dichloropropene	8.11	75	68386	9.707	ug/l	99
37) Ethyl Acetate	7.30	43	24576	8.913	ug/l	96
38) Carbon Tetrachloride	8.10	117	72558	9.978	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76623	9.103	ug/l	97
40) Benzene	8.36	78	198548	10.054	ug/l	99
41) Methacrylonitrile	7.54	41	12525	8.938	ug/l	88
42) 1,2-Dichloroethane	8.43	62	52965	10.192	ug/l	99
43) Isopropyl Acetate	8.46	43	45332	8.983	ug/l	97
44) Trichloroethene	9.12	130	55038	9.927	ug/l	93
45) 1,2-Dichloropropane	9.40	63	48175	10.044	ug/l	99
46) Dibromomethane	9.48	93	24706	9.907	ug/l	98
47) Bromodichloromethane	9.67	83	66300	10.240	ug/l #	95
48) Methyl methacrylate	9.46	41	20762	8.698	ug/l	100
49) 1,4-Dioxane	9.47	88	4859	169.271	ug/l #	89
51) 4-Methyl-2-Pentanone	10.24	43	114240	44.764	ug/l	97
52) Toluene	10.41	92	120133	9.645	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	57183	9.387	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	71689	9.744	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	34920	9.901	ug/l	97
56) Ethyl methacrylate	10.67	69	34335	8.587	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57343	9.581	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	90726	63.824	ug/l	97
59) 2-Hexanone	10.99	43	74579	42.155	ug/l	98
60) Dibromochloromethane	11.14	129	43985	9.685	ug/l	97
61) 1,2-Dibromoethane	11.26	107	32366	9.609	ug/l	99
64) Tetrachloroethene	10.88	164	46795	9.670	ug/l	99
65) Chlorobenzene	11.67	112	134150	10.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	48735	9.960	ug/l	99
67) Ethyl Benzene	11.75	91	214932	9.303	ug/l	96
68) m/p-Xylenes	11.86	106	168804	18.952	ug/l	98
69) o-Xylene	12.19	106	71940	9.183	ug/l	98
70) Styrene	12.20	104	127870	9.253	ug/l	99
71) Bromoform	12.37	173	26649	9.655	ug/l #	99
73) Isopropylbenzene	12.48	105	192933	8.958	ug/l	99
74) N-amyl acetate	12.30	43	37872	8.515	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36831	9.639	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	24557m	5.422	ug/l	
77) Bromobenzene	12.77	156	51962	9.621	ug/l	98
78) n-propylbenzene	12.83	91	237872	9.280	ug/l	99
79) 2-Chlorotoluene	12.91	91	139309	9.661	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	166534	9.392	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	10892	8.862	ug/l	95
82) 4-Chlorotoluene	13.01	91	145712	9.584	ug/l	99
83) tert-Butylbenzene	13.23	119	134818	9.005	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	164317	9.387	ug/l	100
85) sec-Butylbenzene	13.41	105	197345	9.235	ug/l	99
86) p-Isopropyltoluene	13.53	119	177276	9.088	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	101470	9.838	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	101019	9.818	ug/l	96
89) n-Butylbenzene	13.86	91	162468	9.025	ug/l	98
90) Hexachloroethane	14.13	117	38844	9.644	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	85816	9.705	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5797	9.884	ug/l	81

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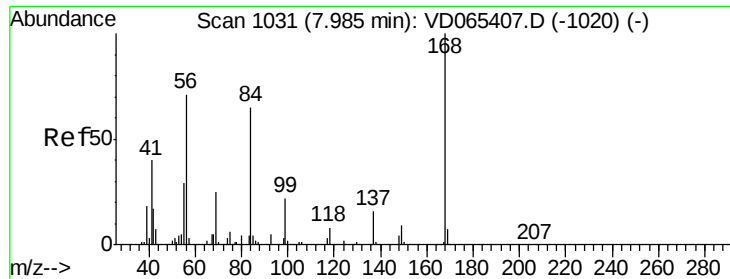
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	54221	9.116	ug/l	100
94) Hexachlorobutadiene	15.28	225	35708	9.177	ug/l	95
95) Naphthalene	15.41	128	74158	7.753	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	47318	9.159	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 481955

Ion Ratio Lower Upper

168 100

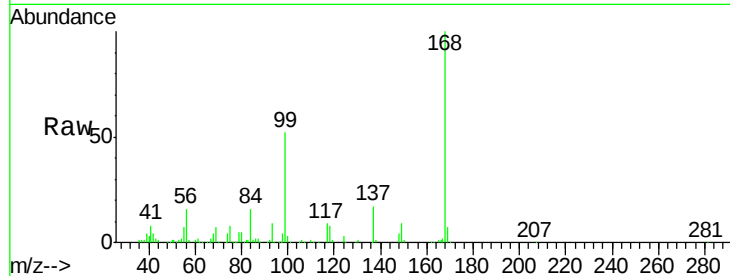
99 52.0 41.5 62.3

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

200000

150000

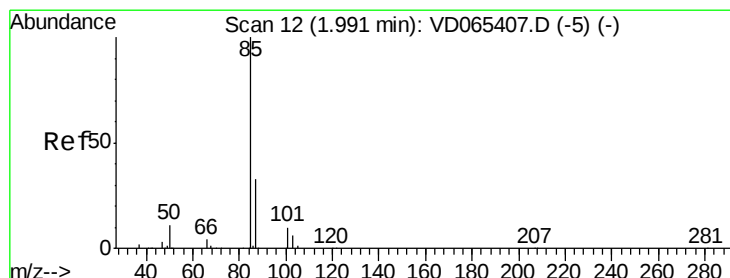
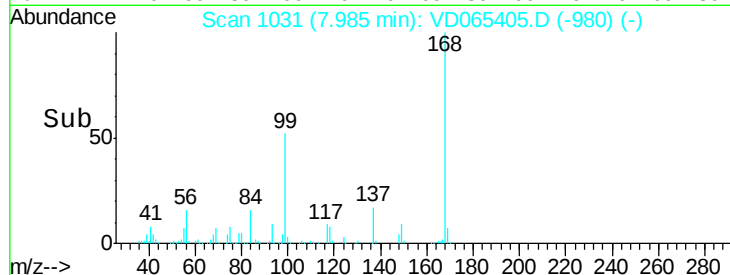
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 12.055 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065405.D

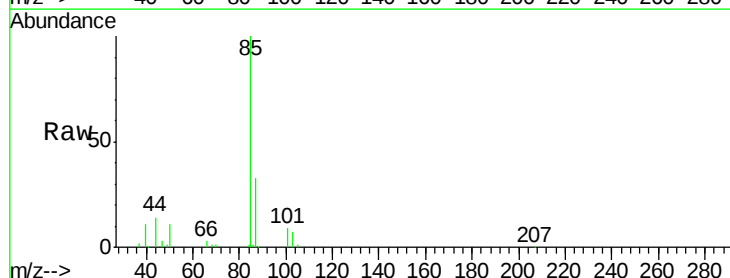
Acq: 04 Mar 2020 11:04

Tgt Ion: 85 Resp: 50380

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

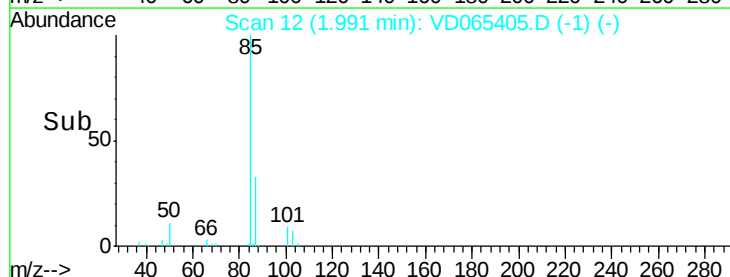
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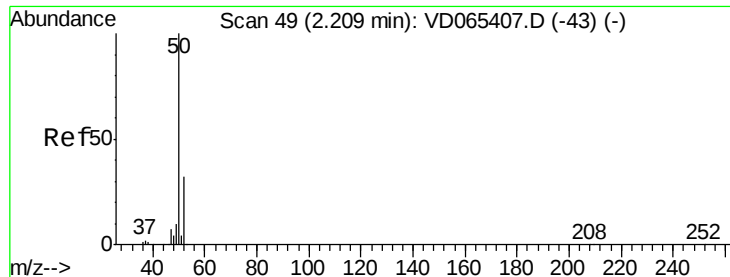
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 11.245 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 56294

Ion Ratio Lower Upper

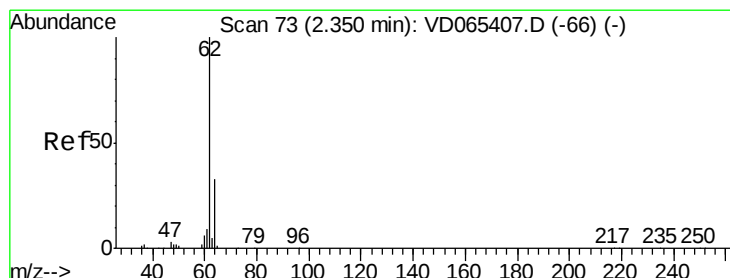
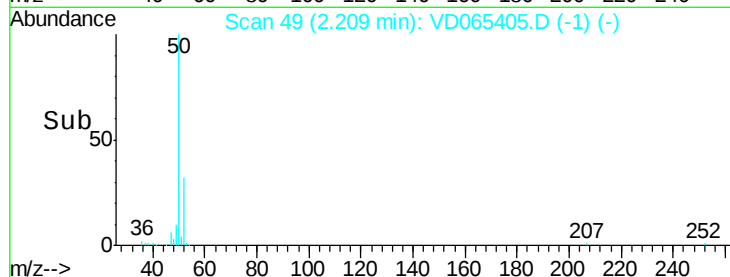
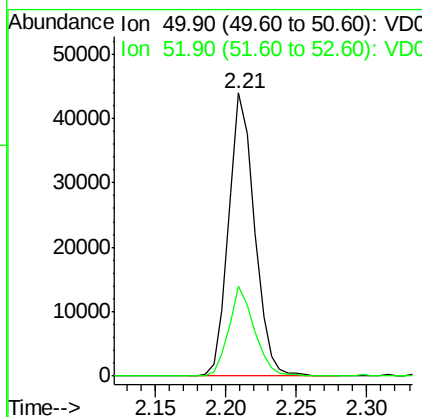
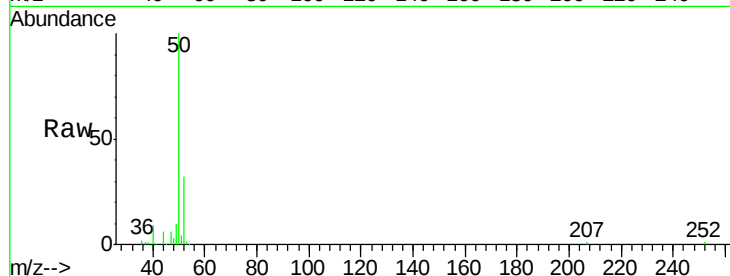
50 100

52 31.8 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 10.623 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065405.D

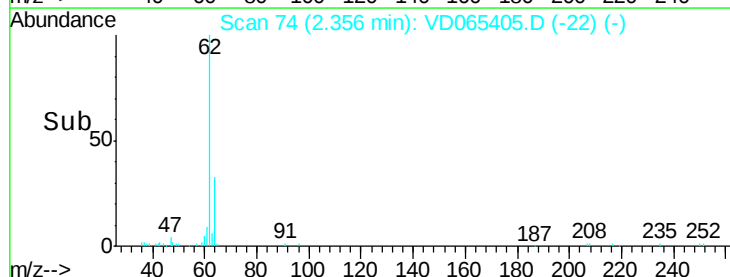
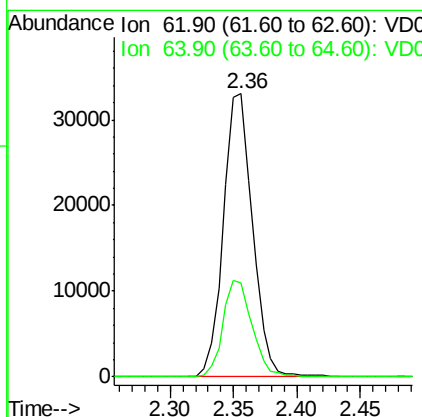
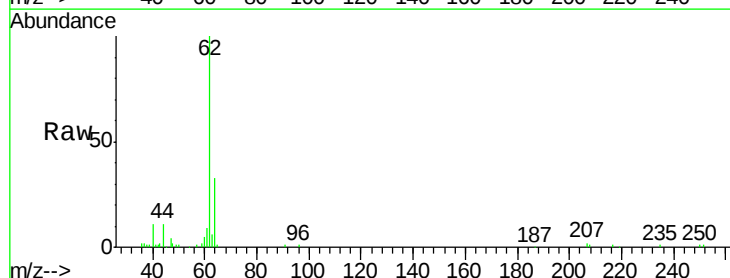
Acq: 04 Mar 2020 11:04

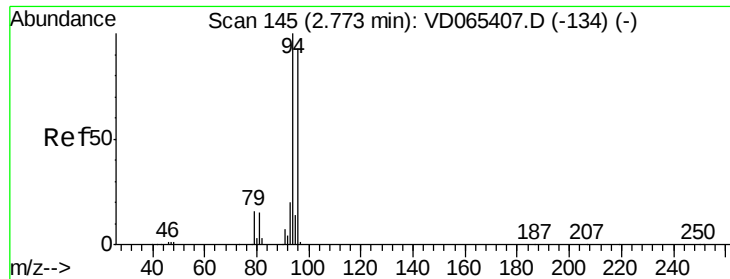
Tgt Ion: 62 Resp: 52585

Ion Ratio Lower Upper

62 100

64 33.4 26.6 39.8





#5

Bromomethane

Concen: 11.523 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 36652

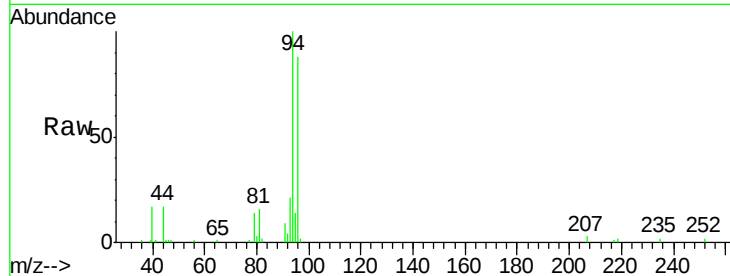
Ion Ratio Lower Upper

94 100

96 88.2 74.4 111.6

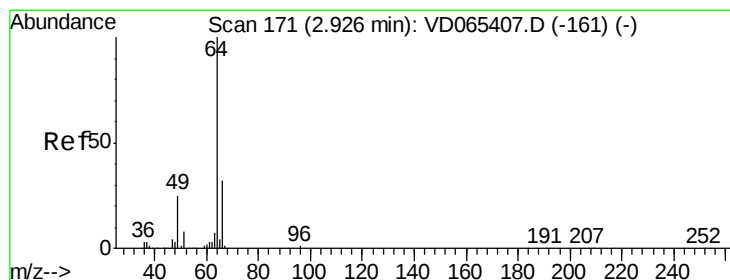
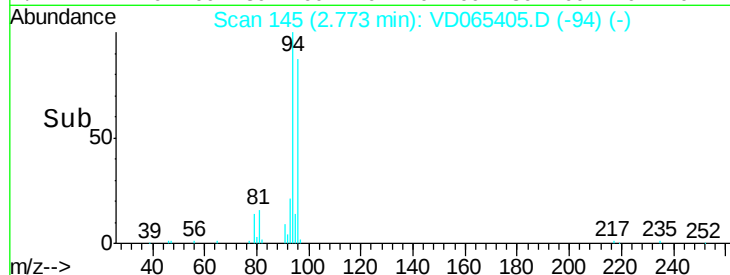
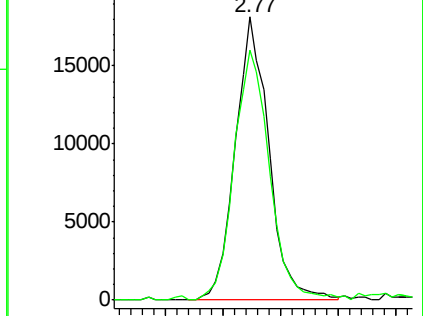
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.938 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065405.D

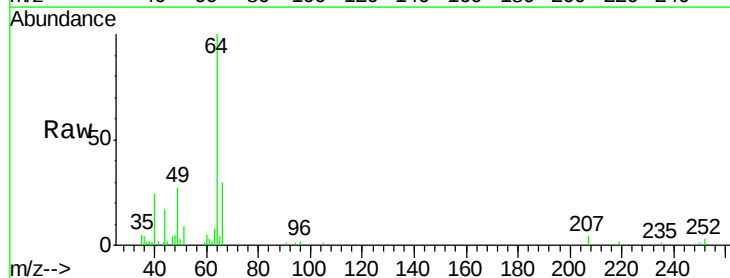
Acq: 04 Mar 2020 11:04

Tgt Ion: 64 Resp: 33046

Ion Ratio Lower Upper

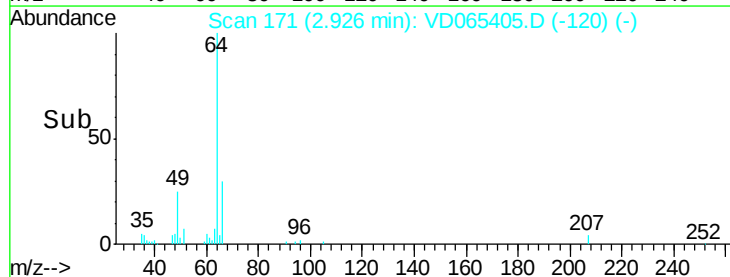
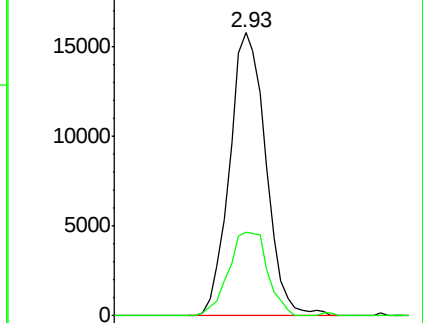
64 100

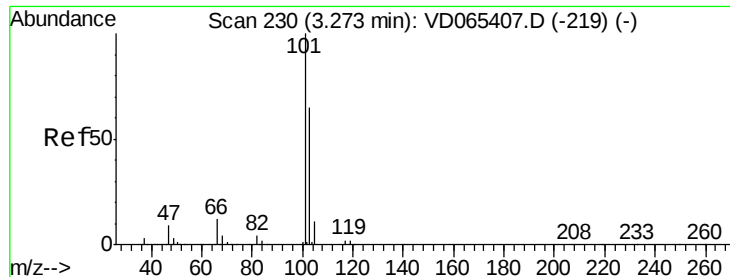
66 29.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

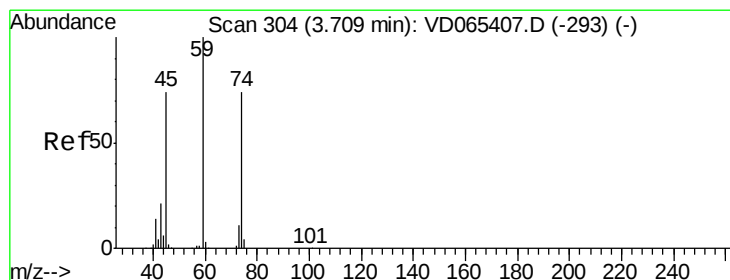
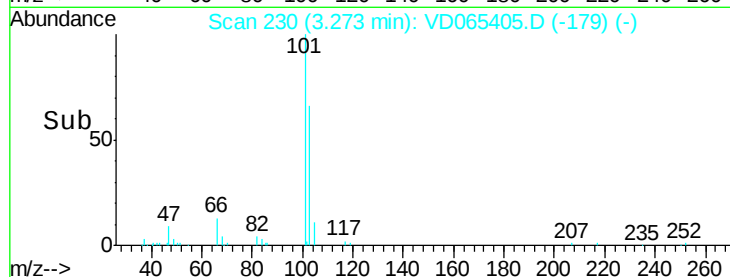
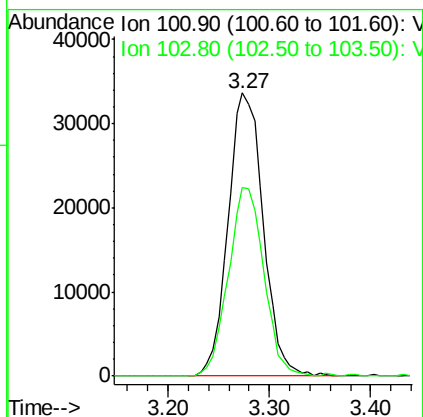
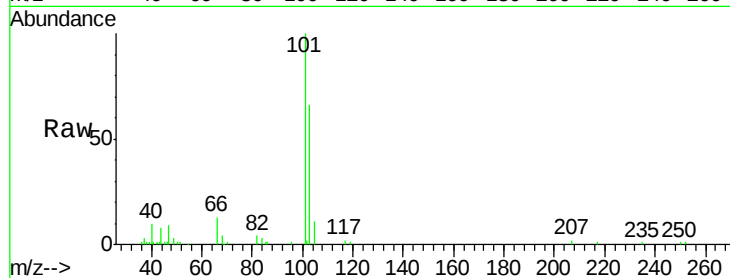
Trichlorofluoromethane
 Concen: 11.062 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

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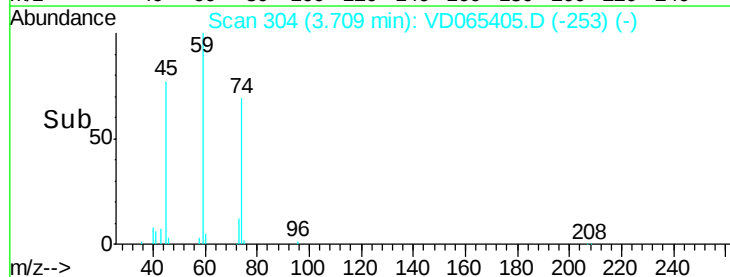
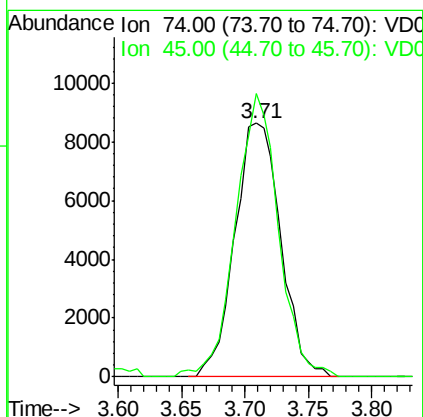
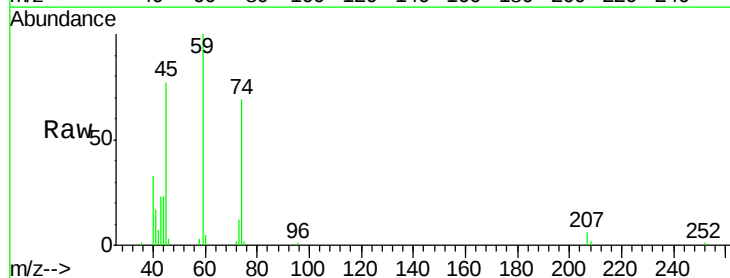
MMDadoda
 3/5/2020 1:38:25 PM

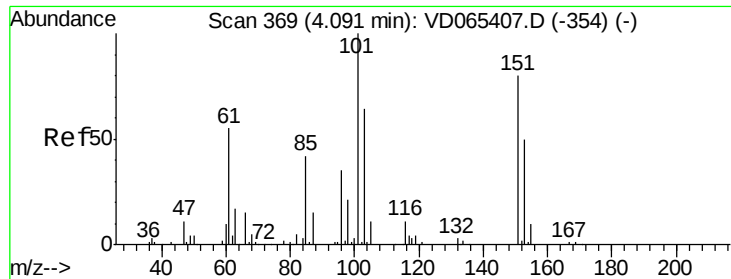


#8

Diethyl Ether
 Concen: 9.971 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.563 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

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MSVOA_D

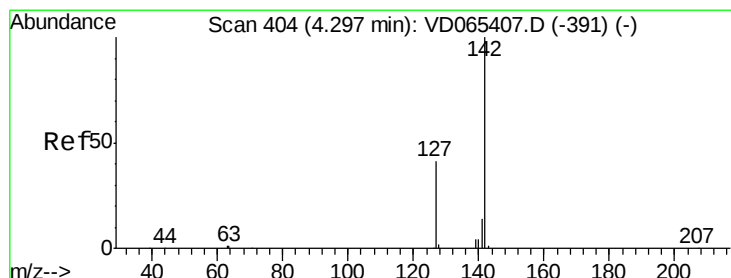
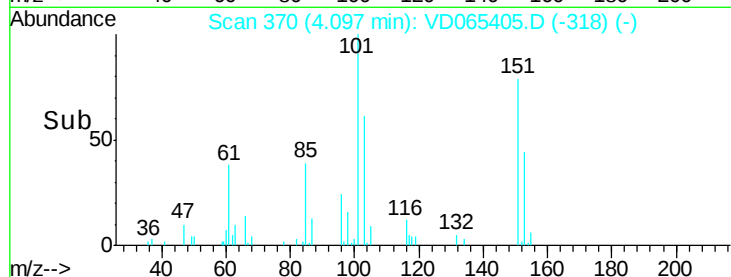
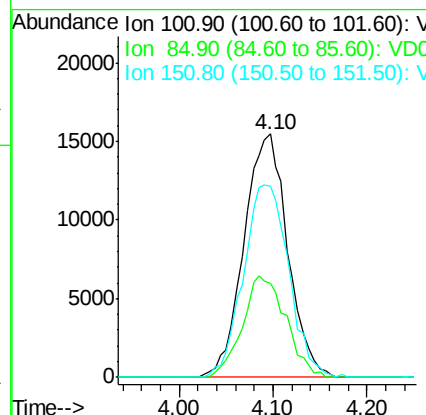
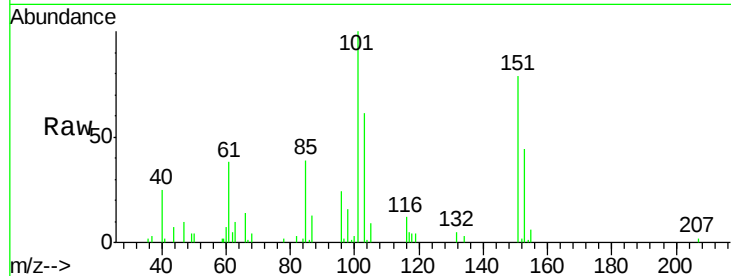
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	49621
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.2	51.2
151	82.2	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 9.858 ug/l

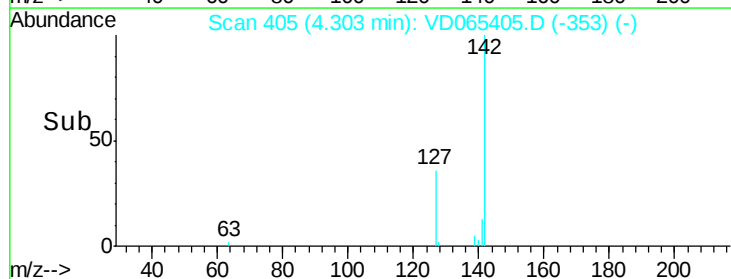
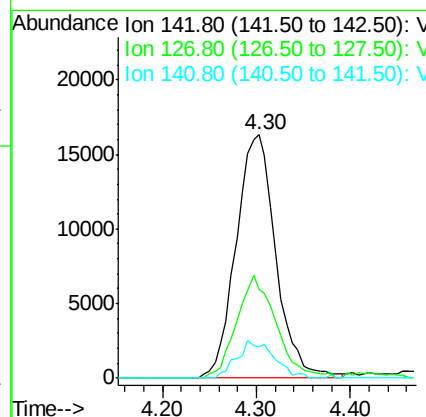
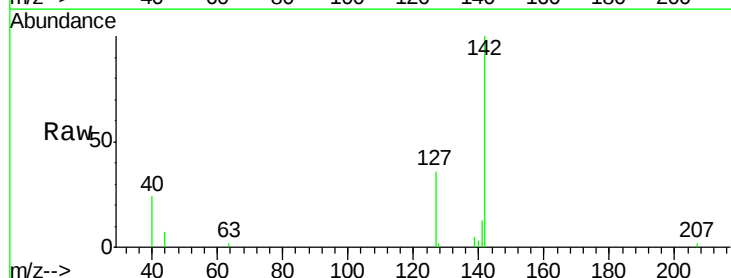
RT: 4.30 min Scan# 405

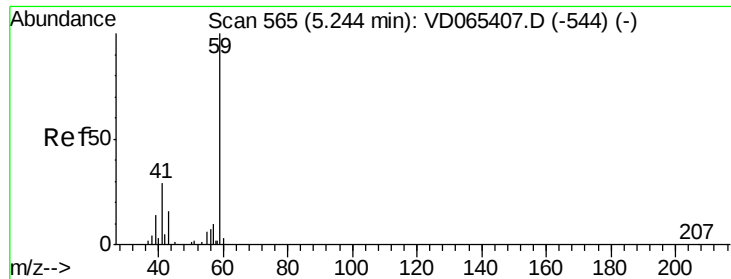
Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion:	142	Resp:	47814
Ion Ratio	Lower	Upper	
142	100		
127	41.7	35.0	52.6
141	14.2	12.4	18.6





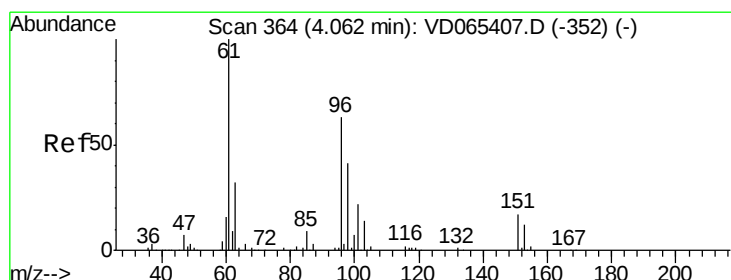
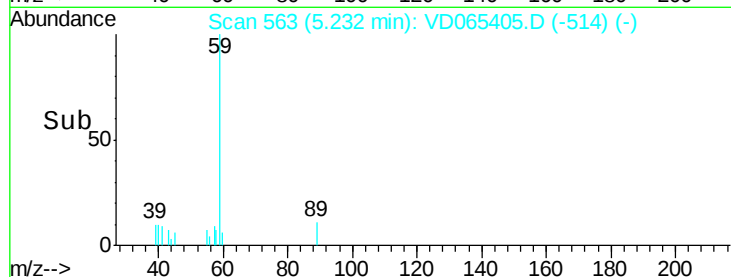
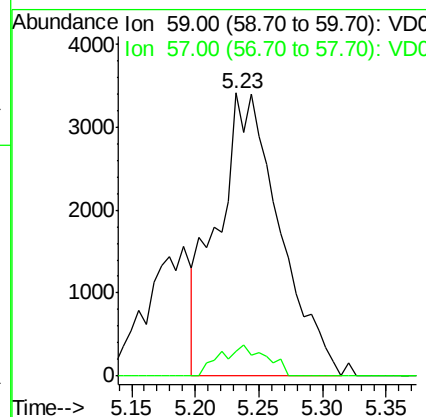
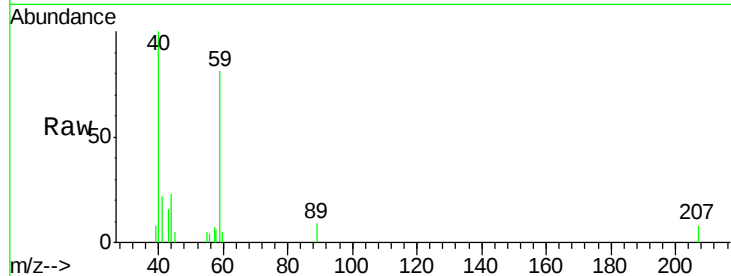
#11
Tert butyl alcohol
Concen: 51.475 ug/l m
RT: 5.23 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	8.1	6.9	10.3	

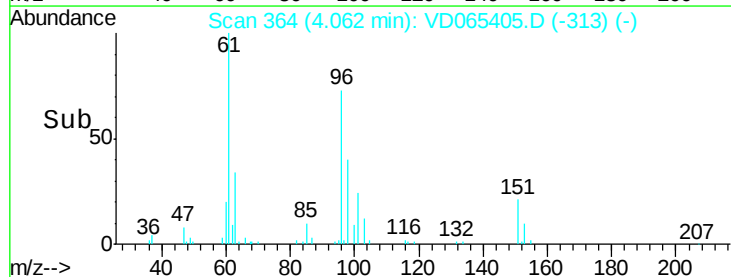
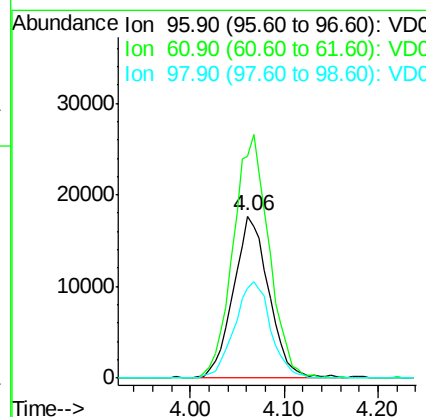
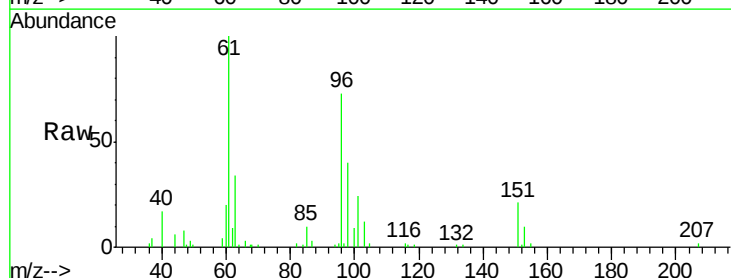
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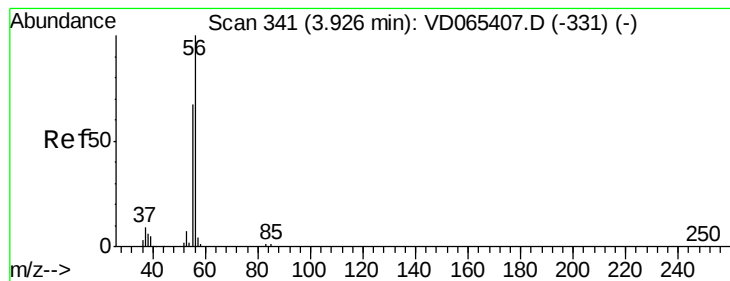
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#12
1,1-Dichloroethene
Concen: 10.309 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	137.3	128.0	192.0	
98	55.5	51.9	77.9	





#13

Acrolein

Concen: 48.821 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 20024

Ion Ratio Lower Upper

56 100

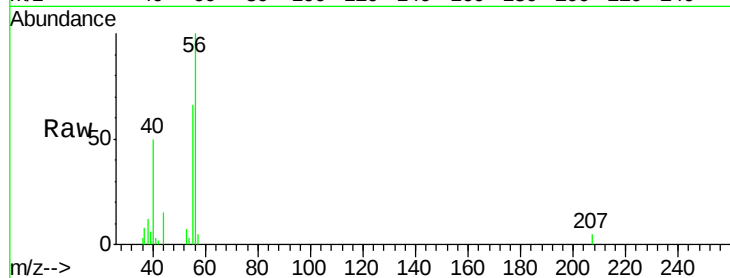
55 74.9 56.6 85.0

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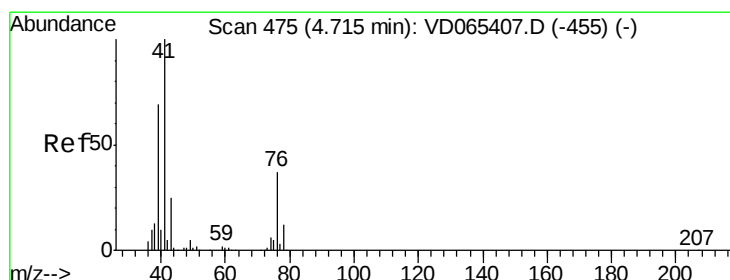
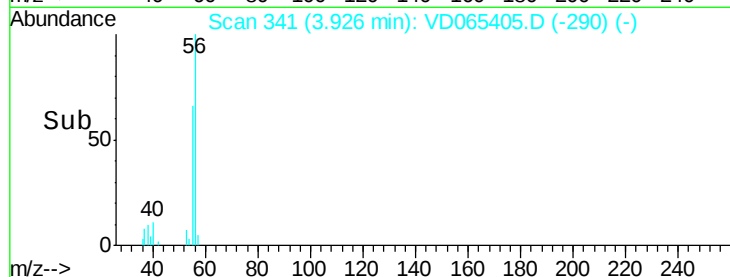
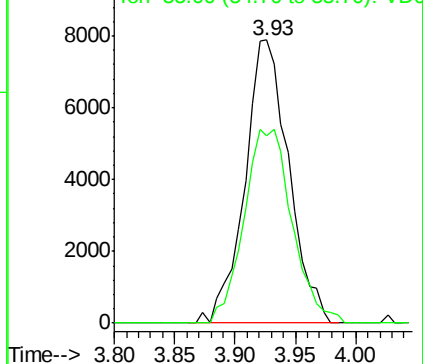
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.837 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

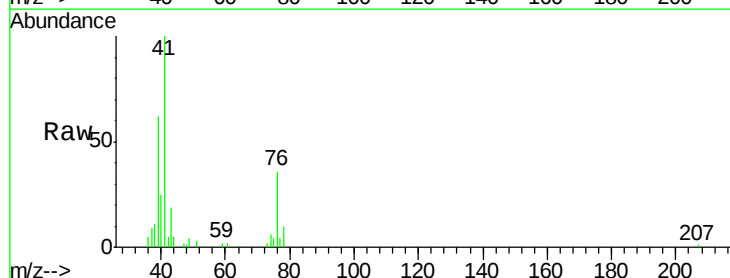
Tgt Ion: 41 Resp: 68120

Ion Ratio Lower Upper

41 100

39 63.3 52.6 79.0

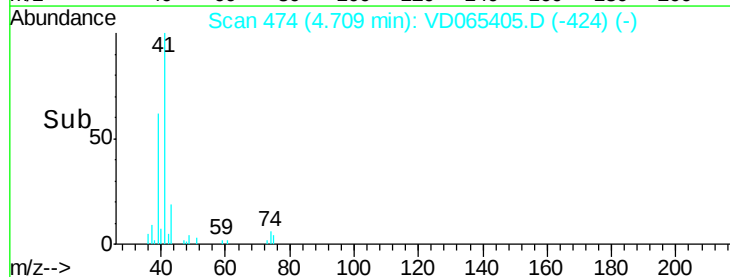
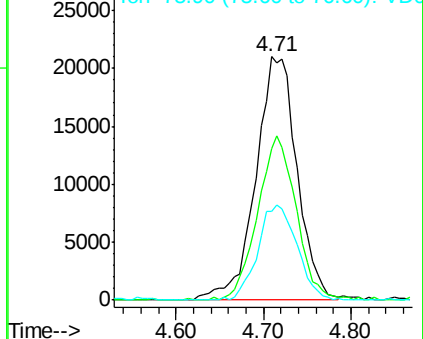
76 37.2 29.2 43.8

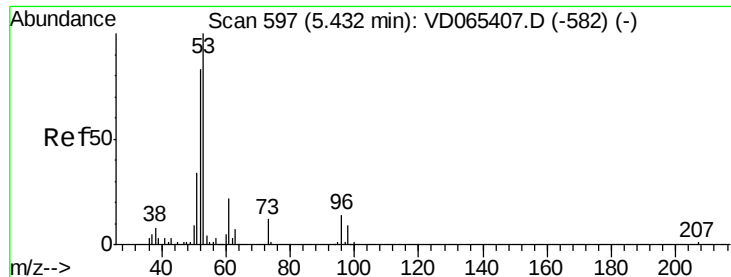


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 48.032 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

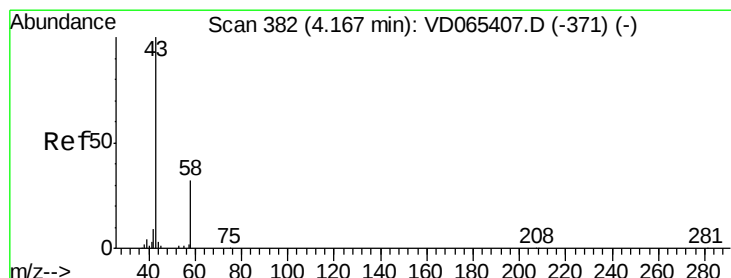
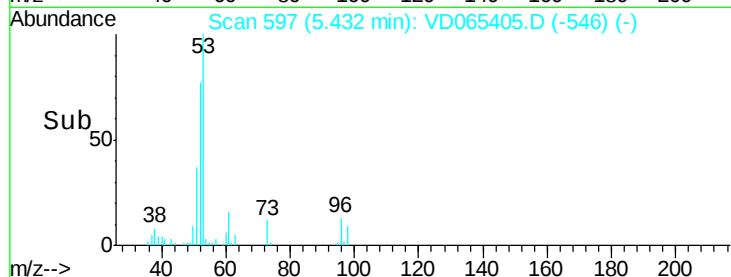
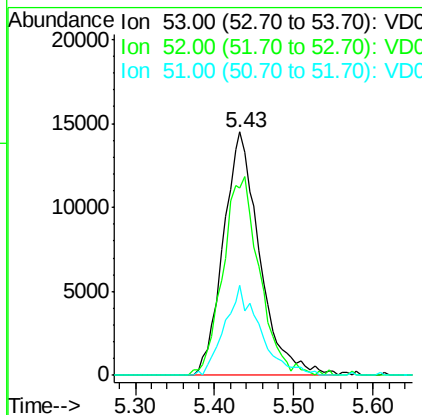
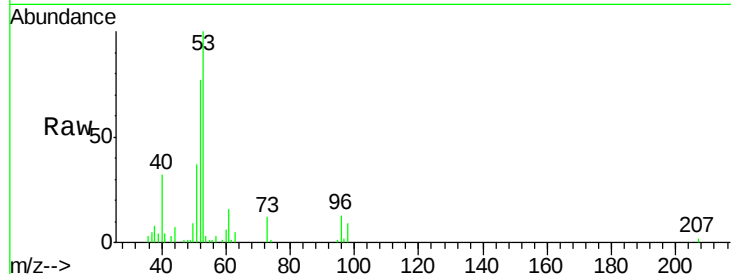
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	45983
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.1	97.7
51	36.2	28.5	42.7

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#16

Acetone

Concen: 47.340 ug/l

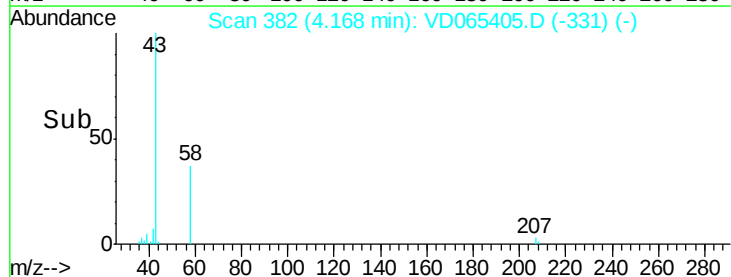
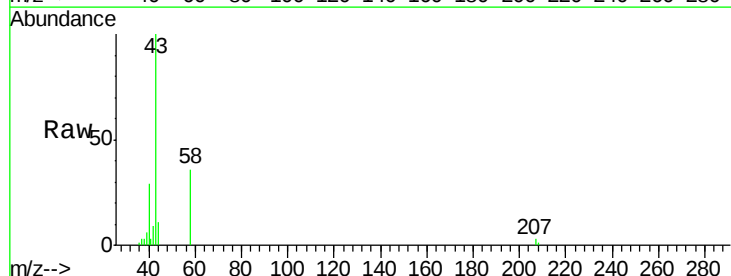
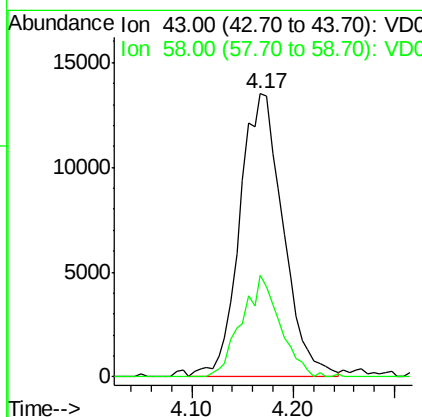
RT: 4.17 min Scan# 382

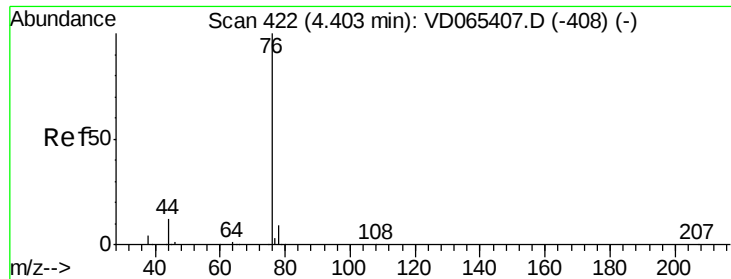
Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion:	43	Resp:	40138
Ion	Ratio	Lower	Upper
43	100		
58	34.7	25.1	37.7





#17

Carbon Disulfide

Concen: 10.471 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 157124

Ion Ratio Lower Upper

76 100

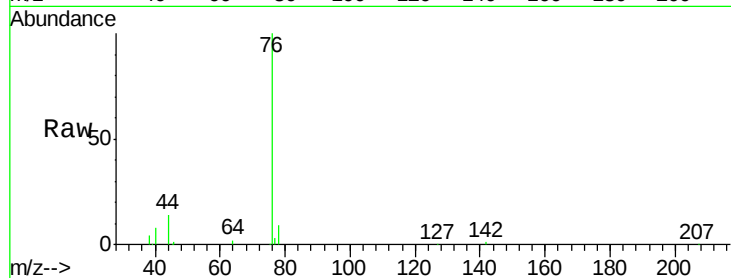
78 8.8 7.4 11.0

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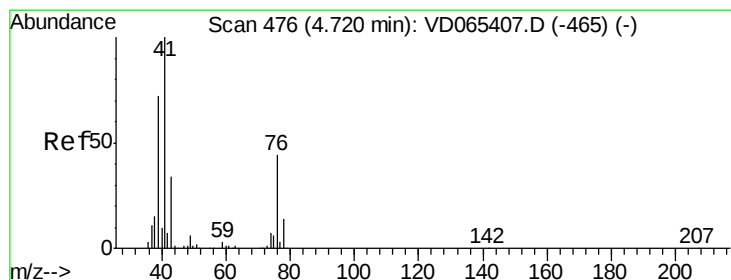
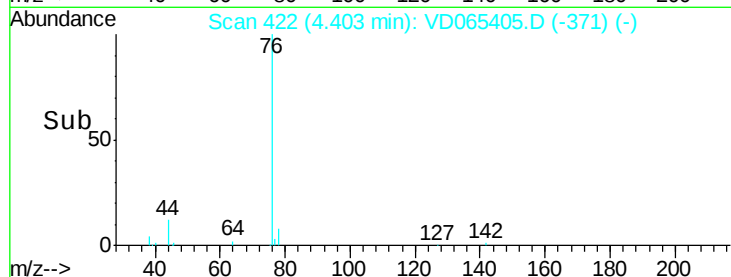
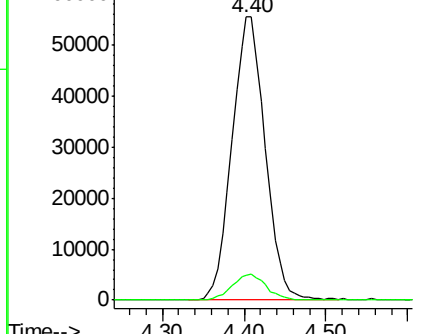
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 9.623 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065405.D

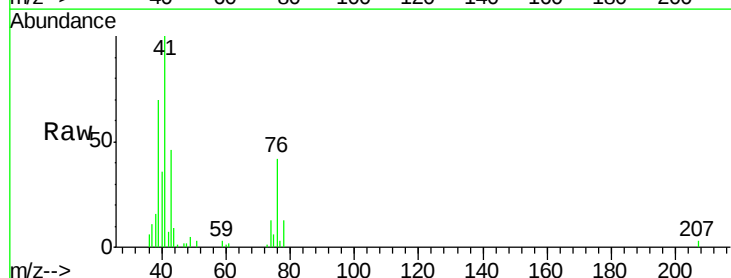
Acq: 04 Mar 2020 11:04

Tgt Ion: 43 Resp: 20859

Ion Ratio Lower Upper

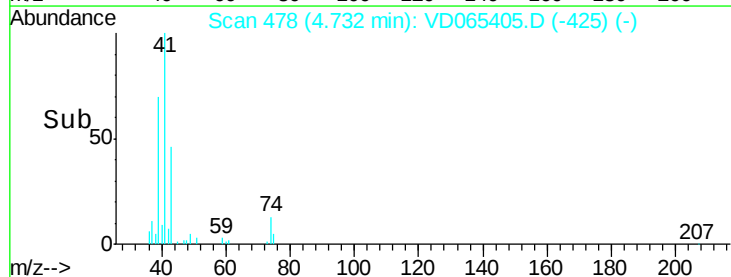
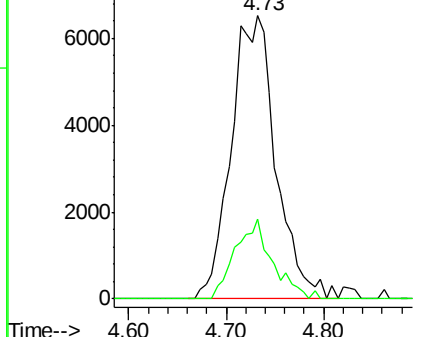
43 100

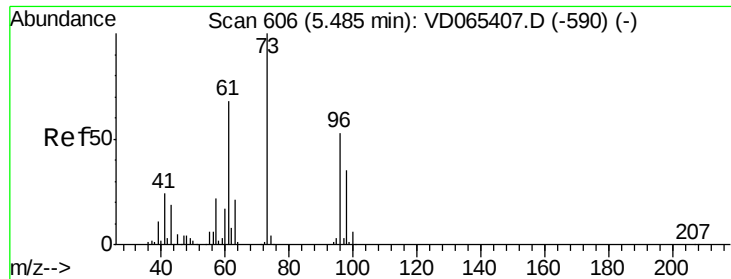
74 23.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





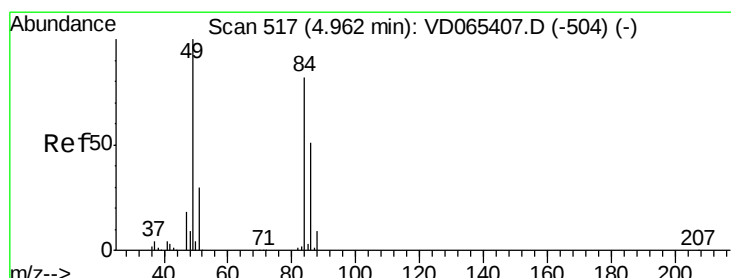
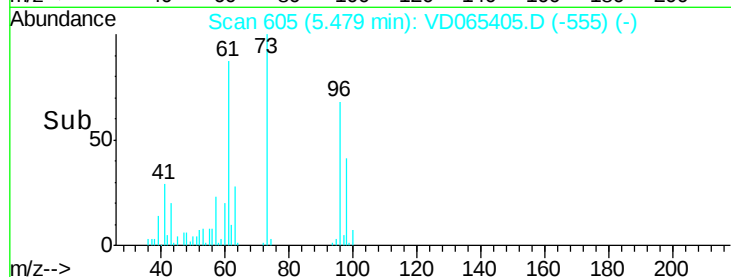
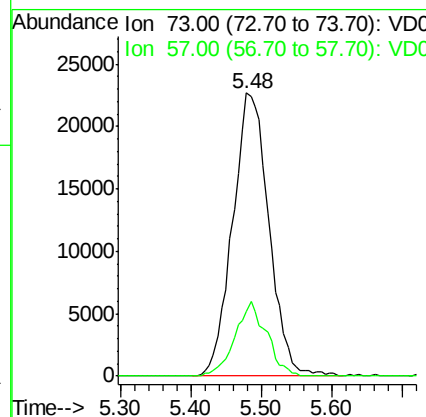
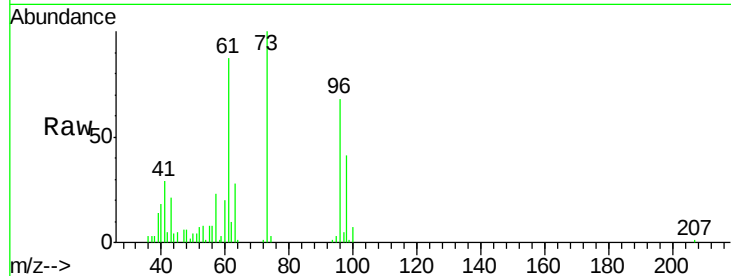
#19
Methvl tert-butvl Ether
Concen: 9.257 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.3	25.9

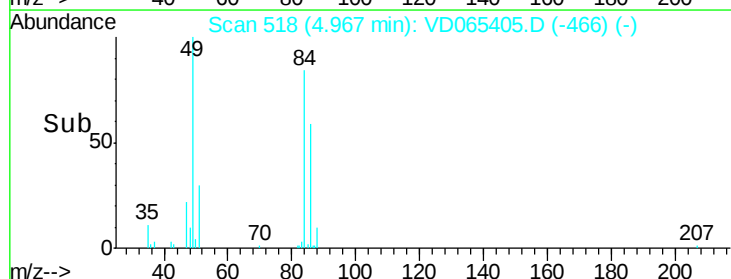
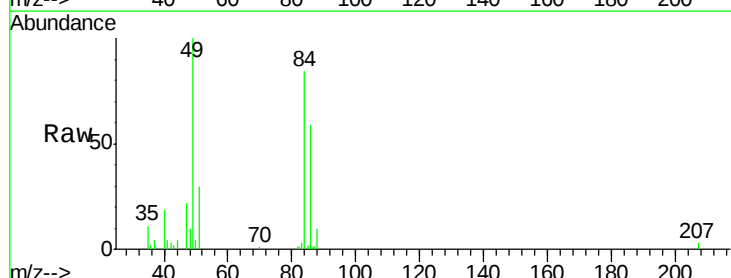
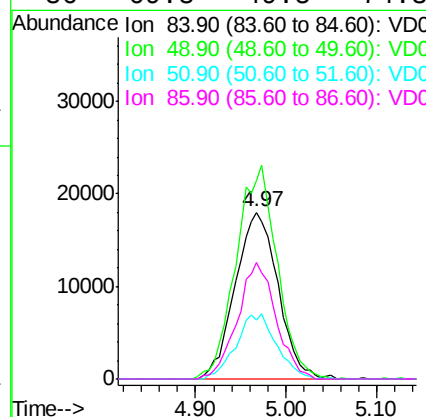
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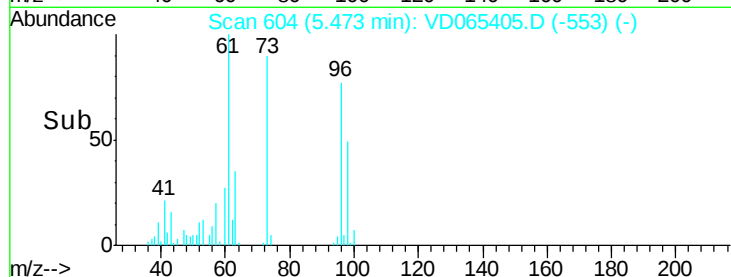
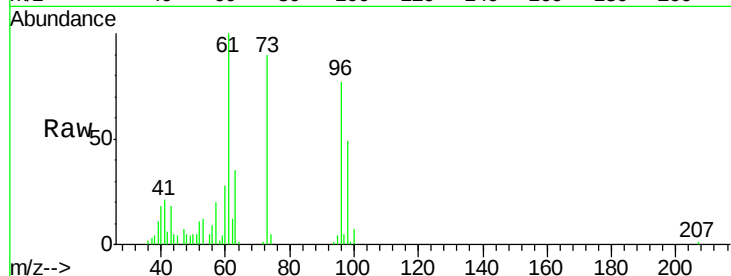
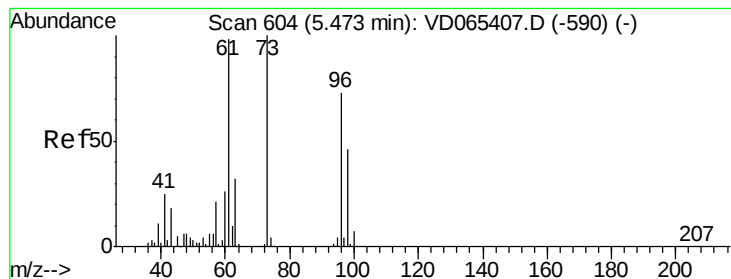
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#20
Methylene Chloride
Concen: 11.217 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	97.7	146.5
51	35.5	28.8	43.2
86	69.8	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 9.863 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tot Ion:	96	Resp:	49452
Ion	Ratio	Lower	Upper
96	100		
61	130.4	106.3	159.5
98	64.3	50.2	75.4

Instrument :

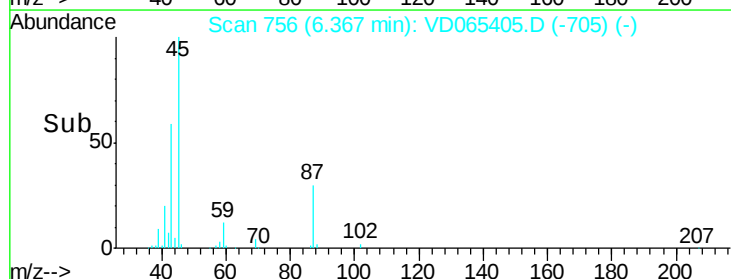
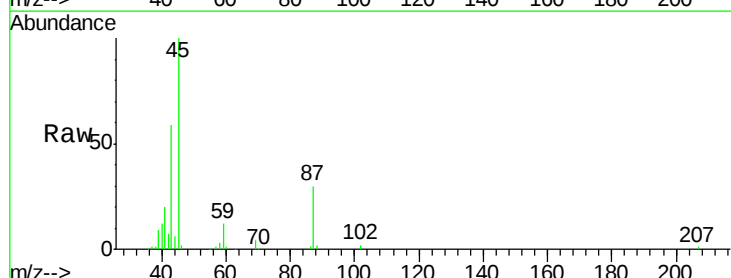
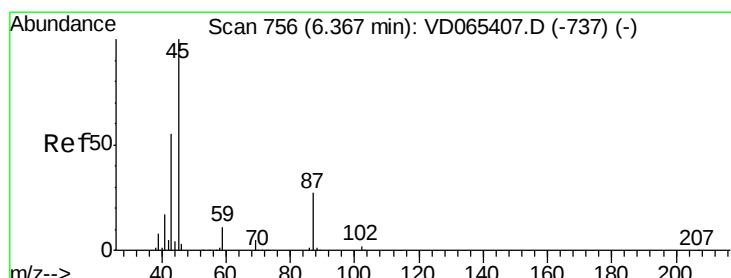
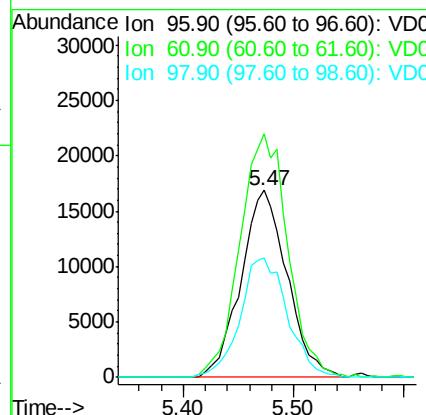
MSVOA_D

ClientSampleId :

VSTDIC010

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#22

Diisopropyl ether

Concen: 9.824 ug/l

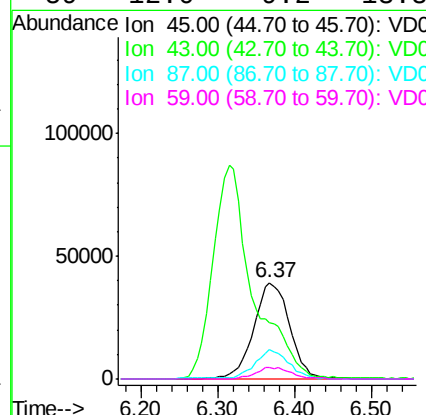
RT: 6.37 min Scan# 756

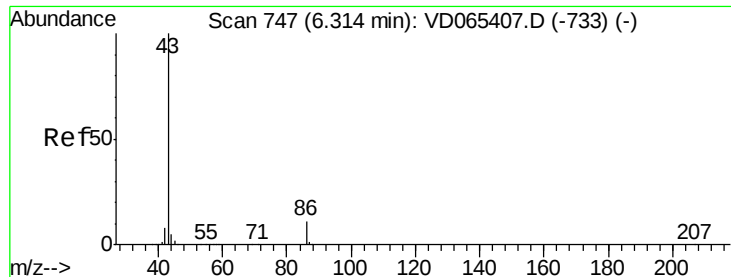
Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion:	45	Resp:	127657
Ion	Ratio	Lower	Upper
45	100		
43	57.4	44.4	66.6
87	30.3	21.9	32.9
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 43.537 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 313748

Ion Ratio Lower Upper

43 100

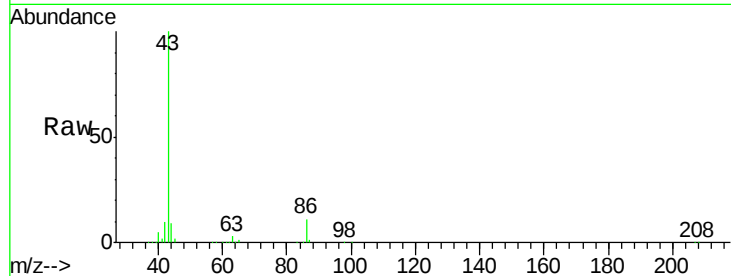
86 11.2 8.9 13.3

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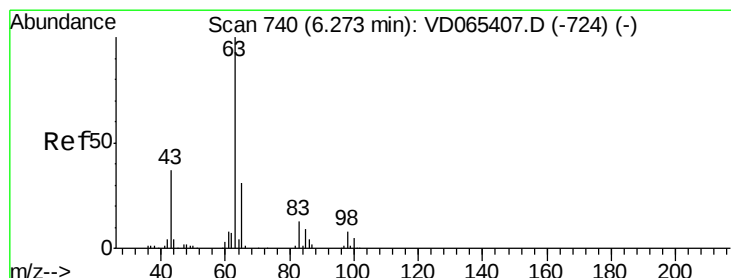
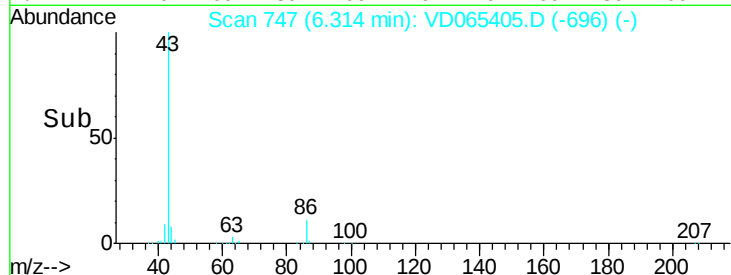
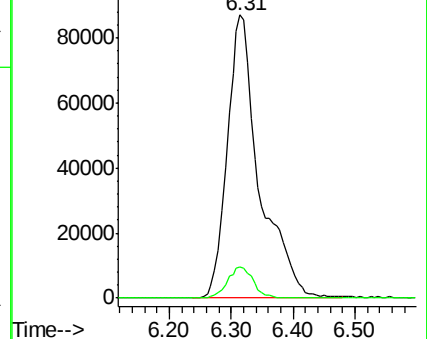
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.399 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

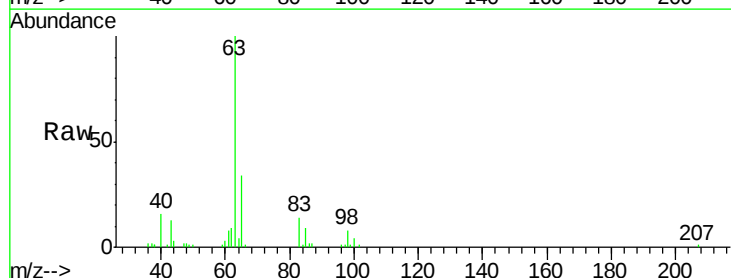
Tgt Ion: 63 Resp: 85833

Ion Ratio Lower Upper

63 100

98 8.4 4.2 12.6

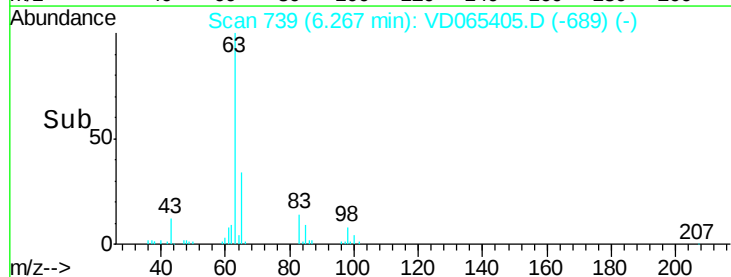
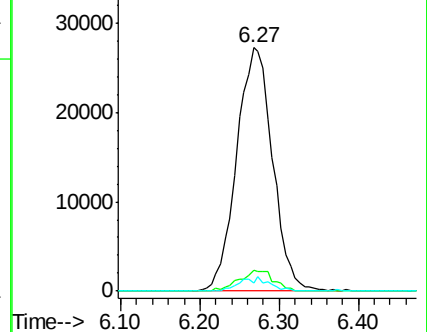
100 3.5 2.4 7.2

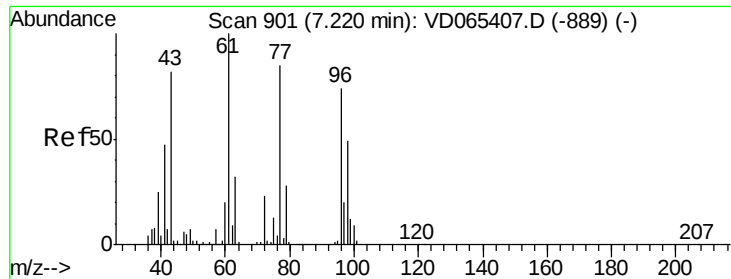


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 46.080 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 53452

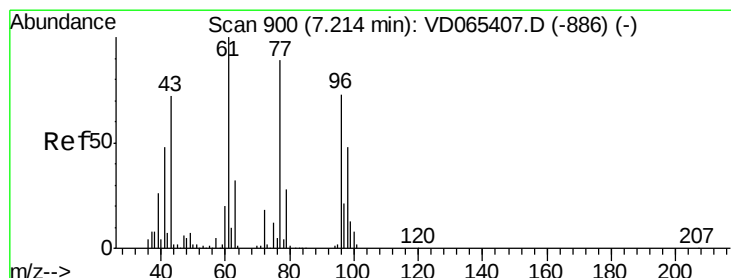
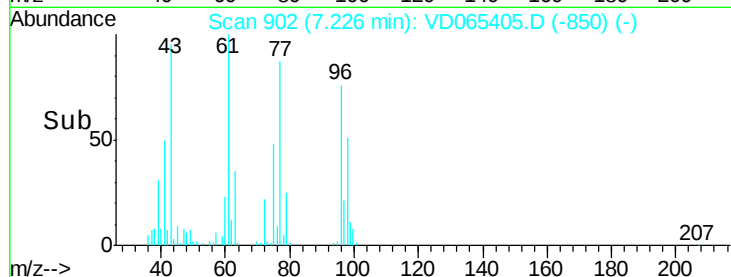
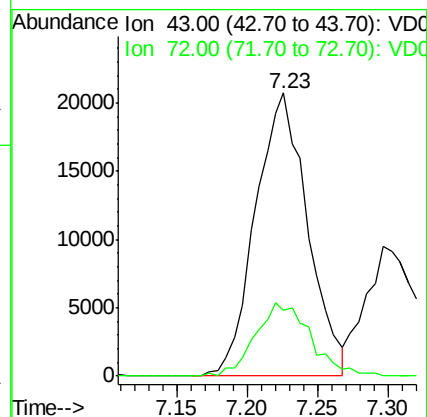
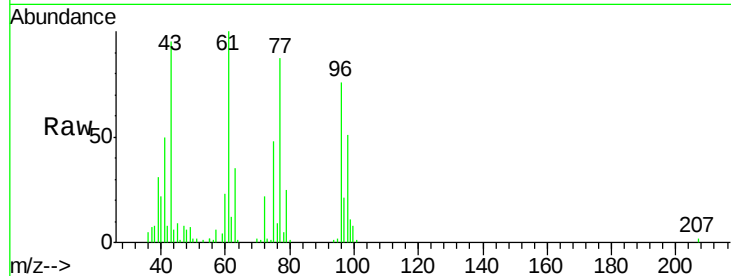
Ion Ratio Lower Upper

43 100

72 23.2 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 10.053 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065405.D

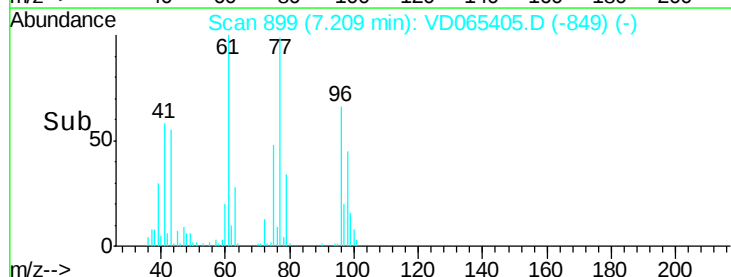
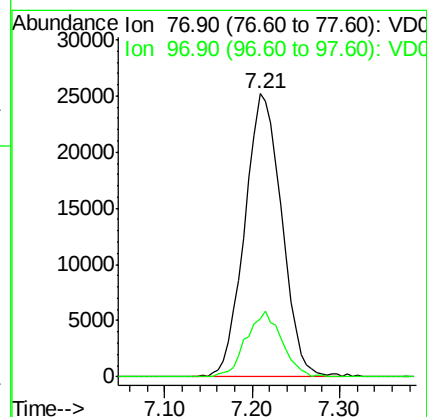
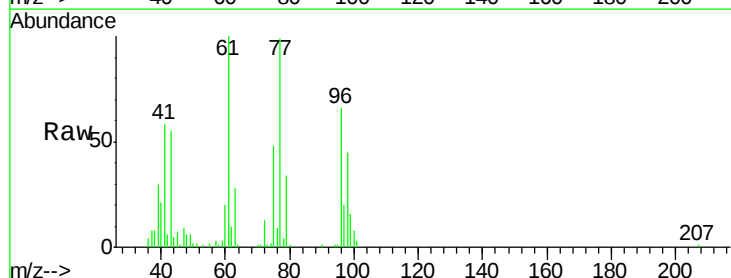
Acq: 04 Mar 2020 11:04

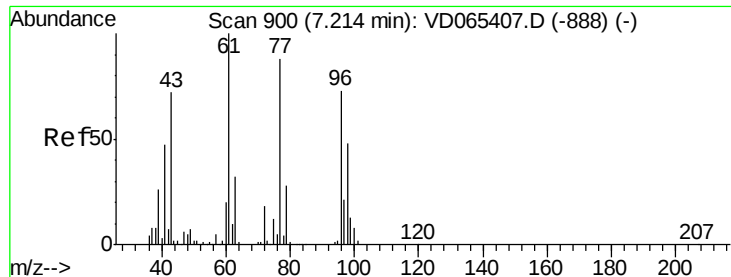
Tgt Ion: 77 Resp: 72527

Ion Ratio Lower Upper

77 100

97 22.2 11.8 35.4





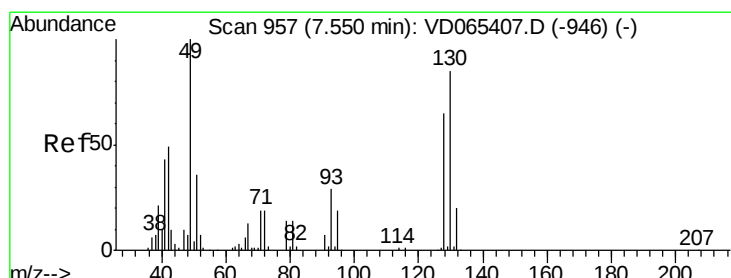
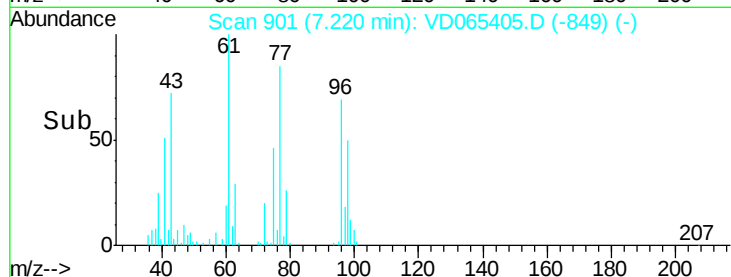
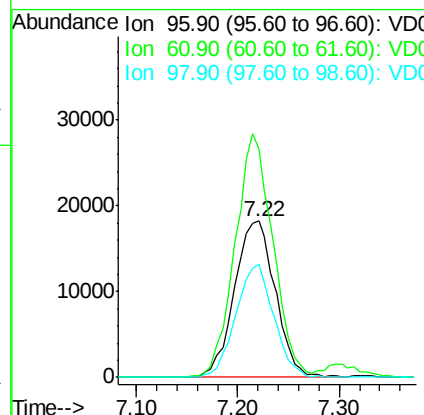
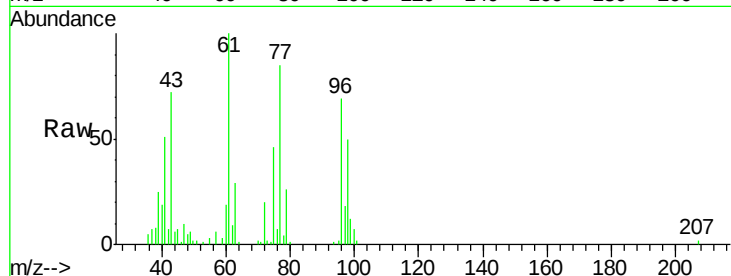
#27
 cis-1,2-Dichloroethene
 Concen: 9.874 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	280.4
98	67.1	0.0	132.6

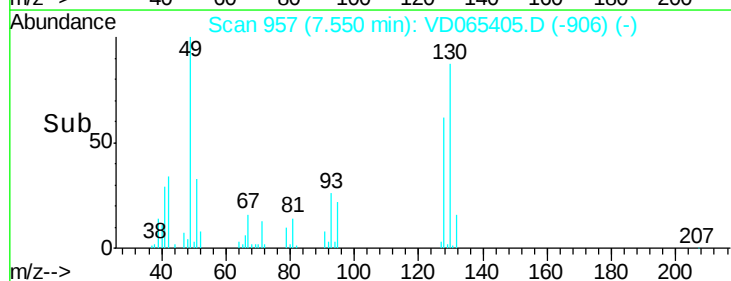
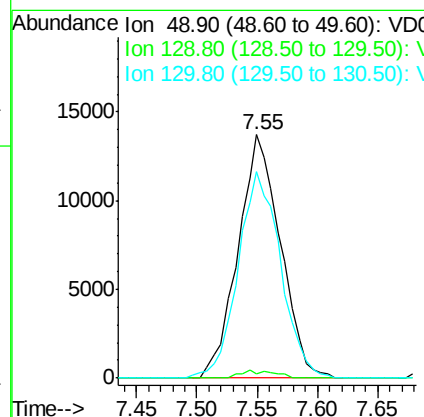
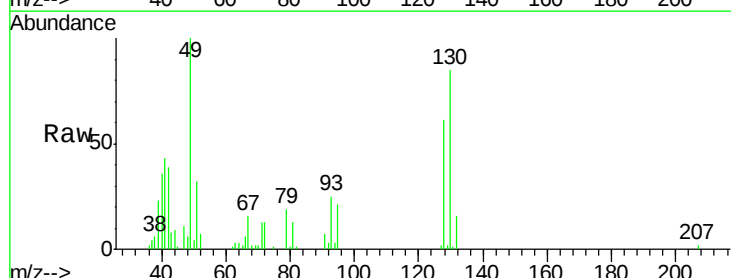
Manual Integrations
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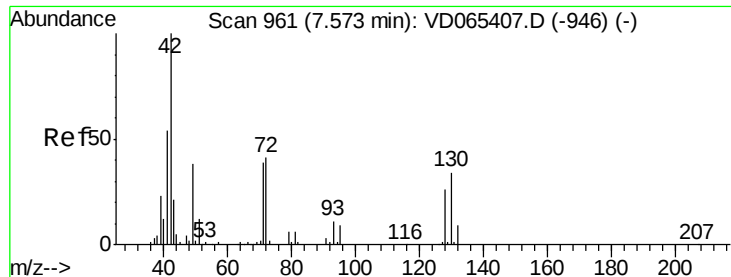
MMDadoda
 3/5/2020 1:38:25 PM



#28
 Bromochloromethane
 Concen: 9.968 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	85.3	66.6	100.0





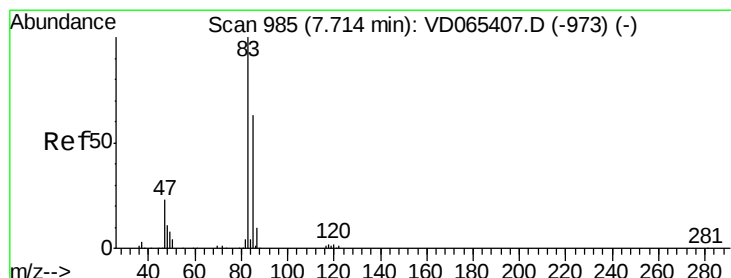
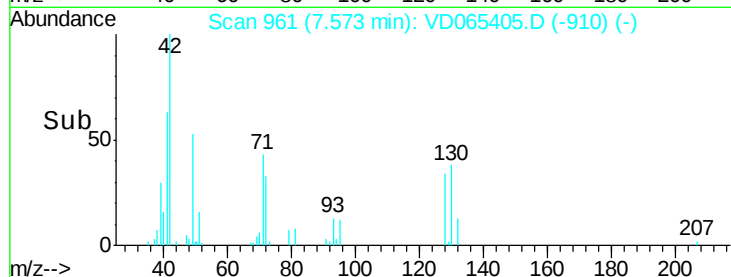
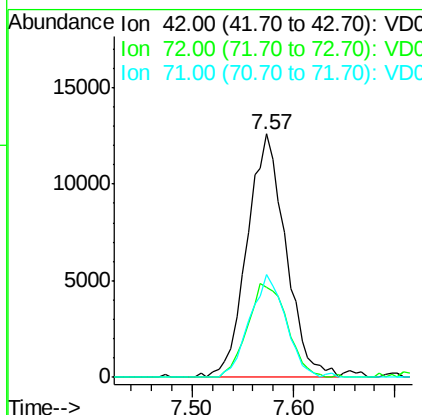
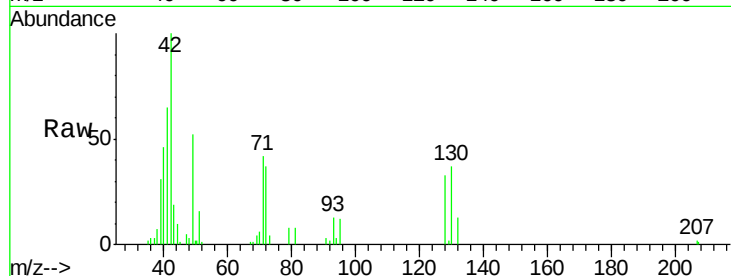
#29
Tetrahydrofuran
Concen: 44.795 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	33.0	49.6
71	38.9	32.0	48.0

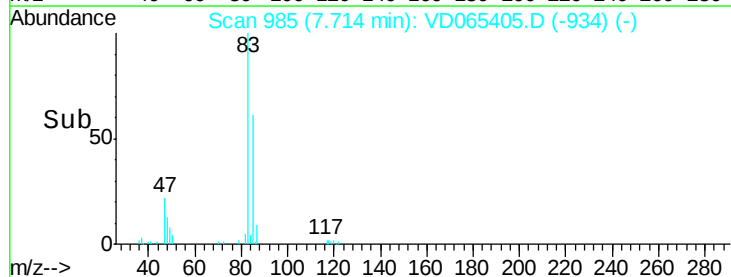
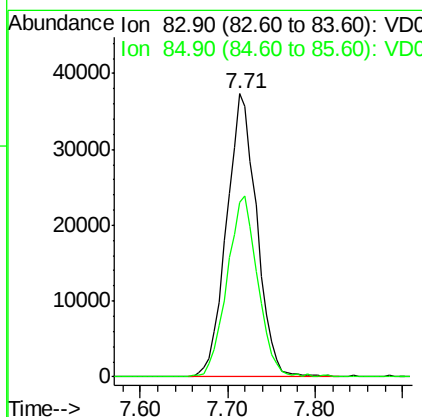
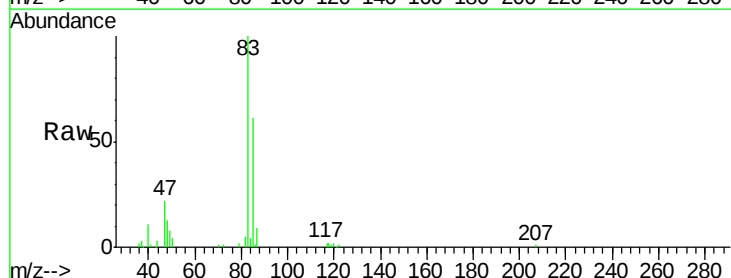
Manual Integrations
APPROVED

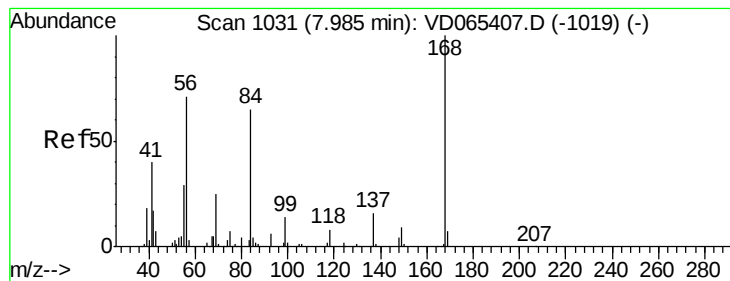
MMDadoda
3/5/2020 1:38:25 PM



#30
Chloroform
Concen: 10.557 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.3	75.5





#31

Cyclohexane

Concen: 10.120 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

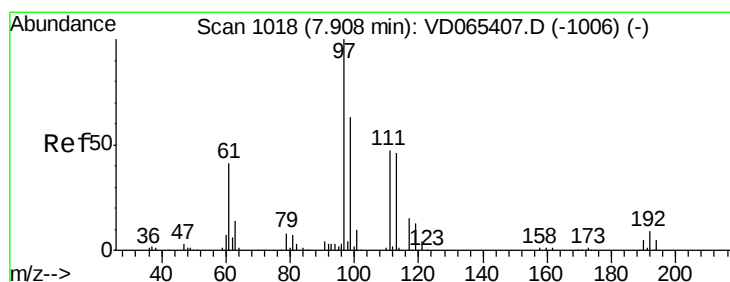
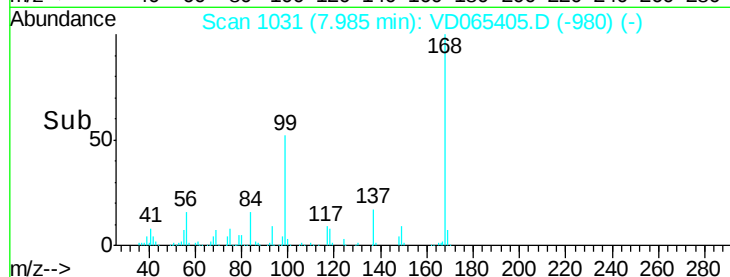
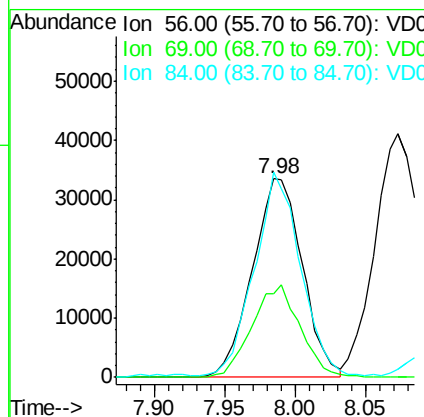
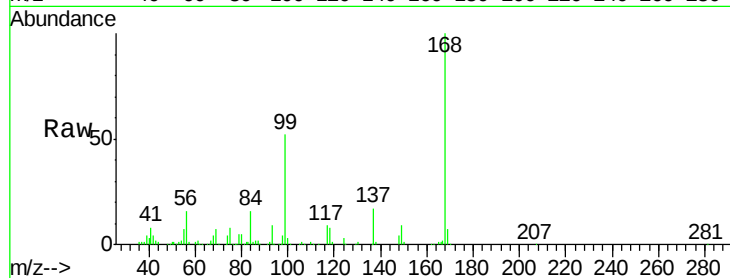
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	83122
Ion	Ratio	Lower	Upper
56	100		
69	41.9	28.3	42.5
84	102.7	73.1	109.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 10.378 ug/l

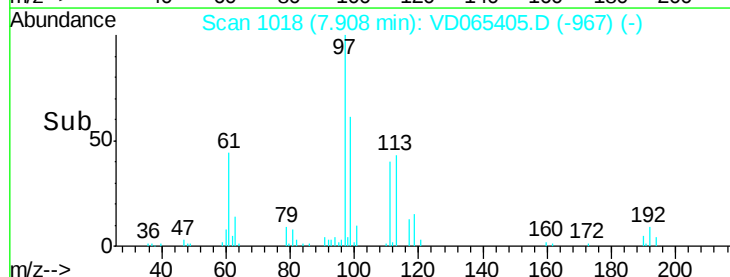
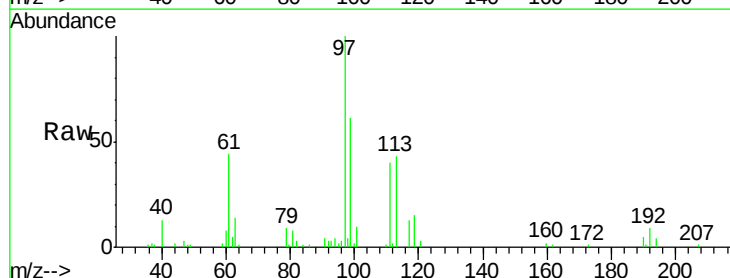
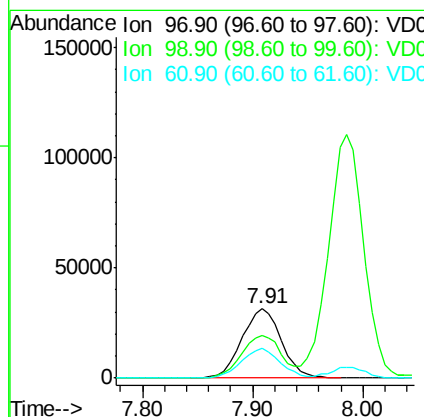
RT: 7.91 min Scan# 1018

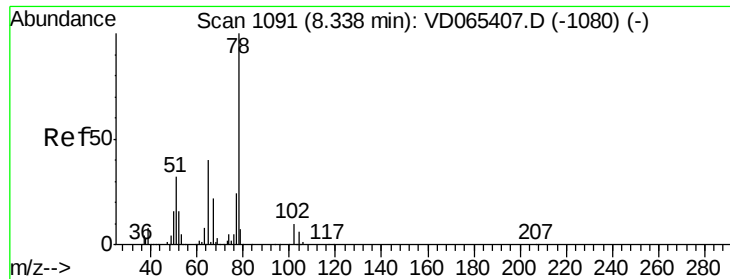
Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion:	97	Resp:	79063
Ion	Ratio	Lower	Upper
97	100		
99	61.6	50.9	76.3
61	42.6	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 10.192 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 42367

Ion Ratio Lower Upper

65 100

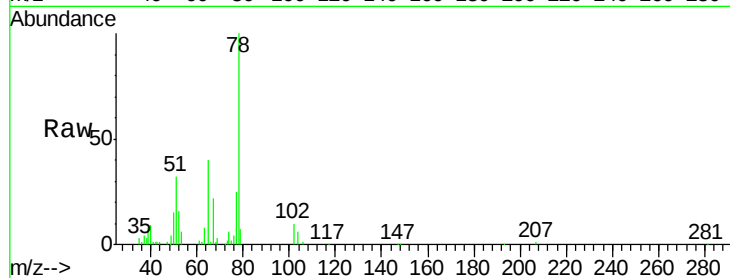
67 52.2 0.0 108.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

20000

15000

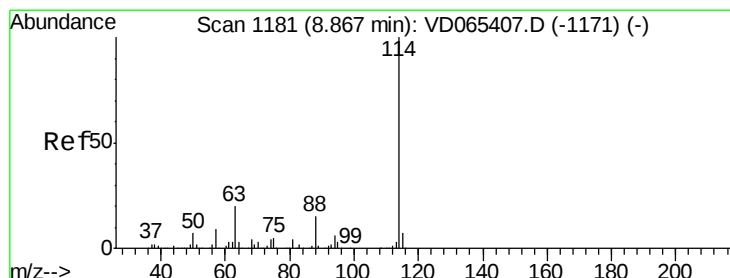
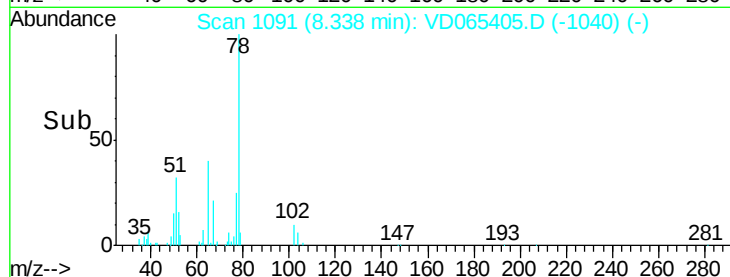
10000

5000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

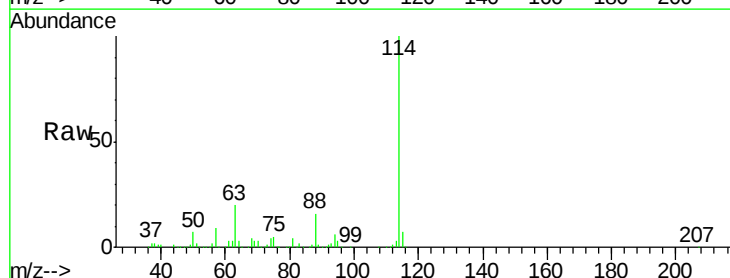
Tgt Ion: 114 Resp: 732542

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

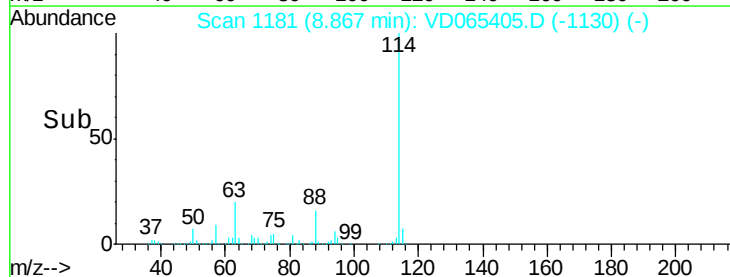
200000

100000

0

8.80 8.90 9.00

Time-->





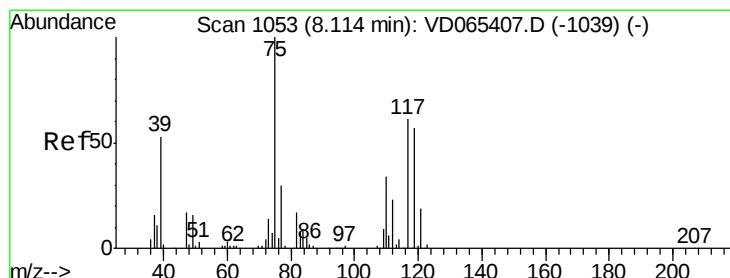
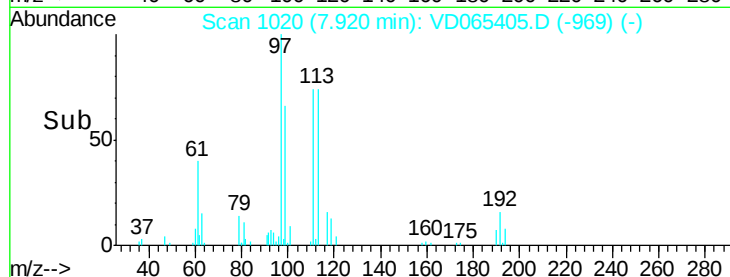
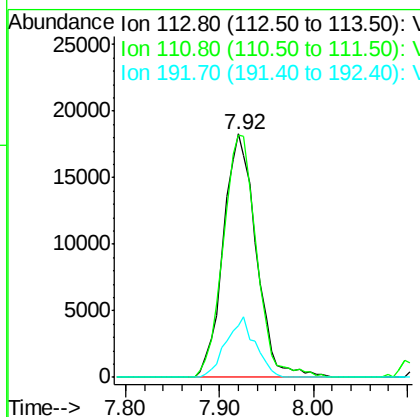
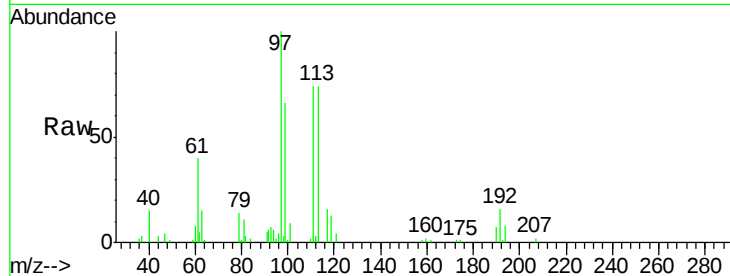
#35
 Dibromofluoromethane
 Concen: 9.821 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.1	123.1
192	22.0	17.2	25.8

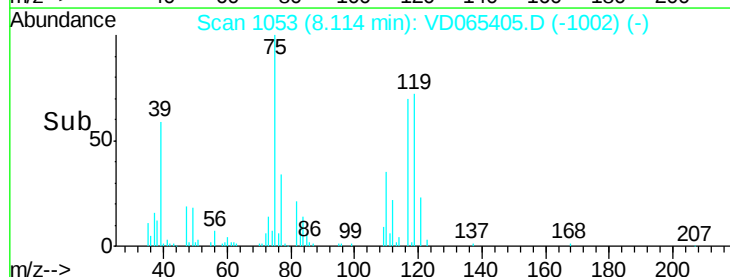
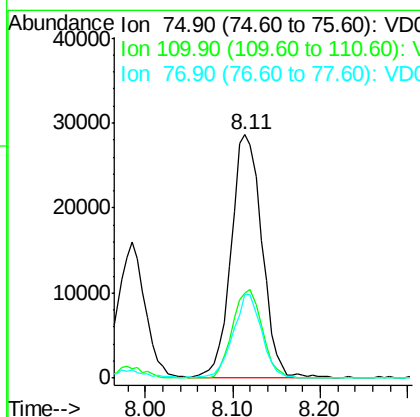
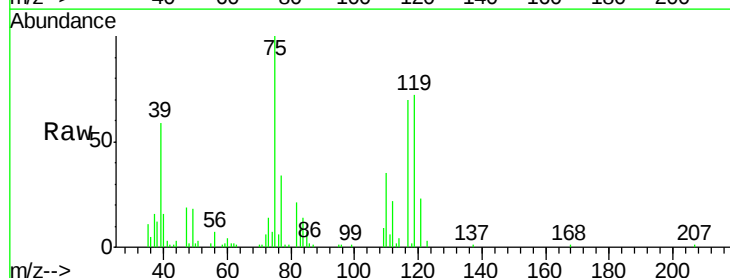
Manual Integrations
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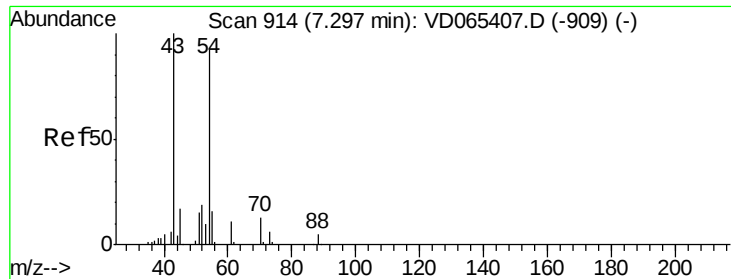
MMDadoda
 3/5/2020 1:38:25 PM



#36
 1,1-Dichloropropene
 Concen: 9.707 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	18.1	54.1
77	32.1	25.2	37.8





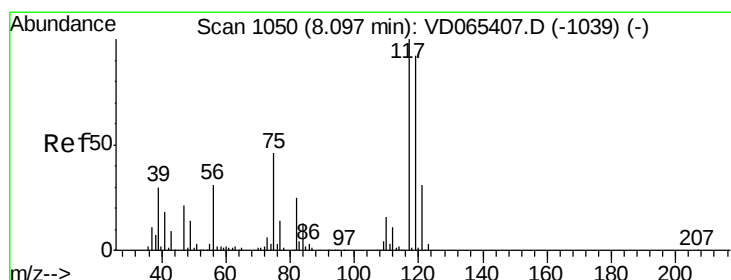
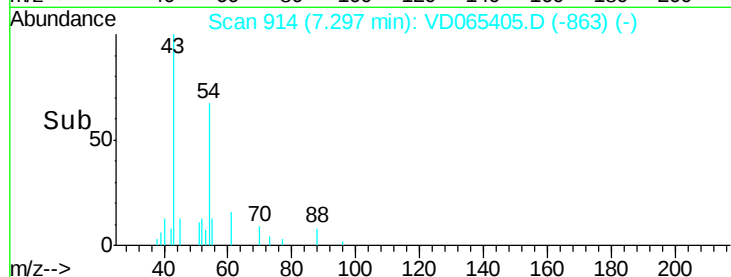
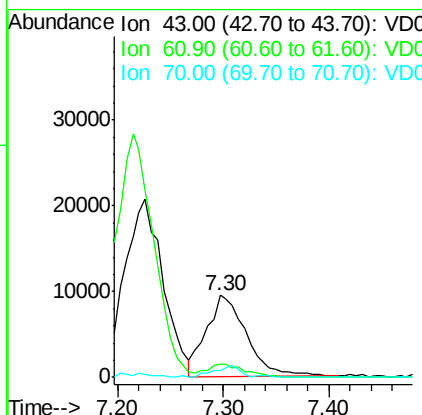
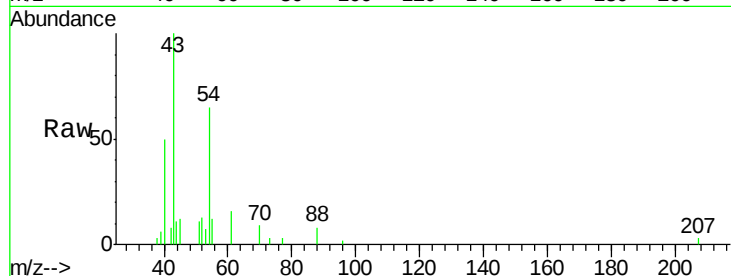
#37
Ethyl Acetate
Concen: 8.913 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.4	17.0
70	9.2	9.0	13.4

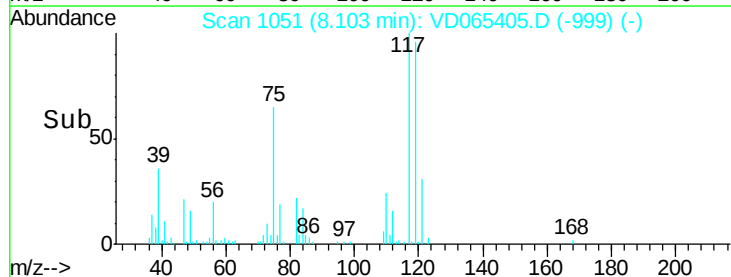
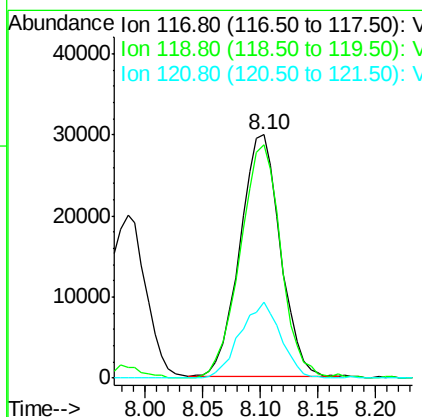
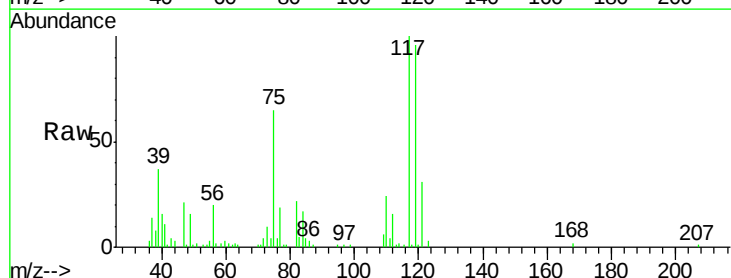
Manual Integrations
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3/5/2020 1:38:25 PM



#38
Carbon Tetrachloride
Concen: 9.978 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	73.3	109.9
121	31.6	25.0	37.4





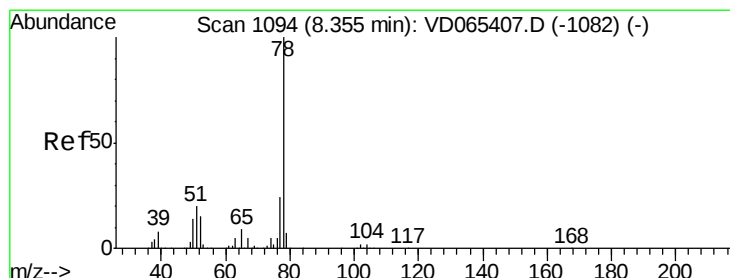
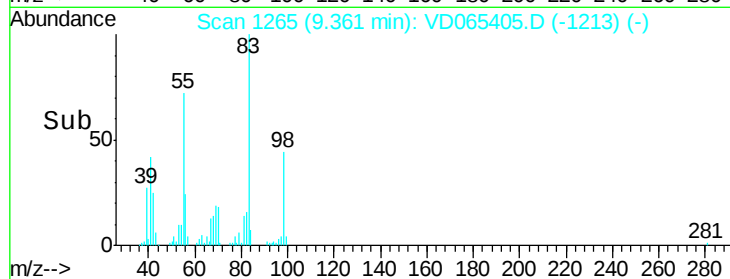
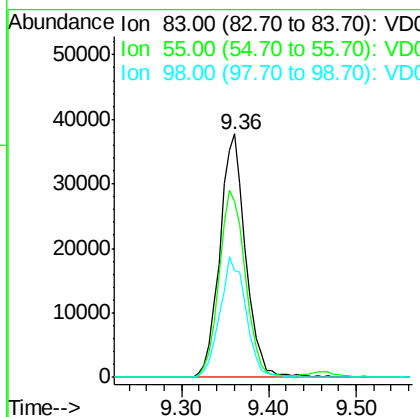
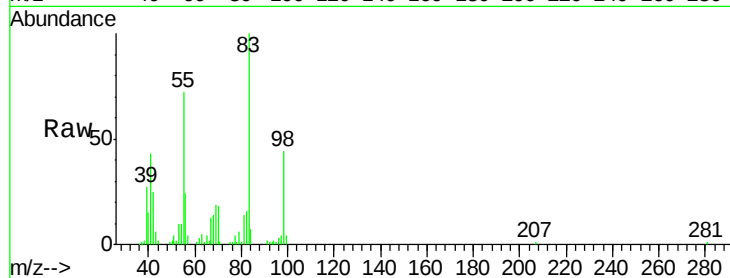
#39
Methvlcvclohexane
Concen: 9.103 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	57.1	85.7
98	43.6	37.8	56.8

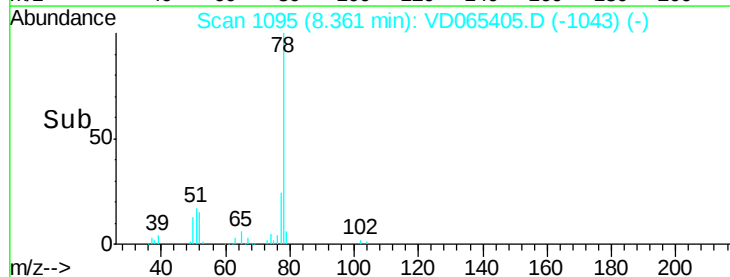
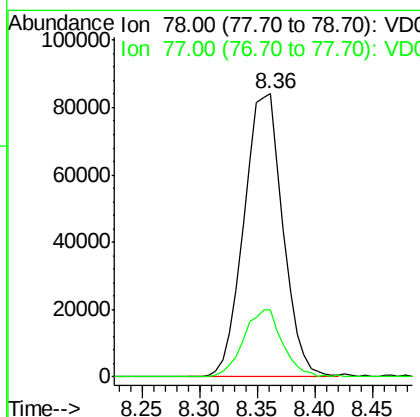
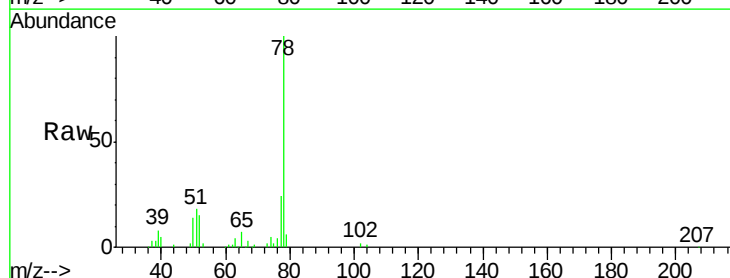
Manual Integrations
APPROVED

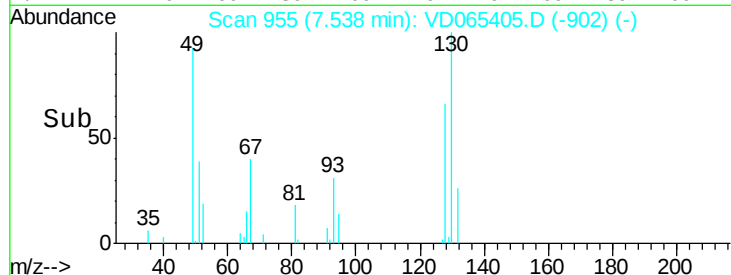
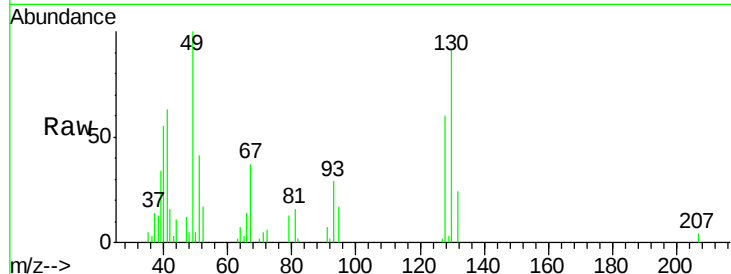
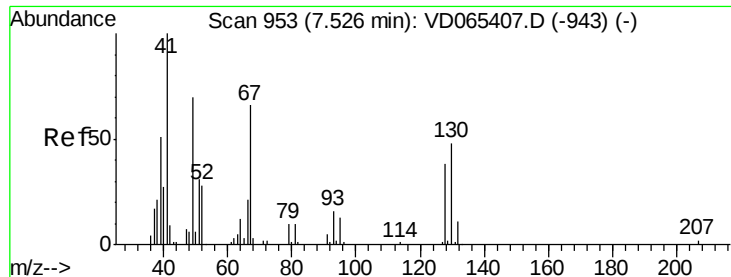
MMDadoda
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#40
Benzene
Concen: 10.054 ug/l
RT: 8.36 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

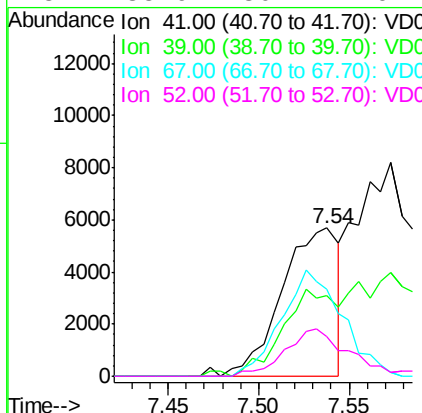
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





#41
Methacrylonitrile
Concen: 8.938 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

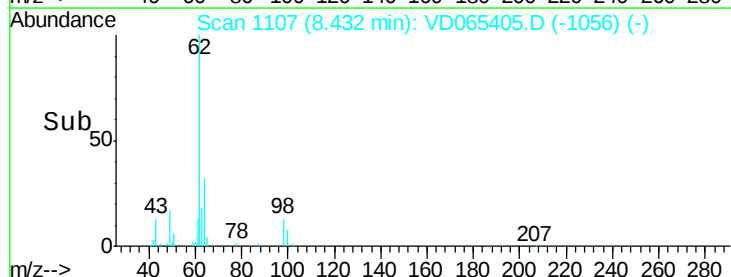
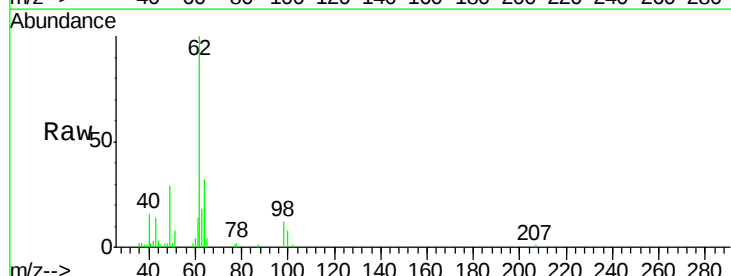
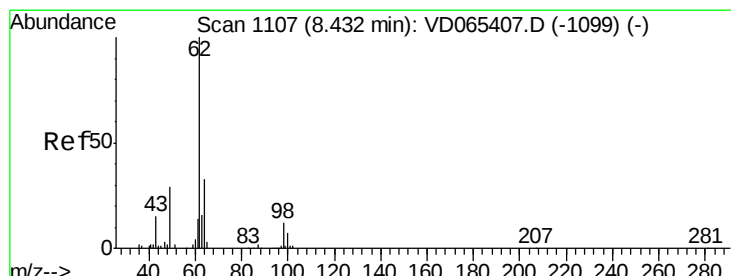
Tot Ion	41	Resp	12525
Ion Ratio	Lower	Upper	
41	100		
39	55.6	55.0	82.6
67	76.2	70.3	105.5
52	35.9	30.7	46.1



Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

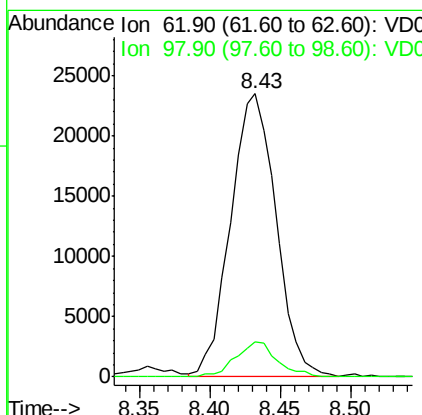
Manual Integrations
APPROVED

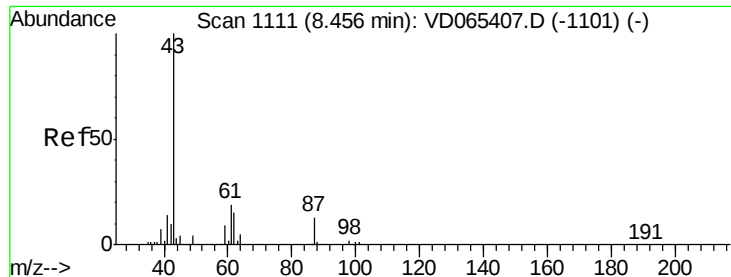
MMDadoda
3/5/2020 1:38:25 PM



#42
1,2-Dichloroethane
Concen: 10.192 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	62	Resp	52965
Ion Ratio	Lower	Upper	
62	100		
98	11.2	0.0	21.4





#43

Isopropyl Acetate

Concen: 8.983 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

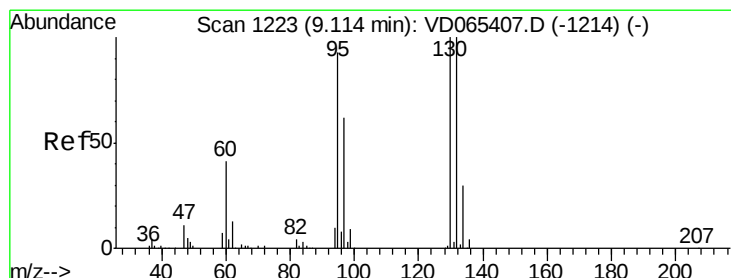
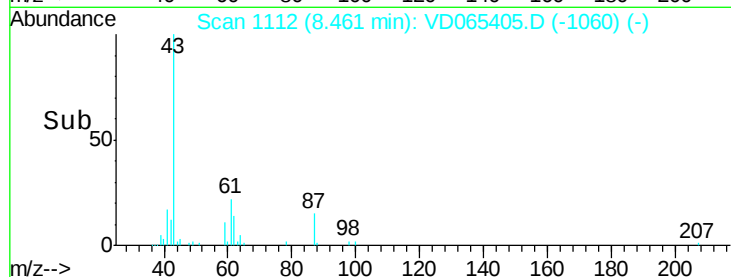
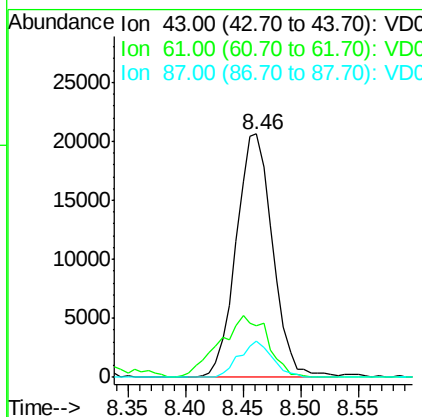
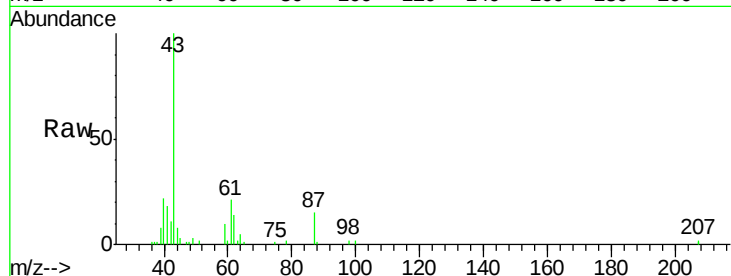
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	45332
Ion	Ratio	Lower	Upper
43	100		
61	33.7	25.0	37.6
87	13.5	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 9.927 ug/l

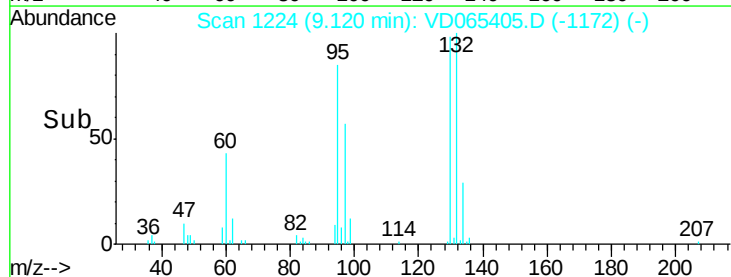
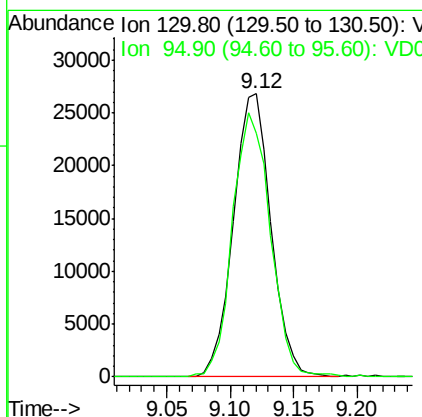
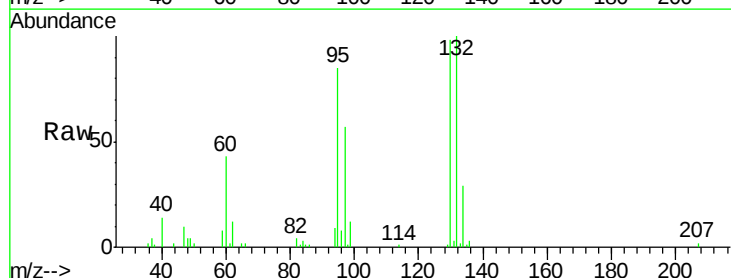
RT: 9.12 min Scan# 1224

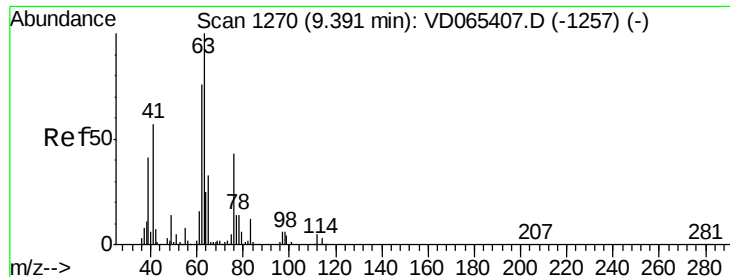
Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion:	130	Resp:	55038
Ion	Ratio	Lower	Upper
130	100		
95	86.0	0.0	186.0





#45

1,2-Dichloropropane

Concen: 10.044 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 48175

Ion Ratio Lower Upper

63 100

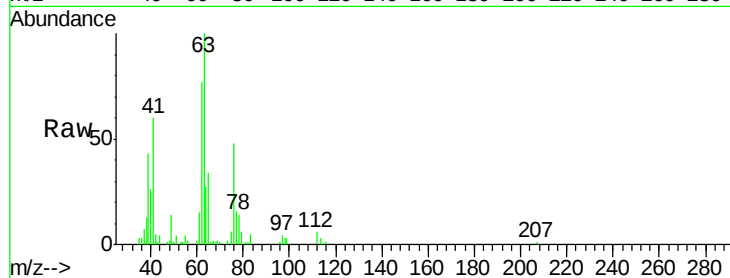
65 33.8 26.4 39.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.40

20000

15000

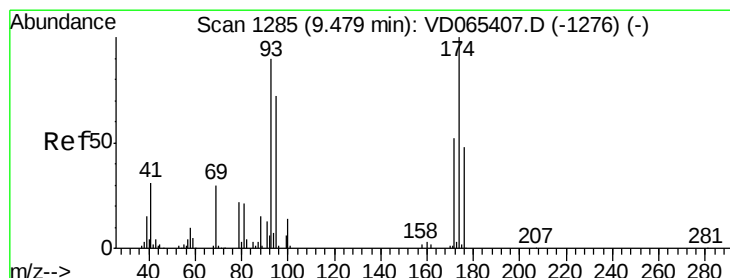
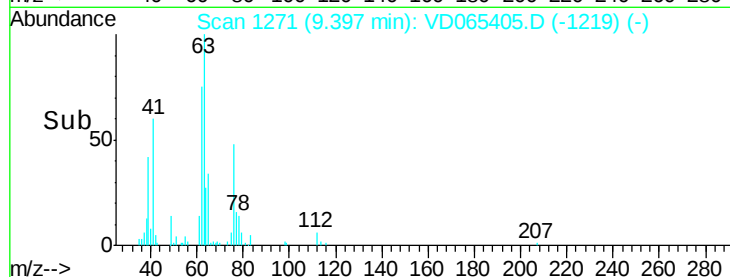
10000

5000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 9.907 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

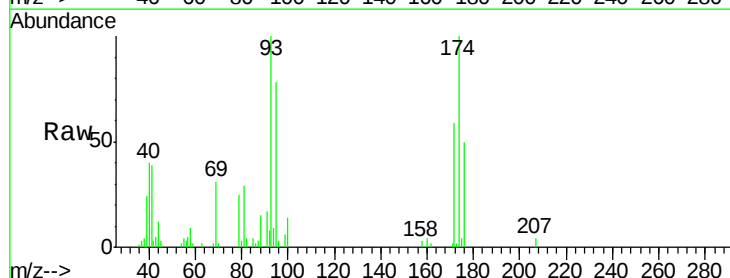
Tgt Ion: 93 Resp: 24706

Ion Ratio Lower Upper

93 100

95 83.5 65.0 97.6

174 112.6 88.3 132.5



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): VDC

9.48

15000

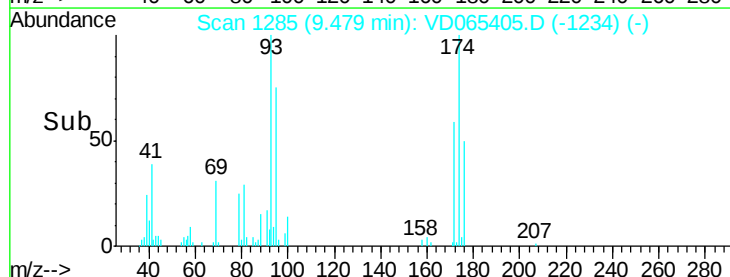
10000

5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 10.240 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

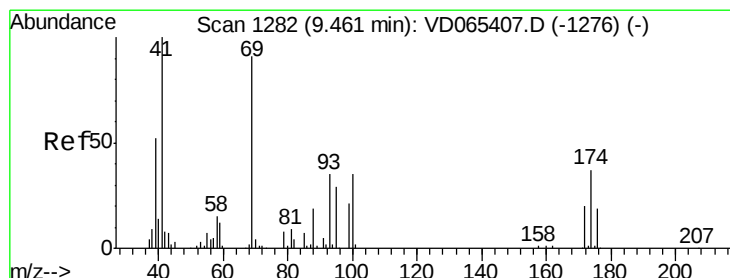
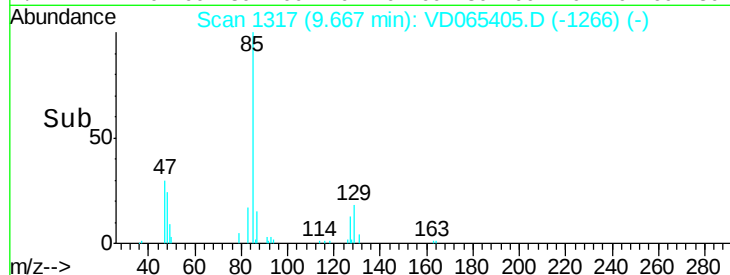
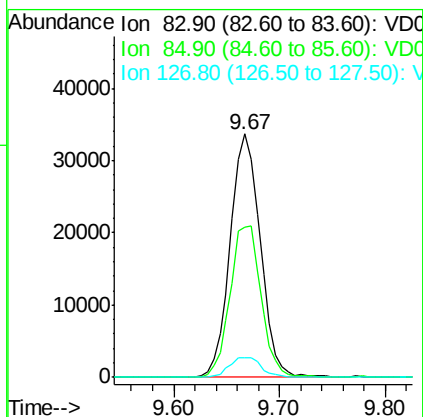
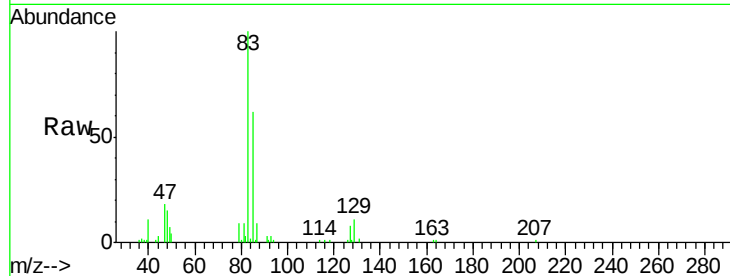
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	66300
Ion	Ratio	Lower	Upper
83	100		
85	61.7	52.8	79.2
127	8.0	8.0	12.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 8.698 ug/l

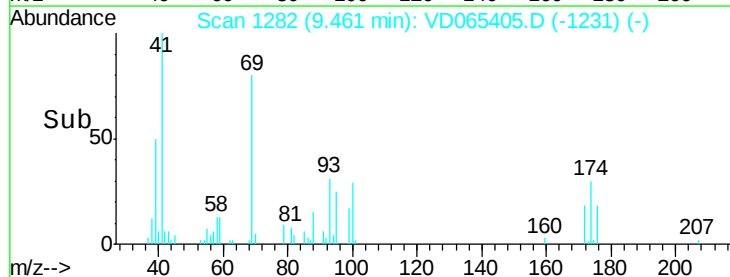
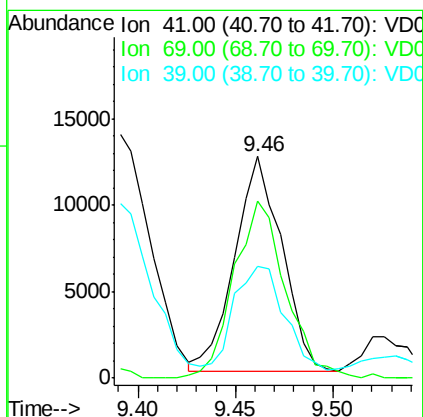
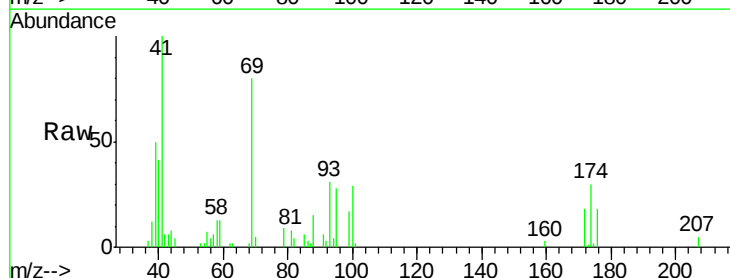
RT: 9.46 min Scan# 1282

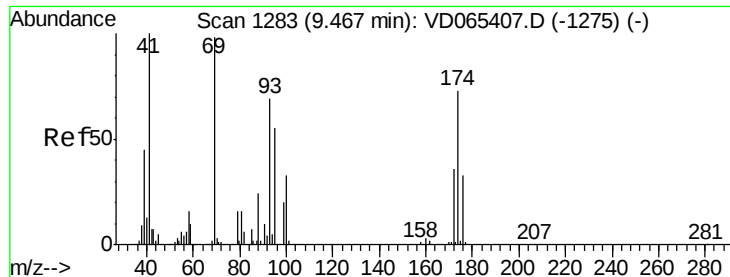
Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion:	41	Resp:	20762
Ion	Ratio	Lower	Upper
41	100		
69	90.6	72.5	108.7
39	51.8	41.6	62.4





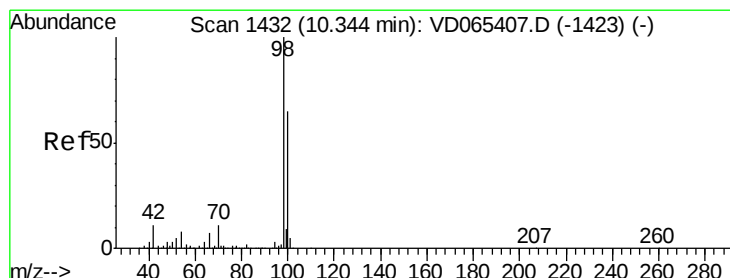
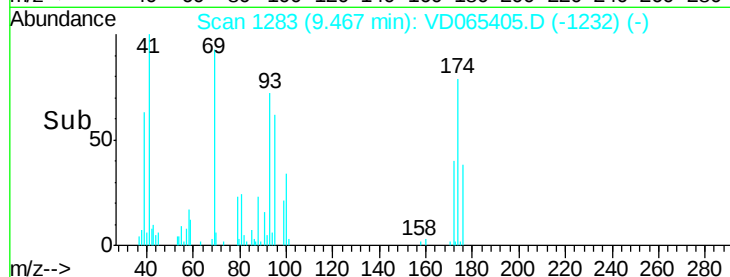
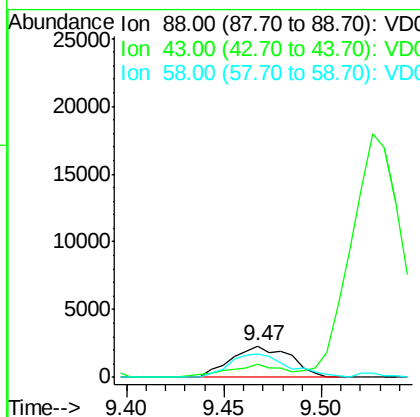
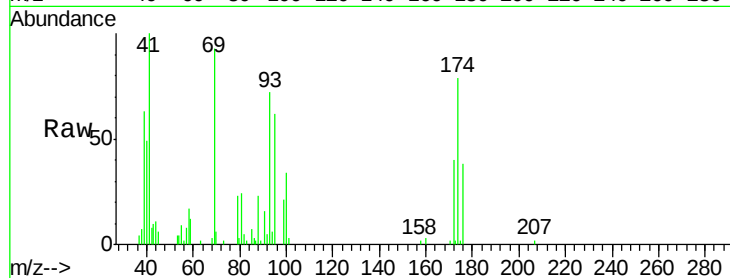
#49
1,4-Dioxane
Concen: 169.271 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	4859
Ion	Ratio	Lower	Upper
88	100		
43	39.7	24.5	36.7#
58	75.3	54.5	81.7

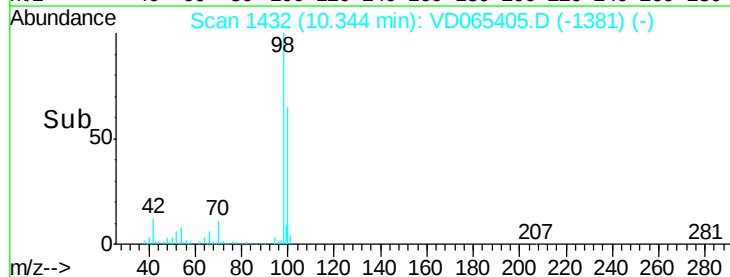
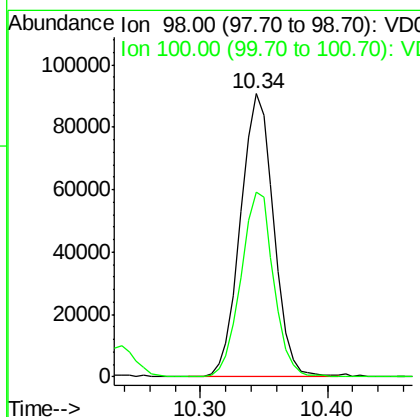
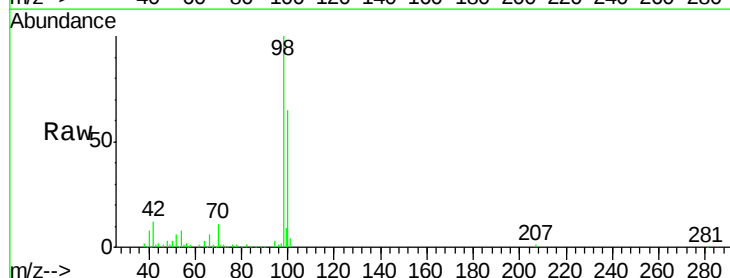
Manual Integrations
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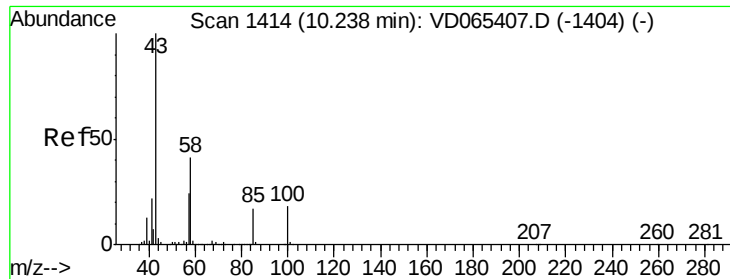
MMDadoda
3/5/2020 1:38:25 PM



#50
Toluene-d8
Concen: 9.455 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	98	Resp	164911
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.8	79.2





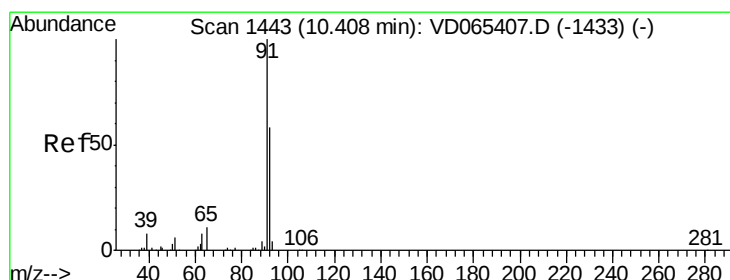
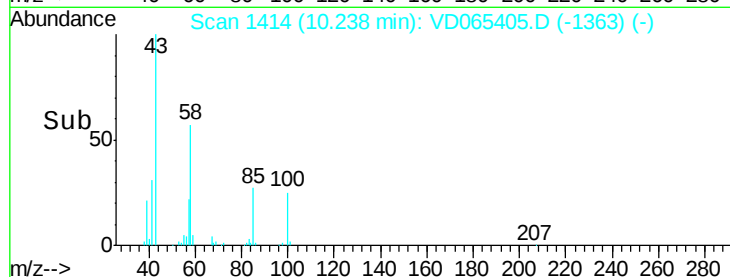
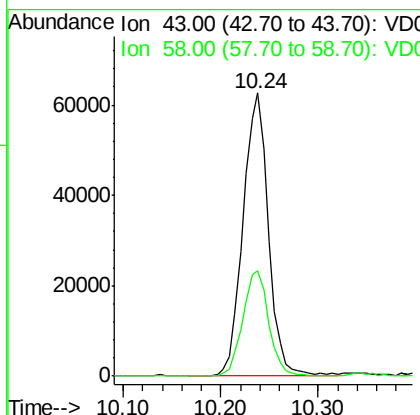
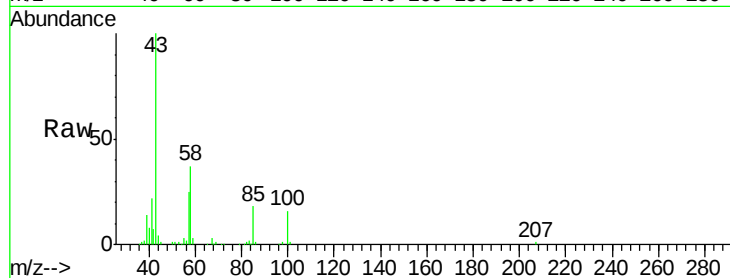
#51
4-Methyl-2-Pentanone
Concen: 44.764 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 114240
Ion Ratio Lower Upper
43 100
58 37.8 31.8 47.6

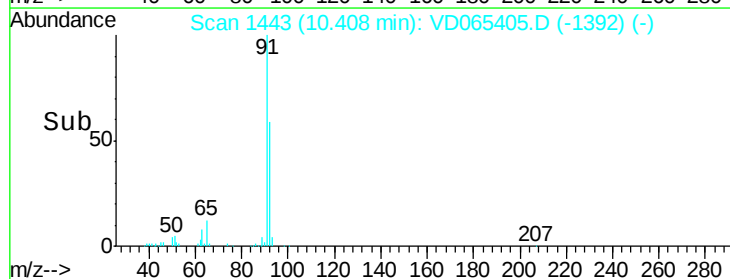
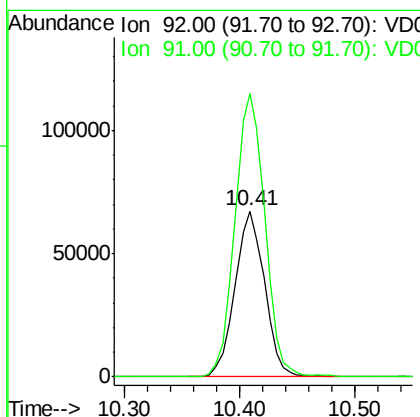
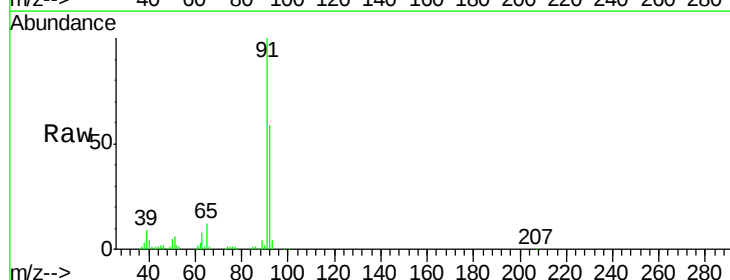
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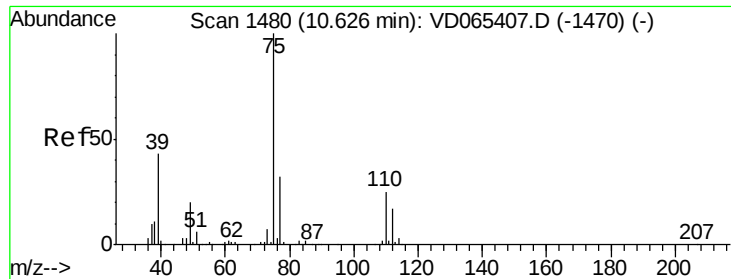
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3/5/2020 1:38:25 PM



#52
Toluene
Concen: 9.645 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion: 92 Resp: 120133
Ion Ratio Lower Upper
92 100
91 172.5 137.8 206.8





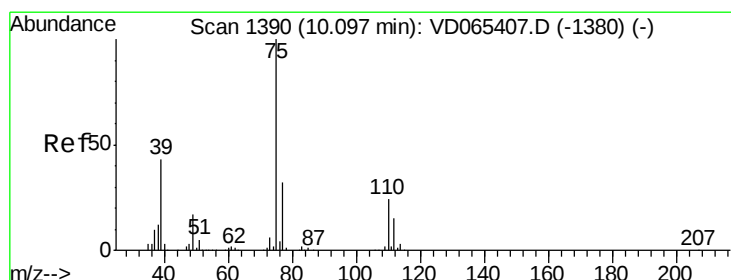
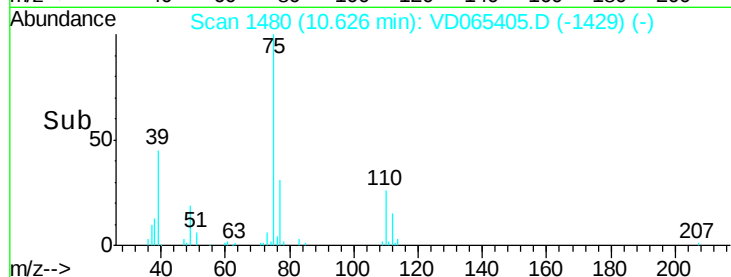
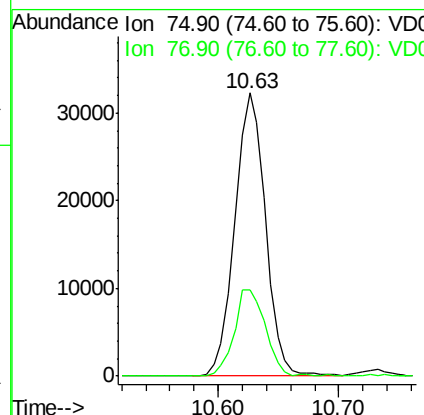
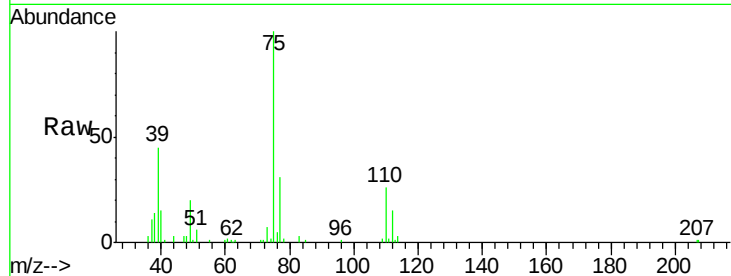
#53
t-1,3-Dichloropropene
Concen: 9.387 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.2

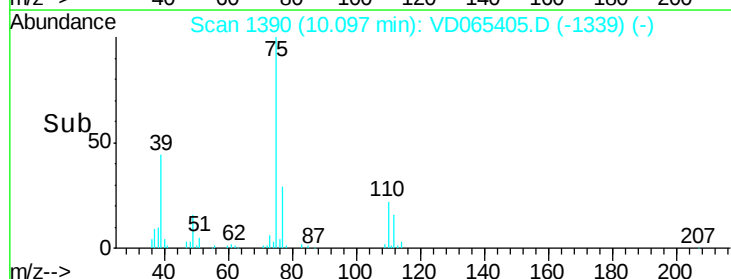
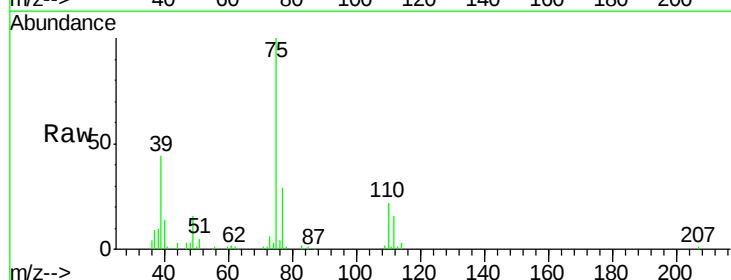
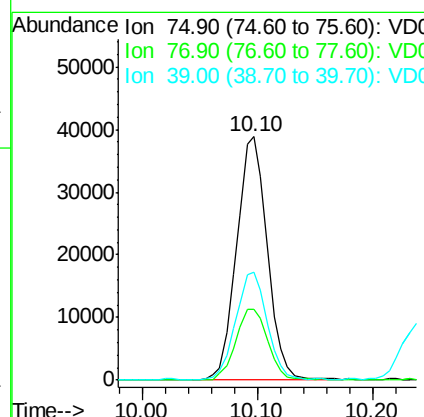
Manual Integrations
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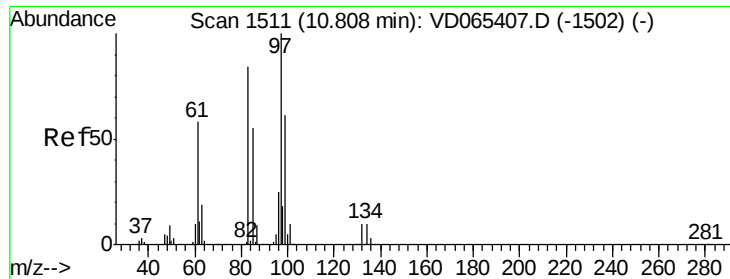
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3/5/2020 1:38:25 PM



#54
cis-1,3-Dichloropropene
Concen: 9.744 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.9	25.3	37.9
39	44.3	34.6	52.0





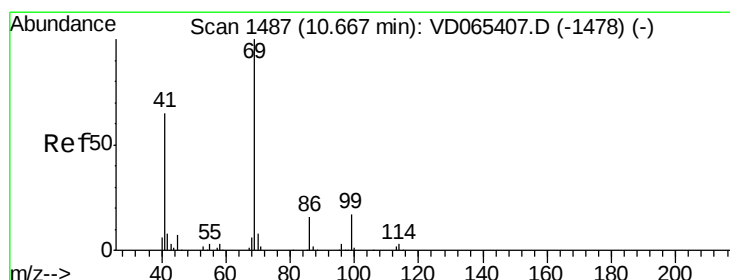
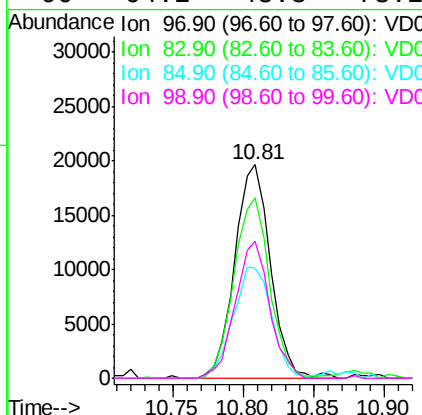
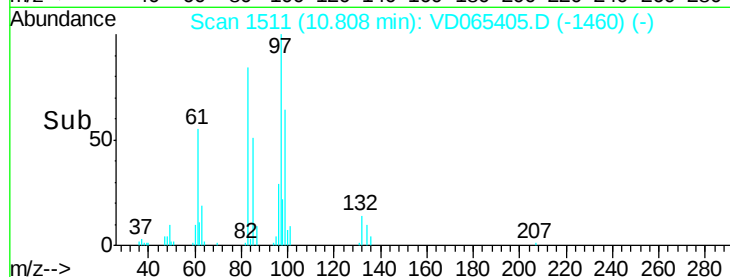
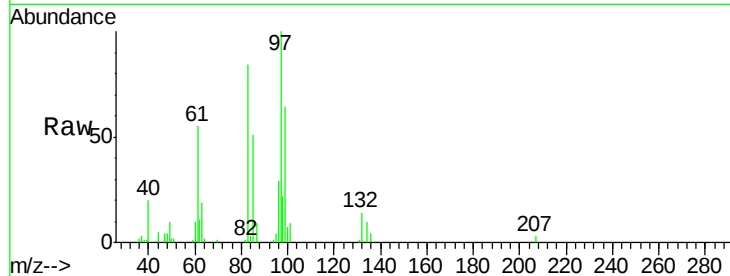
#55
 1,1,2-Trichloroethane
 Concen: 9.901 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	34920
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.4	101.0
85	51.4	43.8	65.8
99	64.2	48.8	73.2

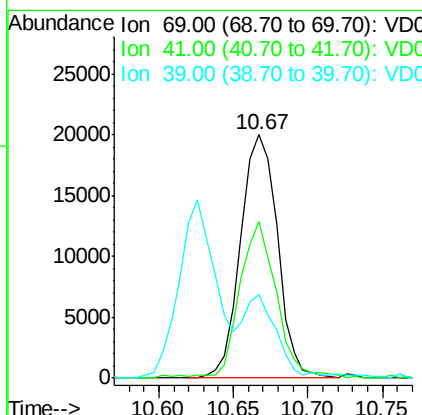
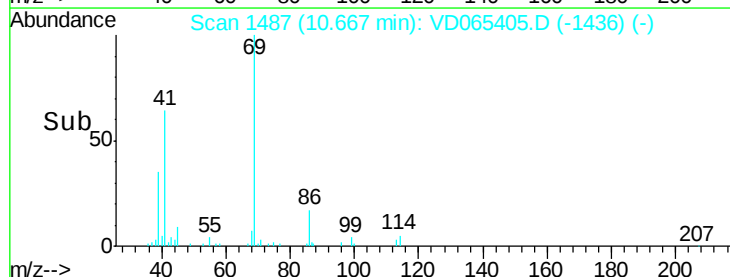
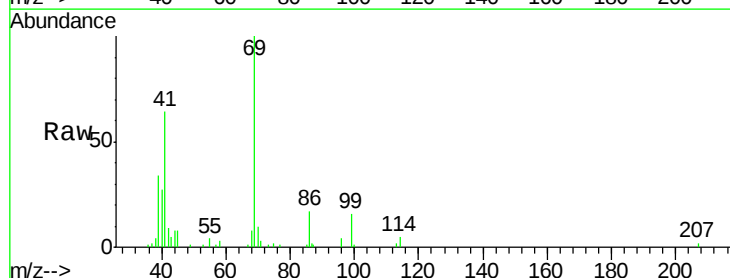
Manual Integrations
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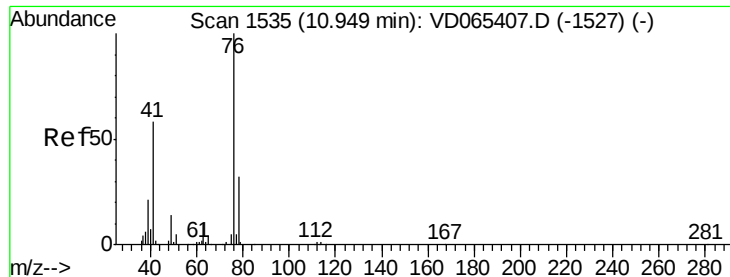
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#56
 Ethyl methacrylate
 Concen: 8.587 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion:	69	Resp:	34335
Ion	Ratio	Lower	Upper
69	100		
41	64.7	53.0	79.6
39	29.7	26.0	39.0





#57

1,3-Dichloropropane

Concen: 9.581 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 57343

Ion Ratio Lower Upper

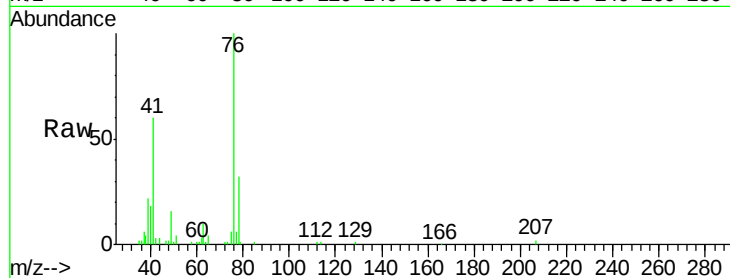
76 100

78 33.6 26.0 39.0

Manual Integrations
APPROVED

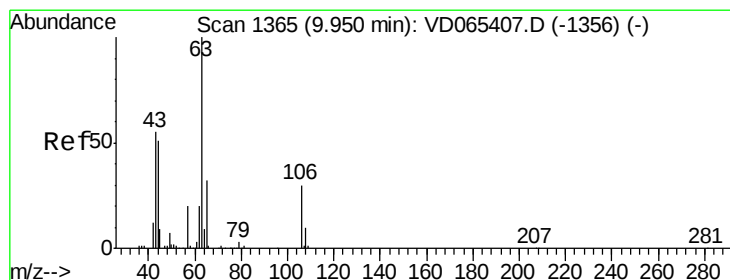
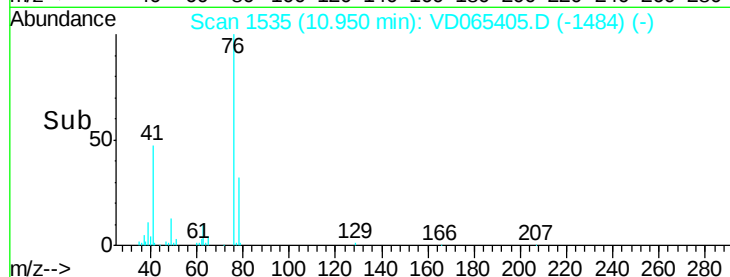
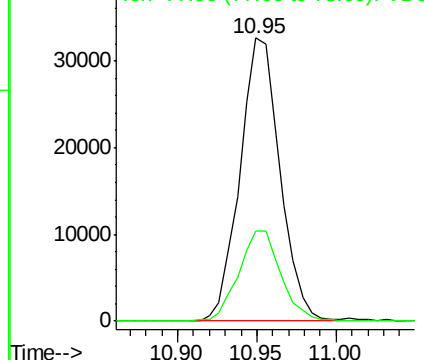
MMDadoda

3/5/2020 1:38:25 PM



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: 63.824 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065405.D

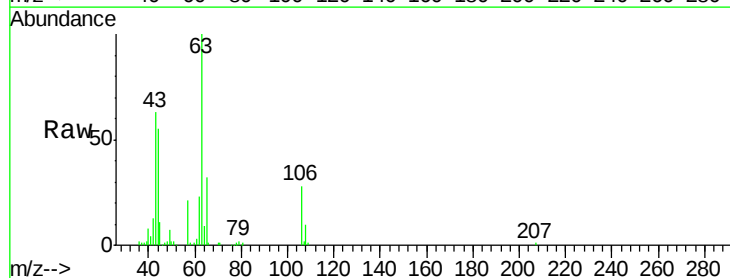
Acq: 04 Mar 2020 11:04

Tgt Ion: 63 Resp: 90726

Ion Ratio Lower Upper

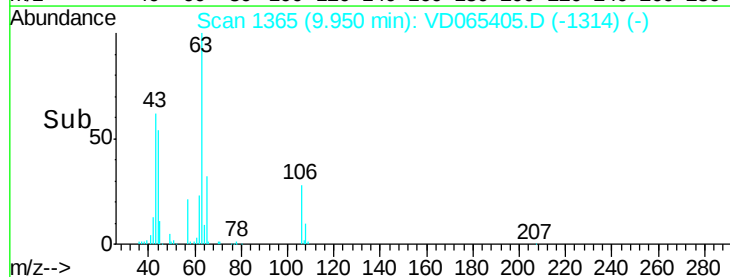
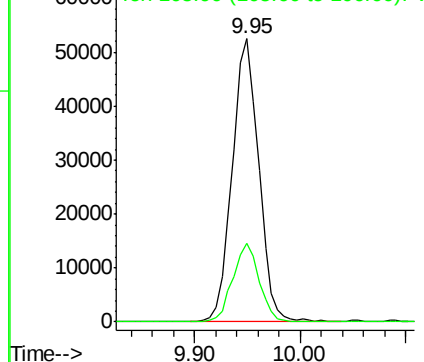
63 100

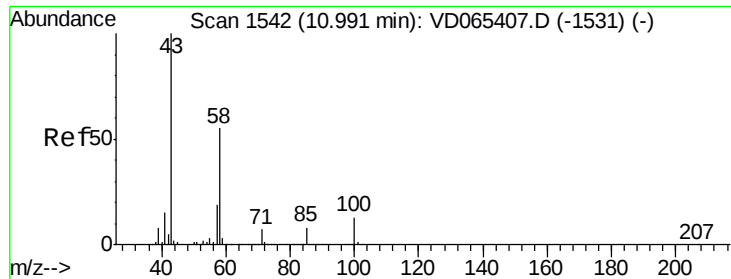
106 27.6 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





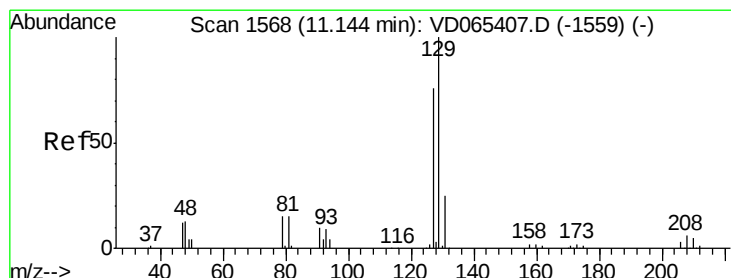
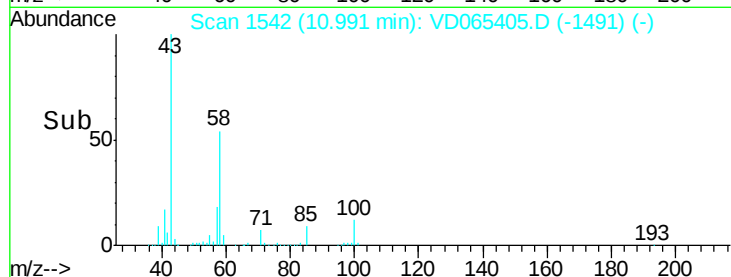
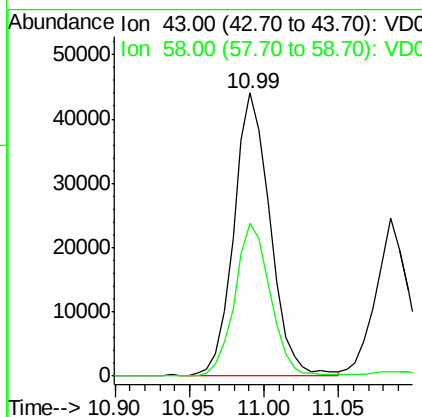
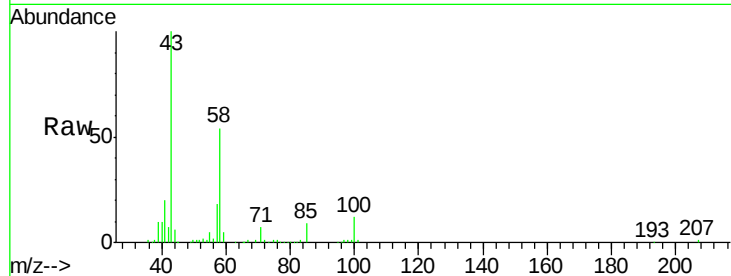
#59
2-Hexanone
Concen: 42.155 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 74579
Ion Ratio Lower Upper
43 100
58 53.3 27.4 82.2

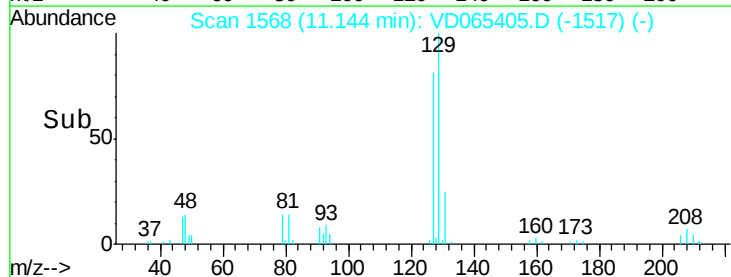
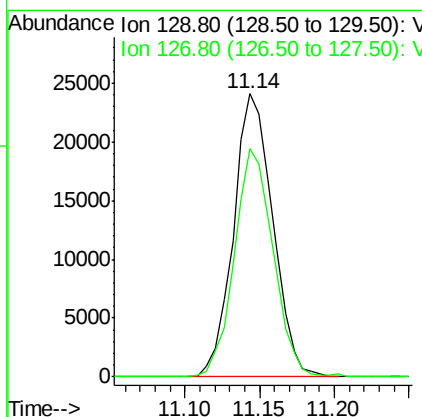
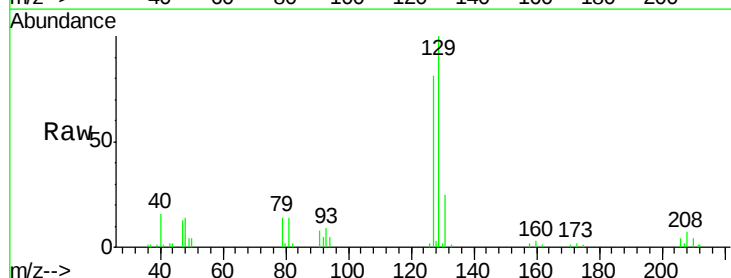
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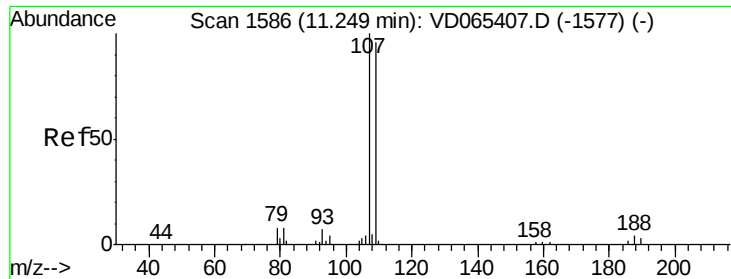
MMDadoda
3/5/2020 1:38:25 PM



#60
Dibromochloromethane
Concen: 9.685 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion: 129 Resp: 43985
Ion Ratio Lower Upper
129 100
127 79.9 38.5 115.5





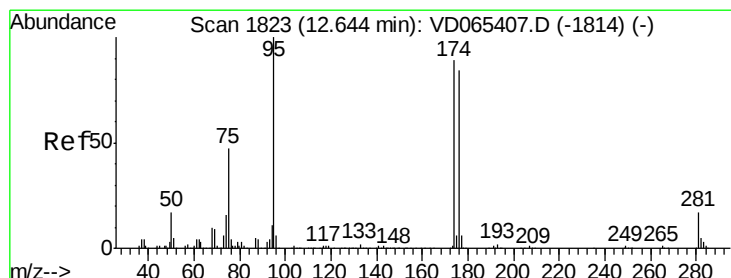
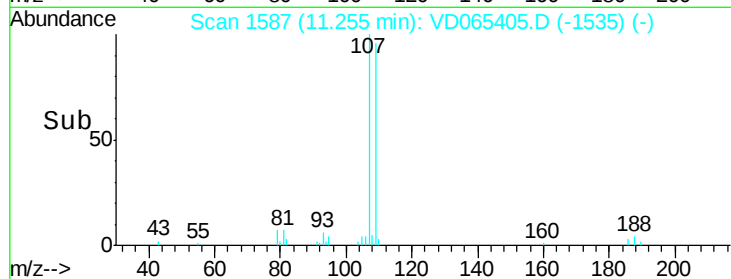
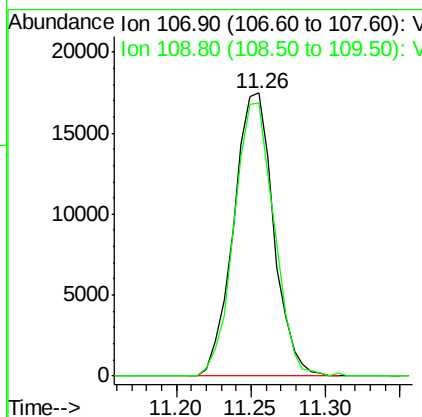
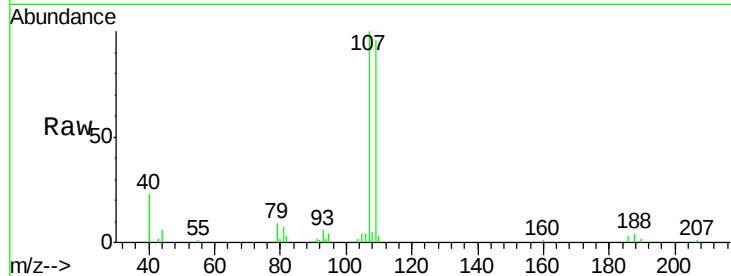
#61
 1,2-Dibromoethane
 Concen: 9.609 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 32366
 Ion Ratio Lower Upper
 107 100
 109 97.2 76.8 115.2

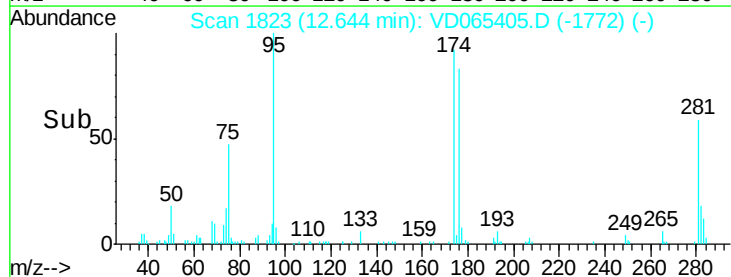
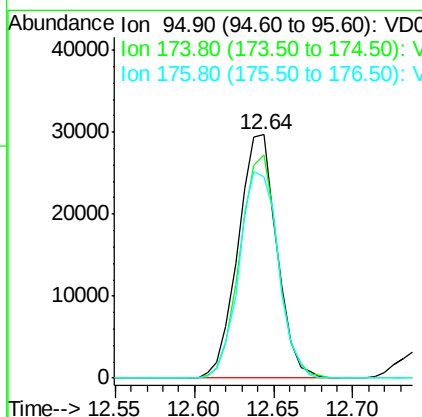
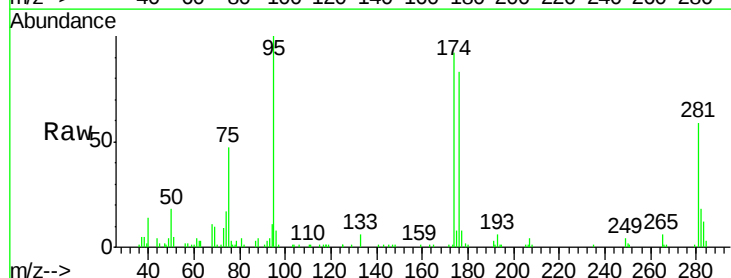
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 9.229 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion: 95 Resp: 50299
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 176.8
 176 86.3 0.0 171.4





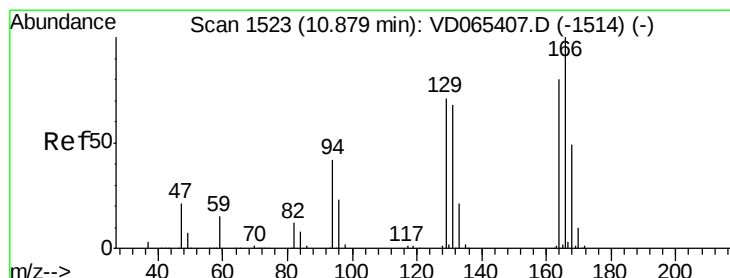
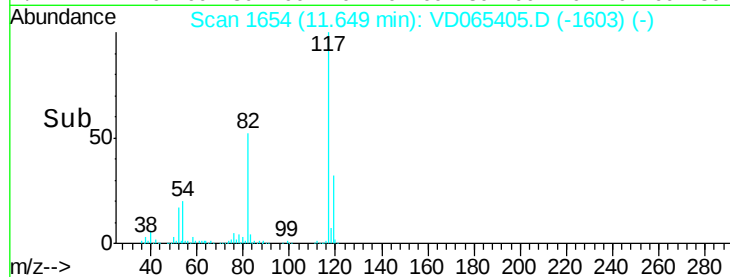
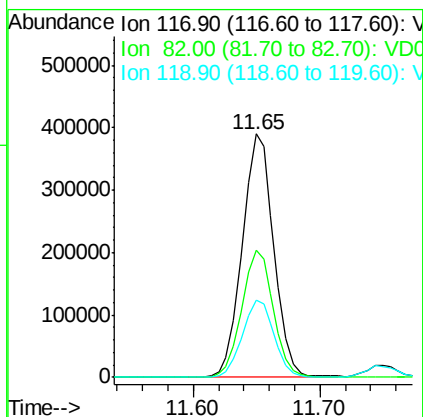
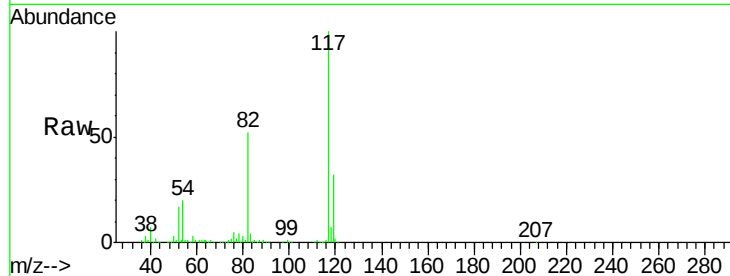
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	40.6	60.8
119	31.7	25.4	38.2

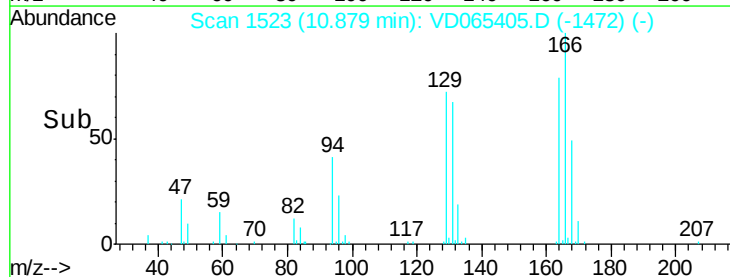
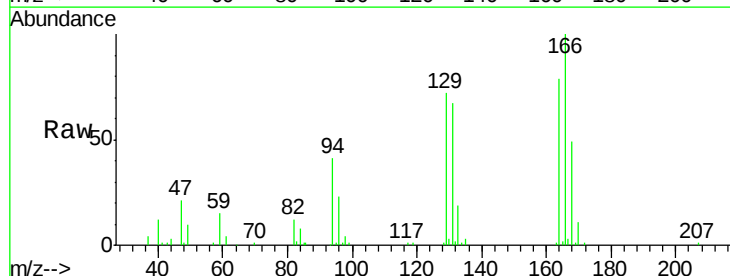
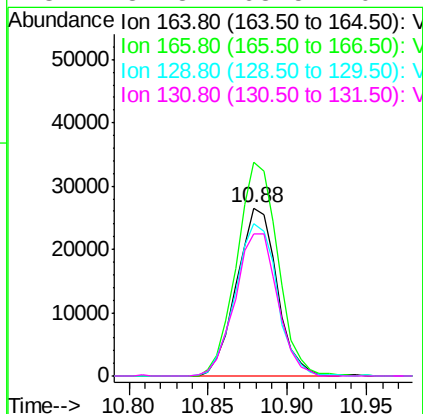
Manual Integrations
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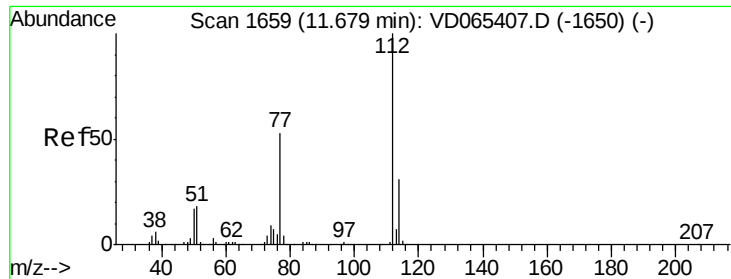
MMDadoda
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#64
Tetrachloroethene
Concen: 9.670 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	100.5	150.7
129	90.9	71.5	107.3
131	84.8	68.5	102.7





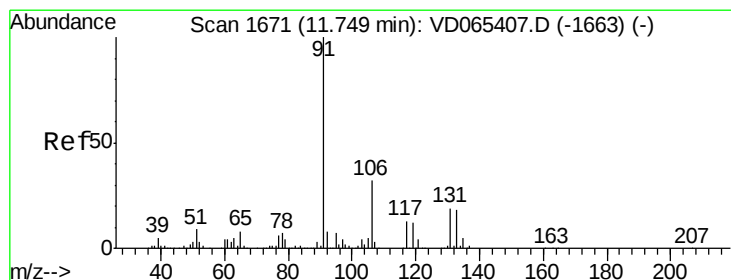
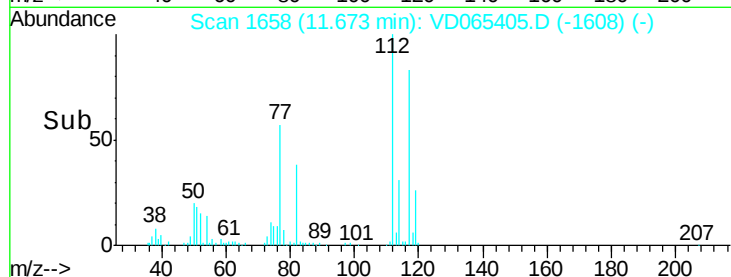
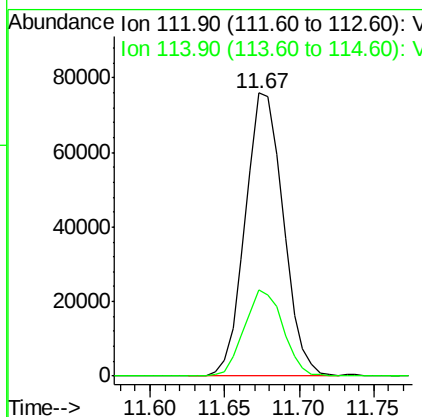
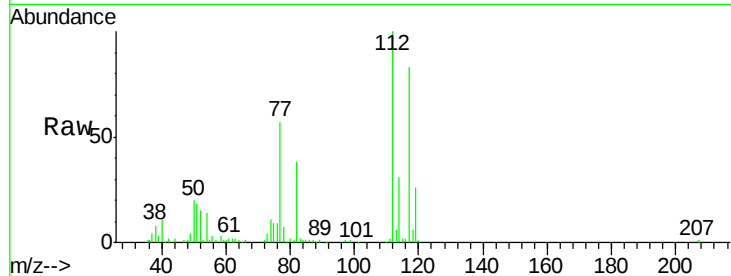
#65
Chlorobenzene
Concen: 10.010 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	24.4	36.6

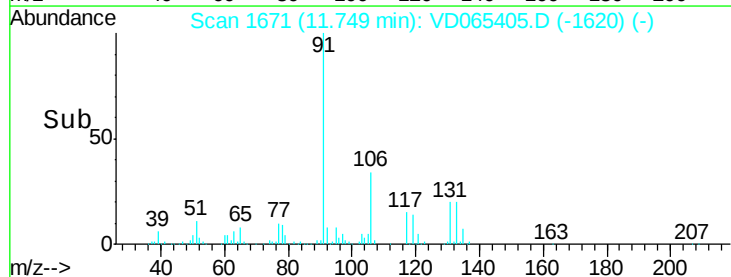
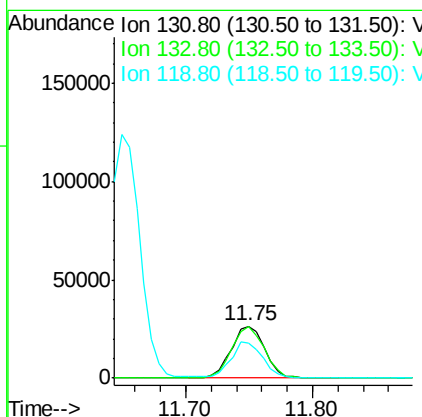
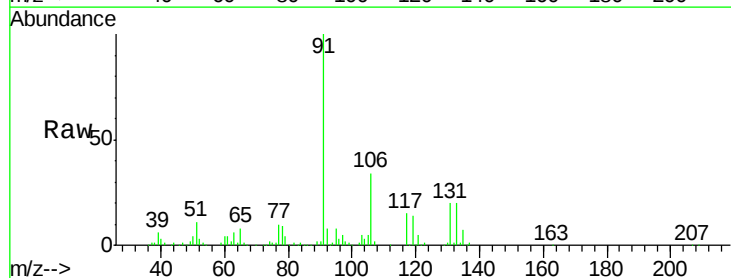
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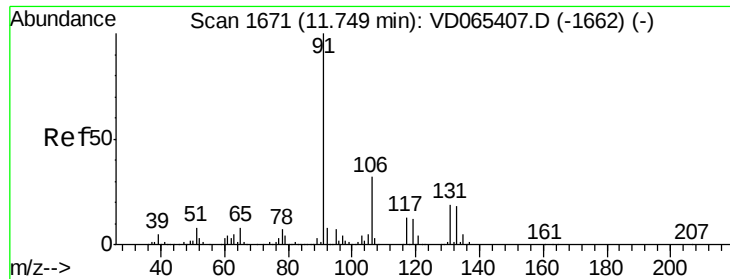
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.960 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	49.2	147.6
119	65.3	33.3	99.8





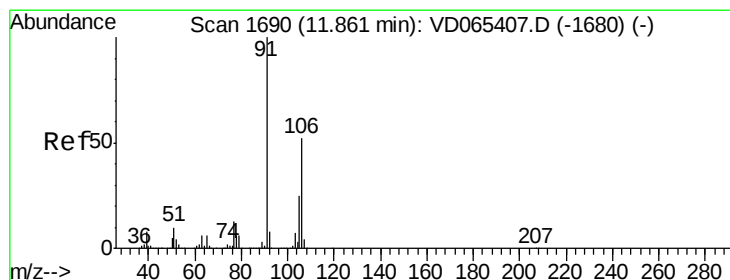
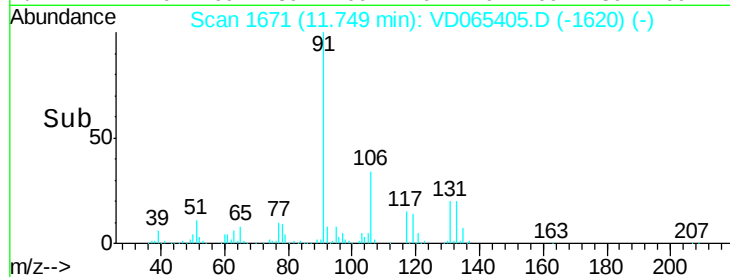
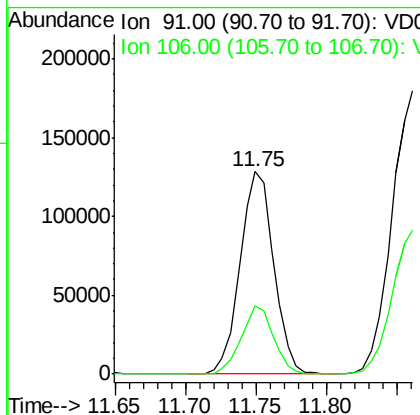
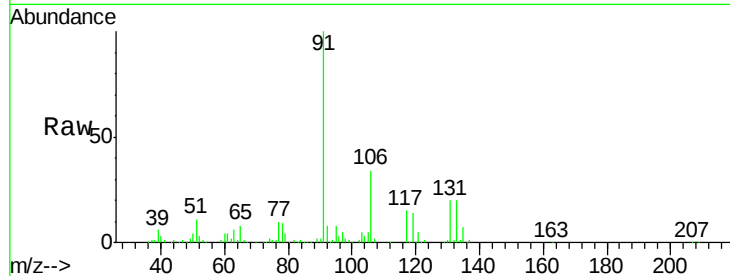
#67
Ethyl Benzene
Concen: 9.303 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 214932
Ion Ratio Lower Upper
91 100
106 33.8 25.2 37.8

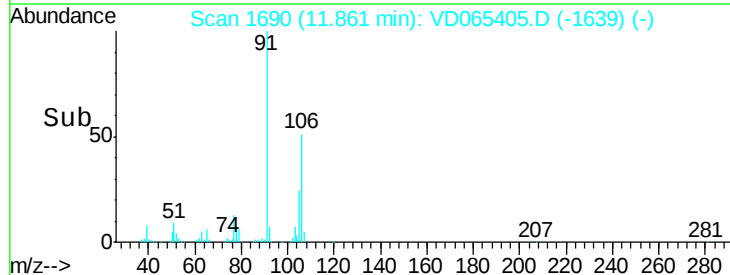
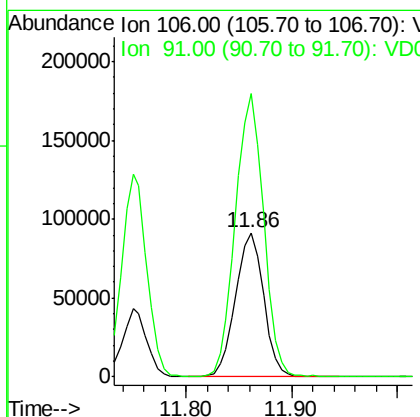
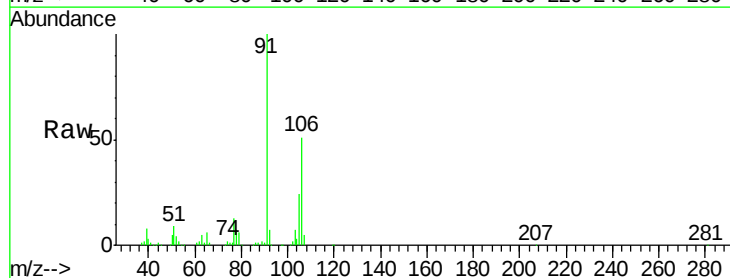
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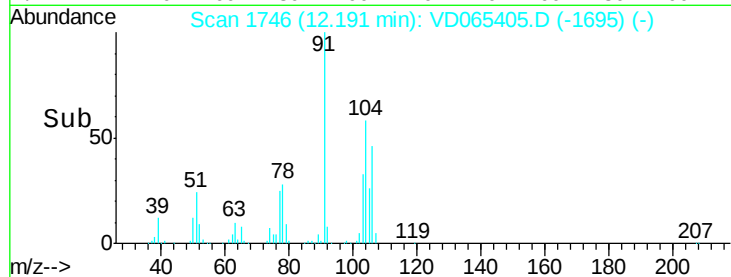
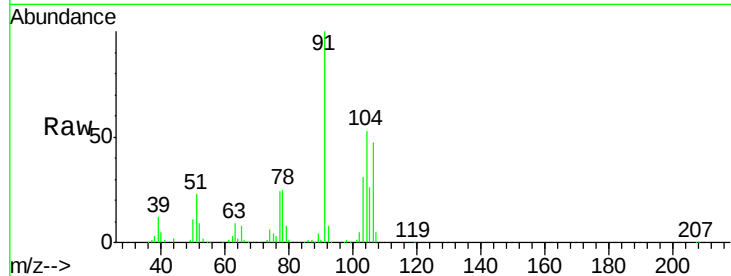
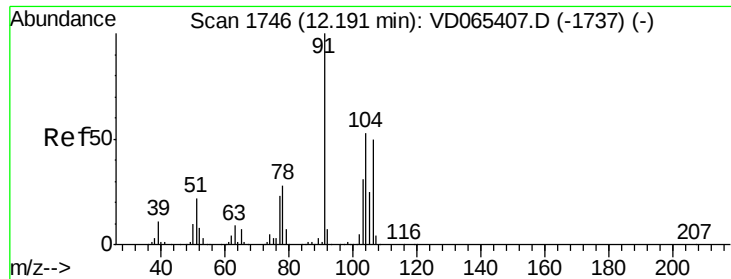
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#68
m/p-Xylenes
Concen: 18.952 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion: 106 Resp: 168804
Ion Ratio Lower Upper
106 100
91 197.6 155.9 233.9





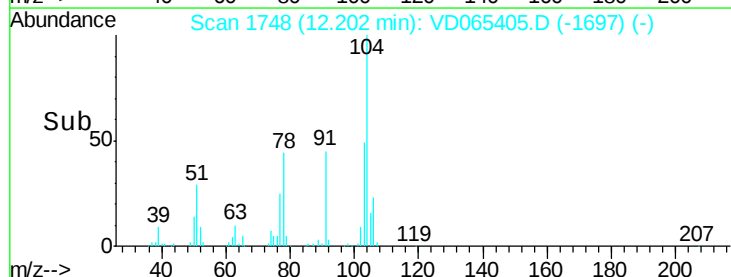
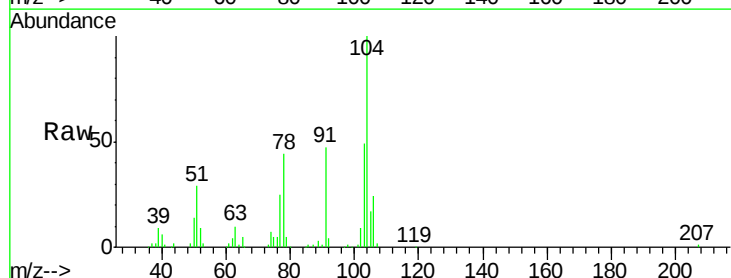
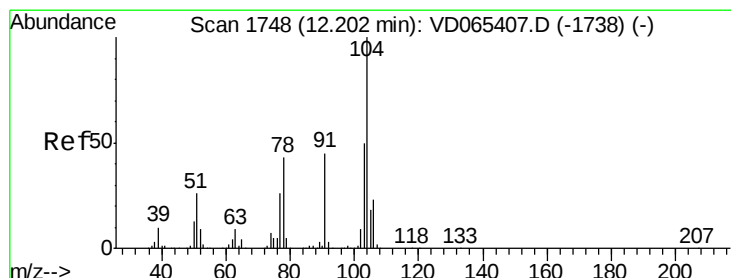
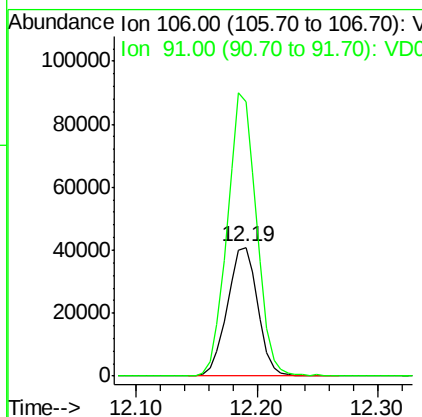
#69
o-Xylene
Concen: 9.183 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tot Ion:106 Resp: 71940
Ion Ratio Lower Upper
106 100
91 210.2 103.5 310.3

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

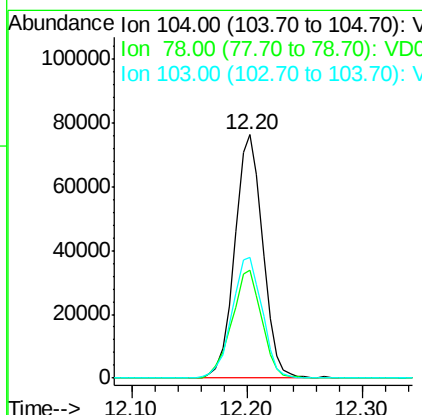
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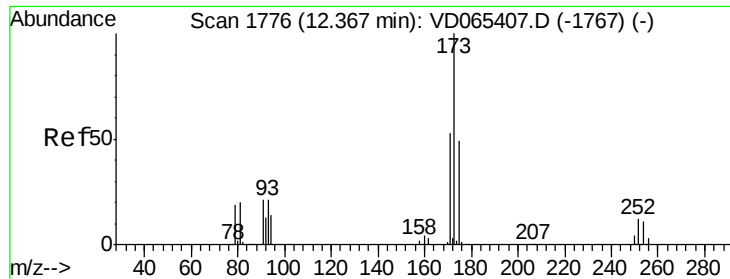
MMDadoda
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#70
Styrene
Concen: 9.253 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion:104 Resp: 127870
Ion Ratio Lower Upper
104 100
78 47.2 37.7 56.5
103 53.6 43.6 65.4





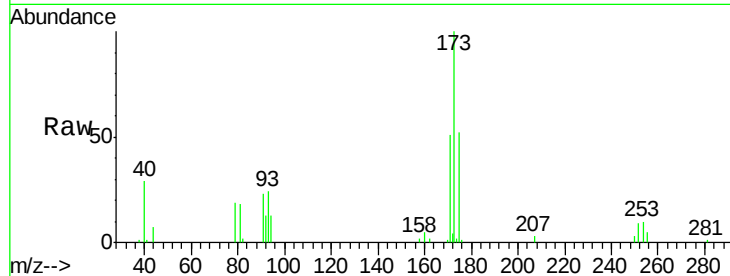
#71
Bromoform
Concen: 9.655 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	0.0	0.1	0.1#

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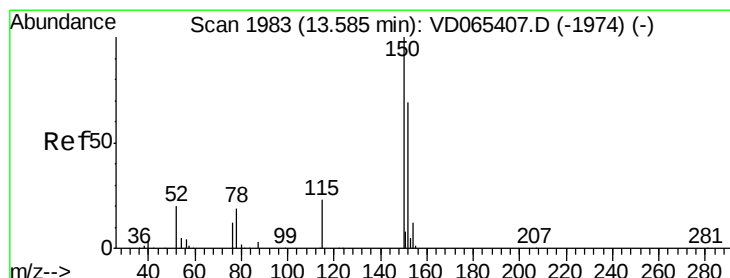
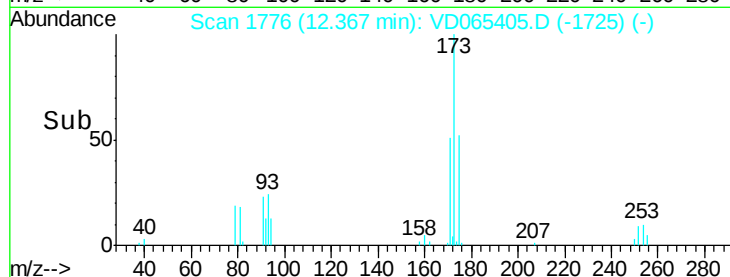
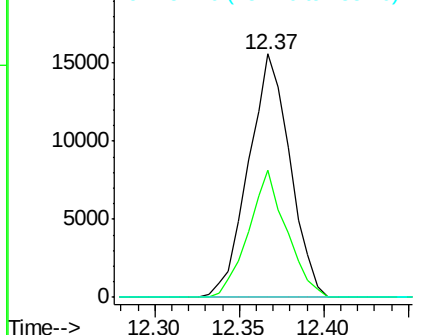


Abundance

Ion 172.70 (172.40 to 173.40): V

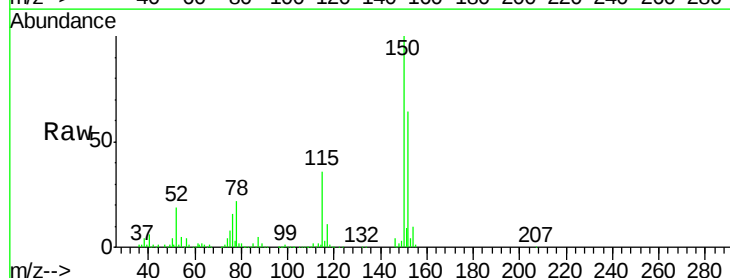
Ion 174.70 (174.40 to 175.40): V

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: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.6	82.8
150	158.1	0.0	345.0

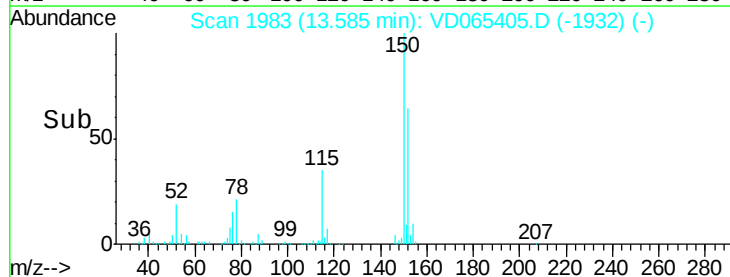
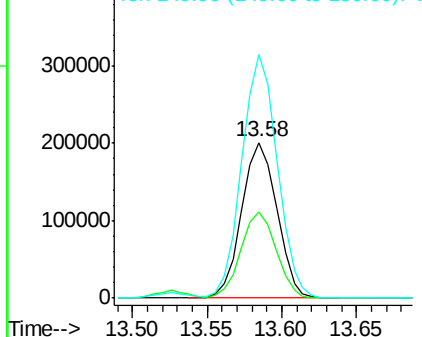


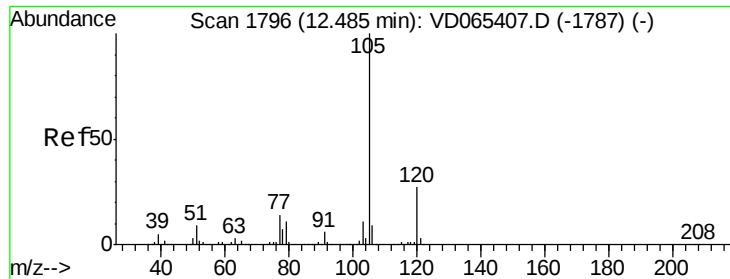
Abundance

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: 8.958 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 192933

Ion Ratio Lower Upper

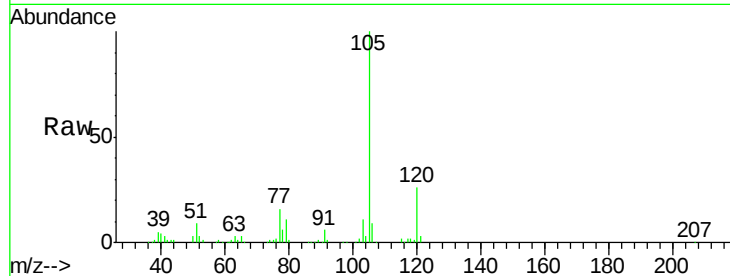
105 100

120 27.4 13.5 40.4

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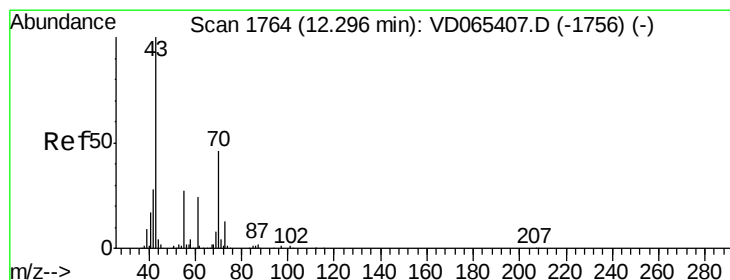
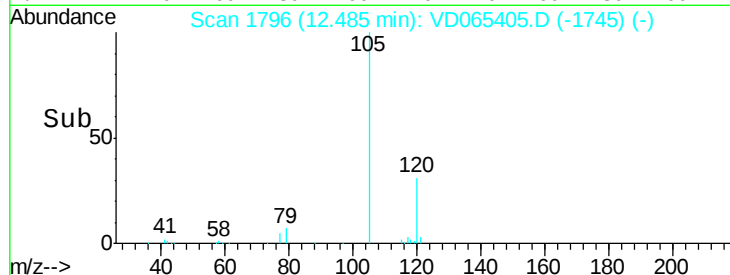
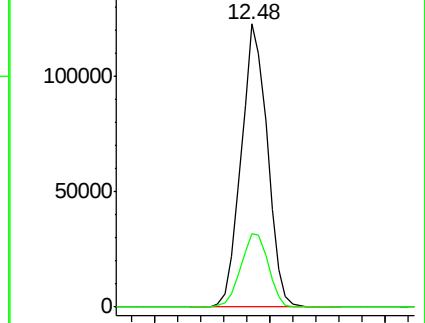
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 8.515 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion: 43 Resp: 37872

Ion Ratio Lower Upper

43 100

70 44.5 36.1 54.1

55 30.2 21.6 32.4

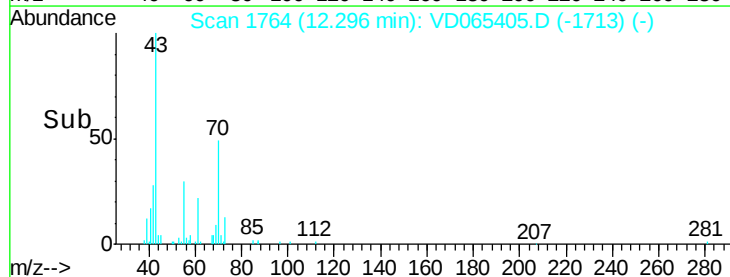
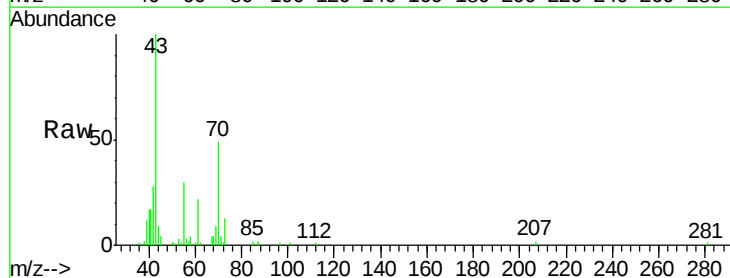
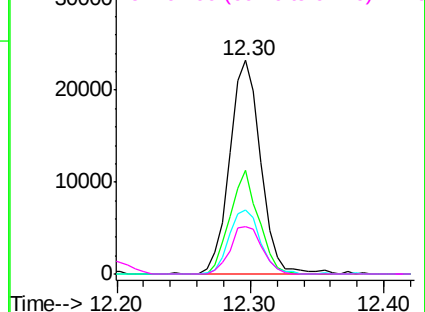
61 22.9 19.6 29.4

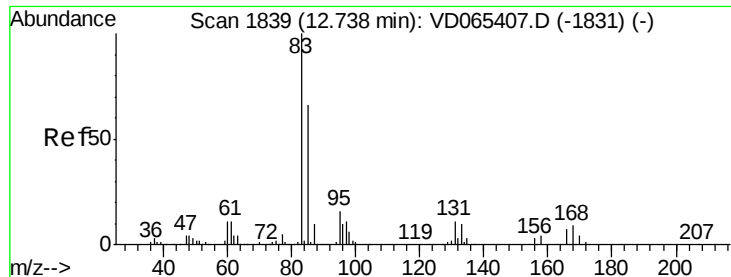
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 9.639 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

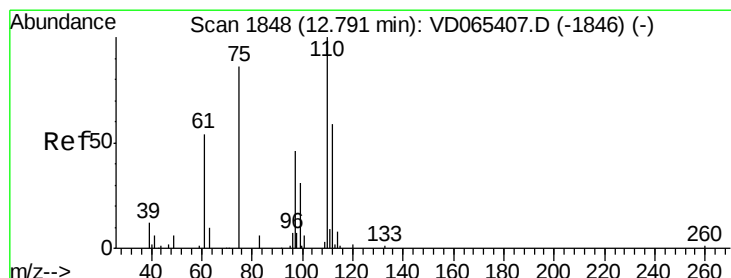
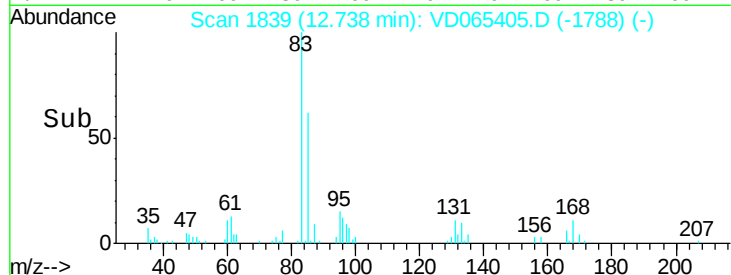
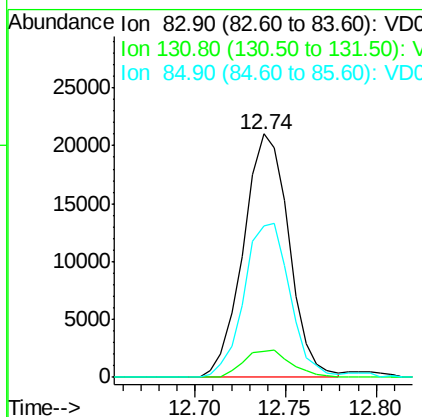
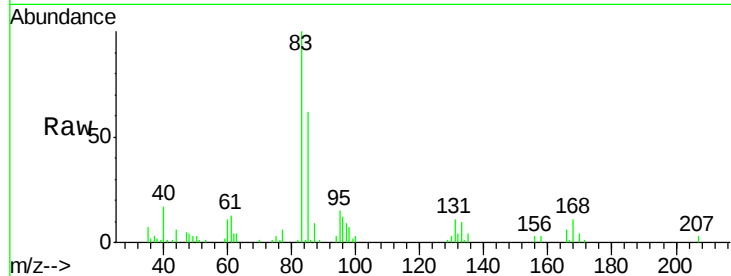
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	36831
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.4	16.2
85	63.4	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.422 ug/l m

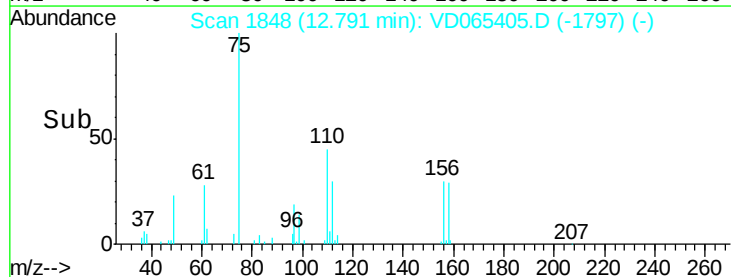
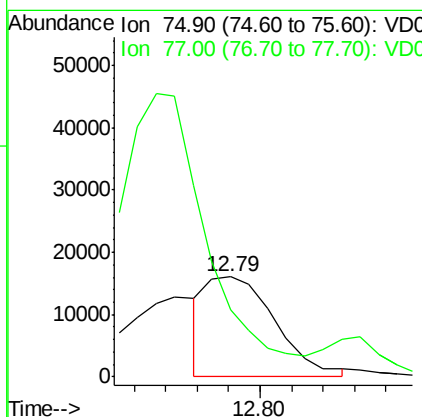
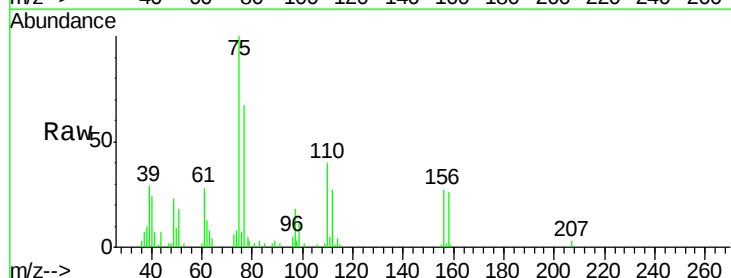
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion:	75	Resp:	24557
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





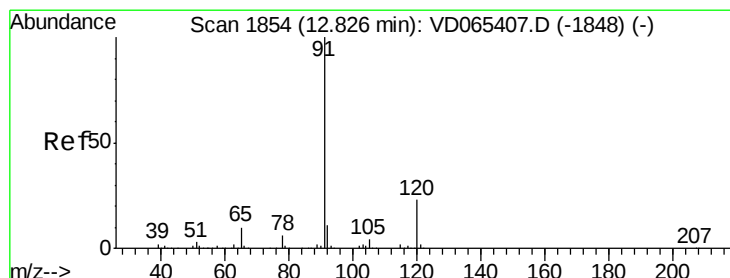
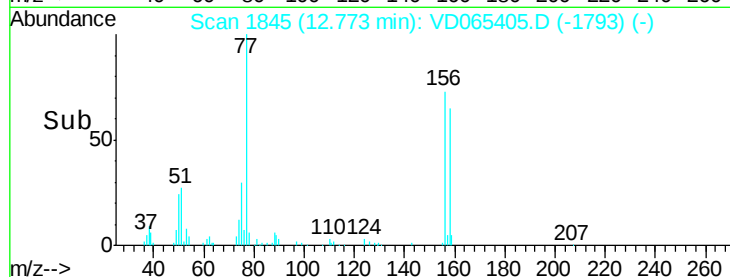
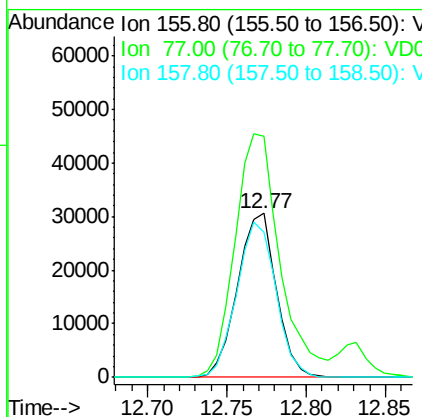
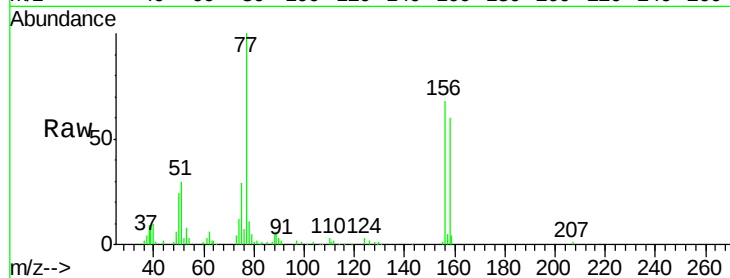
#77
Bromobenzene
Concen: 9.621 ug/l
RT: 12.77 min Scan# 1845
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.8	84.9	254.6
158	95.8	49.0	147.2

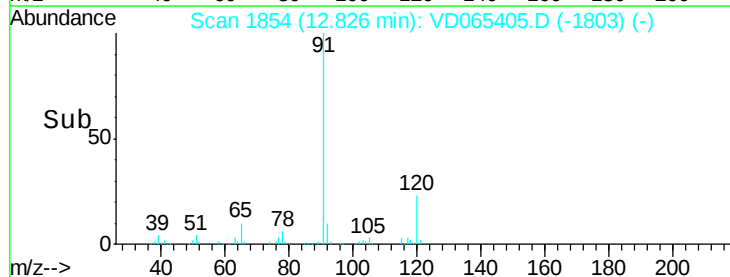
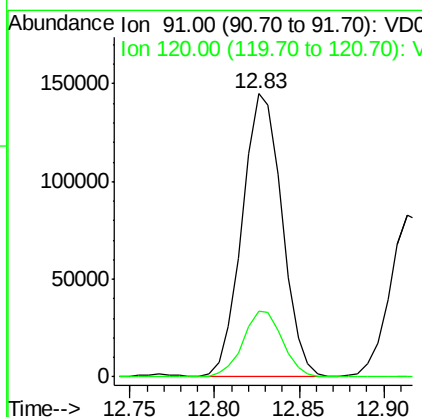
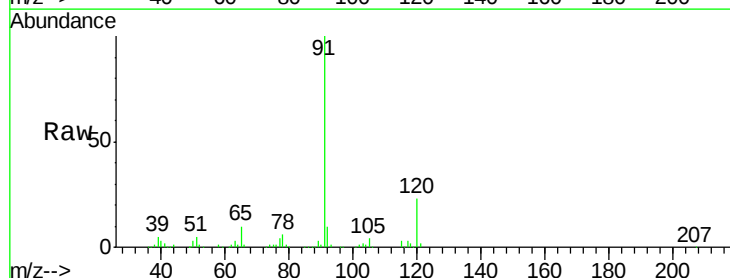
Manual Integrations
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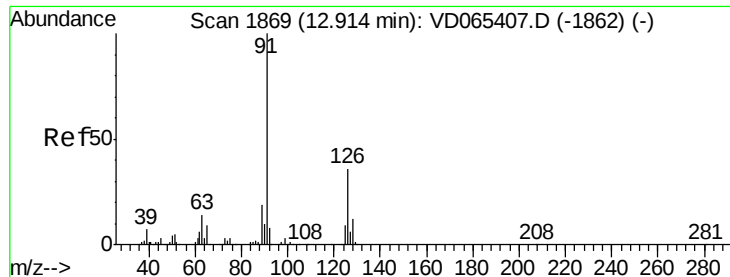
MMDadoda
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#78
n-propylbenzene
Concen: 9.280 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 9.661 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 139309

Ion Ratio Lower Upper

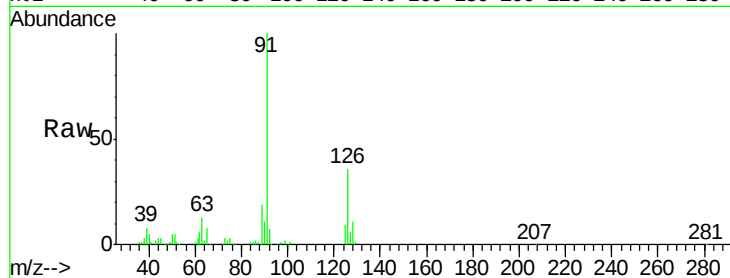
91 100

126 35.0 17.9 53.8

Manual Integrations
APPROVED

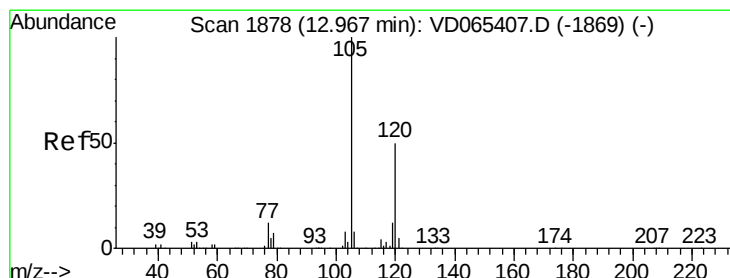
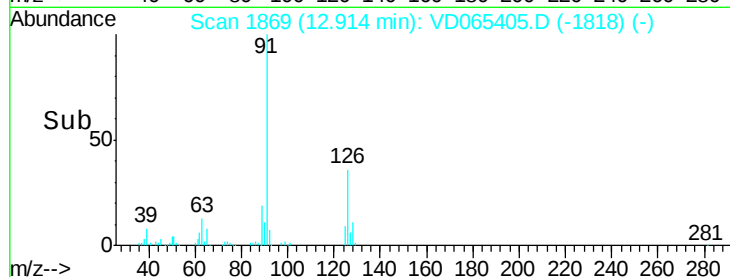
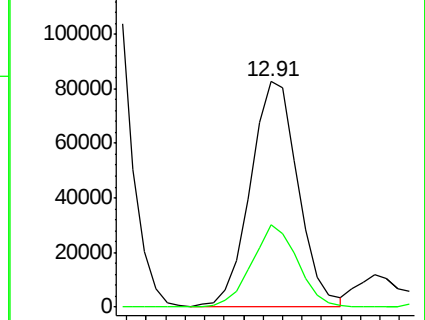
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Abundance Ion 91.00 (90.70 to 91.70): VD065405.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065405.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.392 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065405.D

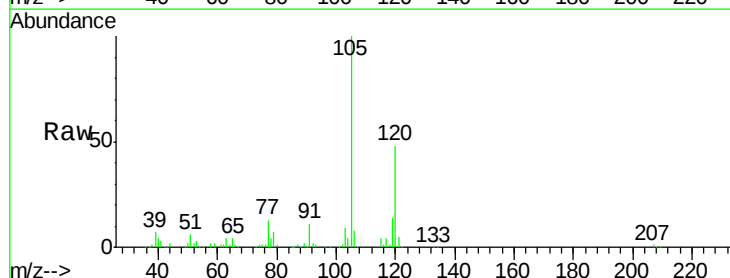
Acq: 04 Mar 2020 11:04

Tgt Ion: 105 Resp: 166534

Ion Ratio Lower Upper

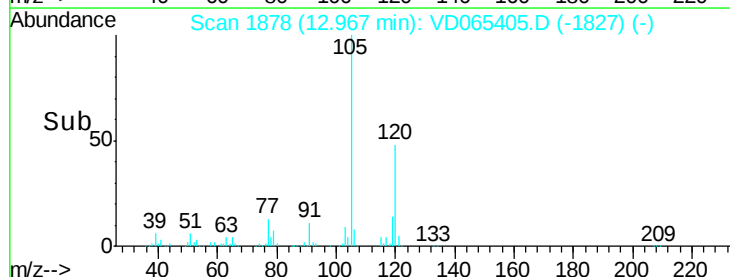
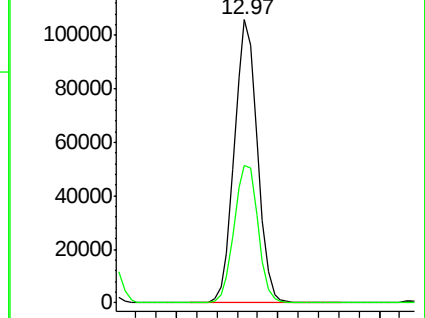
105 100

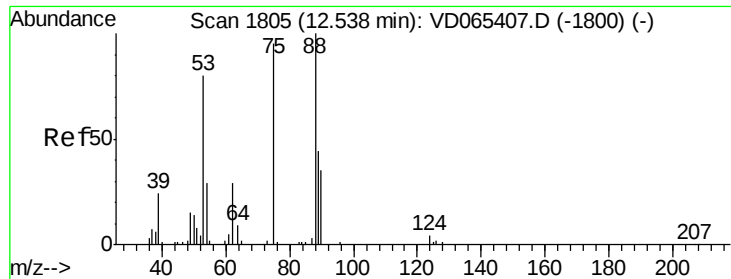
120 50.6 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065405.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065405.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 8.862 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

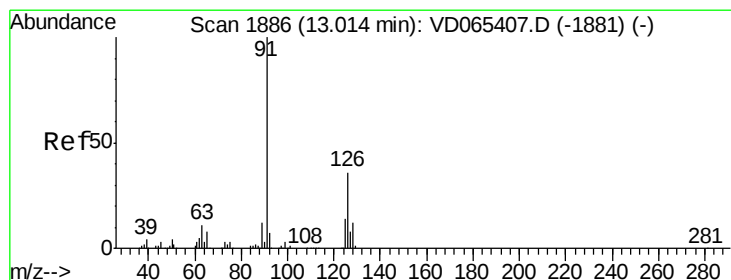
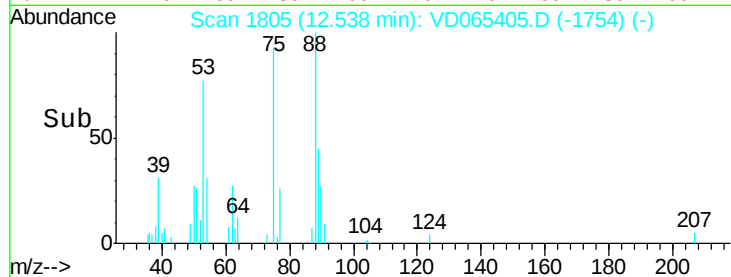
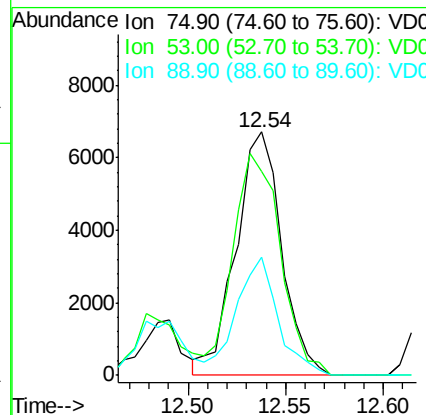
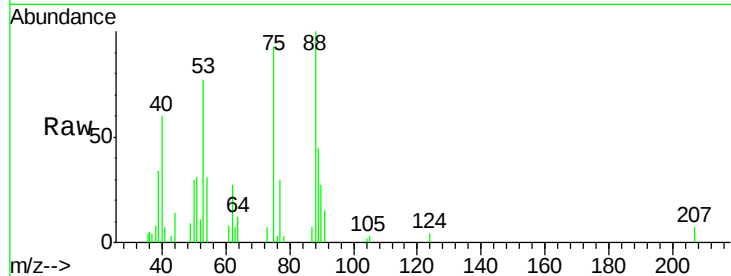
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	10892
Ion	Ratio	Lower	Upper
75	100		
53	94.7	71.3	106.9
89	44.4	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 9.584 ug/l

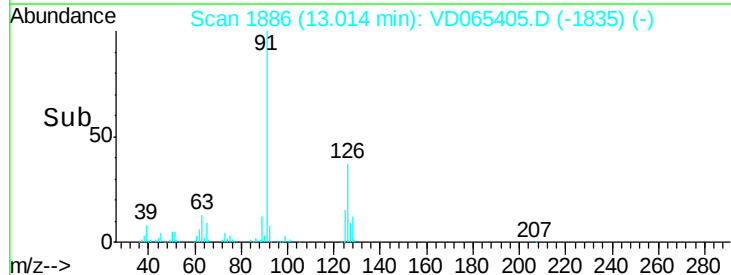
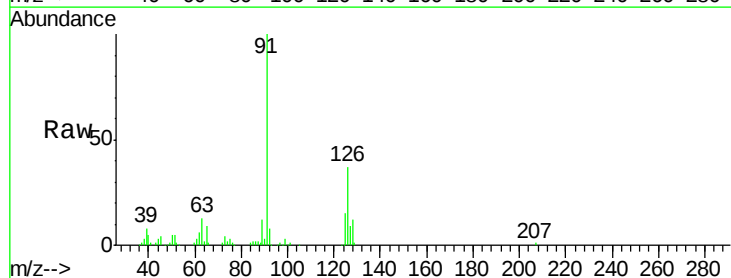
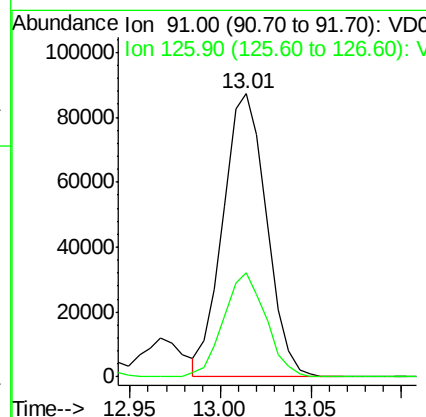
RT: 13.01 min Scan# 1886

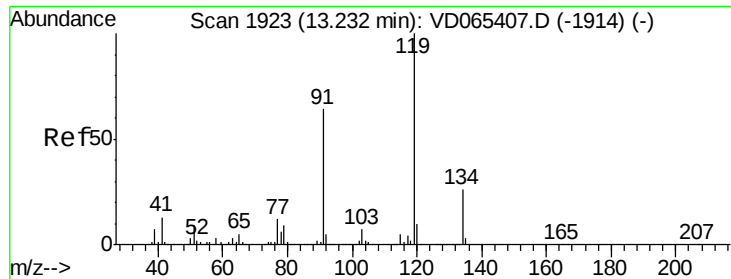
Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion:	91	Resp:	145712
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.6	52.8





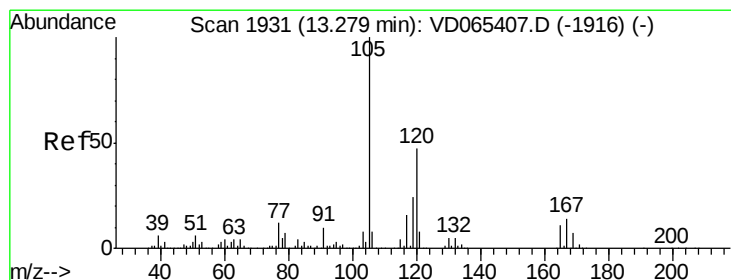
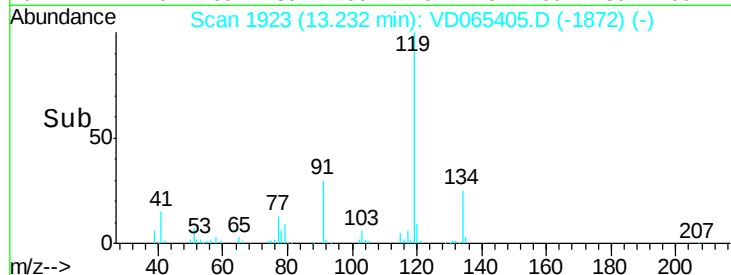
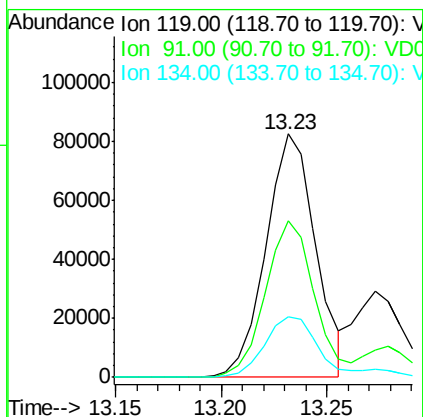
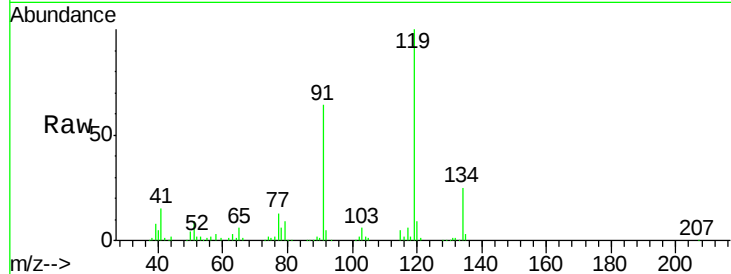
#83
tert-Butylbenzene
Concen: 9.005 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.6	95.0
134	28.8	14.2	42.8

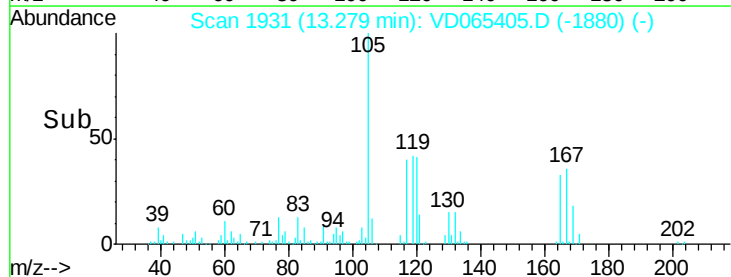
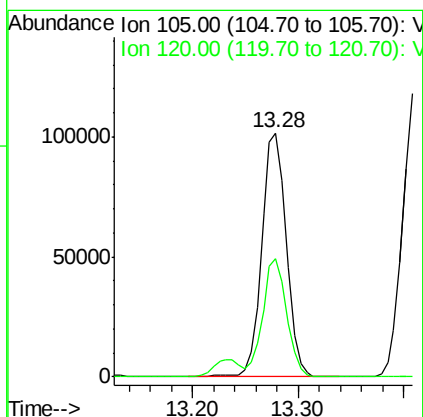
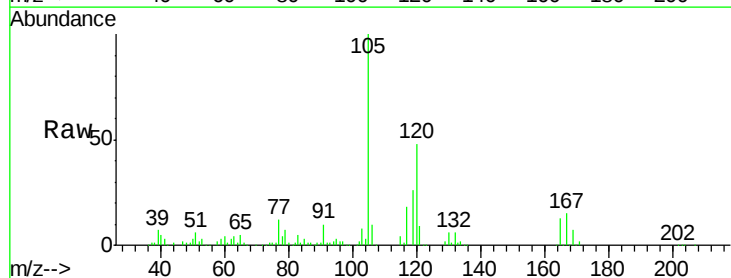
Manual Integrations
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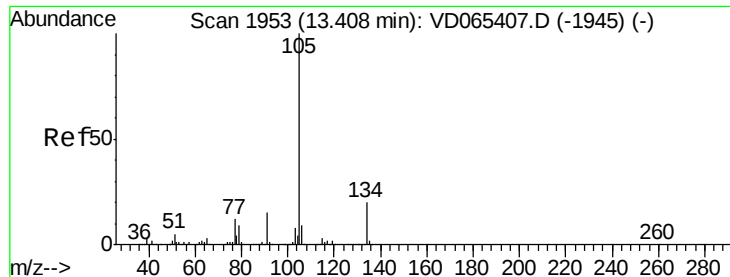
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#84
1,2,4-Trimethylbenzene
Concen: 9.387 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 9.235 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 197345

Ion Ratio Lower Upper

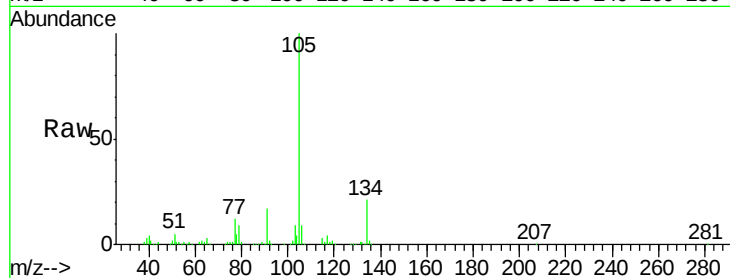
105 100

134 20.9 10.3 30.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

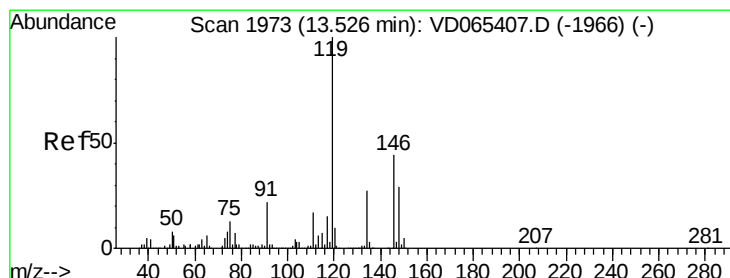
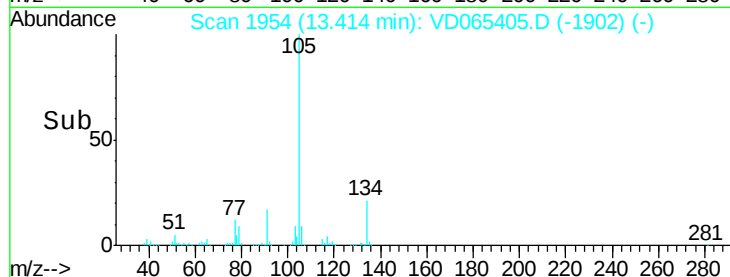
13.41

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 9.088 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

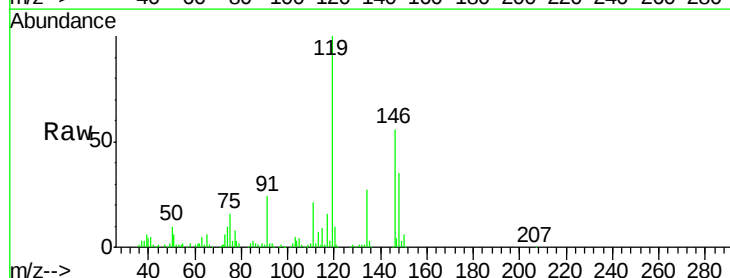
Tgt Ion:119 Resp: 177276

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 23.4 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

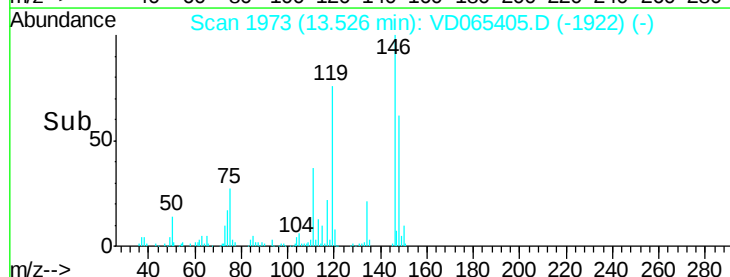
150000

100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 9.838 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

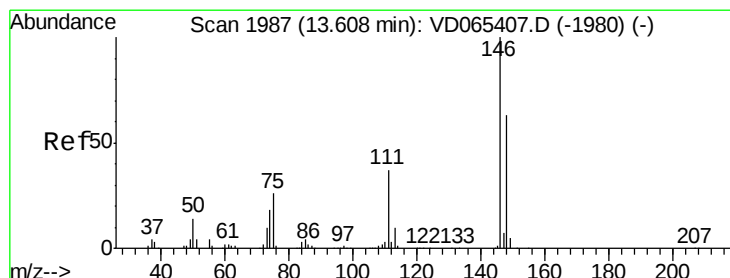
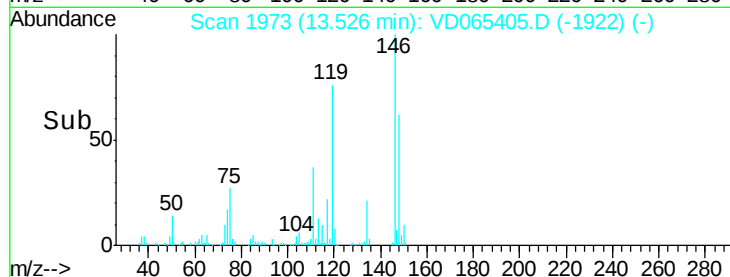
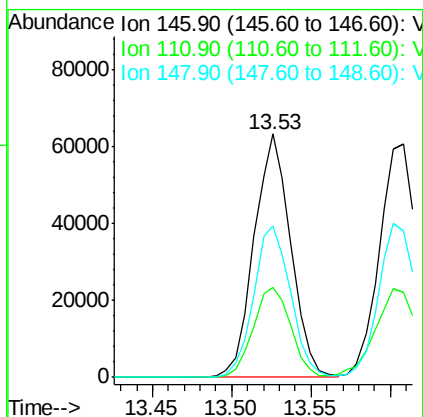
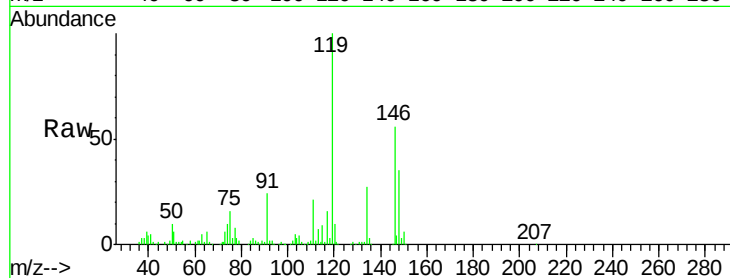
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	101470
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.1	57.1
148	62.7	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 9.818 ug/l

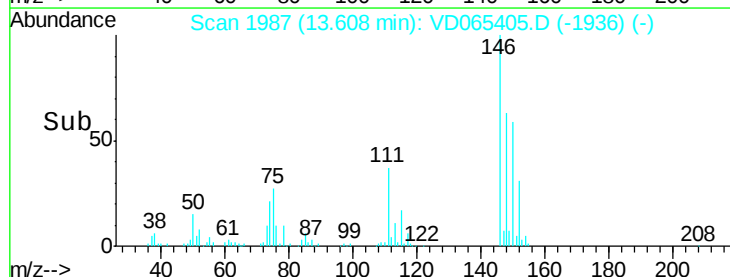
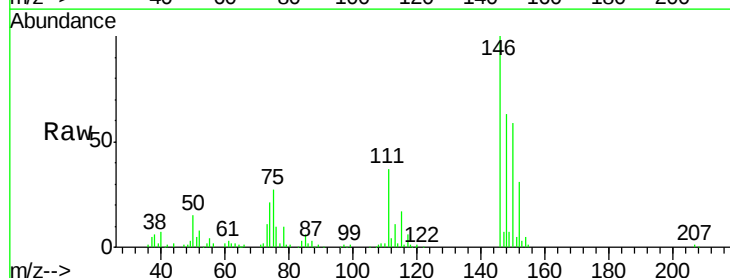
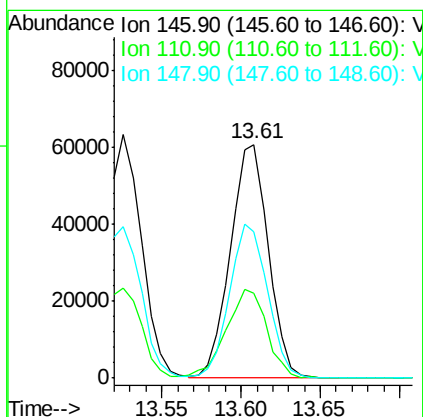
RT: 13.61 min Scan# 1987

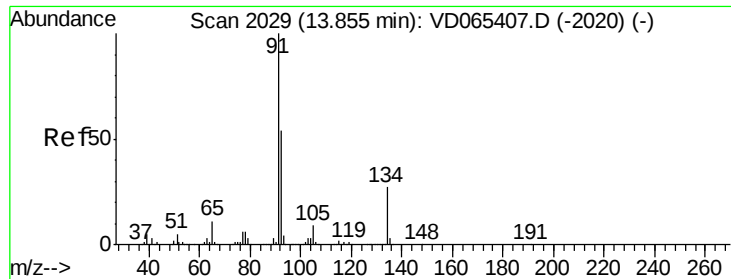
Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion:	146	Resp:	101019
Ion Ratio	Lower	Upper	
146	100		
111	40.8	18.5	55.5
148	66.1	32.0	96.0





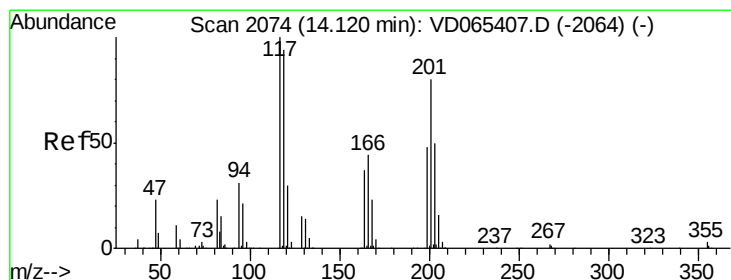
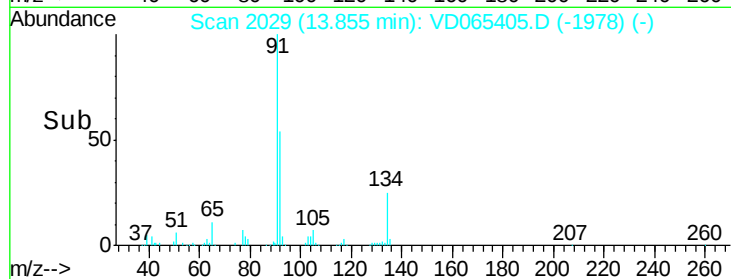
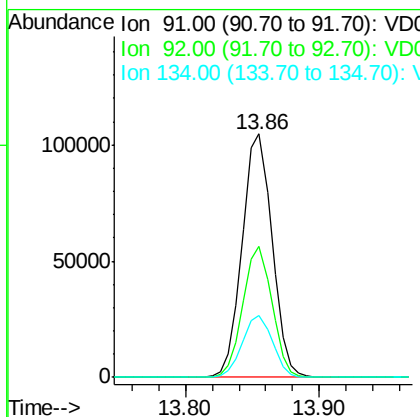
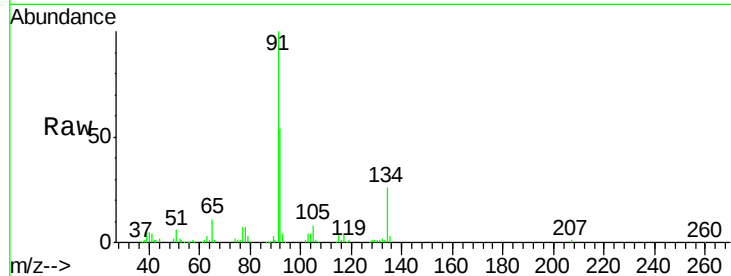
#89
n-Butylbenzene
Concen: 9.025 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.4
134	25.9	13.4	40.2

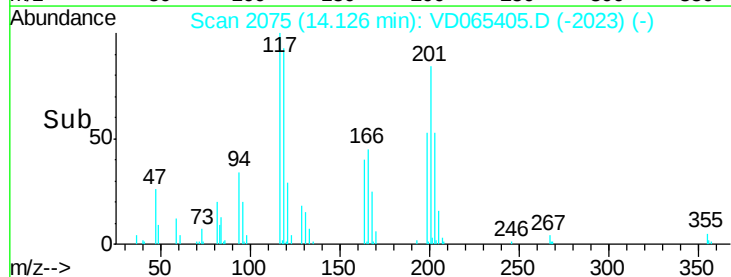
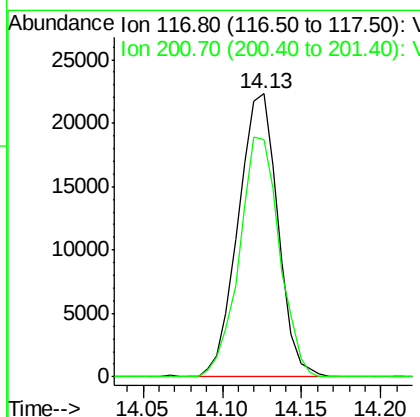
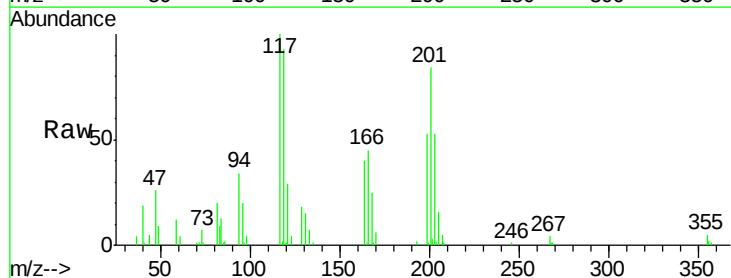
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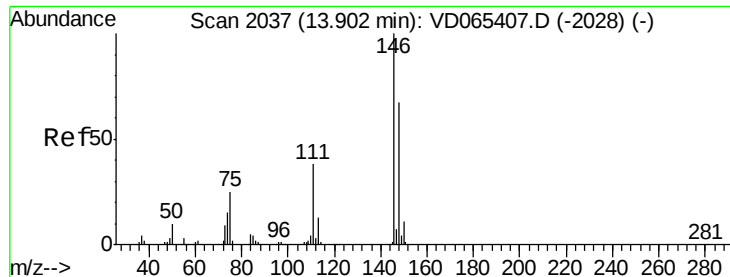
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#90
Hexachloroethane
Concen: 9.644 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065405.D
Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	41.9	125.6





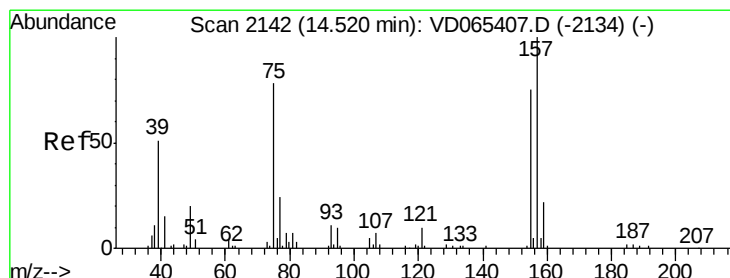
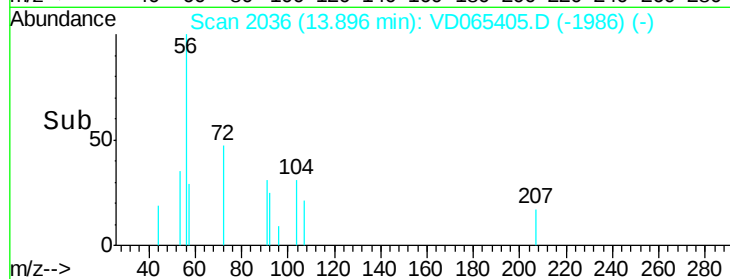
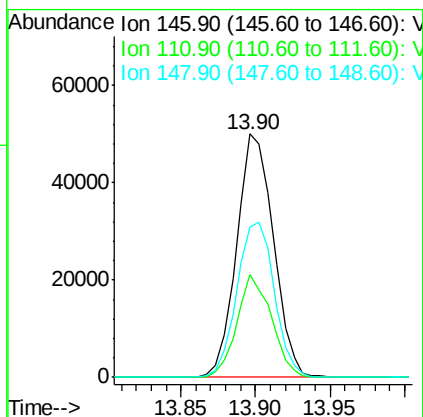
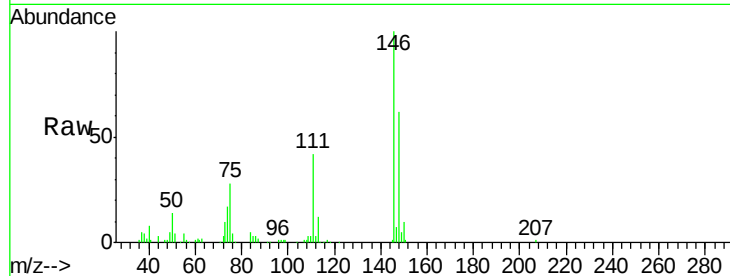
#91
 1,2-Dichlorobenzene
 Concen: 9.705 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	64.8	32.6	97.8

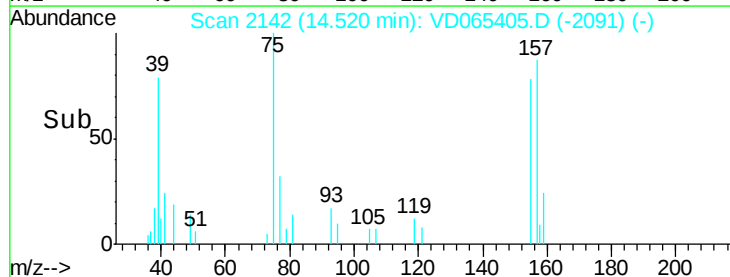
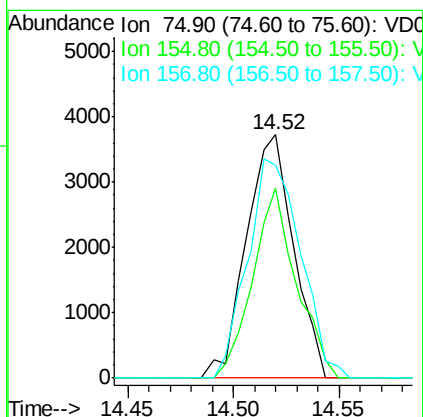
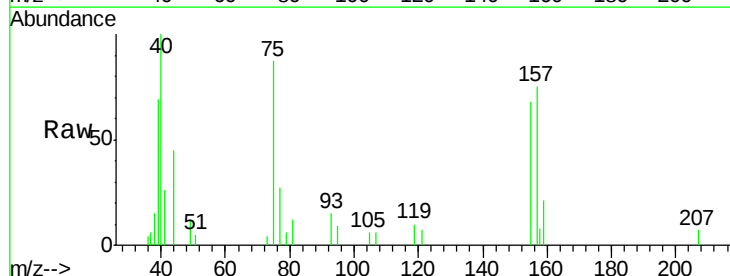
Manual Integrations
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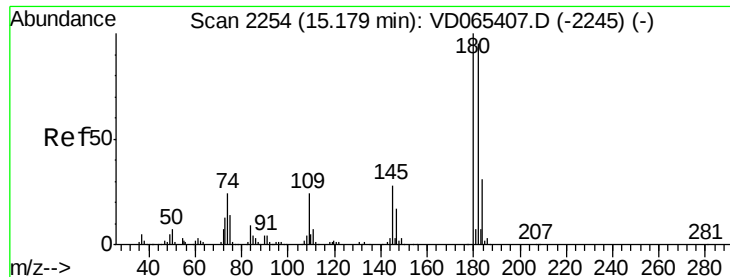
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.884 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	46.4	139.1
157	101.2	60.2	180.4





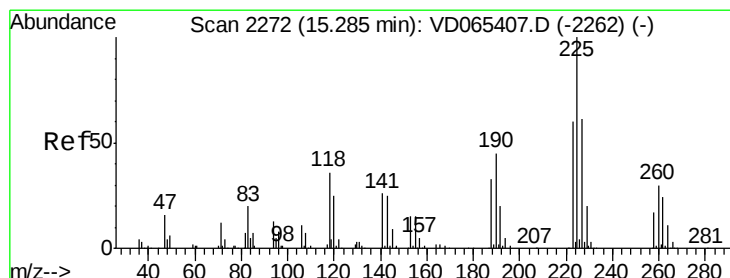
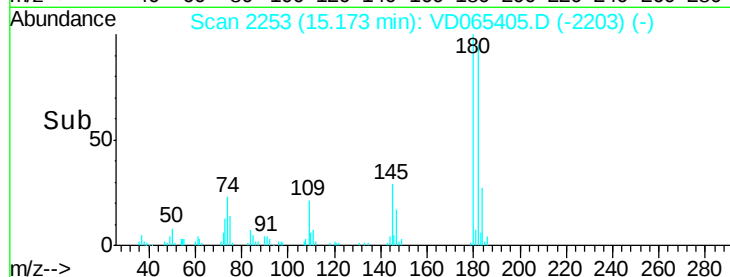
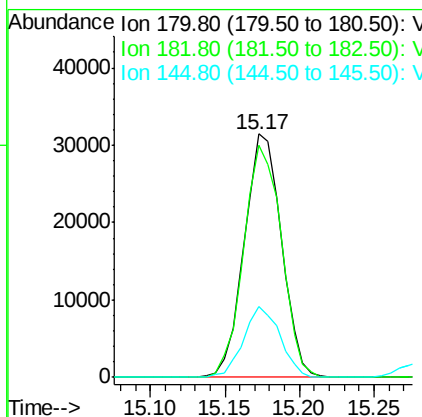
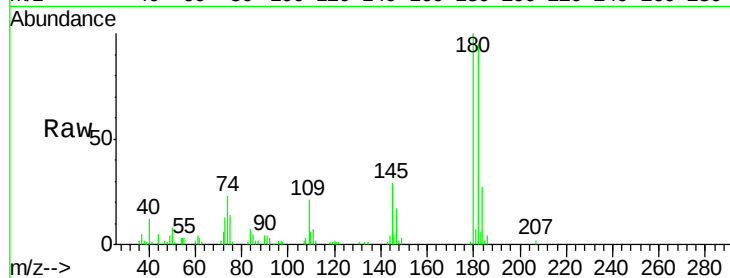
#93
 1,2,4-Trichlorobenzene
 Concen: 9.116 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.3	144.9
145	28.5	14.4	43.4

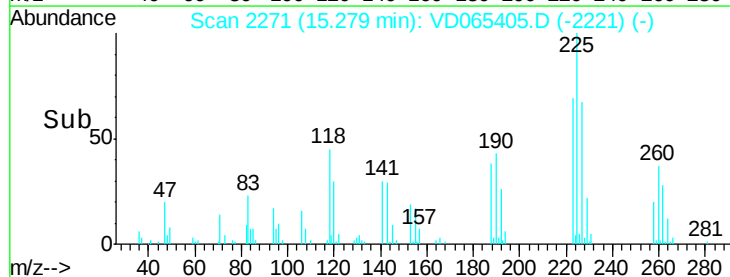
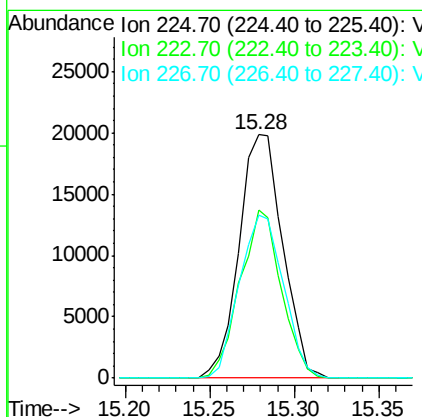
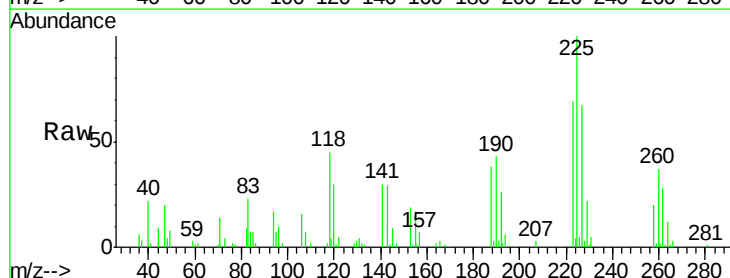
Manual Integrations
 APPROVED

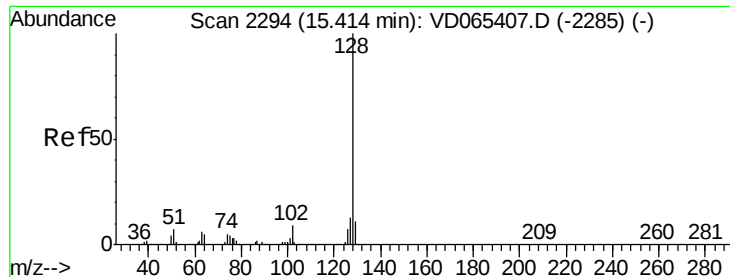
MMDadoda
 3/5/2020 1:38:25 PM



#94
 Hexachlorobutadiene
 Concen: 9.177 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065405.D
 Acq: 04 Mar 2020 11:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	30.9	92.5
227	67.6	31.6	94.7





#95

Naphthalene

Concen: 7.753 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Instrument :

MSVOA_D

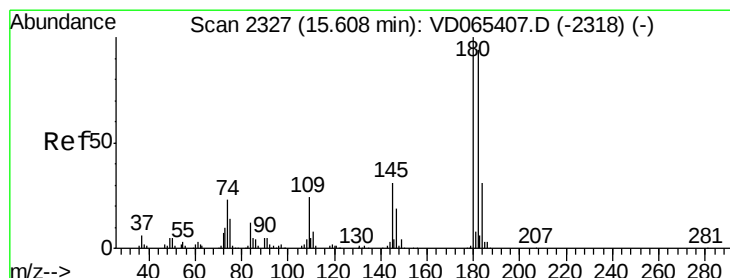
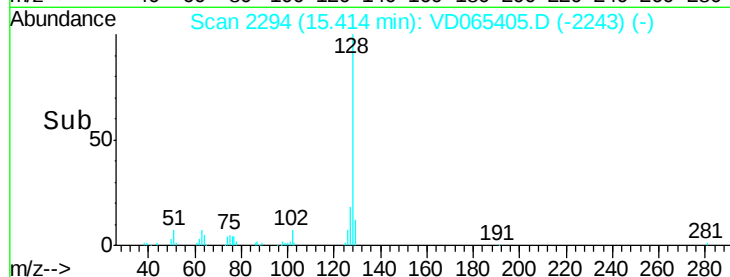
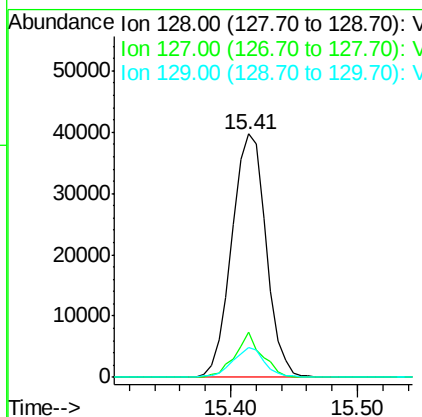
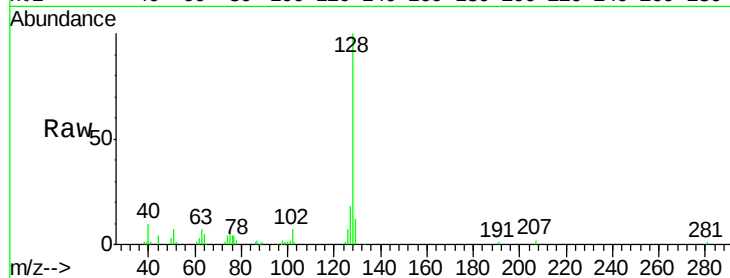
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	74158
Ion Ratio	Lower	Upper	
128	100		
127	14.3	10.6	16.0
129	11.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 9.159 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065405.D

Acq: 04 Mar 2020 11:04

Tgt Ion:	180	Resp:	47318
Ion Ratio	Lower	Upper	
180	100		
182	93.7	46.9	140.6
145	30.1	15.0	45.1

