

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066802.D
 Acq On : 22 Sep 2020 10:49
 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
 9/23/2020 1:04:53 PM

Quant Time: Sep 22 12:55:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	392580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	656995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	597146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279125	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	22603	5.51	ug/l	0.00
Spiked Amount			Recovery	=	11.02%	
35) Dibromofluoromethane	7.91	113	23112	5.71	ug/l	0.00
Spiked Amount			Recovery	=	11.42%	
50) Toluene-d8	10.34	98	73081	5.11	ug/l	0.00
Spiked Amount			Recovery	=	10.22%	
62) 4-Bromofluorobenzene	12.63	95	25934	5.24	ug/l	0.00
Spiked Amount			Recovery	=	10.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	20404	6.292	ug/l	96
3) Chloromethane	2.21	50	21350	5.144	ug/l #	83
4) Vinyl Chloride	2.35	62	21124	4.898	ug/l	96
5) Bromomethane	2.77	94	14549	4.768	ug/l	96
6) Chloroethane	2.93	64	12609	4.731	ug/l #	83
7) Trichlorofluoromethane	3.27	101	42925	5.622	ug/l	84
8) Diethyl Ether	3.71	74	9774	5.063	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.10	101	25585	6.064	ug/l #	88
10) Methyl Iodide	4.30	142	16664	4.226	ug/l	99
11) Tert butyl alcohol	5.20	59	13758	33.001	ug/l #	77
12) 1,1-Dichloroethene	4.07	96	20970	5.358	ug/l	91
13) Acrolein	3.92	56	7072	24.134	ug/l	87
14) Allyl chloride	4.71	41	28181	4.549	ug/l	97
15) Acrylonitrile	5.43	53	21755	25.662	ug/l	99
16) Acetone	4.16	43	24183	28.144	ug/l	93
17) Carbon Disulfide	4.41	76	60295	4.942	ug/l	98
18) Methyl Acetate	4.73	43	14958	7.267	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	40519	4.662	ug/l	98
20) Methylene Chloride	4.97	84	39646	6.906	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	23853	5.249	ug/l	93
22) Diisopropyl ether	6.37	45	54504	4.322	ug/l	94
23) Vinyl Acetate	6.30	43	90680	13.052	ug/l	97
24) 1,1-Dichloroethane	6.26	63	43441	5.382	ug/l	97
25) 2-Butanone	7.21	43	26579	24.301	ug/l #	85
26) 2,2-Dichloropropane	7.20	77	41517	5.582	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	23528	4.734	ug/l	82
28) Bromochloromethane	7.54	49	15074	4.867	ug/l	92
29) Tetrahydrofuran	7.56	42	16901	25.187	ug/l	97
30) Chloroform	7.71	83	47364	5.522	ug/l	97
31) Cyclohexane	7.98	56	41823	5.735	ug/l #	73
32) 1,1,1-Trichloroethane	7.90	97	42241	5.383	ug/l	99
36) 1,1-Dichloropropene	8.11	75	34157	5.075	ug/l	95
37) Ethyl Acetate	7.30	43	12227	4.804	ug/l	98
38) Carbon Tetrachloride	8.10	117	38744	5.408	ug/l	94

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 VSTDIC005

Manual Integrations
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Quant Time: Sep 22 12:55:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	35644	4.632	ug/l	87
40) Benzene	8.34	78	93475	5.107	ug/l #	86
41) Methacrylonitrile	7.51	41	6293	4.575	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	29208	5.201	ug/l	99
43) Isopropyl Acetate	8.44	43	23450	4.884	ug/l	97
44) Trichloroethene	9.11	130	27608	5.596	ug/l	91
45) 1,2-Dichloropropane	9.38	63	24045	5.292	ug/l	100
46) Dibromomethane	9.47	93	12179	4.867	ug/l	90
47) Bromodichloromethane	9.66	83	34739	5.134	ug/l	98
48) Methyl methacrylate	9.45	41	11291	4.699	ug/l	87
49) 1,4-Dioxane	9.47	88	3983	148.312	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	58961	23.869	ug/l	97
52) Toluene	10.40	92	57671	4.917	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	26824	4.453	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	33619	4.698	ug/l #	93
55) 1,1,2-Trichloroethane	10.80	97	18610	5.613	ug/l #	90
56) Ethyl methacrylate	10.65	69	16647	4.483	ug/l #	94
57) 1,3-Dichloropropane	10.94	76	28205	4.911	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	41357	25.014	ug/l	92
59) 2-Hexanone	10.98	43	36363	21.906	ug/l	98
60) Dibromochloromethane	11.14	129	24146	5.623	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15912	5.031	ug/l	96
64) Tetrachloroethene	10.87	164	24448	5.954	ug/l	94
65) Chlorobenzene	11.67	112	66236	5.370	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	24534	5.345	ug/l	98
67) Ethyl Benzene	11.74	91	105899	4.754	ug/l	99
68) m/p-Xylenes	11.85	106	78379	9.284	ug/l	99
69) o-Xylene	12.18	106	34942	4.670	ug/l	99
70) Styrene	12.20	104	60923	4.637	ug/l	97
71) Bromoform	12.36	173	12301	5.323	ug/l #	95
73) Isopropylbenzene	12.48	105	93971	4.527	ug/l	94
74) N-amyl acetate	12.28	43	18719	4.293	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	18425	5.166	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	14284m	5.944	ug/l	
77) Bromobenzene	12.76	156	23927	4.954	ug/l	95
78) n-propylbenzene	12.82	91	116598	4.619	ug/l	97
79) 2-Chlorotoluene	12.91	91	69238	4.852	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	78498	4.479	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4139	3.788	ug/l	88
82) 4-Chlorotoluene	13.00	91	71425	4.721	ug/l	100
83) tert-Butylbenzene	13.23	119	66371	4.584	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	79217	4.520	ug/l	98
85) sec-Butylbenzene	13.40	105	96484	4.658	ug/l	98
86) p-Isopropyltoluene	13.52	119	83288	4.426	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	50123	5.432	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	53078	5.771	ug/l	97
89) n-Butylbenzene	13.84	91	84798	4.757	ug/l	95
90) Hexachloroethane	14.11	117	19198	4.989	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	42121	5.324	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3139	5.502	ug/l	96

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

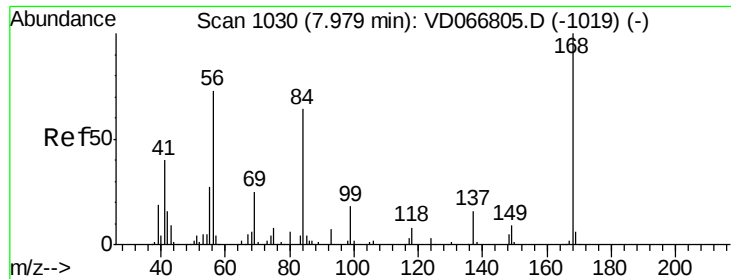
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	23994	5.010	ug/l	99
94) Hexachlorobutadiene	15.27	225	16127	5.581	ug/l	98
95) Naphthalene	15.41	128	37566	4.450	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	20566	4.877	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. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 392580

Ion Ratio Lower Upper

168 100

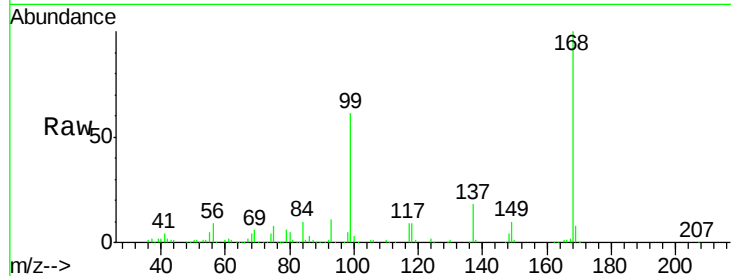
99 60.8 46.6 69.8

Manual Integrations

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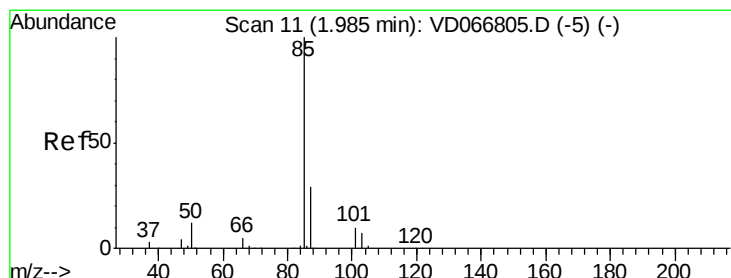
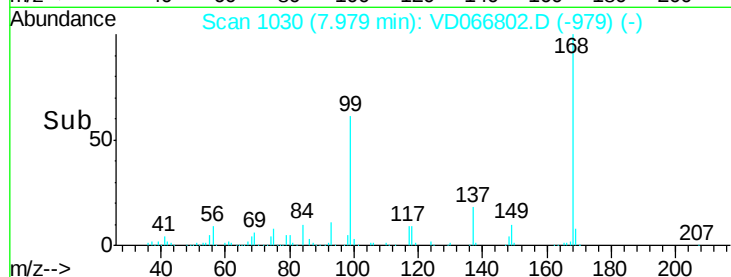
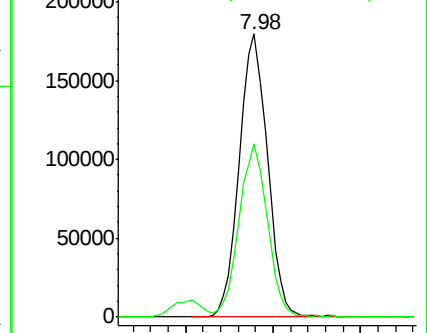
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 6.292 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066802.D

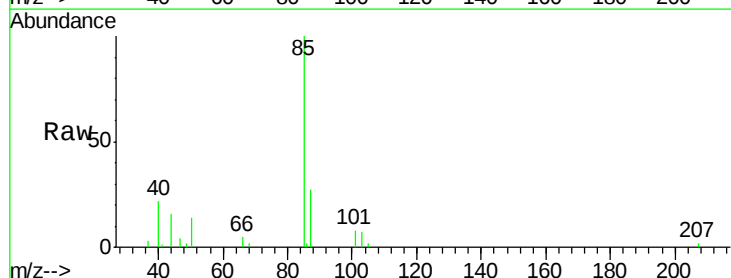
Acq: 22 Sep 2020 10:49

Tgt Ion: 85 Resp: 20404

Ion Ratio Lower Upper

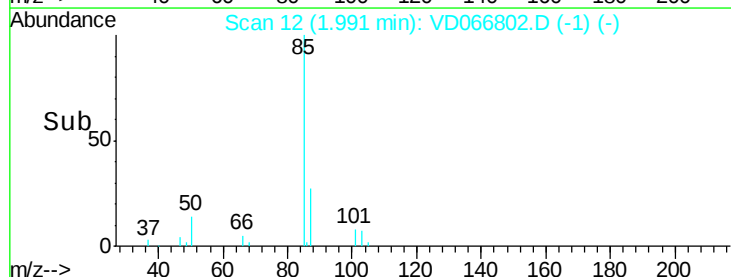
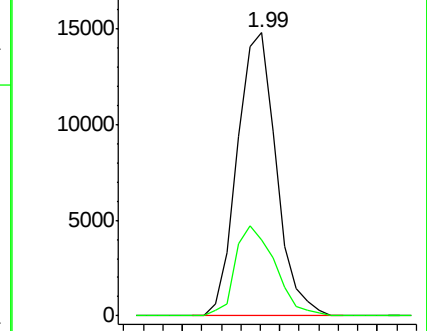
85 100

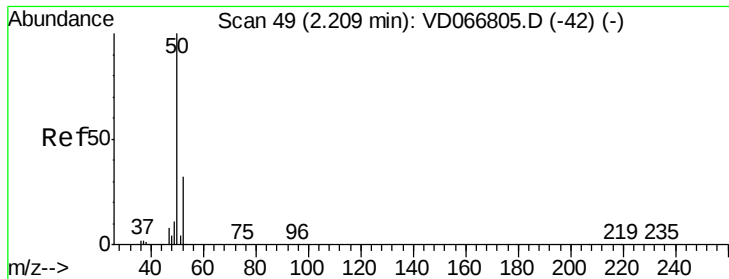
87 26.7 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.144 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 21350

Ion Ratio Lower Upper

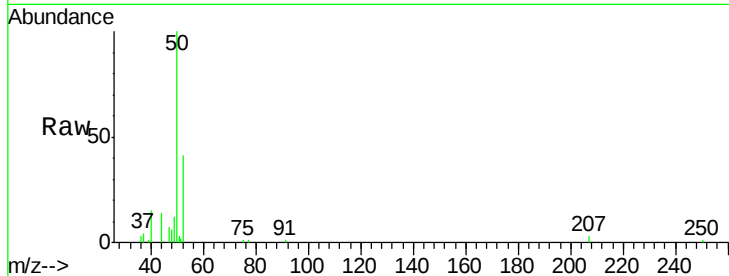
50 100

52 41.5 25.5 38.3#

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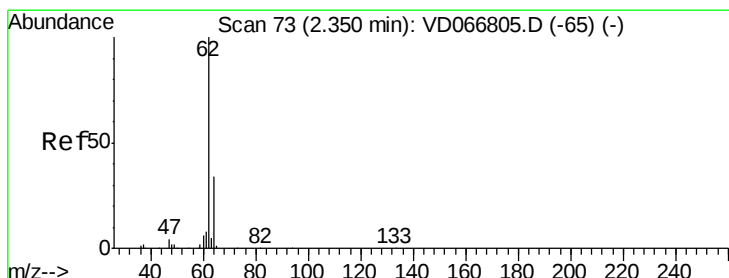
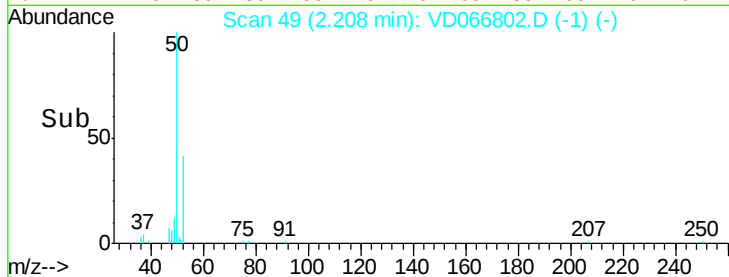
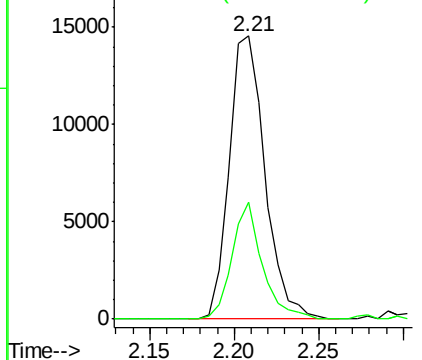
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.898 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066802.D

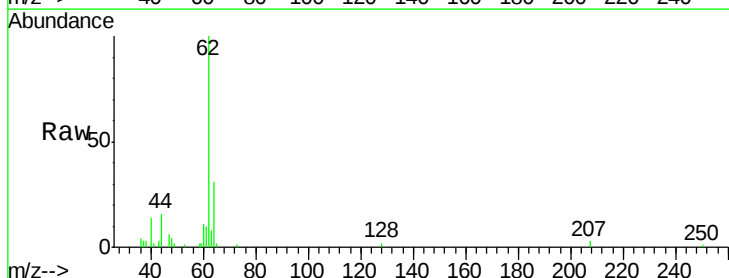
Acq: 22 Sep 2020 10:49

Tgt Ion: 62 Resp: 21124

Ion Ratio Lower Upper

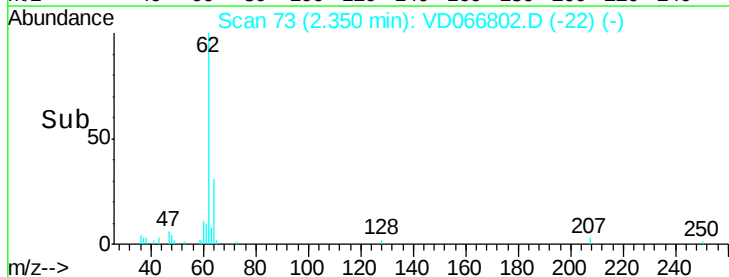
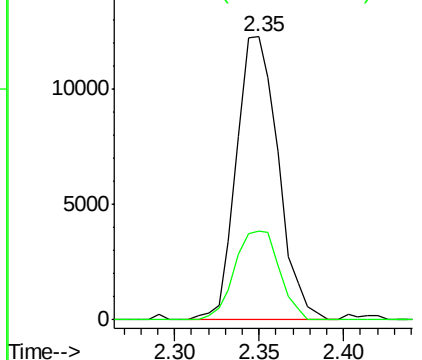
62 100

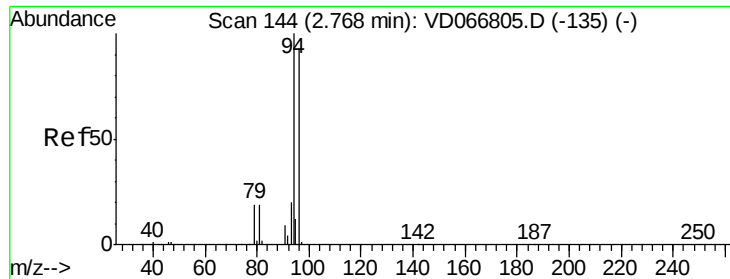
64 31.2 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 4.768 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14549

Ion Ratio Lower Upper

94 100

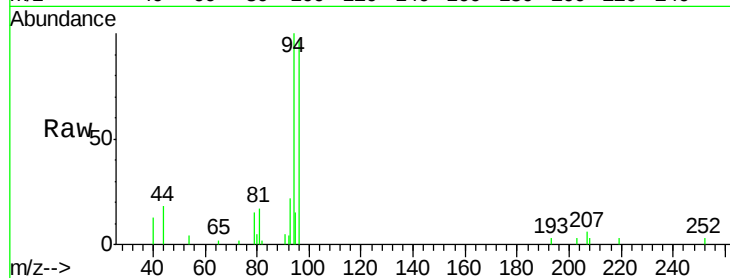
96 96.8 74.3 111.5

Manual Integrations

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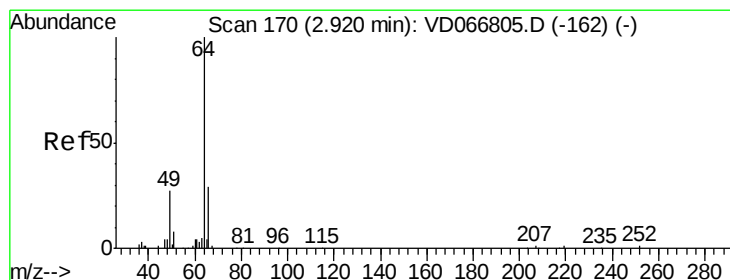
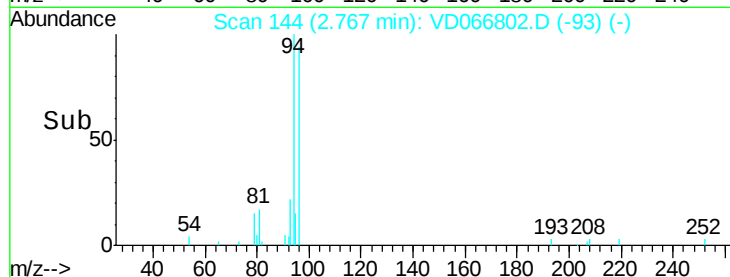
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 4.731 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066802.D

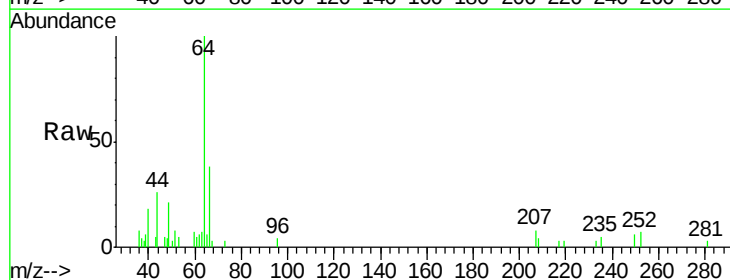
Acq: 22 Sep 2020 10:49

Tgt Ion: 64 Resp: 12609

Ion Ratio Lower Upper

64 100

66 38.3 23.3 34.9#



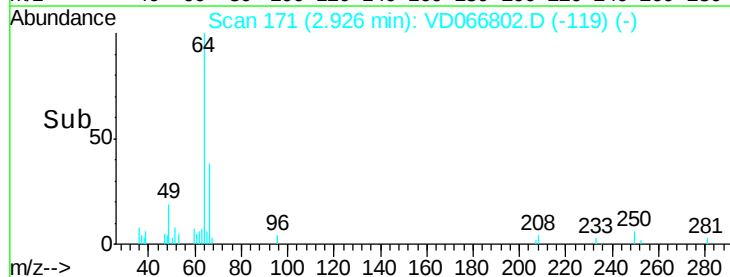
Abundance Ion 63.90 (63.60 to 64.60): VDC

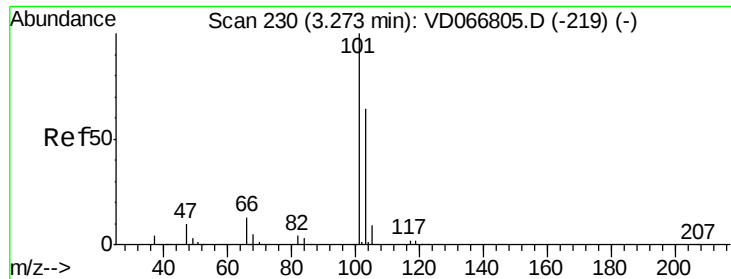
Ion 65.90 (65.60 to 66.60): VDC

2.93

2.85 2.90 2.95 3.00

Time-->





#7

Trichlorofluoromethane

Concen: 5.622 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 42925

Ion Ratio Lower Upper

101 100

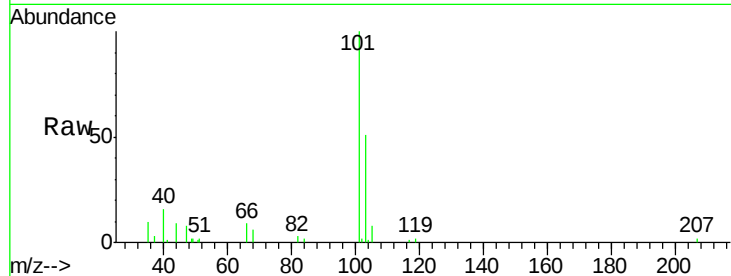
103 51.5 51.0 76.6

Manual Integrations

APPROVED

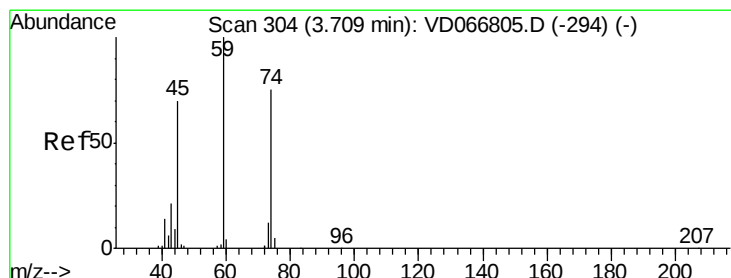
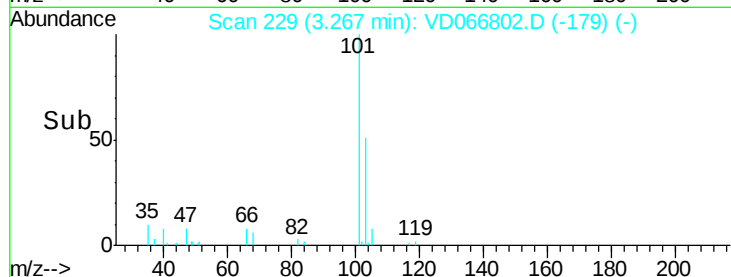
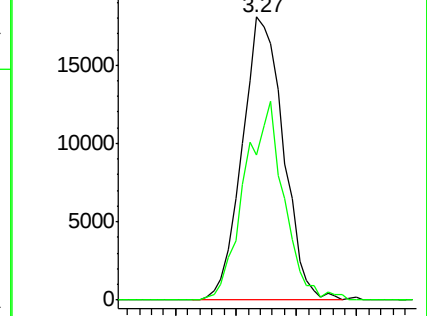
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.063 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD066802.D

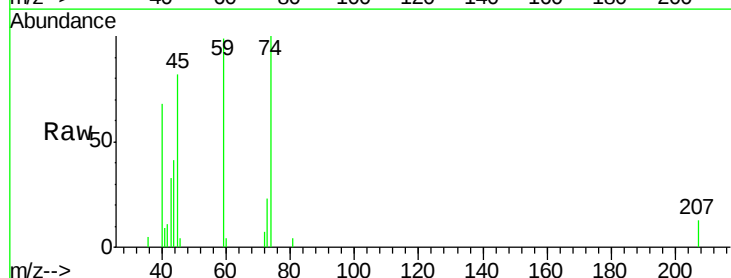
Acq: 22 Sep 2020 10:49

Tgt Ion: 74 Resp: 9774

Ion Ratio Lower Upper

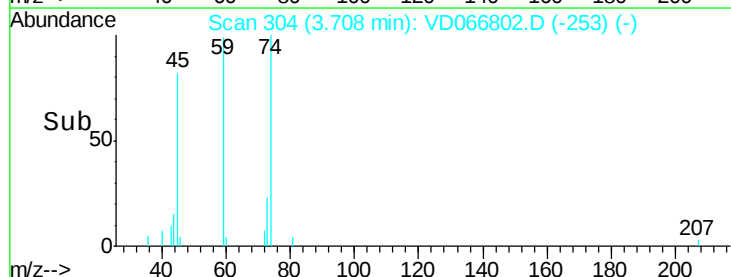
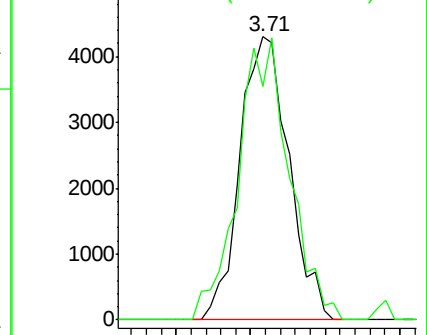
74 100

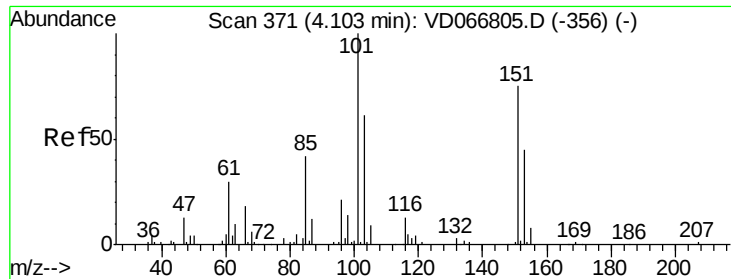
45 103.9 46.0 138.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.064 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

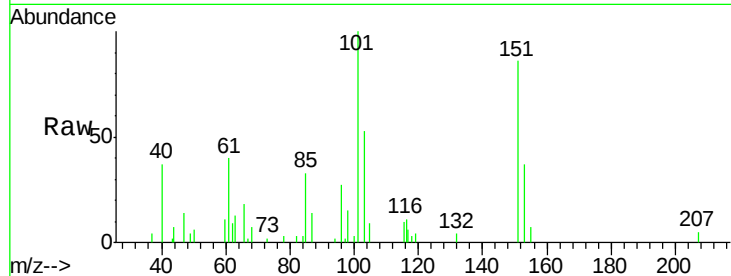
ClientSampleId :

VSTDIC005

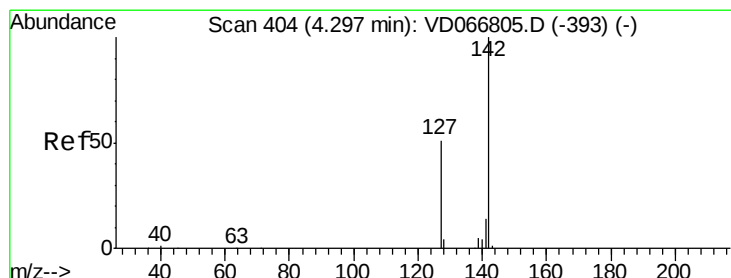
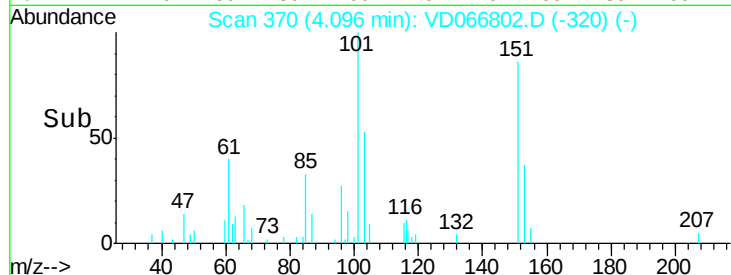
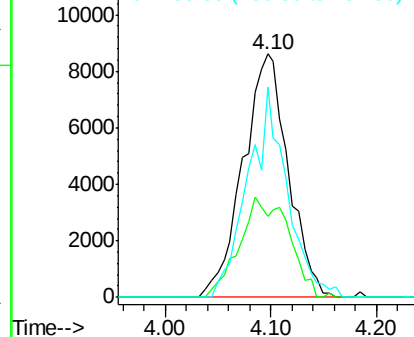
Tot Ion:	101	Resp:	25585
Ion Ratio	Lower	Upper	
101	100		
85	25.9	35.4	53.2#
151	74.8	61.4	92.0

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



#10

Methyl Iodide

Concen: 4.226 ug/l

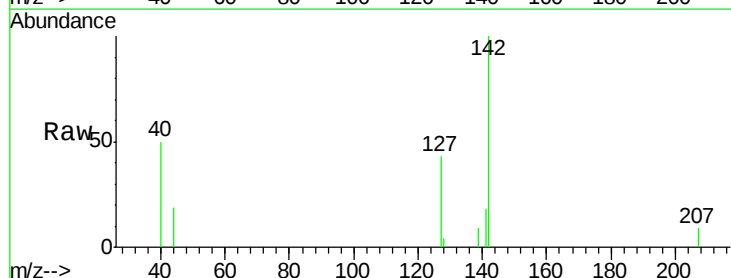
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

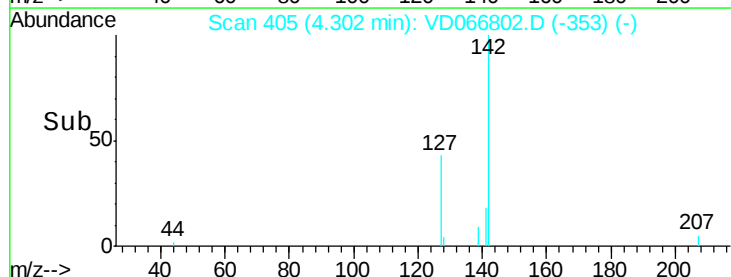
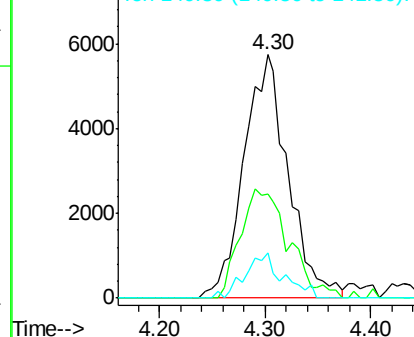
Lab File: VD066802.D

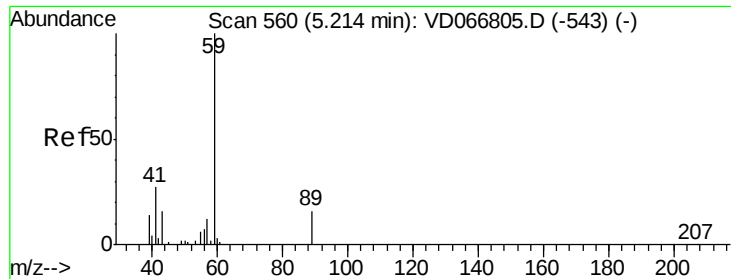
Acq: 22 Sep 2020 10:49

Tgt Ion:	142	Resp:	16664
Ion Ratio	Lower	Upper	
142	100		
127	48.9	39.4	59.0
141	15.8	12.1	18.1



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





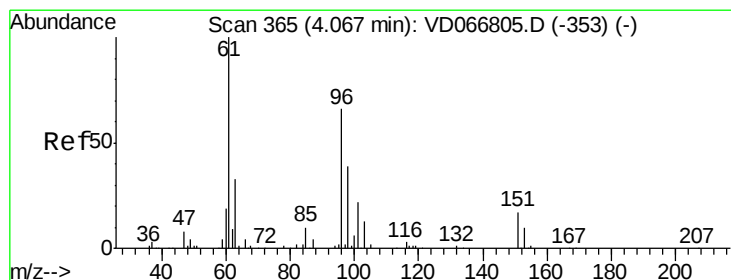
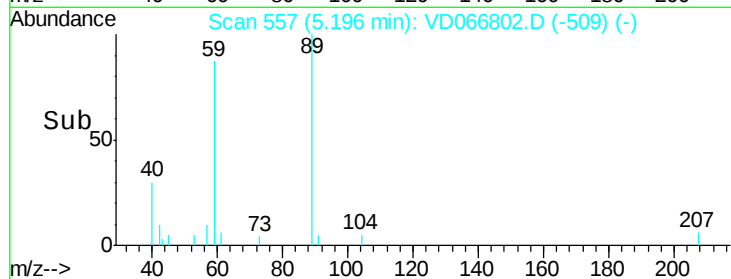
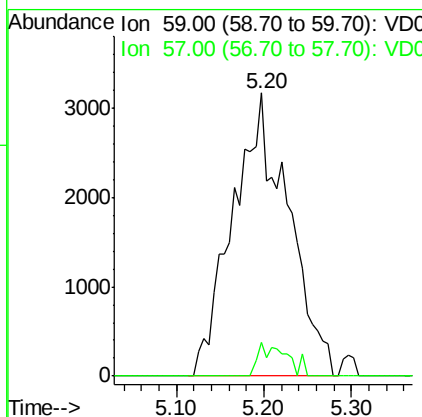
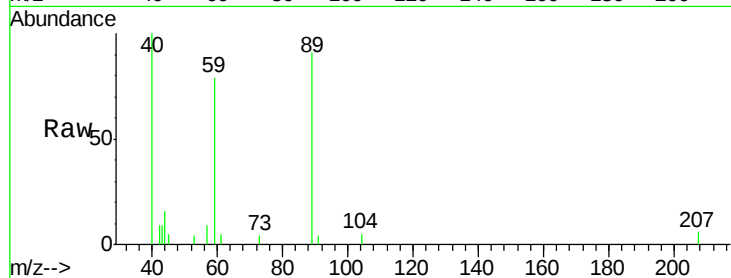
#11
Tert butyl alcohol
Concen: 33.001 ug/l
RT: 5.20 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 13758
Ion Ratio Lower Upper
59 100
57 2.0 8.3 12.5#

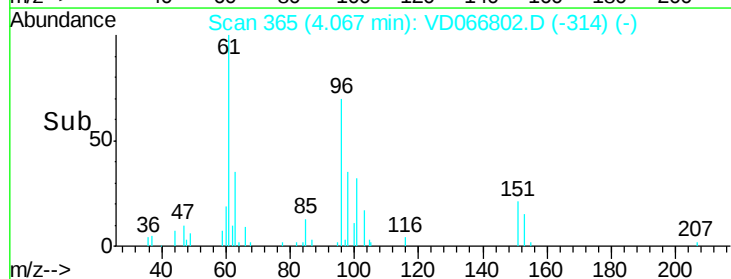
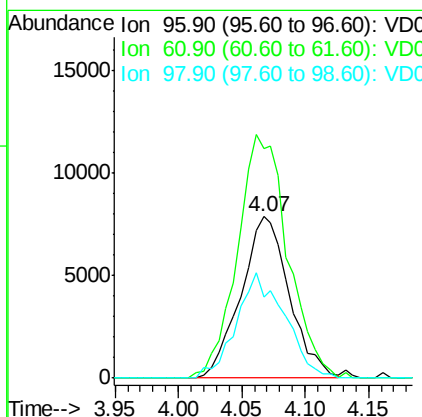
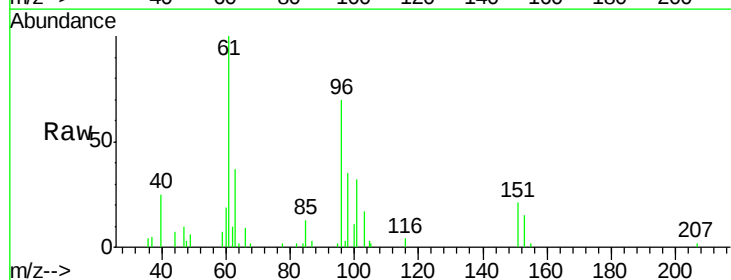
Manual Integrations
APPROVED

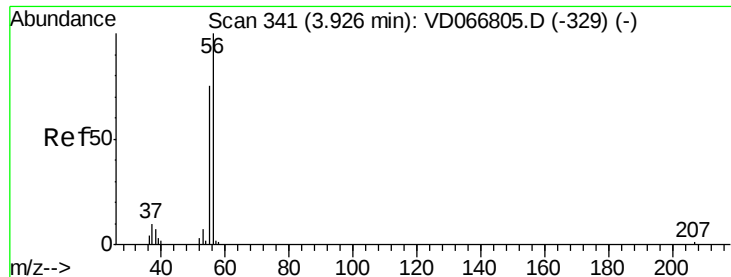
MMDadoda
9/23/2020 1:04:53 PM



#12
1,1-Dichloroethene
Concen: 5.358 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion: 96 Resp: 20970
Ion Ratio Lower Upper
96 100
61 142.2 120.8 181.2
98 49.9 47.7 71.5





#13

Acrolein

Concen: 24.134 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7072

Ion Ratio Lower Upper

56 100

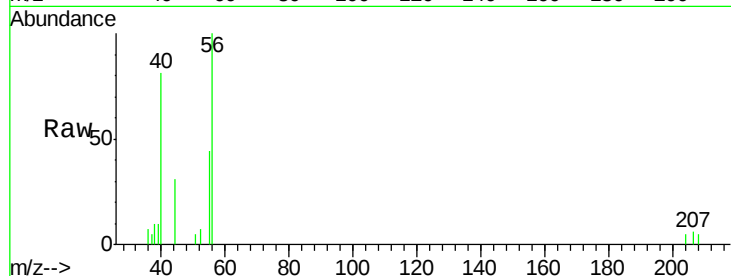
55 64.1 60.3 90.5

Manual Integrations

APPROVED

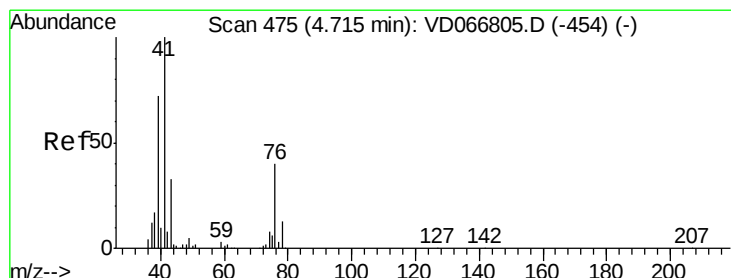
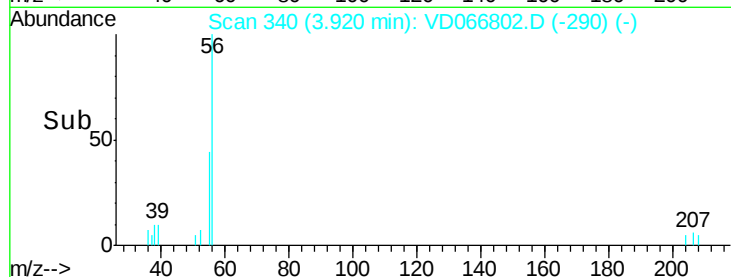
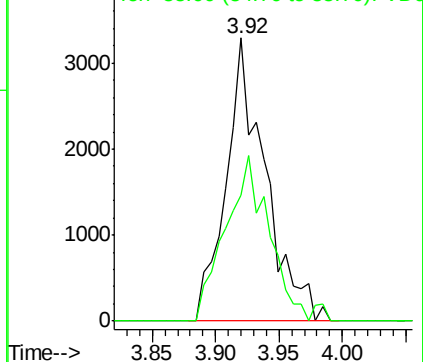
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.549 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

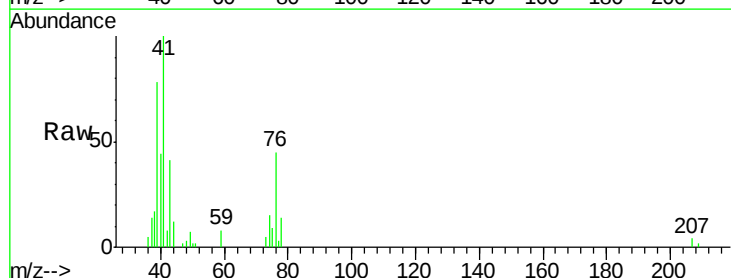
Tgt Ion: 41 Resp: 28181

Ion Ratio Lower Upper

41 100

39 75.6 57.8 86.8

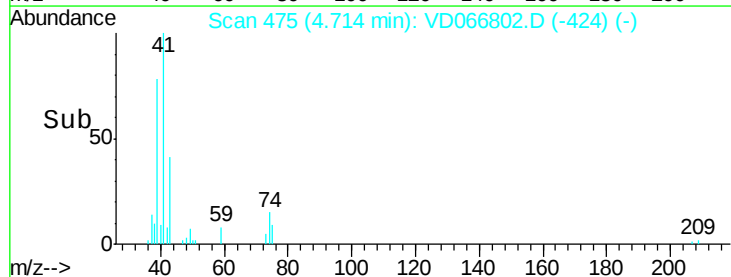
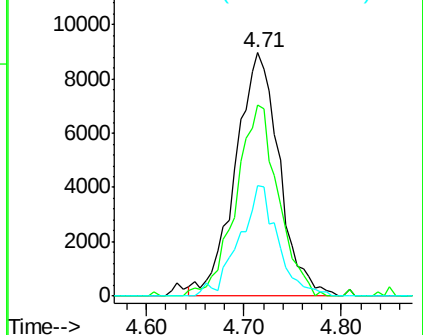
76 40.1 30.9 46.3

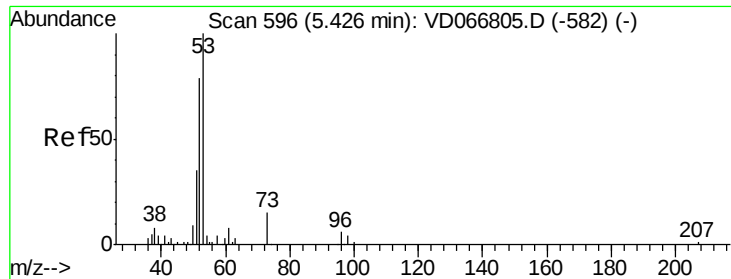


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 25.662 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

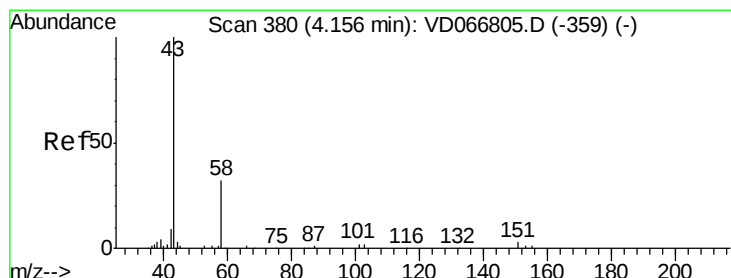
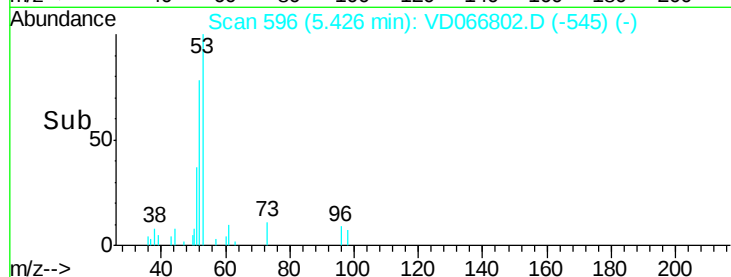
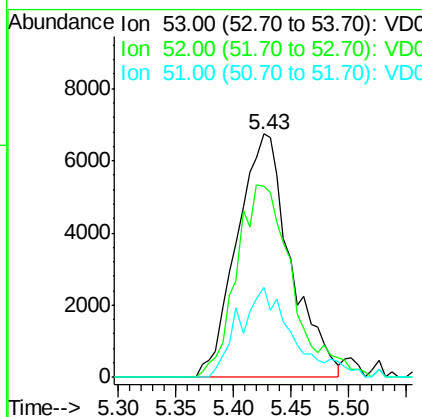
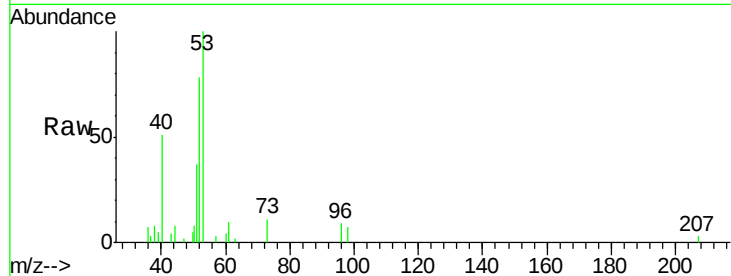
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	21755
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.2	97.8
51	37.5	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 28.144 ug/l

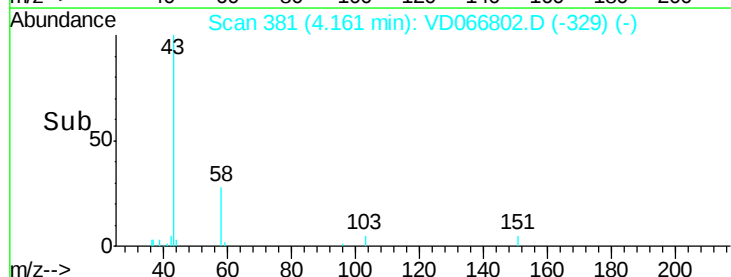
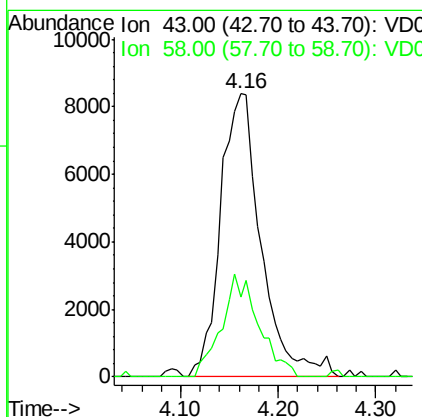
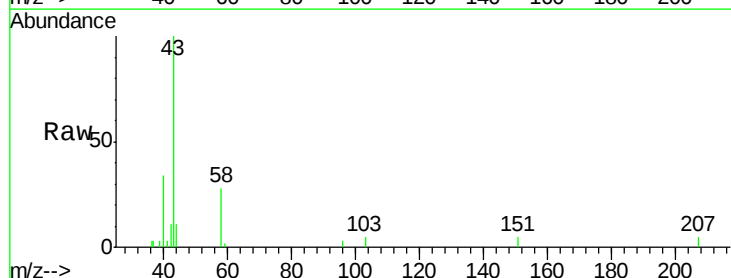
RT: 4.16 min Scan# 381

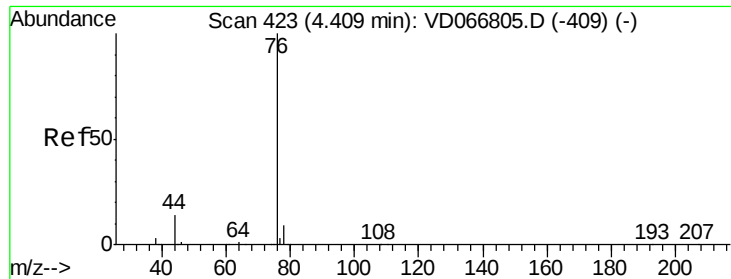
Delta R.T. 0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Tgt Ion:	43	Resp:	24183
Ion	Ratio	Lower	Upper
43	100		
58	28.1	25.6	38.4





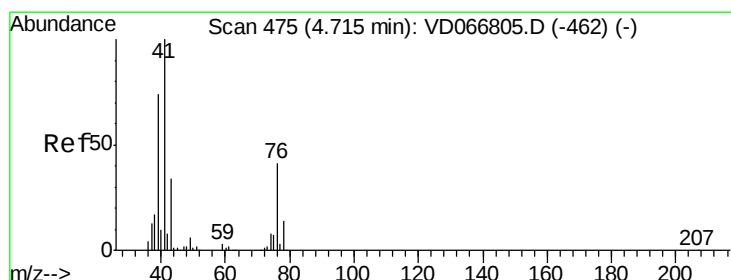
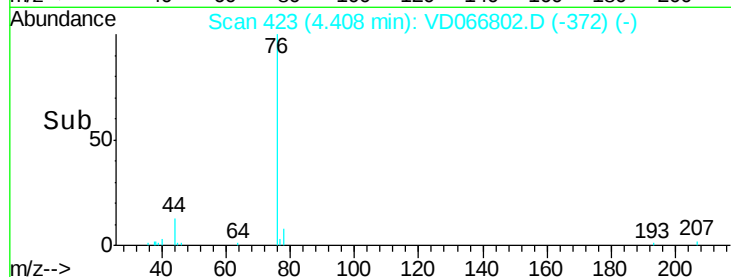
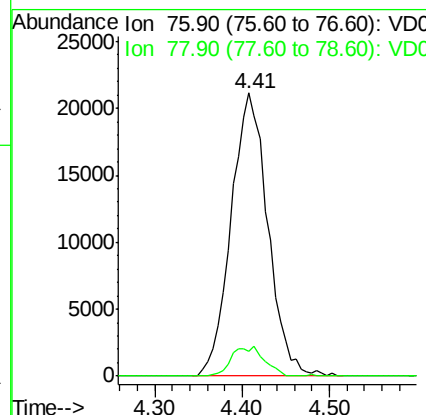
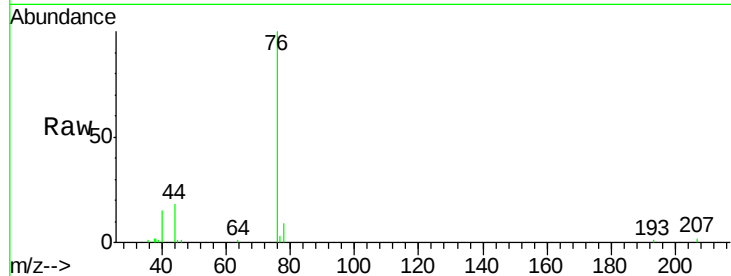
#17
Carbon Disulfide
Concen: 4.942 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

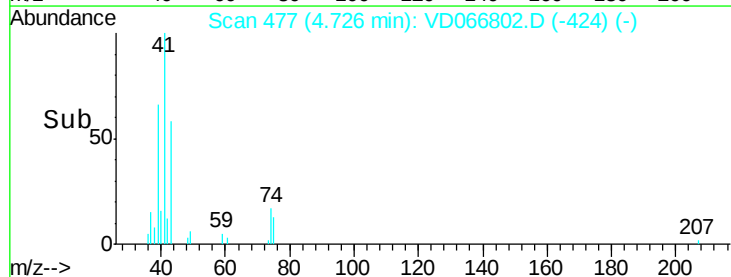
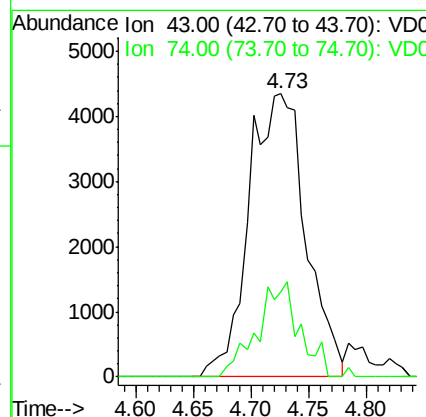
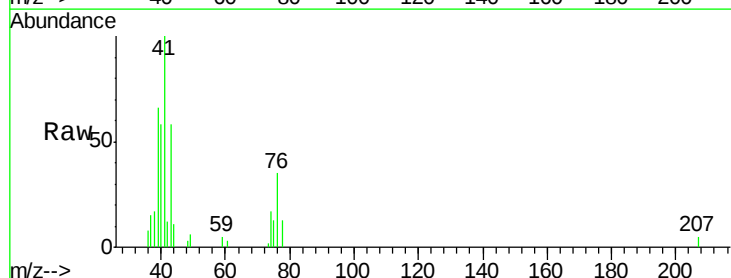
Manual Integrations
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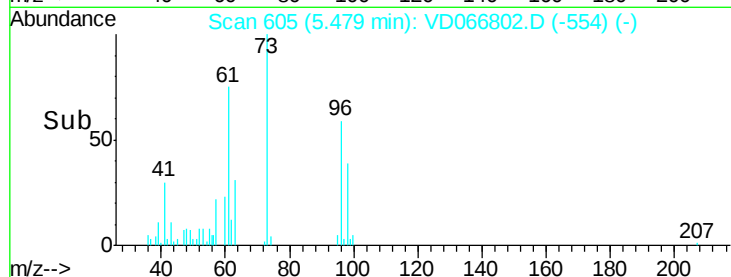
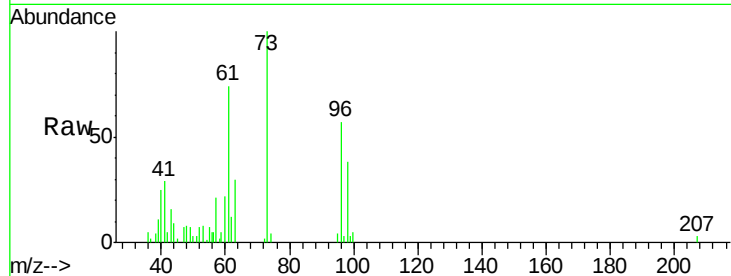
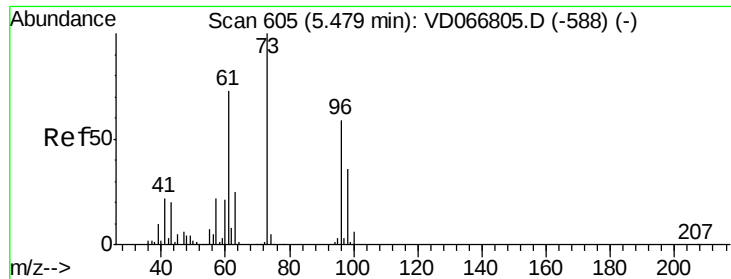
MMDadoda
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#18
Methyl Acetate
Concen: 7.267 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.3	30.5





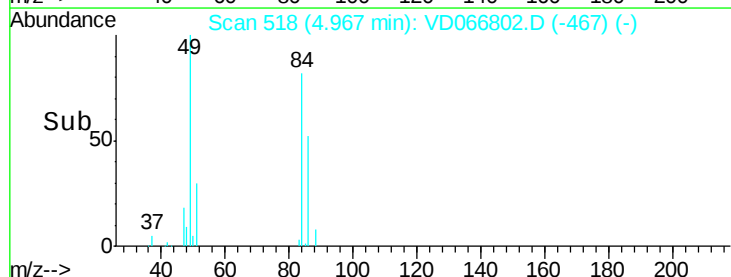
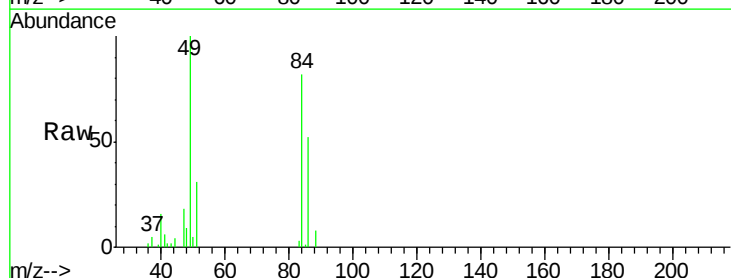
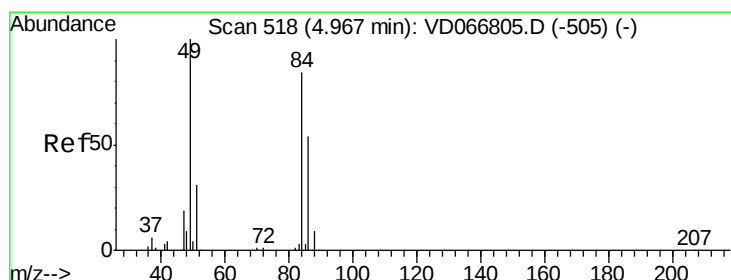
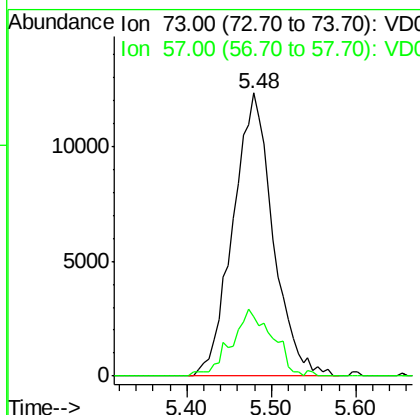
#19
Methyl tert-butyl Ether
Concen: 4.662 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tot Ion: 73 Resp: 40519
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

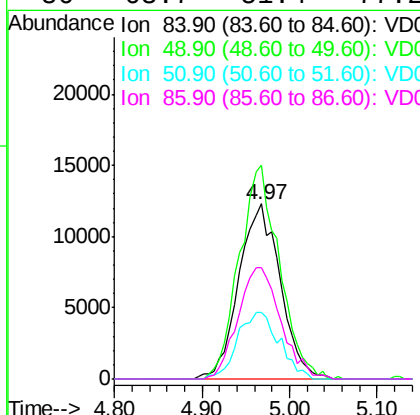
Manual Integrations
APPROVED

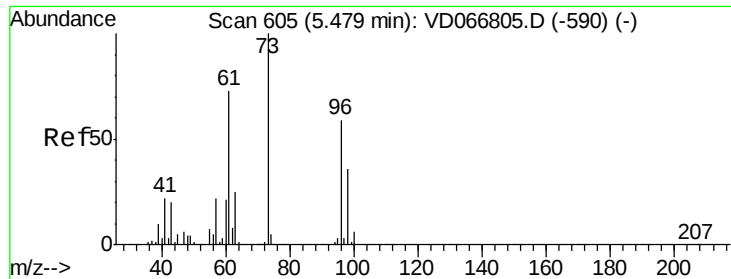
MMDadoda
9/23/2020 1:04:53 PM



#20
Methylene Chloride
Concen: 6.906 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion: 84 Resp: 39646
Ion Ratio Lower Upper
84 100
49 121.9 95.4 143.2
51 37.9 29.7 44.5
86 63.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 5.249 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

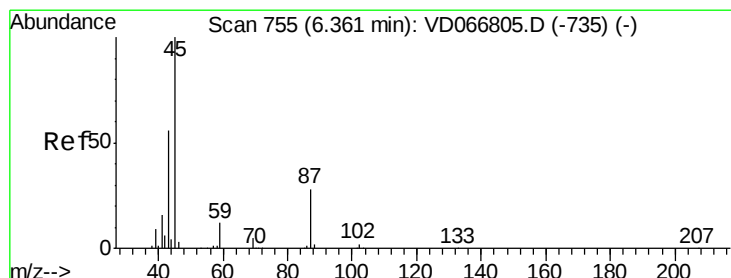
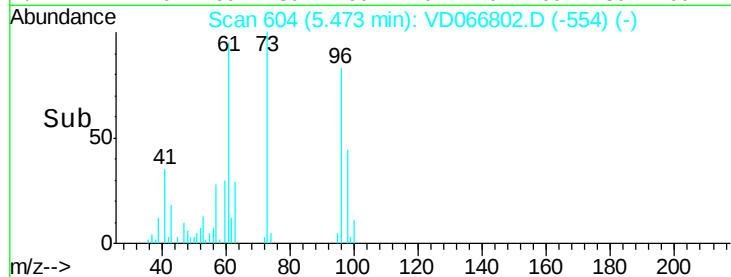
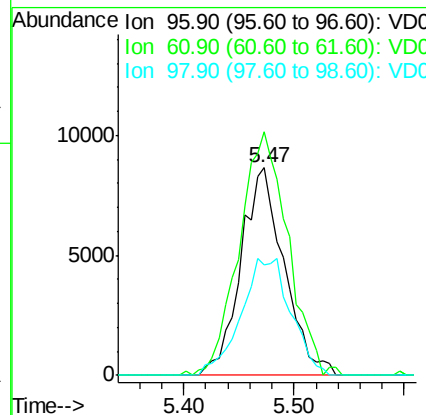
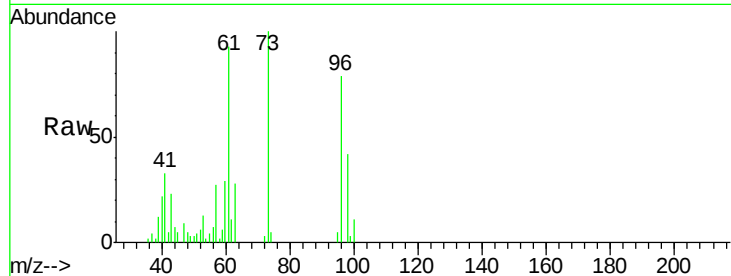
ClientSampleID :

VSTDIC005

Tot Ion:	96	Resp:	23853
Ion	Ratio	Lower	Upper
96	100		
61	117.5	98.9	148.3
98	53.6	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.322 ug/l

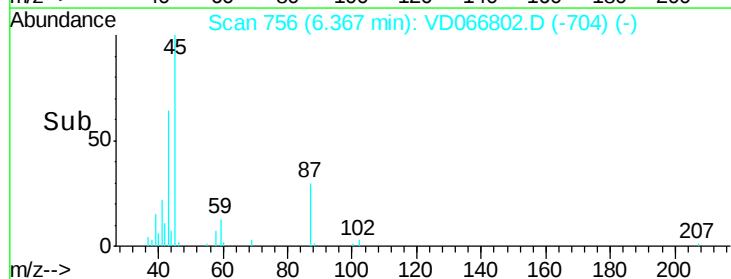
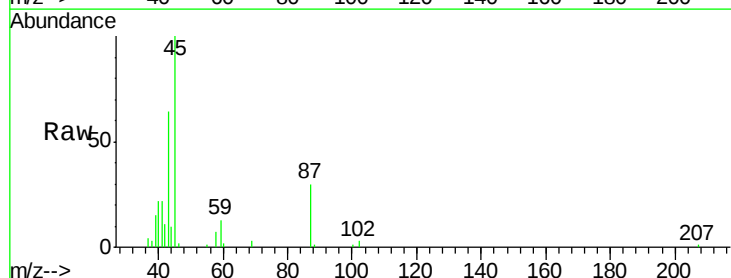
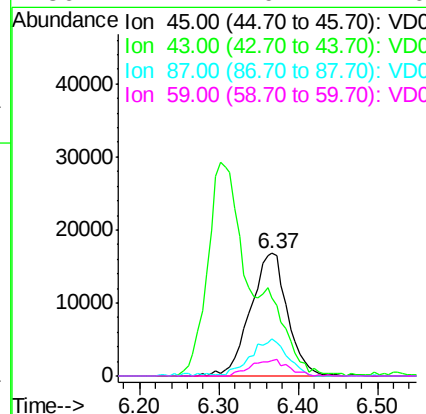
RT: 6.37 min Scan# 756

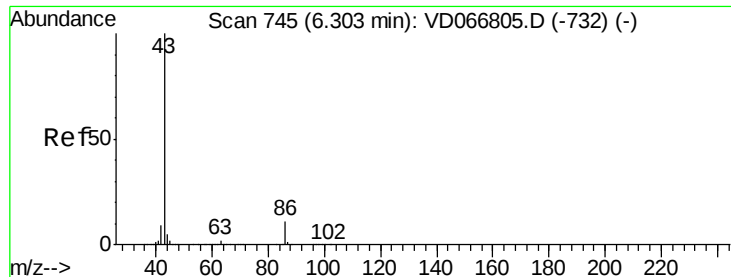
Delta R.T. 0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Tgt Ion:	45	Resp:	54504
Ion	Ratio	Lower	Upper
45	100		
43	61.2	44.5	66.7
87	29.9	22.9	34.3
59	12.7	9.4	14.0





#23

Vinyl Acetate

Concen: 13.052 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 90680

Ion Ratio Lower Upper

43 100

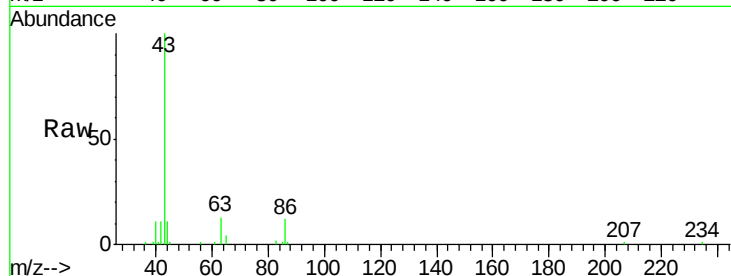
86 12.1 8.9 13.3

Manual Integrations

APPROVED

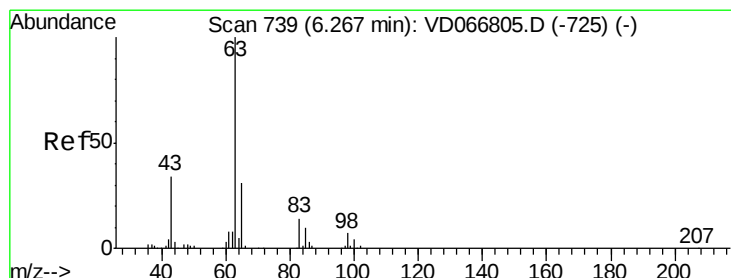
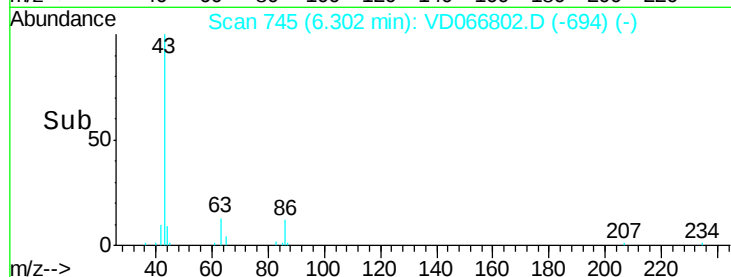
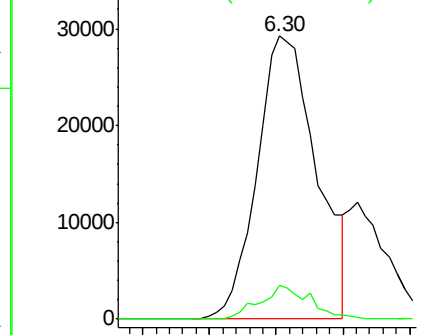
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.382 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

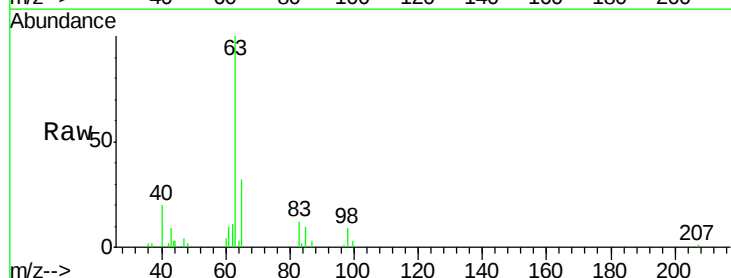
Tgt Ion: 63 Resp: 43441

Ion Ratio Lower Upper

63 100

98 8.8 3.7 11.1

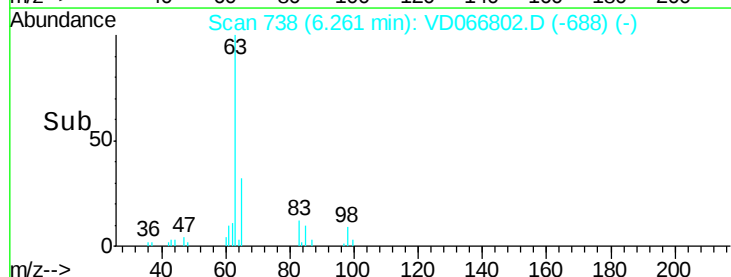
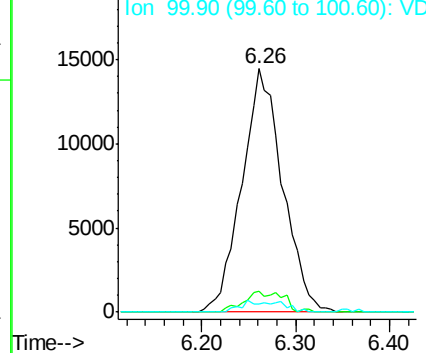
100 3.2 1.8 5.5

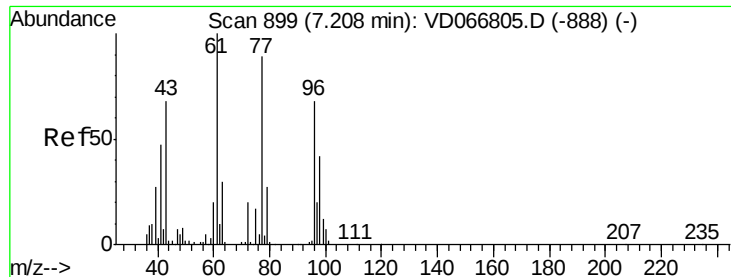


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 24.301 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 26579

Ion Ratio Lower Upper

43 100

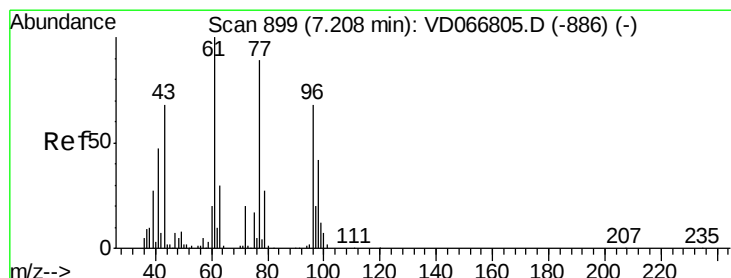
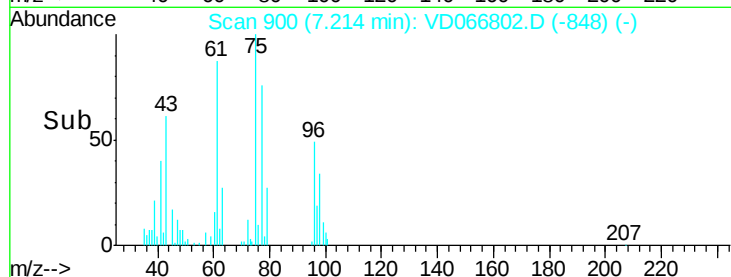
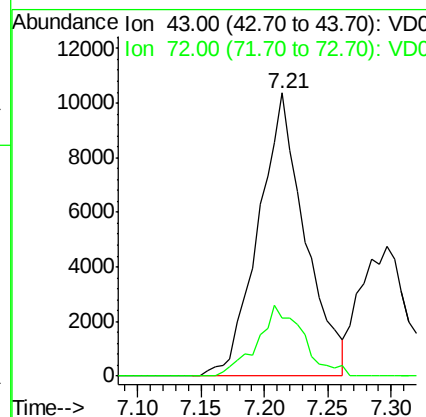
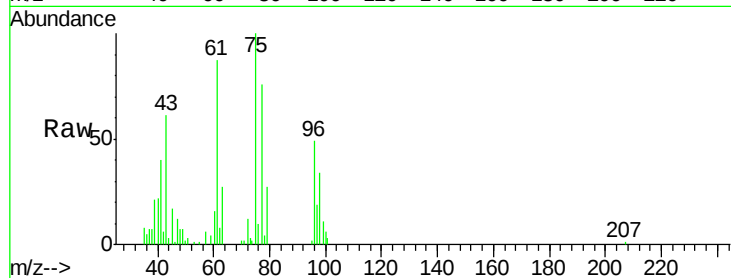
72 20.4 22.9 34.3#

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#26

2,2-Dichloropropane

Concen: 5.582 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066802.D

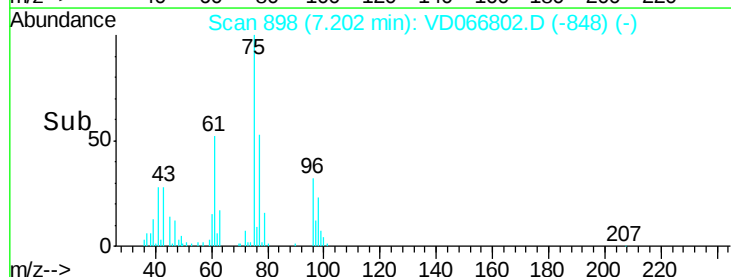
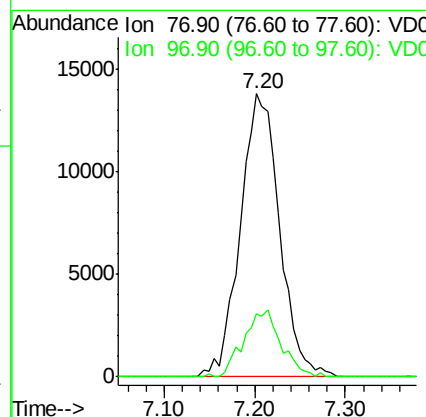
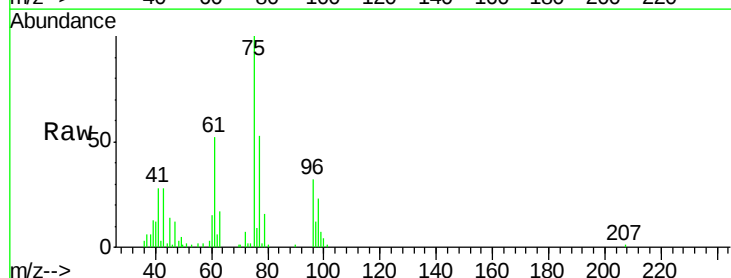
Acq: 22 Sep 2020 10:49

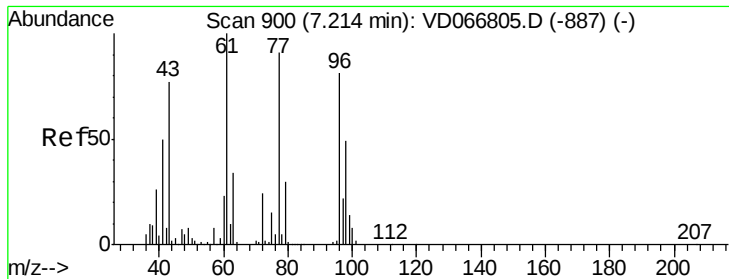
Tgt Ion: 77 Resp: 41517

Ion Ratio Lower Upper

77 100

97 22.4 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 4.734 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

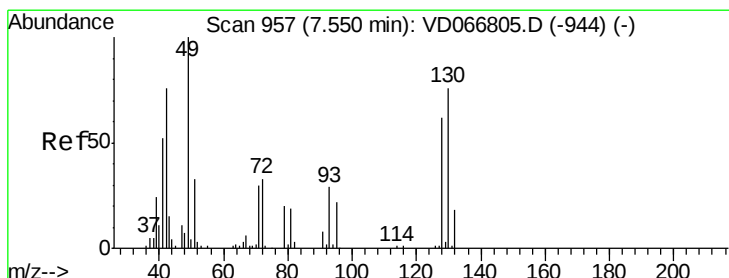
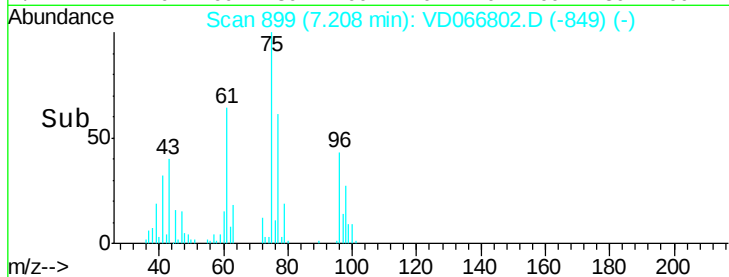
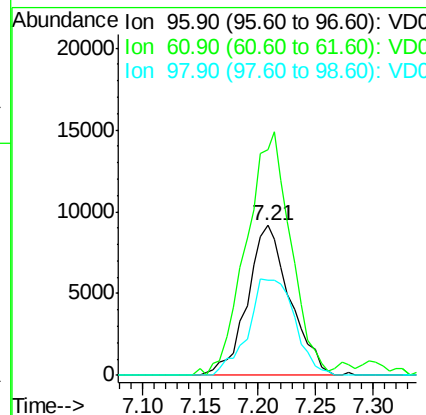
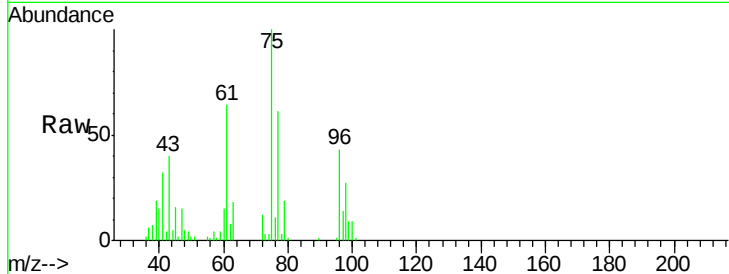
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	23528
Ion	Ratio	Lower	Upper
96	100		
61	169.4	0.0	283.8
98	69.8	0.0	128.4

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#28

Bromochloromethane

Concen: 4.867 ug/l

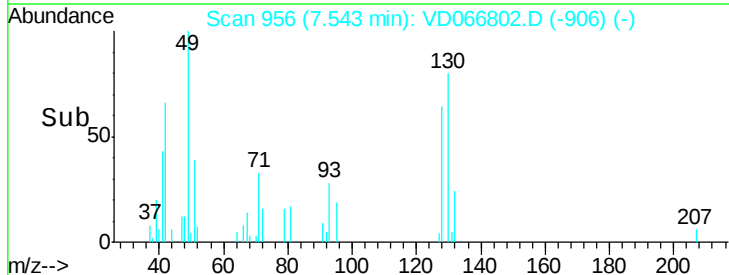
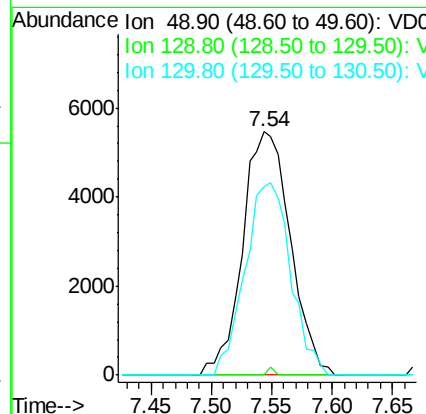
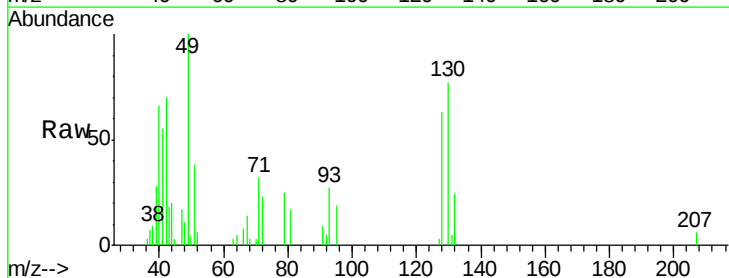
RT: 7.54 min Scan# 956

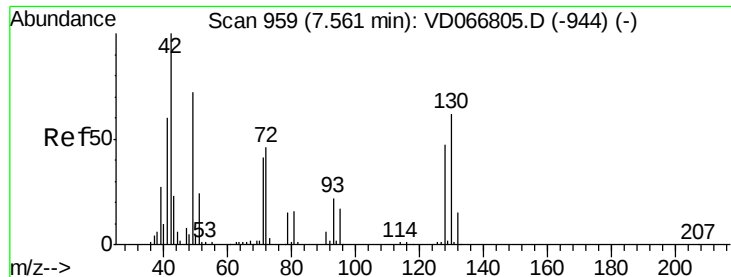
Delta R.T. -0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Tgt Ion:	49	Resp:	15074
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.0
130	75.4	65.9	98.9





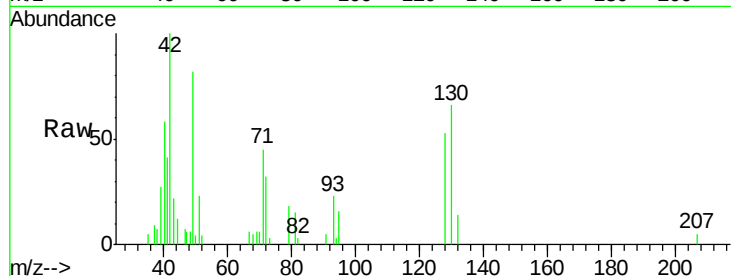
#29
Tetrahydrofuran
Concen: 25.187 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	36.2	54.4
71	38.0	32.4	48.6

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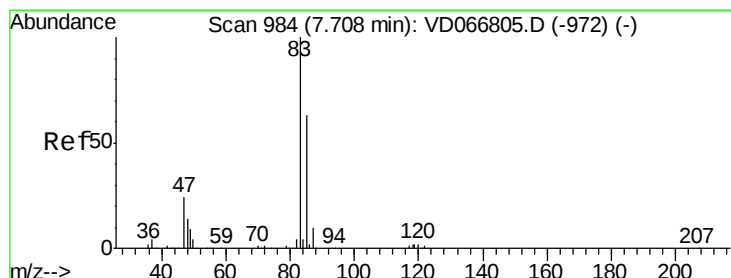
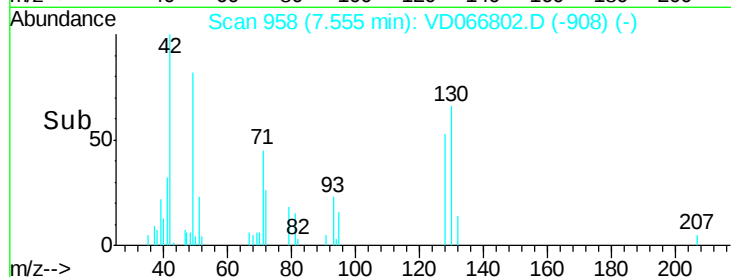
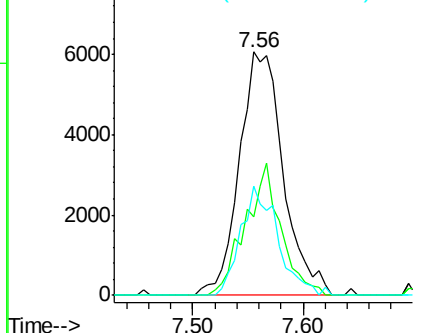


Abundance

Ion 42.00 (41.70 to 42.70): VDC

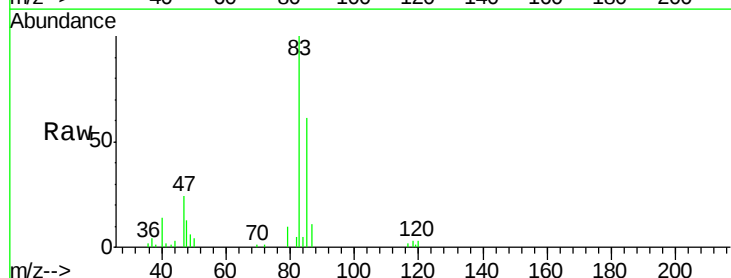
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30
Chloroform
Concen: 5.522 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

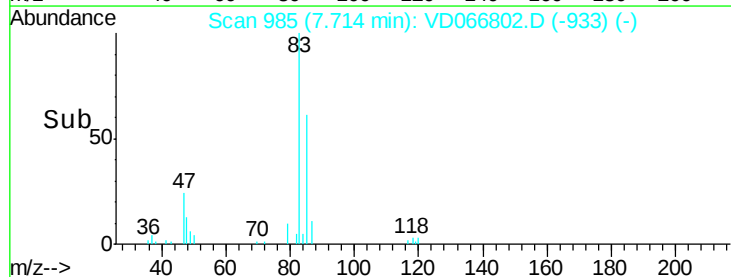
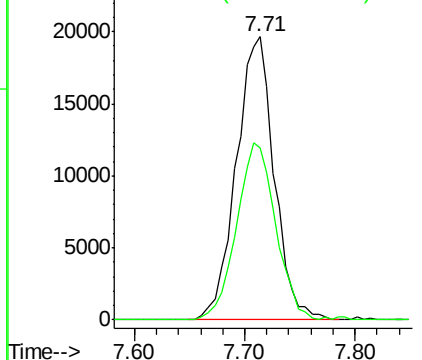
Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.6	75.8

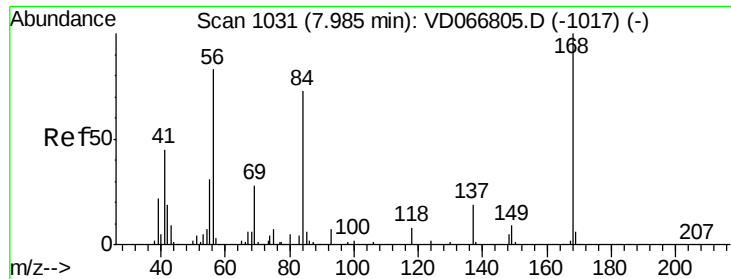


Abundance

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





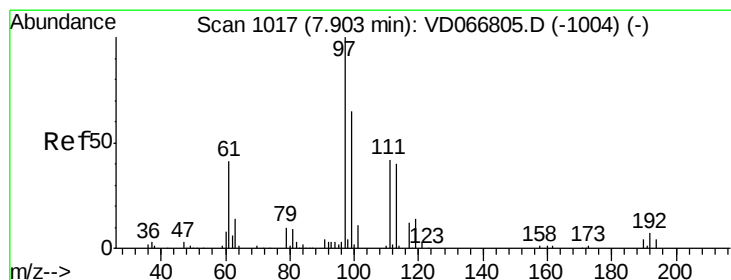
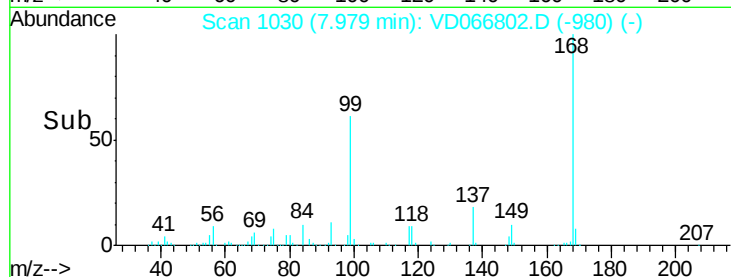
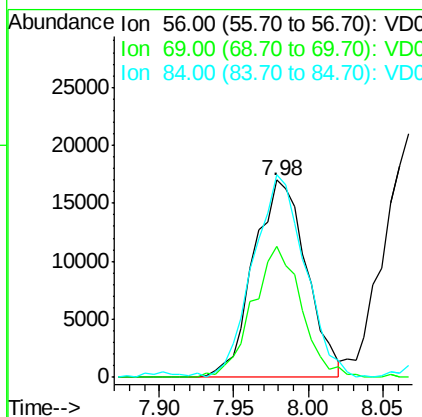
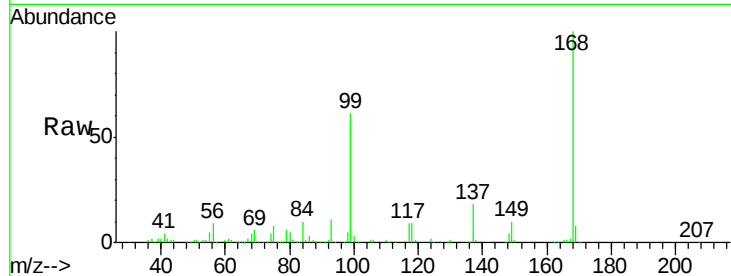
#31
Cyclohexane
Concen: 5.735 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		41823		
69	66.6	27.0	40.4#		
84	102.1	70.2	105.4		

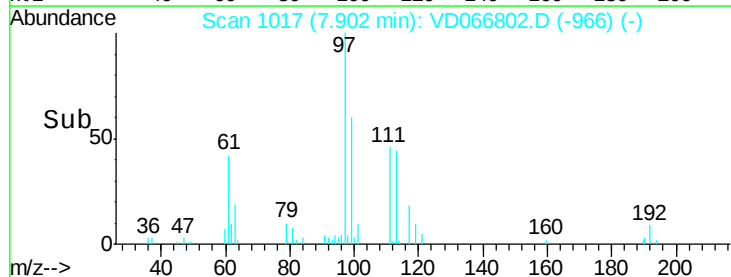
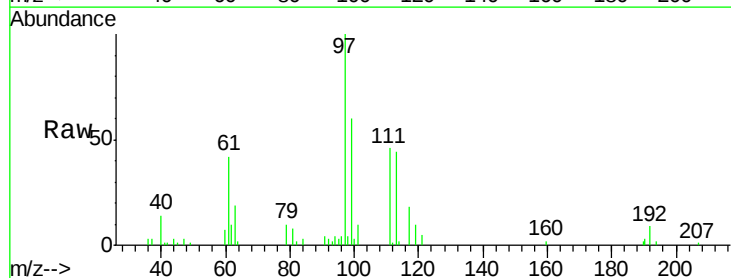
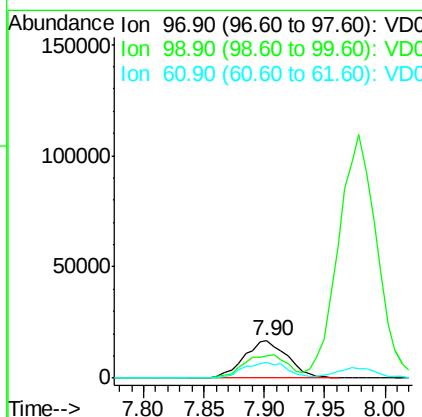
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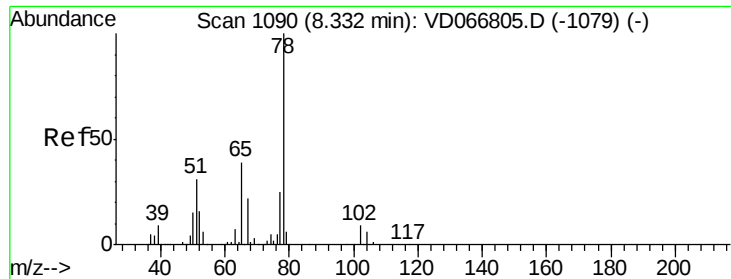
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.383 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		42241		
99	63.2	51.5	77.3		
61	43.4	34.2	51.4		





#33

1,2-Dichloroethane-d4

Concen: 5.506 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 22603

Ion Ratio Lower Upper

65 100

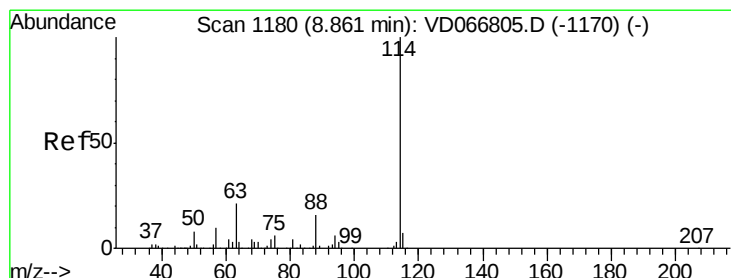
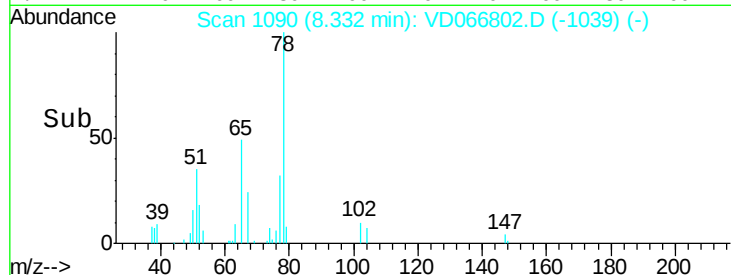
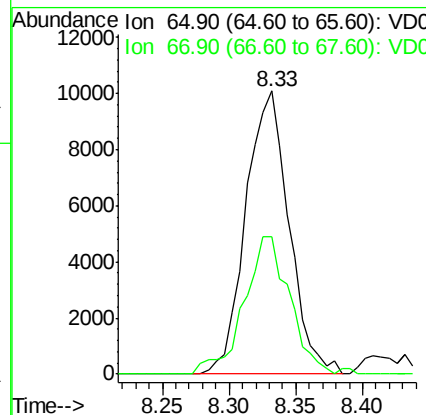
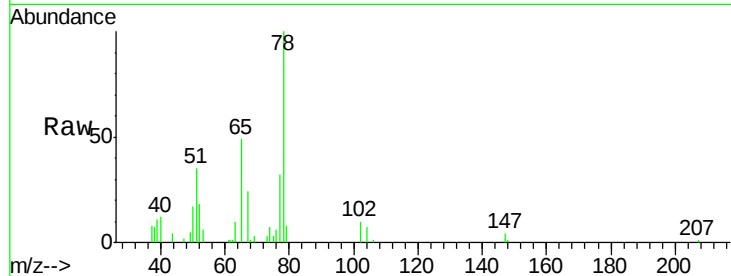
67 51.2 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

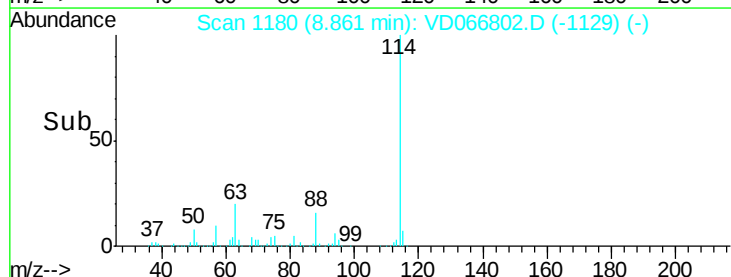
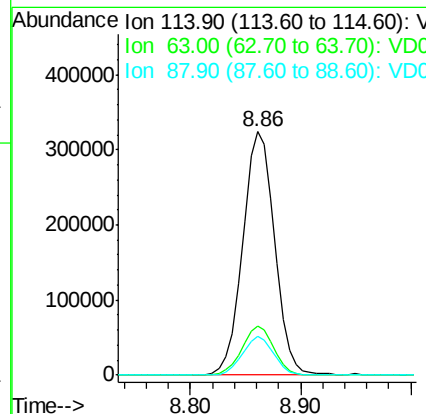
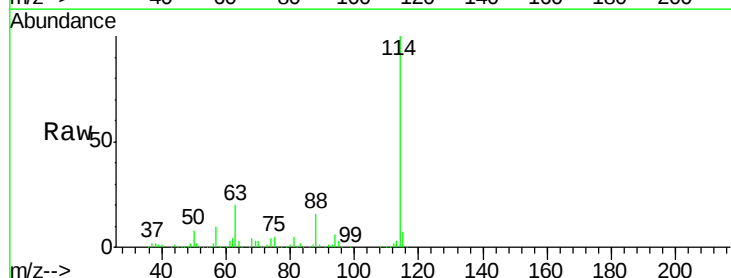
Tgt Ion: 114 Resp: 656995

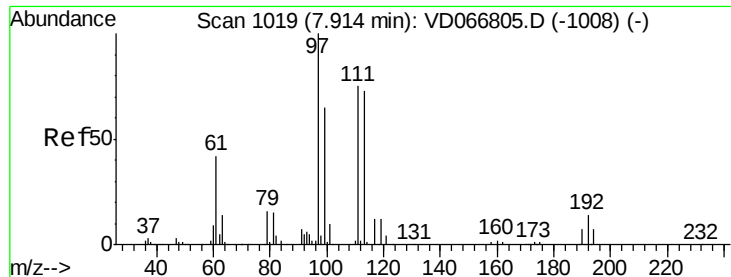
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

88 15.9 0.0 32.6





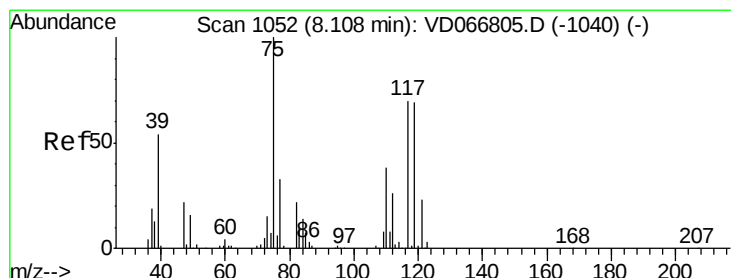
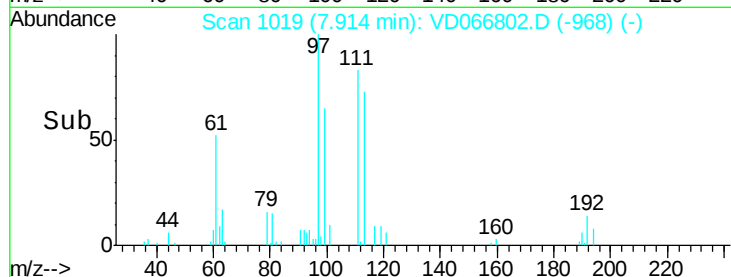
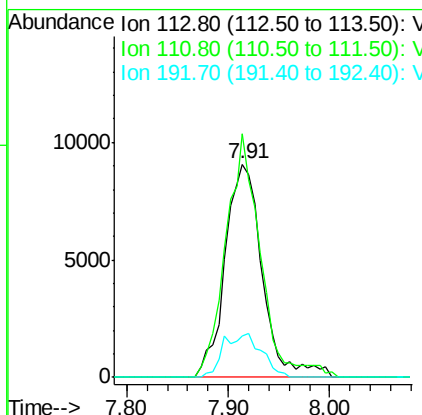
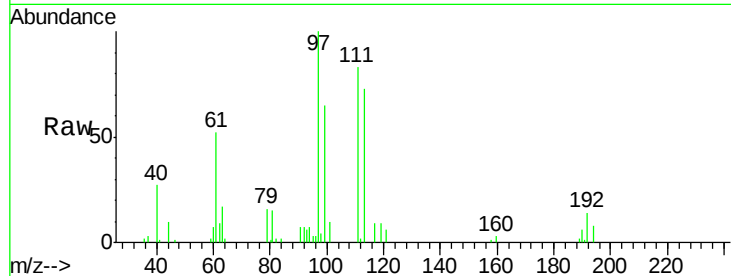
#35
 Dibromofluoromethane
 Concen: 5.709 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.2	81.8	122.8
192	21.1	14.4	21.6

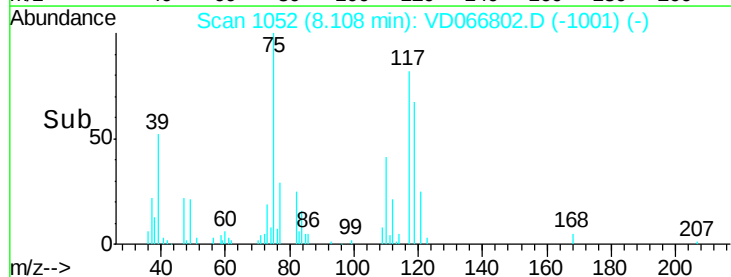
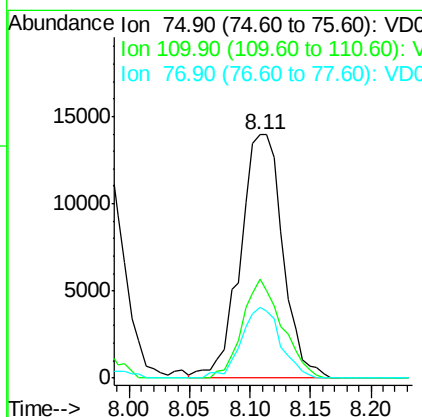
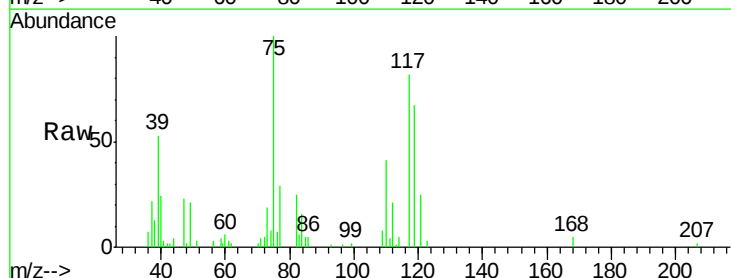
Manual Integrations
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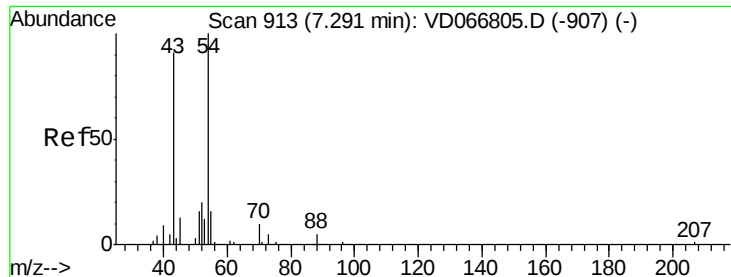
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#36
 1,1-Dichloropropene
 Concen: 5.075 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	17.9	53.8
77	27.0	25.0	37.6





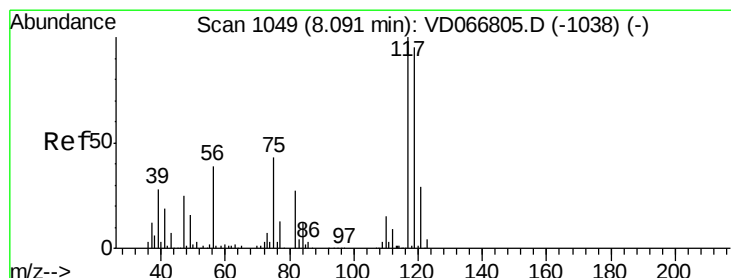
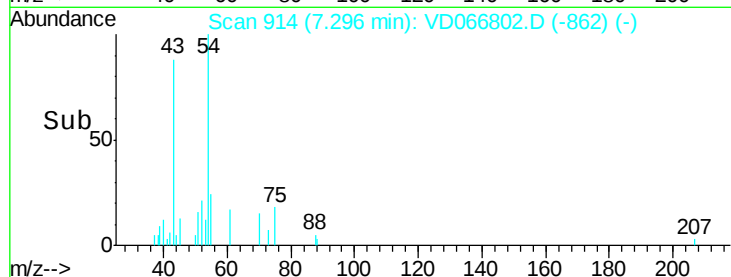
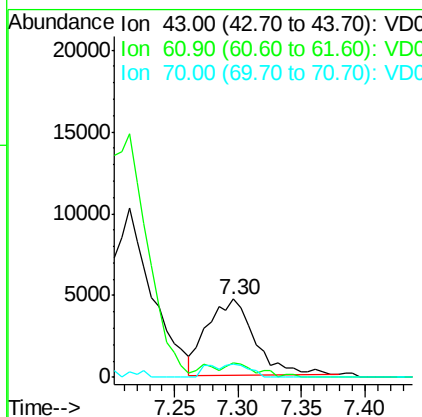
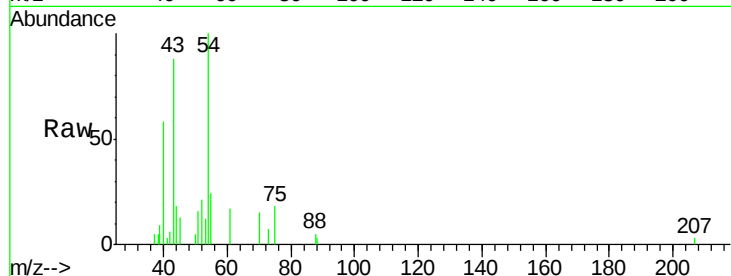
#37
Ethyl Acetate
Concen: 4.804 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	12227
Ion	Ratio	Lower	Upper
43	100		
61	12.6	9.8	14.8
70	9.3	8.5	12.7

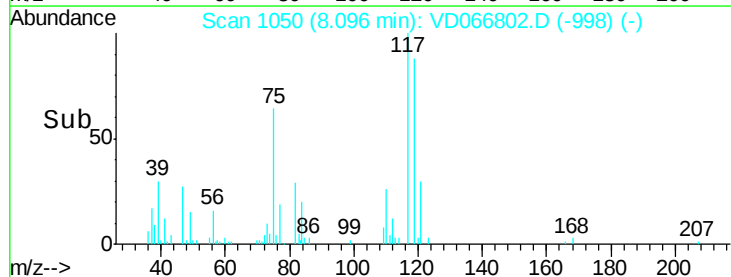
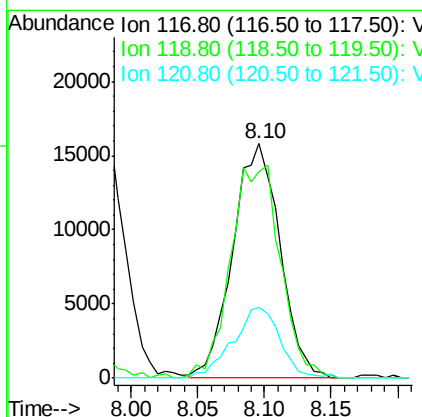
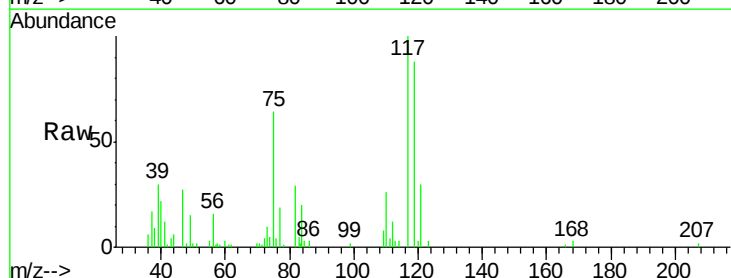
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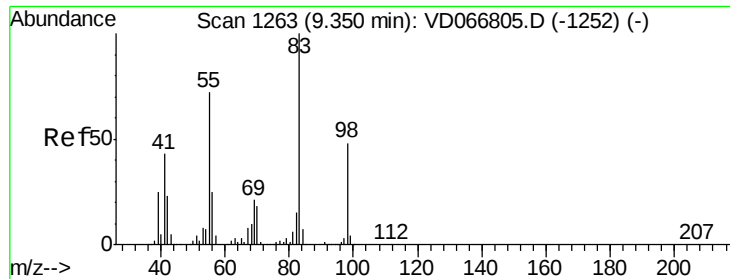
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#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion:	117	Resp:	38744
Ion	Ratio	Lower	Upper
117	100		
119	87.9	75.8	113.8
121	30.4	23.4	35.0





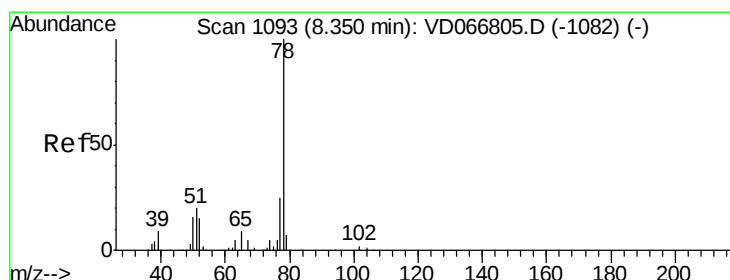
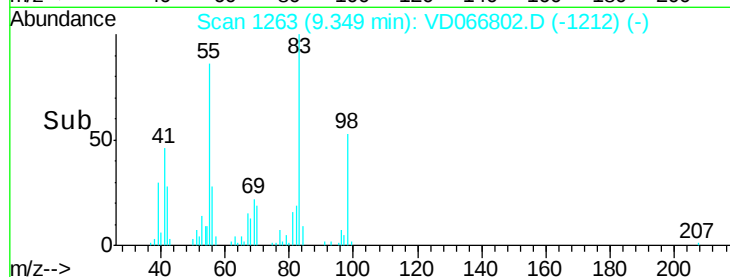
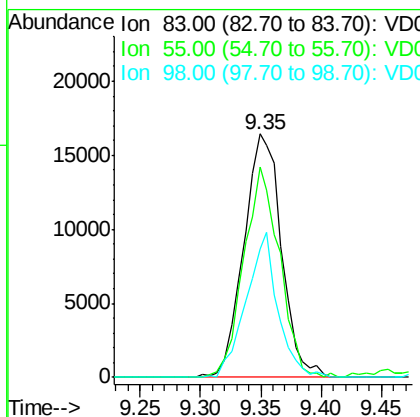
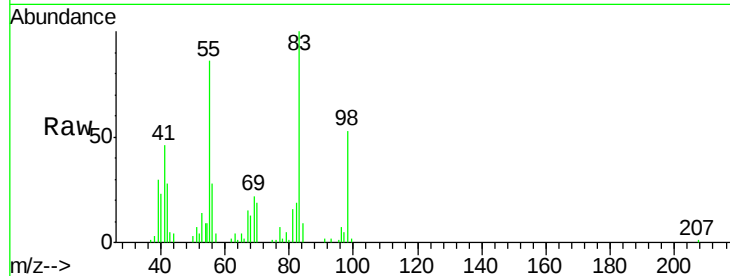
#39
Methvlcvclohexane
Concen: 4.632 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	35644
Ion Ratio	Lower	Upper	
83	100		
55	86.5	57.7	86.5
98	52.8	38.4	57.6

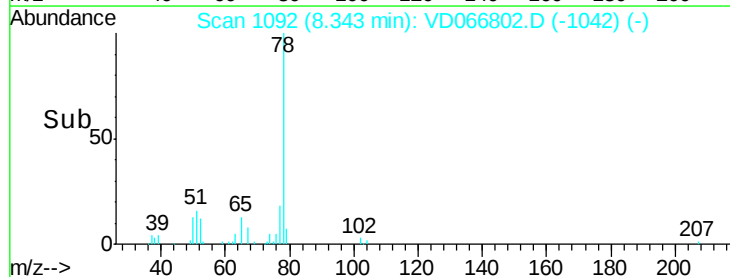
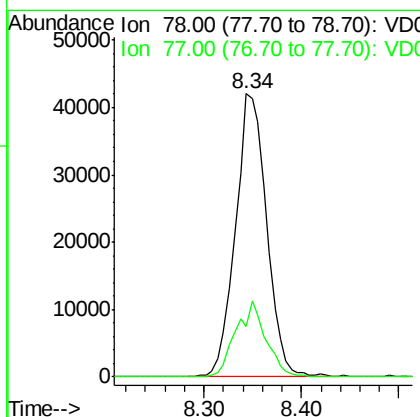
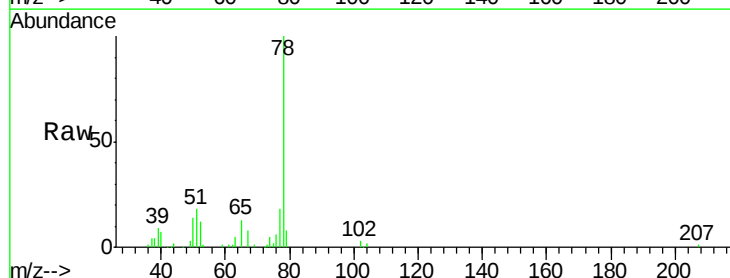
Manual Integrations
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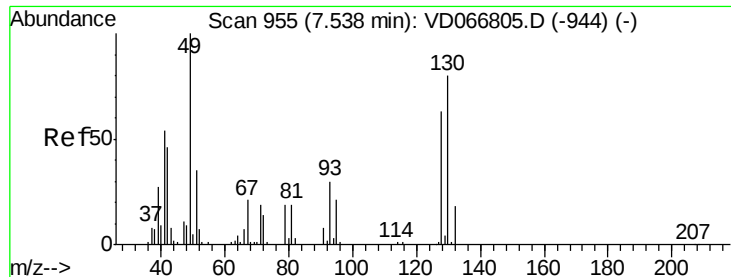
MMDadoda
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#40
Benzene
Concen: 5.107 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	78	Resp	93475
Ion Ratio	Lower	Upper	
78	100		
77	17.8	19.9	29.9#





#41

Methacrylonitrile

Concen: 4.575 ug/l

RT: 7.51 min Scan# 951

Delta R.T. -0.02 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 6293

Ion Ratio Lower Upper

41 100

39 34.9 0.0 0.0#

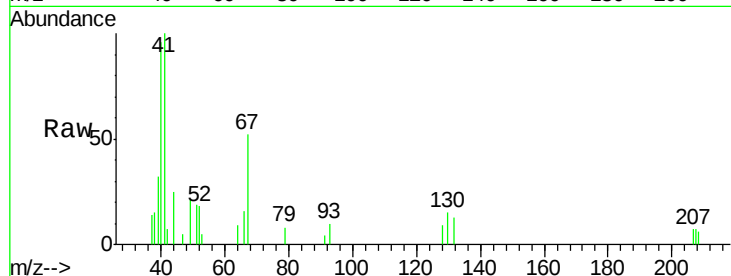
67 0.0 0.0 0.0

52 35.5 0.0 0.0#

Manual Integrations
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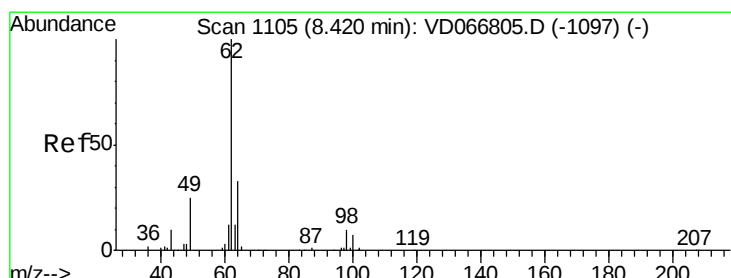
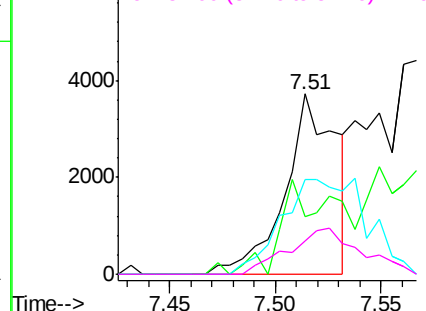
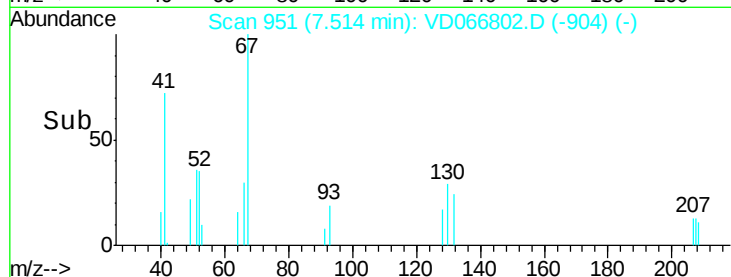


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 5.201 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066802.D

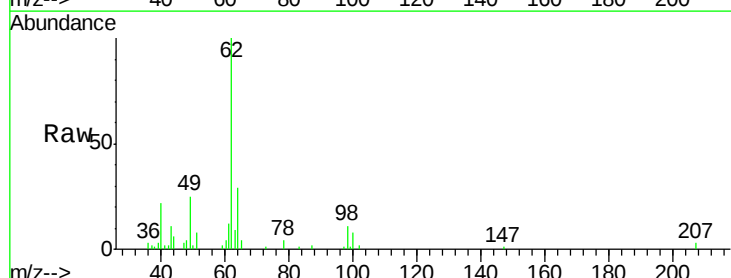
Acq: 22 Sep 2020 10:49

Tgt Ion: 62 Resp: 29208

Ion Ratio Lower Upper

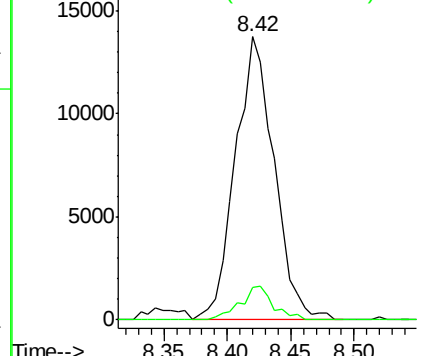
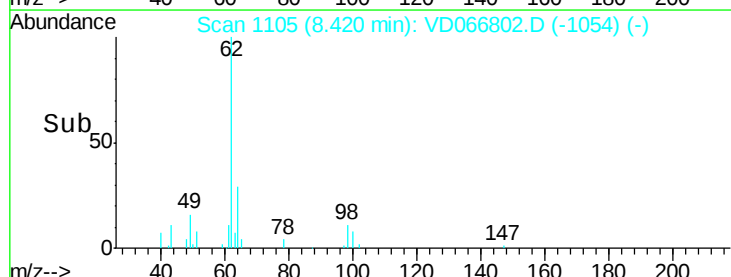
62 100

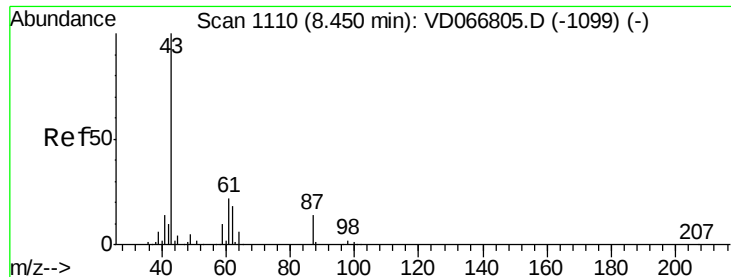
98 10.2 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 4.884 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

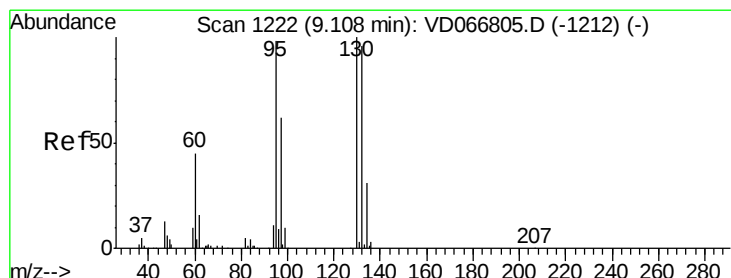
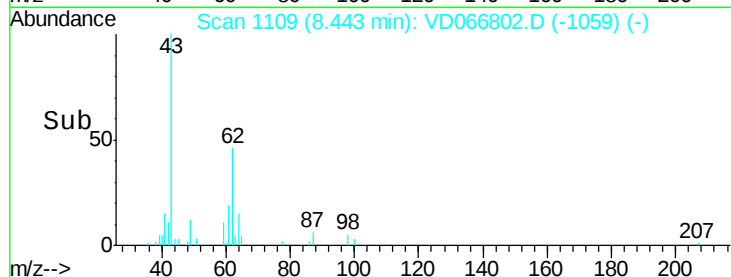
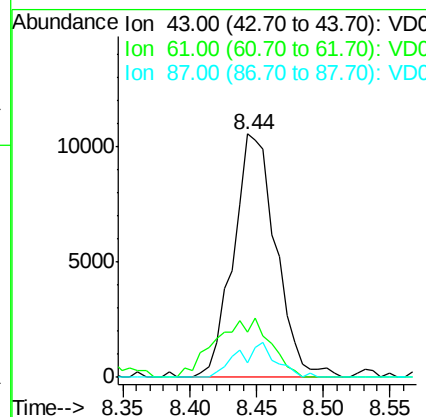
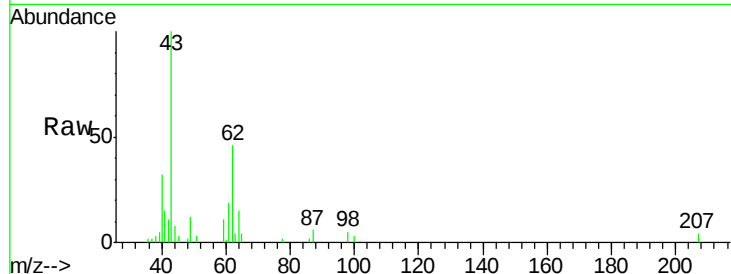
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	23450
Ion	Ratio	Lower	Upper
43	100		
61	31.2	26.2	39.4
87	12.9	11.5	17.3

Manual Integrations
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#44

Trichloroethene

Concen: 5.596 ug/l

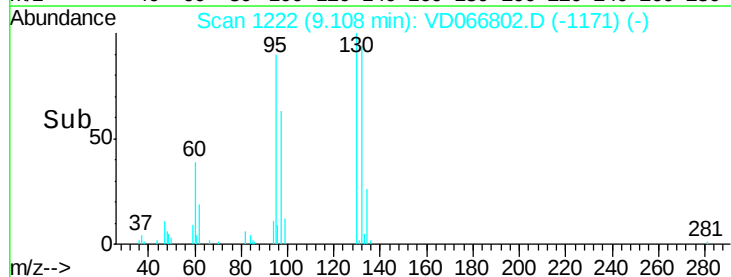
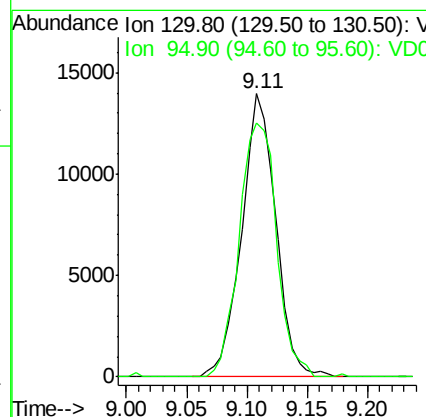
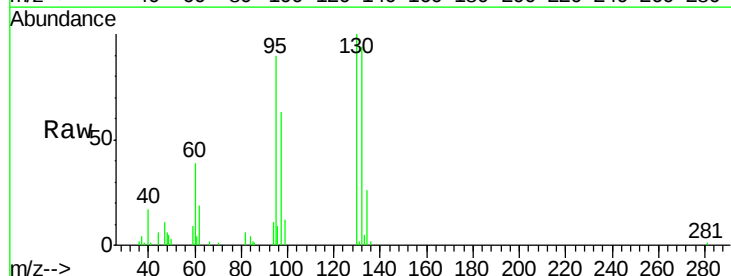
RT: 9.11 min Scan# 1222

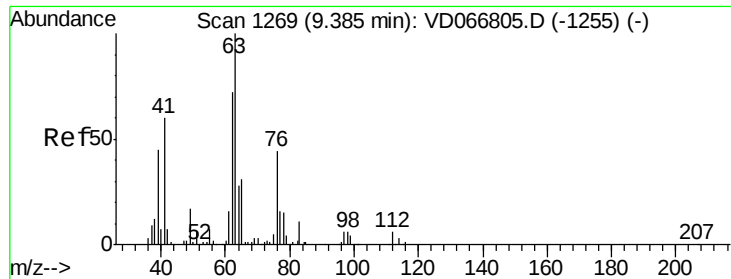
Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Tgt Ion:	130	Resp:	27608
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	197.0





#45

1,2-Dichloropropane

Concen: 5.292 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 24045

Ion Ratio Lower Upper

63 100

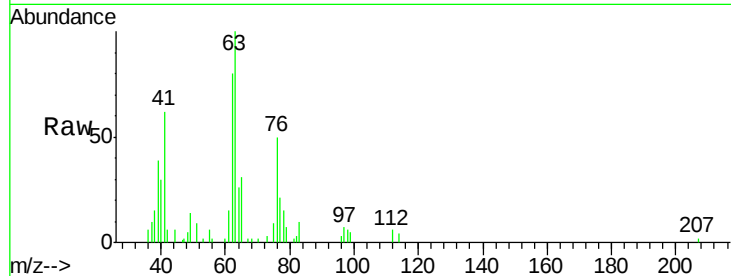
65 30.9 24.7 37.1

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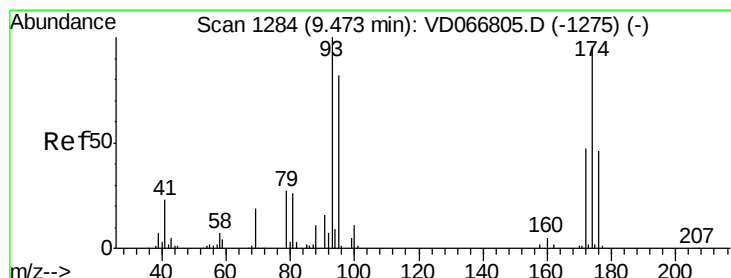
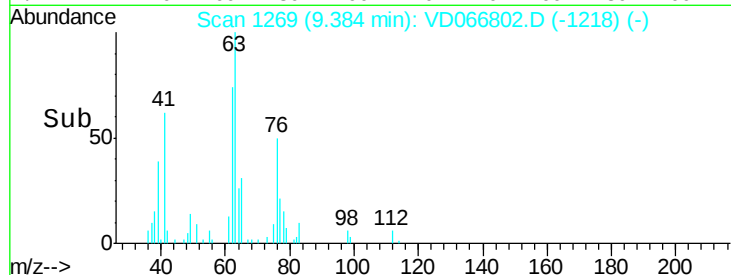
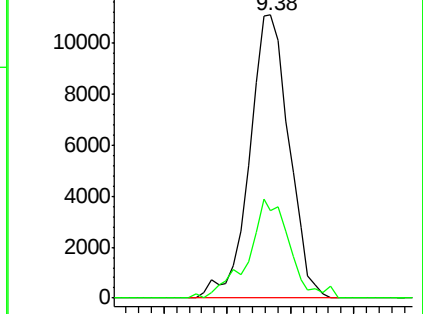
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.867 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

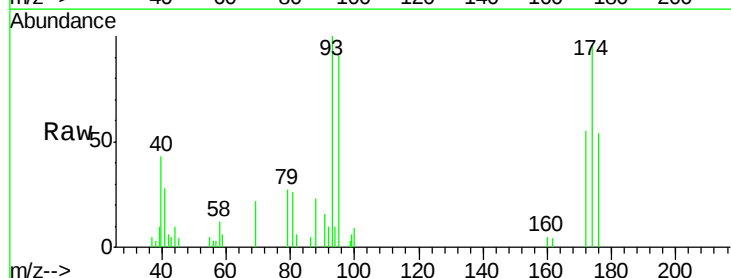
Tgt Ion: 93 Resp: 12179

Ion Ratio Lower Upper

93 100

95 91.6 65.3 97.9

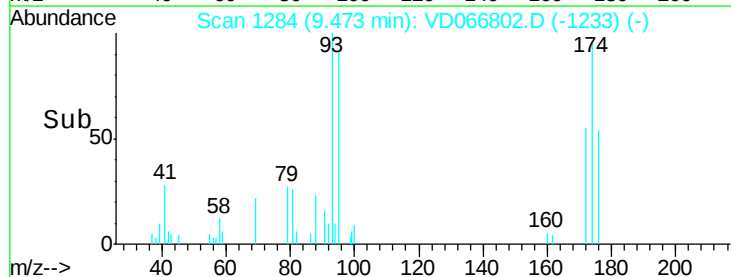
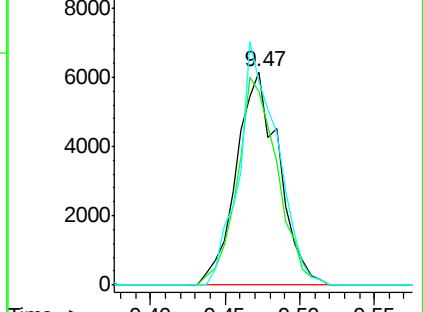
174 102.2 75.4 113.2

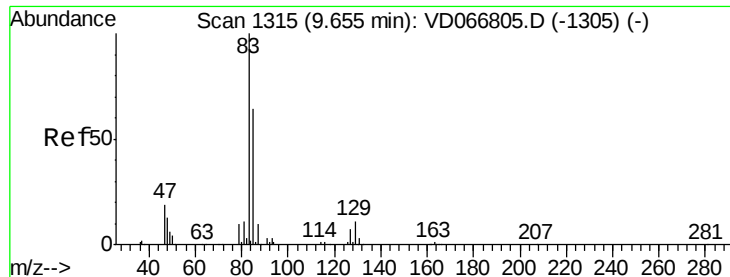


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.134 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

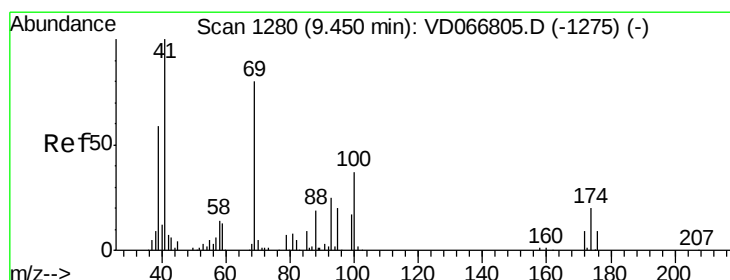
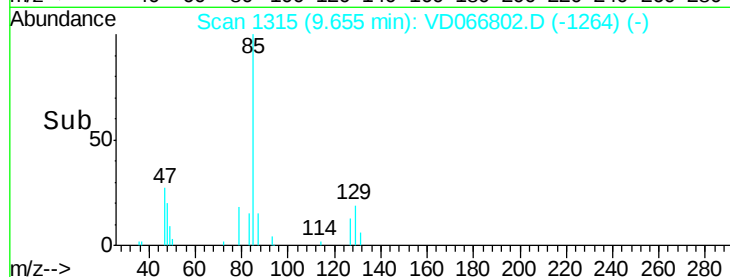
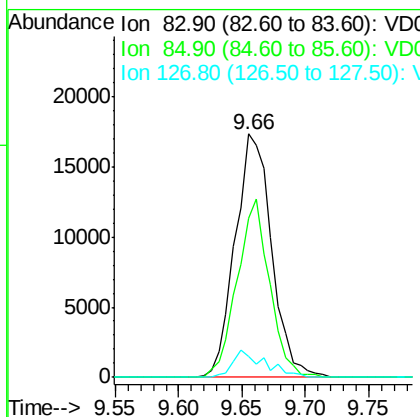
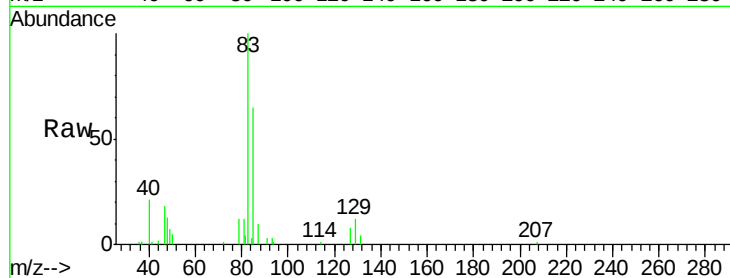
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	34739
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3
127	8.4	5.9	8.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.699 ug/l

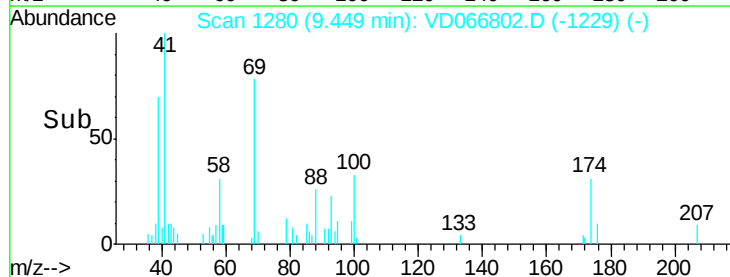
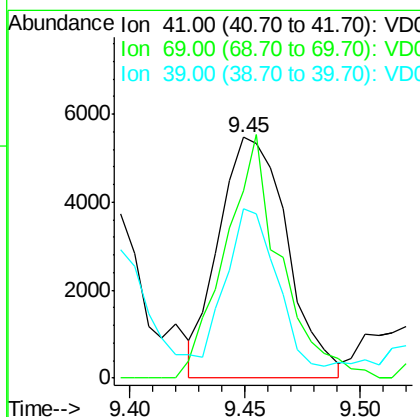
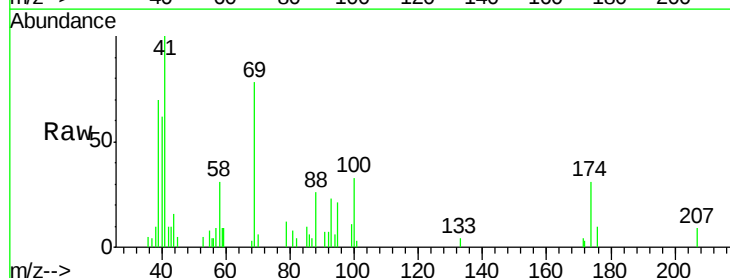
RT: 9.45 min Scan# 1280

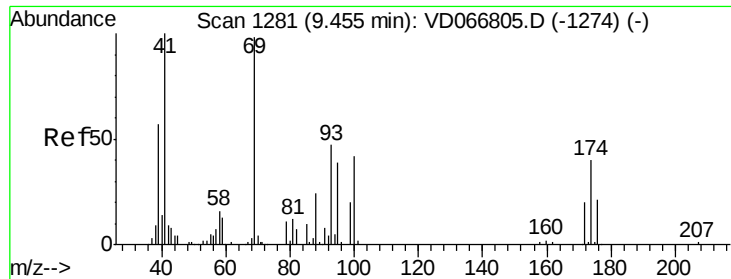
Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Tgt Ion:	41	Resp:	11291
Ion	Ratio	Lower	Upper
41	100		
69	82.1	74.5	111.7
39	47.1	47.0	70.6





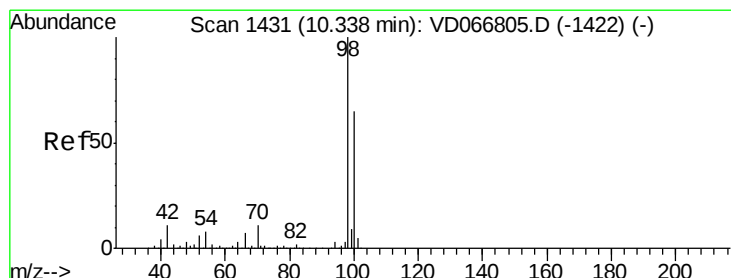
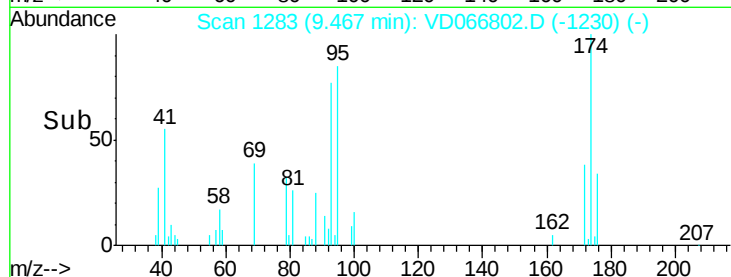
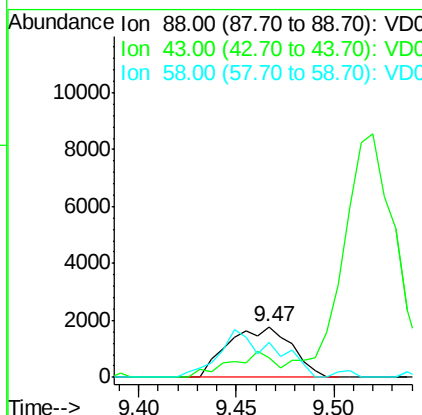
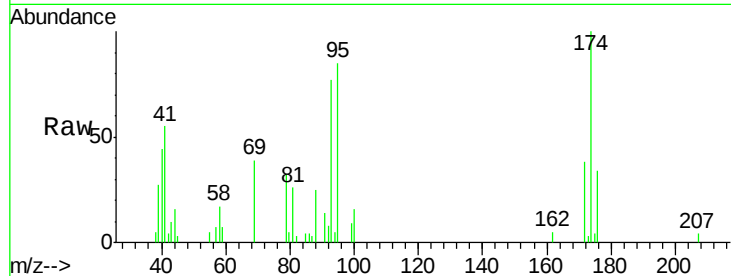
#49
1,4-Dioxane
Concen: 148.312 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	3983
Ion	Ratio	Lower	Upper
88	100		
43	35.6	27.7	41.5
58	82.0	55.5	83.3

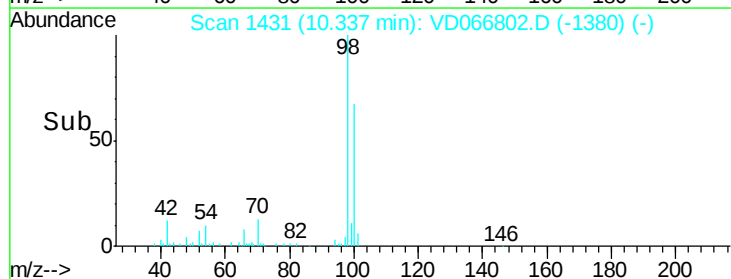
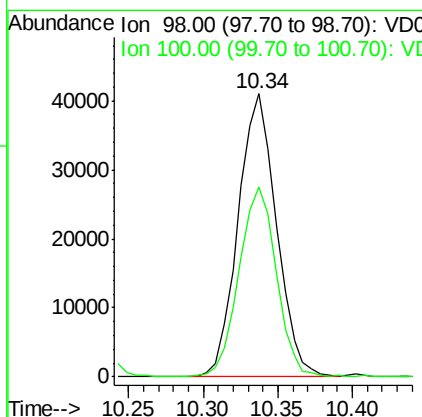
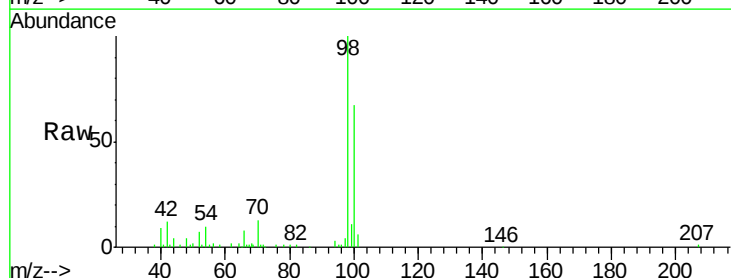
Manual Integrations
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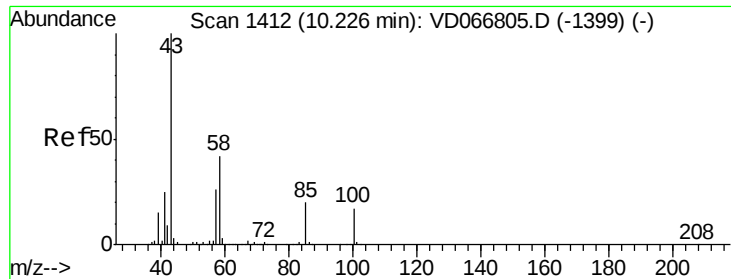
MMDadoda
9/23/2020 1:04:53 PM



#50
Toluene-d8
Concen: 5.111 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	98	Resp	73081
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 23.869 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 58961

Ion Ratio Lower Upper

43 100

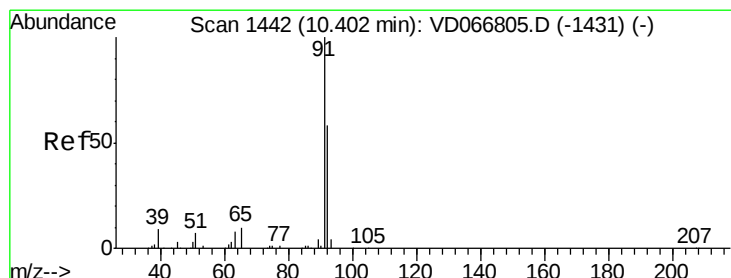
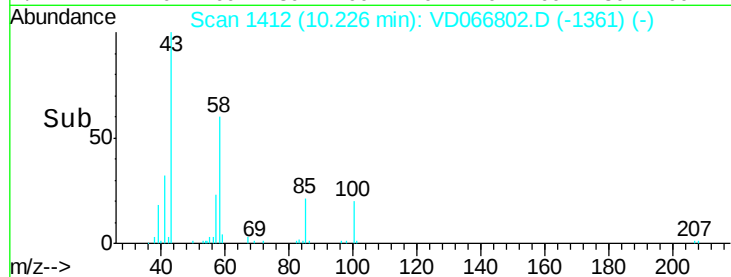
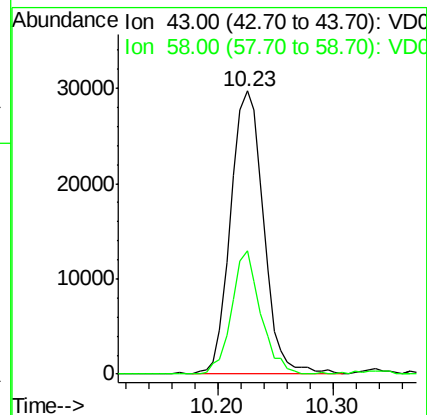
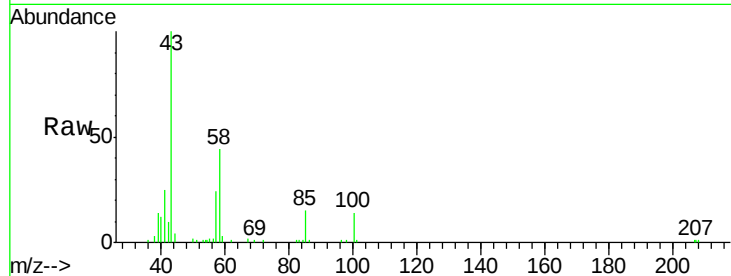
58 38.2 32.2 48.4

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#52

Toluene

Concen: 4.917 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066802.D

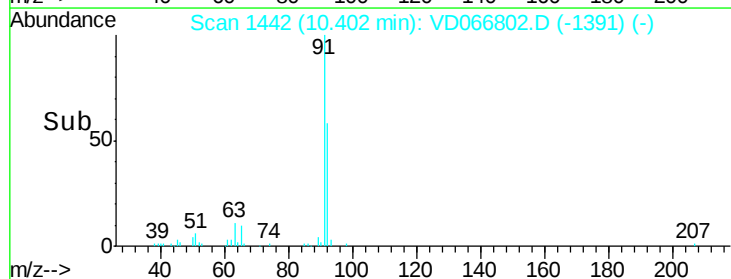
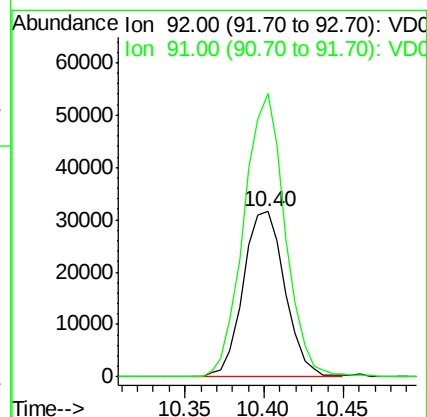
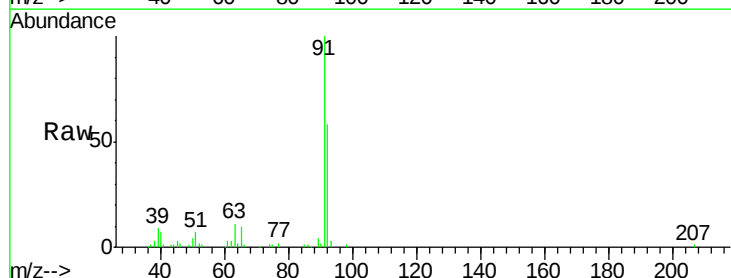
Acq: 22 Sep 2020 10:49

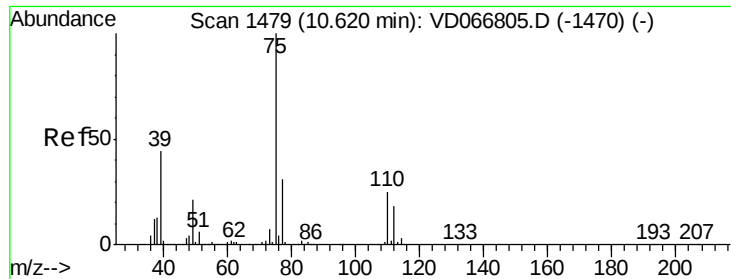
Tgt Ion: 92 Resp: 57671

Ion Ratio Lower Upper

92 100

91 169.9 134.6 202.0





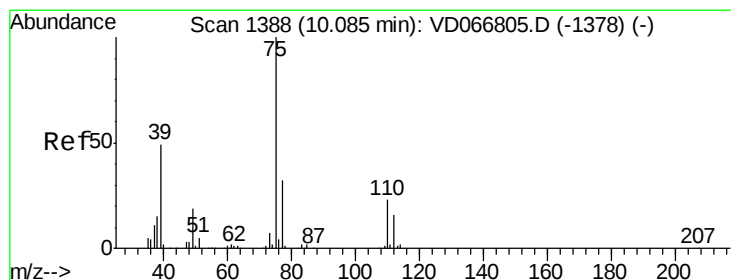
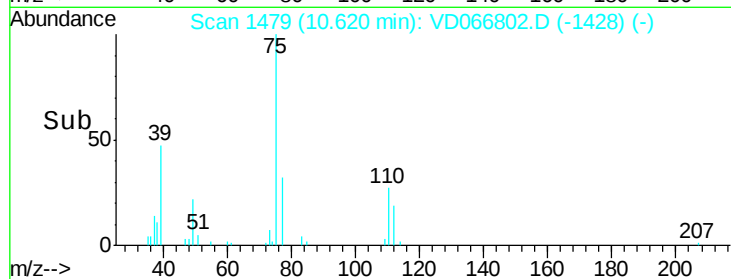
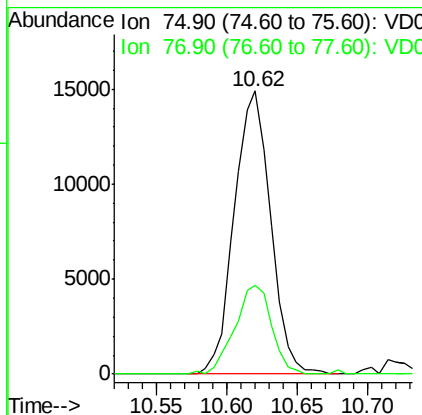
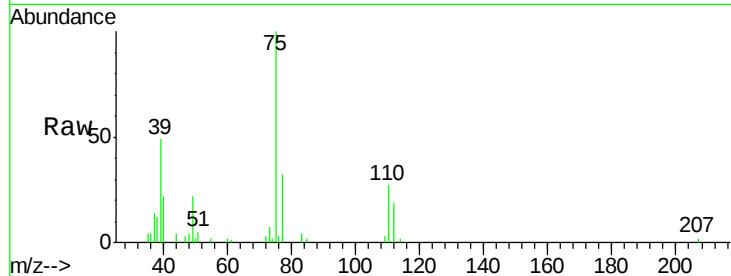
#53
t-1,3-Dichloropropene
Concen: 4.453 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 26824
Ion Ratio Lower Upper
75 100
77 31.5 24.5 36.7

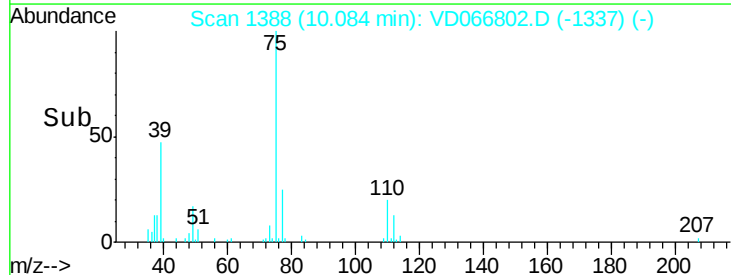
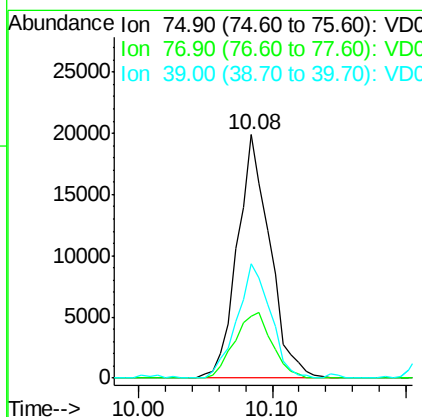
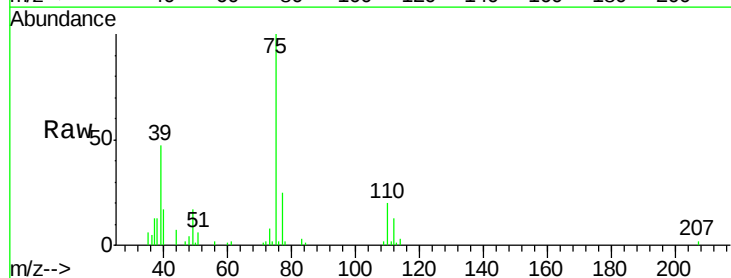
Manual Integrations
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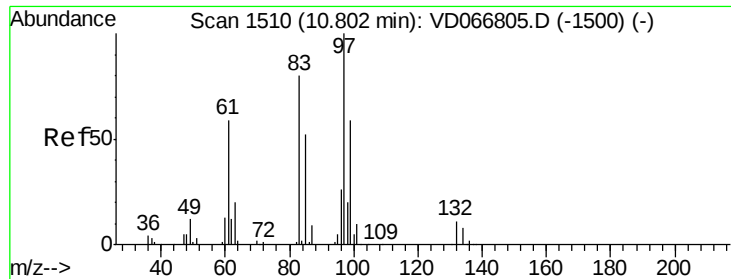
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#54
cis-1,3-Dichloropropene
Concen: 4.698 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion: 75 Resp: 33619
Ion Ratio Lower Upper
75 100
77 25.3 25.6 38.4#
39 47.0 39.2 58.8





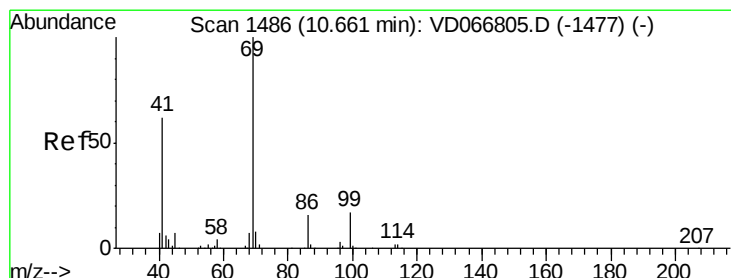
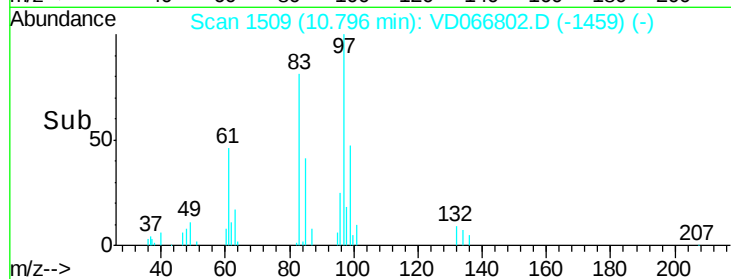
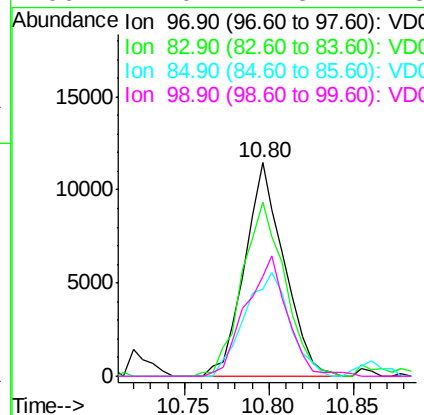
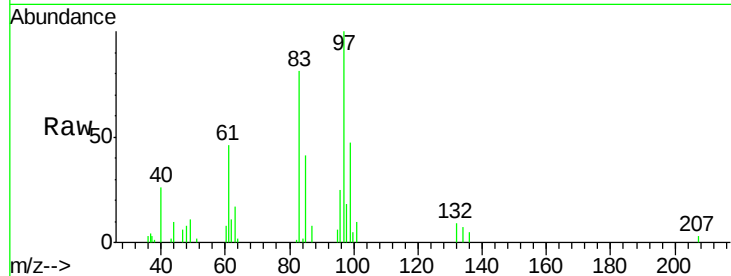
#55
 1,1,2-Trichloroethane
 Concen: 5.613 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	18610
Ion	Ratio	Lower	Upper
97	100		
83	81.5	64.2	96.2
85	40.8	41.9	62.9#
99	47.0	47.5	71.3#

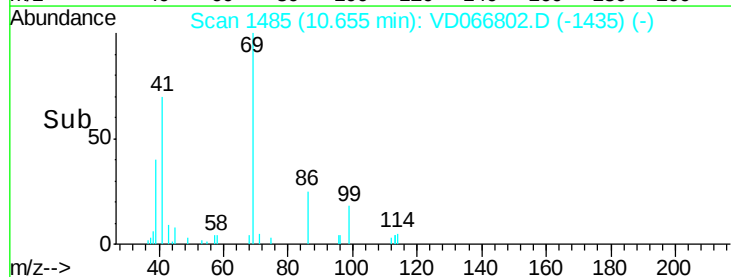
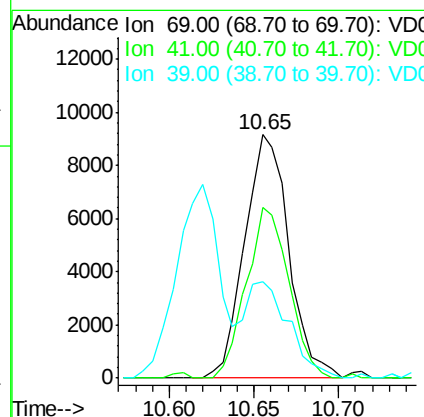
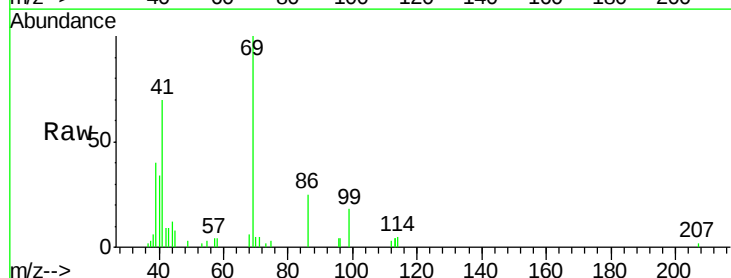
Manual Integrations
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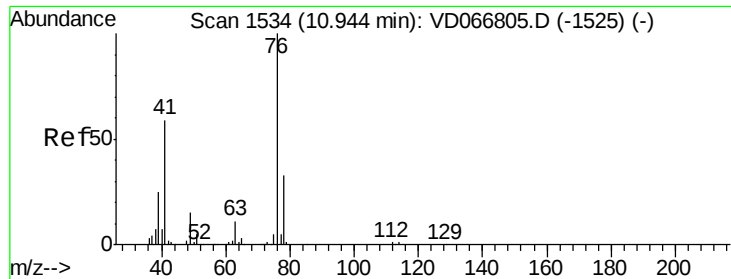
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#56
 Ethyl methacrylate
 Concen: 4.483 ug/l
 RT: 10.65 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Tgt Ion:	69	Resp:	16647
Ion	Ratio	Lower	Upper
69	100		
41	67.7	52.2	78.2
39	40.0	26.6	40.0#





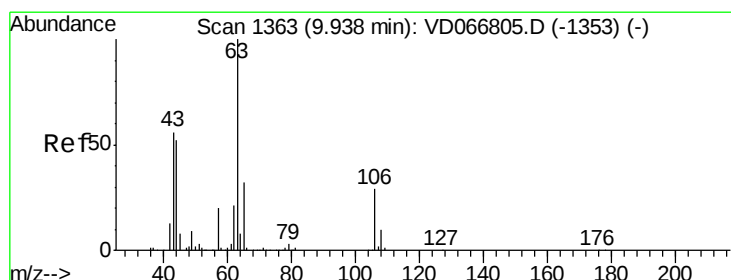
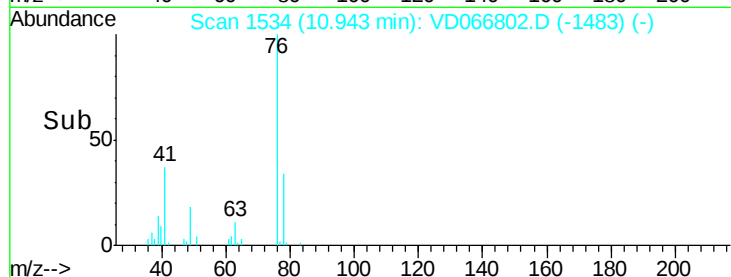
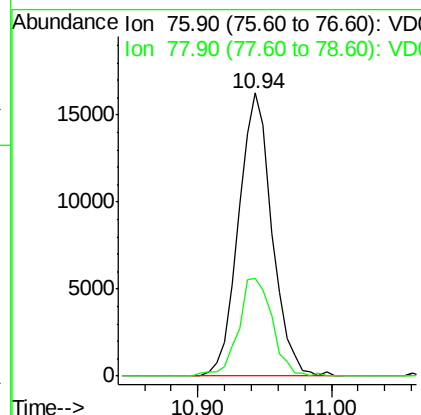
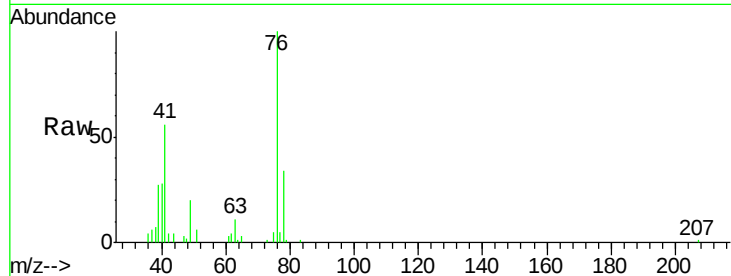
#57
 1,3-Dichloropropane
 Concen: 4.911 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.0	26.3	39.5

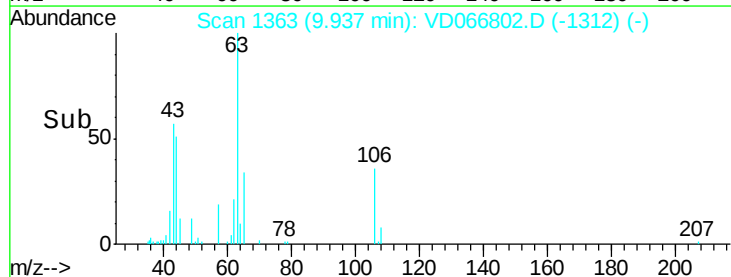
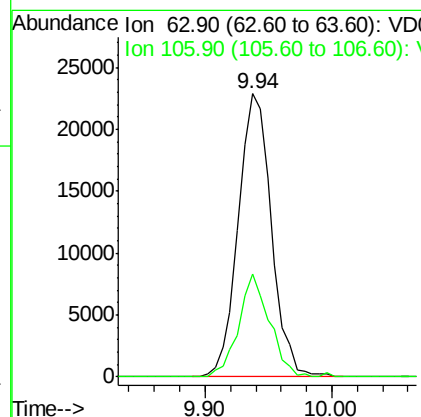
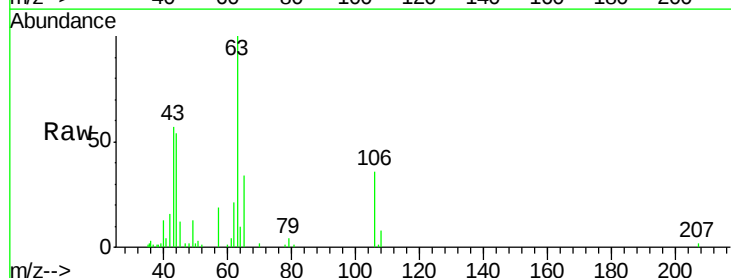
Manual Integrations
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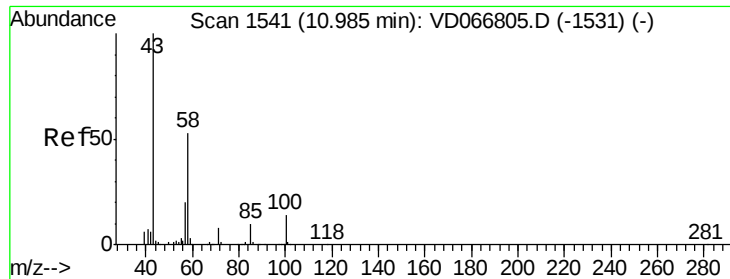
MMDadoda
 9/23/2020 1:04:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.014 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.8	23.8	35.6





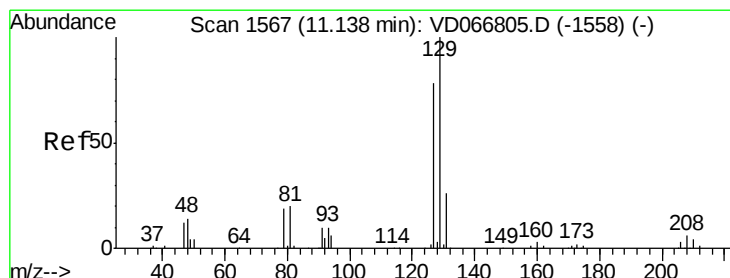
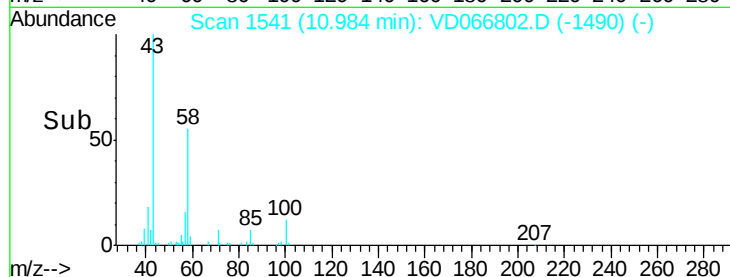
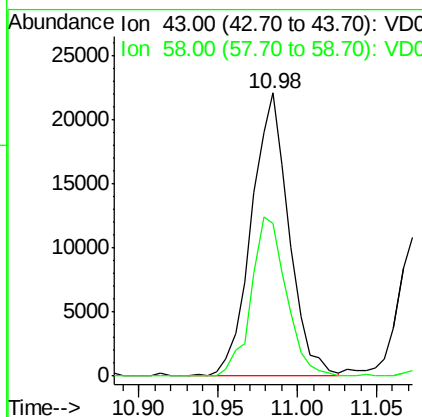
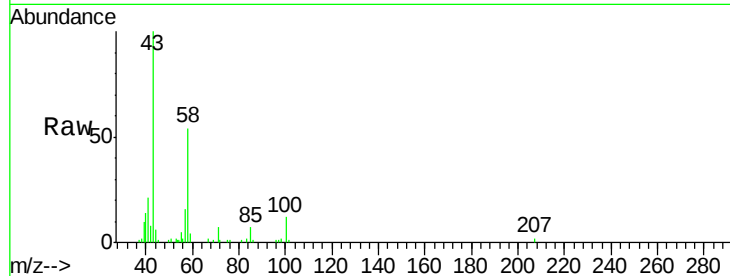
#59
2-Hexanone
Concen: 21.906 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 36363
Ion Ratio Lower Upper
43 100
58 52.2 27.0 80.8

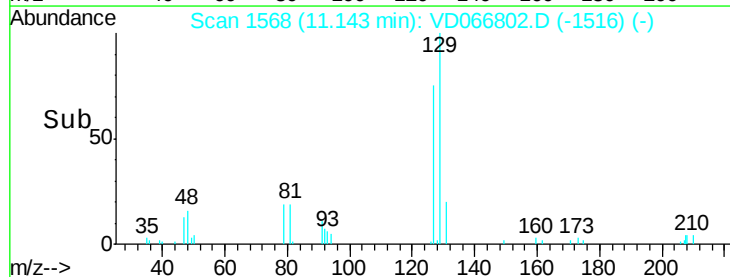
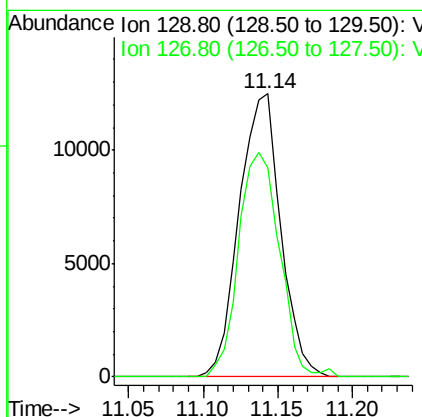
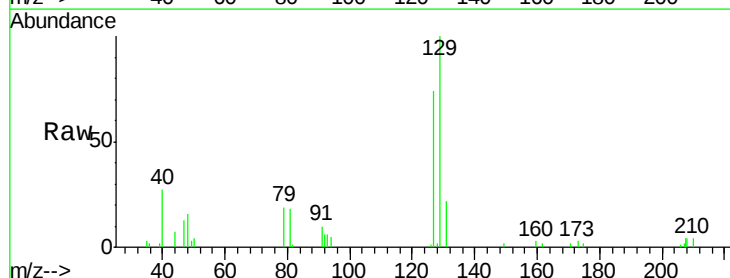
Manual Integrations
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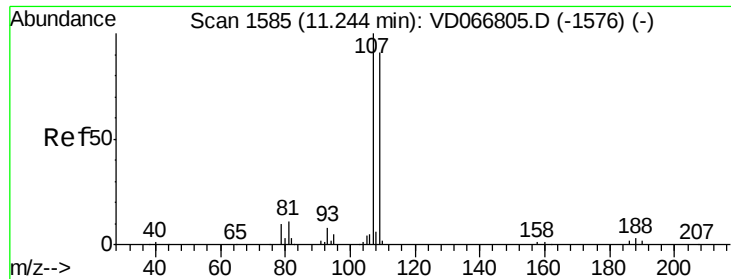
MMDadoda
9/23/2020 1:04:53 PM



#60
Dibromochloromethane
Concen: 5.623 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion: 129 Resp: 24146
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0





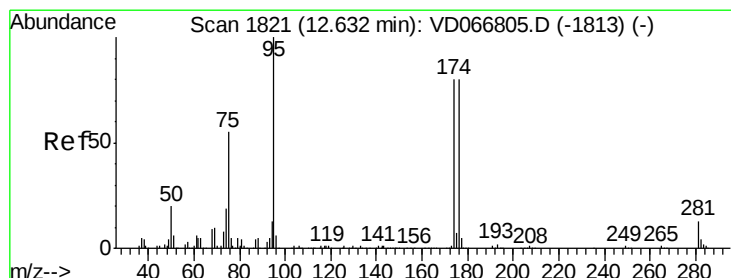
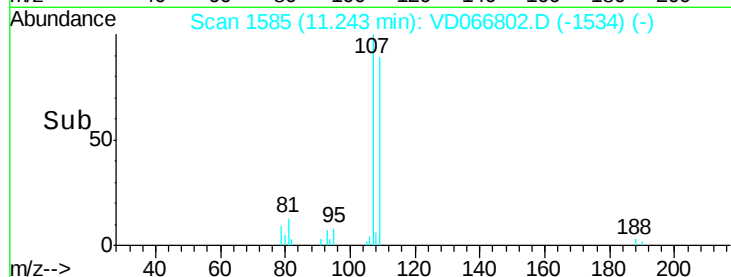
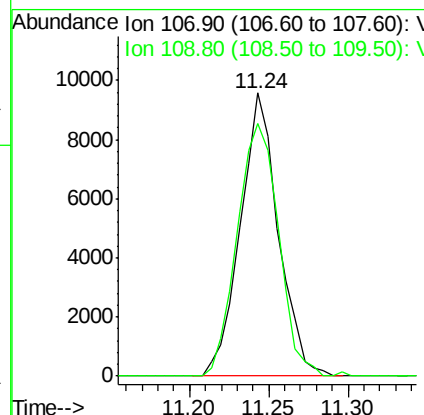
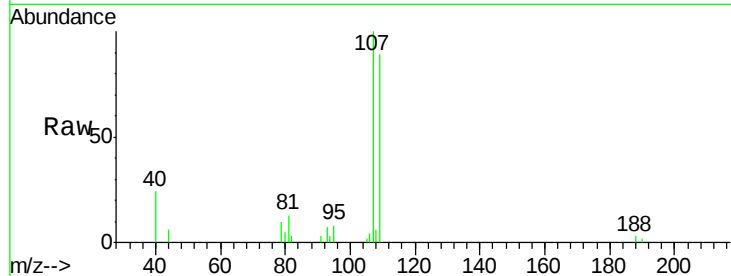
#61
 1,2-Dibromoethane
 Concen: 5.031 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.2	75.0	112.4

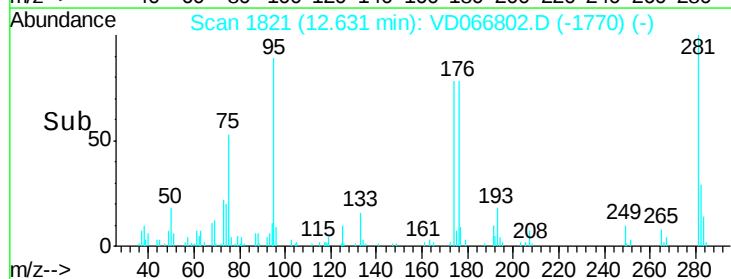
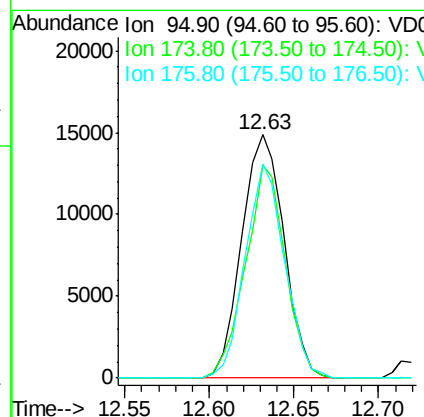
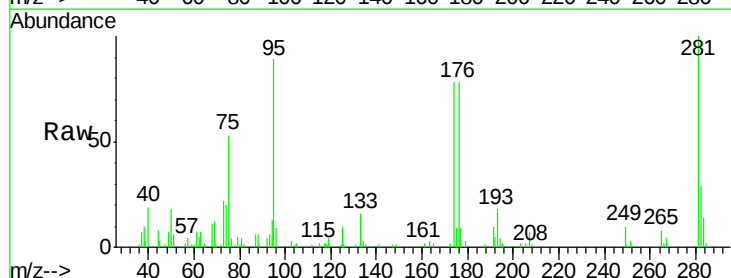
Manual Integrations
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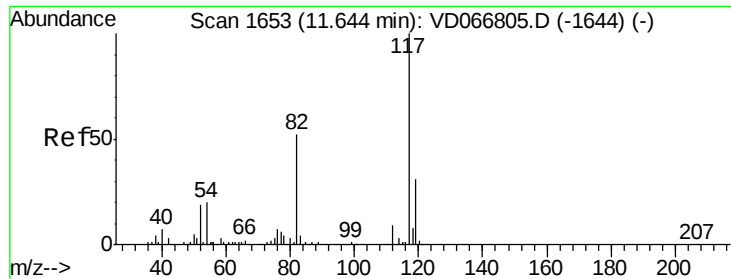
MMDadoda
 9/23/2020 1:04:53 PM



#62
 4-Bromofluorobenzene
 Concen: 5.244 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	159.8
176	82.2	0.0	154.4





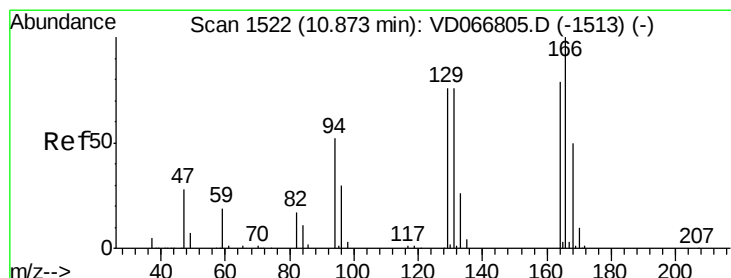
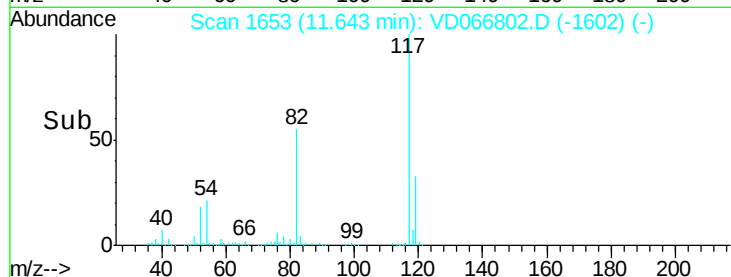
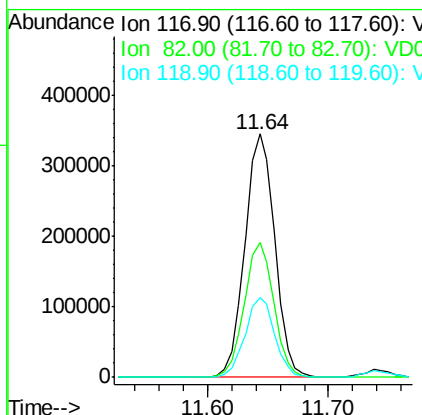
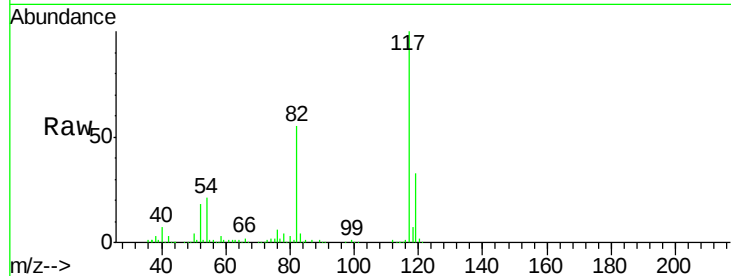
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	597146		
82	55.3		41.8	62.6
119	32.7		24.6	37.0

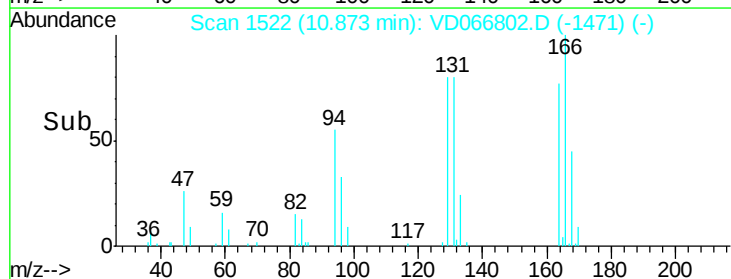
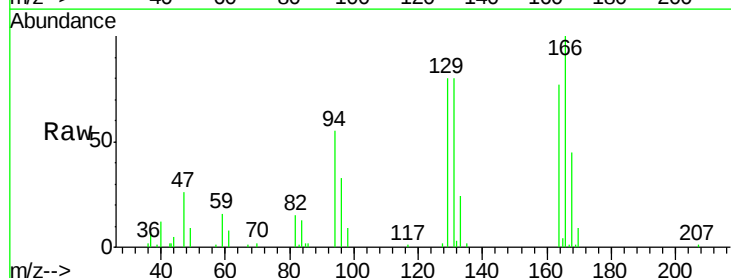
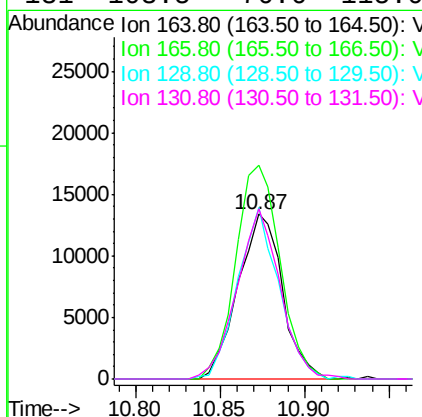
Manual Integrations
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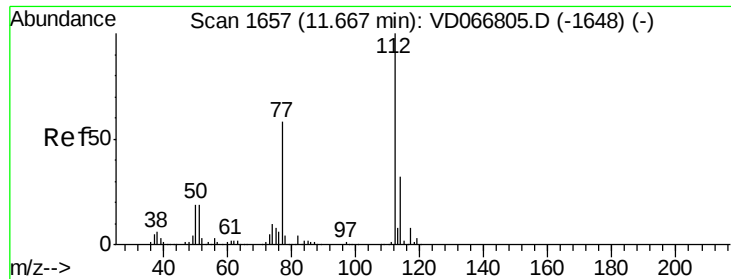
MMDadoda
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#64
Tetrachloroethene
Concen: 5.954 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24448		
166	129.6		101.1	151.7
129	103.9		77.0	115.4
131	103.5		76.6	115.0





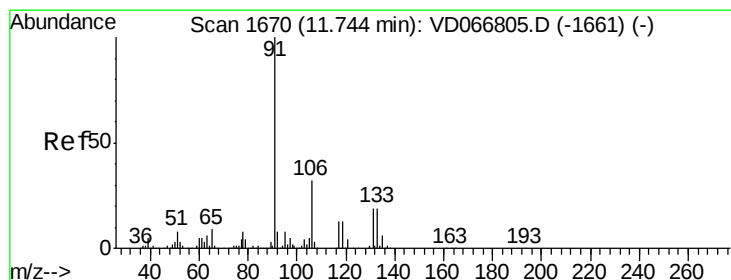
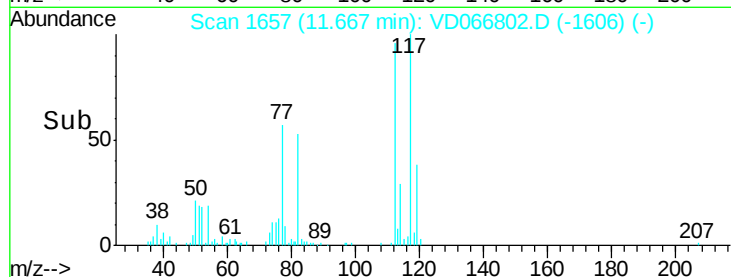
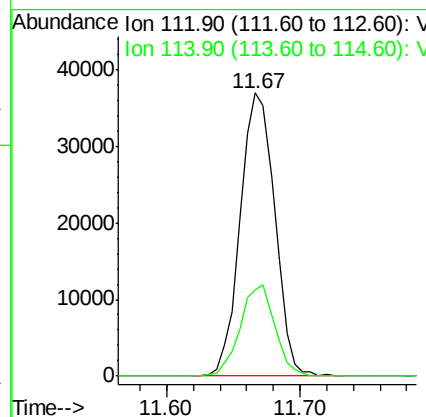
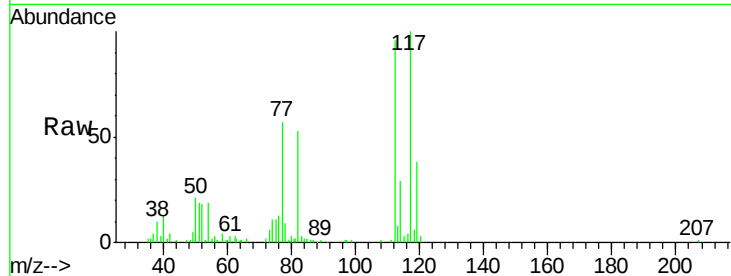
#65
Chlorobenzene
Concen: 5.370 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 66236
Ion Ratio Lower Upper
112 100
114 30.4 25.4 38.2

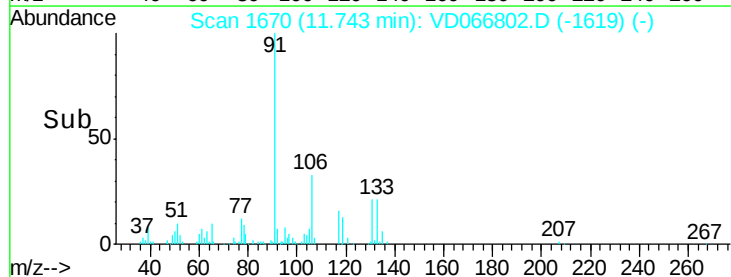
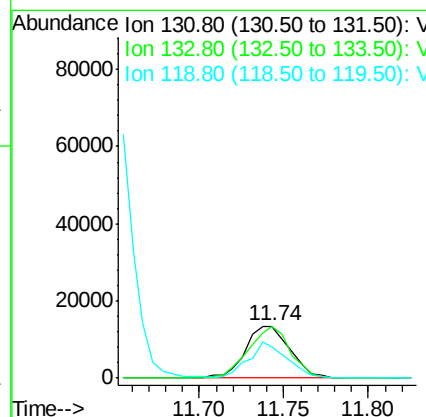
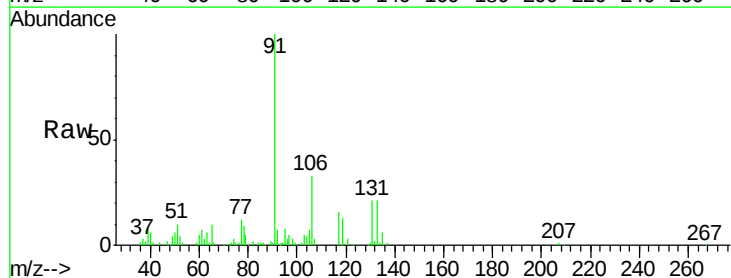
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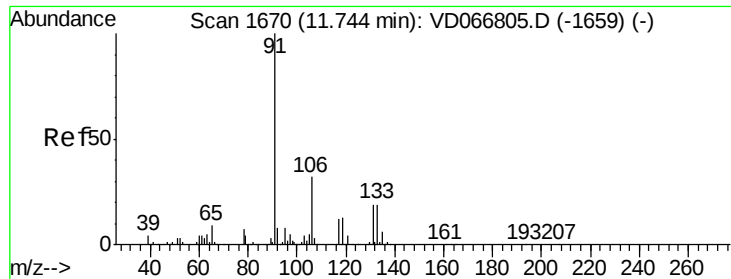
MMDadoda
9/23/2020 1:04:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.345 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion:131 Resp: 24534
Ion Ratio Lower Upper
131 100
133 94.2 46.7 140.1
119 60.9 32.3 96.9





#67

Ethyl Benzene

Concen: 4.754 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 105899

Ion Ratio Lower Upper

91 100

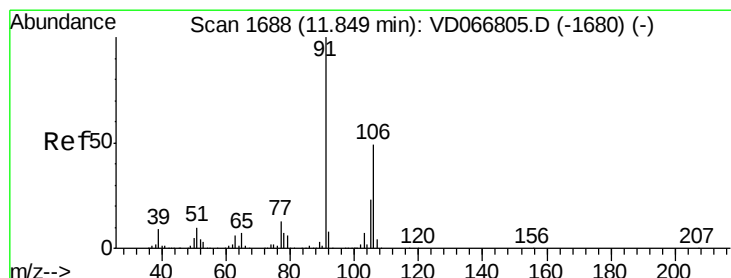
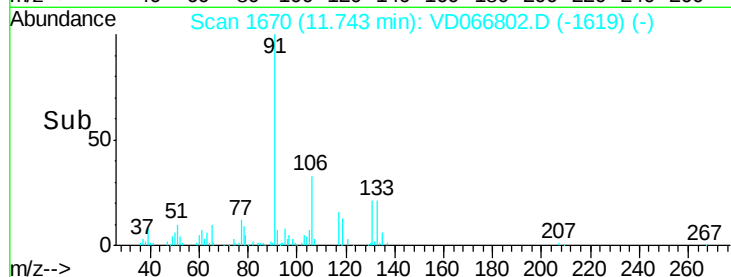
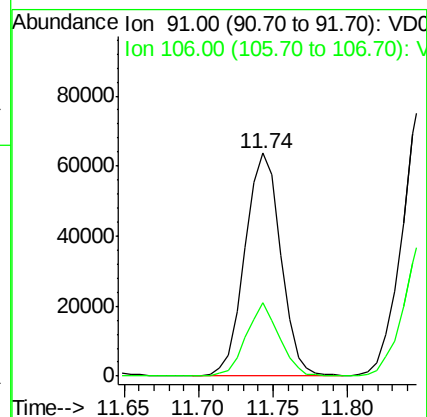
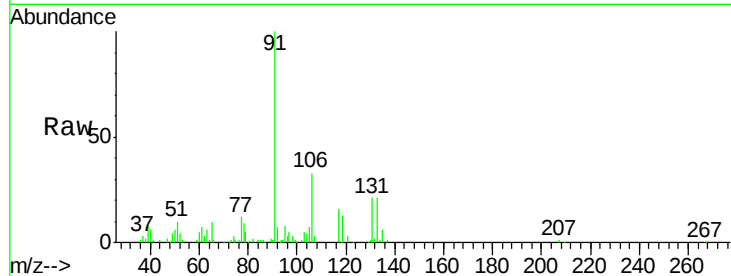
106 32.8 25.6 38.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 9.284 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066802.D

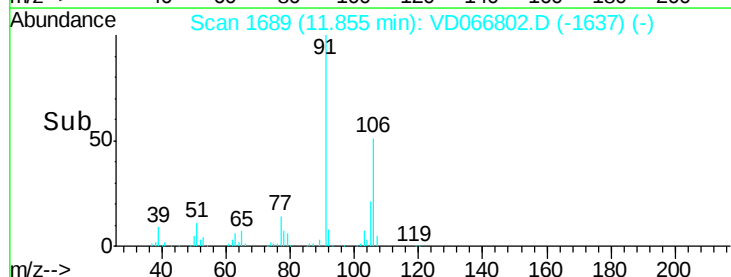
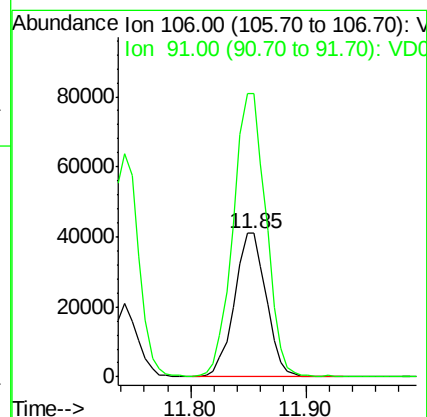
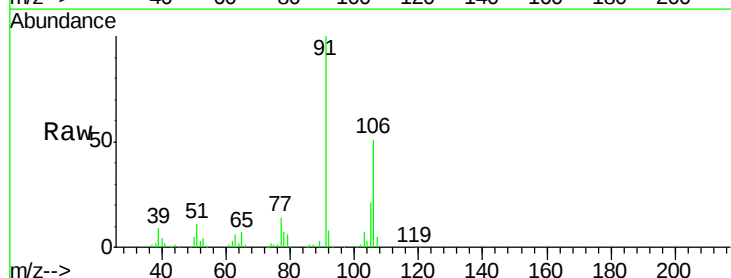
Acq: 22 Sep 2020 10:49

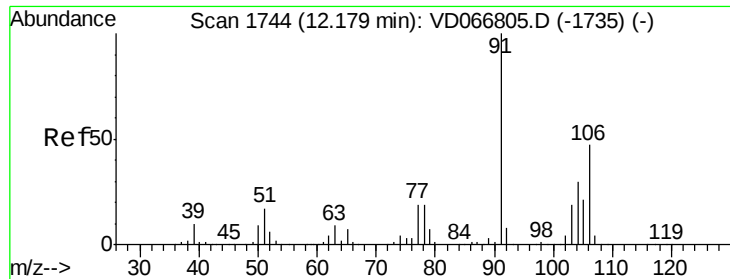
Tgt Ion: 106 Resp: 78379

Ion Ratio Lower Upper

106 100

91 202.2 160.7 241.1





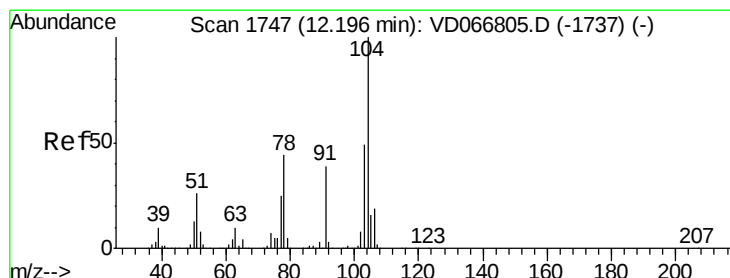
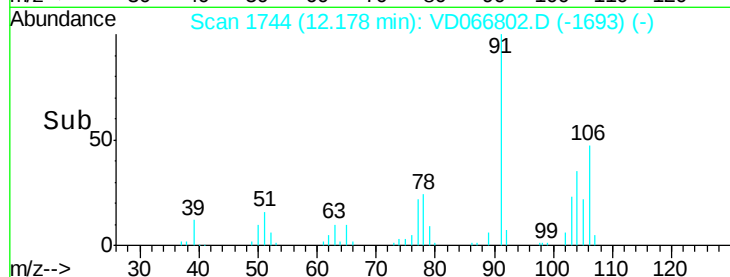
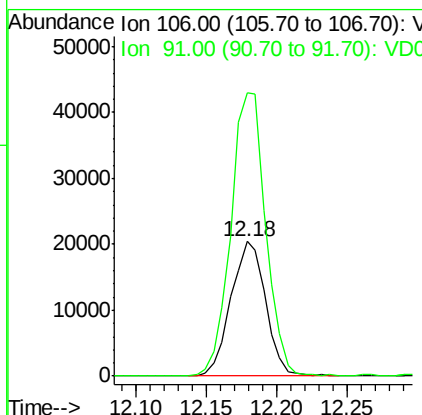
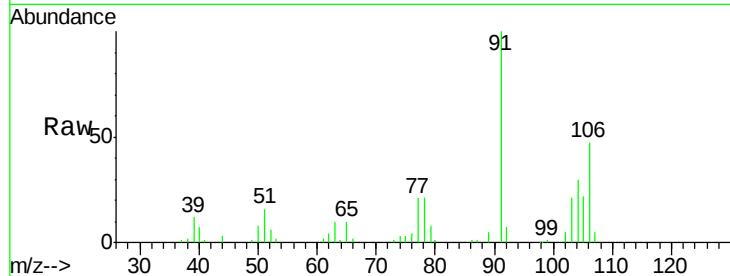
#69
o-Xylene
Concen: 4.670 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.5	106.3	318.8	

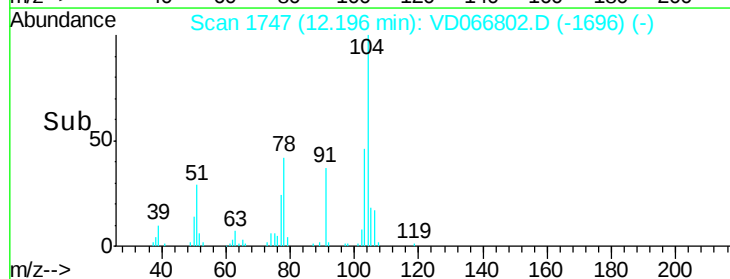
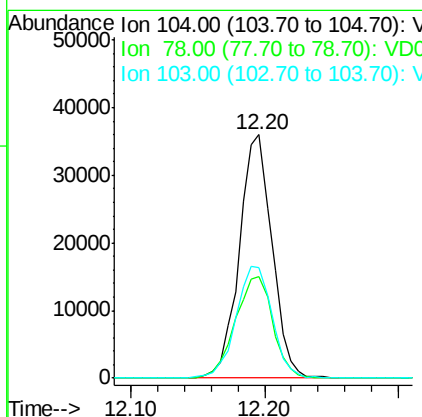
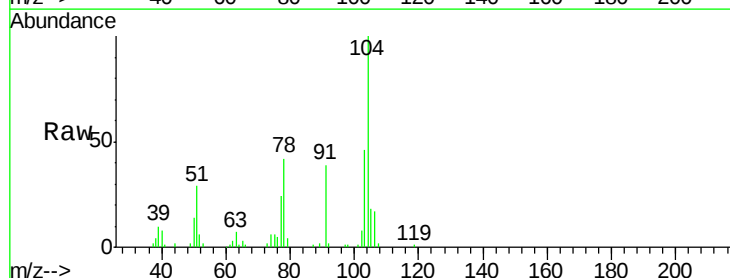
Manual Integrations
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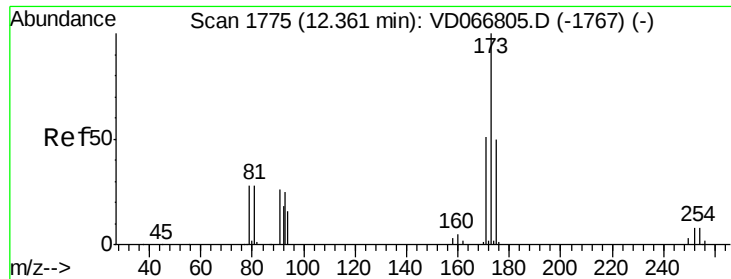
MMDadoda
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#70
Styrene
Concen: 4.637 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.7	38.9	58.3	
103	50.8	43.2	64.8	





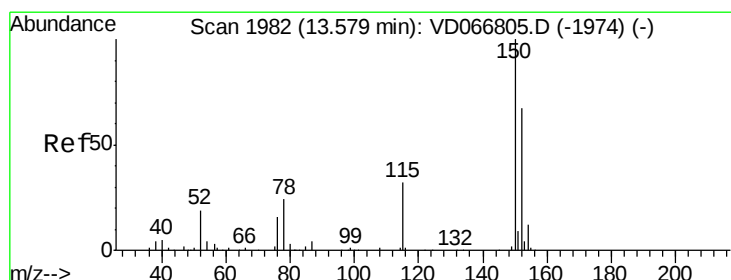
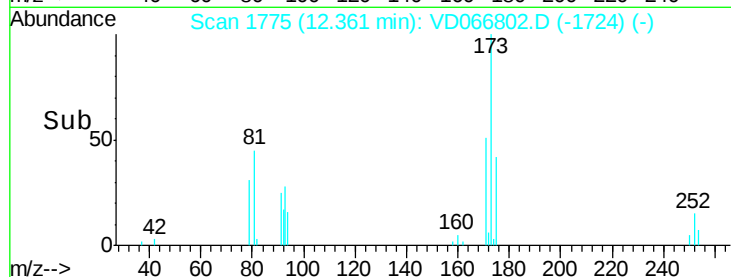
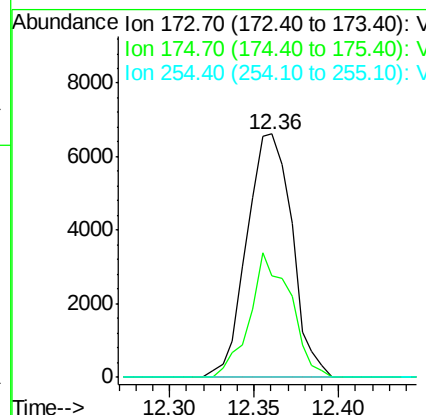
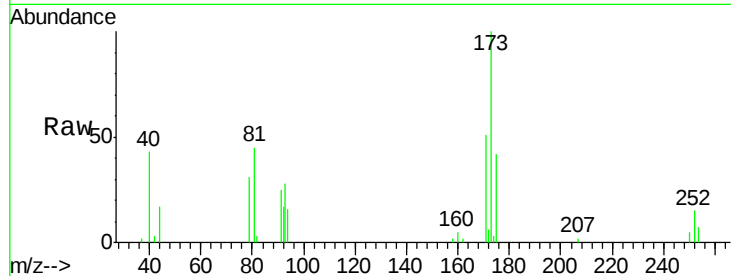
#71
Bromoform
Concen: 5.323 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	24.9	74.6
254	0.0	0.1	0.1#

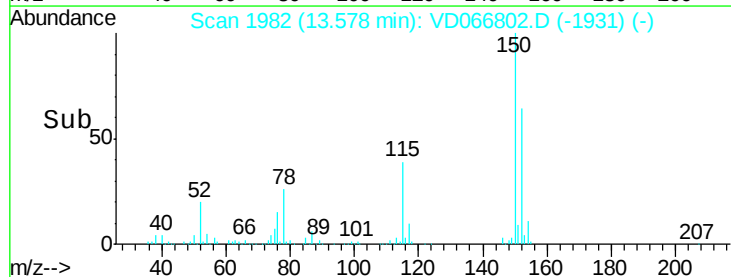
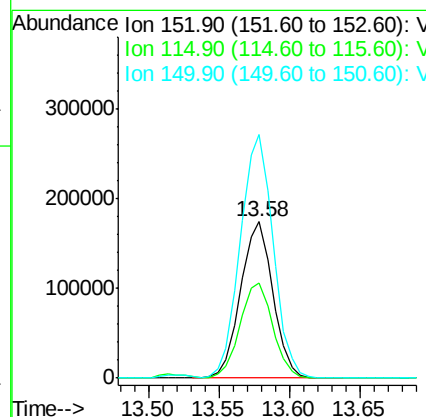
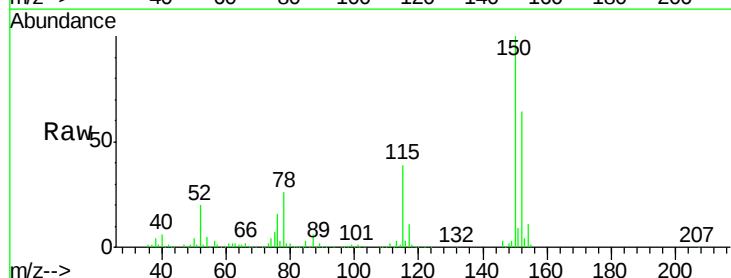
Manual Integrations
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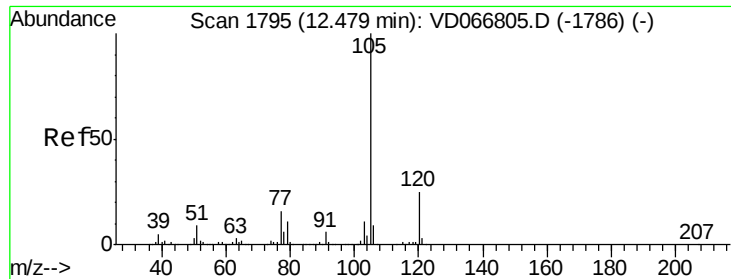
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	30.3	91.0
150	159.3	0.0	346.2





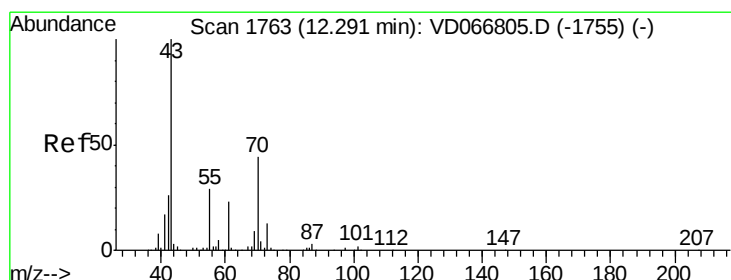
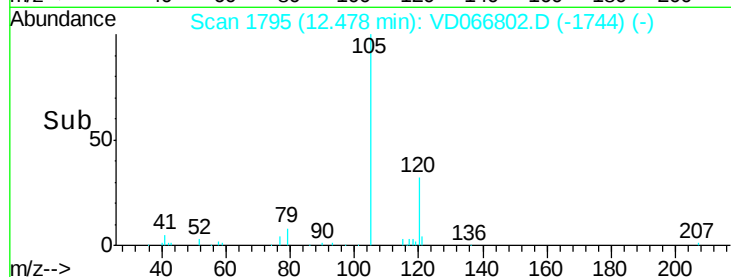
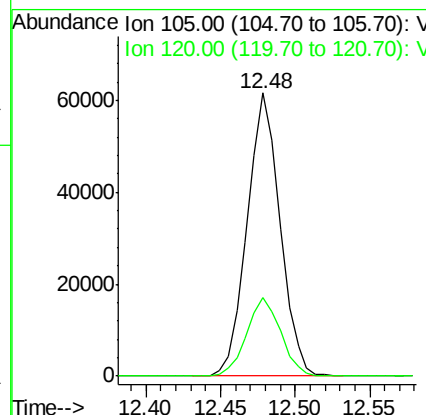
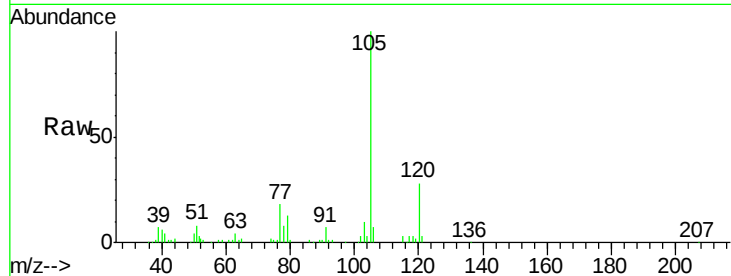
#73
Isopropylbenzene
Concen: 4.527 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.6	12.9	38.6

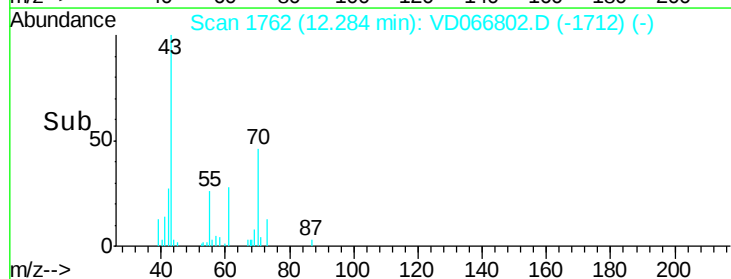
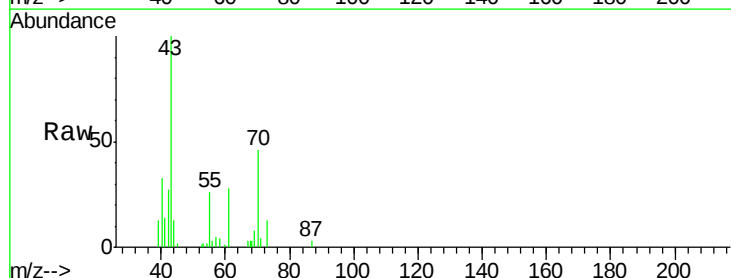
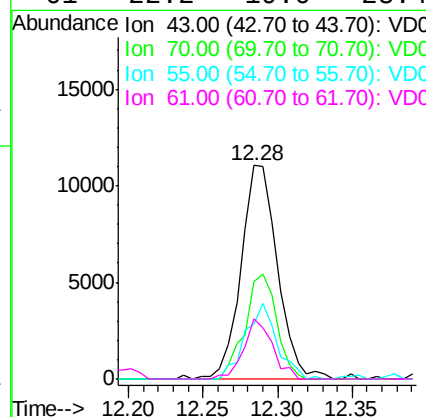
Manual Integrations
APPROVED

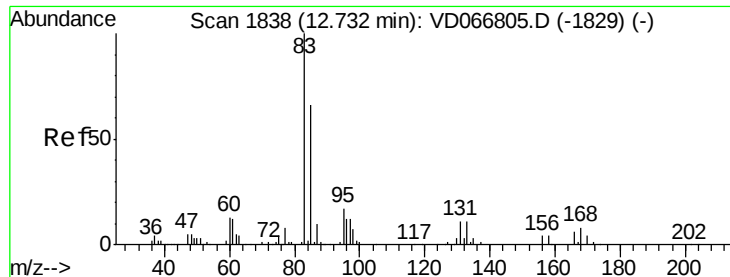
MMDadoda
9/23/2020 1:04:53 PM



#74
N-ethyl acetate
Concen: 4.293 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.6	36.1	54.1
55	30.9	21.8	32.8
61	22.2	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.166 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 18425

Ion Ratio Lower Upper

83 100

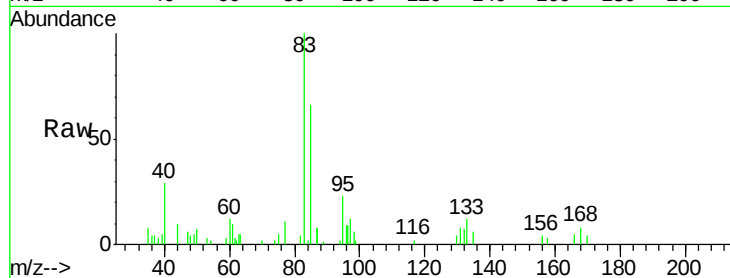
131 11.6 5.5 16.7

85 64.6 32.1 96.5

Manual Integrations
APPROVED

MMDadoda

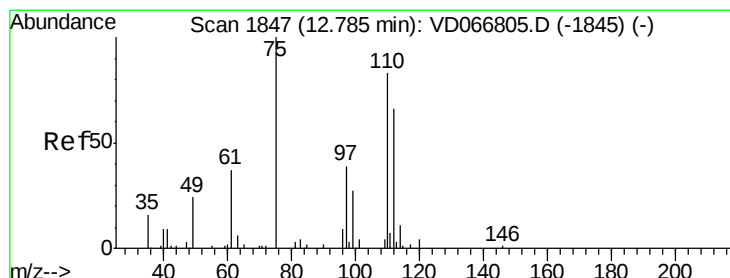
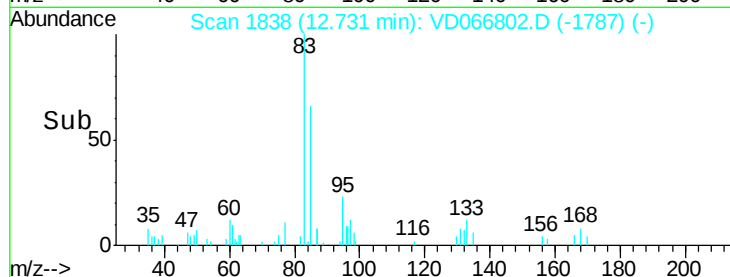
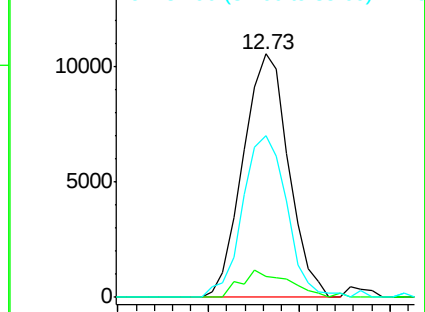
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 5.944 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066802.D

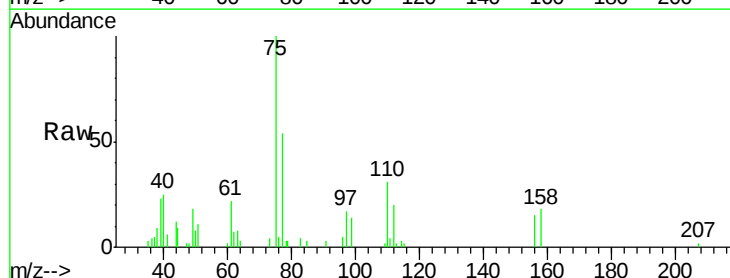
Acq: 22 Sep 2020 10:49

Tgt Ion: 75 Resp: 14284

Ion Ratio Lower Upper

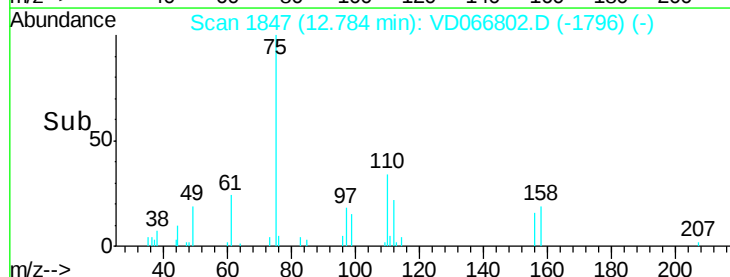
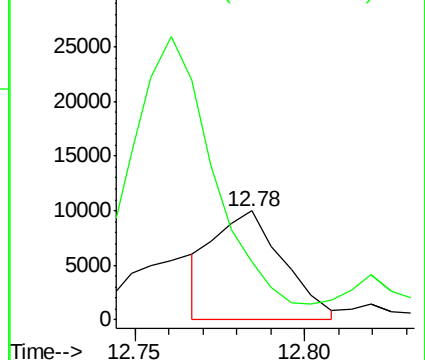
75 100

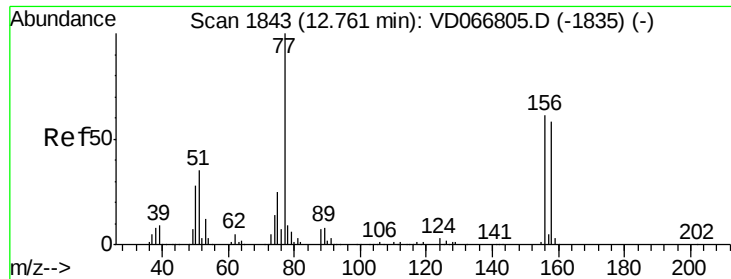
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





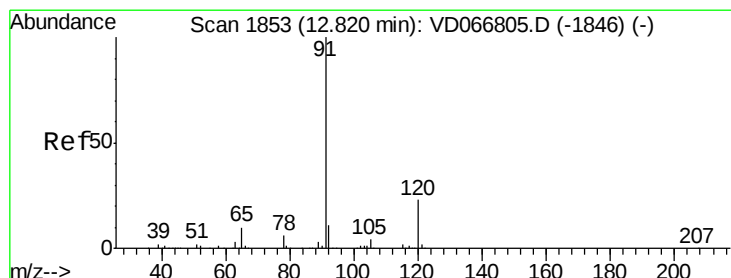
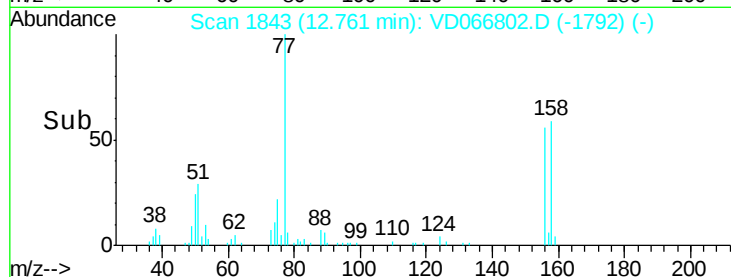
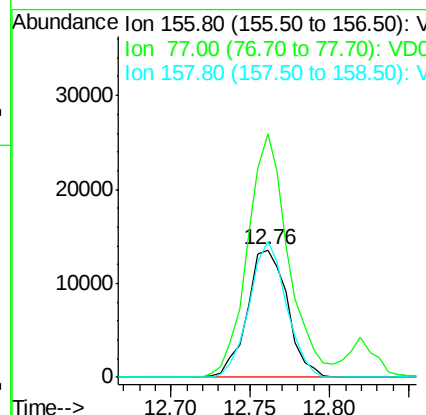
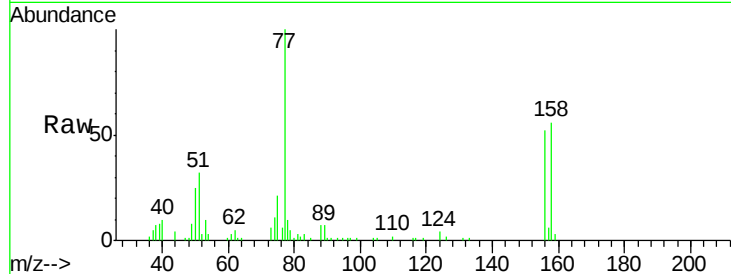
#77
Bromobenzene
Concen: 4.954 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	194.3	92.3	276.9
158	98.1	47.6	142.9

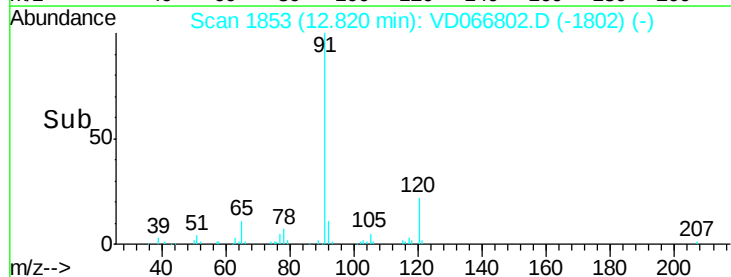
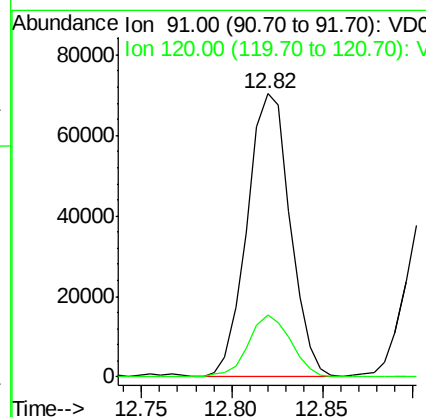
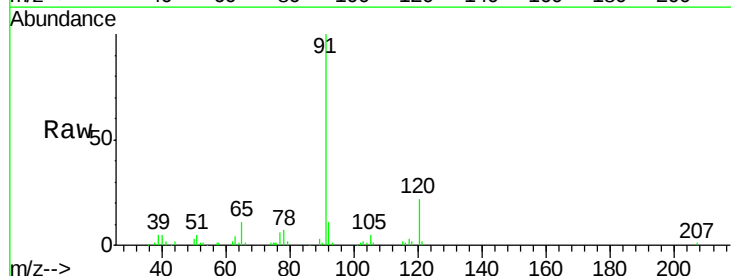
Manual Integrations
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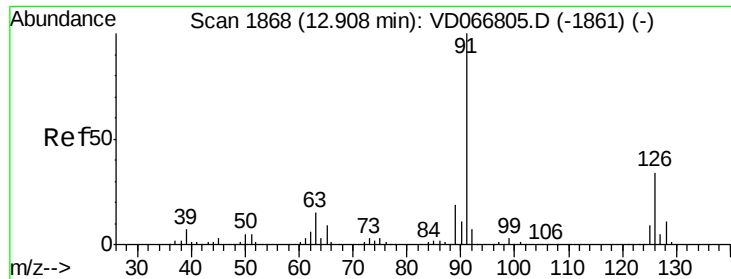
MMDadoda
9/23/2020 1:04:53 PM



#78
n-propylbenzene
Concen: 4.619 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.4	34.2





#79

2-Chlorotoluene

Concen: 4.852 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 69238

Ion Ratio Lower Upper

91 100

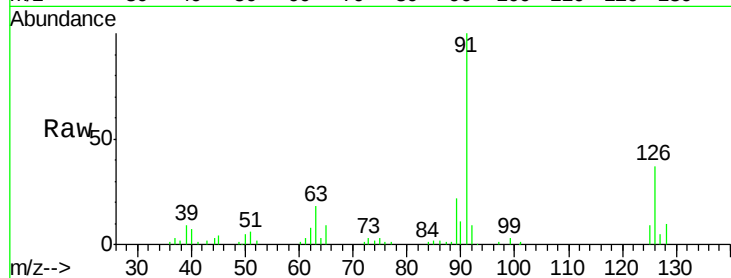
126 34.8 17.0 51.0

Manual Integrations

APPROVED

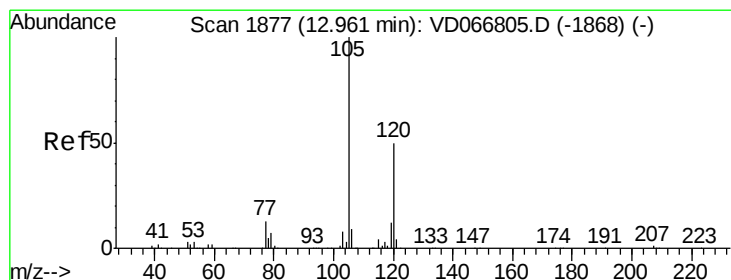
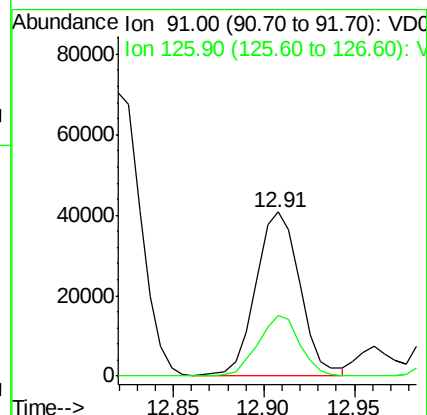
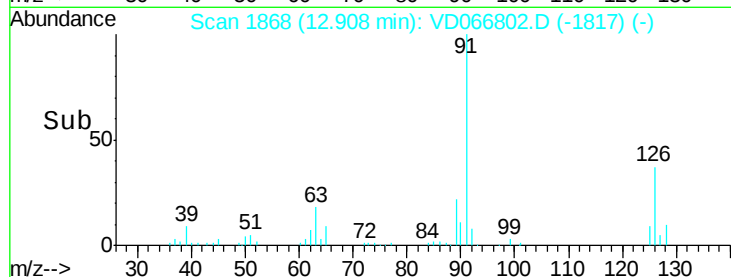
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Abundance Ion 91.00 (90.70 to 91.70): VD066802.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066802.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.479 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066802.D

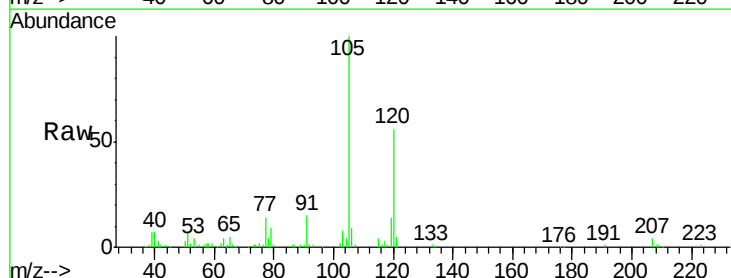
Acq: 22 Sep 2020 10:49

Tgt Ion:105 Resp: 78498

Ion Ratio Lower Upper

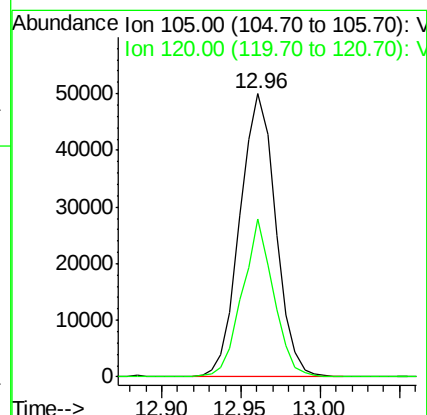
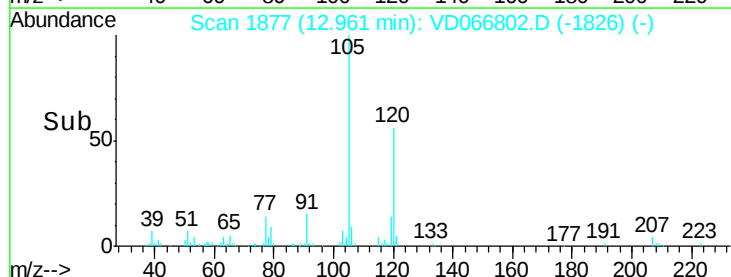
105 100

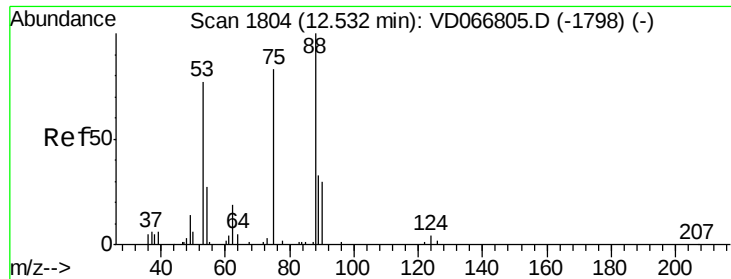
120 48.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VD066802.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066802.D (-1826) (-)





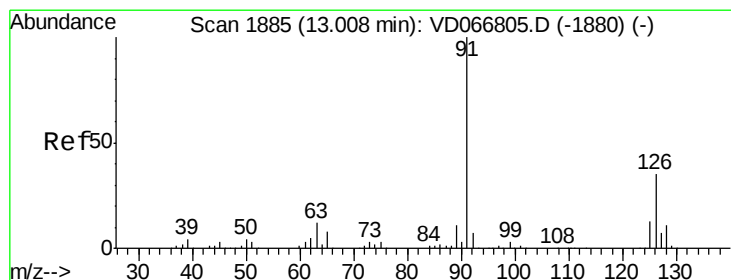
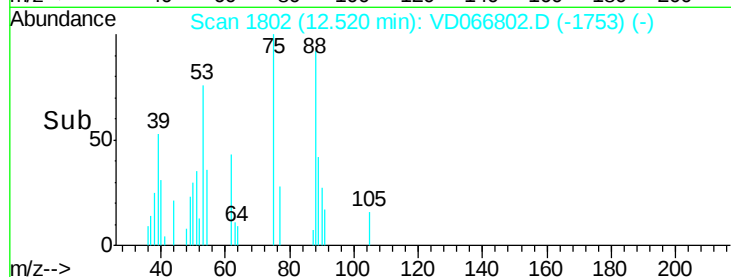
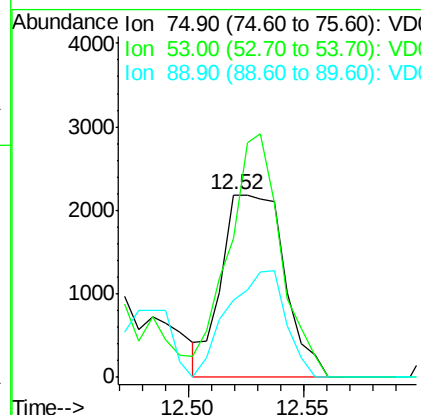
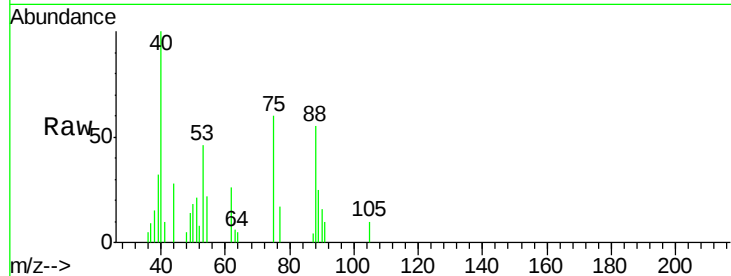
#81
trans-1,4-Dichloro-2-butene
Concen: 3.788 ug/l
RT: 12.52 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.7	78.5	117.7
89	53.7	38.1	57.1

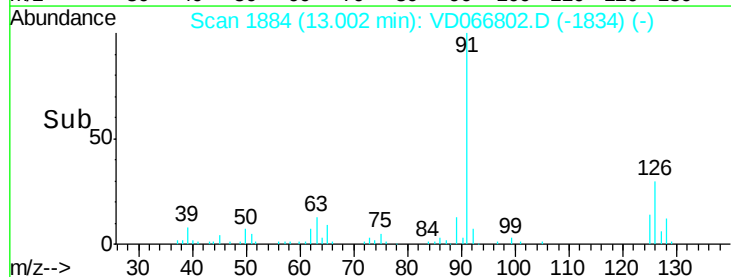
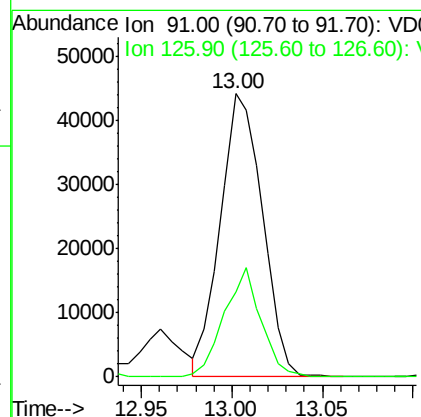
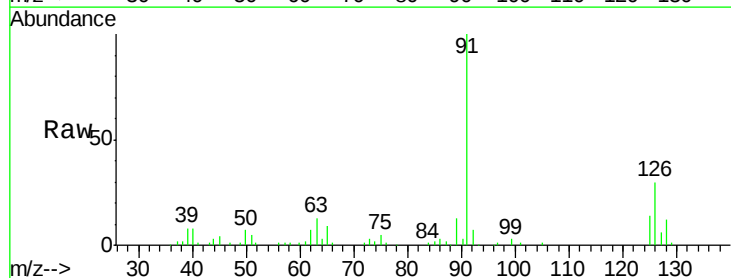
Manual Integrations
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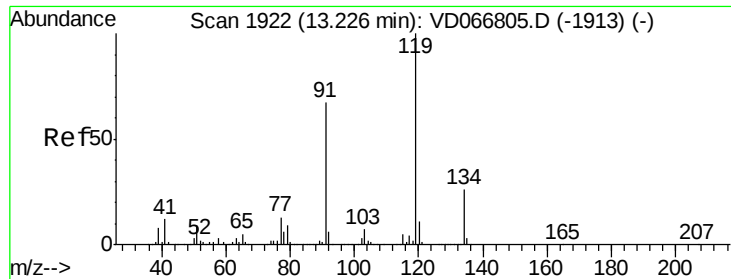
MMDadoda
9/23/2020 1:04:53 PM



#82
4-Chlorotoluene
Concen: 4.721 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.1	51.2





#83

tert-Butylbenzene

Concen: 4.584 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

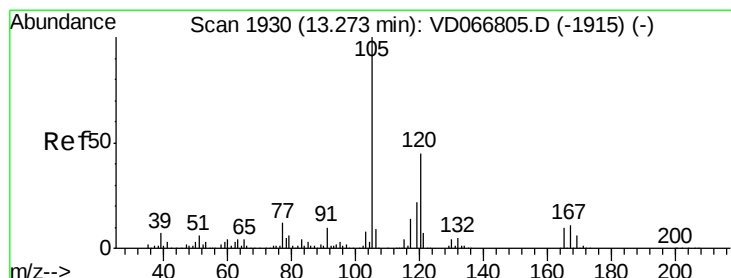
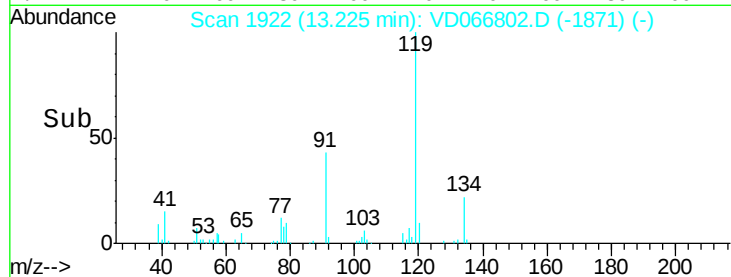
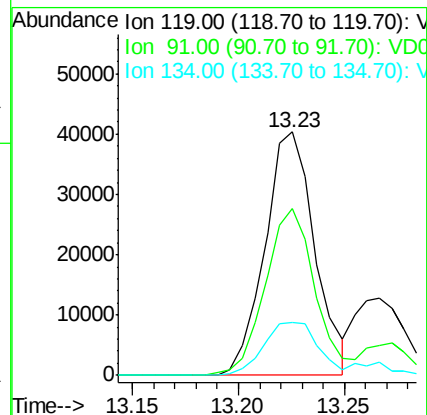
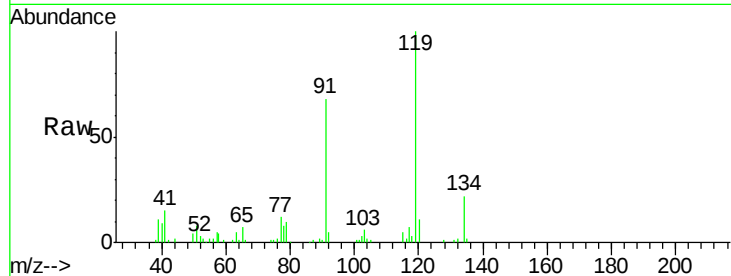
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	66371
Ion	Ratio	Lower	Upper
119	100		
91	68.8	33.6	100.8
134	23.6	13.5	40.4

Manual Integrations
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9/23/2020 1:04:53 PM



#84

1,2,4-Trimethylbenzene

Concen: 4.520 ug/l

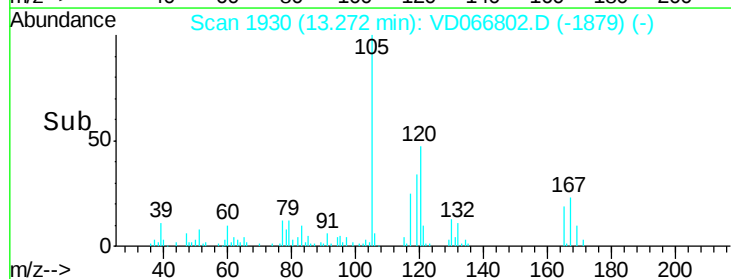
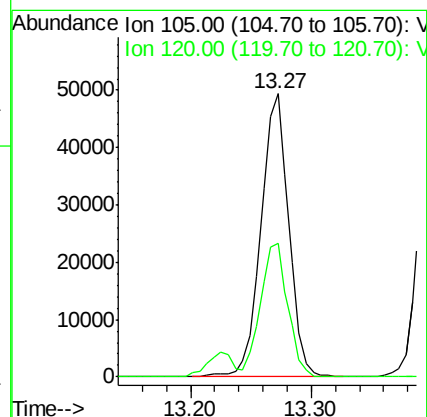
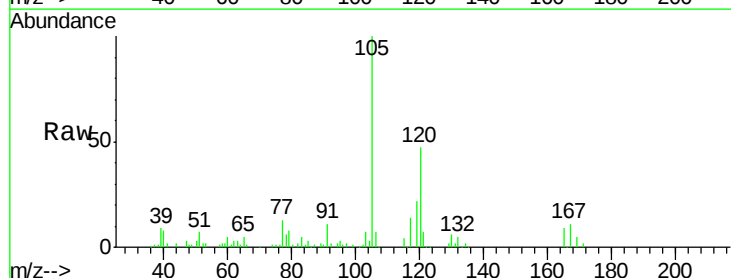
RT: 13.27 min Scan# 1930

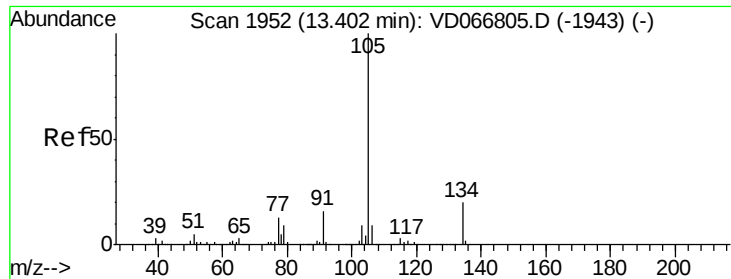
Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Tgt Ion:	105	Resp:	79217
Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.3	66.9





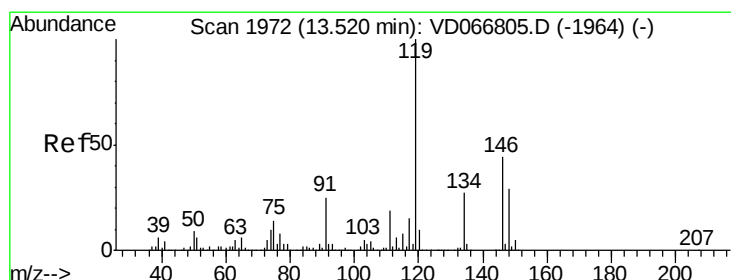
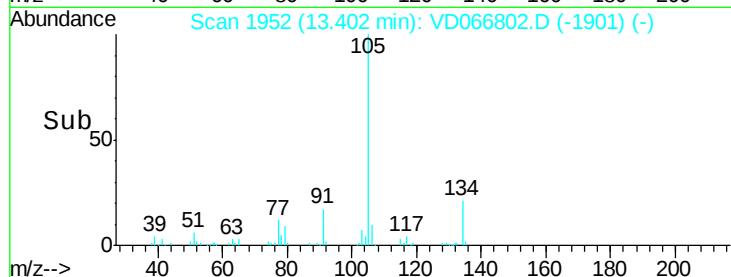
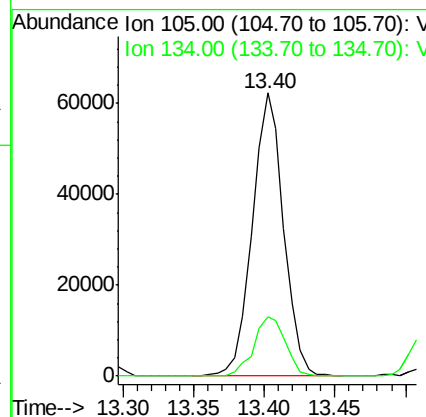
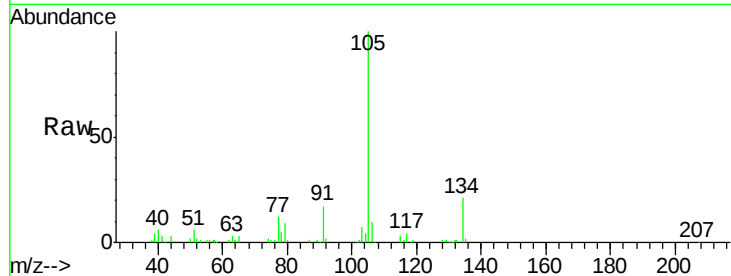
#85
 sec-Butylbenzene
 Concen: 4.658 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.2	30.6

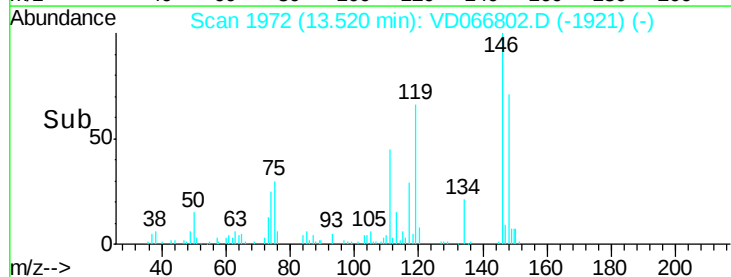
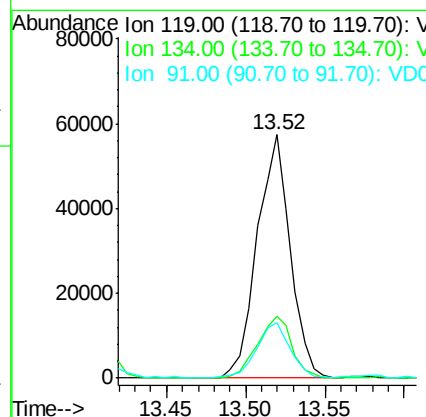
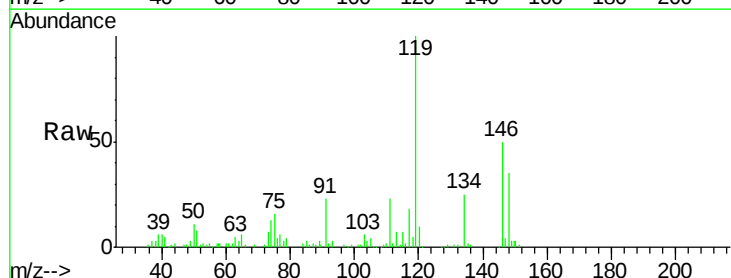
Manual Integrations
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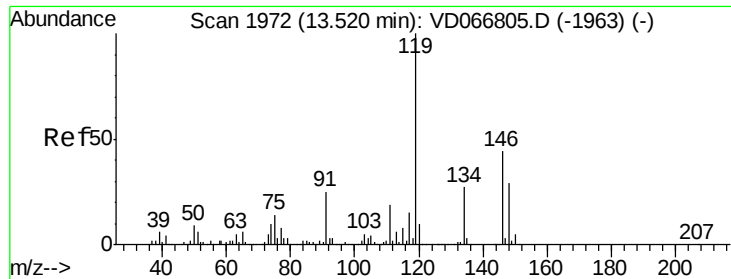
MMDadoda
 9/23/2020 1:04:53 PM



#86
 p-Isopropyltoluene
 Concen: 4.426 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	38.9
91	23.3	12.0	36.1





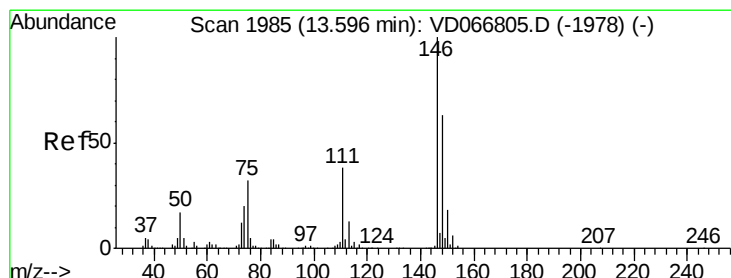
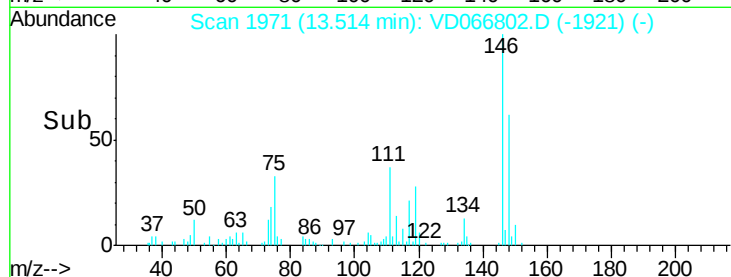
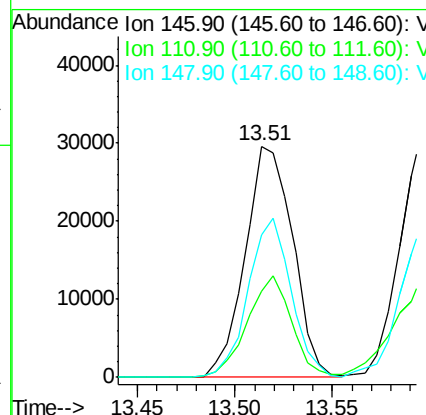
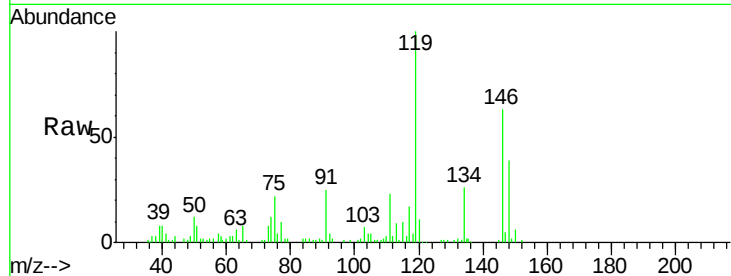
#87
 1,3-Dichlorobenzene
 Concen: 5.432 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.9
148	62.3	31.9	95.5

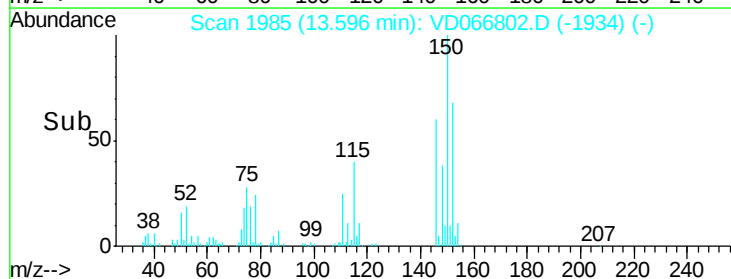
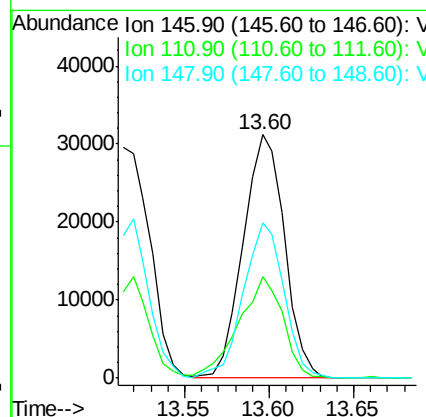
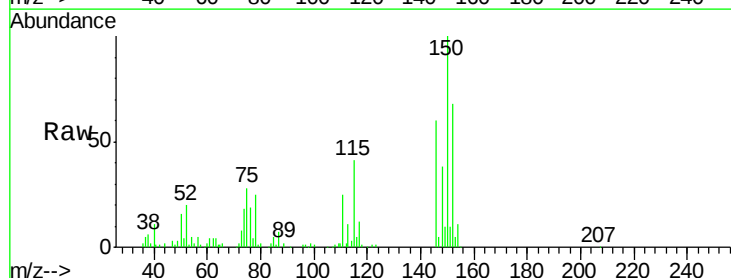
Manual Integrations
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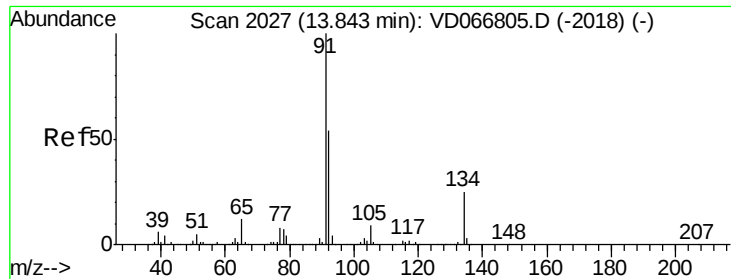
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 5.771 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.2	60.5
148	62.9	31.6	94.7





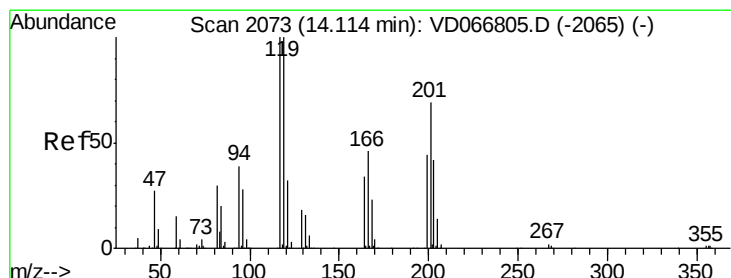
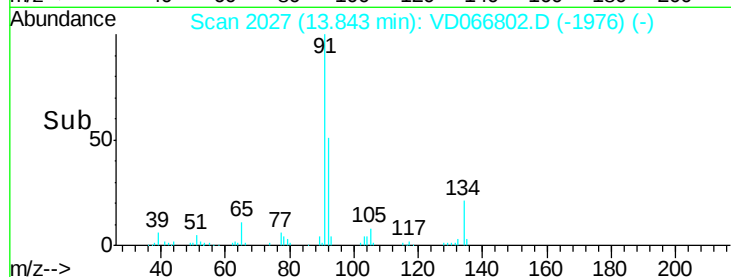
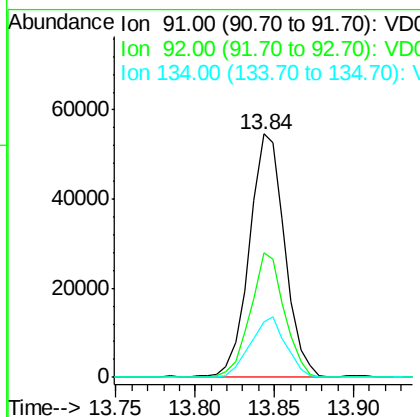
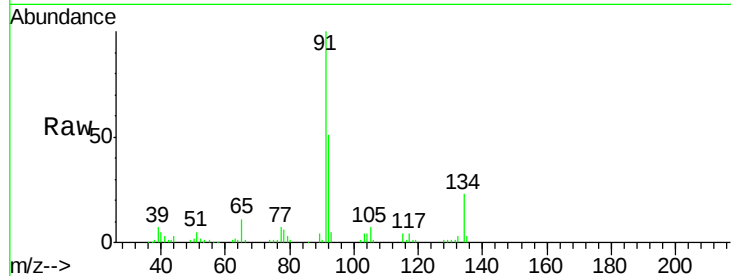
#89
n-Butylbenzene
Concen: 4.757 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	49.2	26.7	80.0	
134	24.8	13.1	39.1	

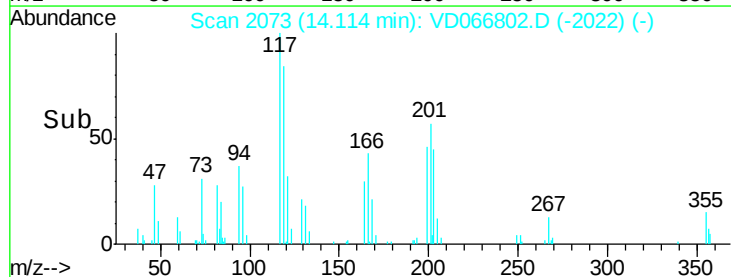
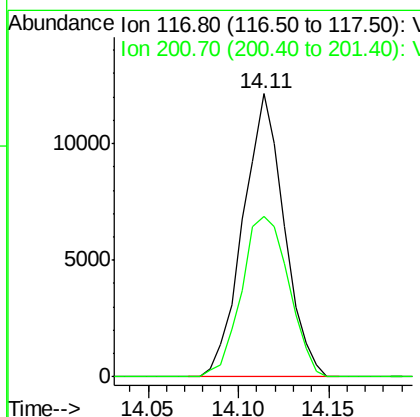
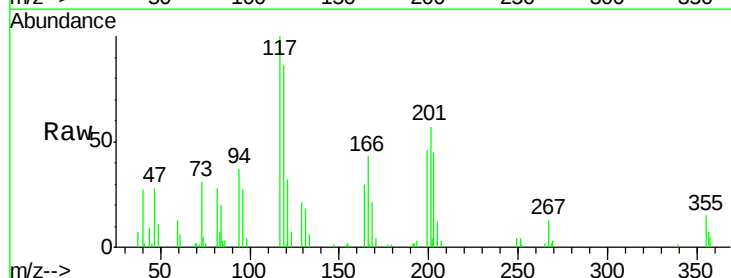
Manual Integrations
APPROVED

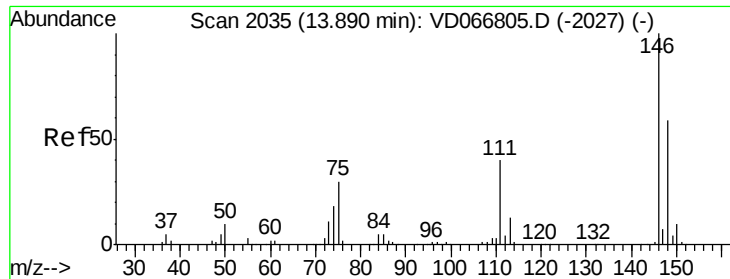
MMDadoda
9/23/2020 1:04:53 PM



#90
Hexachloroethane
Concen: 4.989 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066802.D
Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.1	33.7	101.0	





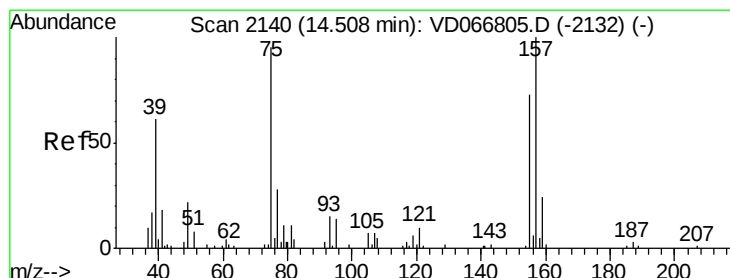
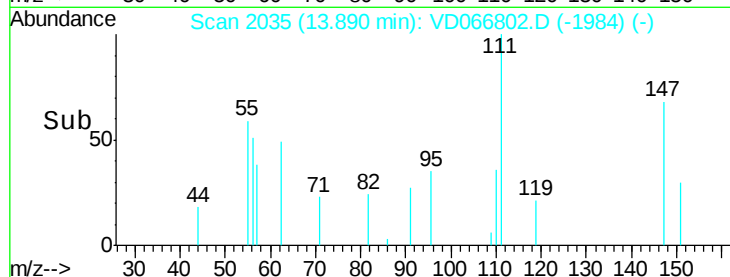
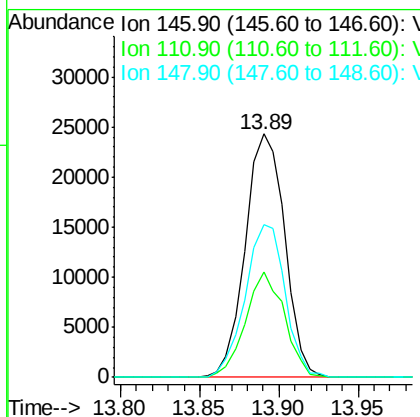
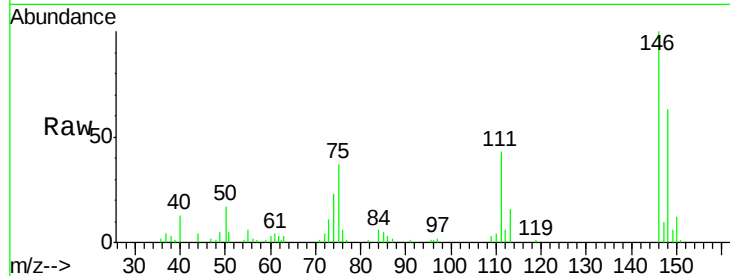
#91
 1,2-Dichlorobenzene
 Concen: 5.324 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.9	62.7
148	63.7	31.8	95.3

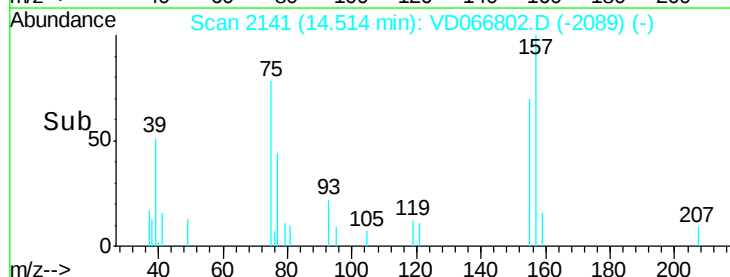
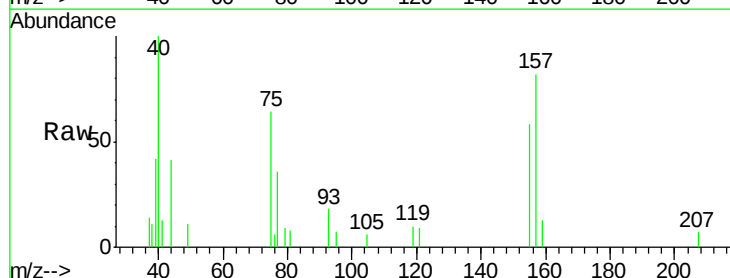
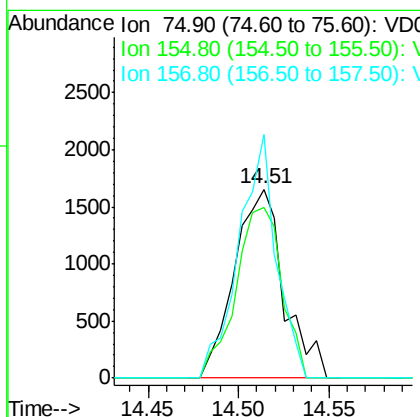
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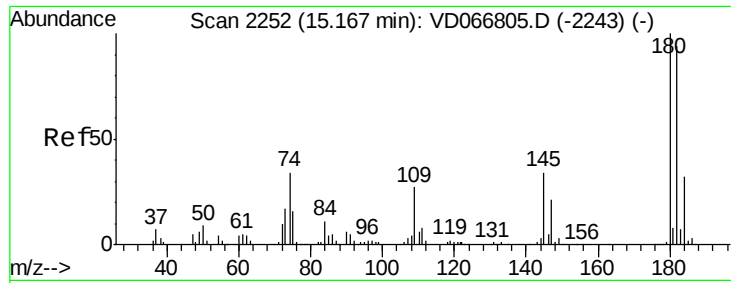
MMDadoda
 9/23/2020 1:04:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.502 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.9	40.4	121.2
157	97.7	51.3	153.9





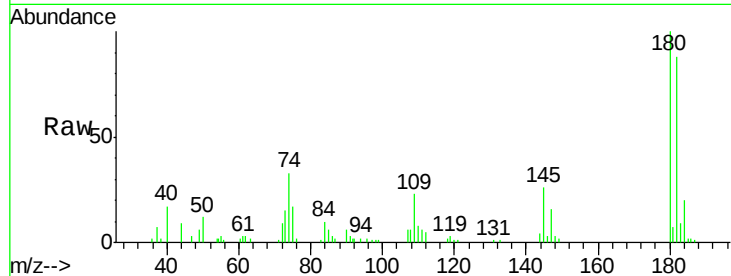
#93
 1,2,4-Trichlorobenzene
 Concen: 5.010 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

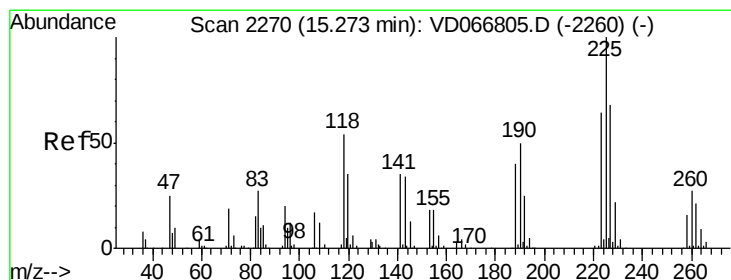
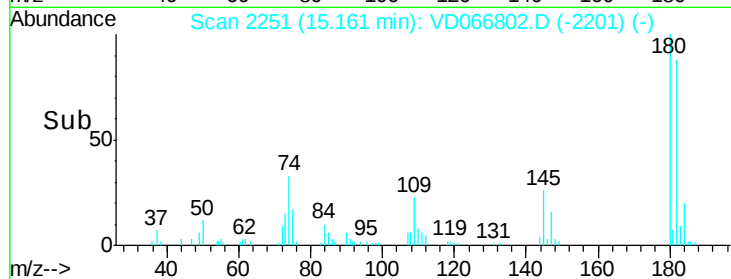
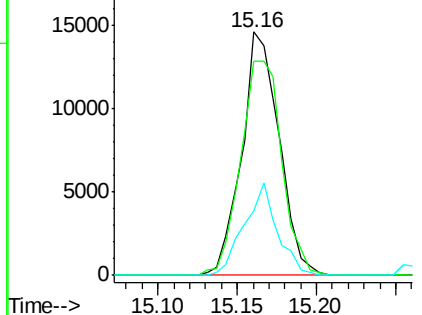
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.8	146.3
145	33.4	16.7	50.0

Manual Integrations
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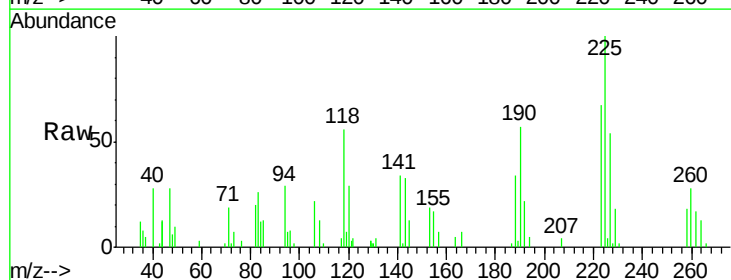


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

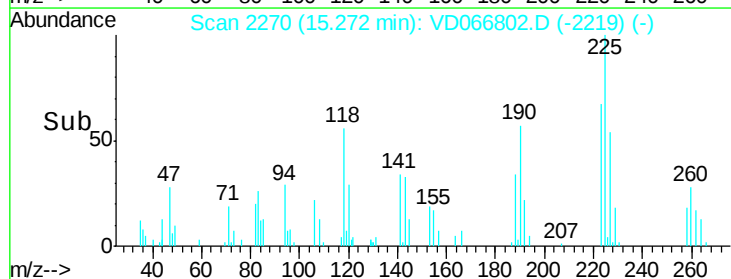
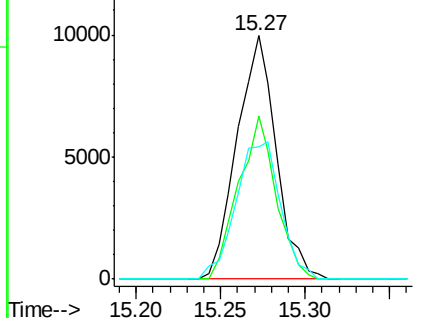


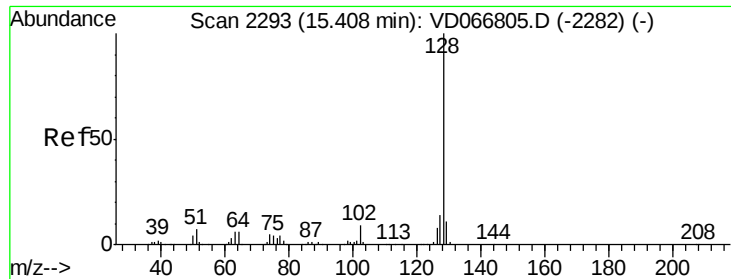
#94
 Hexachlorobutadiene
 Concen: 5.581 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066802.D
 Acq: 22 Sep 2020 10:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.1	93.3
227	64.1	31.7	95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.450 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Instrument :

MSVOA_D

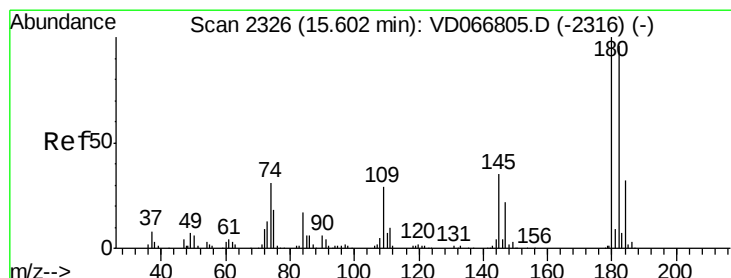
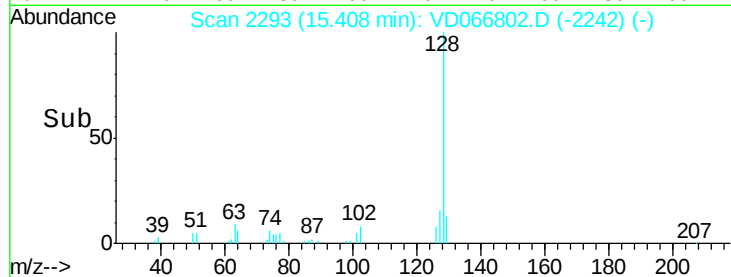
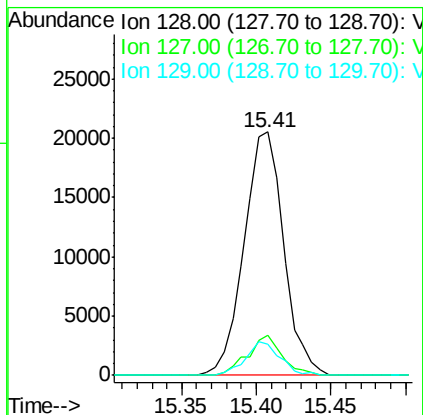
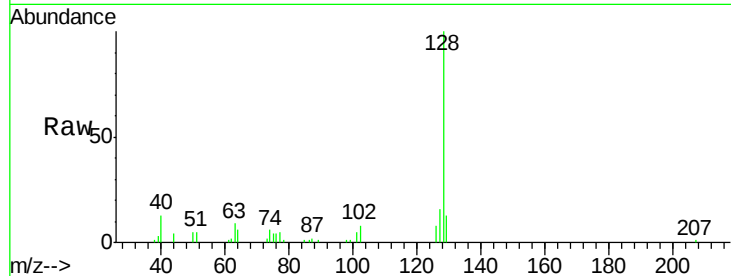
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	37566
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.6	16.0
129	12.0	8.9	13.3

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 4.877 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066802.D

Acq: 22 Sep 2020 10:49

Tgt Ion:	180	Resp:	20566
Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.8	140.3
145	38.5	17.0	51.0

