

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066352.D
 Acq On : 21 Aug 2020 10:58
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/24/2020 4:36:29 PM

Quant Time: Aug 21 13:00:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 12:48:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	243731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	352636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	317079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166467	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	12862	5.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.64%	
35) Dibromofluoromethane	7.92	113	11687	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	
50) Toluene-d8	10.34	98	42603	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	
62) 4-Bromofluorobenzene	12.63	95	15782	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	11274	5.232	ug/l	90
3) Chloromethane	2.21	50	8090	4.888	ug/l	100
4) Vinyl Chloride	2.35	62	8824	5.863	ug/l	89
5) Bromomethane	2.77	94	6724	6.650	ug/l	82
6) Chloroethane	2.92	64	5379	5.775	ug/l	95
7) Trichlorofluoromethane	3.27	101	24052	6.088	ug/l	88
8) Diethyl Ether	3.71	74	5281	4.939	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	11697	5.167	ug/l	99
10) Methyl Iodide	4.29	142	11137	6.026	ug/l	94
11) Tert butyl alcohol	5.21	59	7486m	34.156	ug/l	
12) 1,1-Dichloroethene	4.06	96	10698	4.994	ug/l	95
13) Acrolein	3.92	56	2741m	16.671	ug/l	
14) Allyl chloride	4.71	41	13314	4.185	ug/l	98
15) Acrylonitrile	5.42	53	10134	22.630	ug/l	96
16) Acetone	4.16	43	12885	31.136	ug/l	94
17) Carbon Disulfide	4.41	76	31485	4.651	ug/l	98
18) Methyl Acetate	4.71	43	4107	4.021	ug/l	92
19) Methyl tert-butyl Ether	5.46	73	24804	5.005	ug/l	97
20) Methylene Chloride	4.96	84	24615	8.797	ug/l #	92
21) trans-1,2-Dichloroethene	5.48	96	13081	5.324	ug/l #	81
22) Diisopropyl ether	6.36	45	26123	4.153	ug/l	96
23) Vinyl Acetate	6.30	43	79643	21.461	ug/l	99
24) 1,1-Dichloroethane	6.26	63	19069	4.825	ug/l #	81
25) 2-Butanone	7.21	43	14082	23.814	ug/l	96
26) 2,2-Dichloropropane	7.21	77	21632	5.895	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	13127	5.075	ug/l	97
28) Bromochloromethane	7.54	49	5970	4.313	ug/l #	96
29) Tetrahydrofuran	7.56	42	7148	19.808	ug/l	96
30) Chloroform	7.71	83	21907	5.176	ug/l	92
31) Cyclohexane	7.97	56	20672	5.520	ug/l #	76
32) 1,1,1-Trichloroethane	7.90	97	23575	5.868	ug/l	98
36) 1,1-Dichloropropene	8.10	75	17057	5.163	ug/l	98
37) Ethyl Acetate	7.30	43	5233	4.054	ug/l #	89
38) Carbon Tetrachloride	8.09	117	22154	5.822	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	20625	5.143	ug/l #	92
40) Benzene	8.35	78	44907	4.910	ug/l #	89
41) Methacrylonitrile	7.53	41	3707	4.799	ug/l #	18
42) 1,2-Dichloroethane	8.43	62	15911	5.745	ug/l	99
43) Isopropyl Acetate	8.44	43	11338	4.453	ug/l #	80
44) Trichloroethene	9.10	130	14768	5.314	ug/l	86
45) 1,2-Dichloropropane	9.38	63	10170	4.596	ug/l	89
46) Dibromomethane	9.47	93	6247	5.055	ug/l	95
47) Bromodichloromethane	9.66	83	16691	5.062	ug/l	99
48) Methyl methacrylate	9.44	41	6333	4.942	ug/l #	83
49) 1,4-Dioxane	9.46	88	1409	89.116	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	26962	20.807	ug/l	100
52) Toluene	10.40	92	28109	4.655	ug/l	92
53) t-1,3-Dichloropropene	10.62	75	16084	5.142	ug/l #	88
54) cis-1,3-Dichloropropene	10.09	75	17528	4.815	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	9051	5.121	ug/l #	83
56) Ethyl methacrylate	10.66	69	8883	4.208	ug/l	99
57) 1,3-Dichloropropane	10.94	76	14034	4.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	19190	20.486	ug/l	92
59) 2-Hexanone	10.98	43	18355	20.090	ug/l	100
60) Dibromochloromethane	11.14	129	12855	5.220	ug/l	98
61) 1,2-Dibromoethane	11.24	107	8477	4.999	ug/l	100
64) Tetrachloroethene	10.87	164	13386	5.462	ug/l	93
65) Chlorobenzene	11.67	112	33735	5.209	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	14183	5.579	ug/l	97
67) Ethyl Benzene	11.74	91	56668	5.030	ug/l	92
68) m/p-Xylenes	11.86	106	44006	10.130	ug/l	97
69) o-Xylene	12.18	106	19648	4.980	ug/l	97
70) Styrene	12.20	104	34136	4.942	ug/l	96
71) Bromoform	12.36	173	7967	5.317	ug/l #	94
73) Isopropylbenzene	12.48	105	56755	5.082	ug/l	99
74) N-amyl acetate	12.28	43	9756	4.089	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	8519	4.575	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	7293m	5.311	ug/l	
77) Bromobenzene	12.77	156	15232	5.296	ug/l	97
78) n-propylbenzene	12.83	91	66580	5.142	ug/l	100
79) 2-Chlorotoluene	12.91	91	38250	5.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	48018	5.109	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	2828	4.561	ug/l	93
82) 4-Chlorotoluene	13.01	91	40283	5.149	ug/l	100
83) tert-Butylbenzene	13.23	119	43734	5.326	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	46617	4.987	ug/l	99
85) sec-Butylbenzene	13.41	105	53768	4.856	ug/l	98
86) p-Isopropyltoluene	13.52	119	53687	5.143	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	29423	5.451	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	28316	5.275	ug/l	91
89) n-Butylbenzene	13.84	91	48113	5.161	ug/l	98
90) Hexachloroethane	14.11	117	10899	5.246	ug/l	91
91) 1,2-Dichlorobenzene	13.90	146	22853	4.813	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1972	6.000	ug/l	74

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MSVOA_D
ClientSampleId :
VSTDICC005

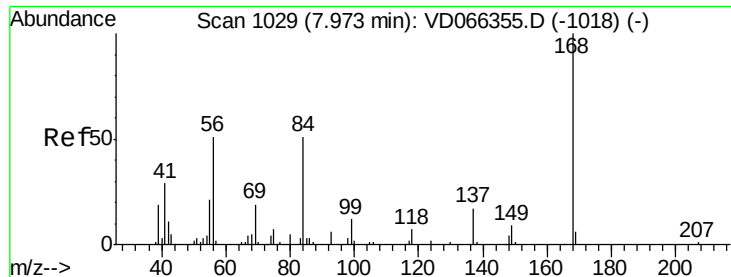
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	18443	5.223	ug/l	99
94) Hexachlorobutadiene	15.27	225	11598	5.508	ug/l	95
95) Naphthalene	15.41	128	27860	4.880	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	15117	4.865	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 243731

Ion Ratio Lower Upper

168 100

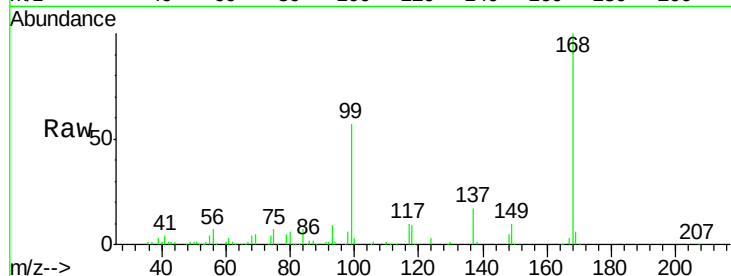
99 56.4 45.4 68.0

Manual Integrations

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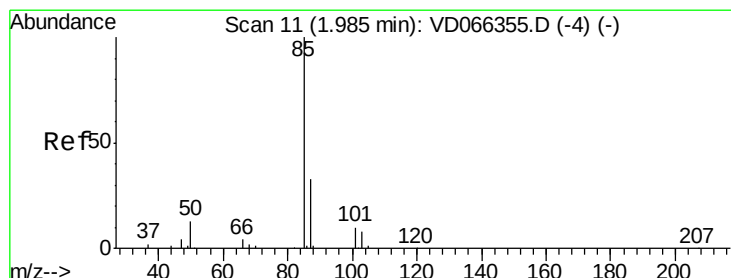
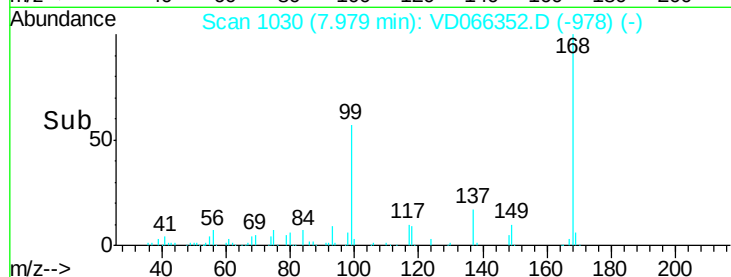
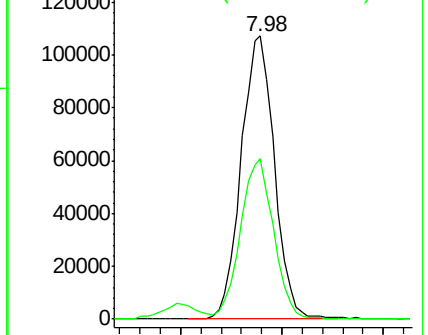
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.232 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066352.D

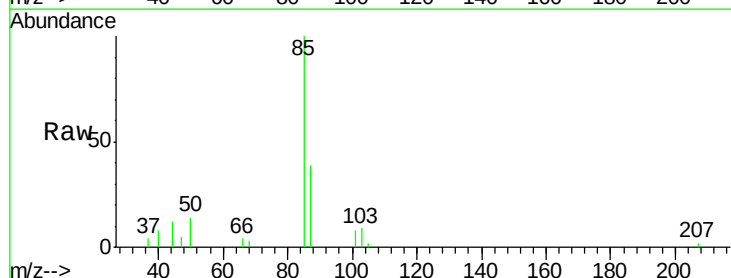
Acq: 21 Aug 2020 10:58

Tgt Ion: 85 Resp: 11274

Ion Ratio Lower Upper

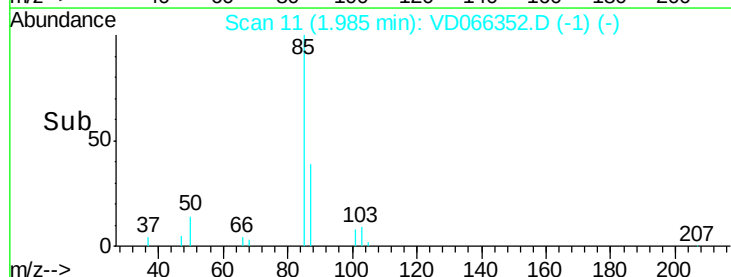
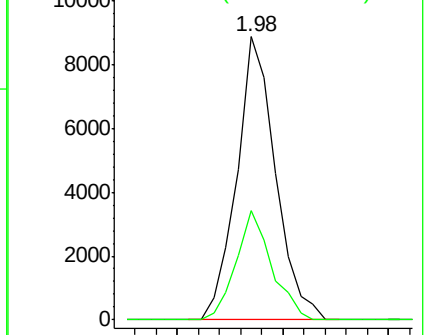
85 100

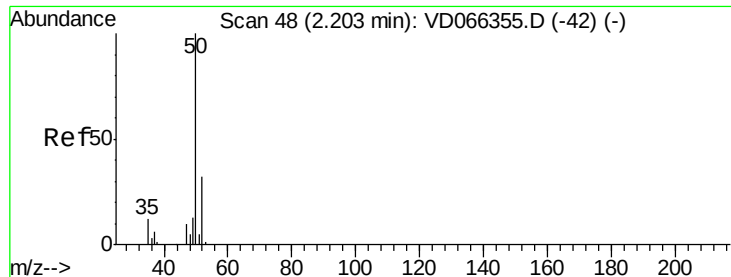
87 38.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 4.888 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8090

Ion Ratio Lower Upper

50 100

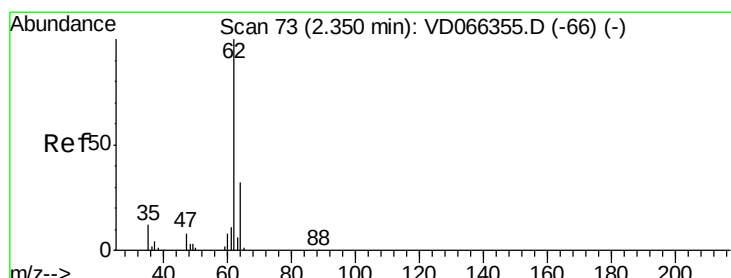
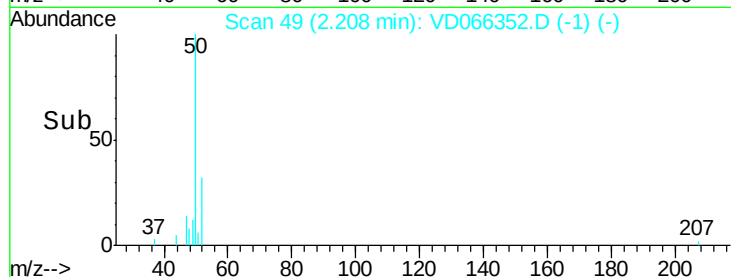
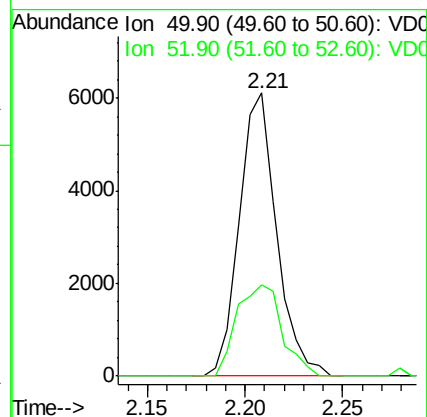
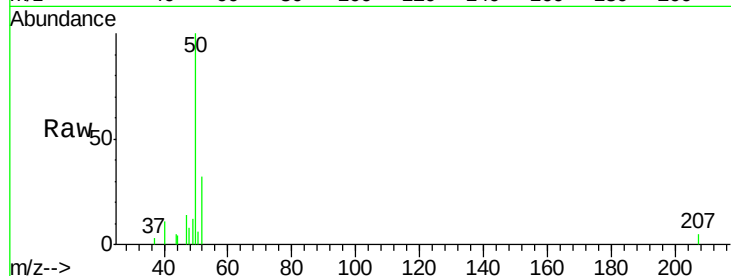
52 32.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.863 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066352.D

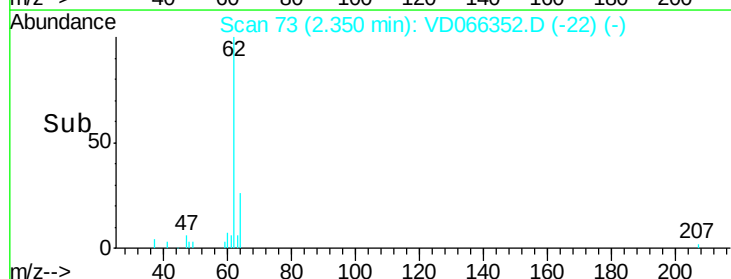
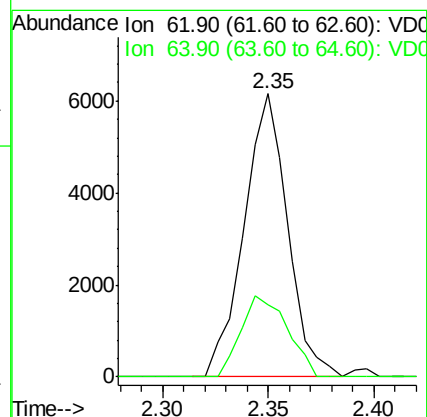
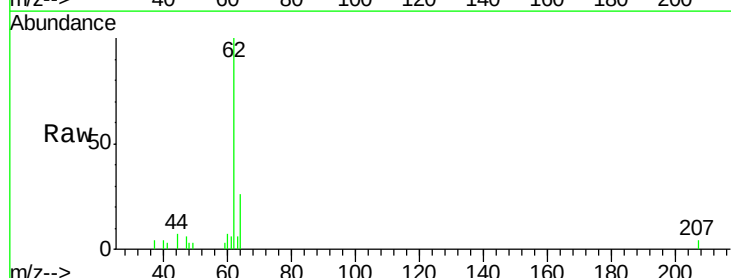
Acq: 21 Aug 2020 10:58

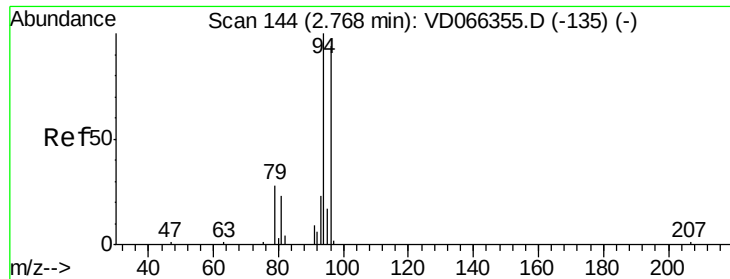
Tgt Ion: 62 Resp: 8824

Ion Ratio Lower Upper

62 100

64 25.5 25.4 38.2





#5

Bromomethane

Concen: 6.650 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6724

Ion Ratio Lower Upper

94 100

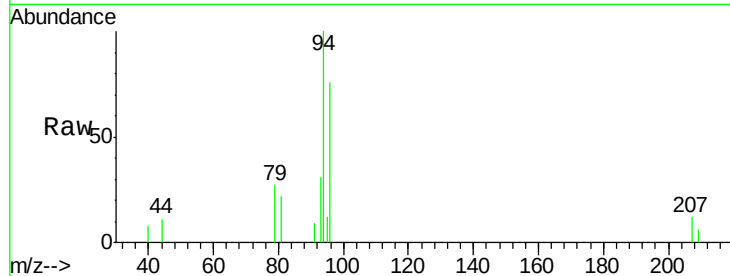
96 76.3 75.0 112.4

Manual Integrations

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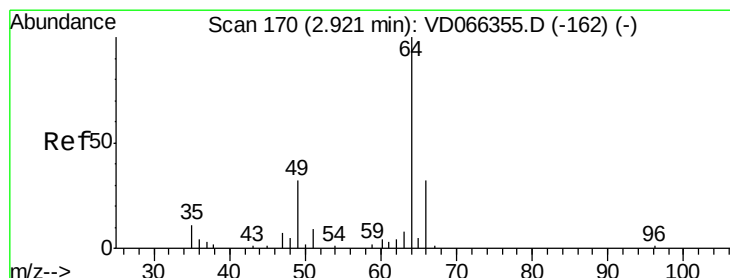
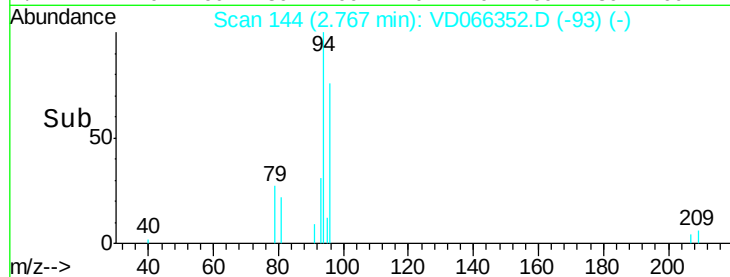
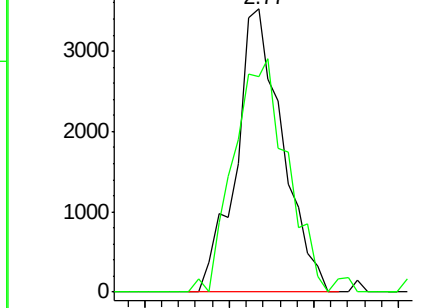
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.775 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066352.D

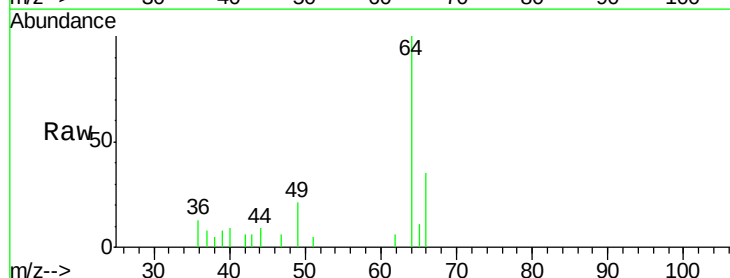
Acq: 21 Aug 2020 10:58

Tgt Ion: 64 Resp: 5379

Ion Ratio Lower Upper

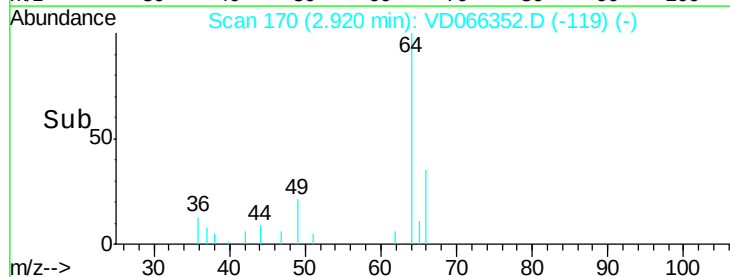
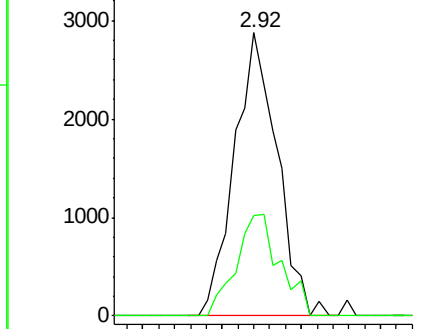
64 100

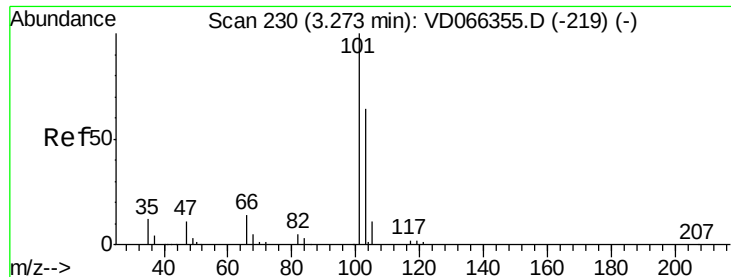
66 35.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

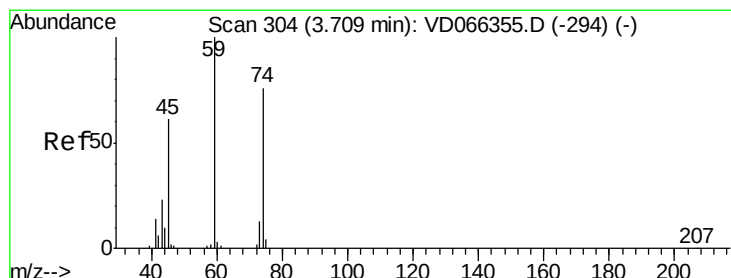
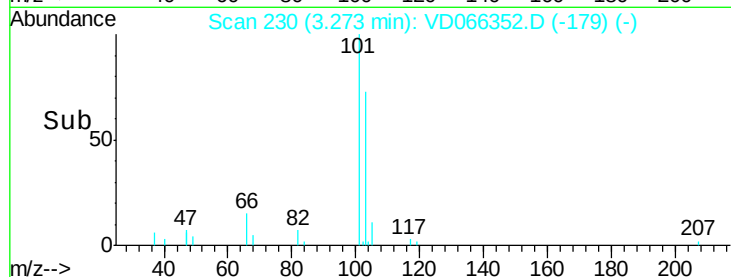
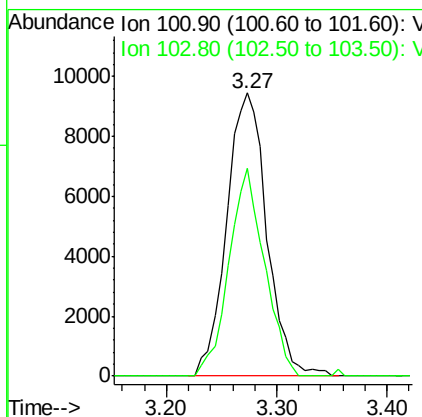
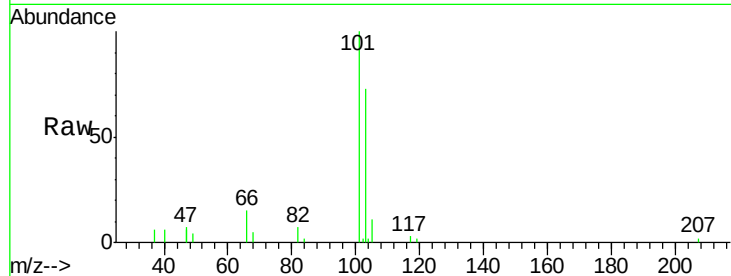
Trichlorofluoromethane
 Concen: 6.088 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066352.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	73.2	51.4	77.0

Manual Integrations
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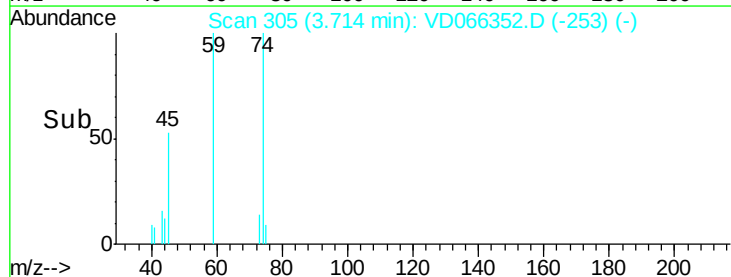
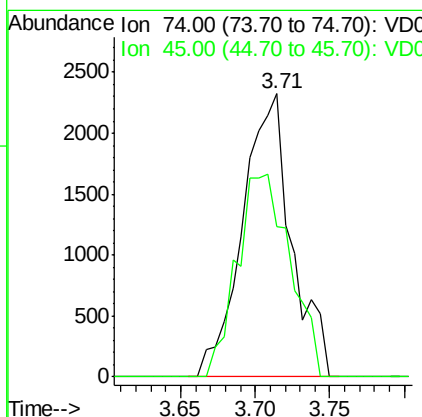
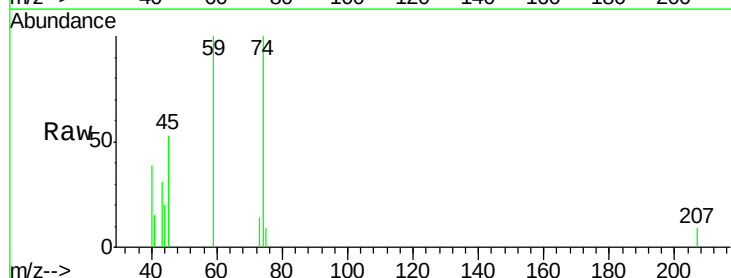
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 8/24/2020 4:36:29 PM

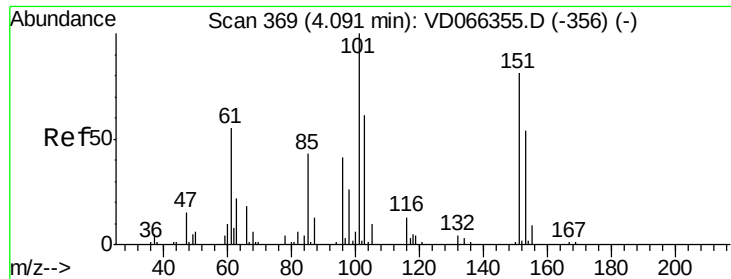


#8

Diethyl Ether
 Concen: 4.939 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.8	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.167 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

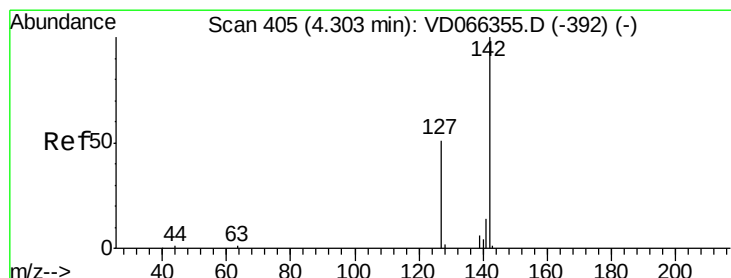
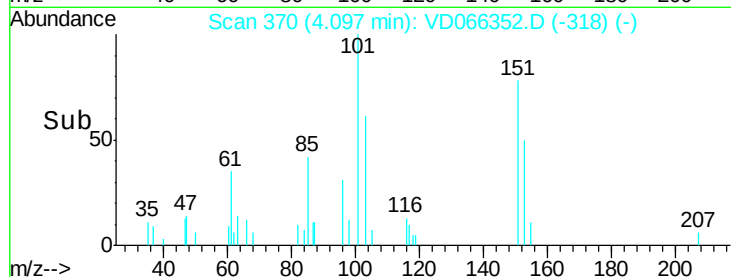
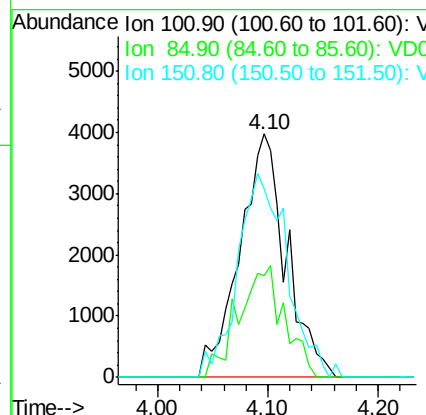
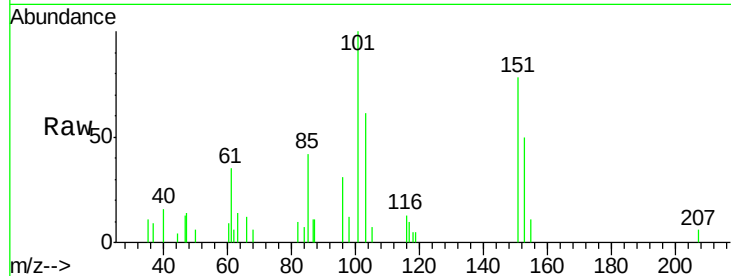
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	11697
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.4	54.6
151	89.2	70.5	105.7

Manual Integrations
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#10

Methyl Iodide

Concen: 6.026 ug/l

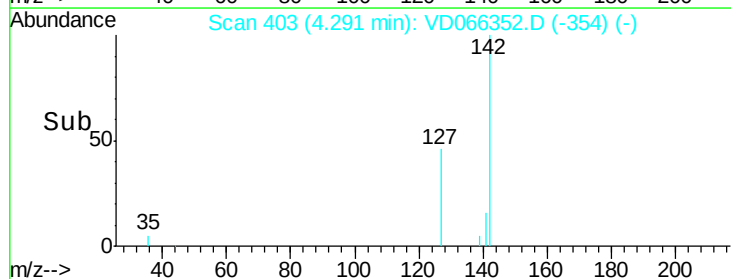
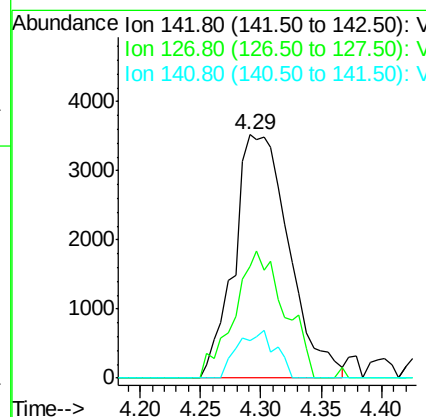
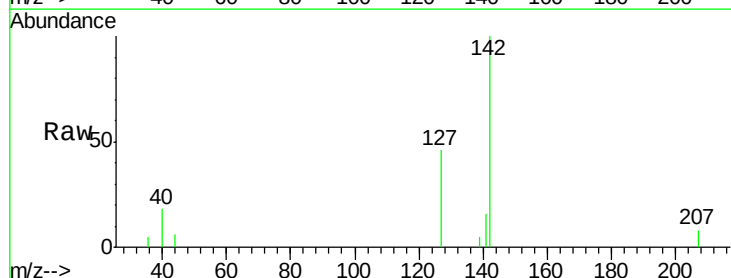
RT: 4.29 min Scan# 403

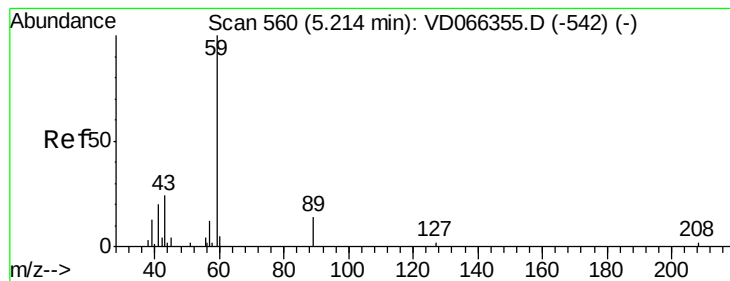
Delta R.T. -0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Tgt Ion:	142	Resp:	11137
Ion Ratio	Lower	Upper	
142	100		
127	47.8	41.8	62.8
141	13.5	11.8	17.6





#11

Tert butyl alcohol

Concen: 34.156 ug/l m

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 7486

Ion Ratio Lower Upper

59 100

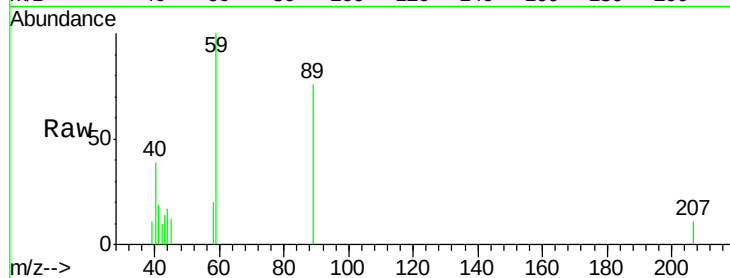
57 0.0 9.0 13.4#

Manual Integrations

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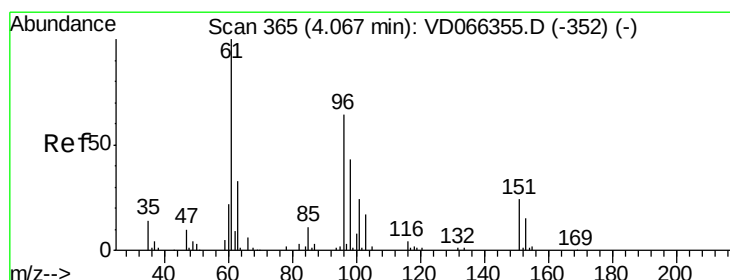
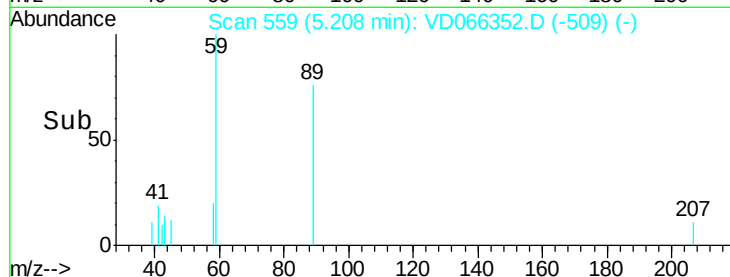
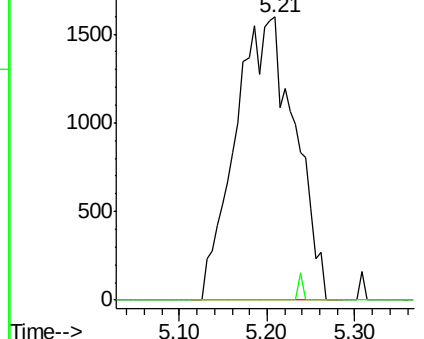
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 4.994 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

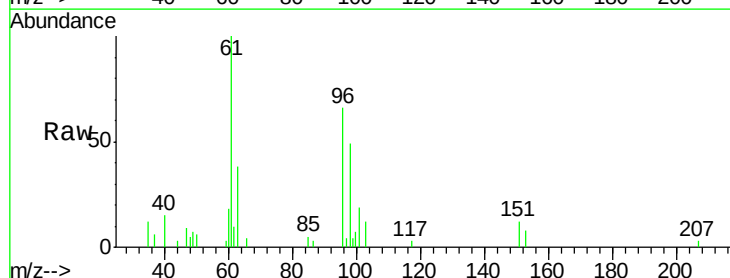
Tgt Ion: 96 Resp: 10698

Ion Ratio Lower Upper

96 100

61 152.1 124.3 186.5

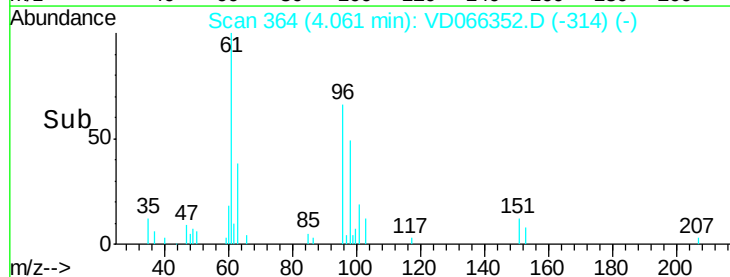
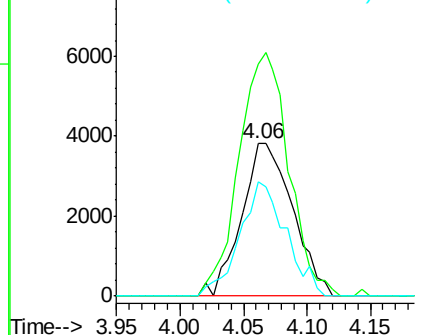
98 75.3 53.2 79.8

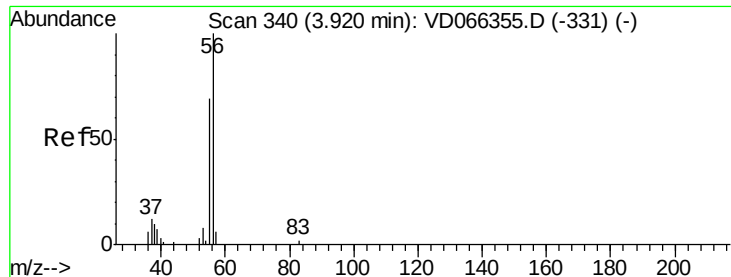


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 16.671 ug/l m

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2741

Ion Ratio Lower Upper

56 100

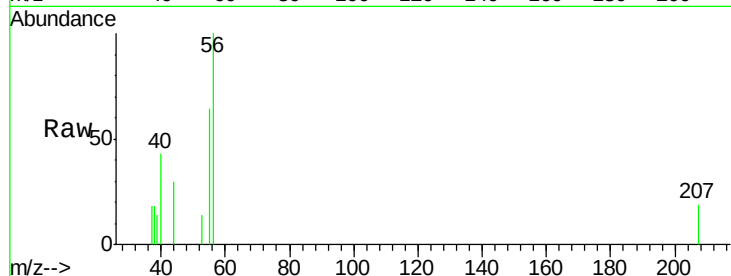
55 83.2 55.5 83.3

Manual Integrations

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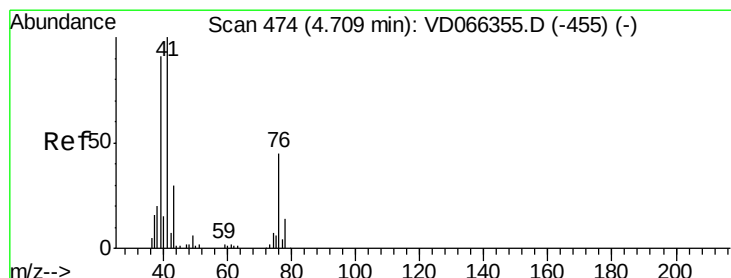
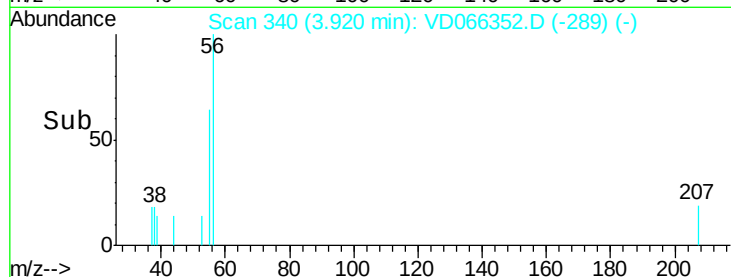
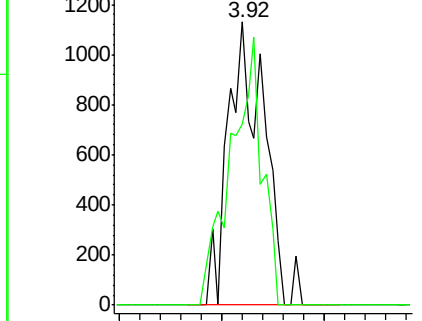
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.185 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

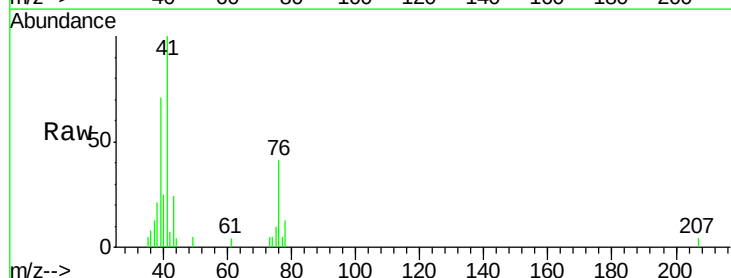
Tgt Ion: 41 Resp: 13314

Ion Ratio Lower Upper

41 100

39 93.8 72.8 109.2

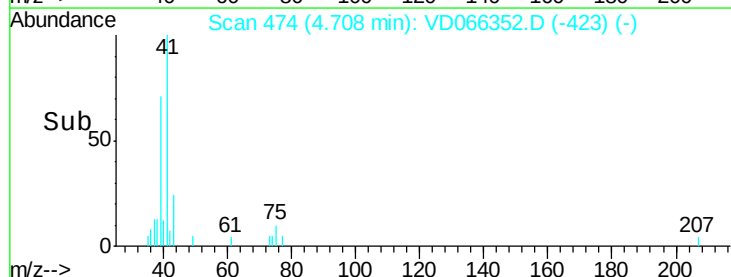
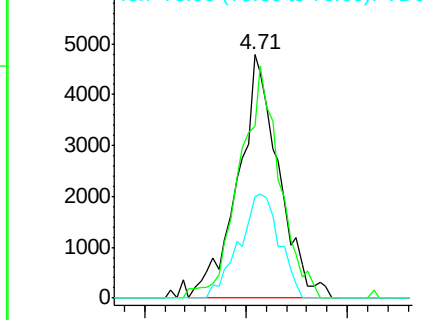
76 42.1 34.0 51.0

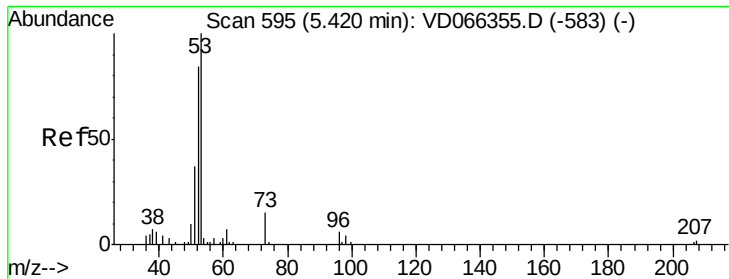


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 22.630 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

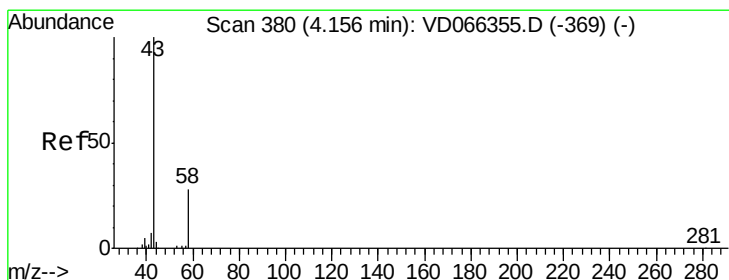
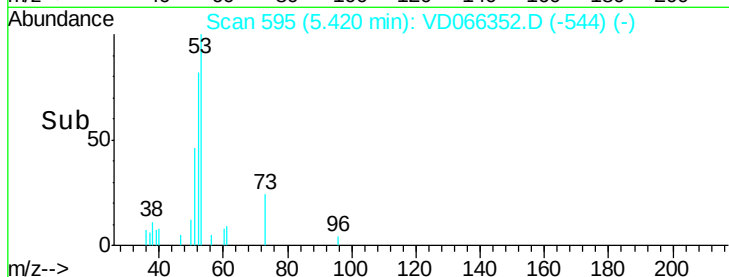
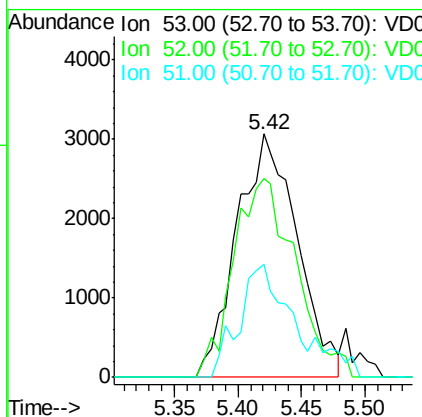
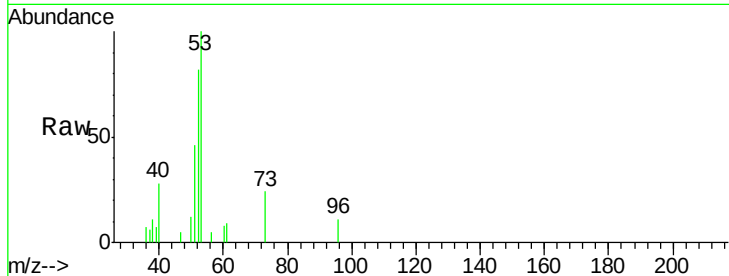
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10134
Ion	Ratio	Lower	Upper
53	100		
52	83.9	68.1	102.1
51	36.8	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 31.136 ug/l

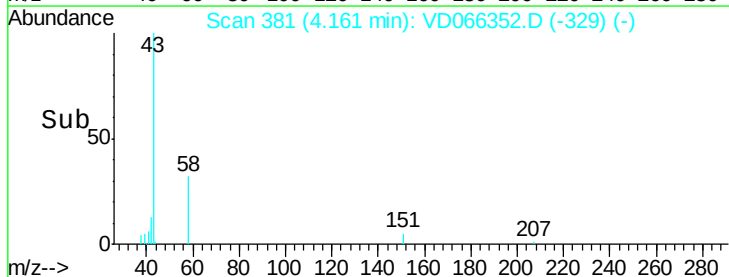
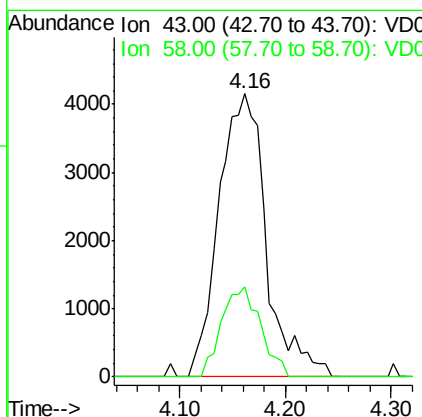
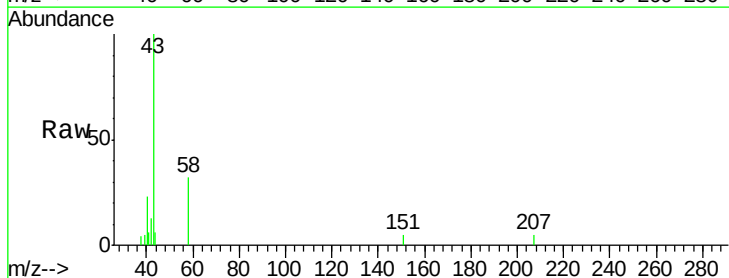
RT: 4.16 min Scan# 381

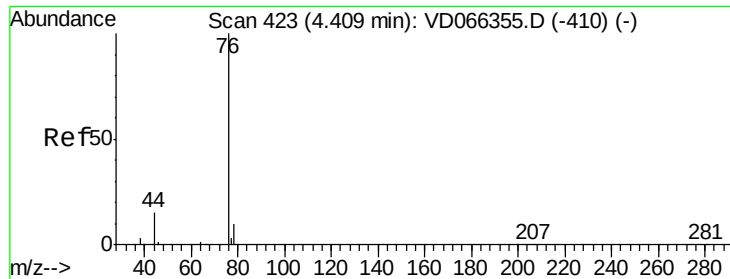
Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Tgt Ion:	43	Resp:	12885
Ion	Ratio	Lower	Upper
43	100		
58	31.8	22.7	34.1





#17

Carbon Disulfide

Concen: 4.651 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 31485

Ion Ratio Lower Upper

76 100

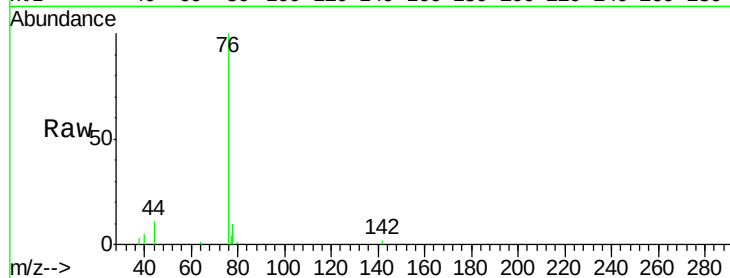
78 10.5 7.7 11.5

Manual Integrations

APPROVED

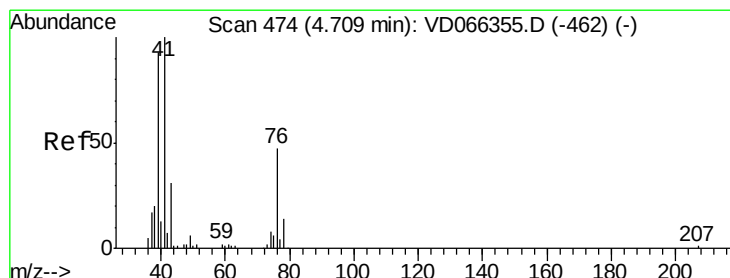
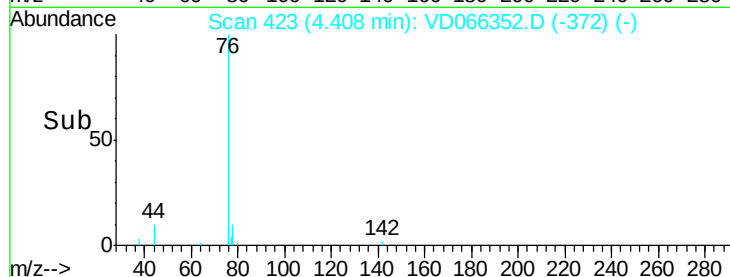
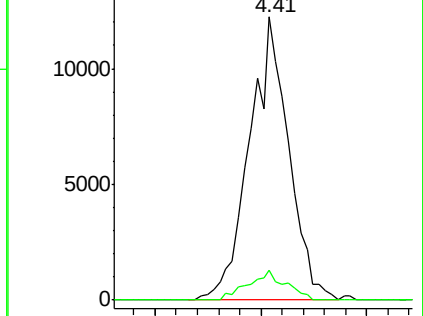
MMDadoda

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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: 4.021 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066352.D

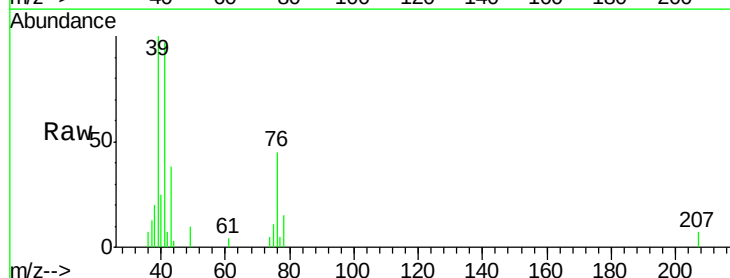
Acq: 21 Aug 2020 10:58

Tgt Ion: 43 Resp: 4107

Ion Ratio Lower Upper

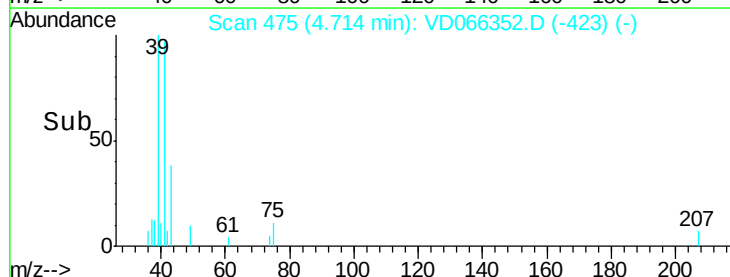
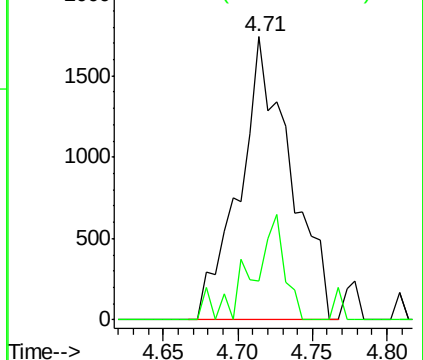
43 100

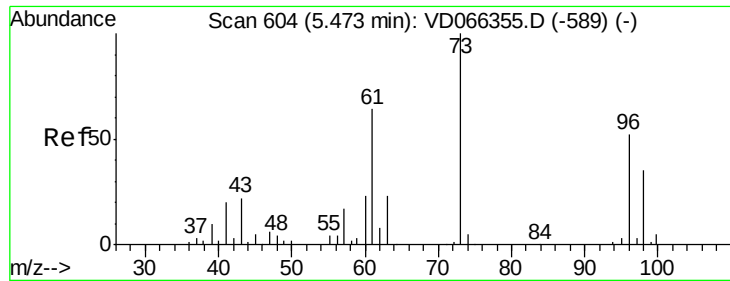
74 22.2 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





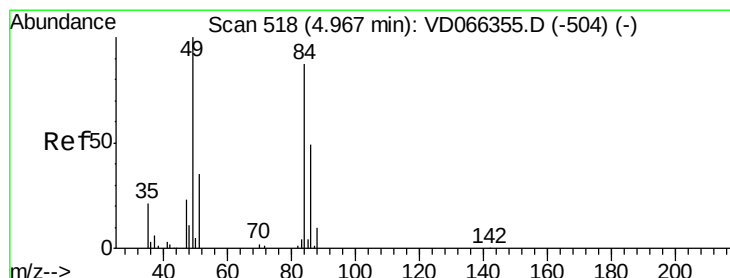
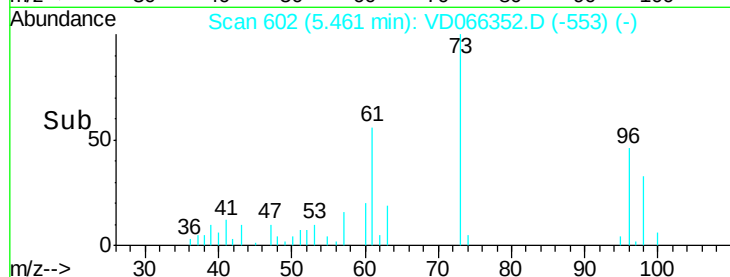
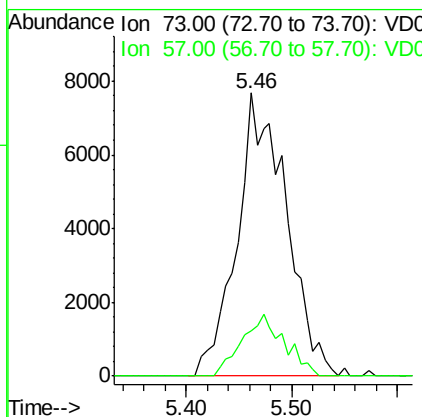
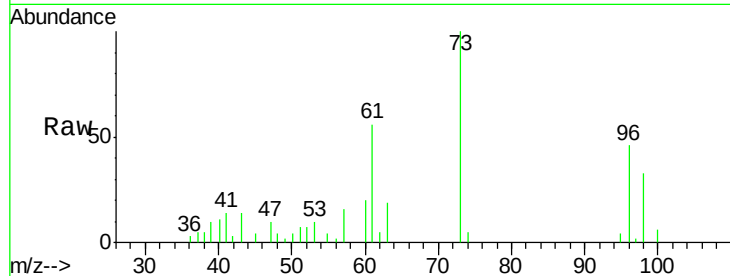
#19
Methyl tert-butyl Ether
Concen: 5.005 ug/l
RT: 5.46 min Scan# 602
Delta R.T. -0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 24804
Ion Ratio Lower Upper
73 100
57 16.1 13.8 20.6

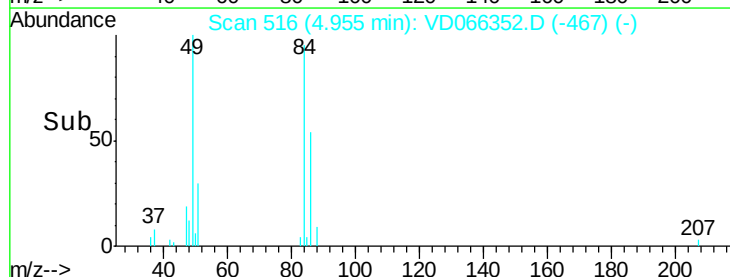
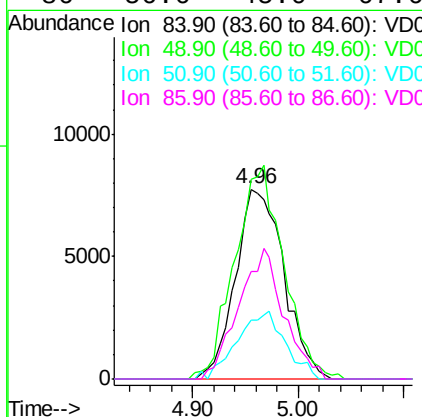
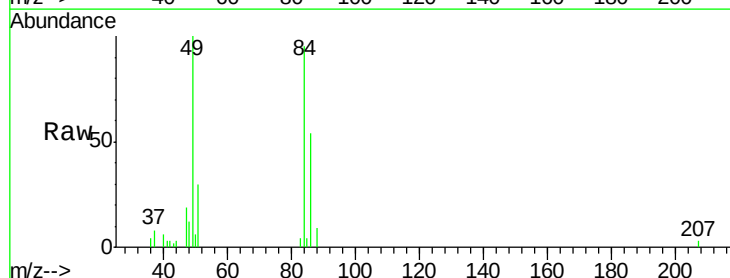
Manual Integrations
APPROVED

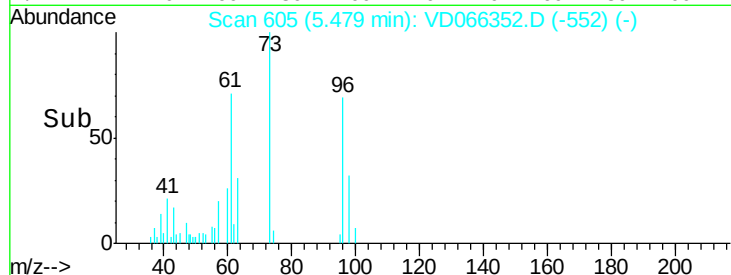
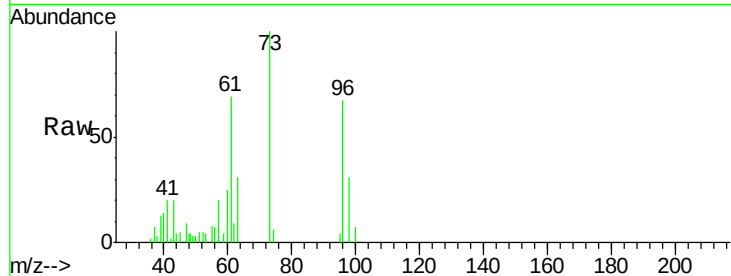
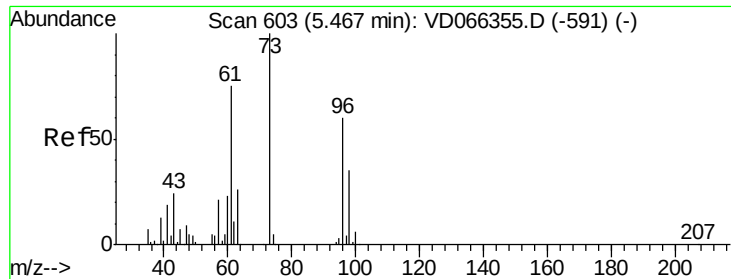
MMDadoda
8/24/2020 4:36:29 PM



#20
Methylene Chloride
Concen: 8.797 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion: 84 Resp: 24615
Ion Ratio Lower Upper
84 100
49 105.0 92.5 138.7
51 31.0 32.5 48.7#
86 56.6 45.0 67.6





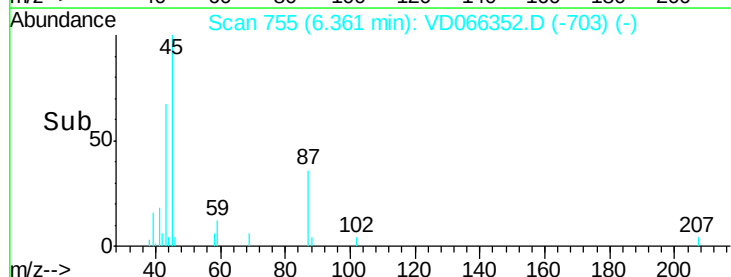
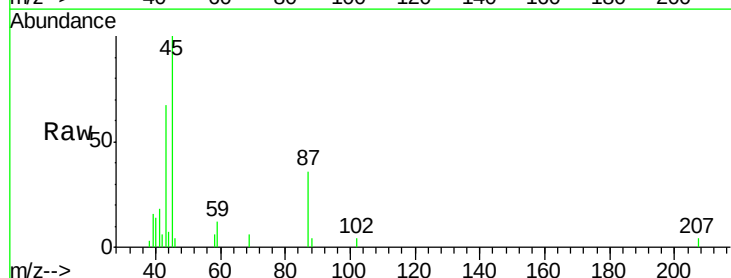
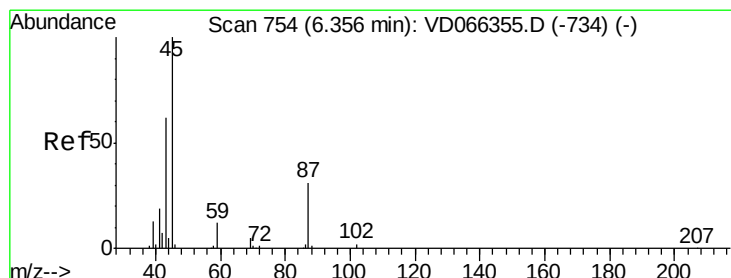
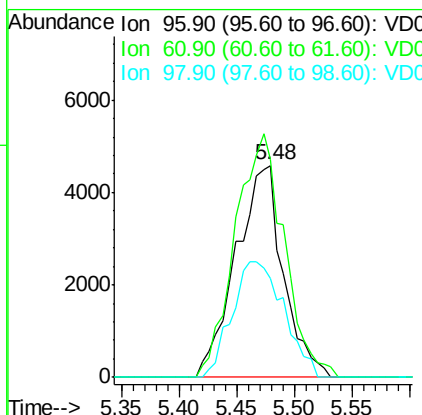
#21
trans-1,2-Dichloroethene
Concen: 5.324 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tot Ion	Ratio	Lower	Upper
96	100		
61	102.9	101.1	151.7
98	46.9	47.0	70.6#

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

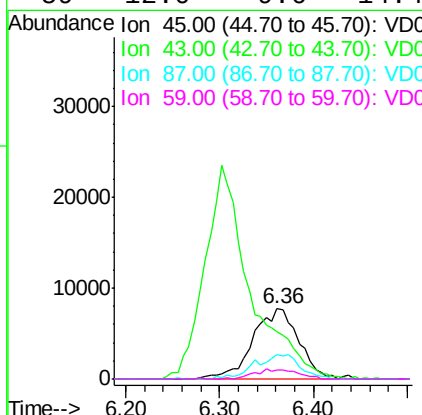
Manual Integrations
APPROVED

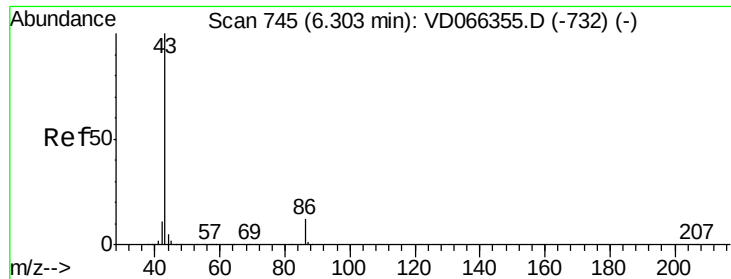
MMDadoda
8/24/2020 4:36:29 PM



#22
Diisopropyl ether
Concen: 4.153 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	49.8	74.8
87	35.6	25.0	37.6
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 21.461 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 79643

Ion Ratio Lower Upper

43 100

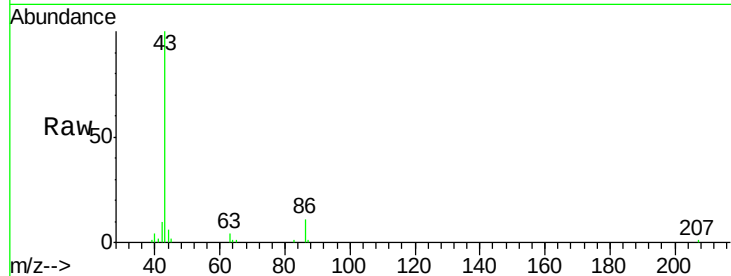
86 11.2 9.4 14.0

Manual Integrations

APPROVED

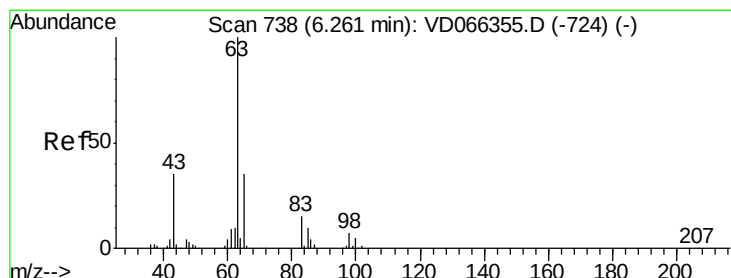
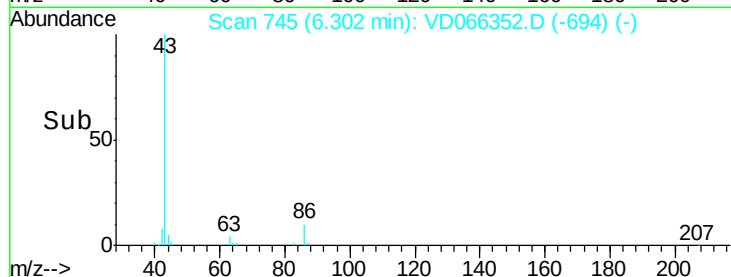
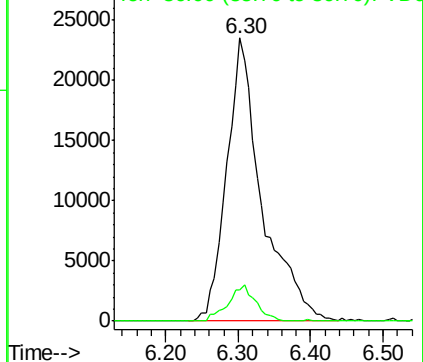
MMDadoda

8/24/2020 4:36:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.825 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

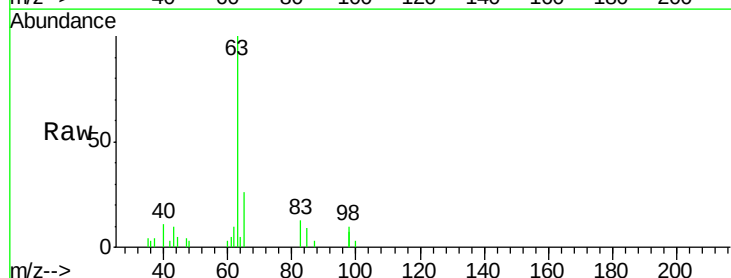
Tgt Ion: 63 Resp: 19069

Ion Ratio Lower Upper

63 100

98 16.4 3.5 10.6#

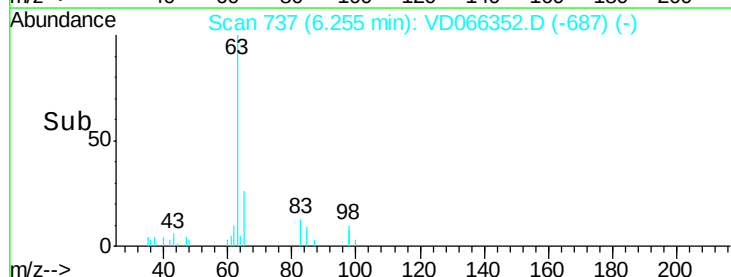
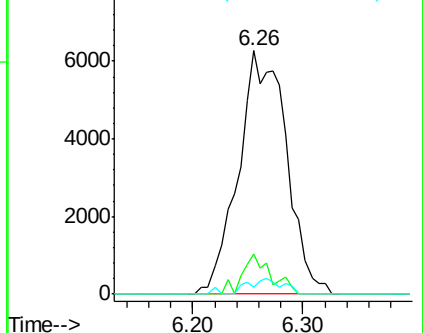
100 2.9 2.5 7.6

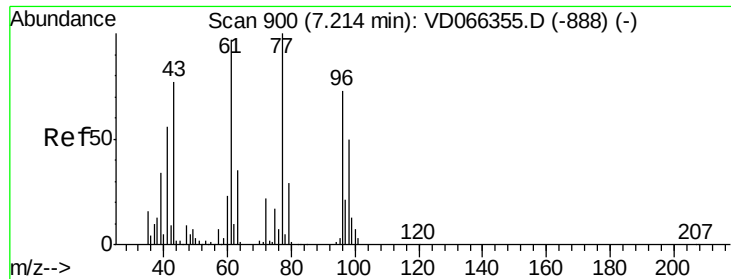


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 23.814 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 14082

Ion Ratio Lower Upper

43 100

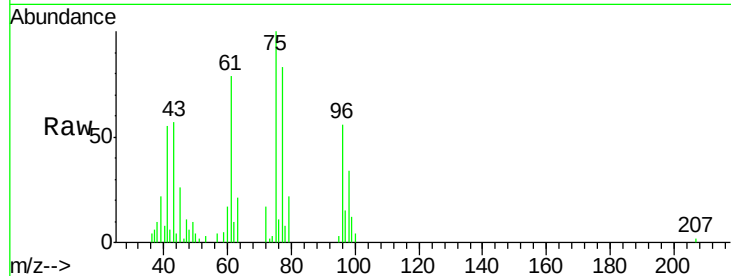
72 30.2 22.5 33.7

Manual Integrations

APPROVED

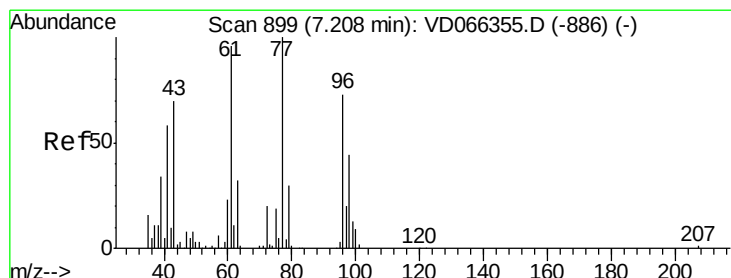
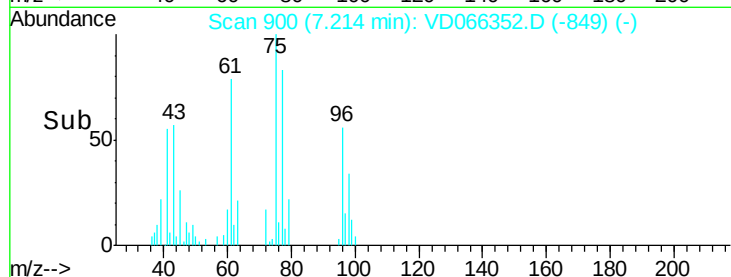
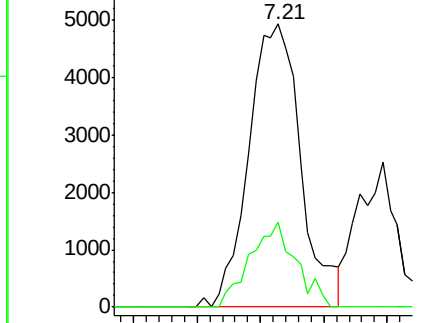
MMDadoda

8/24/2020 4:36:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.895 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066352.D

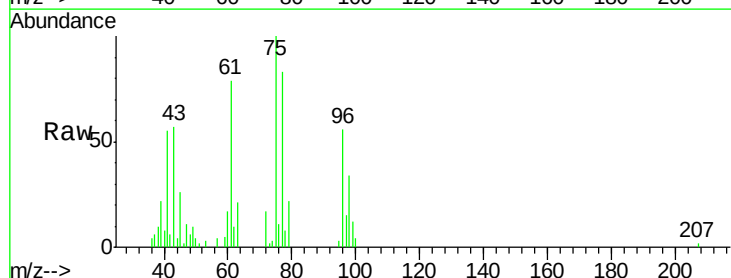
Acq: 21 Aug 2020 10:58

Tgt Ion: 77 Resp: 21632

Ion Ratio Lower Upper

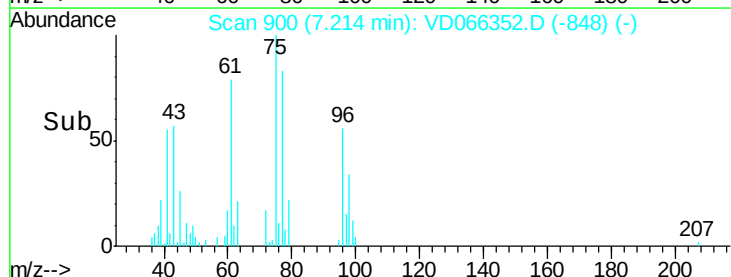
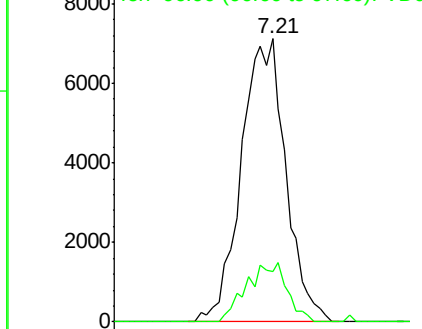
77 100

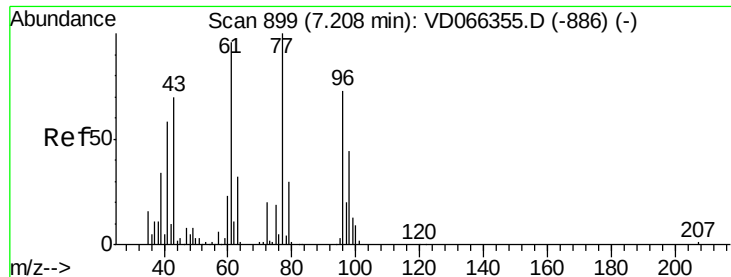
97 18.9 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

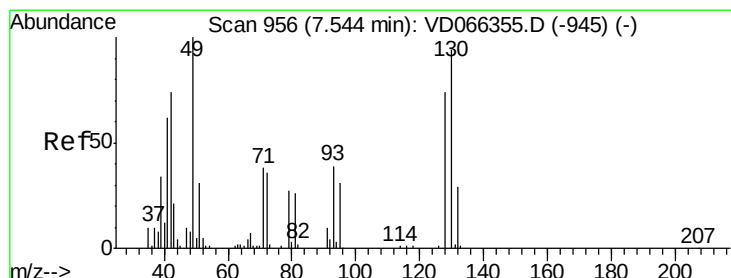
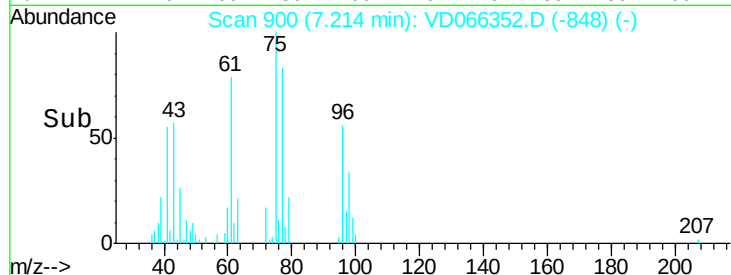
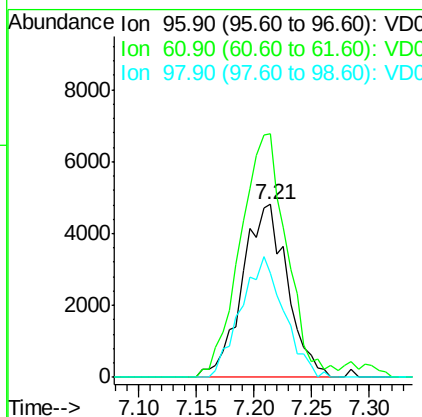
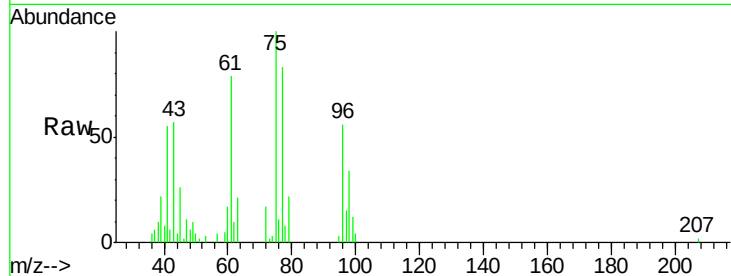
cis-1,2-Dichloroethene
Concen: 5.075 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.1	0.0	281.4	
98	66.4	0.0	132.2	

Manual Integrations
APPROVED

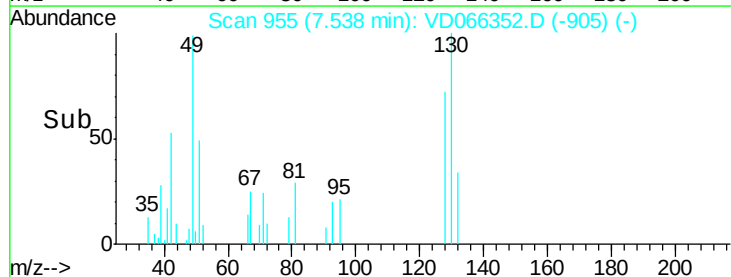
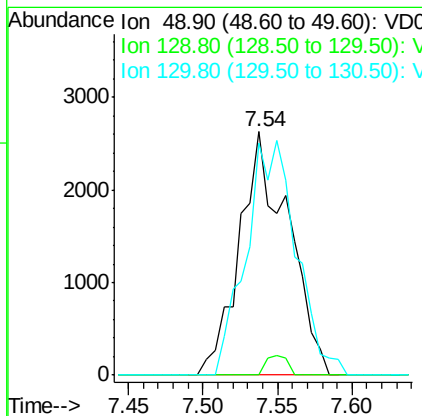
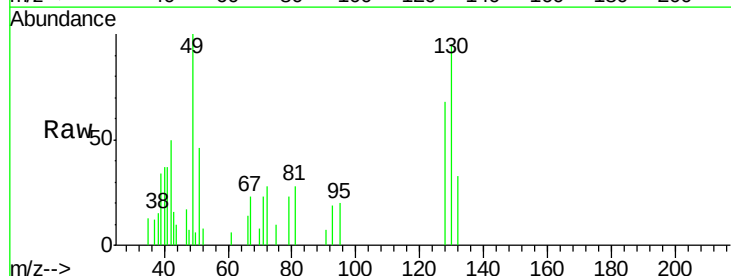
MMDadoda
8/24/2020 4:36:29 PM

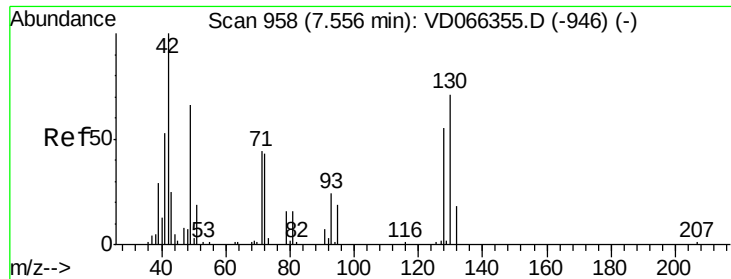


#28

Bromochloromethane
Concen: 4.313 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.4	0.0	3.0#	
130	98.9	82.6	124.0	





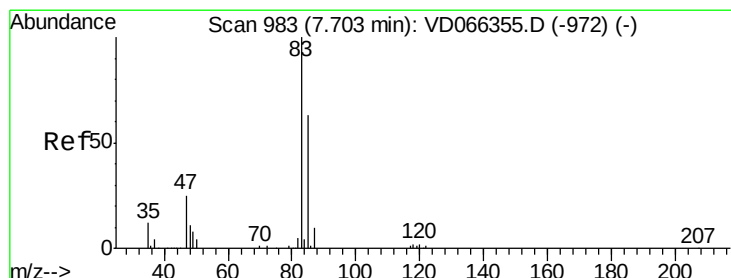
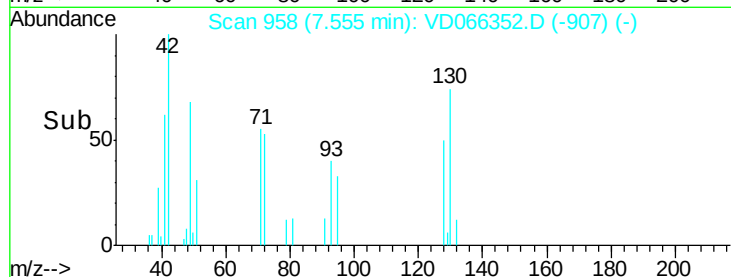
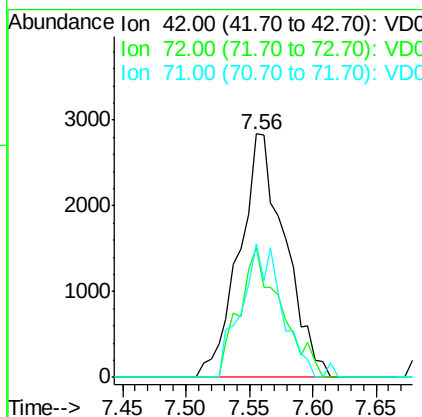
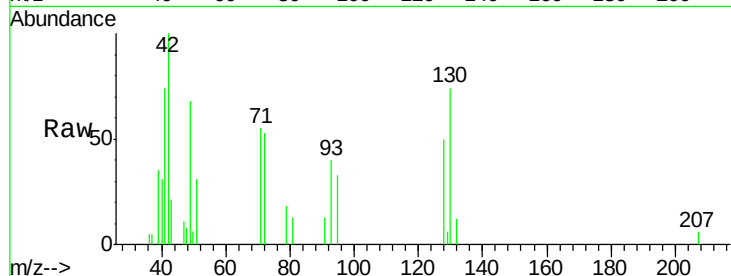
#29
Tetrahydrofuran
Concen: 19.808 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	41.0	61.4
71	48.3	37.2	55.8

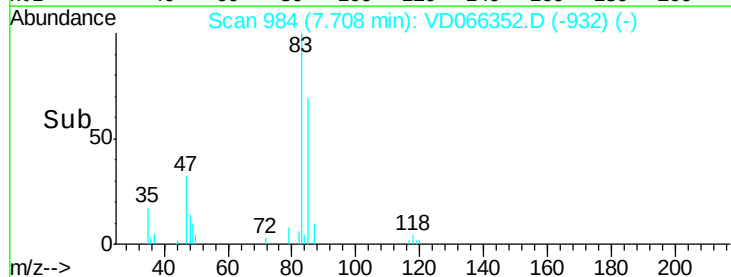
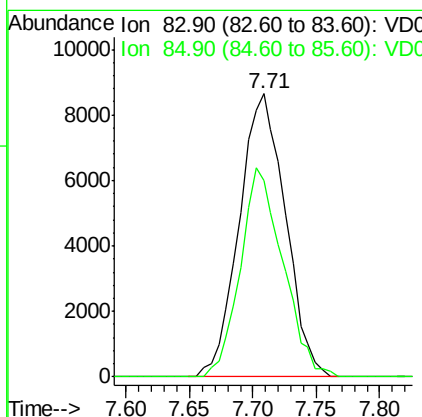
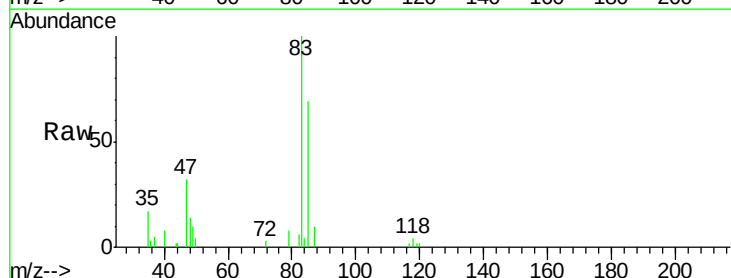
Manual Integrations
APPROVED

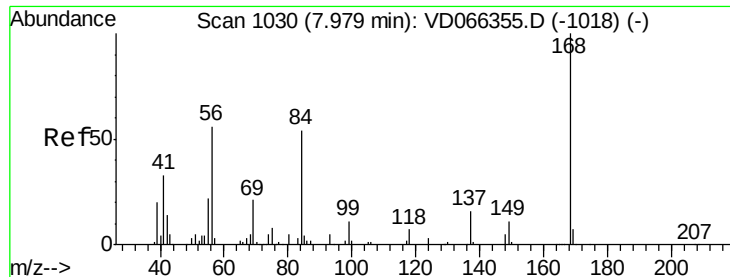
MMDadoda
8/24/2020 4:36:29 PM



#30
Chloroform
Concen: 5.176 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.3	50.3	75.5





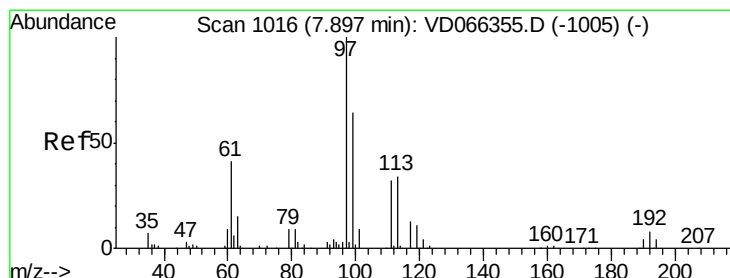
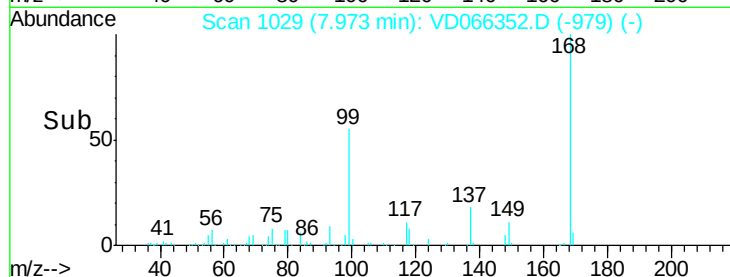
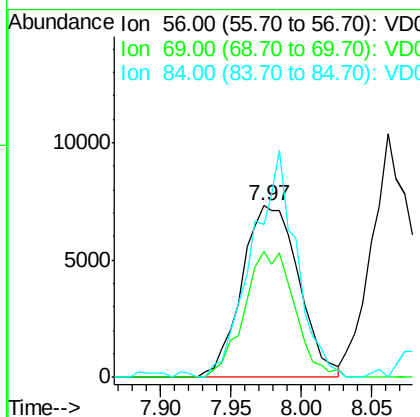
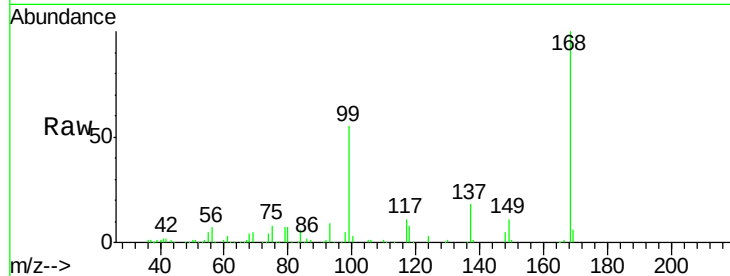
#31
Cyclohexane
Concen: 5.520 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	73.6	29.6	44.4#
84	86.3	76.6	115.0

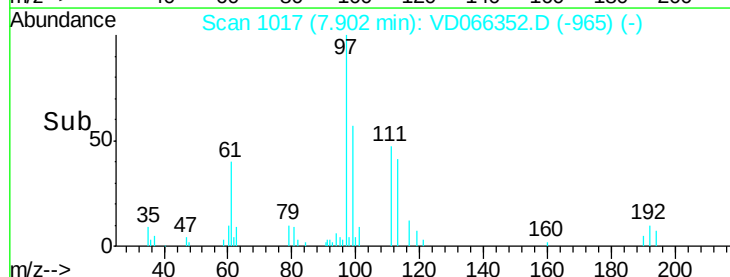
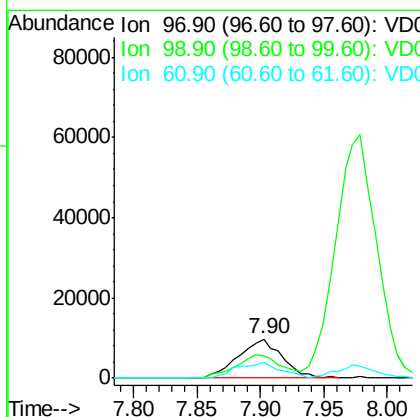
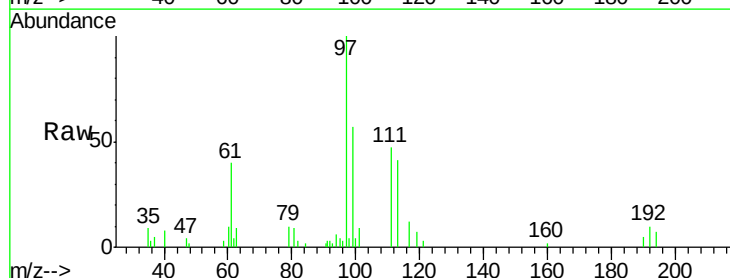
Manual Integrations
APPROVED

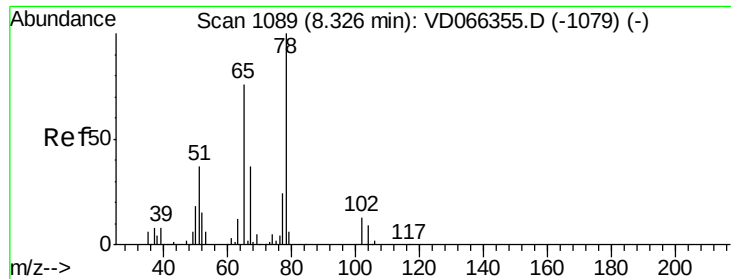
MMDadoda
8/24/2020 4:36:29 PM



#32
1,1,1-Trichloroethane
Concen: 5.868 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.5	77.3
61	41.3	33.3	49.9





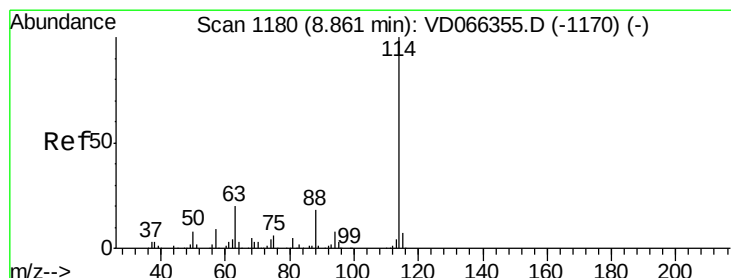
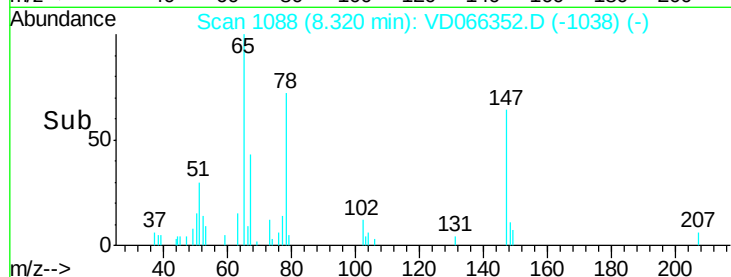
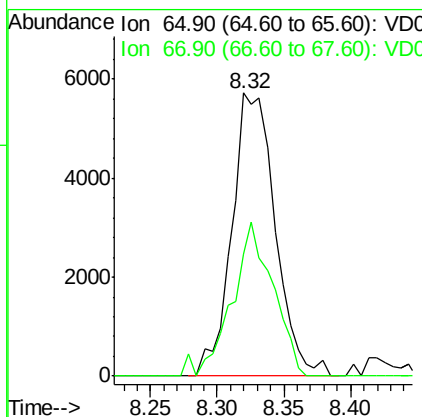
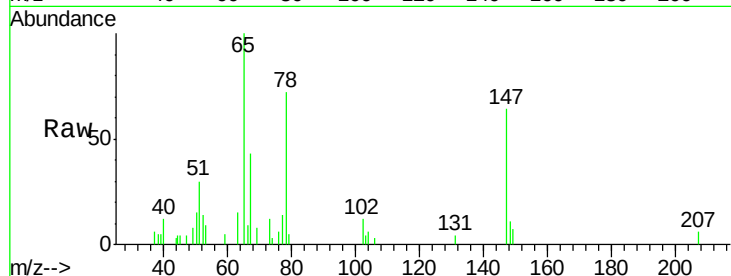
#33
 1,2-Dichloroethane-d4
 Concen: 5.822 ug/l
 RT: 8.32 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.7	0.0	101.6	

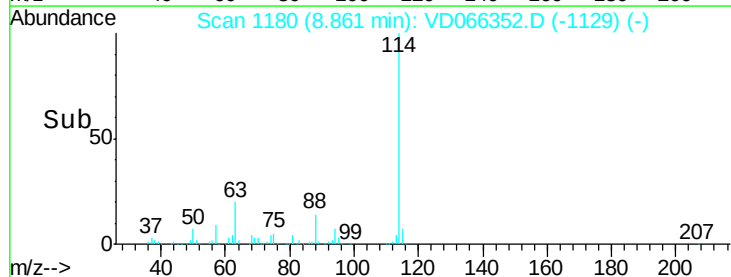
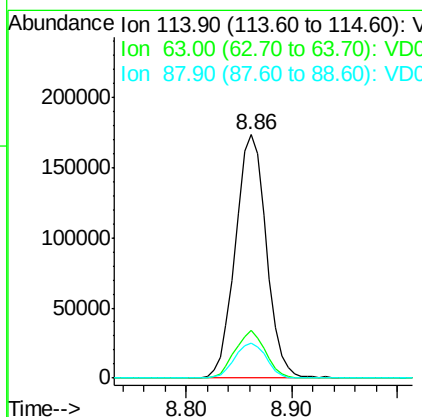
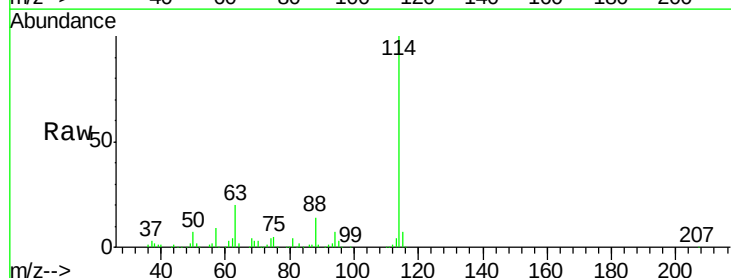
Manual Integrations
 APPROVED

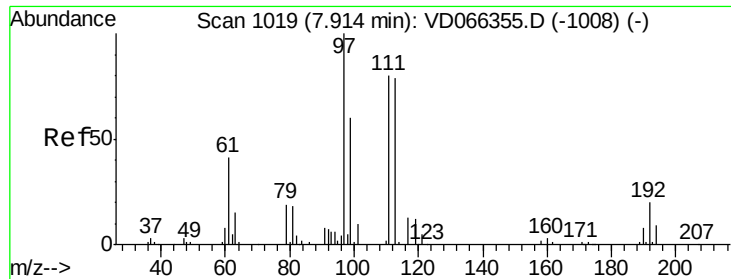
MMDadoda
 8/24/2020 4:36:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	40.8	
88	14.2	0.0	35.4	





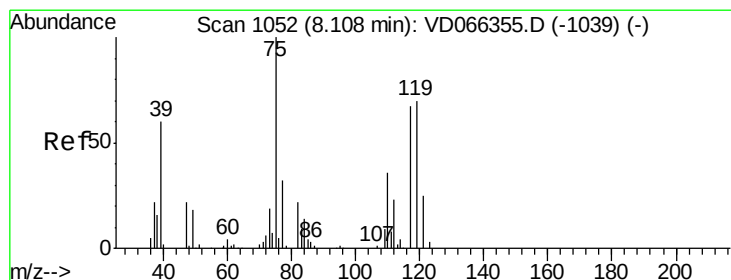
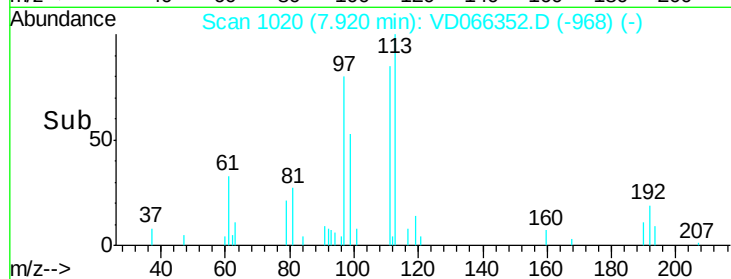
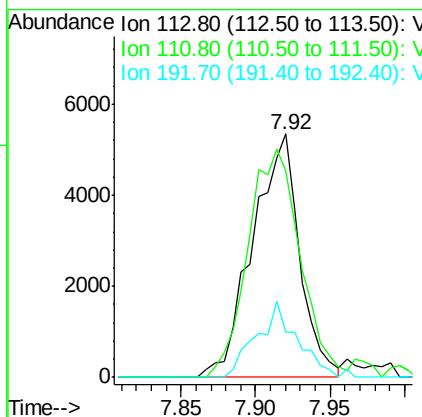
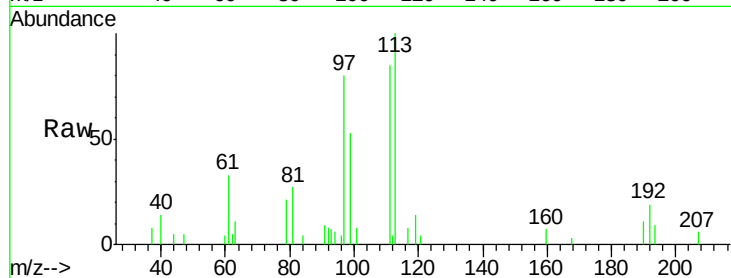
#35
 Dibromofluoromethane
 Concen: 5.252 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.3	120.5
192	27.1	19.0	28.6

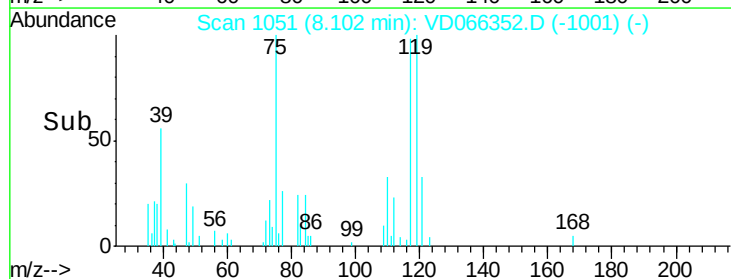
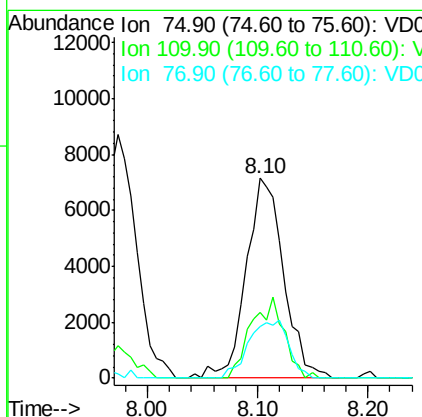
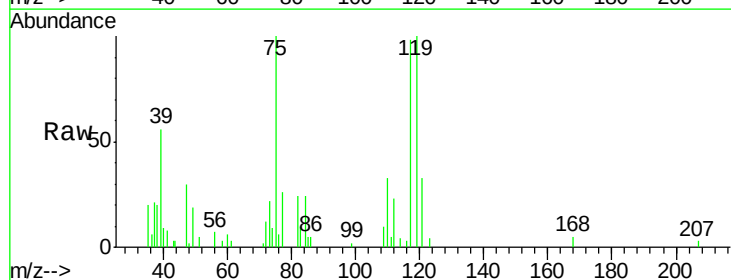
Manual Integrations
 APPROVED

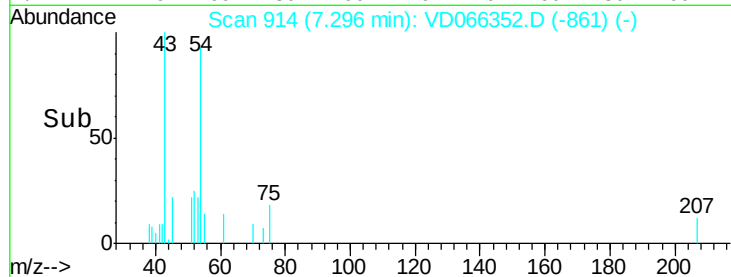
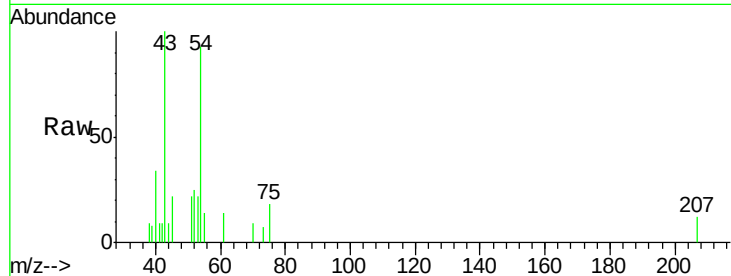
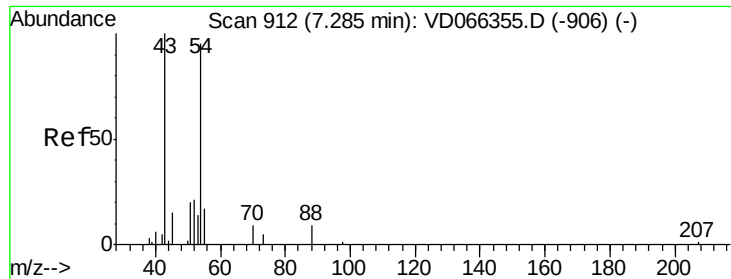
MMDadoda
 8/24/2020 4:36:29 PM



#36
 1,1-Dichloropropene
 Concen: 5.163 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.7	56.1
77	30.7	25.2	37.8





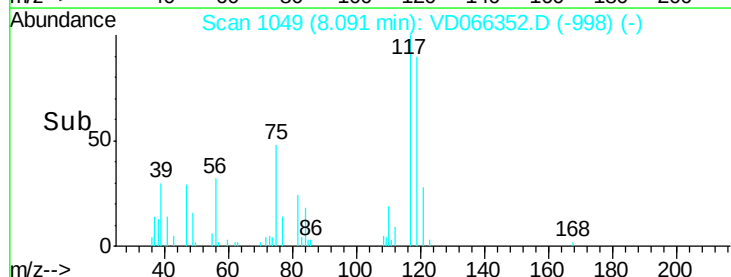
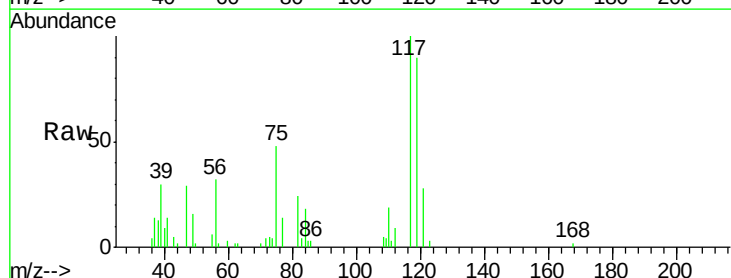
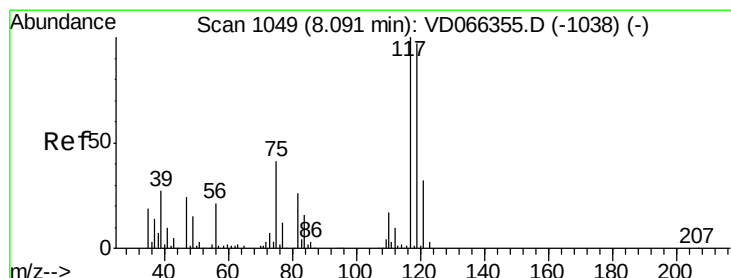
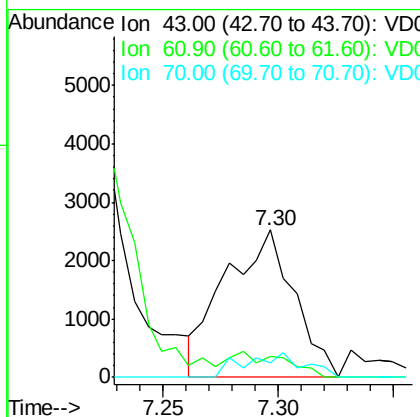
#37
Ethyl Acetate
Concen: 4.054 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	13.3	19.9
70	13.8	3.5	5.3#

Instrument :
MSVOA_D
ClientSampled :
VSTDIC005

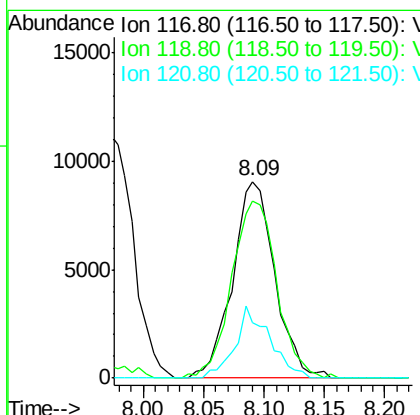
Manual Integrations
APPROVED

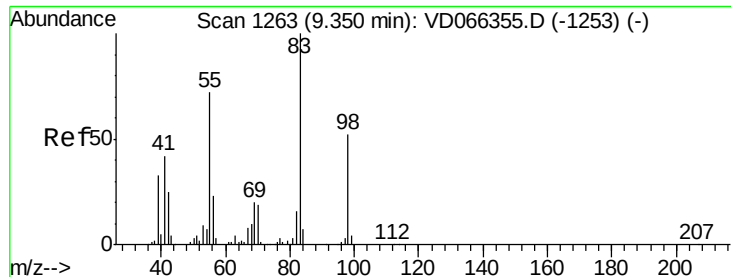
MMDadoda
8/24/2020 4:36:29 PM



#38
Carbon Tetrachloride
Concen: 5.822 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	77.2	115.8
121	28.0	25.8	38.8





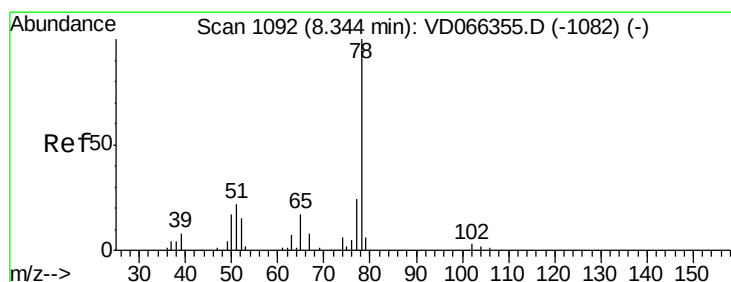
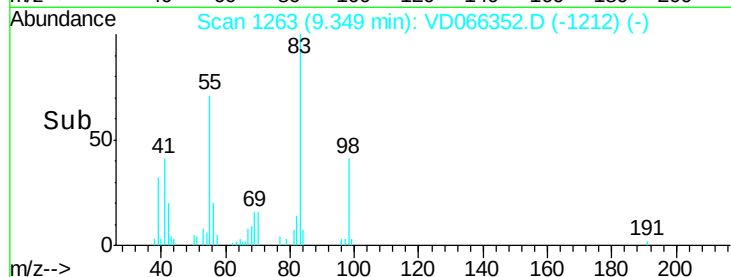
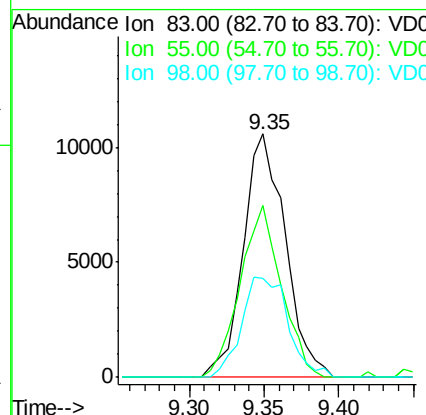
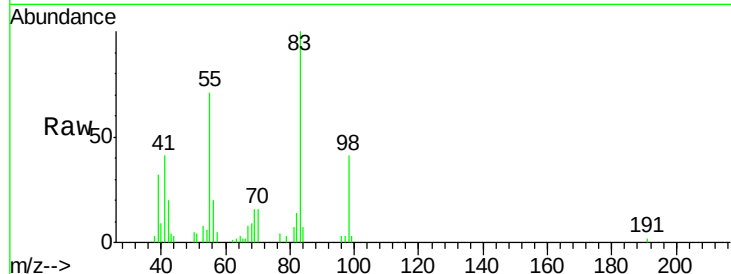
#39
Methylvlcyclohexane
Concen: 5.143 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.5	58.0	87.0
98	40.8	41.9	62.9#

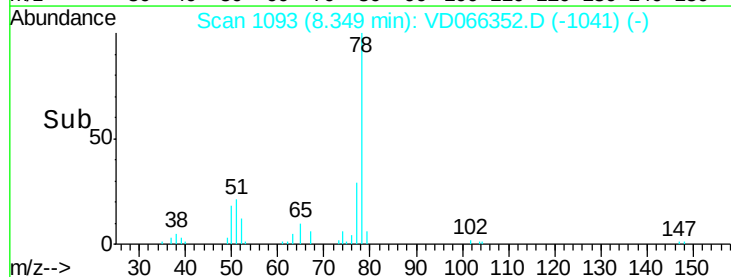
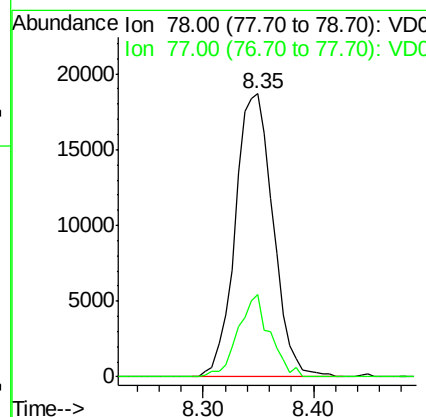
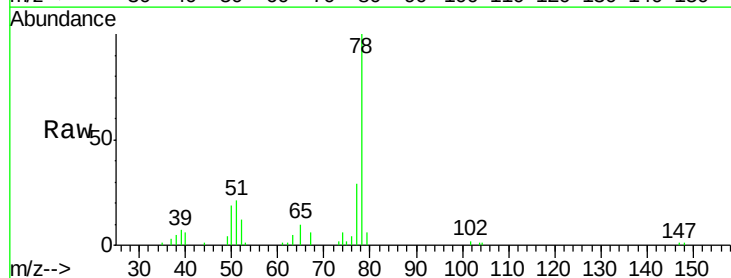
Manual Integrations
APPROVED

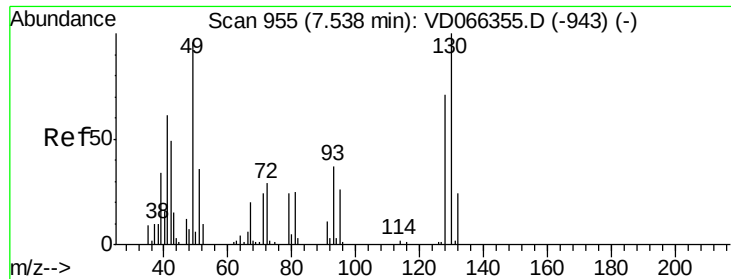
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#40
Benzene
Concen: 4.910 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	29.0	18.8	28.2#





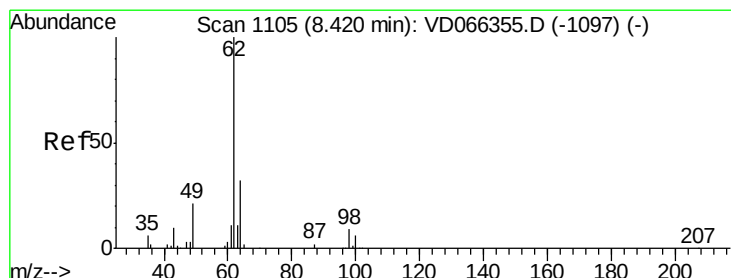
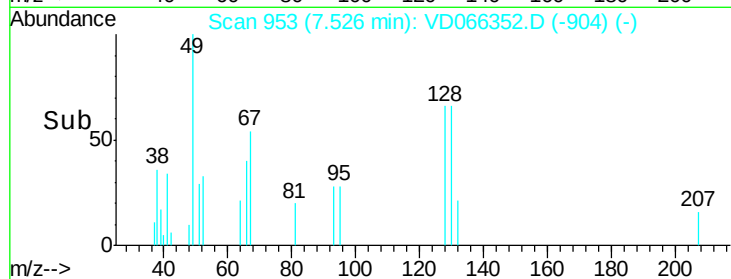
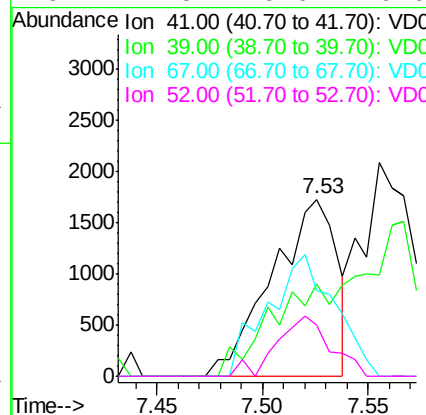
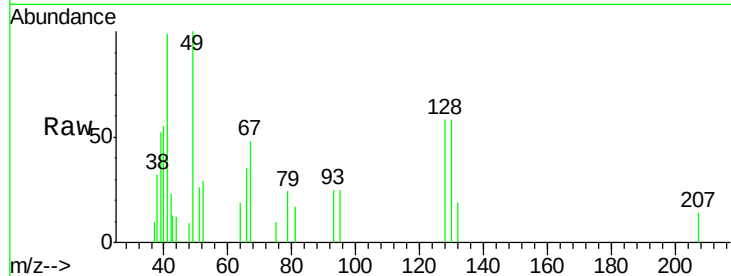
#41
Methacrylonitrile
Concen: 4.799 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.8	77.8#
67	70.2	0.0	0.0#
52	27.8	0.0	0.0#

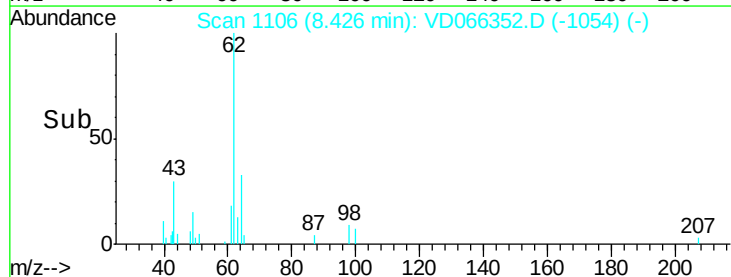
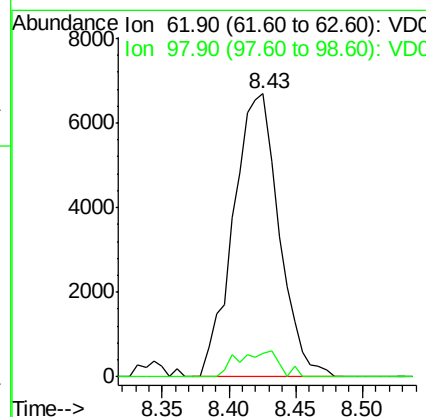
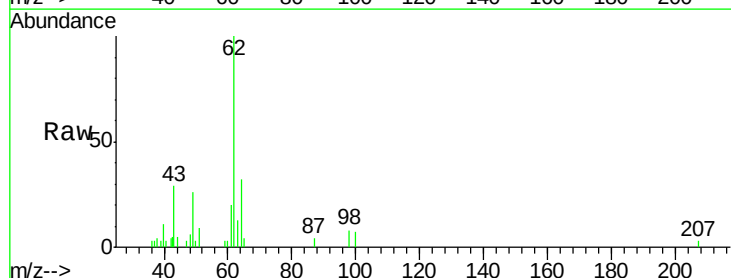
Manual Integrations
APPROVED

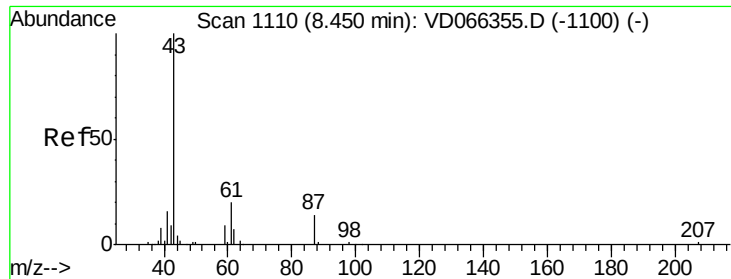
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8/24/2020 4:36:29 PM



#42
1,2-Dichloroethane
Concen: 5.745 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.2





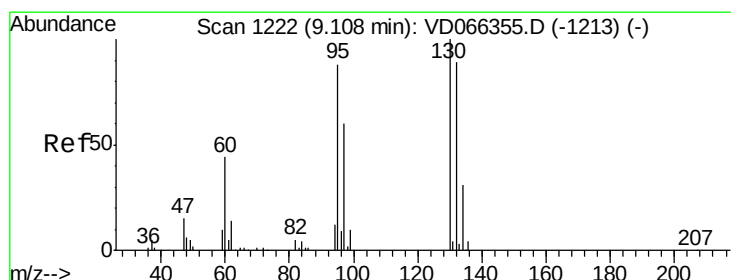
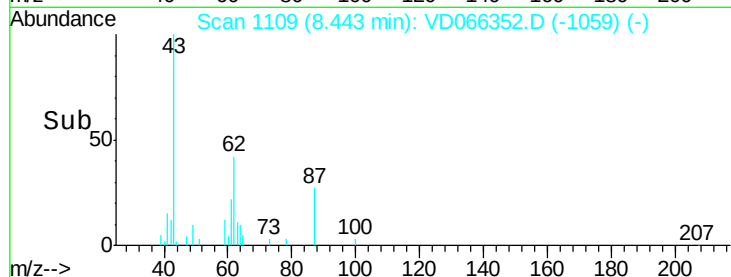
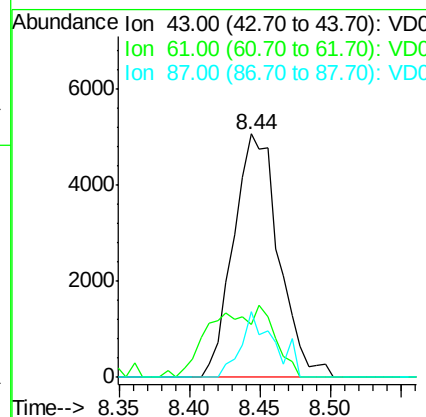
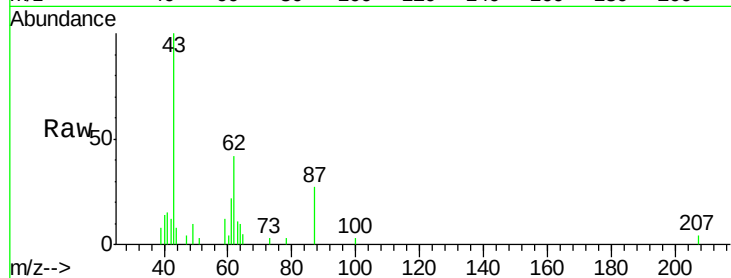
#43
Isopropyl Acetate
Concen: 4.453 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	26.5	39.7#
87	19.8	11.9	17.9#

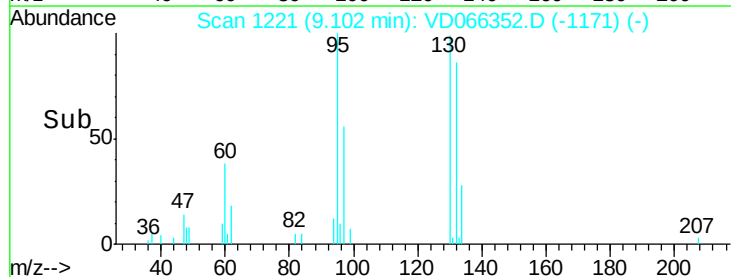
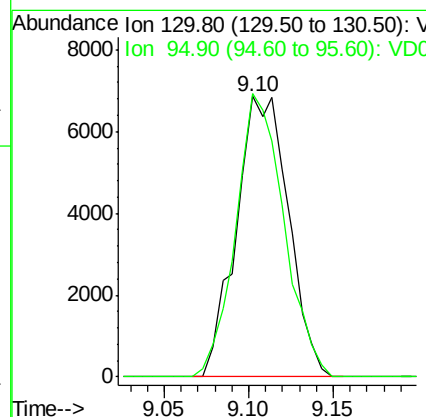
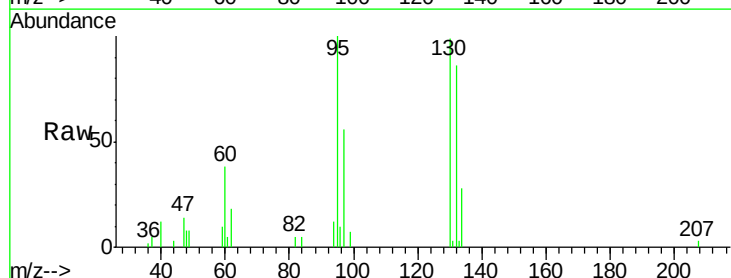
Manual Integrations
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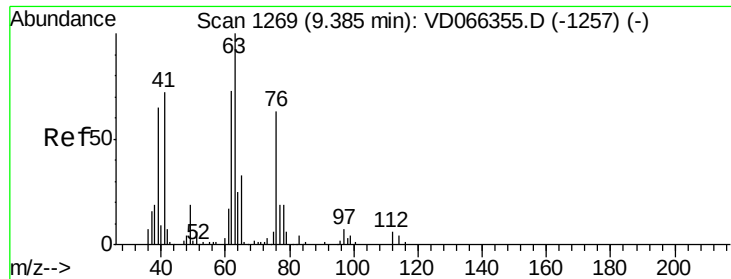
MMDadoda
8/24/2020 4:36:29 PM



#44
Trichloroethene
Concen: 5.314 ug/l
RT: 9.10 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	175.6





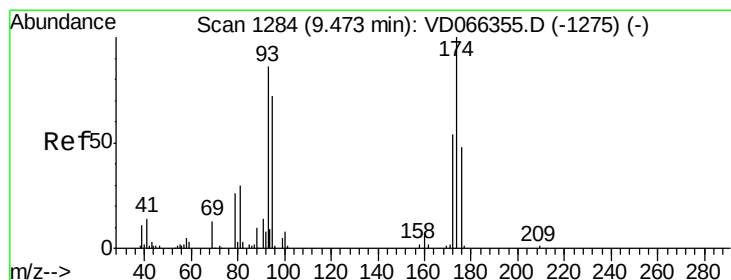
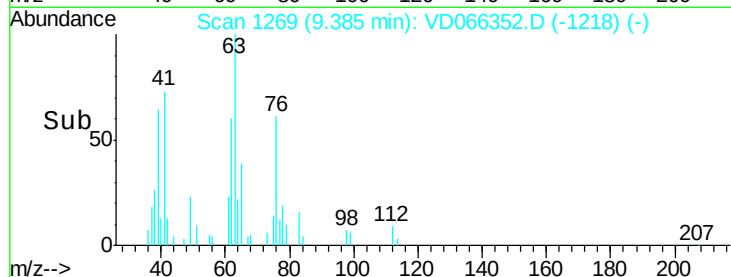
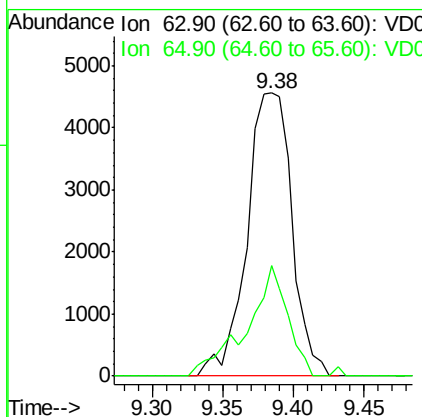
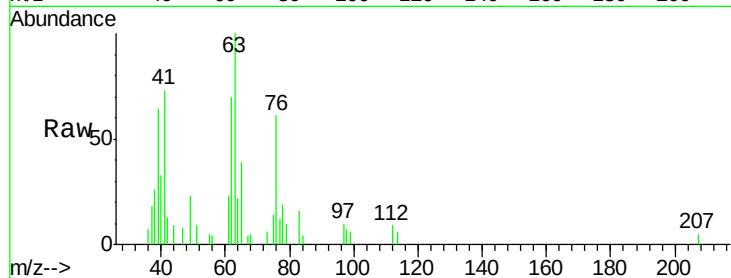
#45
 1,2-Dichloropropane
 Concen: 4.596 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	39.2	26.4	39.6

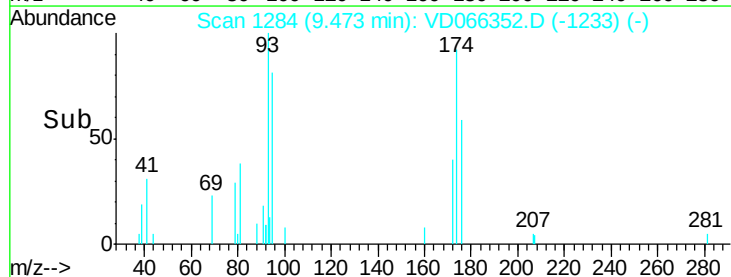
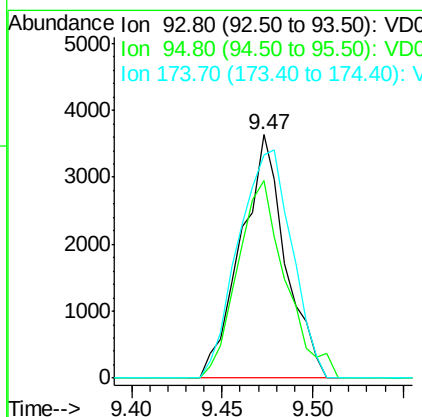
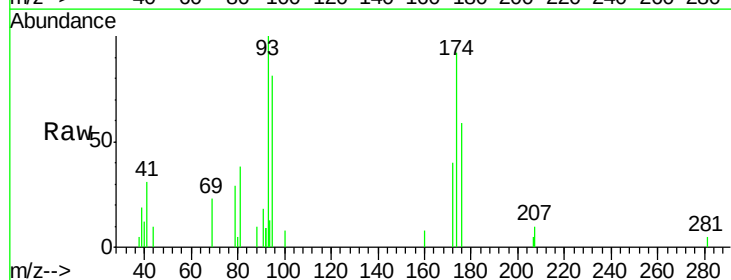
Manual Integrations
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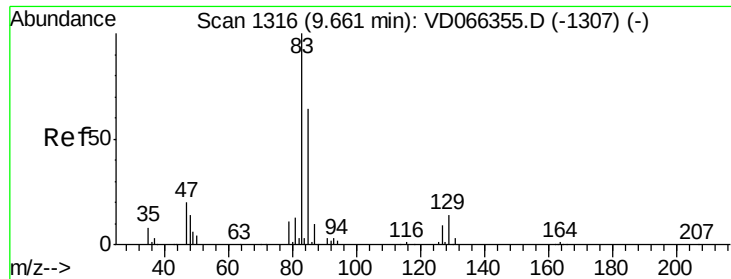
MMDadoda
 8/24/2020 4:36:29 PM



#46
 Dibromomethane
 Concen: 5.055 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.6	66.0	99.0
174	112.3	94.6	141.8





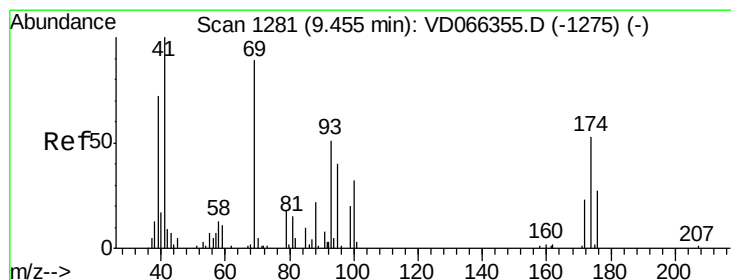
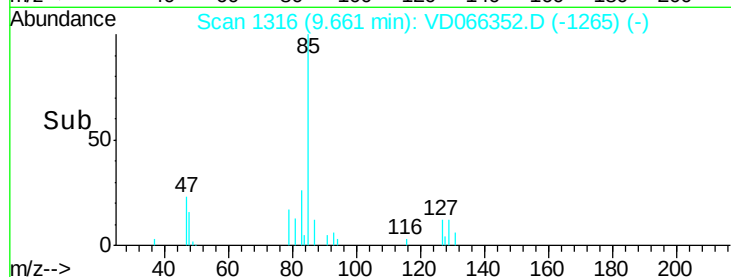
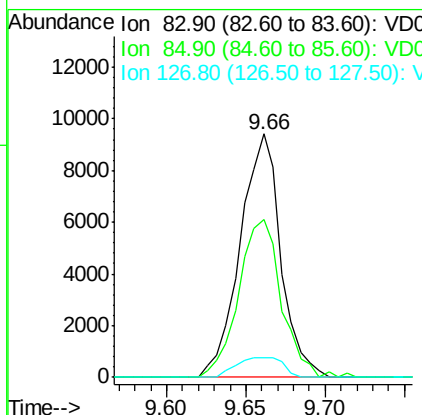
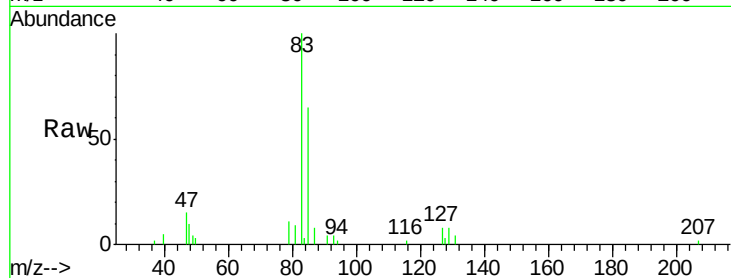
#47
Bromodichloromethane
Concen: 5.062 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	16691		
85	65.0		51.4	77.0
127	8.0		7.4	11.0

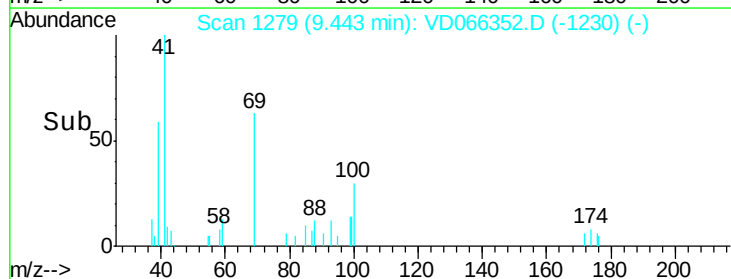
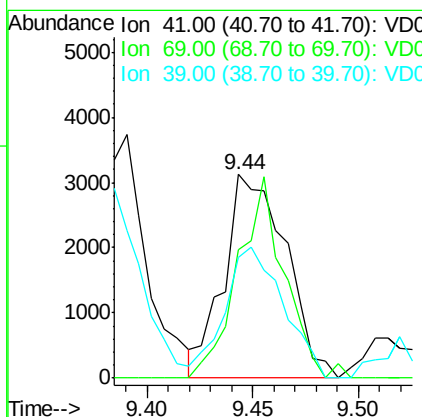
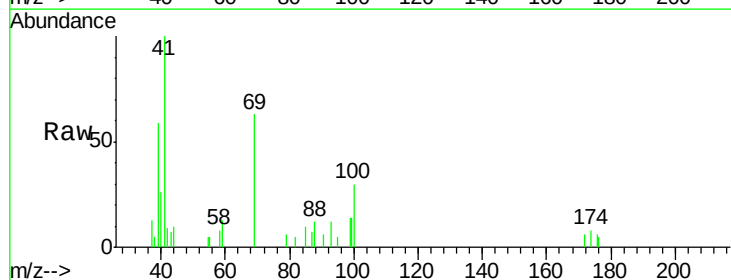
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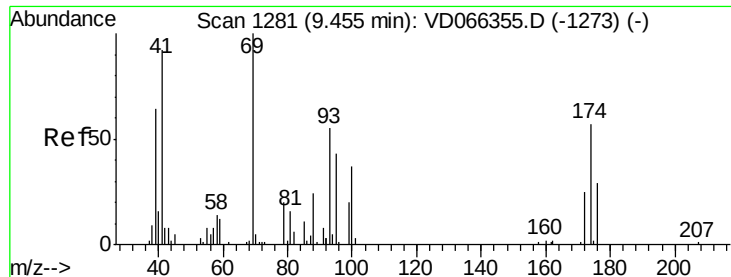
MMDadoda
8/24/2020 4:36:29 PM



#48
Methyl methacrylate
Concen: 4.942 ug/l
RT: 9.44 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	6333		
69	74.7		75.5	113.3#
39	61.4		57.0	85.4





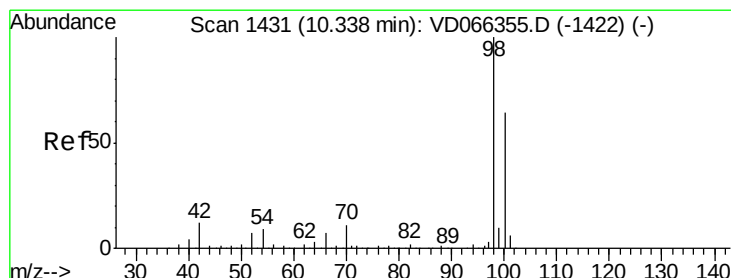
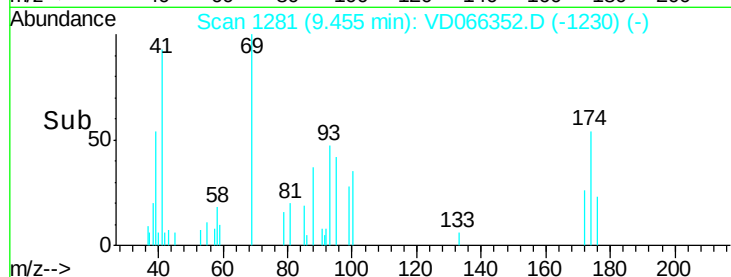
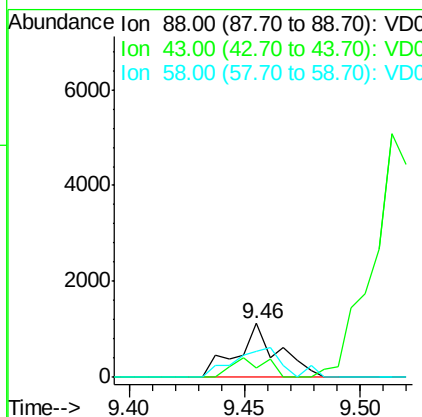
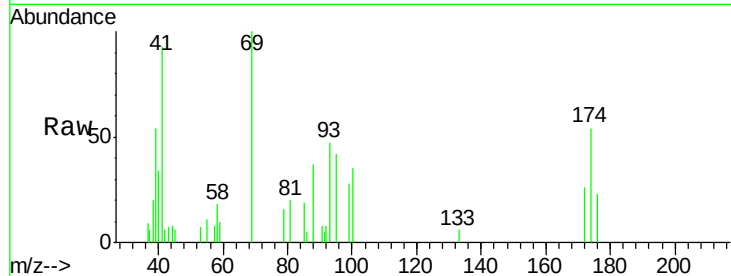
#49
1,4-Dioxane
Concen: 89.116 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	29.4	44.0
58	65.5	45.4	68.2

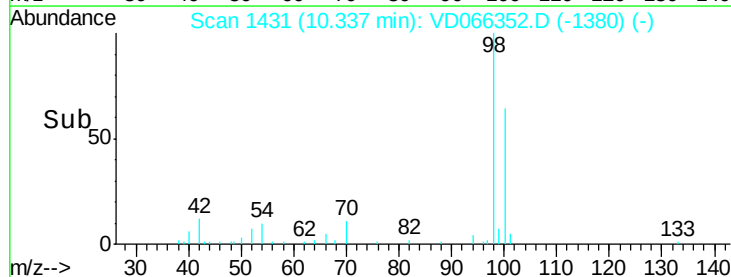
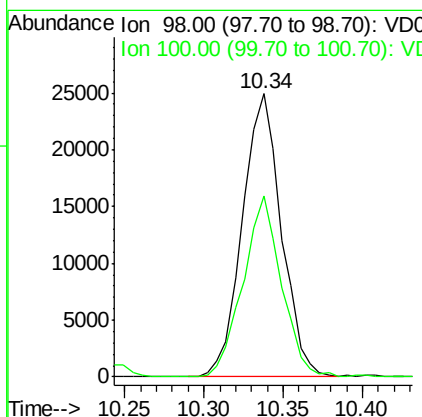
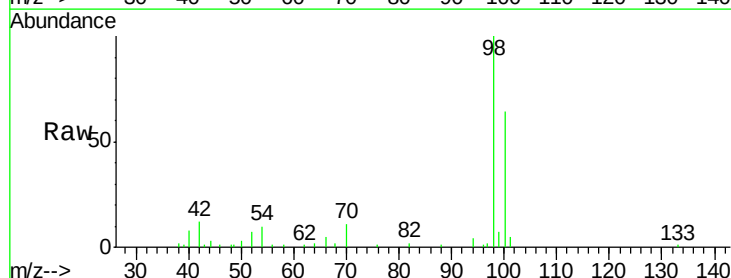
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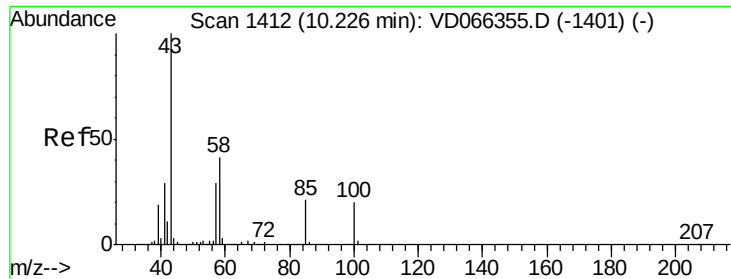
MMDadoda
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#50
Toluene-d8
Concen: 5.203 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 20.807 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 26962

Ion Ratio Lower Upper

43 100

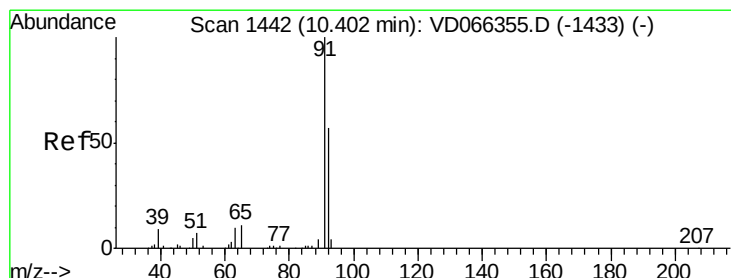
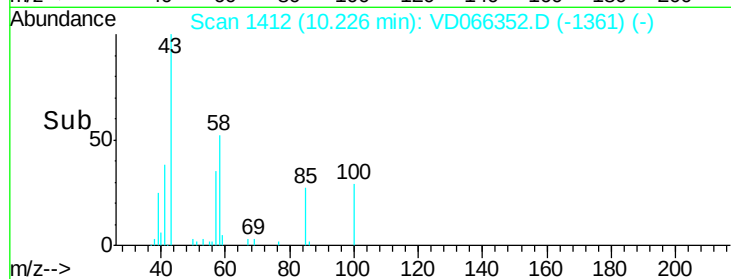
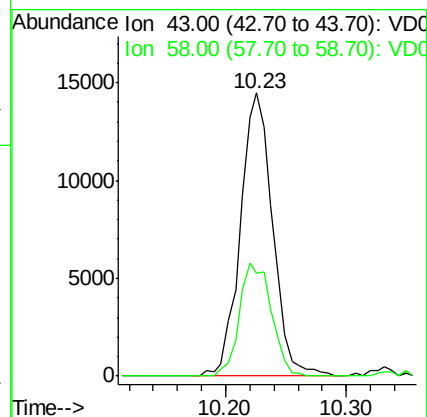
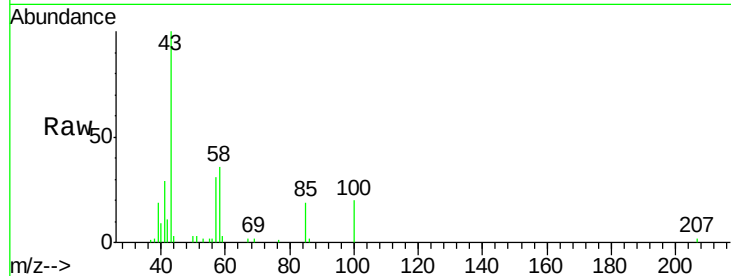
58 39.5 31.4 47.2

Manual Integrations

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#52

Toluene

Concen: 4.655 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066352.D

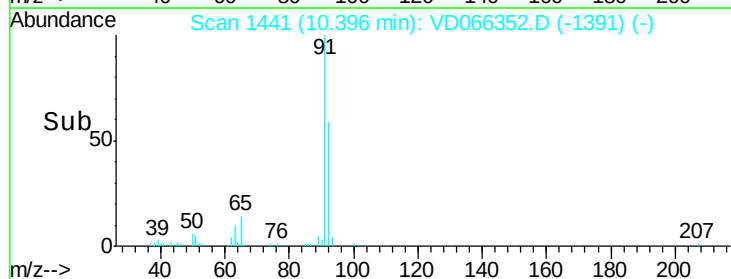
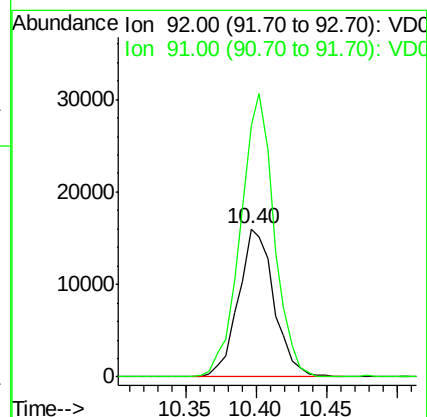
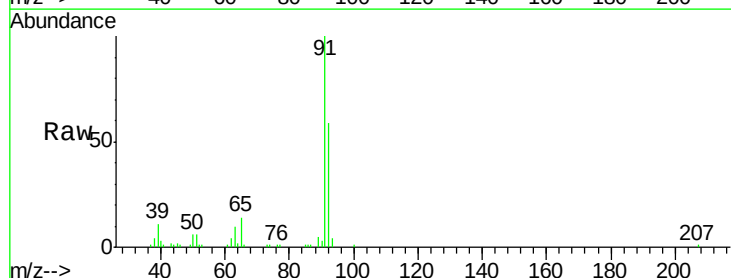
Acq: 21 Aug 2020 10:58

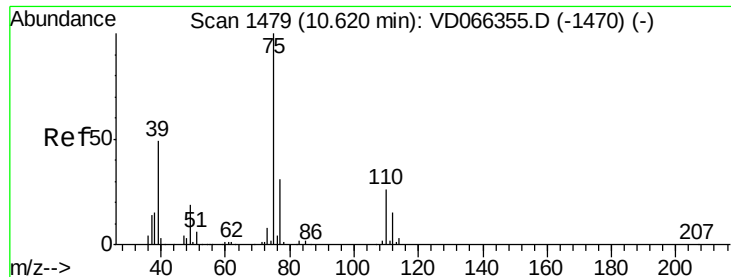
Tgt Ion: 92 Resp: 28109

Ion Ratio Lower Upper

92 100

91 181.3 135.8 203.6





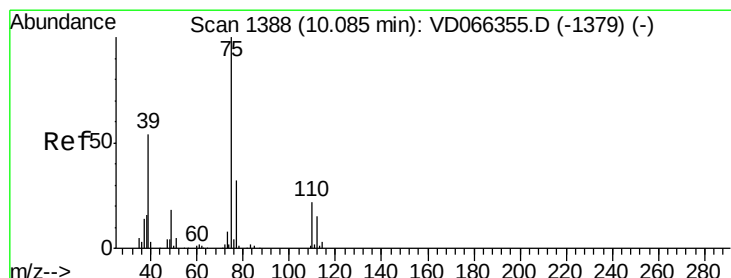
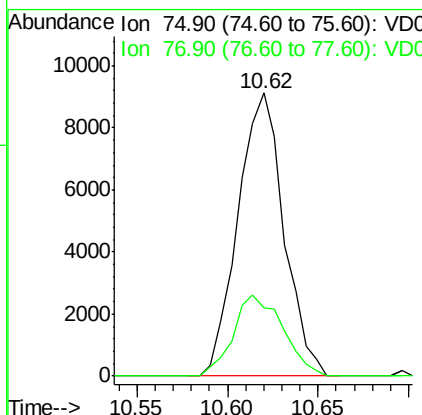
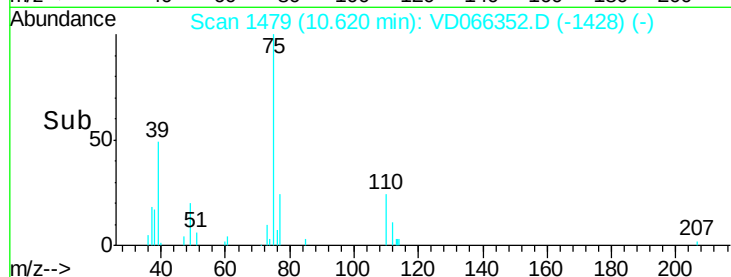
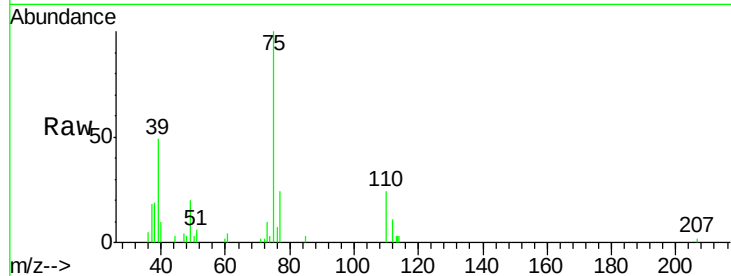
#53
 t-1,3-Dichloropropene
 Concen: 5.142 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 16084
 Ion Ratio Lower Upper
 75 100
 77 24.1 24.5 36.7#

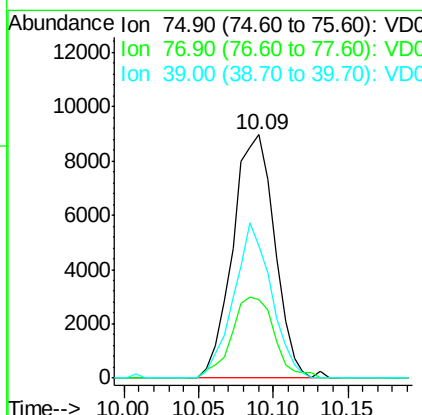
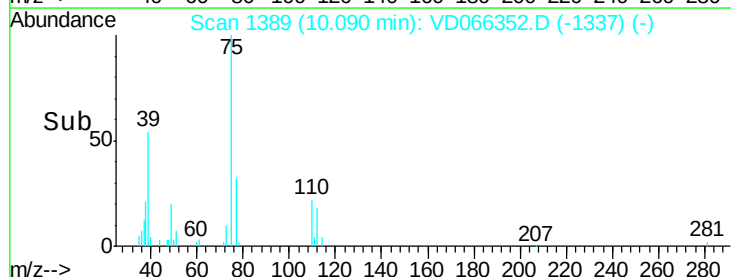
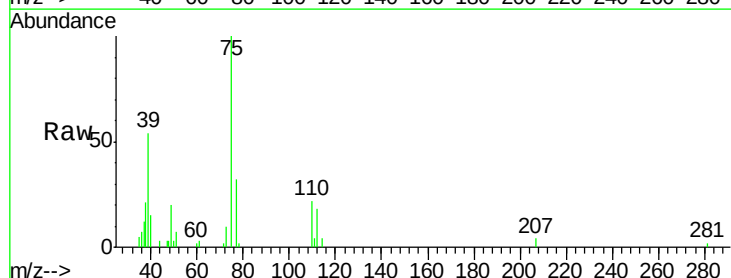
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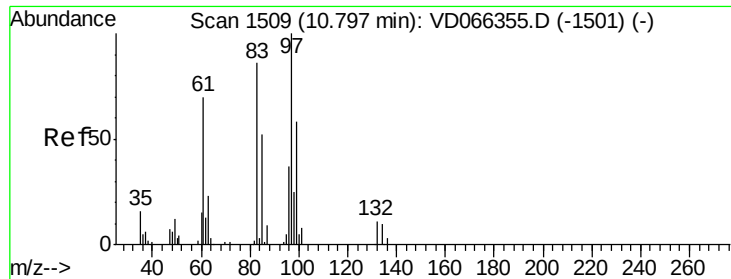
MMDadoda
 8/24/2020 4:36:29 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.815 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Tgt Ion: 75 Resp: 17528
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4
 39 54.5 43.4 65.0





#55

1,1,2-Trichloroethane

Concen: 5.121 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

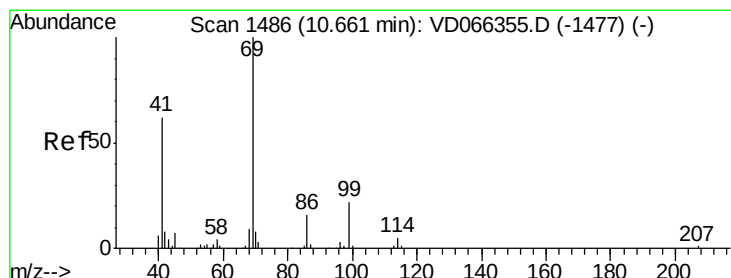
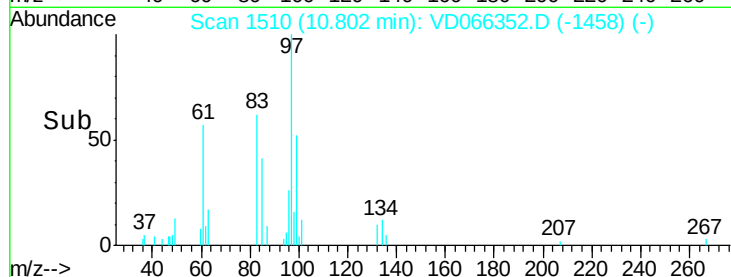
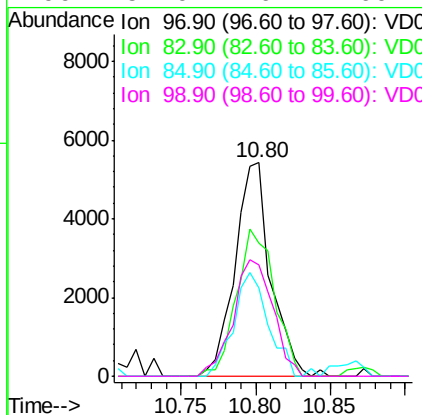
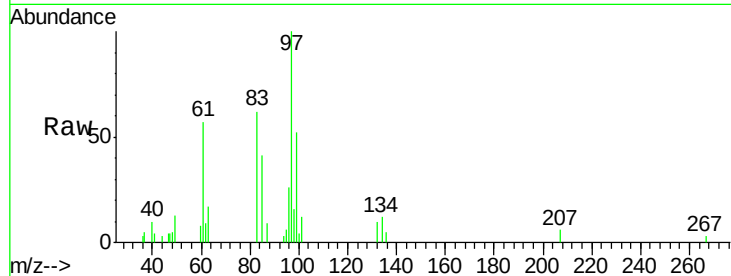
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	9051
Ion	Ratio	Lower	Upper
97	100		
83	62.5	68.4	102.6#
85	41.3	41.3	61.9
99	52.0	46.1	69.1

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#56

Ethyl methacrylate

Concen: 4.208 ug/l

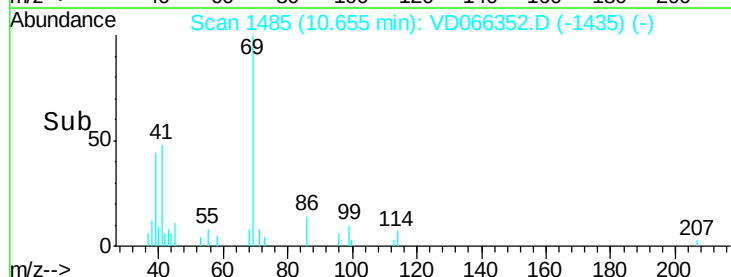
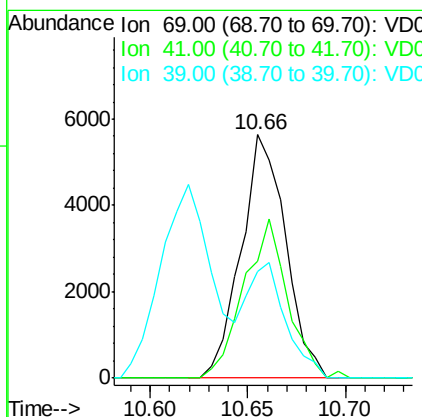
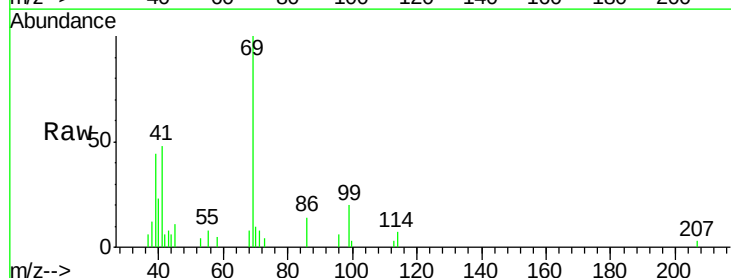
RT: 10.66 min Scan# 1485

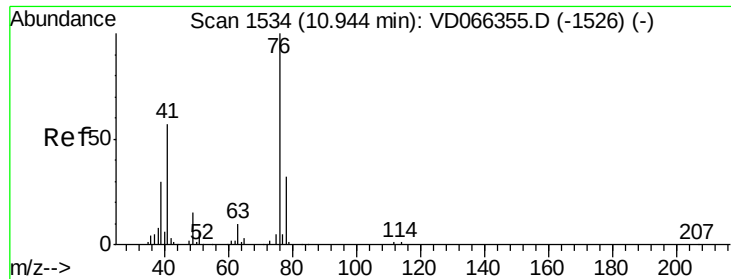
Delta R.T. -0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Tgt Ion:	69	Resp:	8883
Ion	Ratio	Lower	Upper
69	100		
41	64.6	50.8	76.2
39	41.7	32.9	49.3





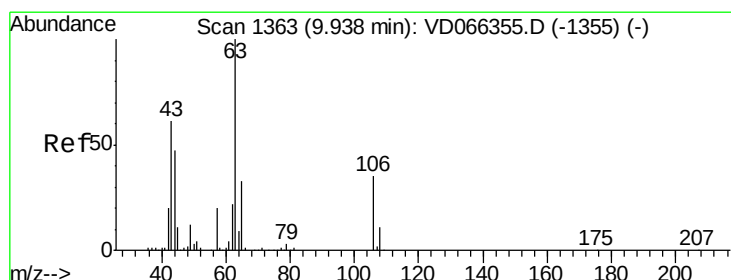
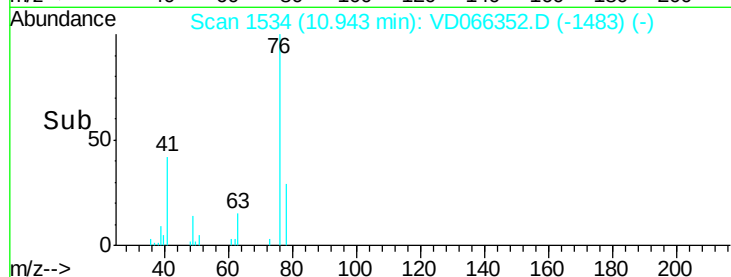
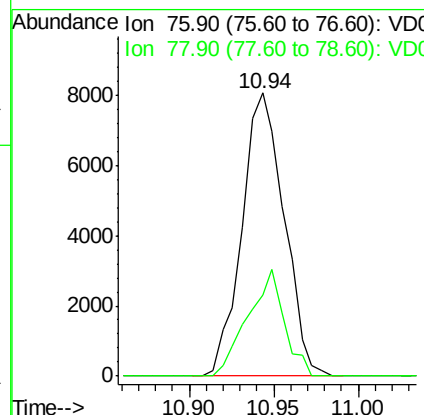
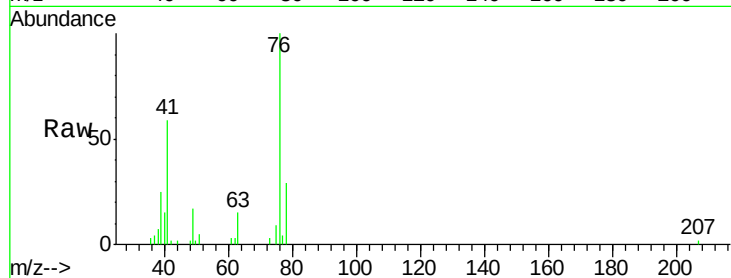
#57
 1,3-Dichloropropane
 Concen: 4.794 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 14034
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

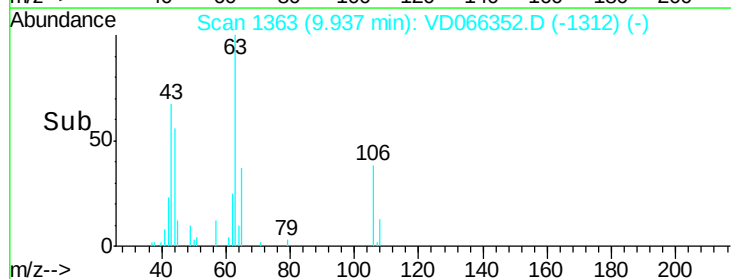
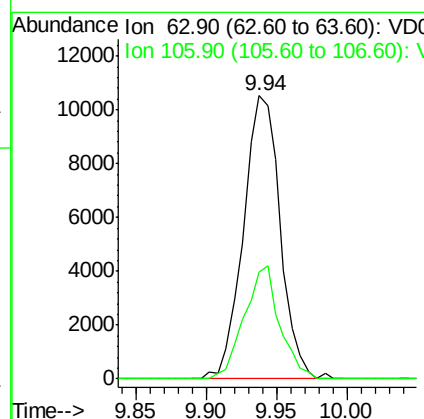
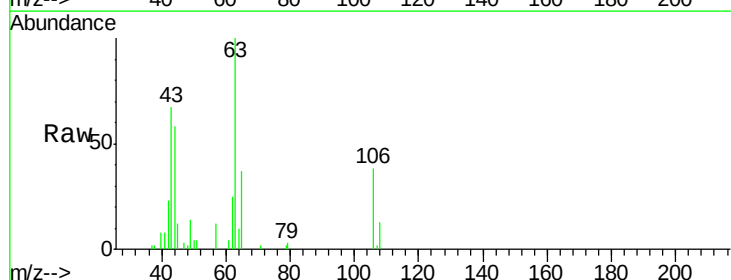
Manual Integrations
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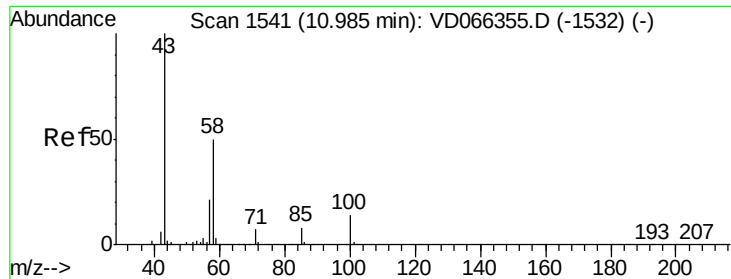
MMDadoda
 8/24/2020 4:36:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.486 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Tgt Ion: 63 Resp: 19190
 Ion Ratio Lower Upper
 63 100
 106 38.4 27.1 40.7





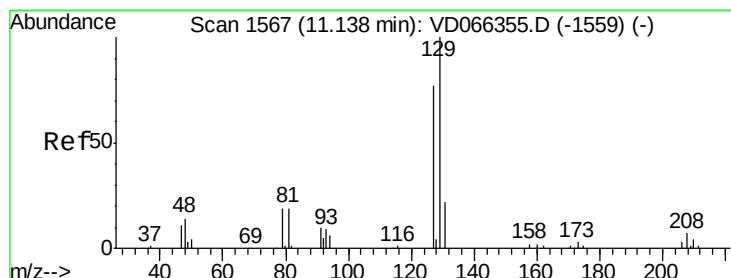
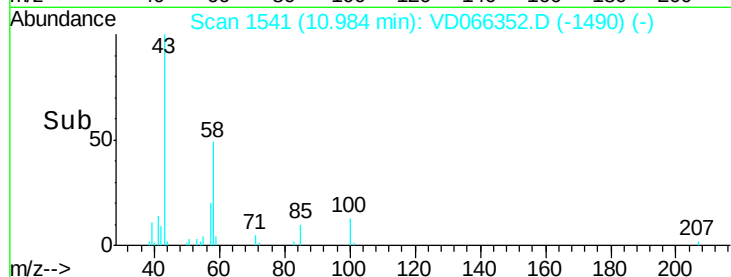
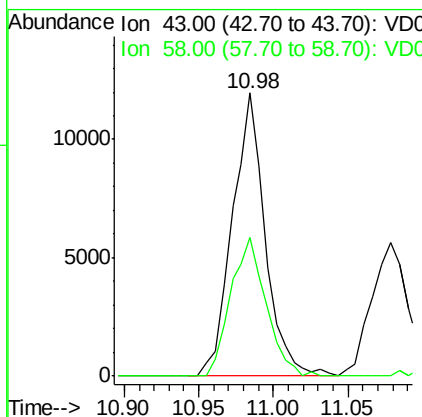
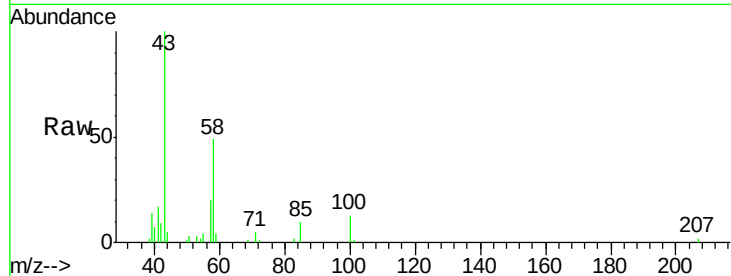
#59
2-Hexanone
Concen: 20.090 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	18355
Ion Ratio	100	Lower	Upper
43	100		
58	52.5	26.3	78.8

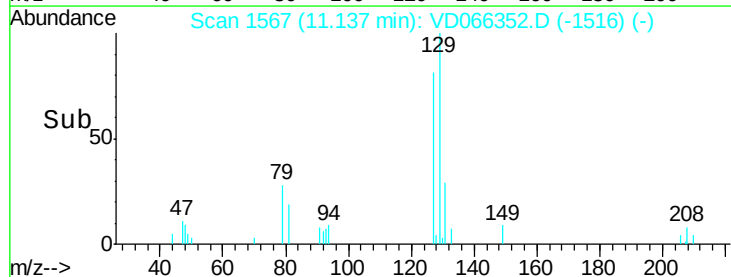
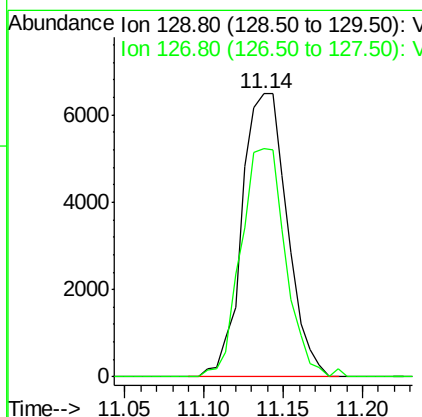
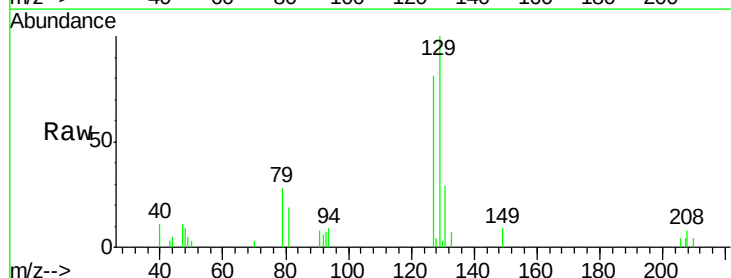
Manual Integrations
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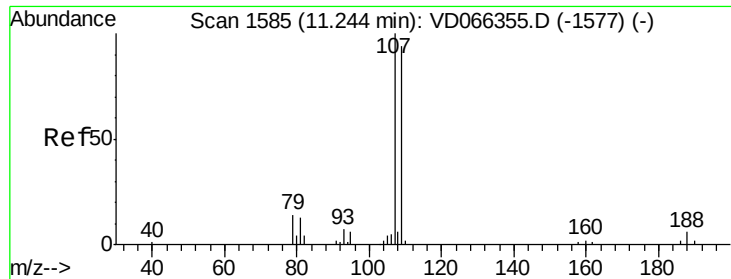
MMDadoda
8/24/2020 4:36:29 PM



#60
Dibromochloromethane
Concen: 5.220 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	129	Resp	12855
Ion Ratio	100	Lower	Upper
129	100		
127	79.6	39.0	117.0





#61

1,2-Dibromoethane

Concen: 4.999 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 8477

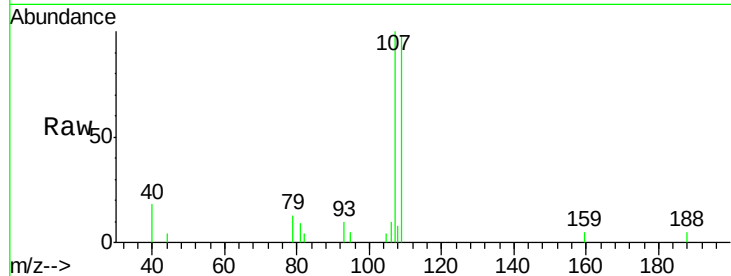
Ion Ratio Lower Upper

107 100

109 97.6 77.8 116.8

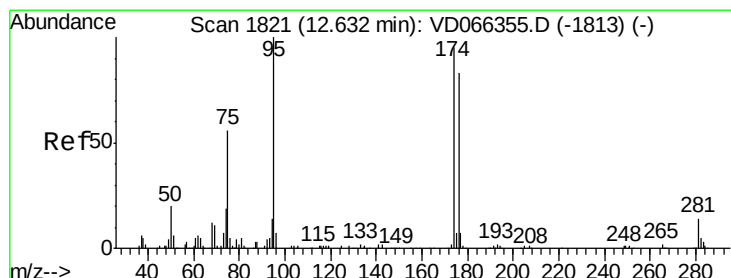
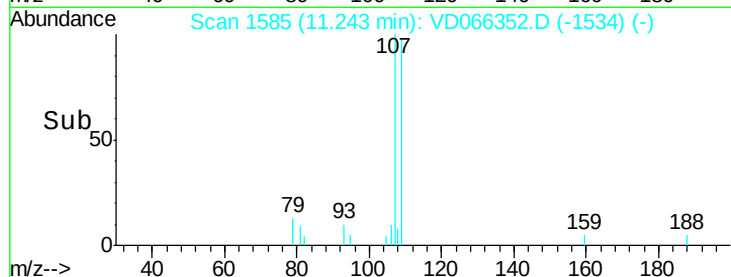
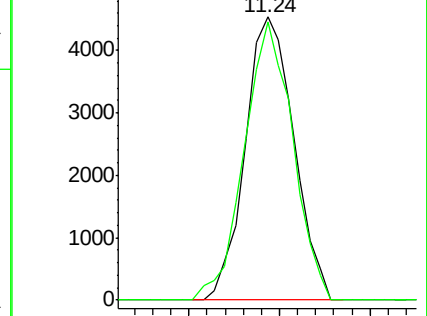
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.343 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

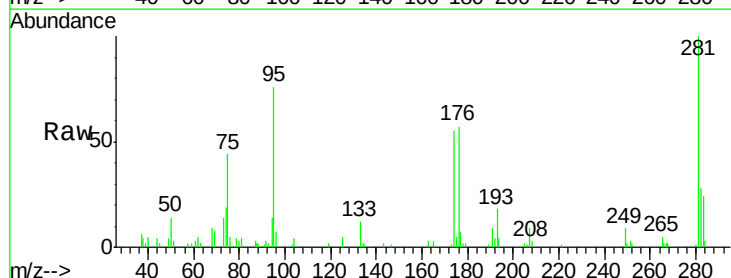
Tgt Ion: 95 Resp: 15782

Ion Ratio Lower Upper

95 100

174 86.2 0.0 183.4

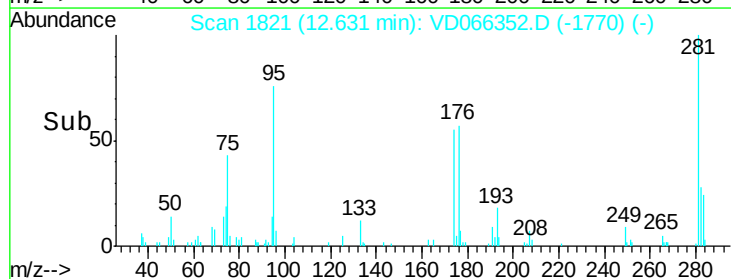
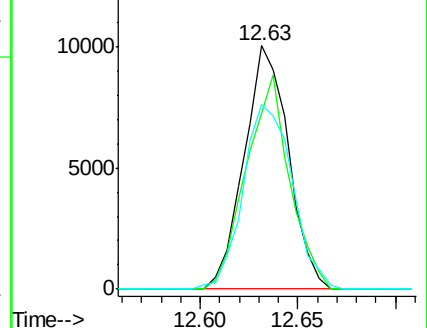
176 84.6 0.0 173.8

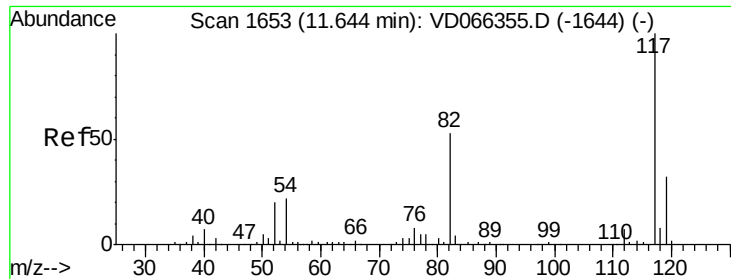


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





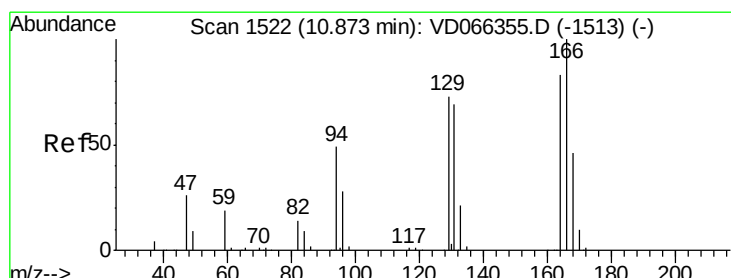
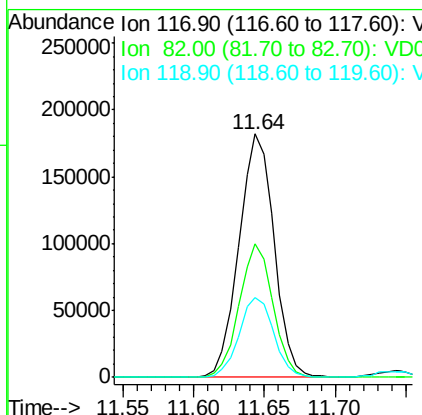
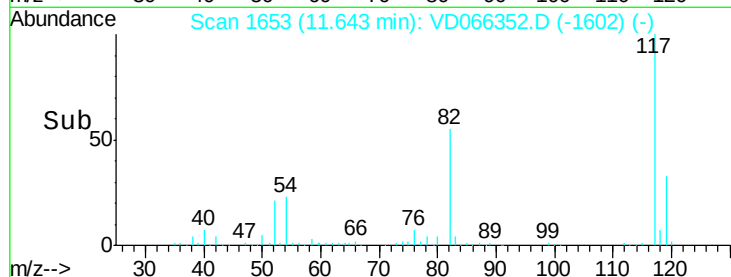
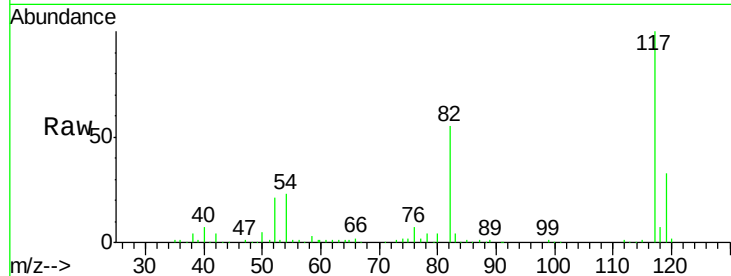
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.8	64.2
119	33.0	25.8	38.8

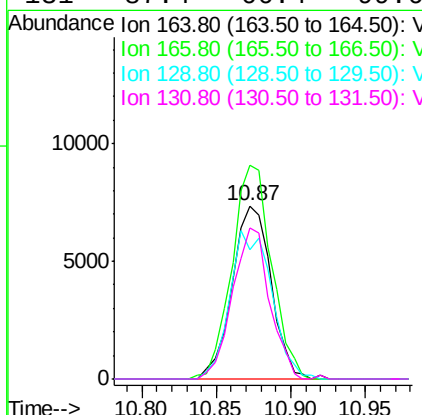
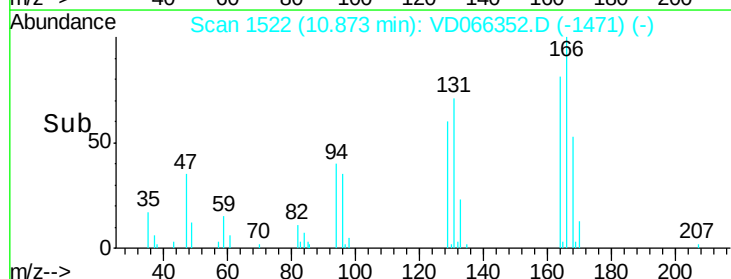
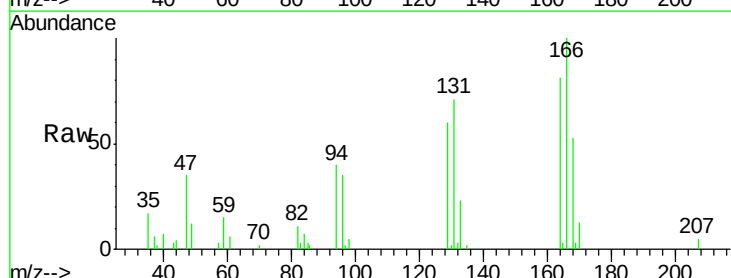
Manual Integrations
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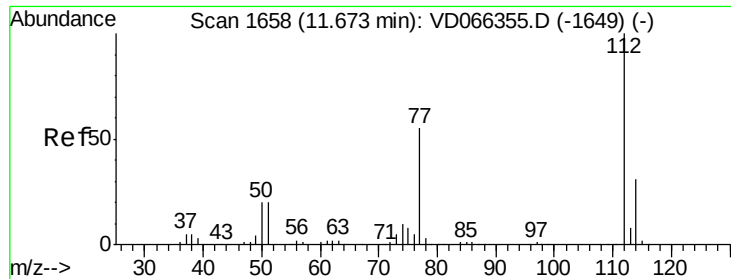
MMDadoda
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#64
Tetrachloroethene
Concen: 5.462 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	96.2	144.4
129	74.5	70.3	105.5
131	87.4	66.4	99.6





#65

Chlorobenzene

Concen: 5.209 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 33735

Ion Ratio Lower Upper

112 100

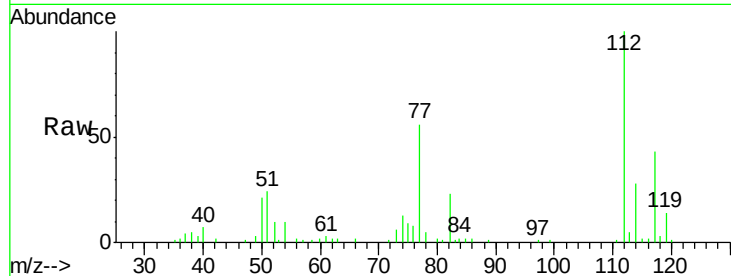
114 28.0 25.1 37.7

Manual Integrations

APPROVED

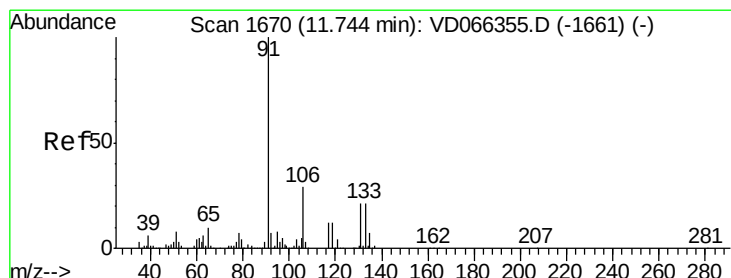
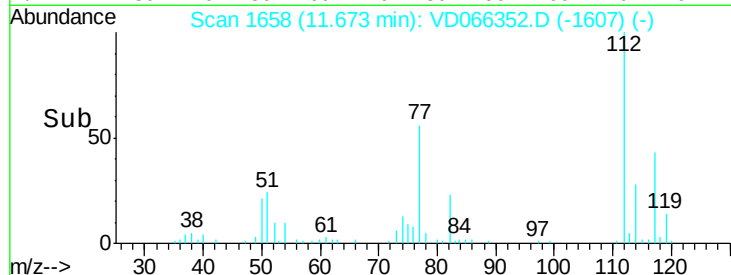
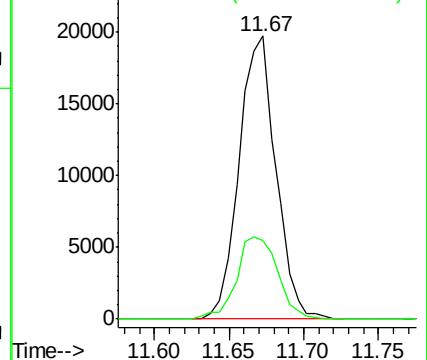
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.579 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

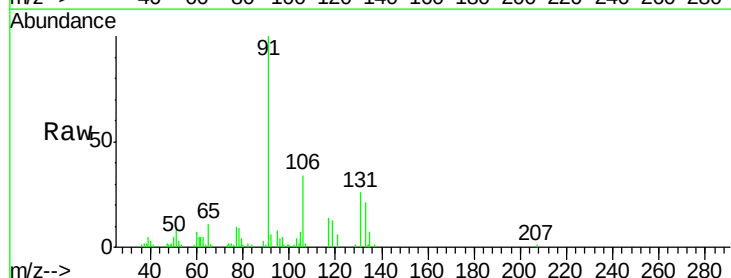
Tgt Ion:131 Resp: 14183

Ion Ratio Lower Upper

131 100

133 93.4 48.6 145.9

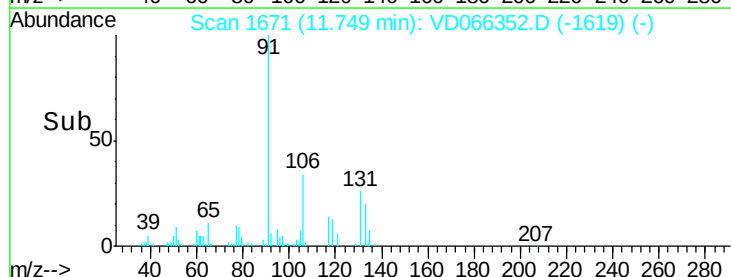
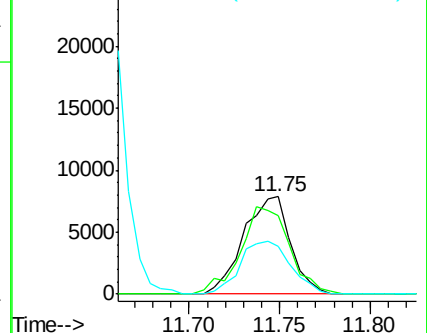
119 58.0 29.0 87.1

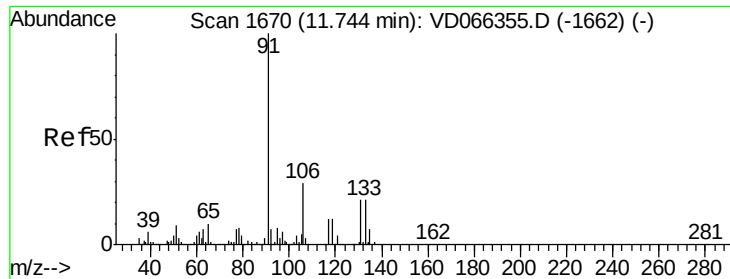


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 5.030 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 56668

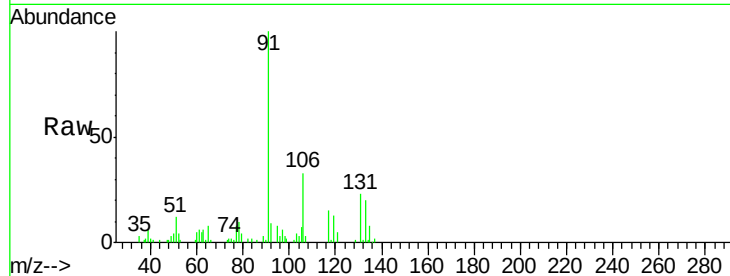
Ion Ratio Lower Upper

91 100

106 33.4 23.4 35.2

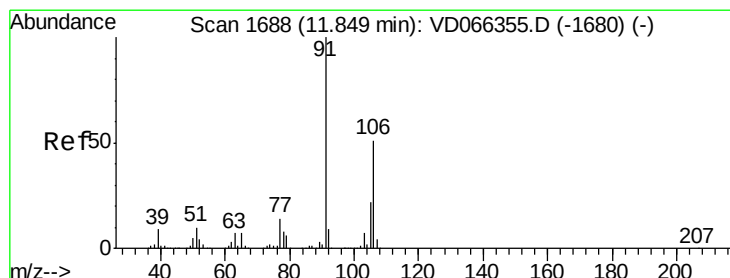
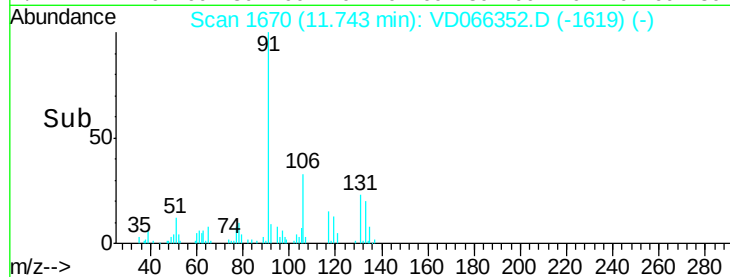
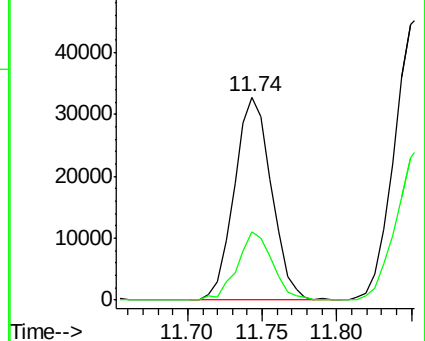
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Abundance Ion 91.00 (90.70 to 91.70): VD066355.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD066355.D (-1662) (-)



#68

m/p-Xylenes

Concen: 10.130 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066352.D

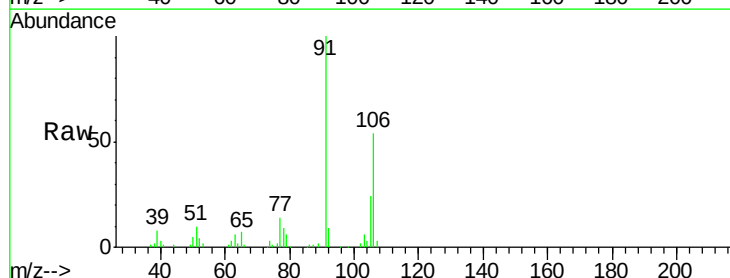
Acq: 21 Aug 2020 10:58

Tgt Ion: 106 Resp: 44006

Ion Ratio Lower Upper

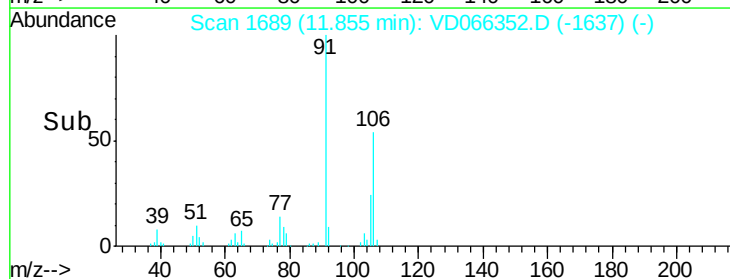
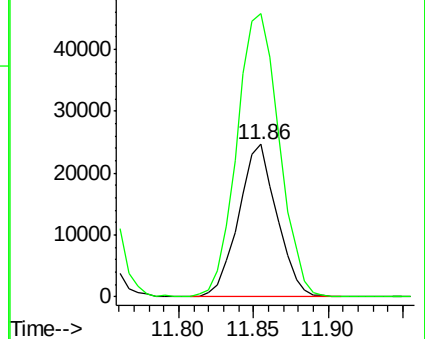
106 100

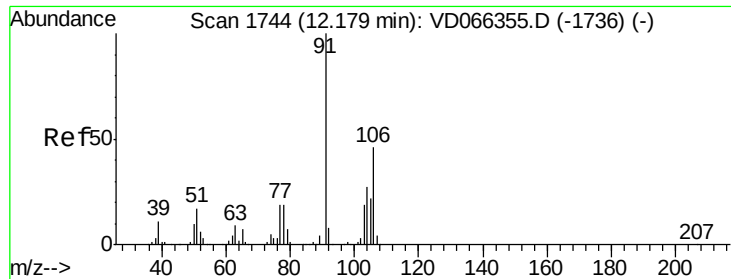
91 204.9 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066355.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD066355.D (-1680) (-)





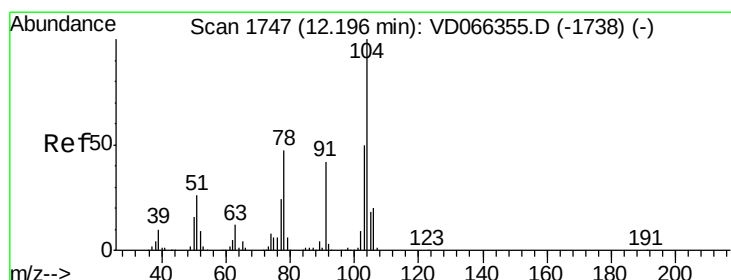
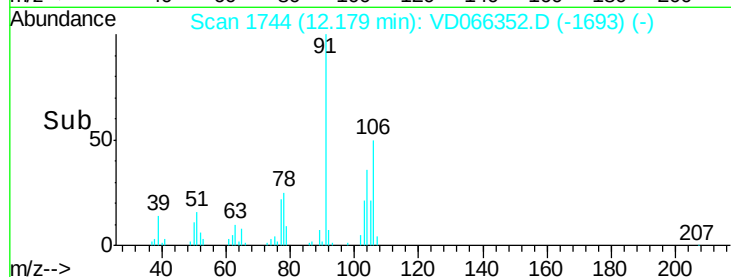
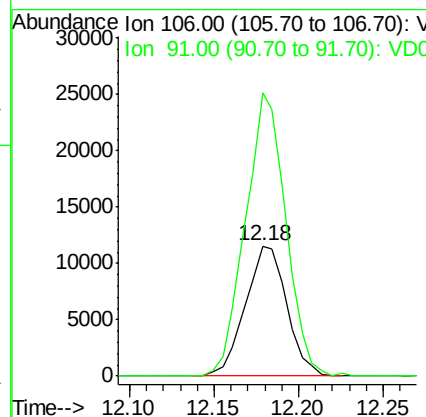
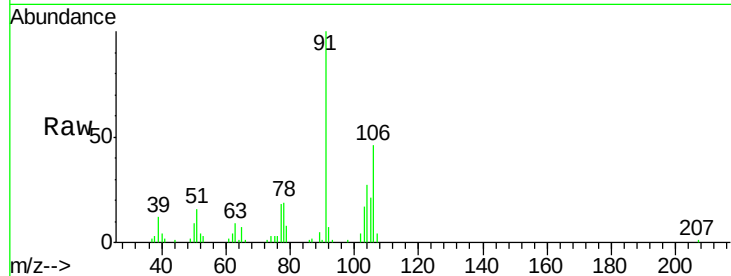
#69
o-Xylene
Concen: 4.980 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		19648		
91	213.4	109.1	327.3		

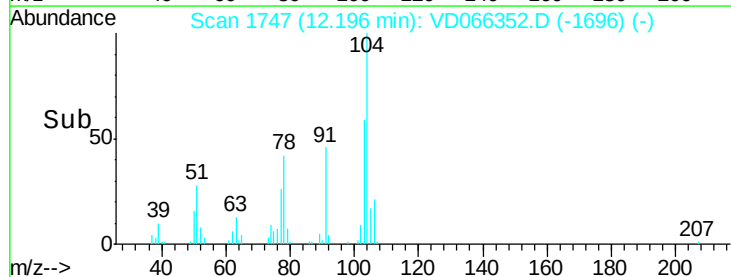
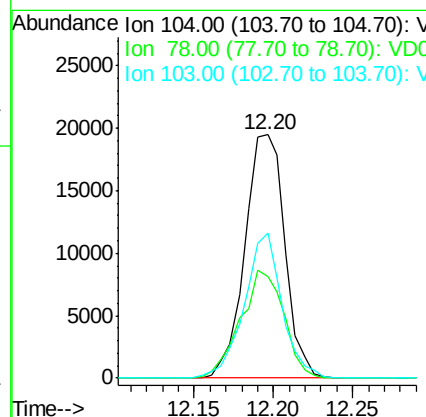
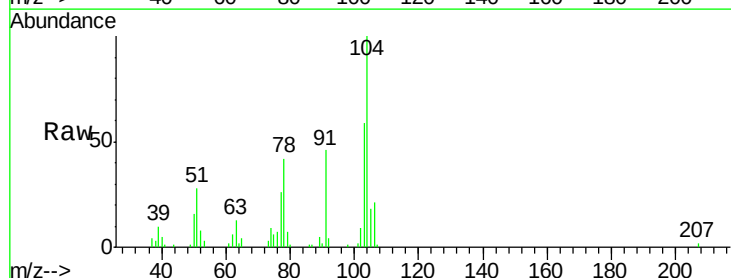
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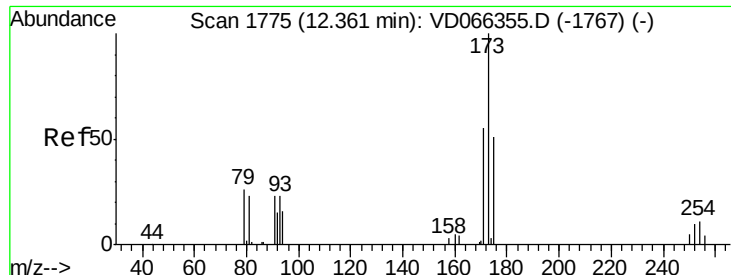
MMDadoda
8/24/2020 4:36:29 PM



#70
Styrene
Concen: 4.942 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		34136		
78	48.0	41.7	62.5		
103	56.0	43.5	65.3		





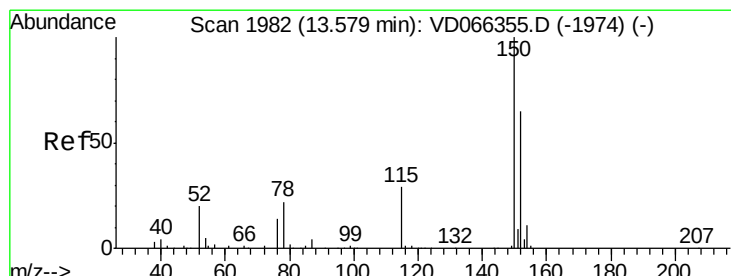
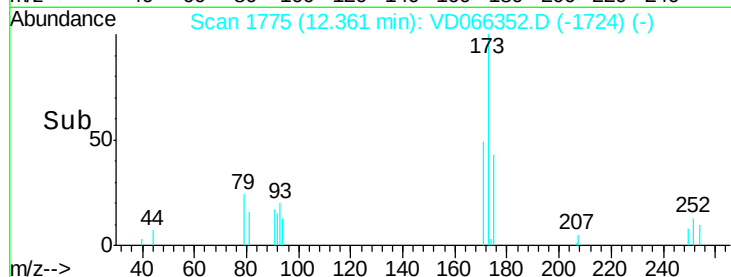
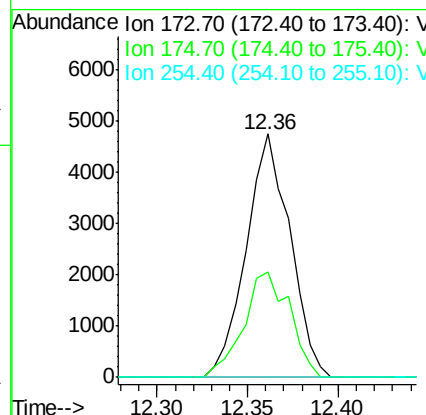
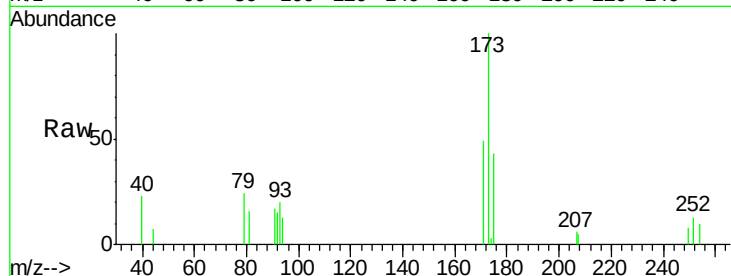
#71
Bromoform
Concen: 5.317 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.1	24.8	74.3
254	0.0	0.0	0.0

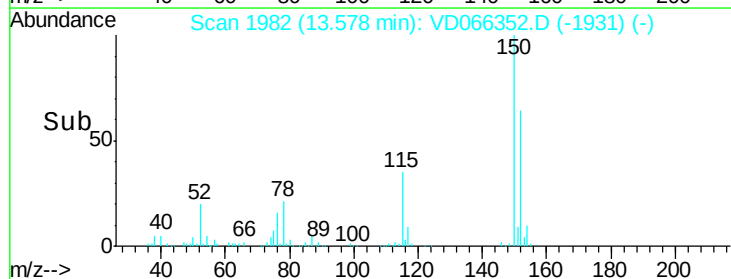
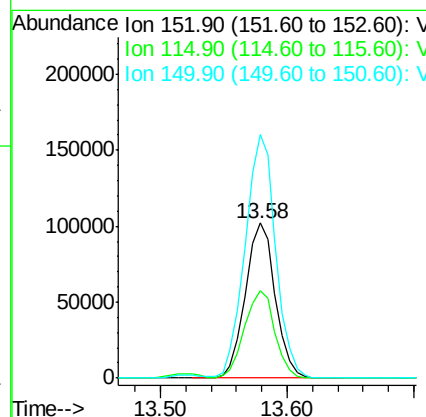
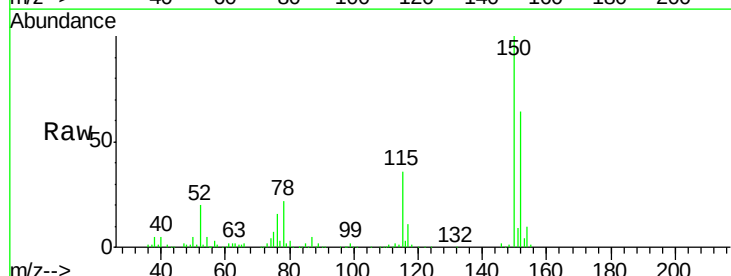
Manual Integrations
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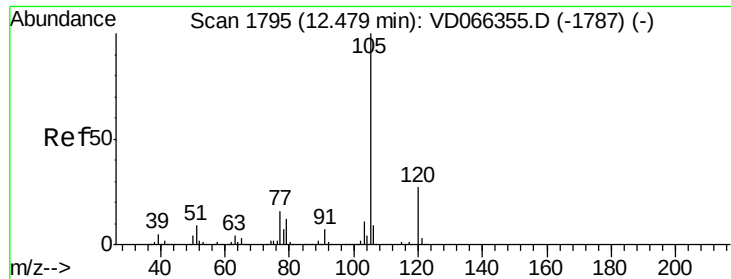
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.3	85.0
150	160.4	0.0	343.2





#73

Isopropylbenzene

Concen: 5.082 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 56755

Ion Ratio Lower Upper

105 100

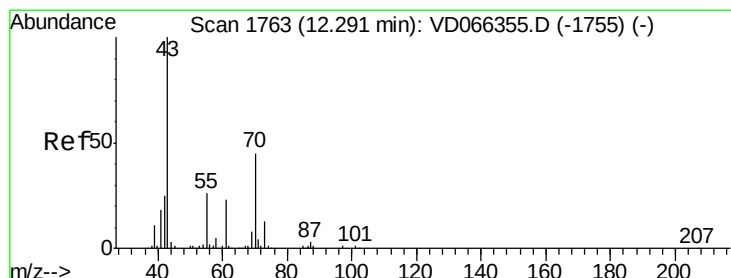
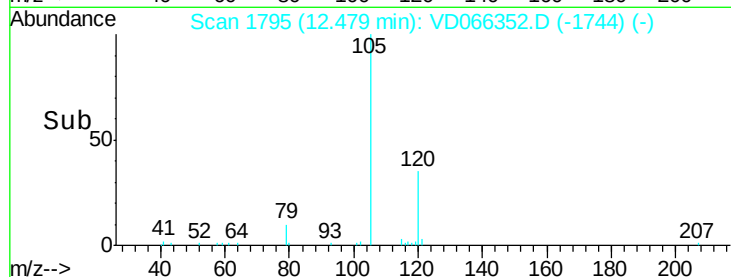
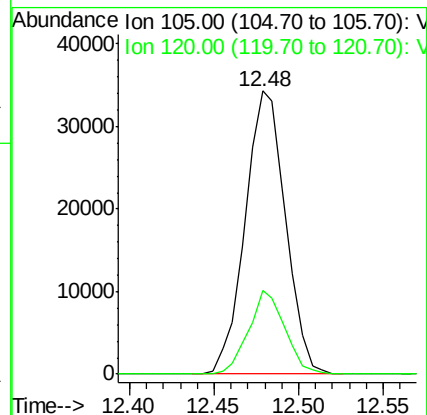
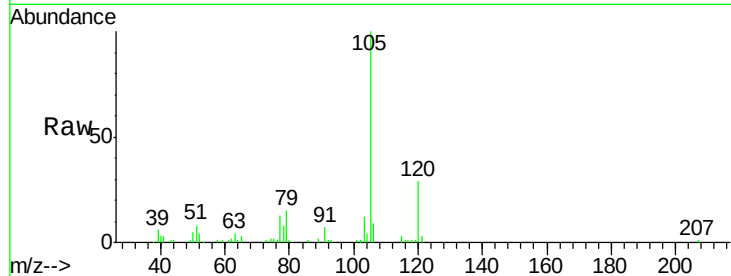
120 26.5 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.089 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Tgt Ion: 43 Resp: 9756

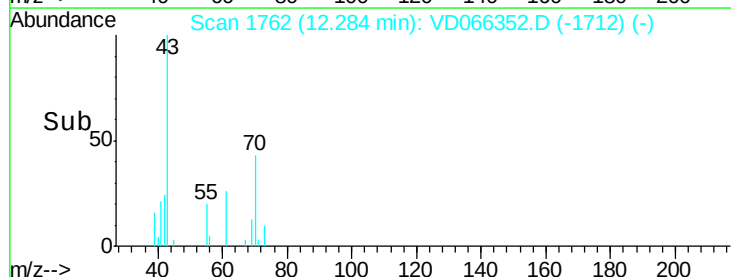
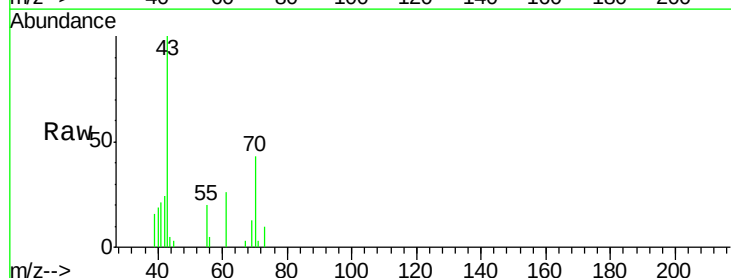
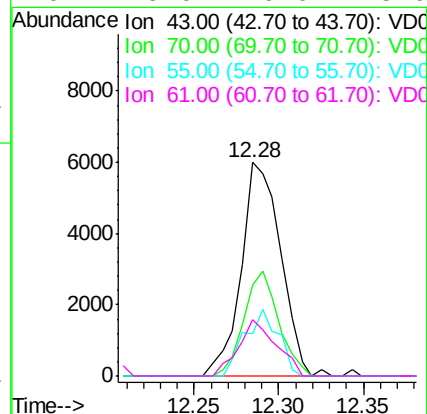
Ion Ratio Lower Upper

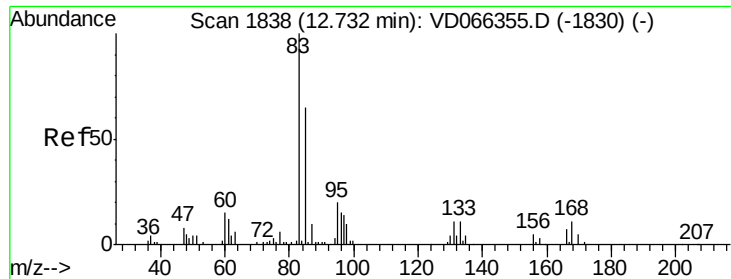
43 100

70 43.1 34.8 52.2

55 26.6 20.3 30.5

61 25.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.575 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

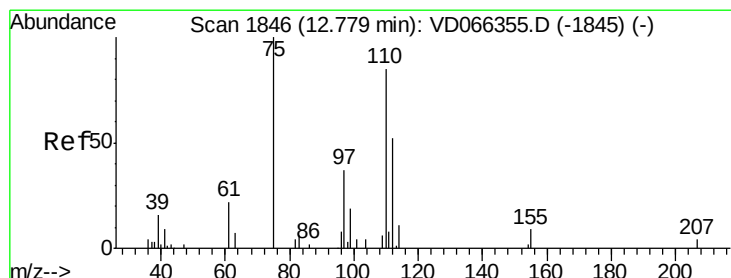
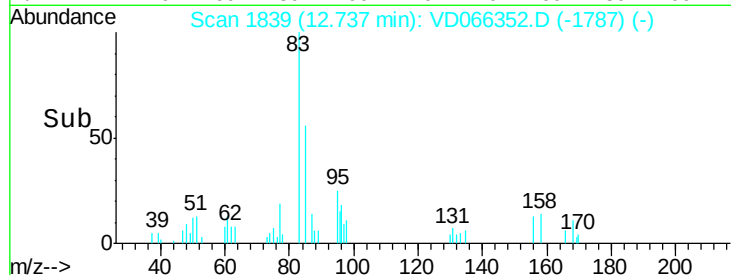
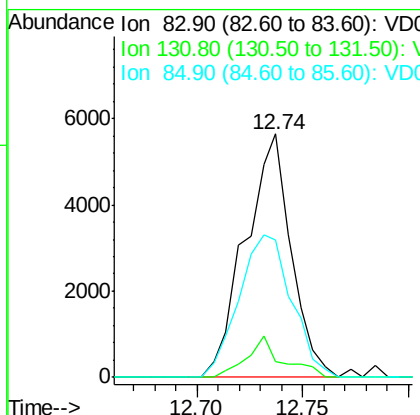
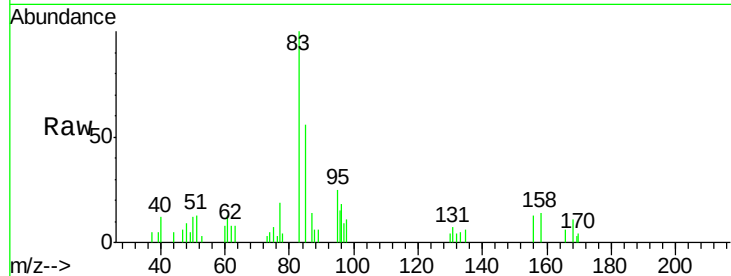
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	8519
Ion Ratio	Lower	Upper	
83	100		
131	13.0	7.0	20.9
85	67.5	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.311 ug/l m

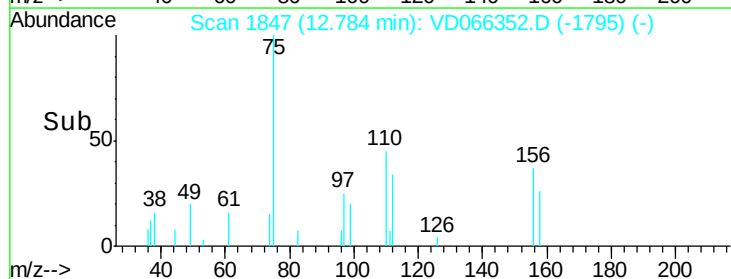
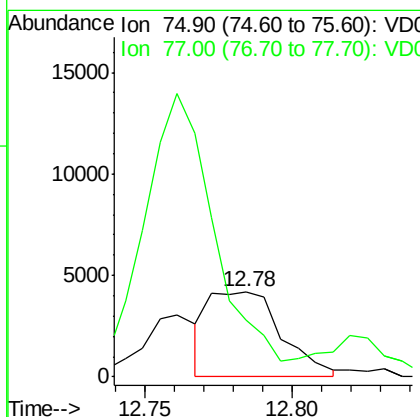
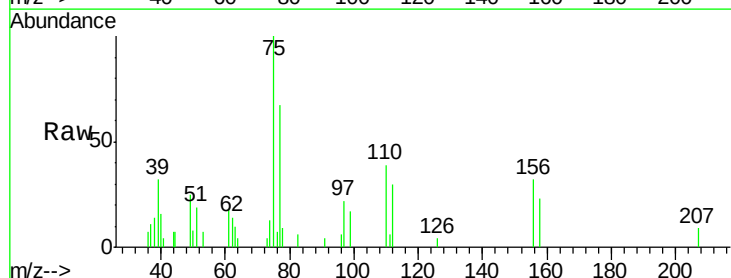
RT: 12.78 min Scan# 1847

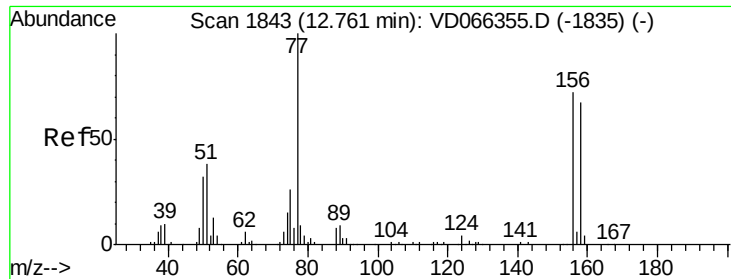
Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Tgt Ion:	75	Resp:	7293
Ion Ratio	Lower	Upper	
75	100		
77	0.0	182.9	548.9#





#77

Bromobenzene

Concen: 5.296 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

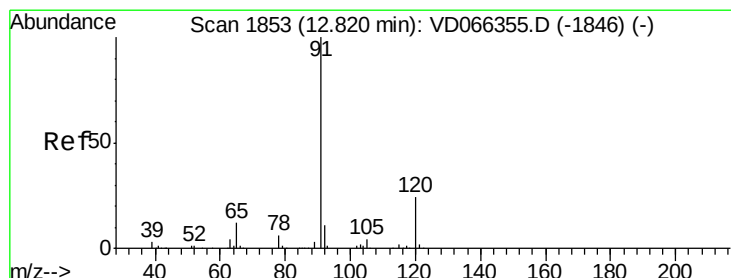
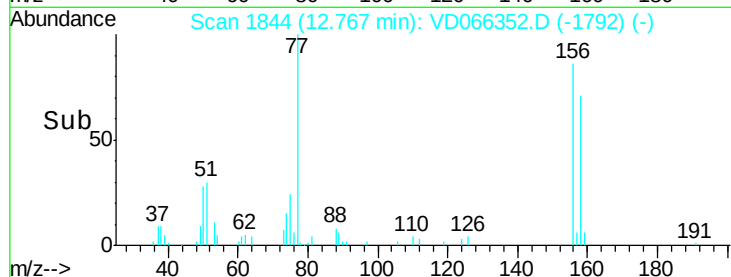
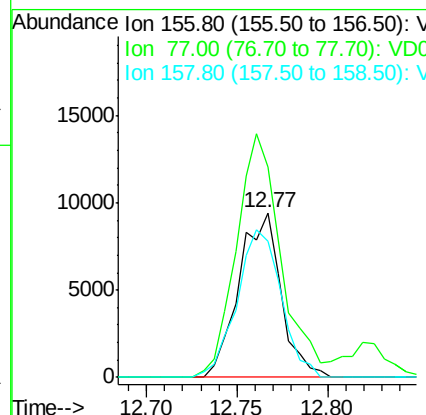
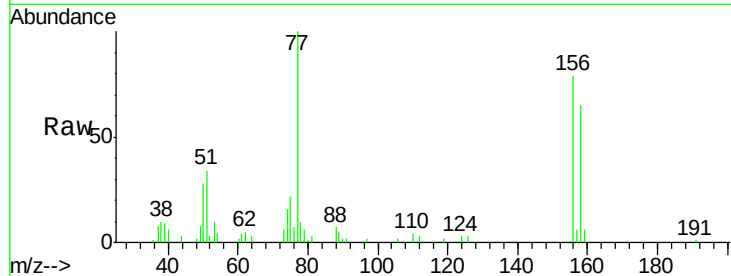
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	157.7	76.1	228.3		
158	94.3	47.6	142.9		

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#78

n-propylbenzene

Concen: 5.142 ug/l

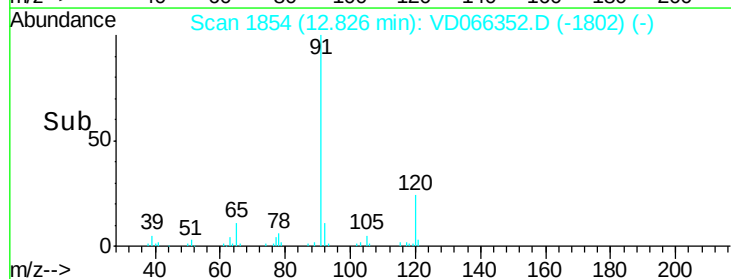
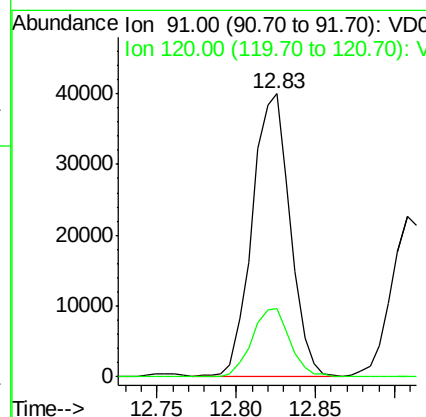
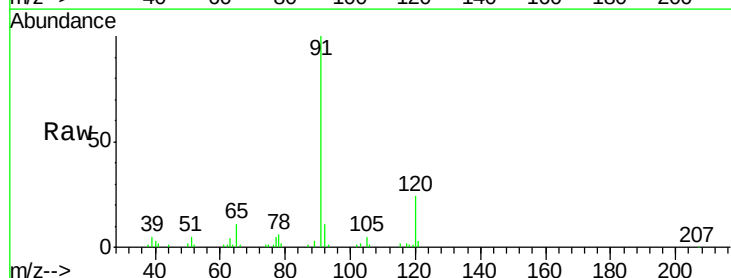
RT: 12.83 min Scan# 1854

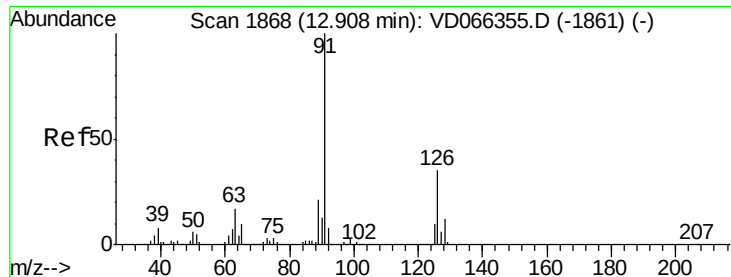
Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	24.0	12.0	36.0		





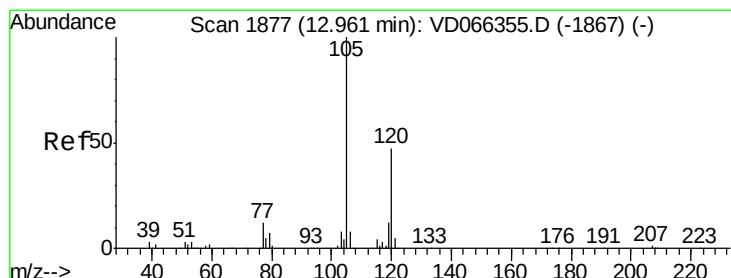
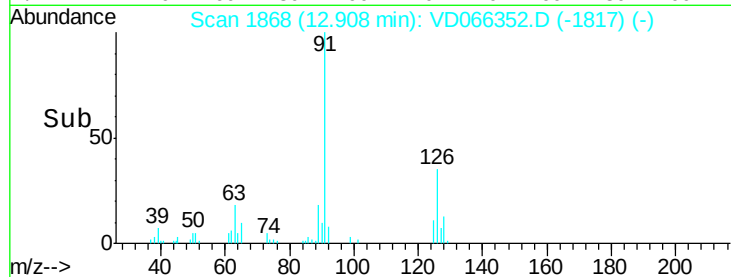
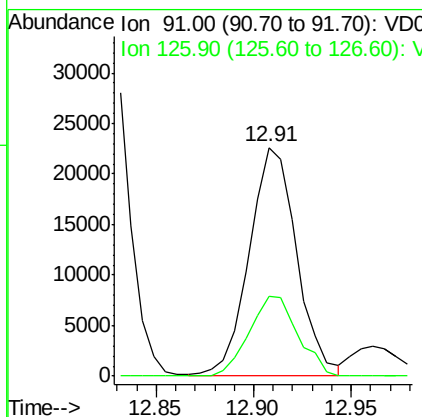
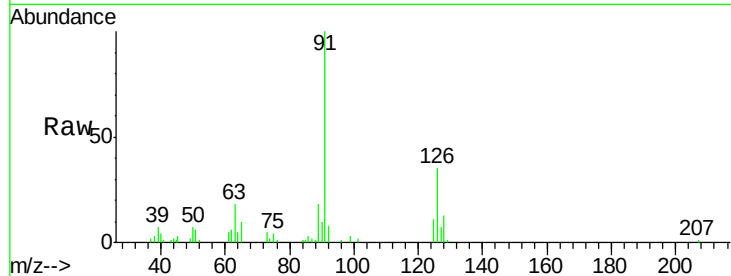
#79
2-Chlorotoluene
Concen: 5.177 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 38250
Ion Ratio Lower Upper
91 100
126 35.5 17.7 53.1

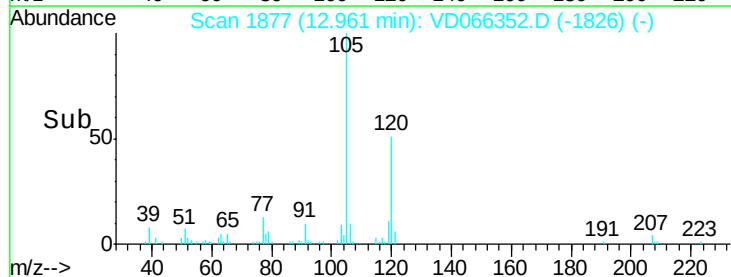
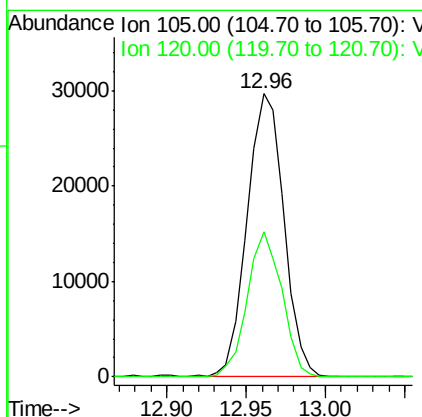
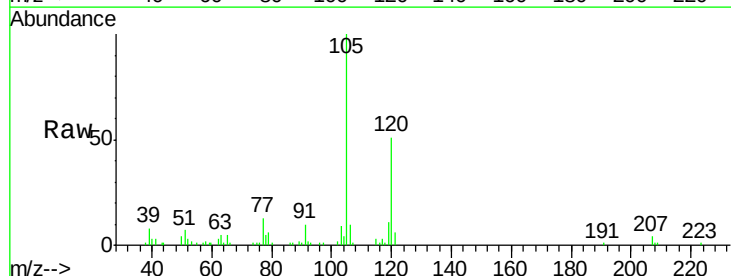
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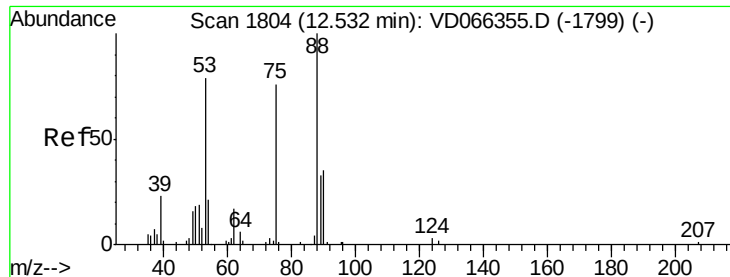
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 5.109 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion: 105 Resp: 48018
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.561 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

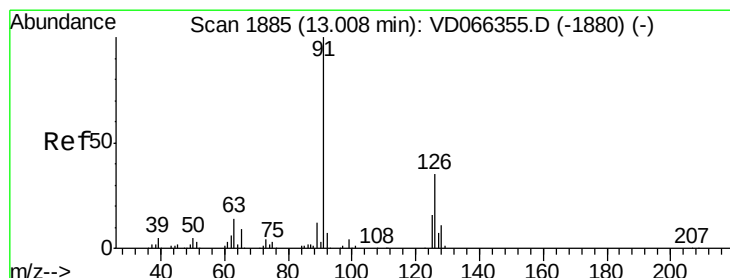
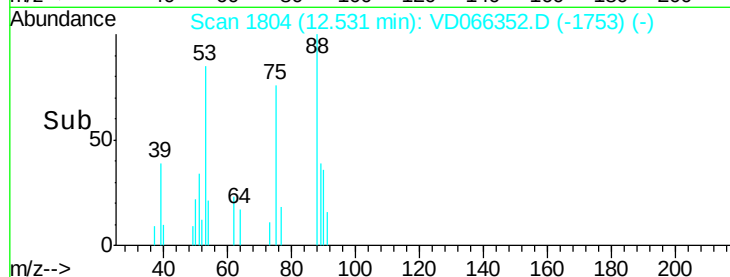
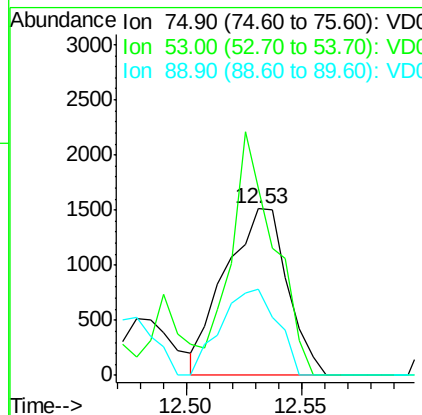
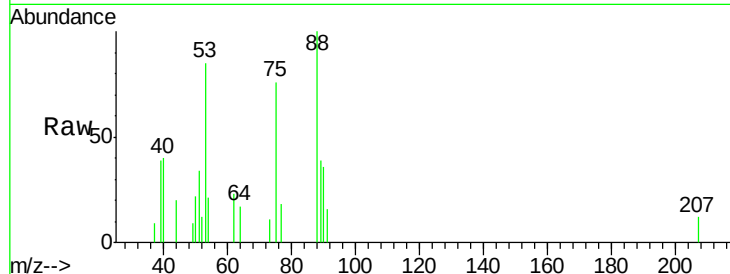
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	87.4	131.2
89	47.1	39.4	59.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.149 ug/l

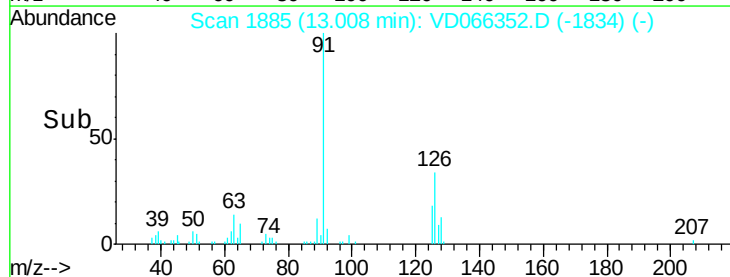
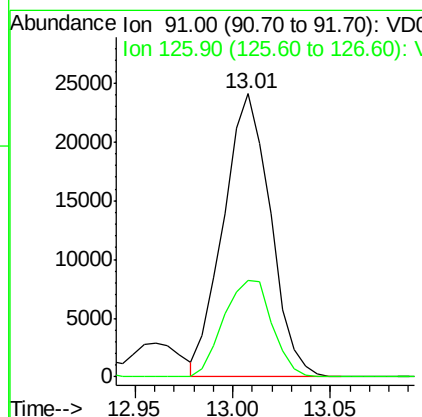
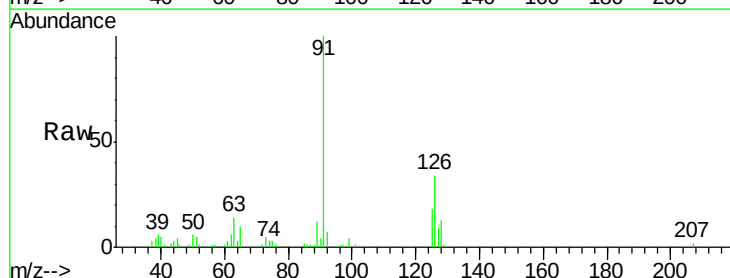
RT: 13.01 min Scan# 1885

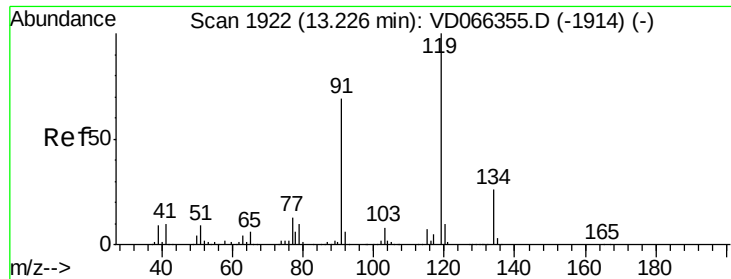
Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.2





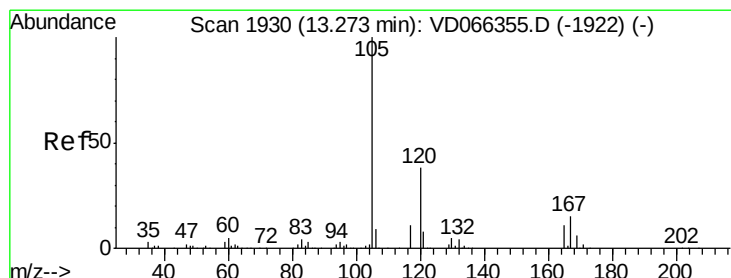
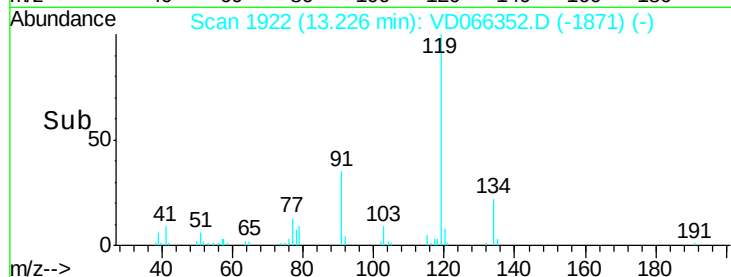
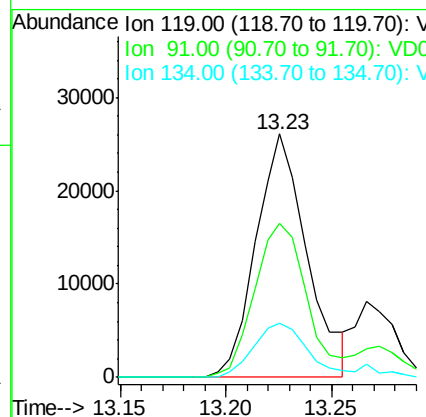
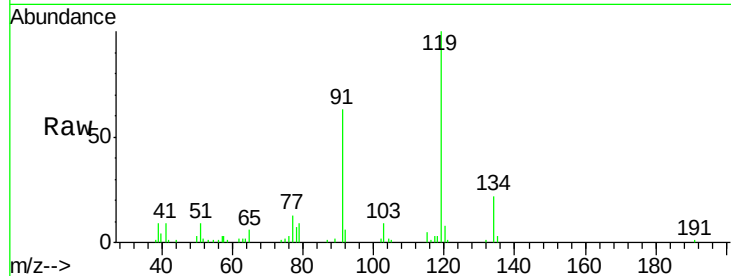
#83
 tert-Butylbenzene
 Concen: 5.326 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	33.5	100.5
134	23.7	13.5	40.4

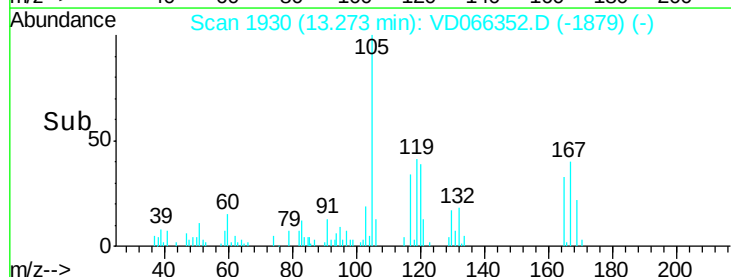
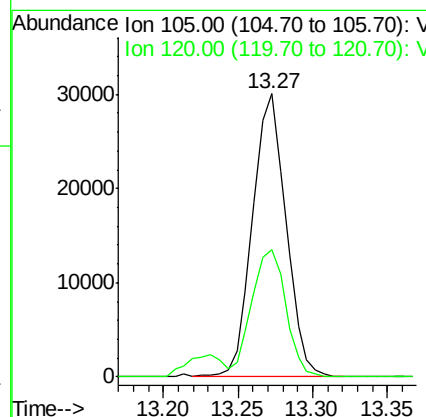
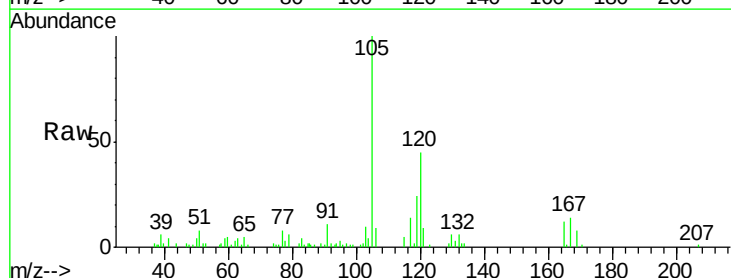
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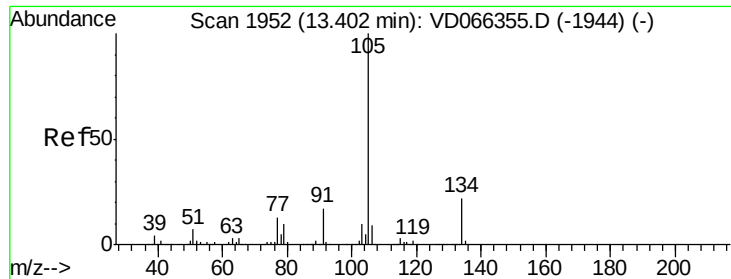
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.987 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.6	67.7





#85

sec-Butylbenzene

Concen: 4.856 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 53768

Ion Ratio Lower Upper

105 100

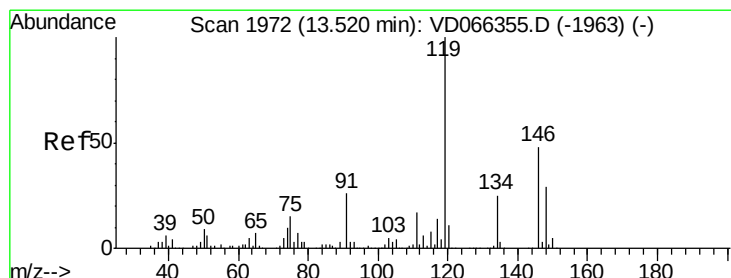
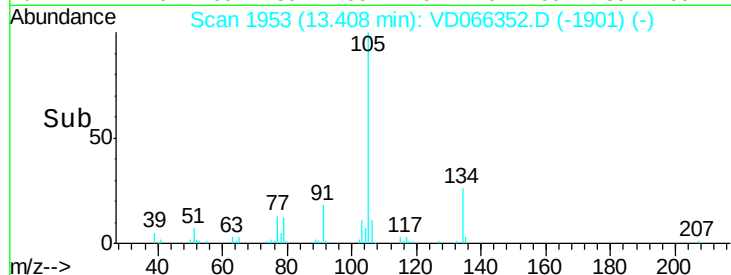
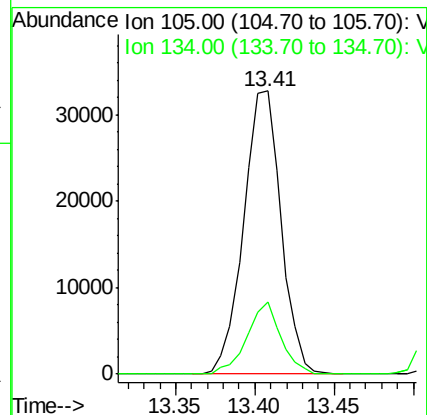
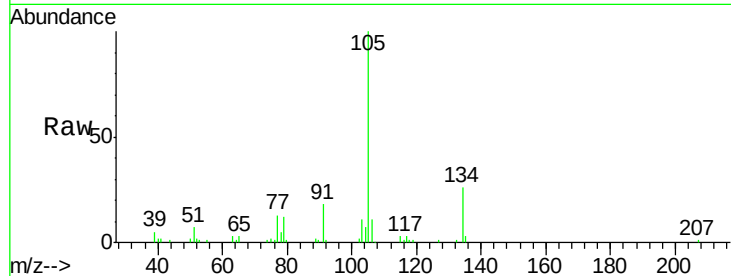
134 22.8 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 5.143 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066352.D

Acq: 21 Aug 2020 10:58

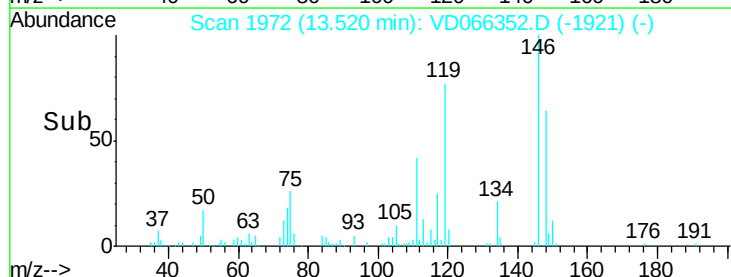
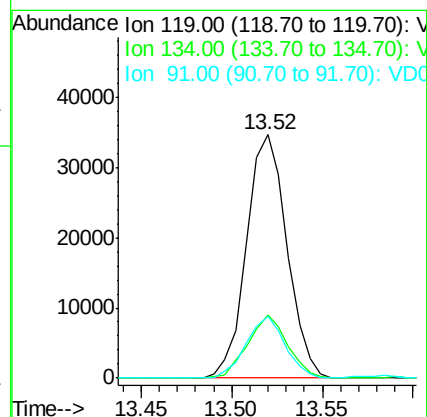
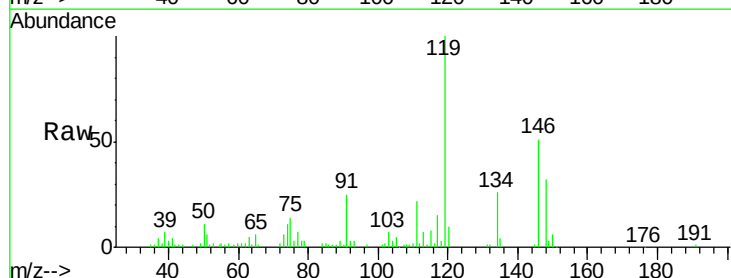
Tgt Ion:119 Resp: 53687

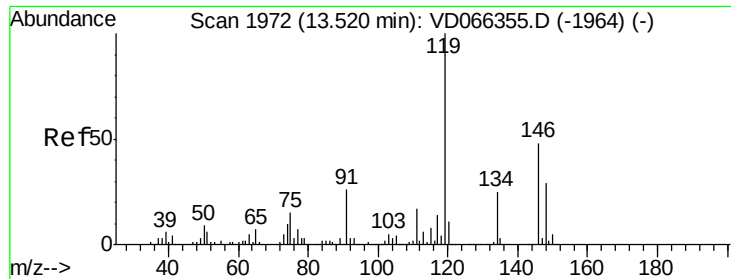
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.4 12.7 38.0





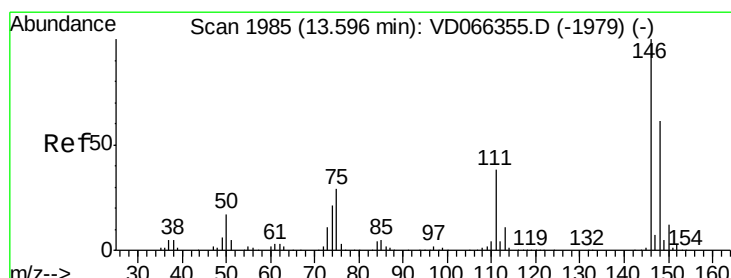
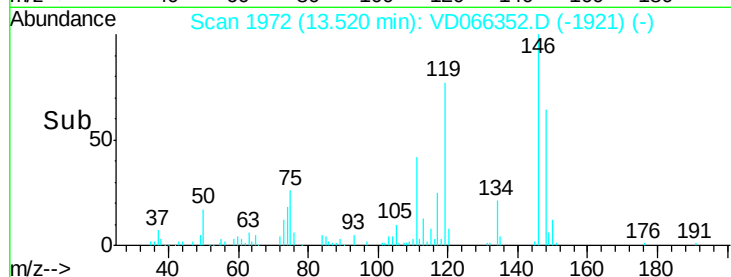
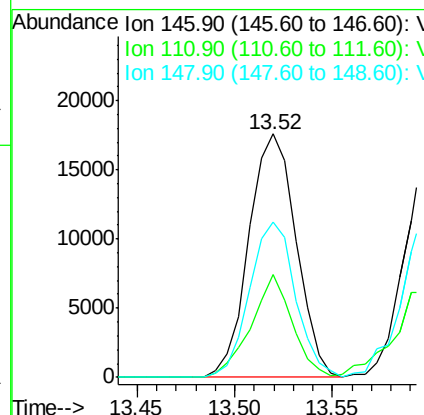
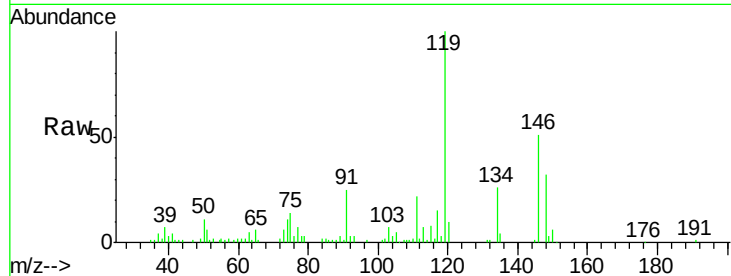
#87
 1,3-Dichlorobenzene
 Concen: 5.451 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	62.1	31.8	95.3

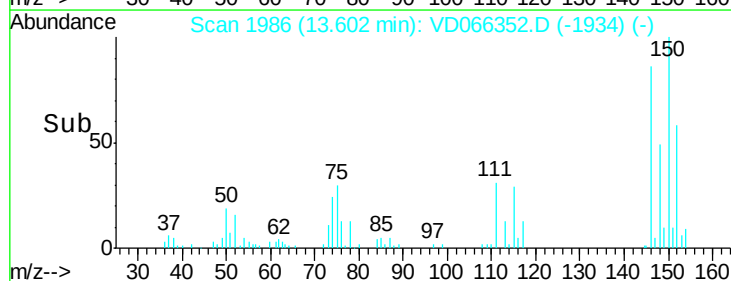
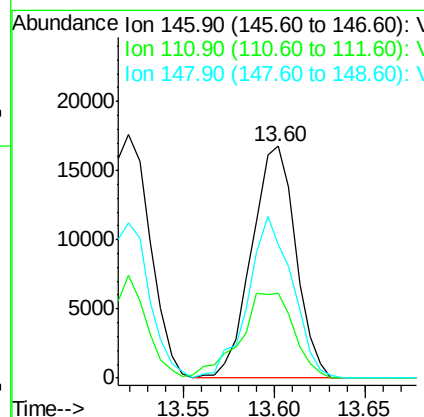
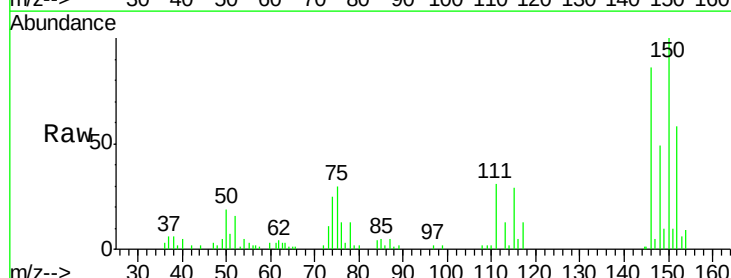
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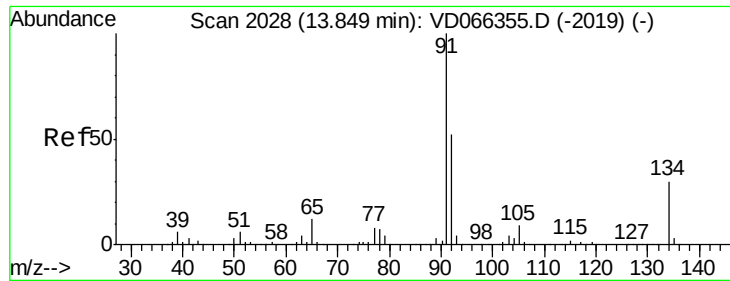
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#88
 1,4-Dichlorobenzene
 Concen: 5.275 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	19.1	57.5
148	70.1	32.1	96.3





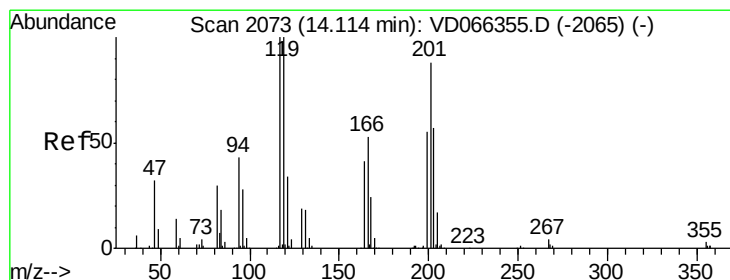
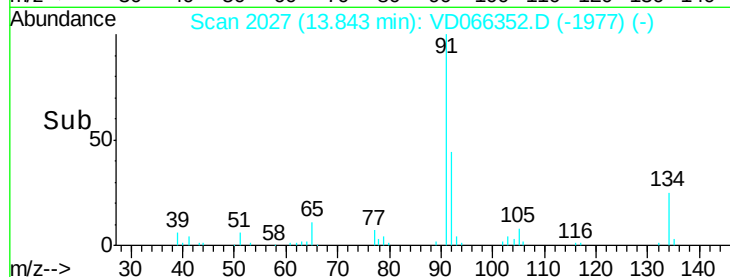
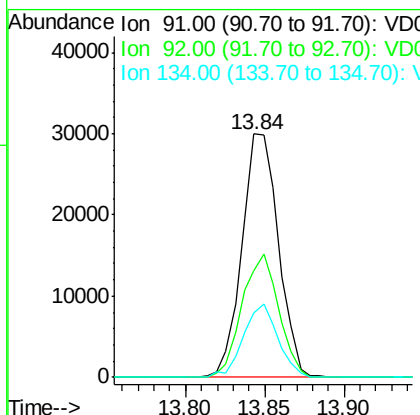
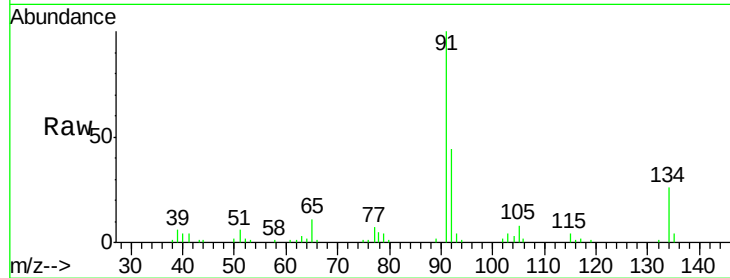
#89
n-Butylbenzene
Concen: 5.161 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100	48113		
92	50.6	26.4	79.0	
134	28.2	14.4	43.4	

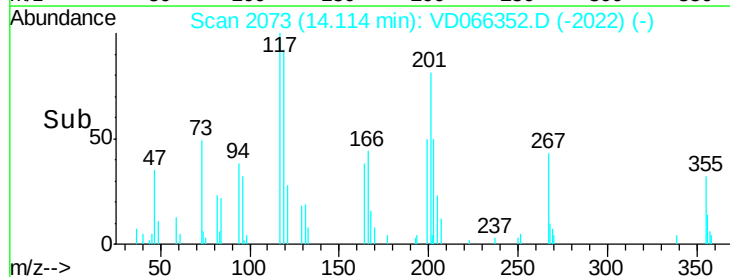
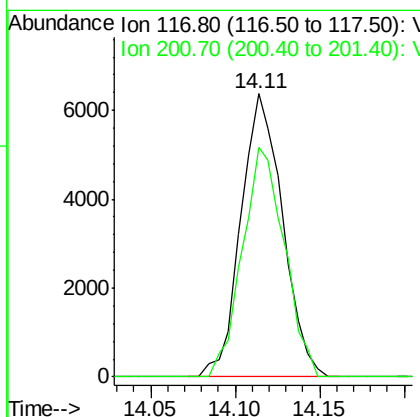
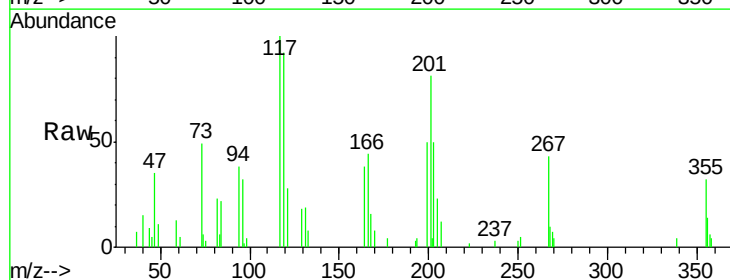
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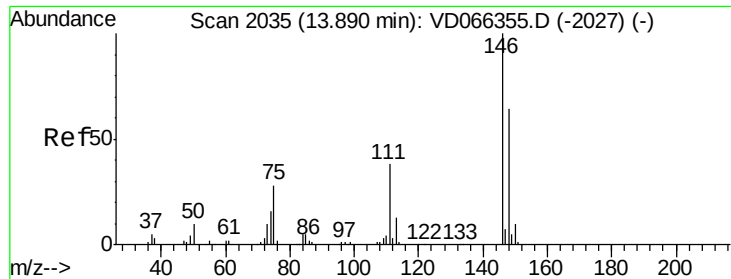
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#90
Hexachloroethane
Concen: 5.246 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	10899		
201	82.2	45.4	136.2	





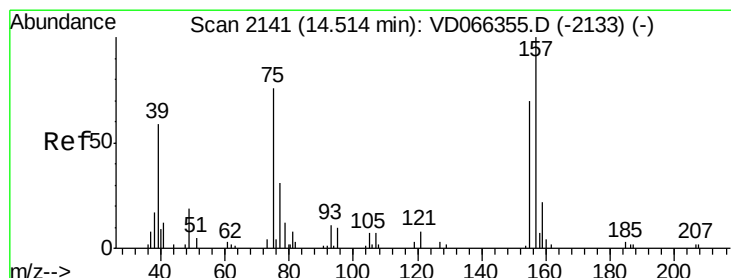
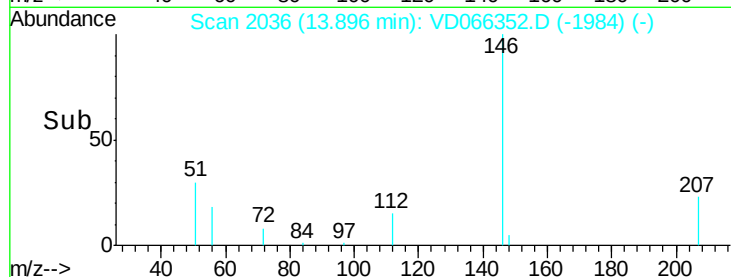
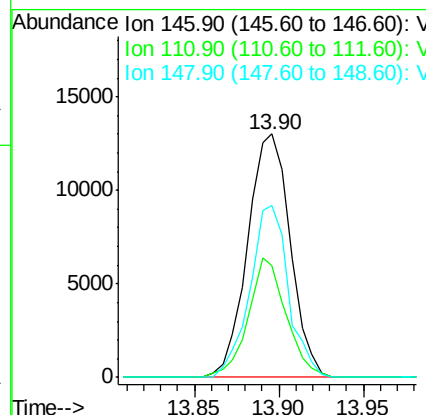
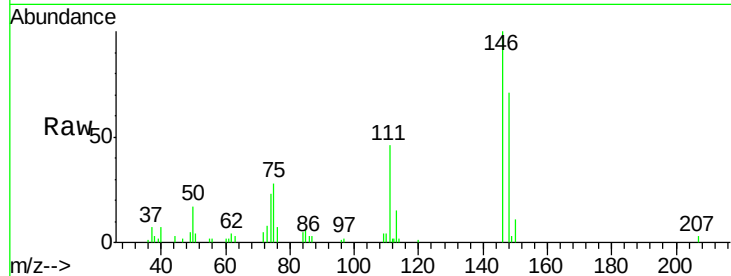
#91
 1,2-Dichlorobenzene
 Concen: 4.813 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	19.9	59.7
148	64.1	32.6	97.8

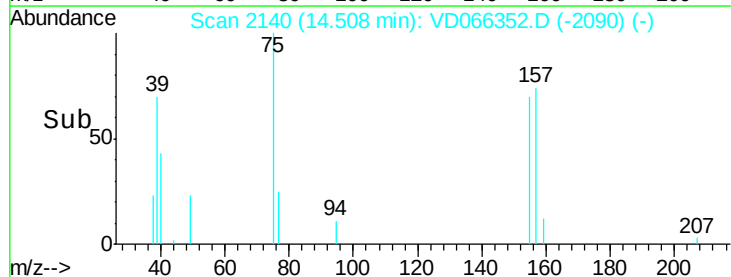
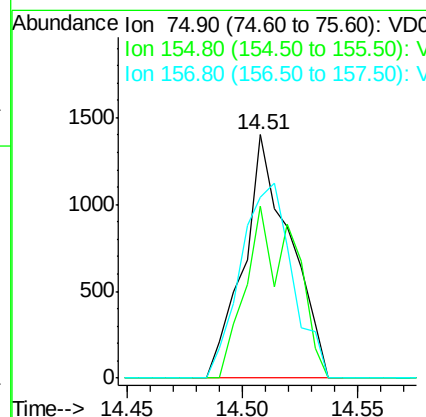
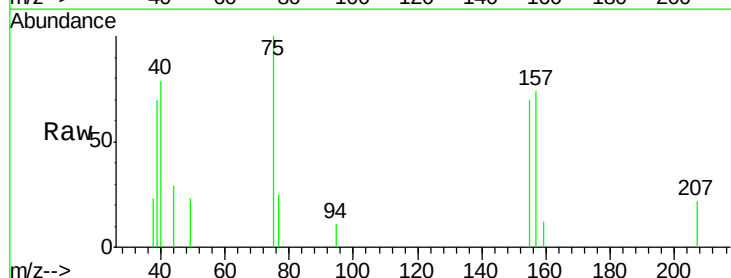
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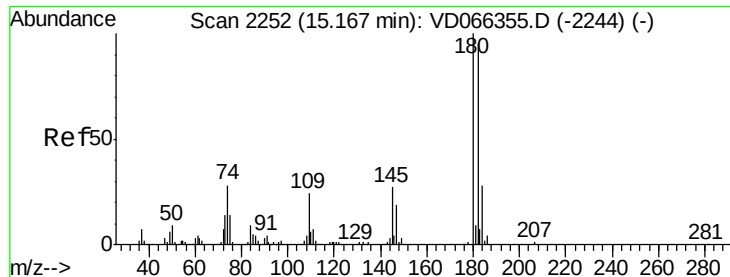
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.000 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	46.9	140.6
157	89.0	61.0	183.0





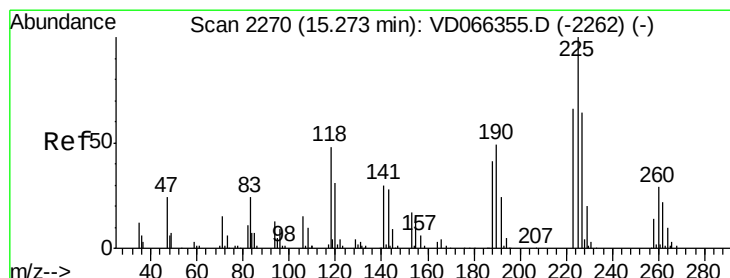
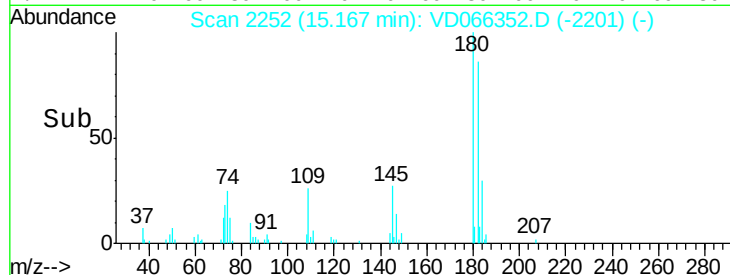
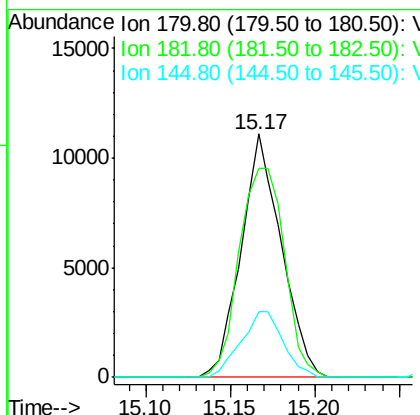
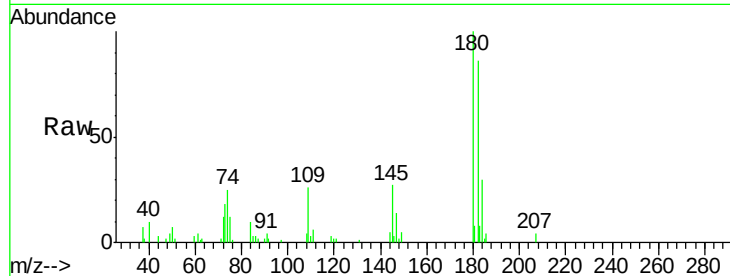
#93
 1,2,4-Trichlorobenzene
 Concen: 5.223 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	18443		
182	96.6	48.0	144.0	
145	28.3	15.2	45.6	

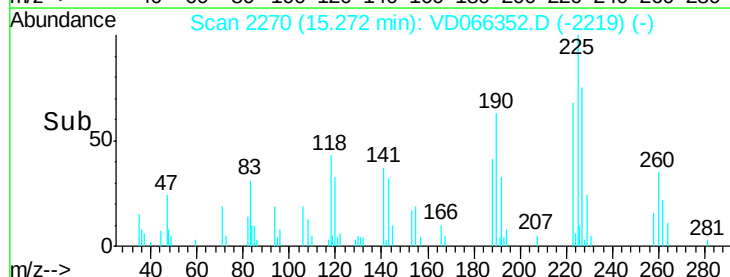
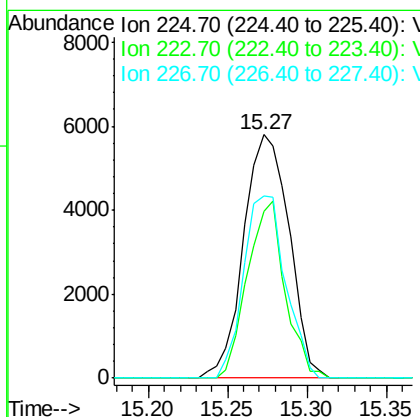
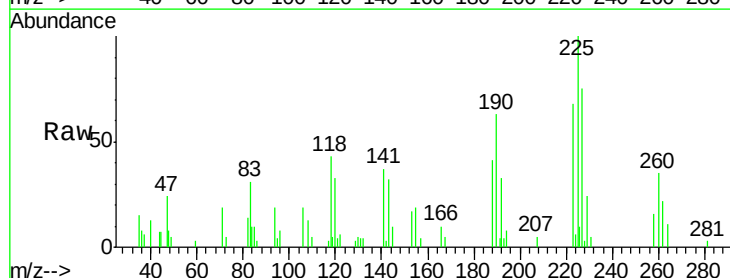
Manual Integrations
 APPROVED

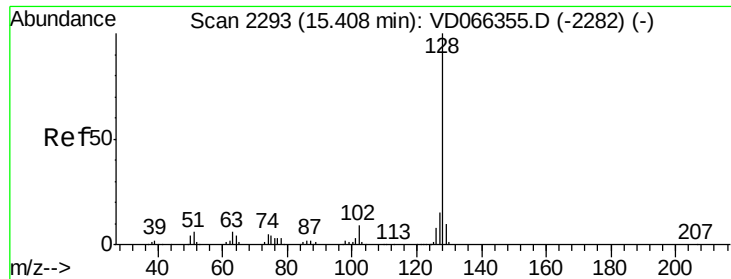
MMDadoda
 8/24/2020 4:36:29 PM



#94
 Hexachlorobutadiene
 Concen: 5.508 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066352.D
 Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11598		
223	60.1	32.5	97.4	
227	69.1	33.0	98.9	





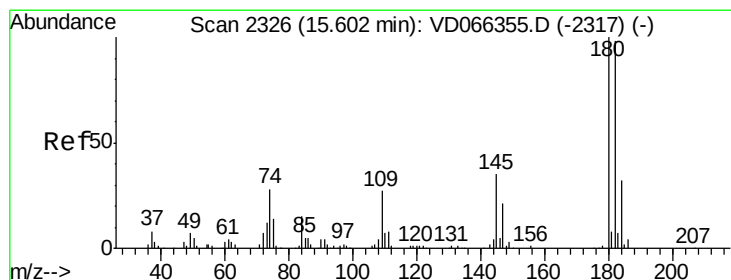
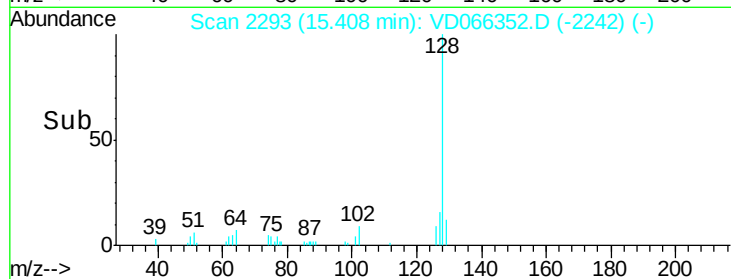
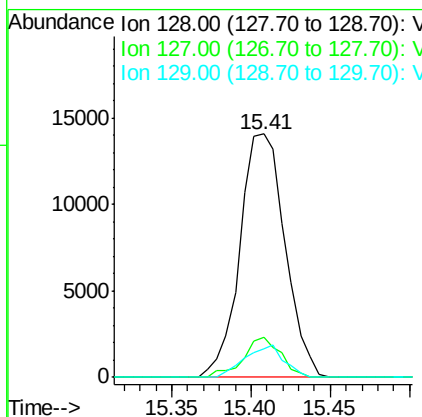
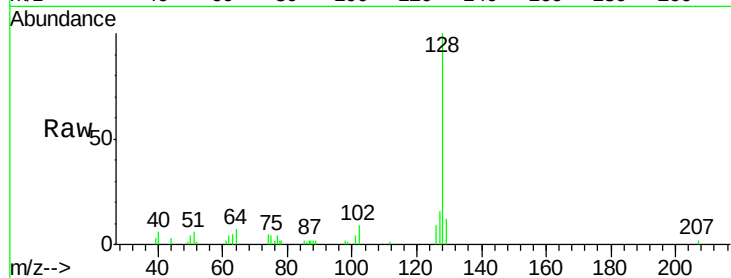
#95
Naphthalene
Concen: 4.880 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:36:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.865 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066352.D
Acq: 21 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.7	46.7	140.0
145	34.1	16.0	48.0

