

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066982.D
 Acq On : 30 Sep 2020 19:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 10/1/2020 2:41:59 PM

Quant Time: Oct 01 01:35:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	415337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	685386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	633173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	182354	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	
35) Dibromofluoromethane	7.92	113	196323	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
50) Toluene-d8	10.34	98	680543	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
62) 4-Bromofluorobenzene	12.63	95	247484	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	130518	44.417	ug/l	94
3) Chloromethane	2.21	50	156724	41.069	ug/l	98
4) Vinyl Chloride	2.35	62	156919	41.623	ug/l	98
5) Bromomethane	2.77	94	119066	44.933	ug/l	98
6) Chloroethane	2.92	64	101079	43.174	ug/l	93
7) Trichlorofluoromethane	3.27	101	348020	44.948	ug/l	94
8) Diethyl Ether	3.71	74	113206	57.593	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	209875	46.746	ug/l	97
10) Methyl Iodide	4.30	142	191284	48.282	ug/l	95
11) Tert butyl alcohol	5.22	59	71461	300.679	ug/l	97
12) 1,1-Dichloroethene	4.07	96	200036	49.184	ug/l	97
13) Acrolein	3.93	56	73634	245.541	ug/l	94
14) Allyl chloride	4.71	41	307414	51.475	ug/l	96
15) Acrylonitrile	5.42	53	246045	282.455	ug/l	99
16) Acetone	4.16	43	179665	208.342	ug/l	97
17) Carbon Disulfide	4.41	76	565255	45.460	ug/l	98
18) Methyl Acetate	4.72	43	111954	58.825	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	522108	59.113	ug/l	97
20) Methylene Chloride	4.96	84	263362	57.455	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	246830	52.414	ug/l	99
22) Diisopropyl ether	6.36	45	673209	54.825	ug/l	96
23) Vinyl Acetate	6.31	43	1808678	271.069	ug/l	98
24) 1,1-Dichloroethane	6.27	63	421919	51.362	ug/l	97
25) 2-Butanone	7.21	43	283991	274.037	ug/l	99
26) 2,2-Dichloropropane	7.21	77	347464	46.149	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	283038	55.317	ug/l	95
28) Bromochloromethane	7.55	49	175951	51.847	ug/l	92
29) Tetrahydrofuran	7.56	42	188393	283.714	ug/l	96
30) Chloroform	7.71	83	466047	52.631	ug/l	100
31) Cyclohexane	7.98	56	327335	44.285	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	407779	50.907	ug/l	98
36) 1,1-Dichloropropene	8.11	75	325669	47.895	ug/l	98
37) Ethyl Acetate	7.30	43	134117	54.561	ug/l #	95
38) Carbon Tetrachloride	8.10	117	360831	48.539	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	390828	50.062	ug/l	98
40) Benzene	8.35	78	978449	51.632	ug/l	96
41) Methacrylonitrile	7.52	41	83297m	55.103	ug/l	
42) 1,2-Dichloroethane	8.43	62	284326	50.753	ug/l	99
43) Isopropyl Acetate	8.45	43	258471	54.540	ug/l	100
44) Trichloroethene	9.11	130	280539	51.937	ug/l	94
45) 1,2-Dichloropropane	9.38	63	248495	52.118	ug/l	99
46) Dibromomethane	9.47	93	142089	54.849	ug/l	96
47) Bromodichloromethane	9.66	83	366302	52.637	ug/l	99
48) Methyl methacrylate	9.46	41	122812	52.560	ug/l	93
49) 1,4-Dioxane	9.46	88	32889	1133.361	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	678844	282.695	ug/l	98
52) Toluene	10.40	92	659490	54.028	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	330530	55.804	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	389640	53.950	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	196955	55.305	ug/l	98
56) Ethyl methacrylate	10.66	69	237081	62.143	ug/l	94
57) 1,3-Dichloropropane	10.94	76	327056	55.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	454562	251.637	ug/l	97
59) 2-Hexanone	10.98	43	454945	280.935	ug/l	95
60) Dibromochloromethane	11.14	129	262290	56.432	ug/l	99
61) 1,2-Dibromoethane	11.24	107	187926	56.734	ug/l	98
64) Tetrachloroethene	10.87	164	238548	52.376	ug/l	97
65) Chlorobenzene	11.67	112	701506	53.226	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	276217	55.373	ug/l	98
67) Ethyl Benzene	11.74	91	1232442	53.242	ug/l	99
68) m/p-Xylenes	11.86	106	956130	109.096	ug/l	98
69) o-Xylene	12.18	106	444322	56.067	ug/l	99
70) Styrene	12.20	104	772900	56.160	ug/l	99
71) Bromoform	12.36	173	146294	57.924	ug/l #	100
73) Isopropylbenzene	12.48	105	1188642	54.088	ug/l	97
74) N-amyl acetate	12.29	43	240248	55.981	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	204250	53.862	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	161954m	64.241	ug/l	
77) Bromobenzene	12.76	156	286475	55.737	ug/l	93
78) n-propylbenzene	12.82	91	1386694	52.450	ug/l	99
79) 2-Chlorotoluene	12.91	91	796101	52.841	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1007544	54.032	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	61468	61.001	ug/l	94
82) 4-Chlorotoluene	13.01	91	837691	52.746	ug/l	99
83) tert-Butylbenzene	13.23	119	838930	54.751	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1003765	54.285	ug/l	99
85) sec-Butylbenzene	13.40	105	1171367	53.161	ug/l	100
86) p-Isopropyltoluene	13.52	119	1079740	54.364	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	539663	53.146	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	533350	52.884	ug/l	98
89) n-Butylbenzene	13.85	91	984041	52.126	ug/l	99
90) Hexachloroethane	14.11	117	209922	52.061	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	474376	54.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34295	56.220	ug/l	91

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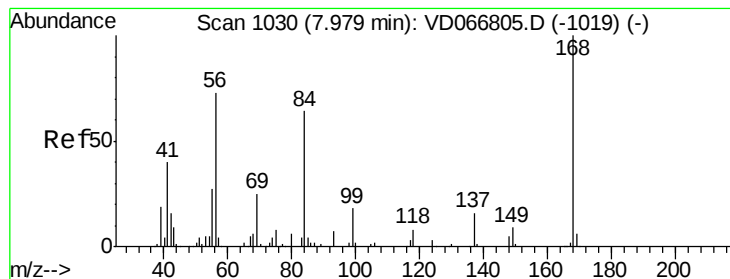
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	323718	59.193	ug/l	98
94) Hexachlorobutadiene	15.28	225	179467	54.763	ug/l	99
95) Naphthalene	15.41	128	606510	65.323	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	282900	59.934	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 415337

Ion Ratio Lower Upper

168 100

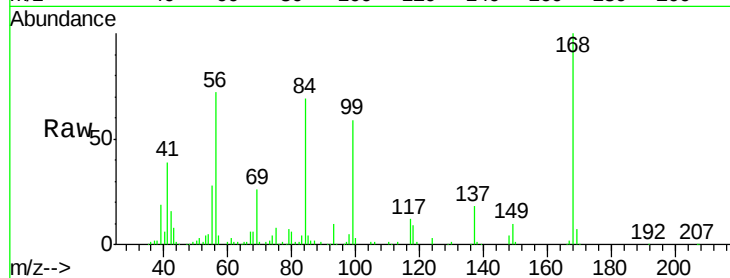
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Manual Integrations

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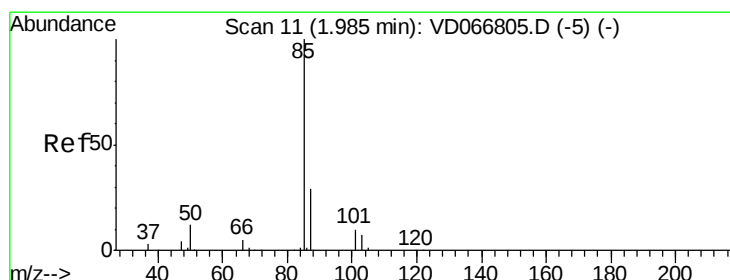
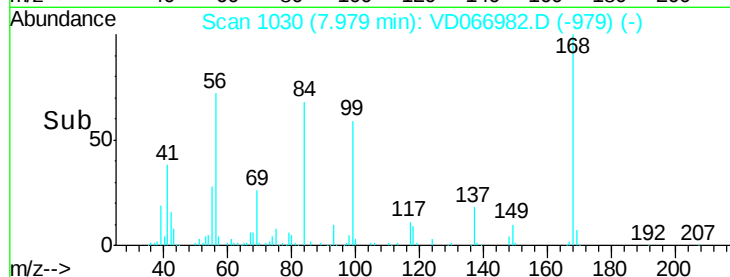
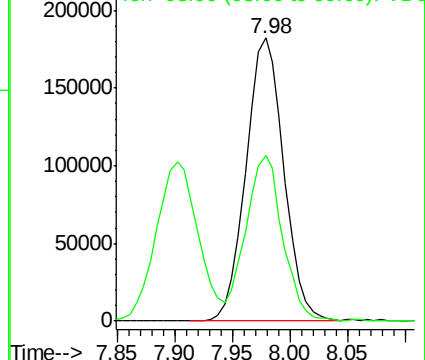
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.417 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066982.D

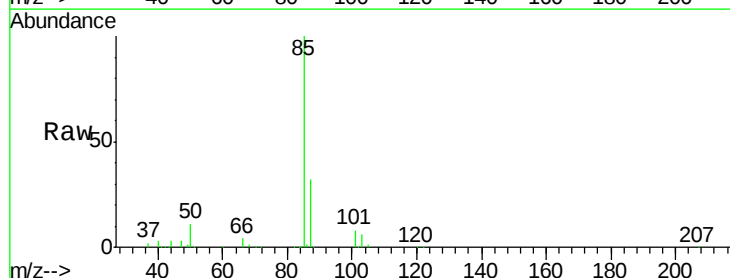
Acq: 30 Sep 2020 19:05

Tgt Ion: 85 Resp: 130518

Ion Ratio Lower Upper

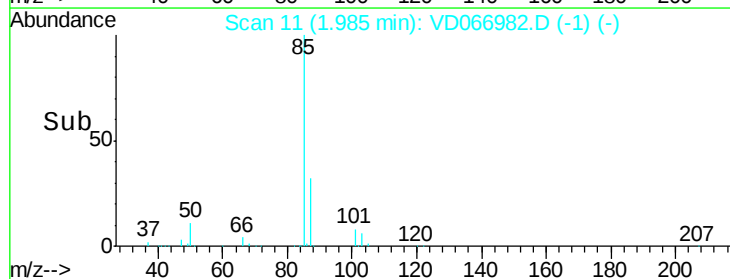
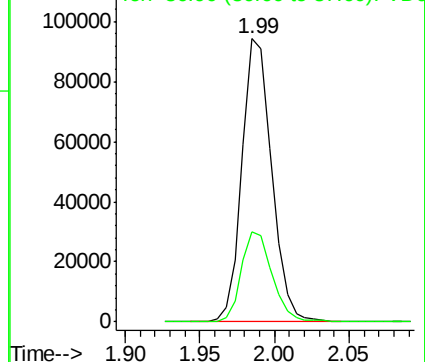
85 100

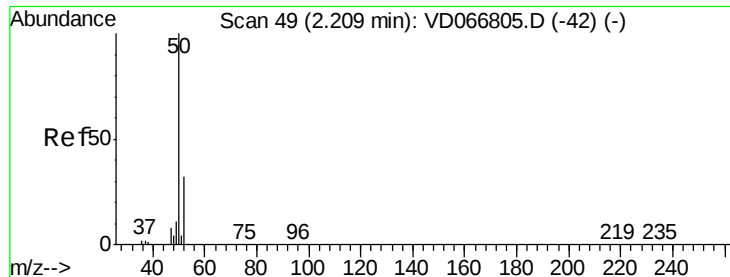
87 32.0 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.069 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 156724

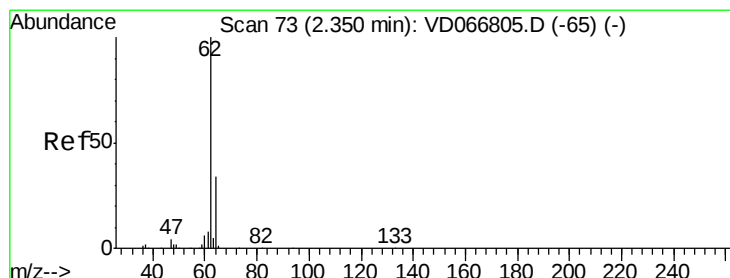
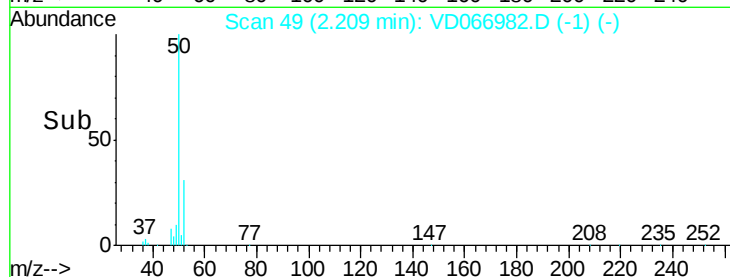
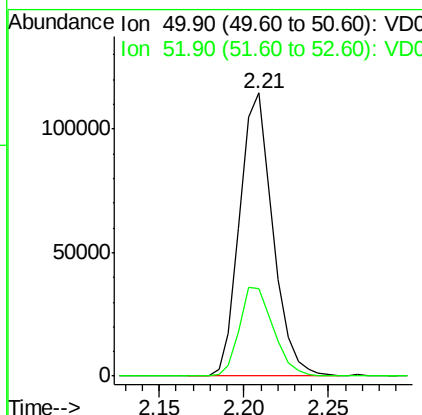
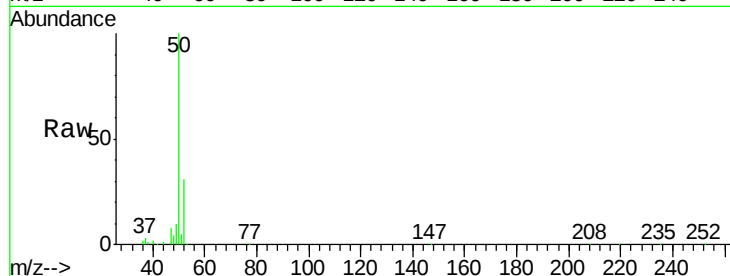
Ion Ratio Lower Upper

50 100

52 31.1 25.5 38.3

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#4

Vinyl Chloride

Concen: 41.623 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066982.D

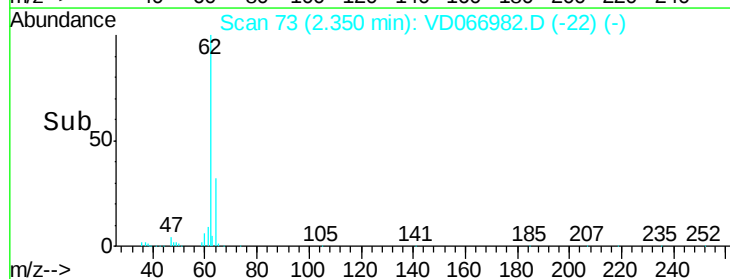
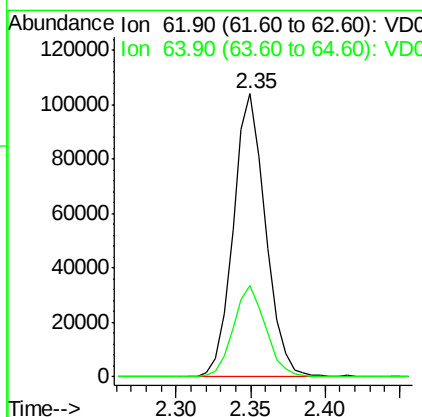
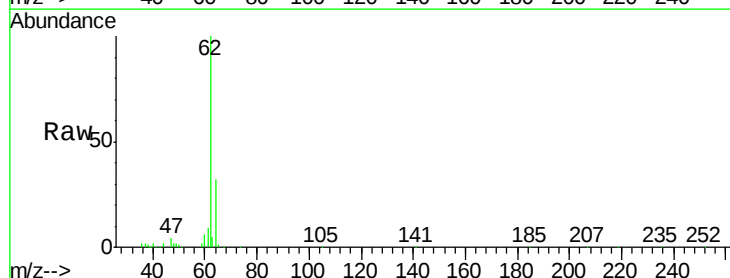
Acq: 30 Sep 2020 19:05

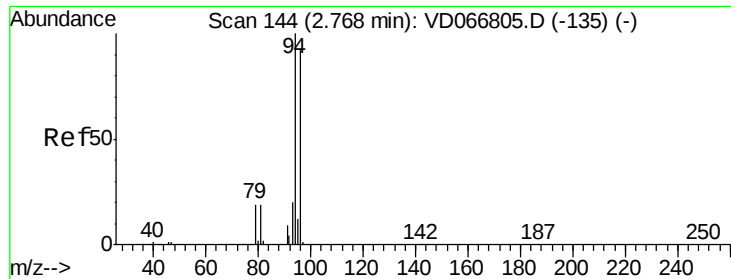
Tgt Ion: 62 Resp: 156919

Ion Ratio Lower Upper

62 100

64 32.5 27.0 40.4





#5

Bromomethane

Concen: 44.933 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 119066

Ion Ratio Lower Upper

94 100

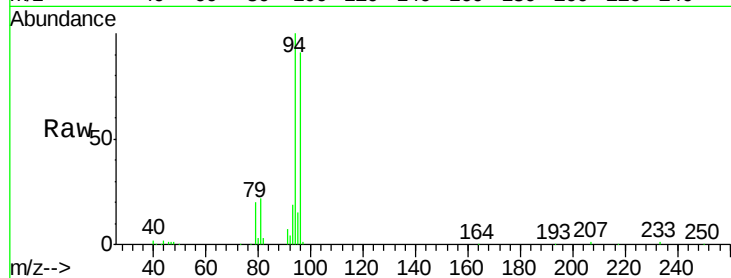
96 90.9 74.3 111.5

Manual Integrations

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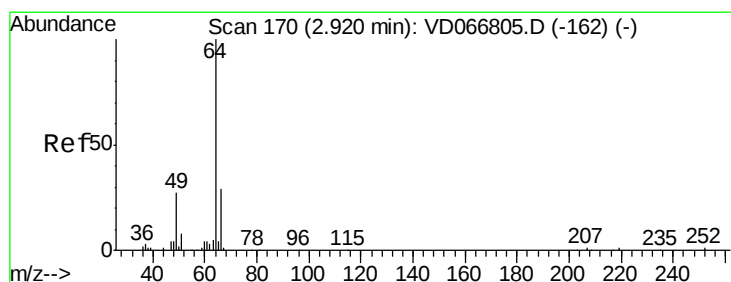
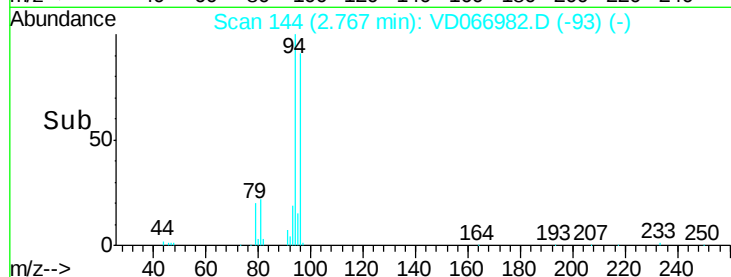
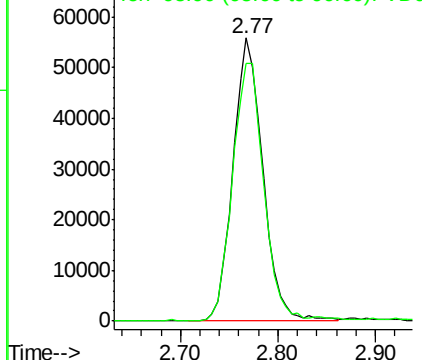
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.174 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066982.D

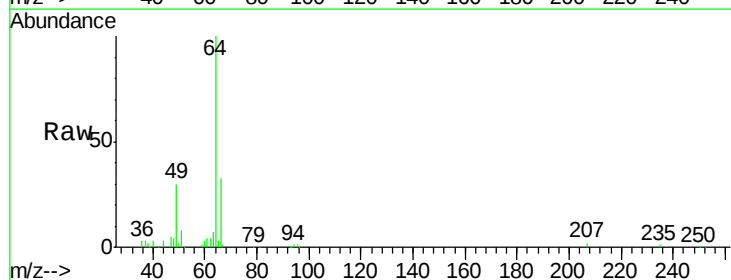
Acq: 30 Sep 2020 19:05

Tgt Ion: 64 Resp: 101079

Ion Ratio Lower Upper

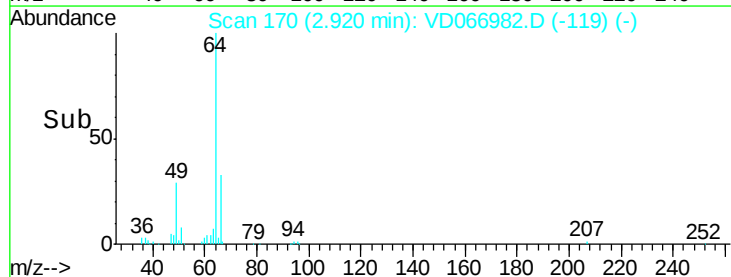
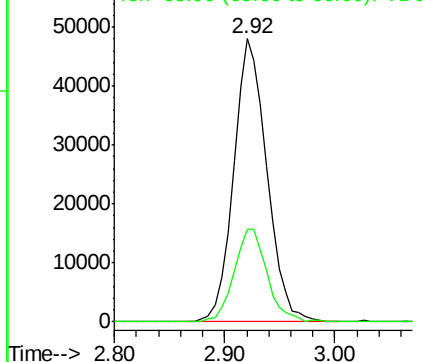
64 100

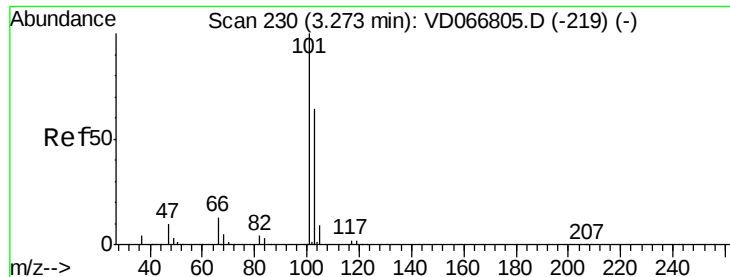
66 32.7 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

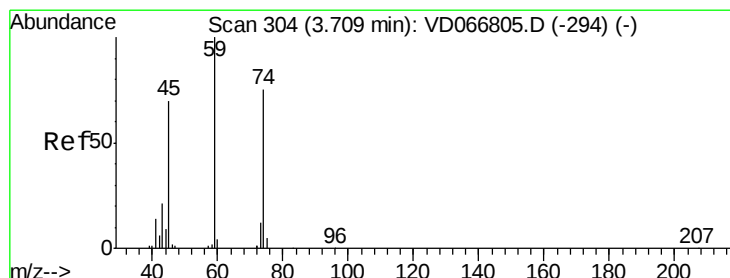
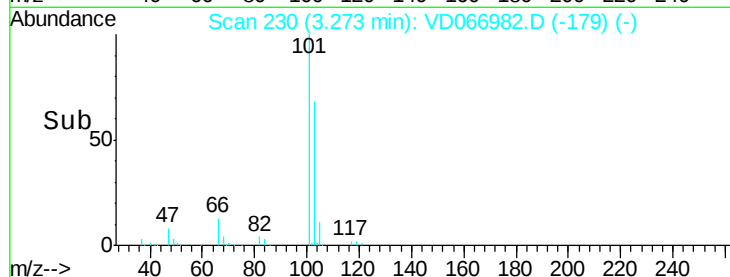
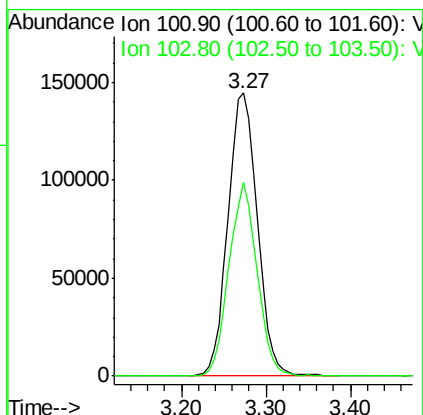
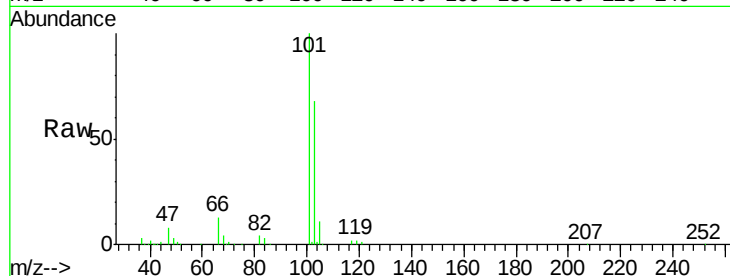
Trichlorofluoromethane
 Concen: 44.948 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.3	51.0	76.6

Manual Integrations
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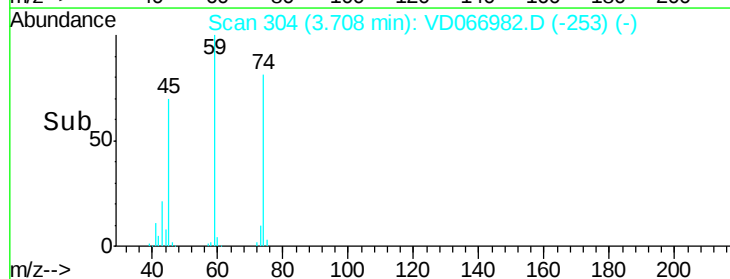
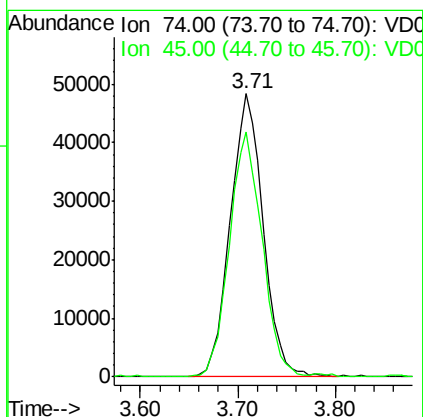
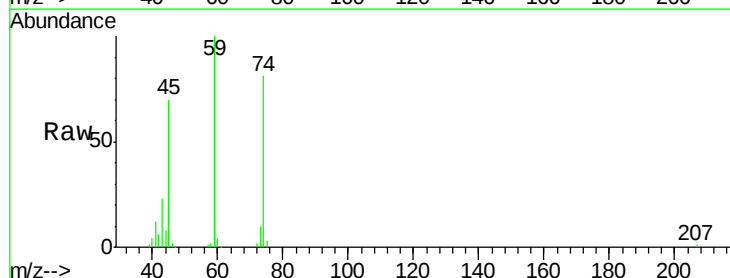
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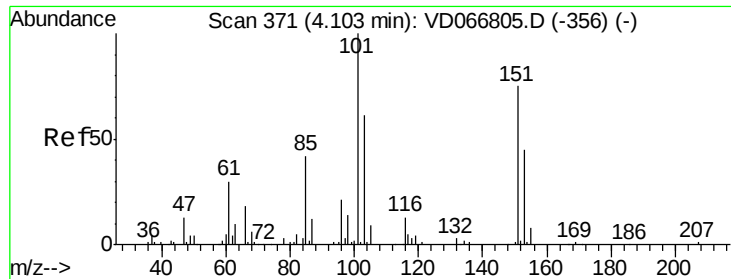


#8

Diethyl Ether
 Concen: 57.593 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.1	46.0	138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.746 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066982.D

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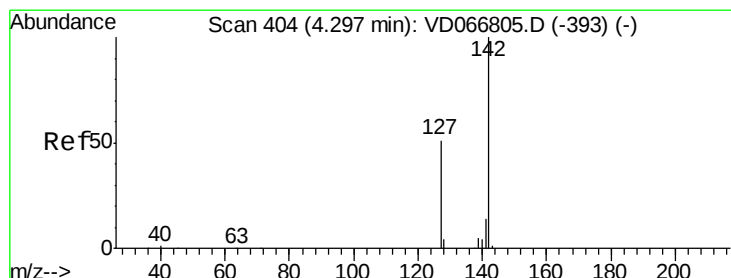
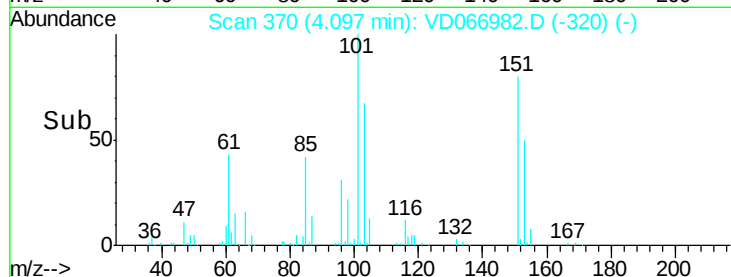
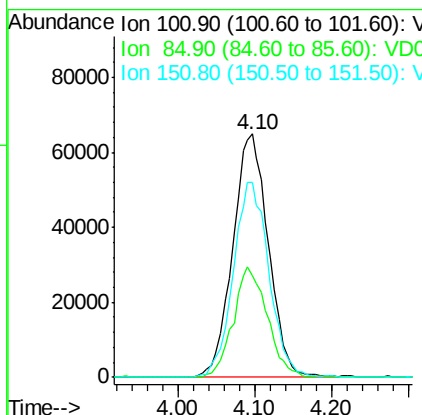
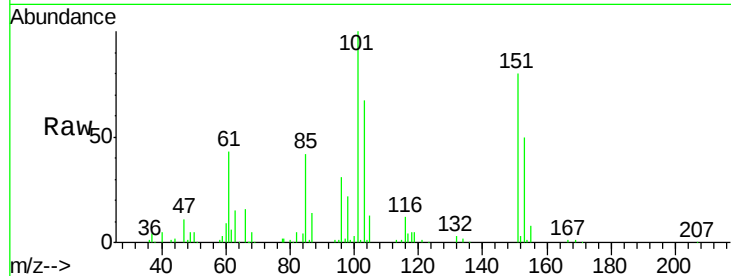
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	209875
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.4	53.2
151	80.1	61.4	92.0

Manual Integrations
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MMDadoda
10/1/2020 2:41:59 PM



#10

Methyl Iodide

Concen: 48.282 ug/l

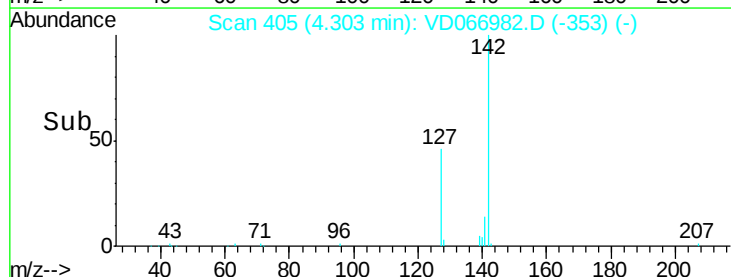
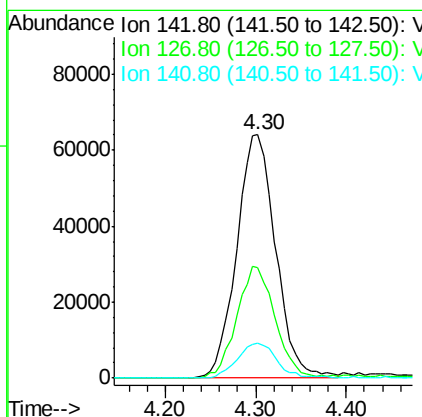
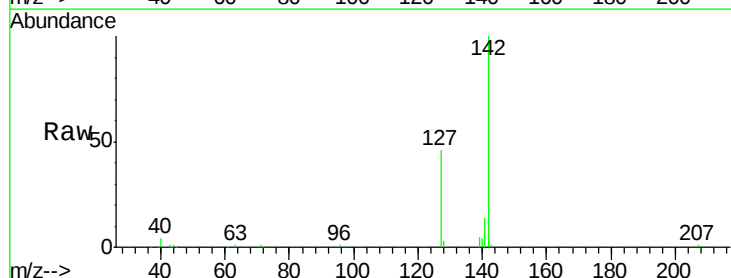
RT: 4.30 min Scan# 405

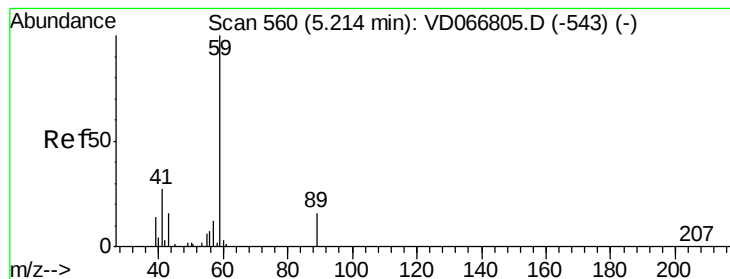
Delta R.T. 0.01 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Tgt Ion:	142	Resp:	191284
Ion Ratio	Lower	Upper	
142	100		
127	45.0	39.4	59.0
141	14.7	12.1	18.1





#11

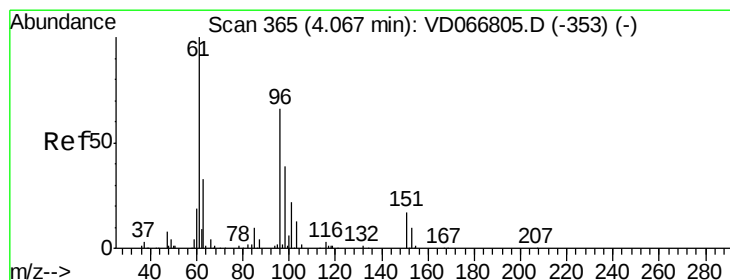
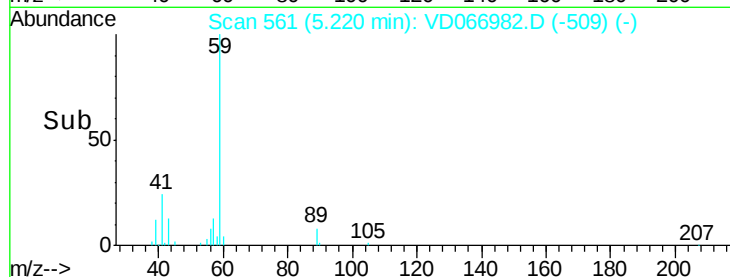
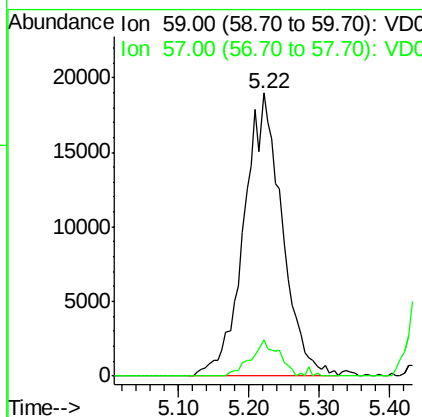
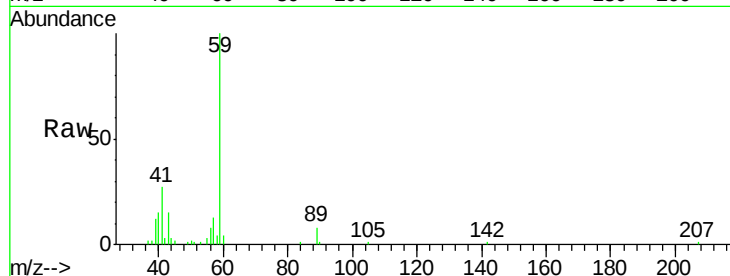
Tert butyl alcohol
Concen: 300.679 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	71461		
57	57	9.3		8.3	12.5

Manual Integrations
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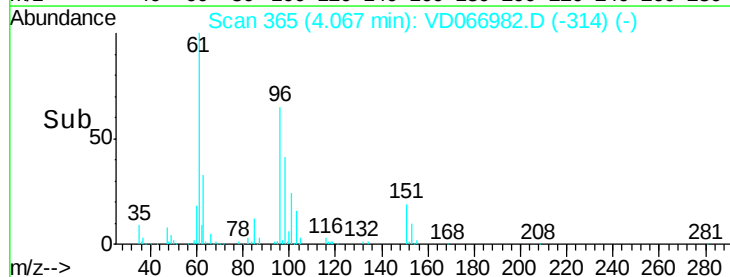
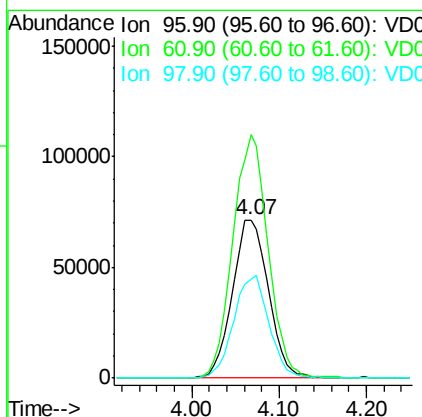
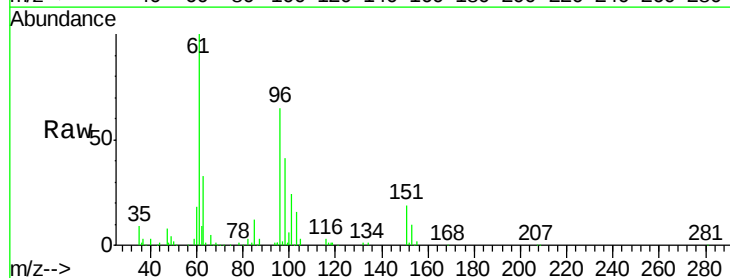
MMDadoda
10/1/2020 2:41:59 PM

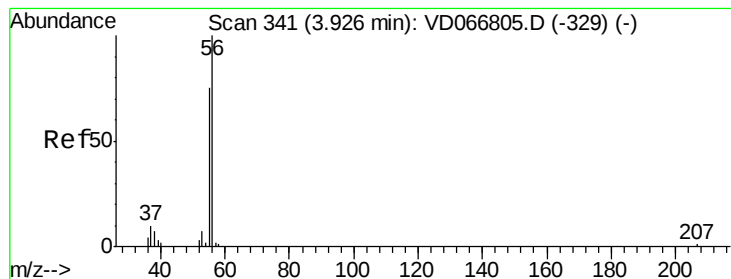


#12

1,1-Dichloroethene
Concen: 49.184 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	200036		
61	61	153.6		120.8	181.2
98	98	62.6		47.7	71.5





#13

Acrolein

Concen: 245.541 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 73634

Ion Ratio Lower Upper

56 100

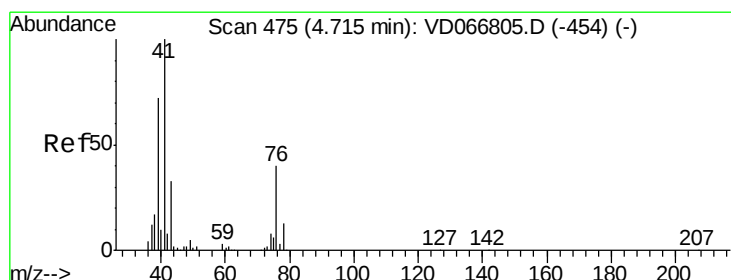
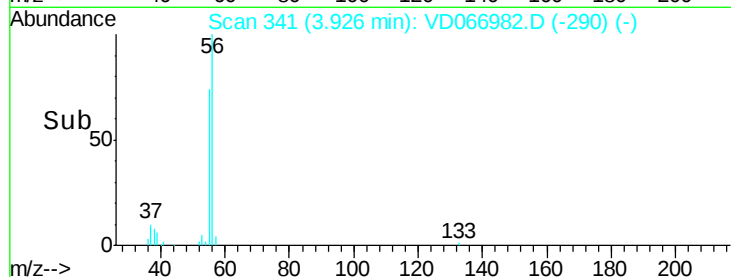
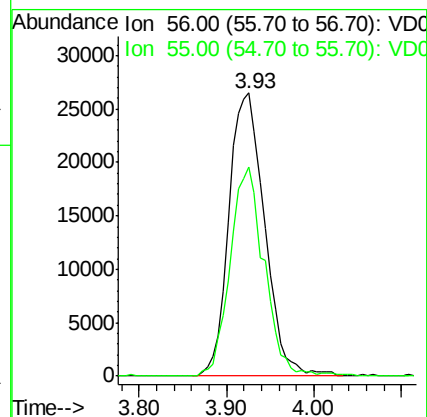
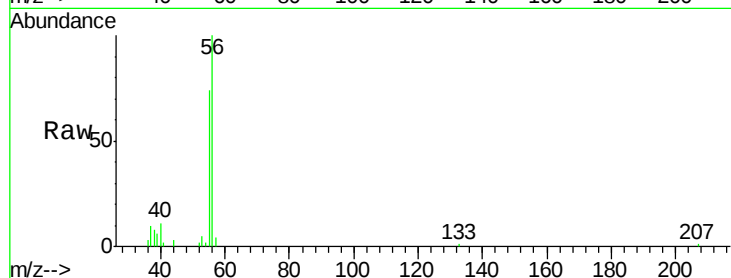
55 70.1 60.3 90.5

Manual Integrations

APPROVED

MMDadoda

10/1/2020 2:41:59 PM



#14

Allyl chloride

Concen: 51.475 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

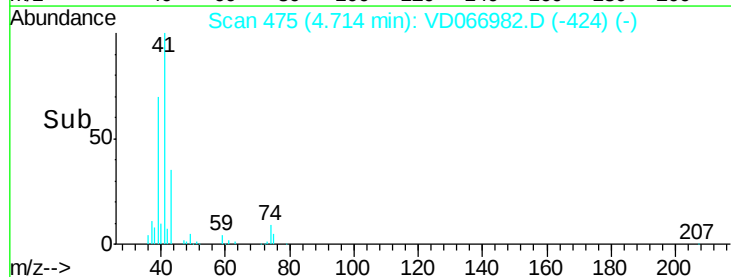
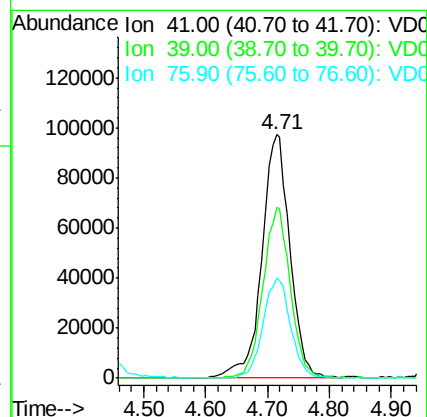
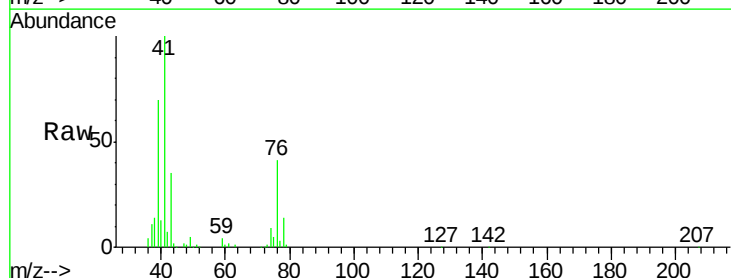
Tgt Ion: 41 Resp: 307414

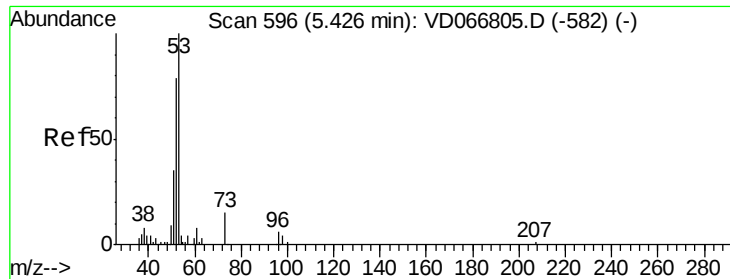
Ion Ratio Lower Upper

41 100

39 68.2 57.8 86.8

76 40.2 30.9 46.3





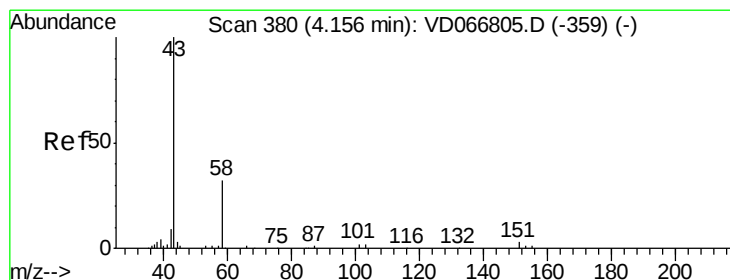
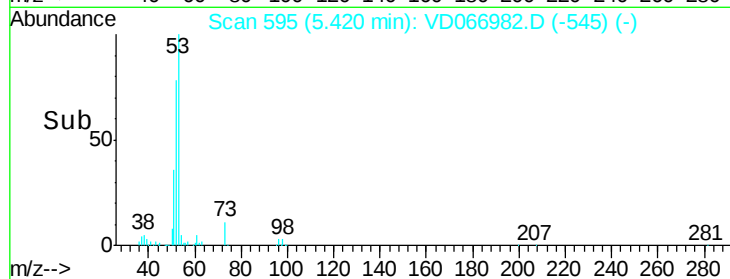
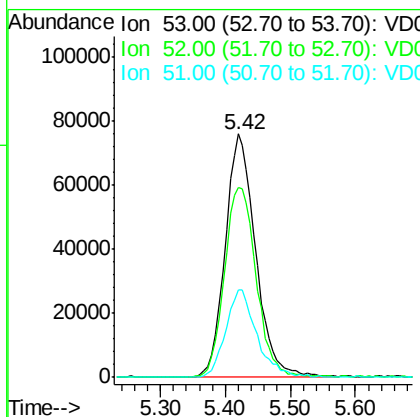
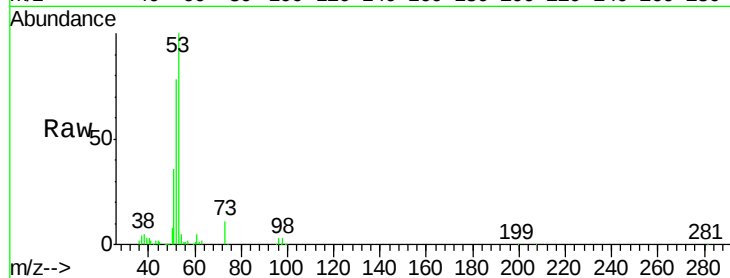
#15
 Acrylonitrile
 Concen: 282.455 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	246045
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.2	97.8
51	36.9	30.6	46.0

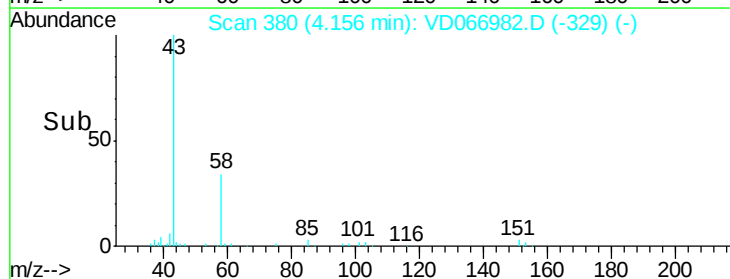
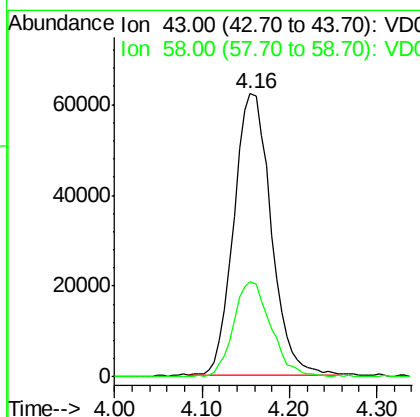
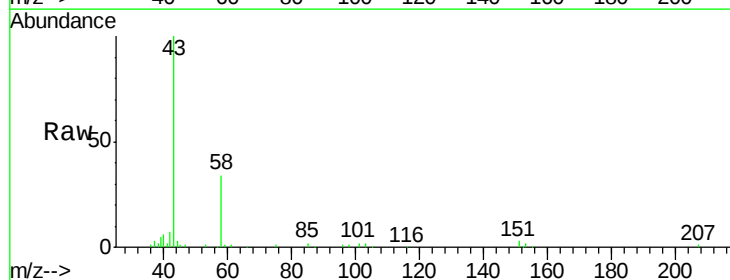
Manual Integrations
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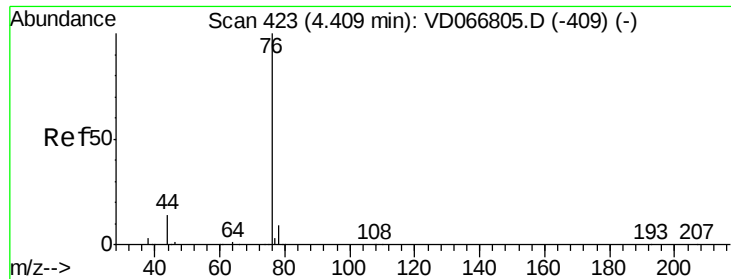
MMDadoda
 10/1/2020 2:41:59 PM



#16
 Acetone
 Concen: 208.342 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion:	43	Resp:	179665
Ion Ratio	Lower	Upper	
43	100		
58	33.8	25.6	38.4





#17

Carbon Disulfide

Concen: 45.460 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 565255

Ion Ratio Lower Upper

76 100

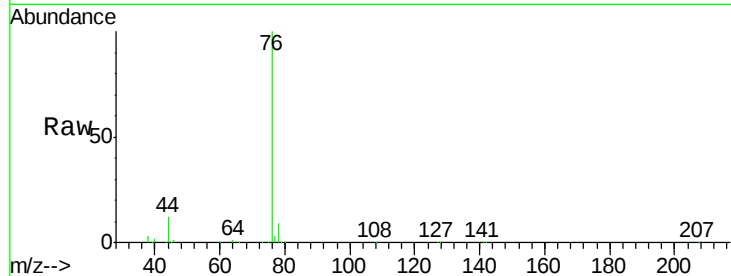
78 8.6 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

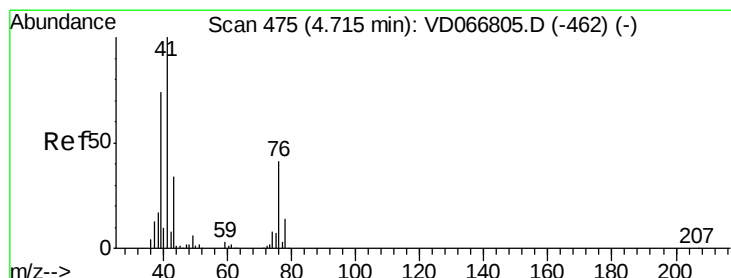
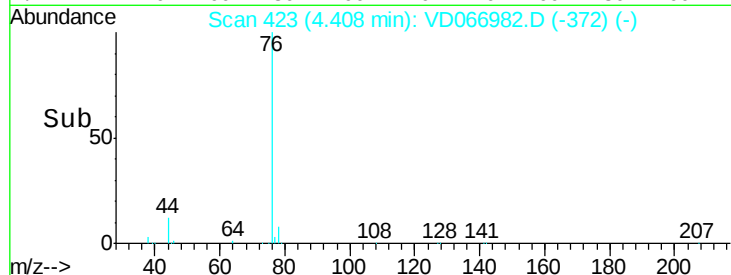
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 58.825 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066982.D

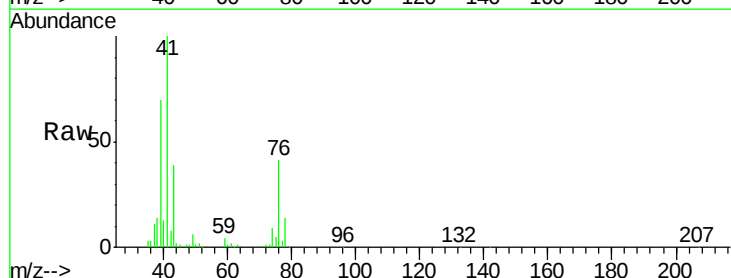
Acq: 30 Sep 2020 19:05

Tgt Ion: 43 Resp: 111954

Ion Ratio Lower Upper

43 100

74 26.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

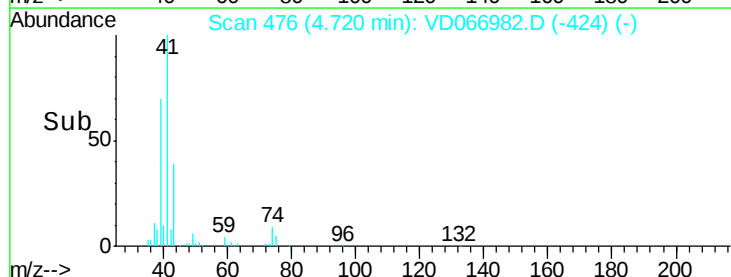
30000

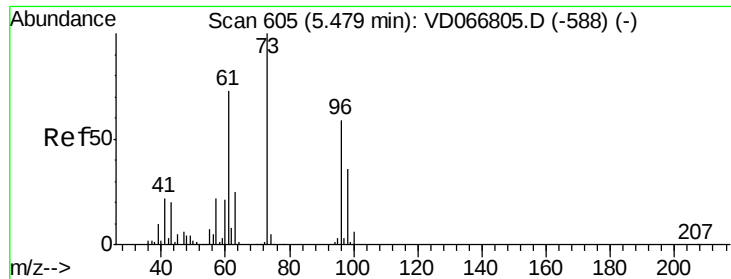
20000

10000

0

Time-->





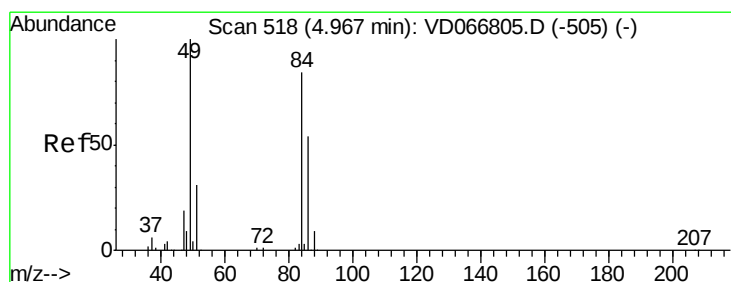
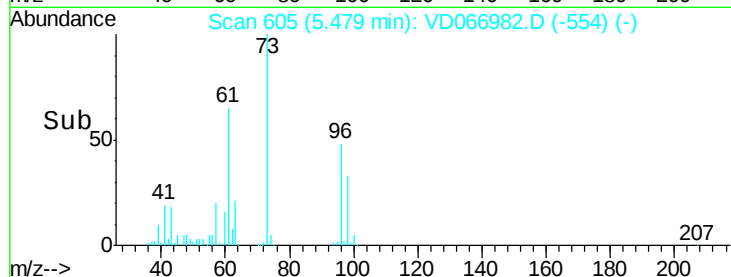
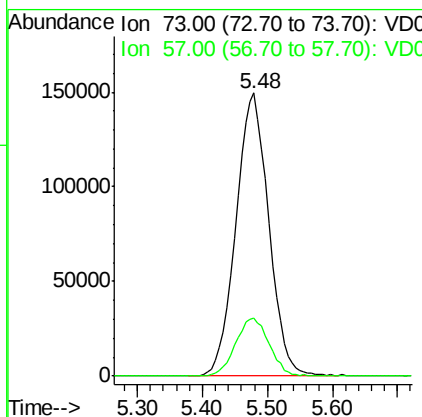
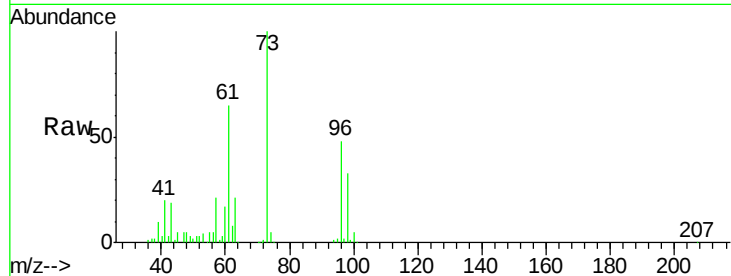
#19
Methvl tert-butvl Ether
Concen: 59.113 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 522108
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.2

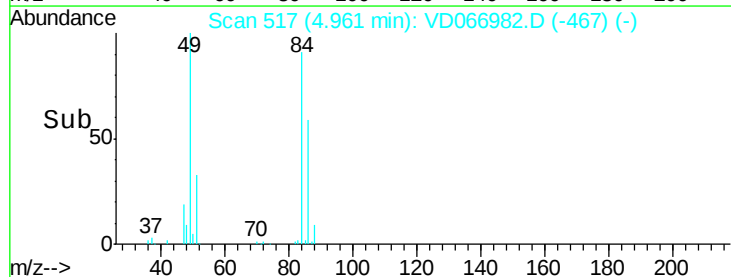
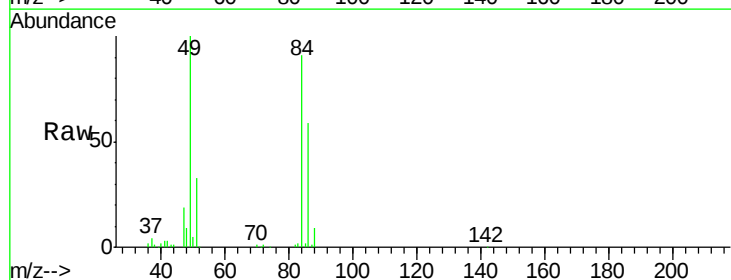
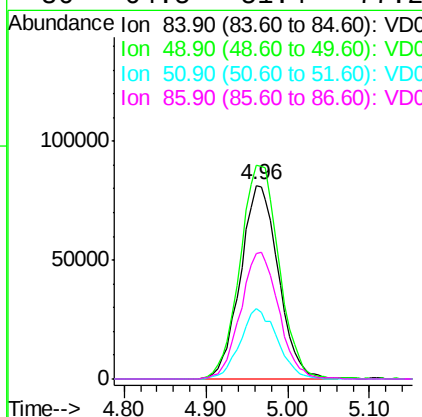
Manual Integrations
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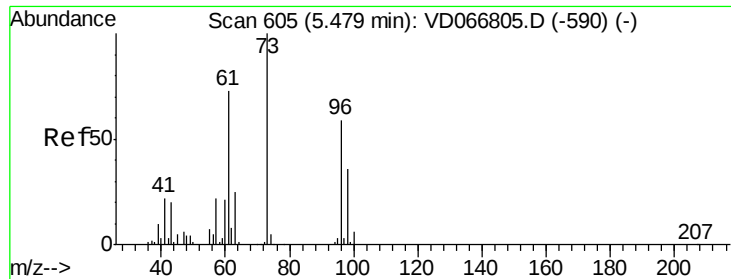
MMDadoda
10/1/2020 2:41:59 PM



#20
Methylene Chloride
Concen: 57.455 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion: 84 Resp: 263362
Ion Ratio Lower Upper
84 100
49 110.2 95.4 143.2
51 36.4 29.7 44.5
86 64.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 52.414 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

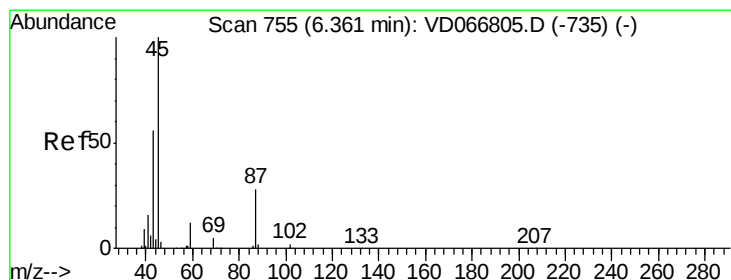
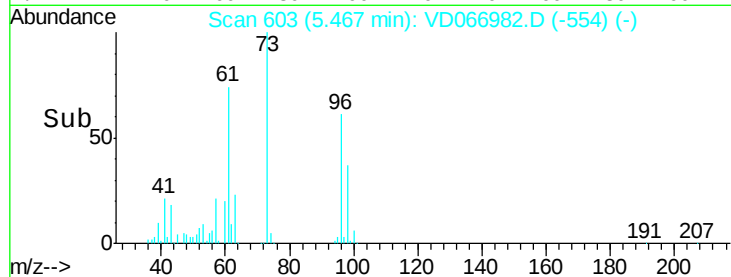
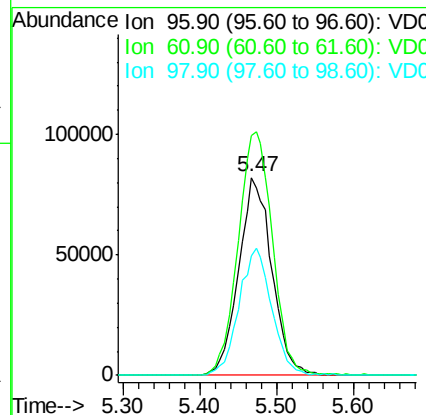
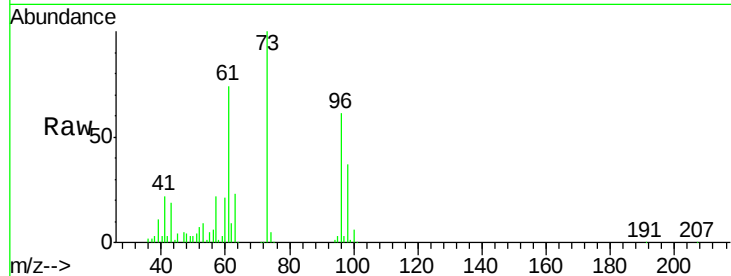
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	246830
Ion	Ratio	Lower	Upper
96	100		
61	121.6	98.9	148.3
98	60.1	48.4	72.6

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:41:59 PM



#22

Diisopropyl ether

Concen: 54.825 ug/l

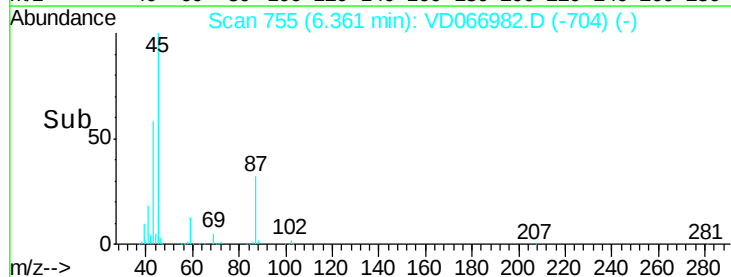
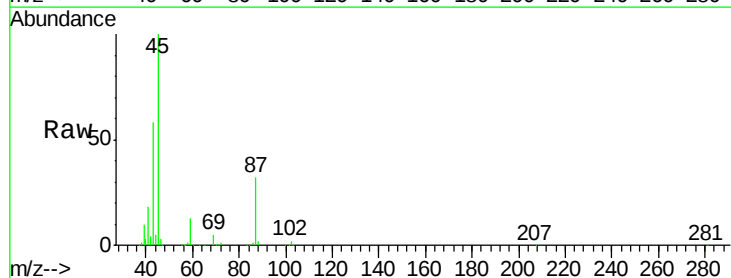
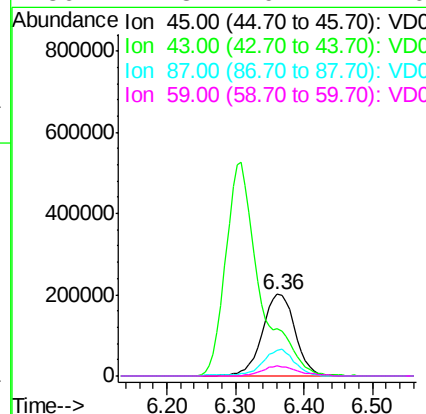
RT: 6.36 min Scan# 755

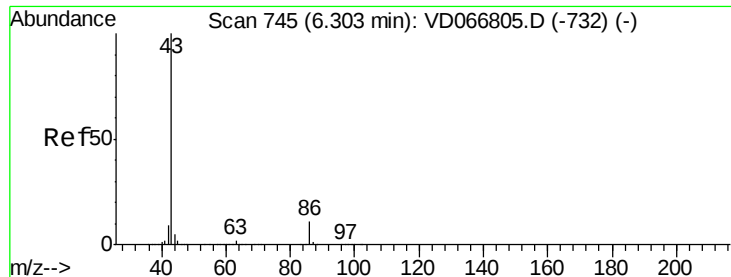
Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Tgt Ion:	45	Resp:	673209
Ion	Ratio	Lower	Upper
45	100		
43	57.7	44.5	66.7
87	31.7	22.9	34.3
59	12.8	9.4	14.0





#23

Vinyl Acetate

Concen: 271.069 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Tot Ion: 43 Resp: 1808678

Ion Ratio Lower Upper

43 100

86 12.0 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

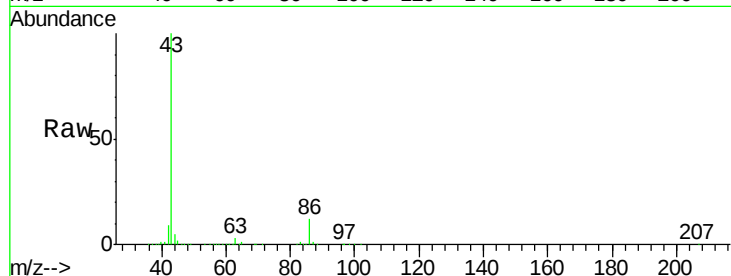
VSTDCCC050EC

Manual Integrations

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MMDadoda

10/1/2020 2:41:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

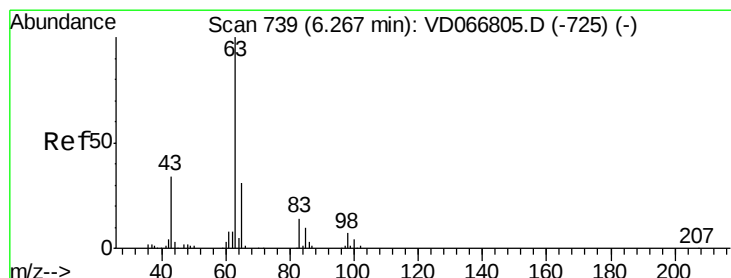
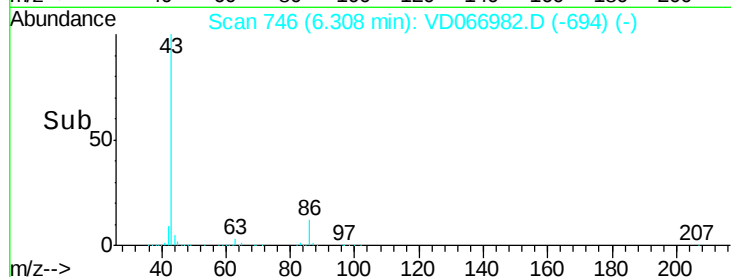
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 51.362 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

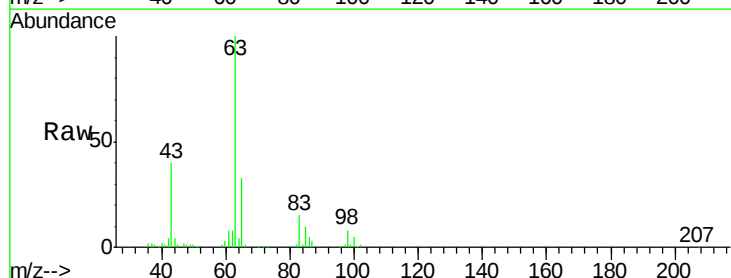
Tgt Ion: 63 Resp: 421919

Ion Ratio Lower Upper

63 100

98 8.2 3.7 11.1

100 5.2 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

6.27

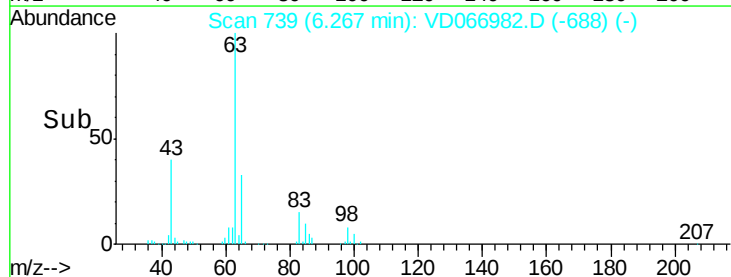
150000

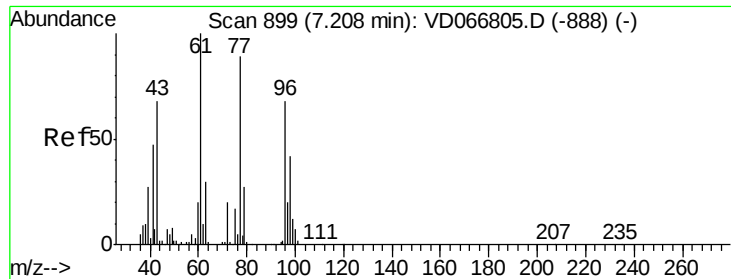
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





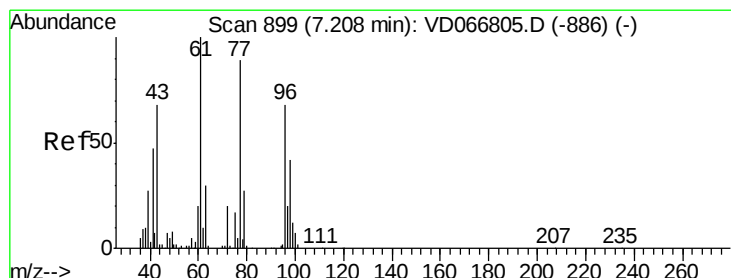
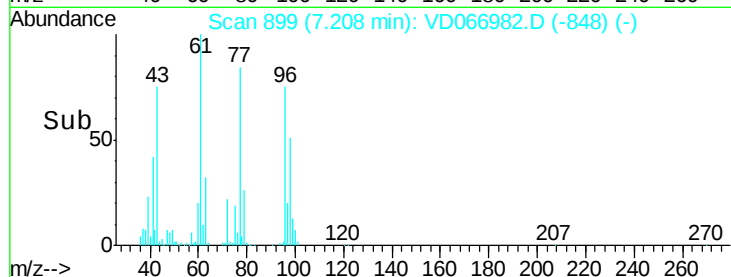
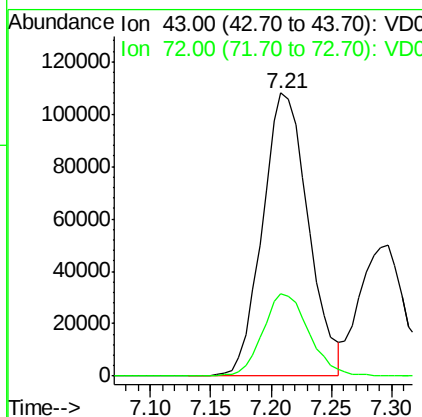
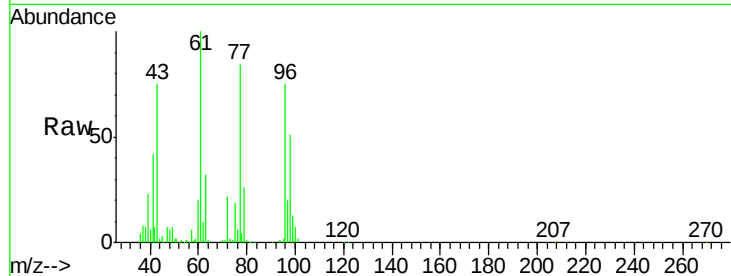
#25
2-Butanone
Concen: 274.037 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	283991
Ion Ratio	100	Lower	Upper
72	29.2	22.9	34.3

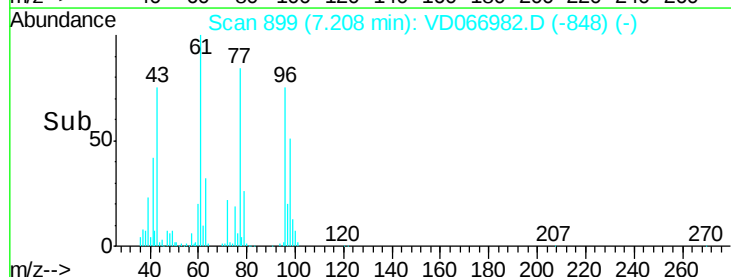
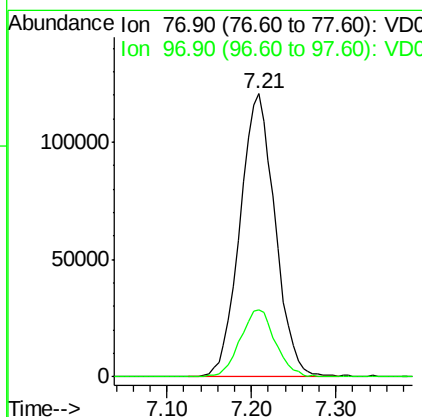
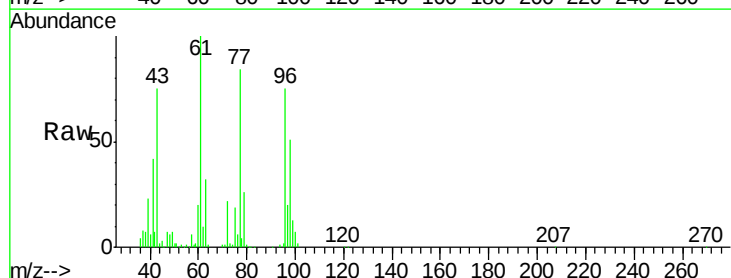
Manual Integrations
APPROVED

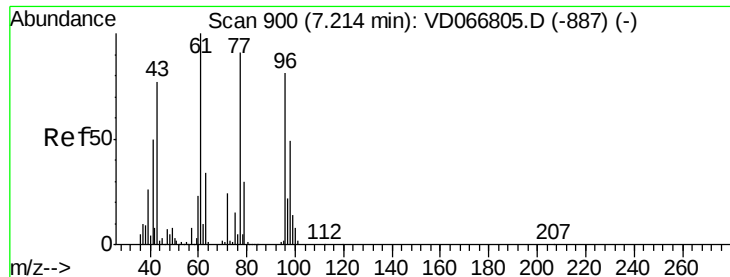
MMDadoda
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#26
2,2-Dichloropropane
Concen: 46.149 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion	77	Resp	347464
Ion Ratio	100	Lower	Upper
97	24.0	11.7	35.1





#27

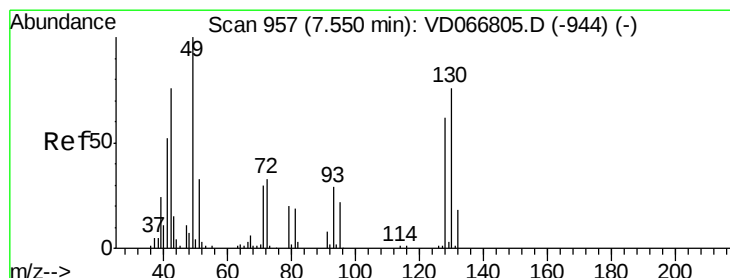
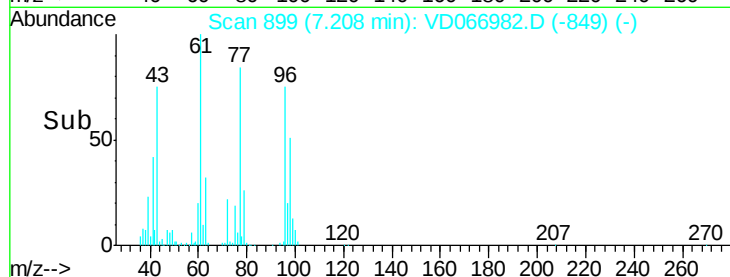
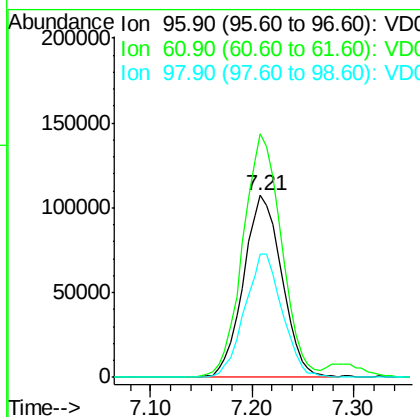
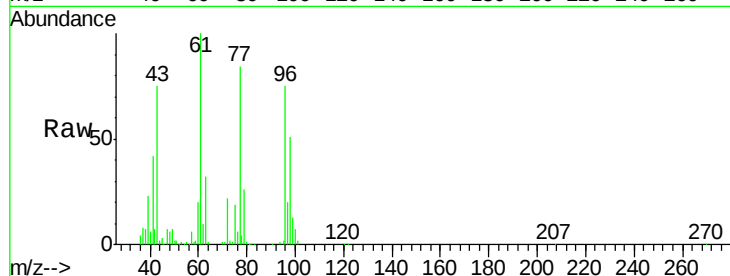
cis-1,2-Dichloroethene
 Concen: 55.317 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	283038		
61	134.3	0.0	283.8	
98	66.2	0.0	128.4	

Manual Integrations
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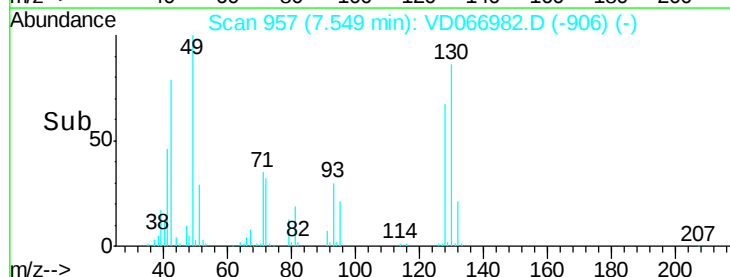
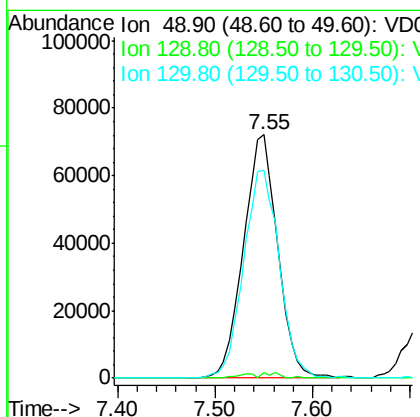
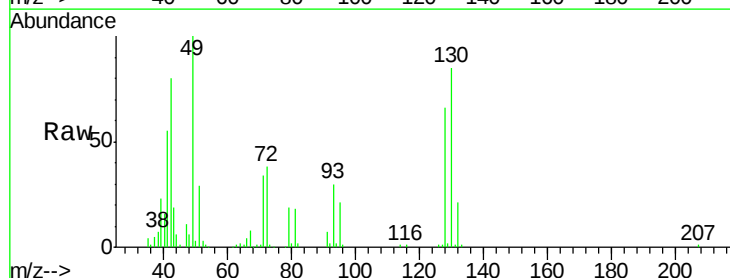
MMDadoda
 10/1/2020 2:41:59 PM

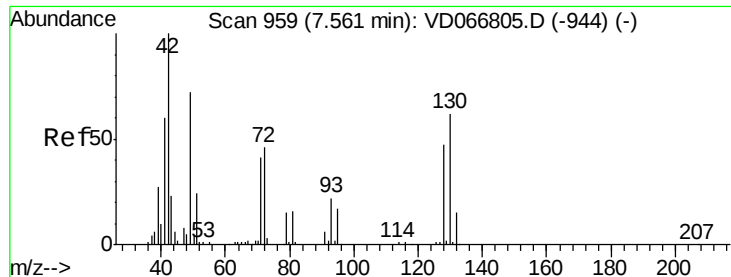


#28

Bromochloromethane
 Concen: 51.847 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	175951		
129	1.2	0.0	2.0	
130	89.6	65.9	98.9	





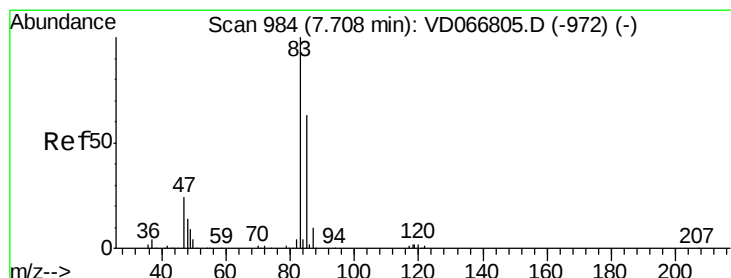
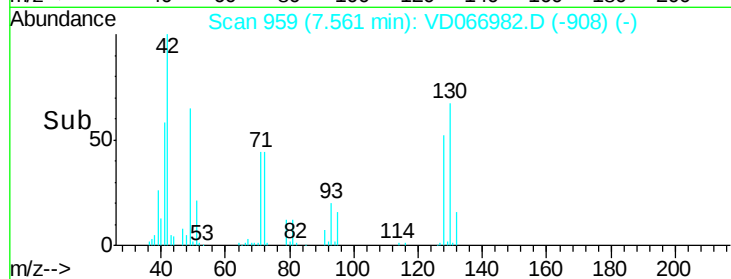
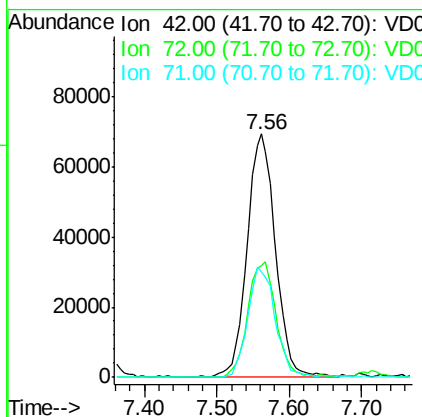
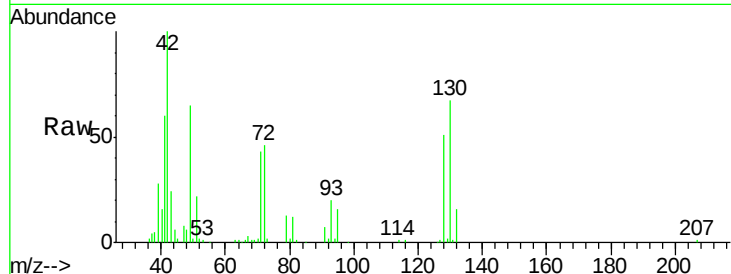
#29
Tetrahydrofuran
Concen: 283.714 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	36.2	54.4
71	43.6	32.4	48.6

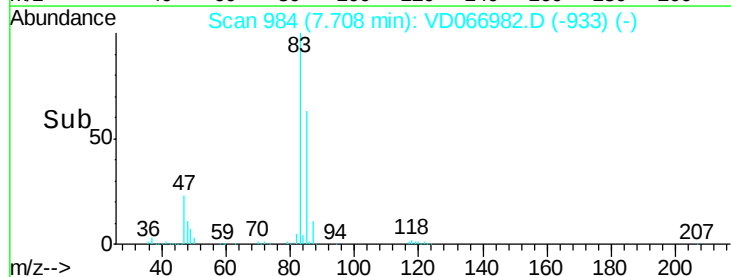
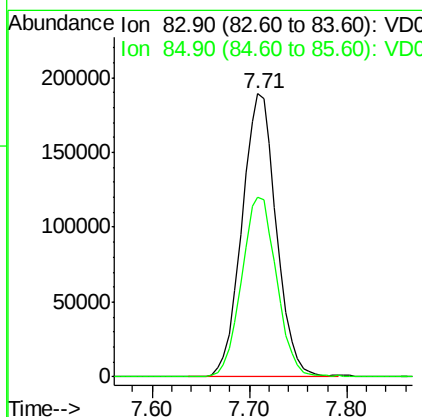
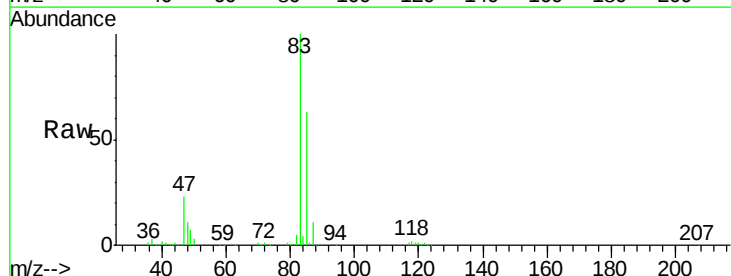
Manual Integrations
APPROVED

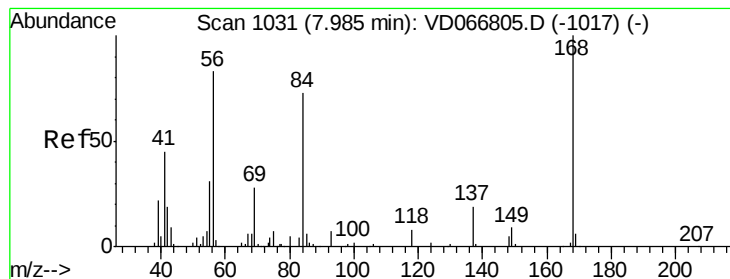
MMDadoda
10/1/2020 2:41:59 PM



#30
Chloroform
Concen: 52.631 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8





#31

Cyclohexane

Concen: 44.285 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

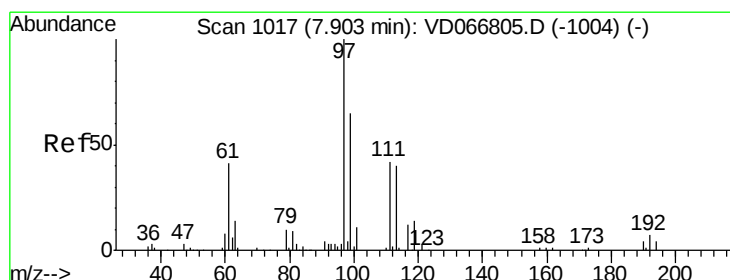
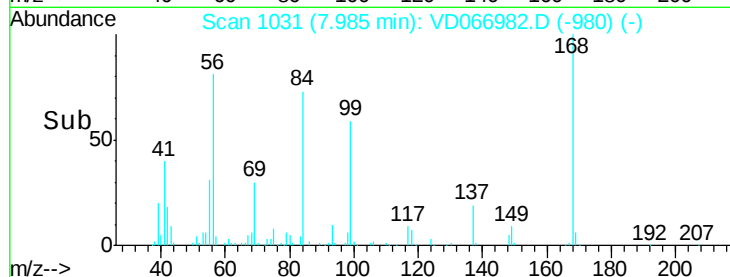
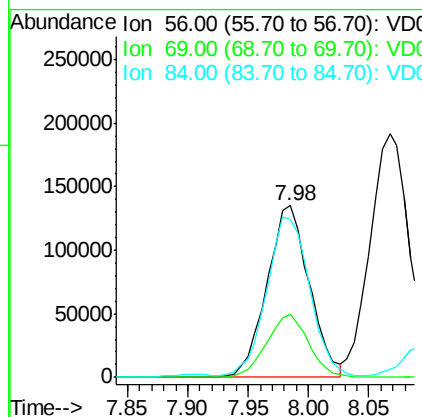
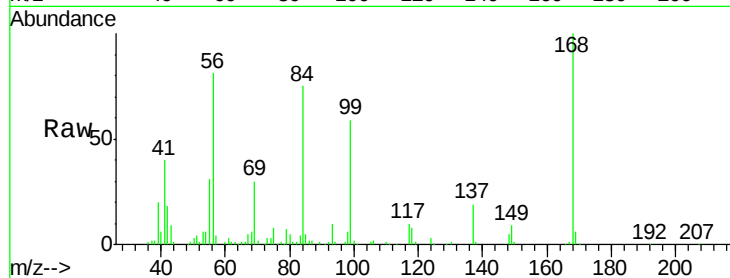
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	327335
Ion Ratio	Lower	Upper	
56	100		
69	36.9	27.0	40.4
84	90.3	70.2	105.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.907 ug/l

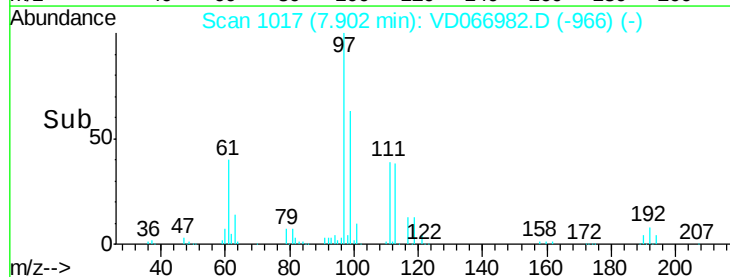
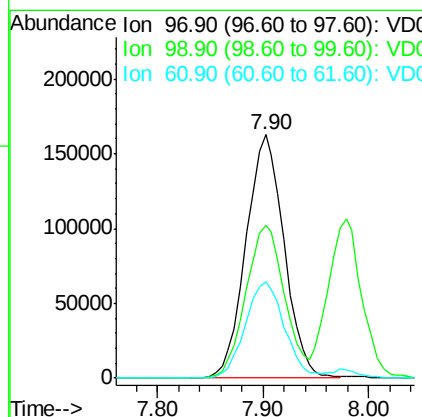
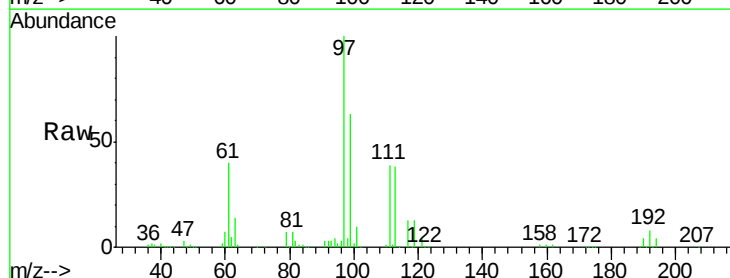
RT: 7.90 min Scan# 1017

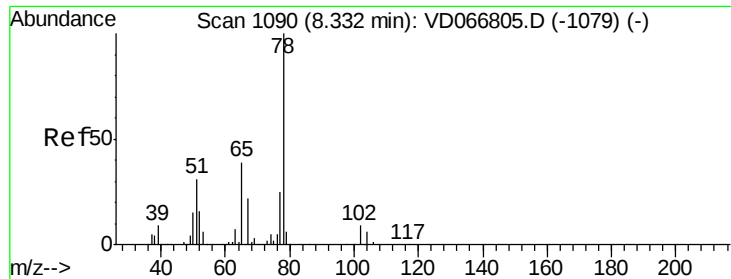
Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Tgt Ion:	97	Resp:	407779
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.5	77.3
61	40.6	34.2	51.4





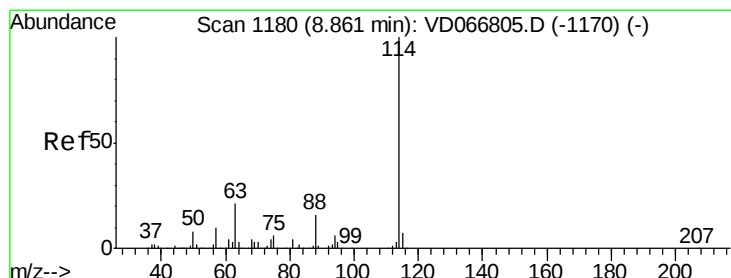
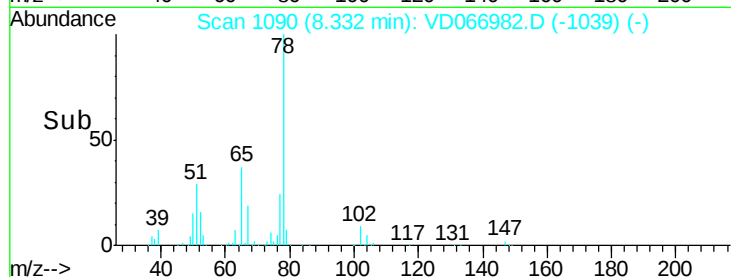
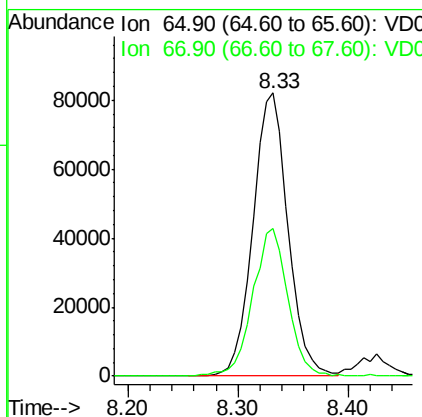
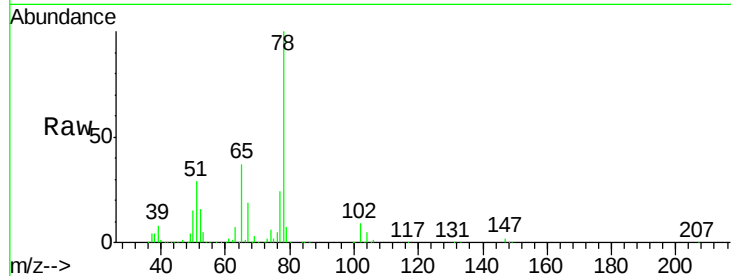
#33
 1,2-Dichloroethane-d4
 Concen: 44.858 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182354		
67	52.5	0.0	107.2	

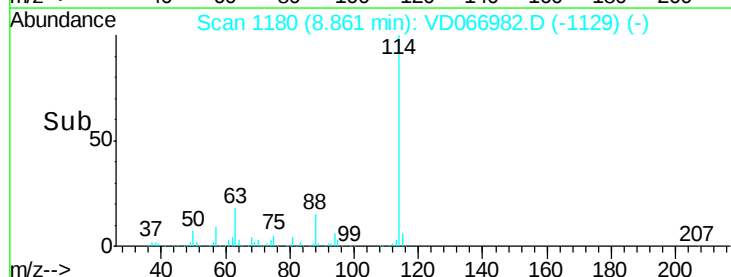
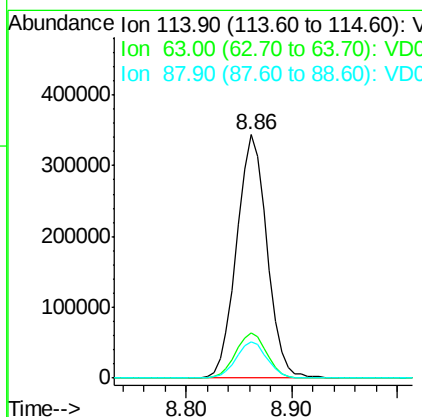
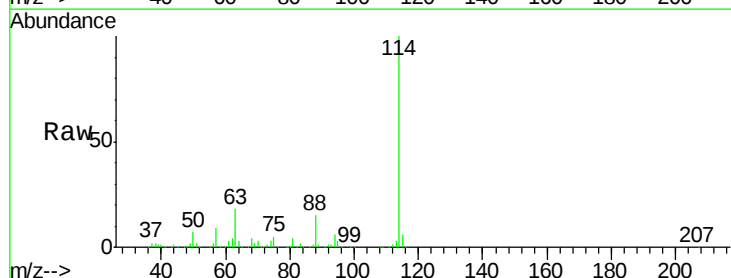
Manual Integrations
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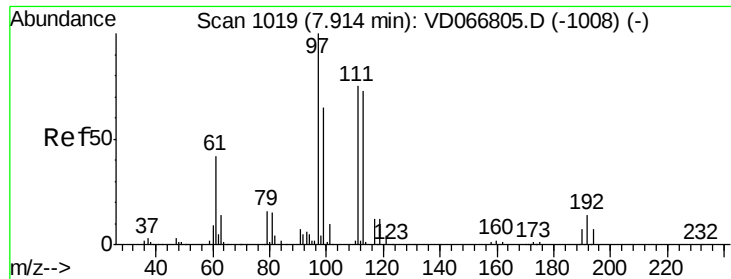
MMDadoda
 10/1/2020 2:41:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	685386		
63	18.5	0.0	42.6	
88	15.1	0.0	32.6	





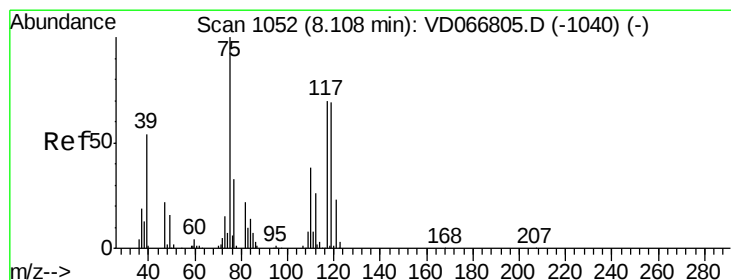
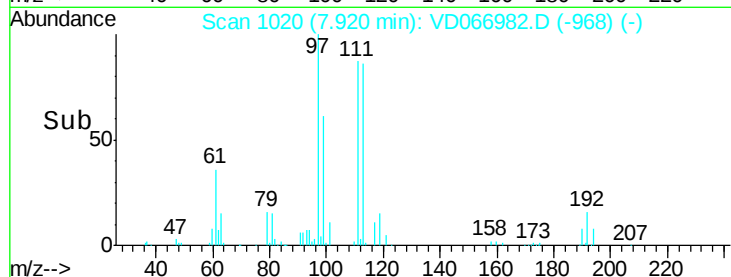
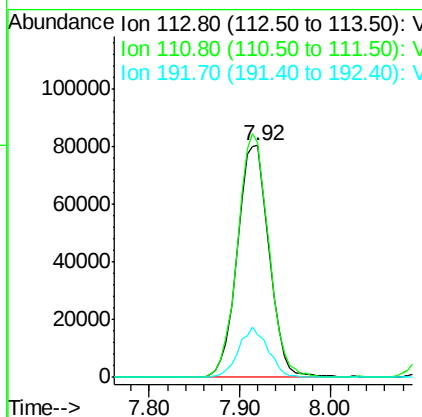
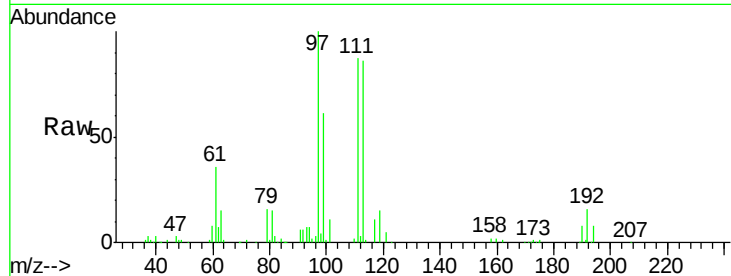
#35
 Dibromofluoromethane
 Concen: 45.024 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	196323		
111	102.8	81.8	122.8	
192	20.0	14.4	21.6	

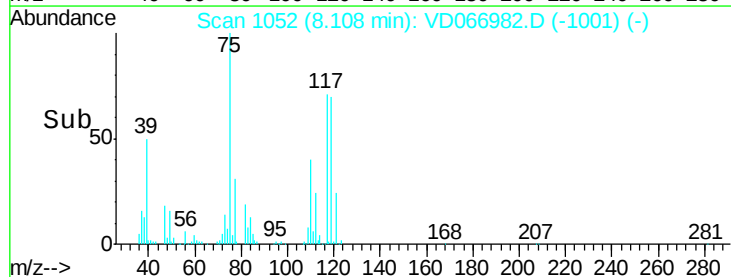
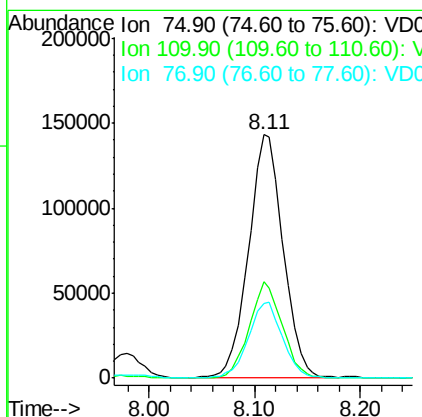
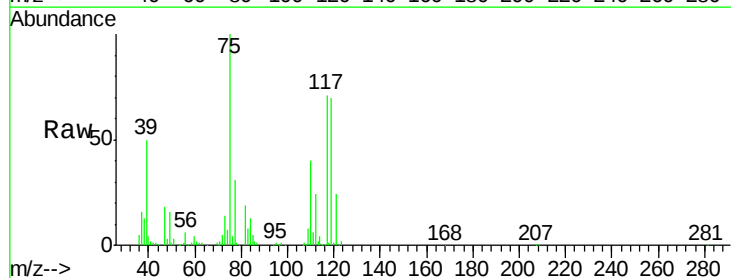
Manual Integrations
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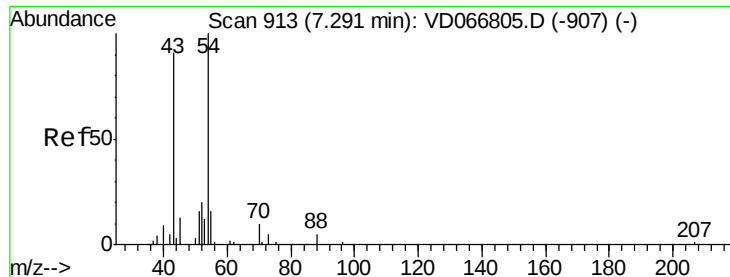
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#36
 1,1-Dichloropropene
 Concen: 47.895 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	325669		
110	37.8	17.9	53.8	
77	31.1	25.0	37.6	





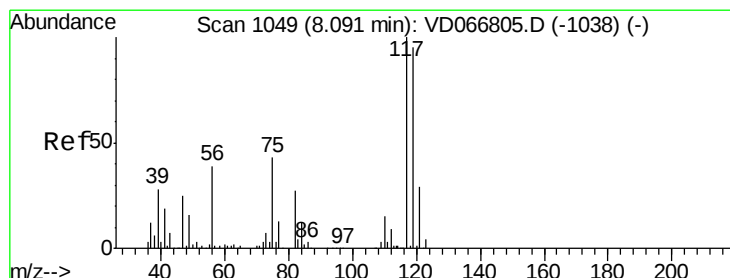
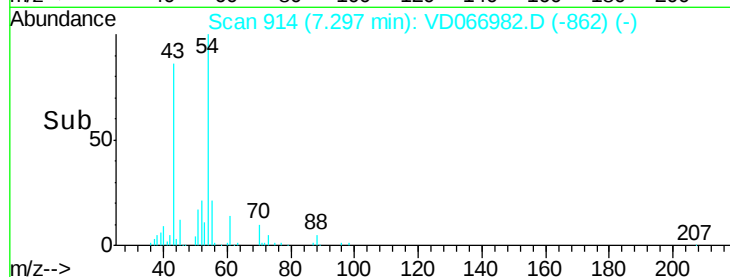
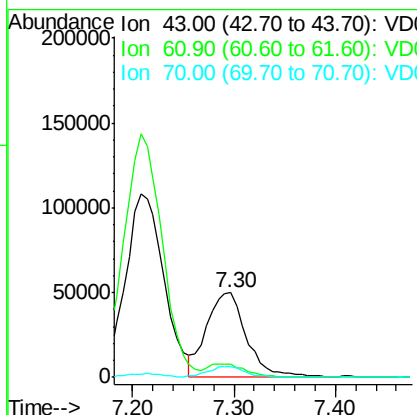
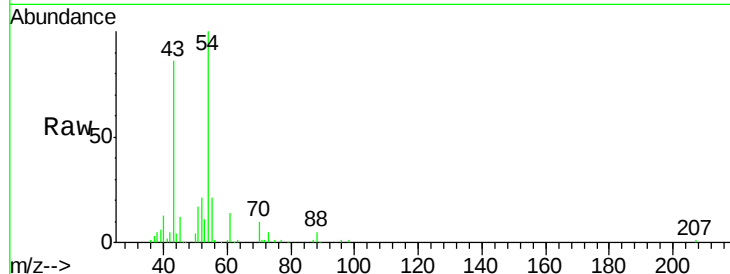
#37
Ethyl Acetate
Concen: 54.561 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.8	9.8	14.8#	
70	11.9	8.5	12.7	

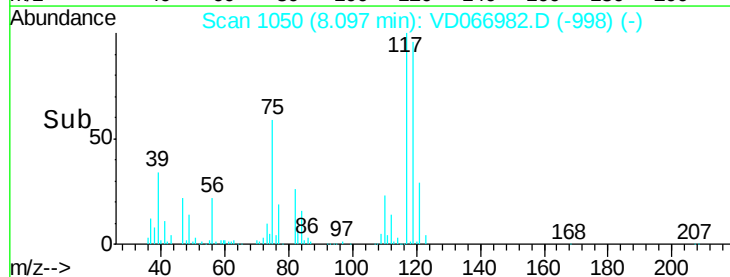
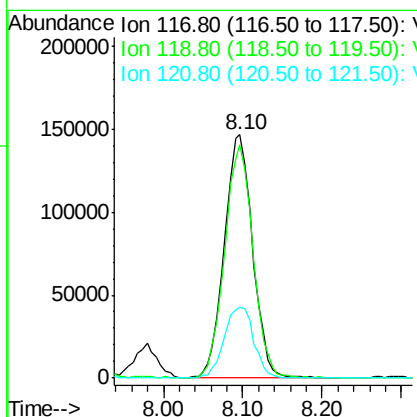
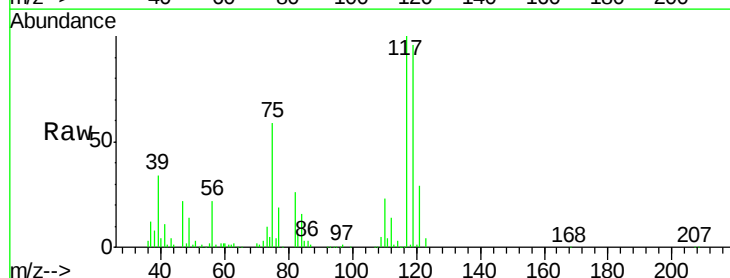
Manual Integrations
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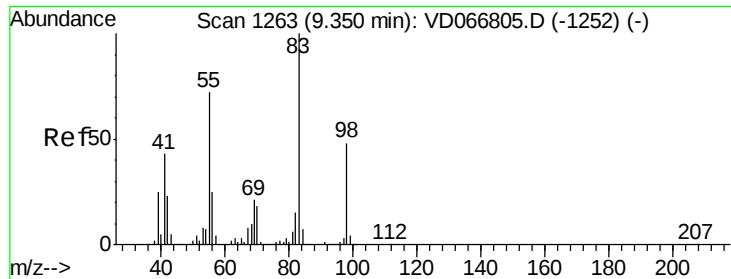
MMDadoda
10/1/2020 2:41:59 PM



#38
Carbon Tetrachloride
Concen: 48.539 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.0	75.8	113.8	
121	29.2	23.4	35.0	





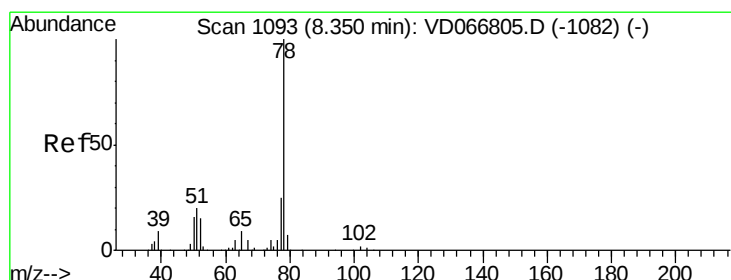
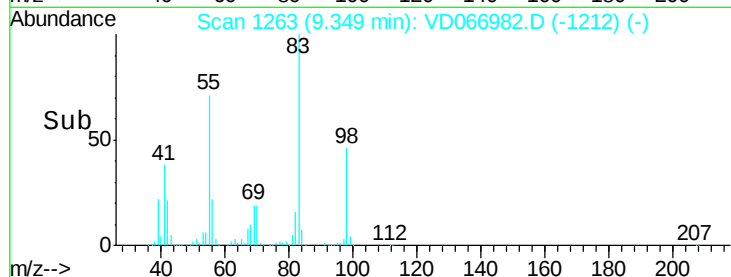
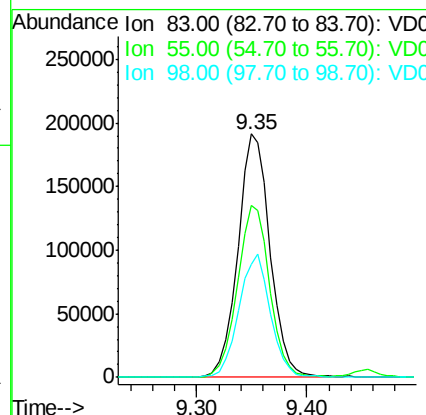
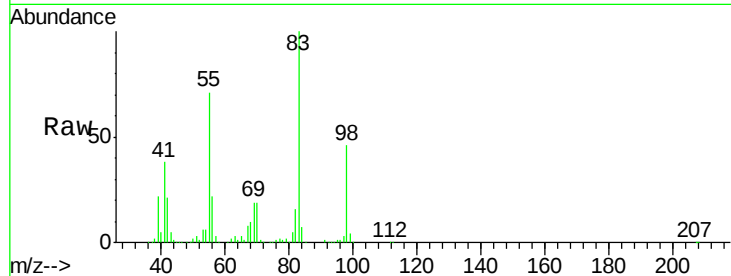
#39
Methvlcvclohexane
Concen: 50.062 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	390828
Ion Ratio	Lower	Upper	
83	100		
55	70.7	57.7	86.5
98	46.3	38.4	57.6

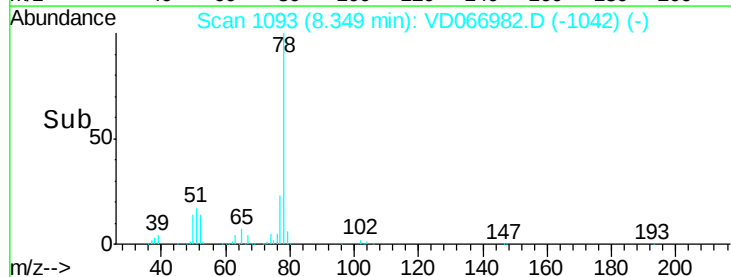
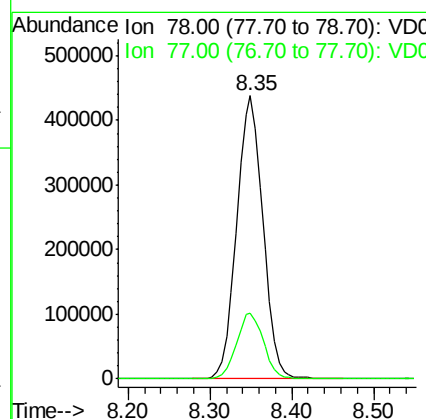
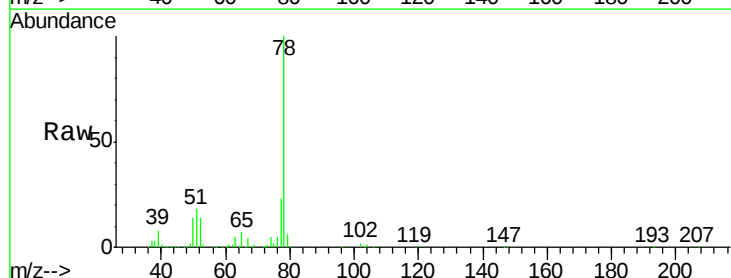
Manual Integrations
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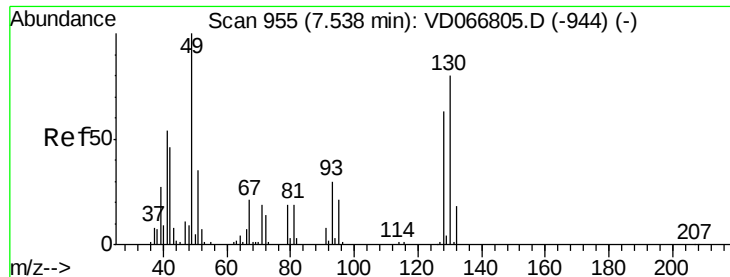
MMDadoda
10/1/2020 2:41:59 PM



#40
Benzene
Concen: 51.632 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion	78	Resp	978449
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.9	29.9





#41

Methacrylonitrile

Concen: 55.103 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 83297

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

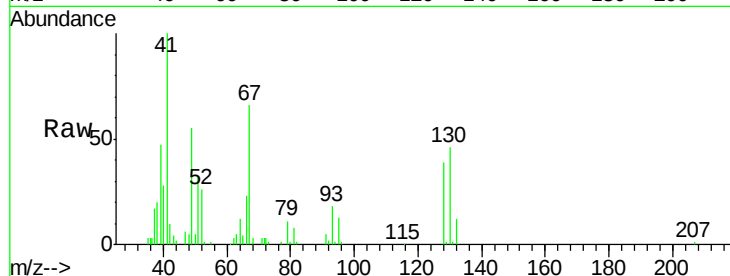
52 0.0 0.0 0.0

Manual Integrations

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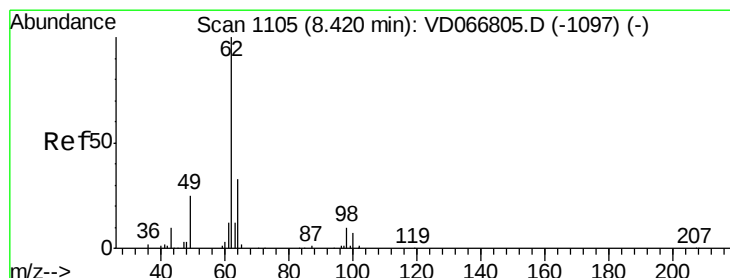
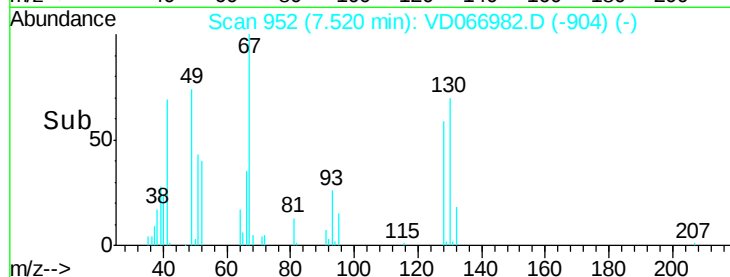
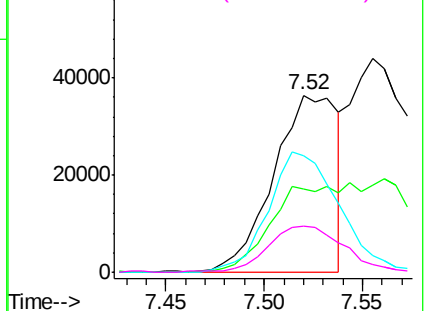


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 50.753 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VD066982.D

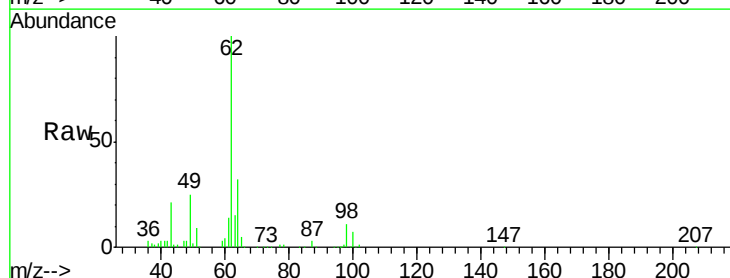
Acq: 30 Sep 2020 19:05

Tgt Ion: 62 Resp: 284326

Ion Ratio Lower Upper

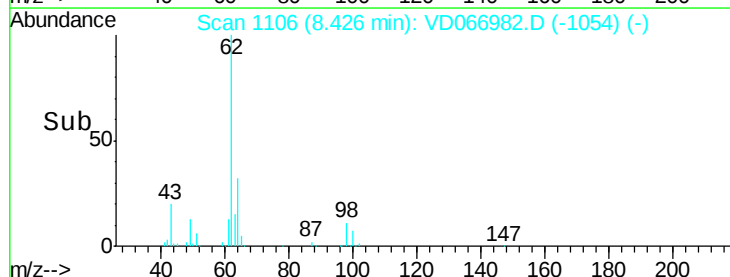
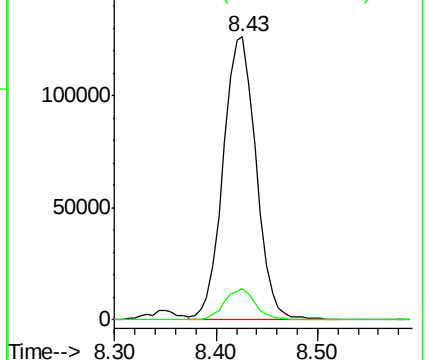
62 100

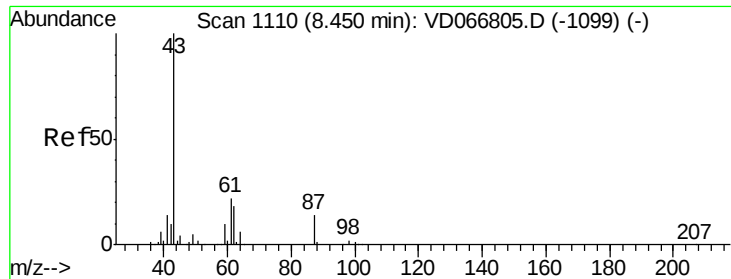
98 10.4 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





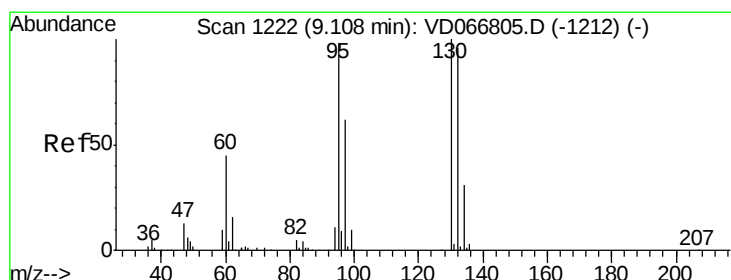
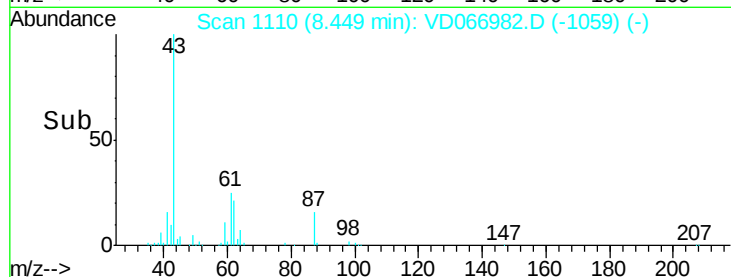
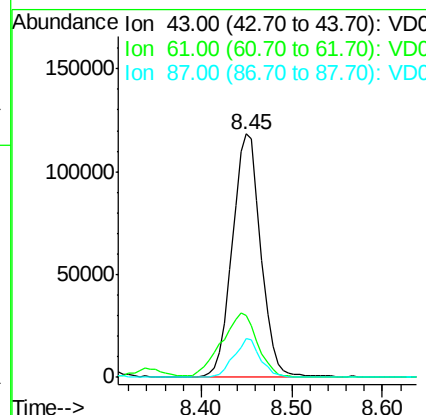
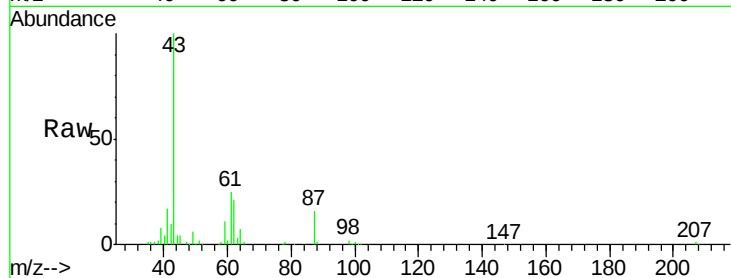
#43
Isopropyl Acetate
Concen: 54.540 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.9	26.2	39.4
87	14.8	11.5	17.3

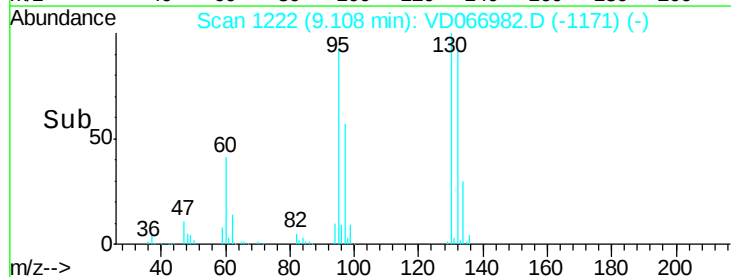
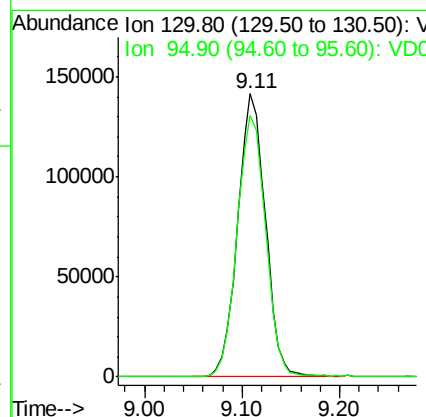
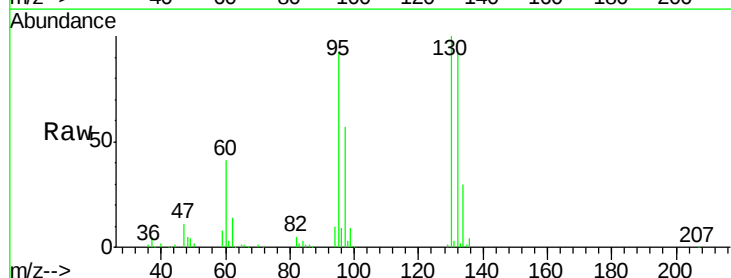
Manual Integrations
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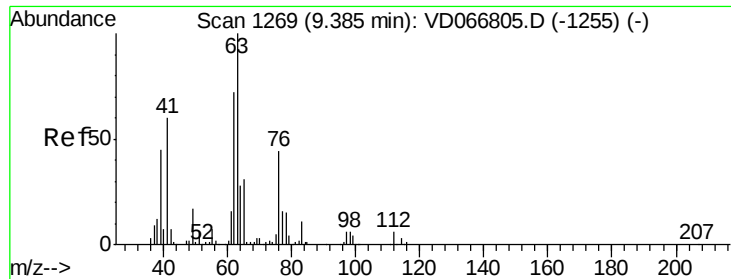
MMDadoda
10/1/2020 2:41:59 PM



#44
Trichloroethene
Concen: 51.937 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	197.0





#45

1,2-Dichloropropane

Concen: 52.118 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 248495

Ion Ratio Lower Upper

63 100

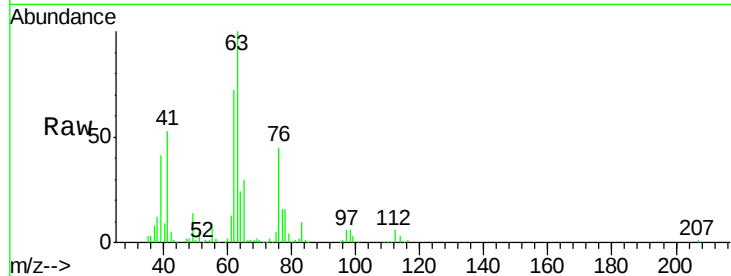
65 30.1 24.7 37.1

Manual Integrations

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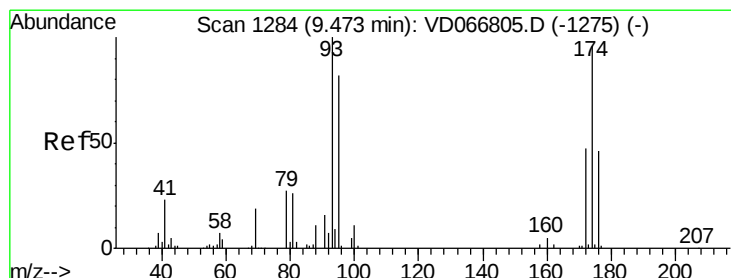
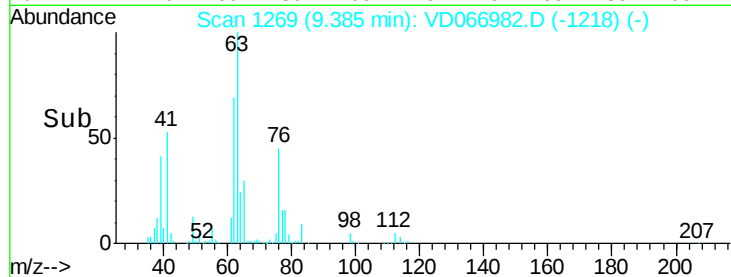
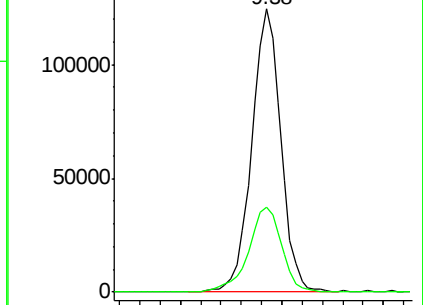
MMDadoda

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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: 54.849 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

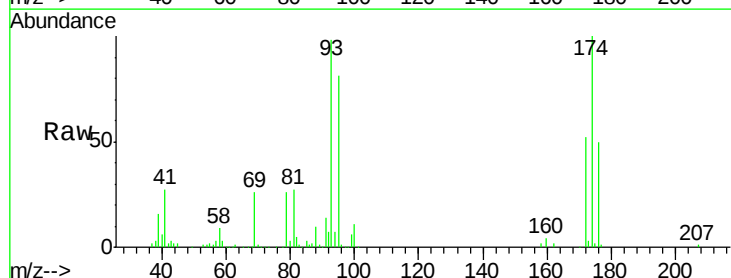
Tgt Ion: 93 Resp: 142089

Ion Ratio Lower Upper

93 100

95 82.6 65.3 97.9

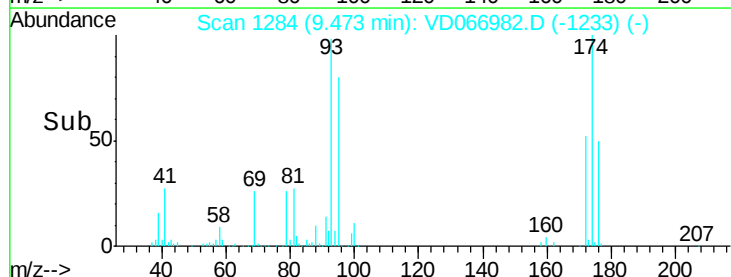
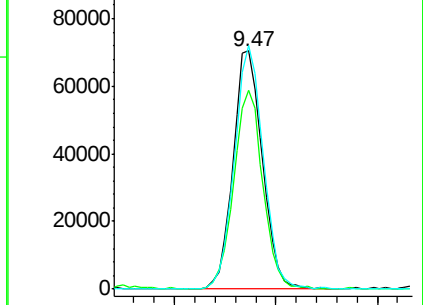
174 99.8 75.4 113.2

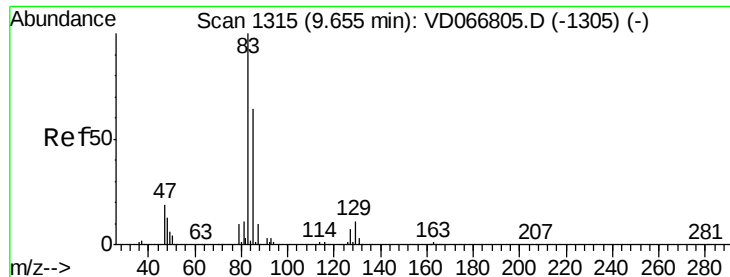


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.637 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

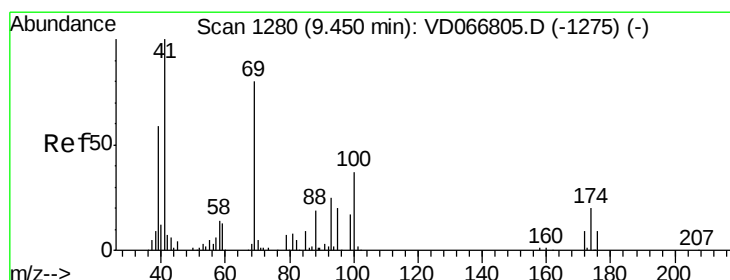
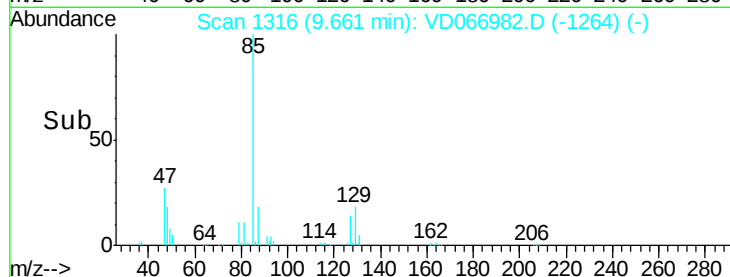
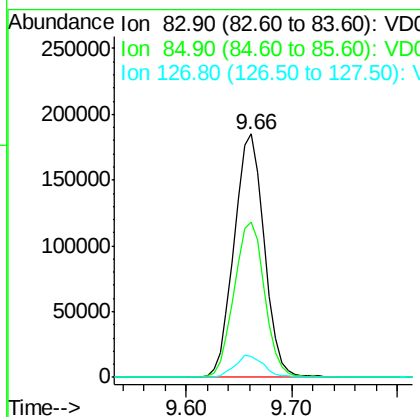
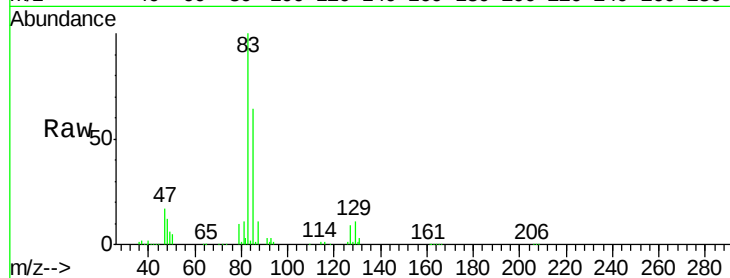
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	366302
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.8	5.9	8.9

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#48

Methyl methacrylate

Concen: 52.560 ug/l

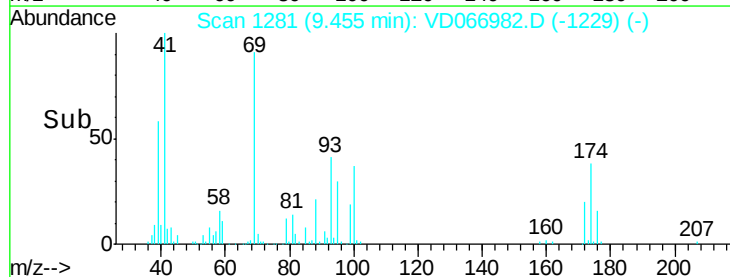
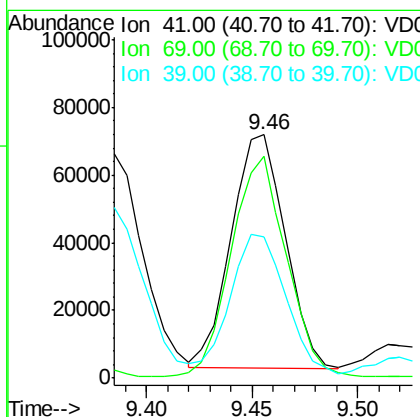
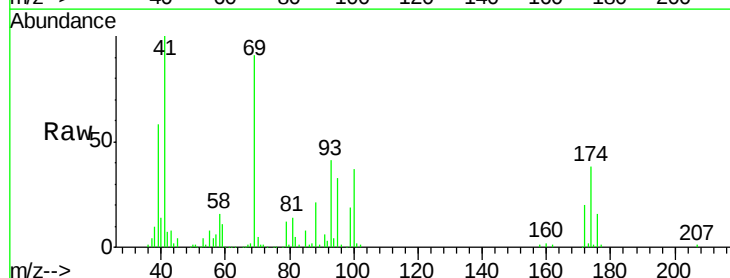
RT: 9.46 min Scan# 1281

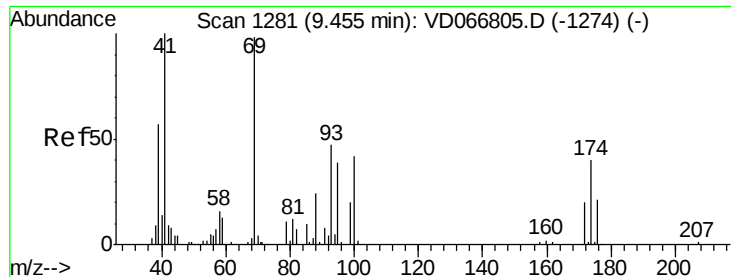
Delta R.T. 0.01 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Tgt Ion:	41	Resp:	122812
Ion	Ratio	Lower	Upper
41	100		
69	98.2	74.5	111.7
39	65.3	47.0	70.6





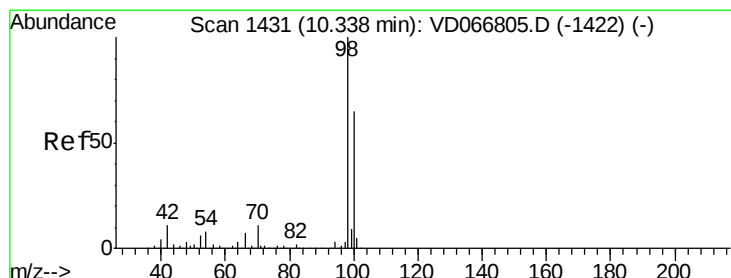
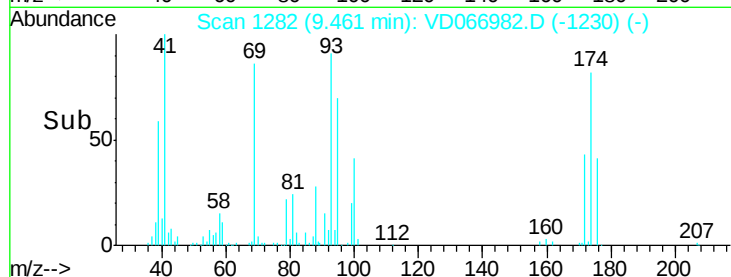
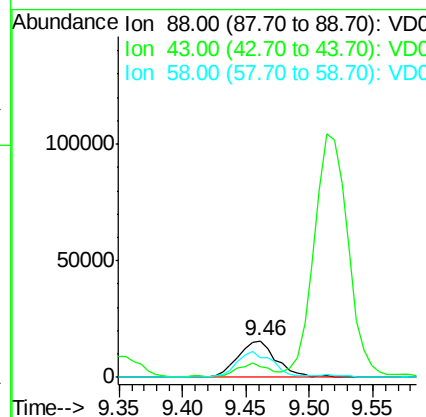
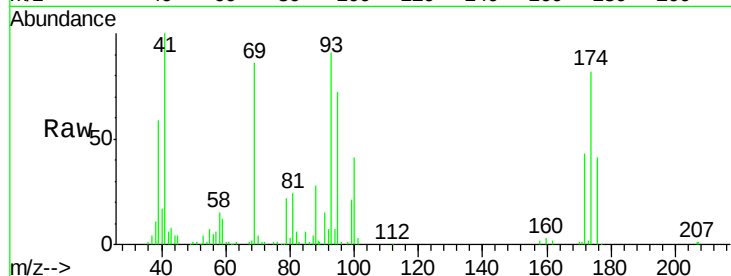
#49
1,4-Dioxane
Concen: 1133.361 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	32889		
43	31.5	27.7	41.5	
58	69.1	55.5	83.3	

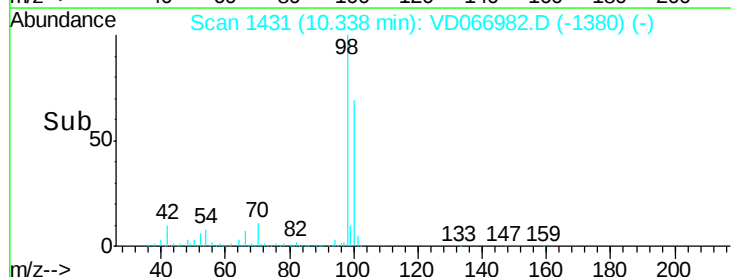
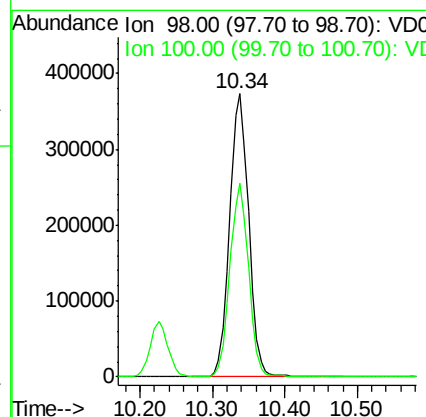
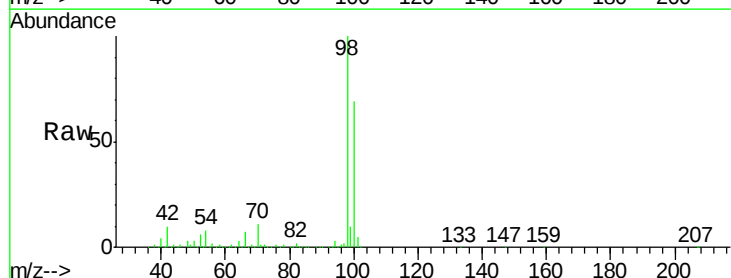
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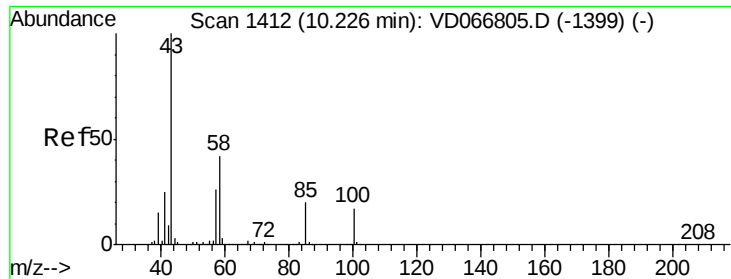
MMDadoda
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#50
Toluene-d8
Concen: 45.807 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	680543		
100	67.7	52.2	78.2	





#51

4-Methyl-2-Pentanone

Concen: 282.695 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 678844

Ion Ratio Lower Upper

43 100

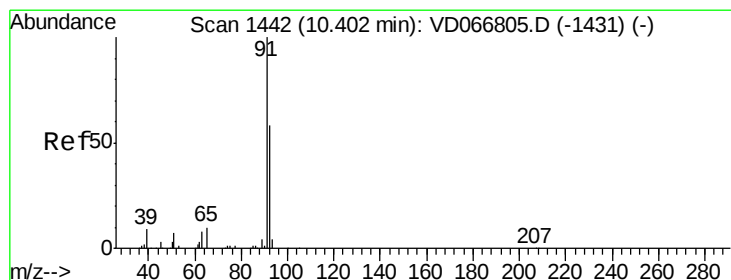
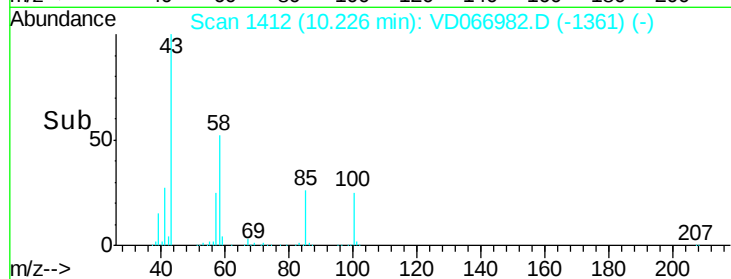
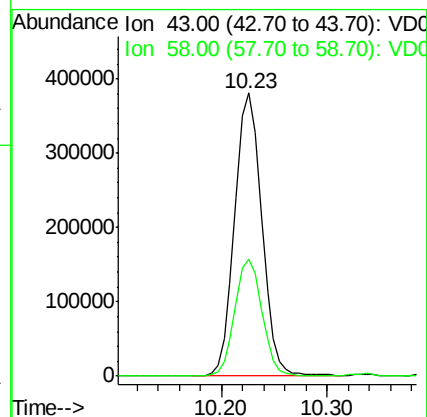
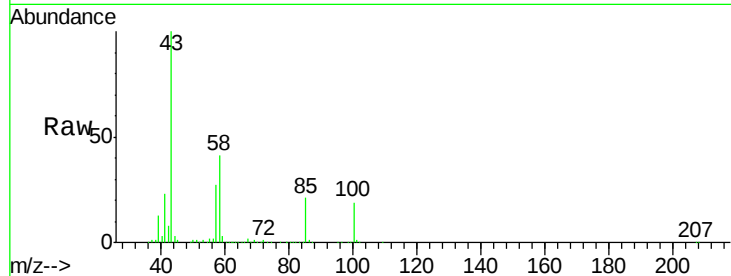
58 41.2 32.2 48.4

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#52

Toluene

Concen: 54.028 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066982.D

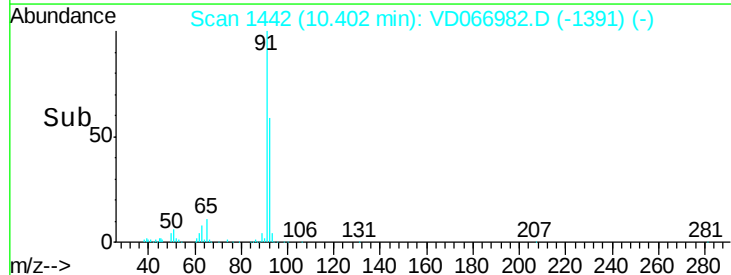
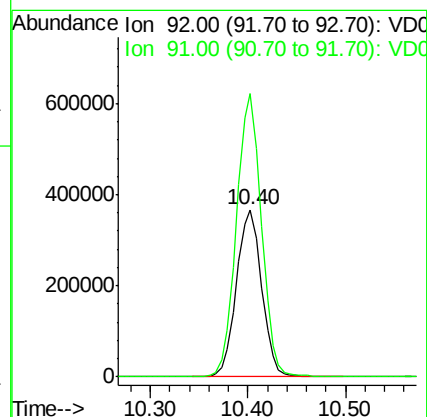
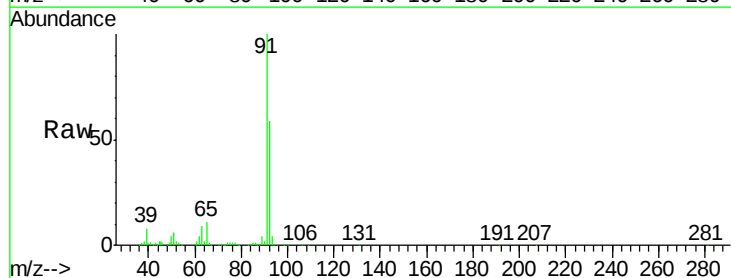
Acq: 30 Sep 2020 19:05

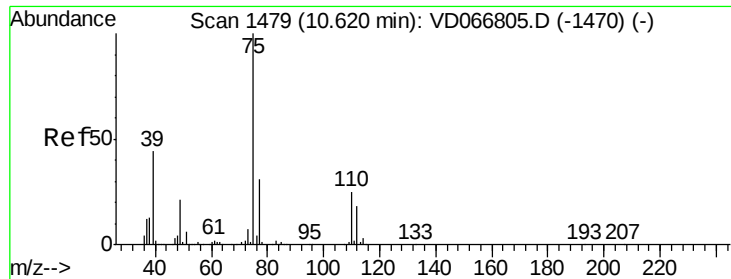
Tgt Ion: 92 Resp: 659490

Ion Ratio Lower Upper

92 100

91 167.8 134.6 202.0





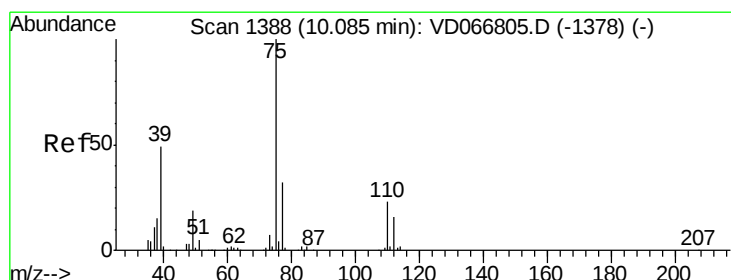
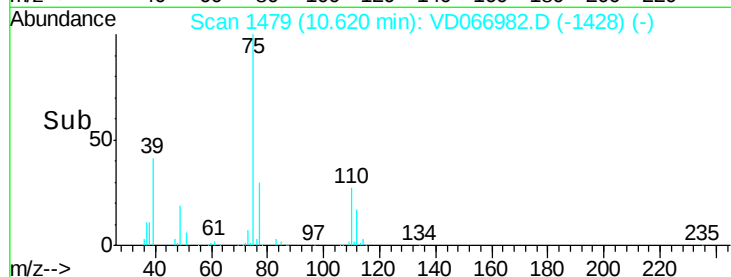
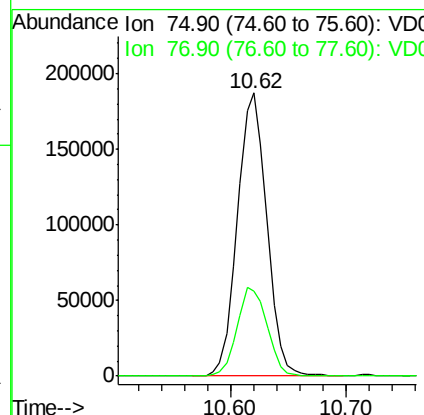
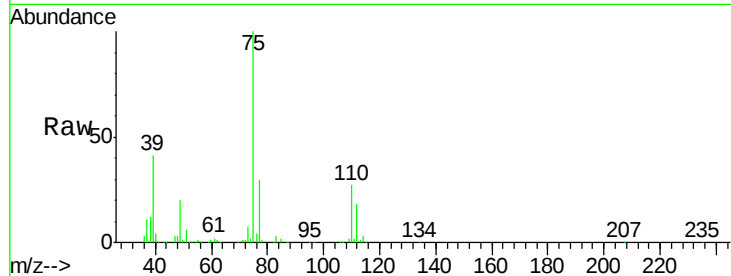
#53
t-1,3-Dichloropropene
Concen: 55.804 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 330530
Ion Ratio Lower Upper
75 100
77 30.0 24.5 36.7

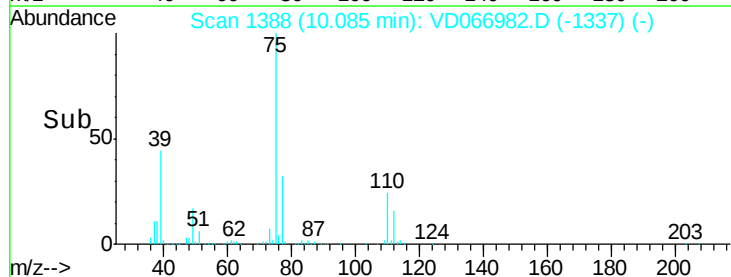
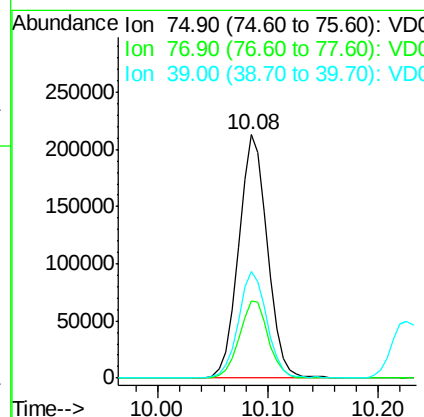
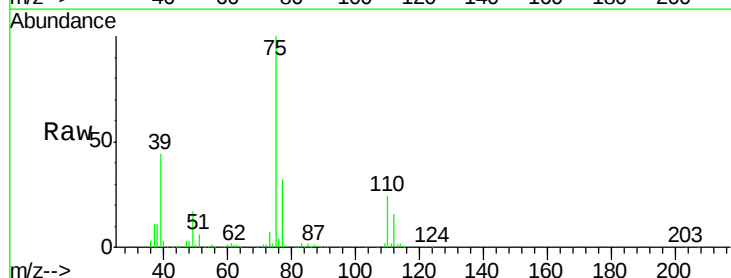
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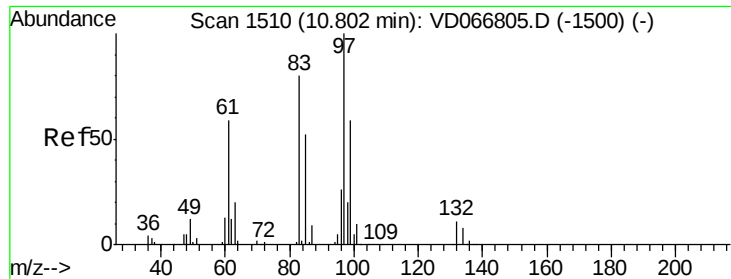
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.950 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion: 75 Resp: 389640
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4
39 43.8 39.2 58.8





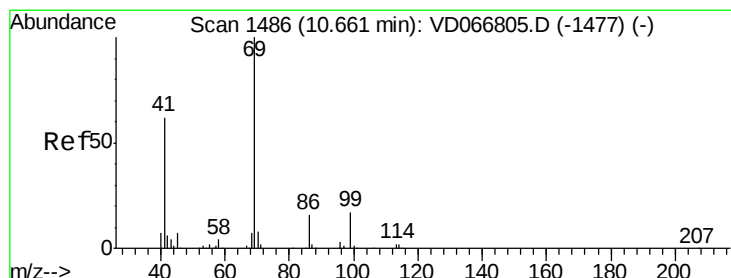
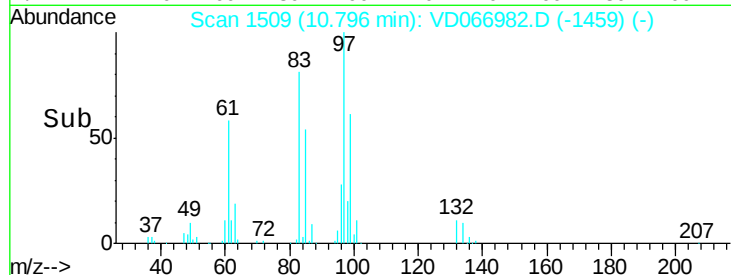
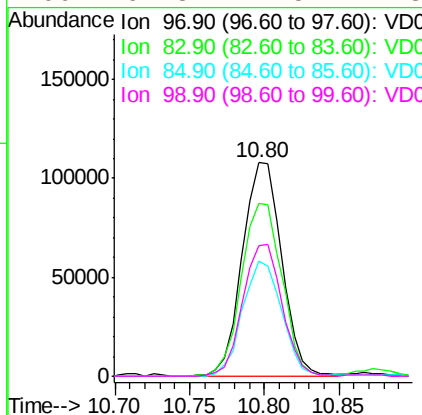
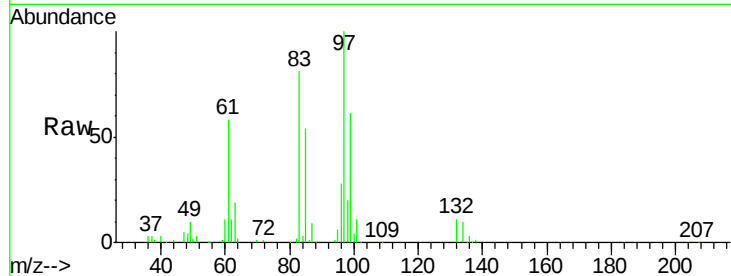
#55
 1,1,2-Trichloroethane
 Concen: 55.305 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	196955
Ion	Ratio	Lower	Upper
97	100		
83	81.1	64.2	96.2
85	54.0	41.9	62.9
99	61.3	47.5	71.3

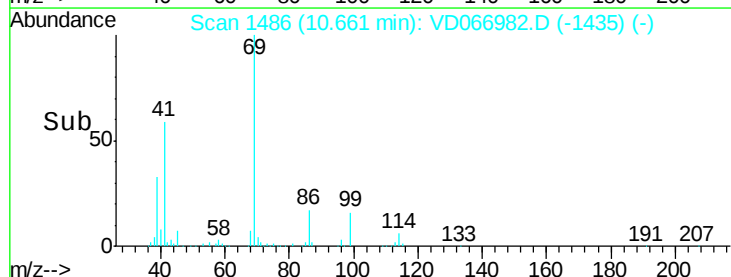
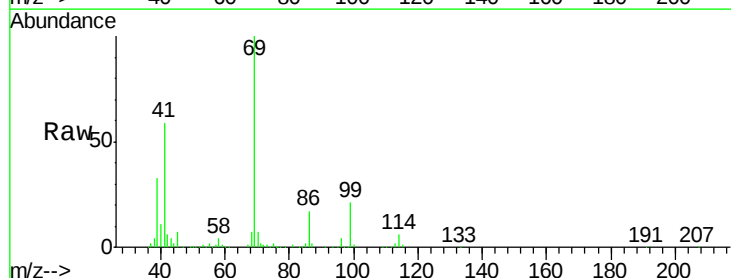
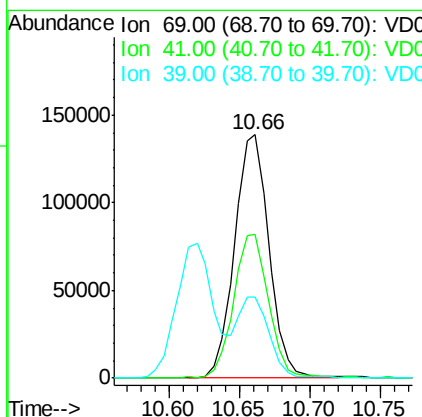
Manual Integrations
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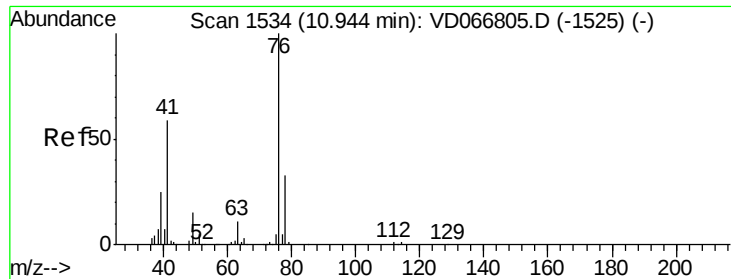
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#56
 Ethyl methacrylate
 Concen: 62.143 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion	69	Resp	237081
Ion	Ratio	Lower	Upper
69	100		
41	60.7	52.2	78.2
39	29.9	26.6	40.0





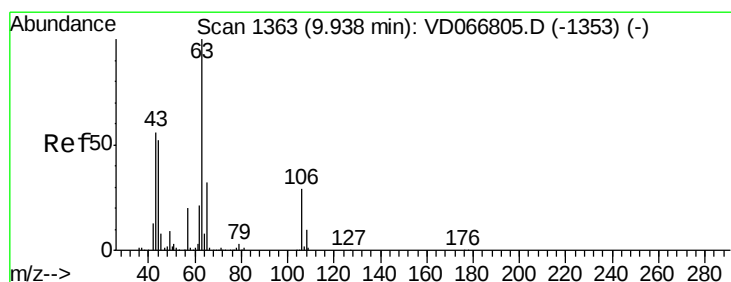
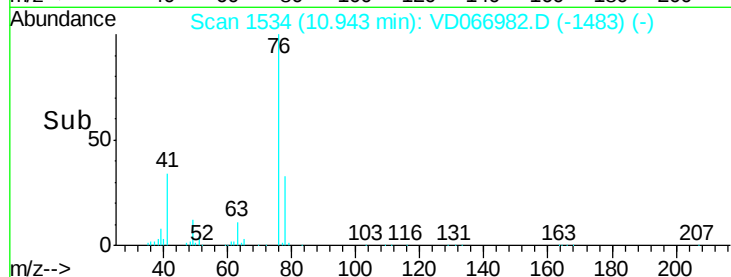
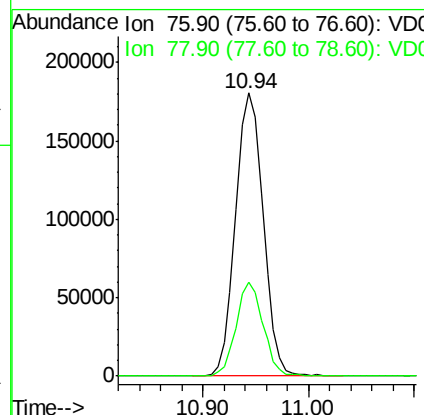
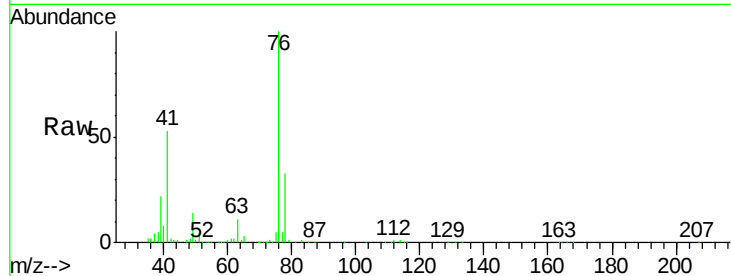
#57
 1,3-Dichloropropane
 Concen: 55.617 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 327056
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.3 39.5

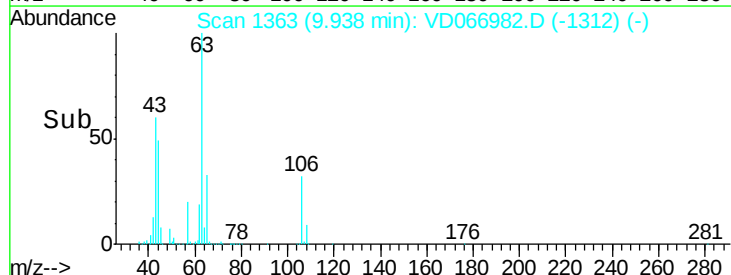
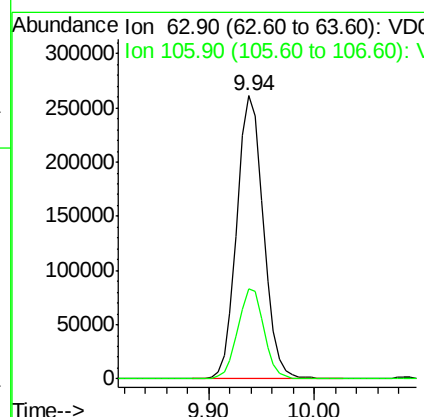
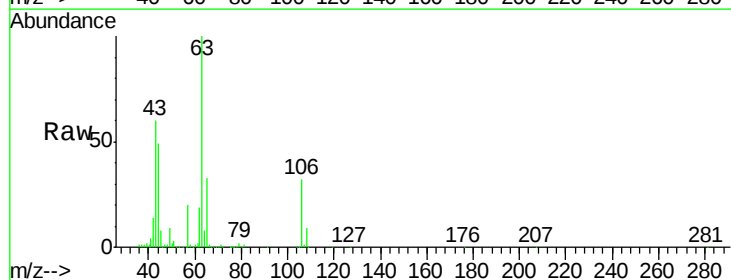
Manual Integrations
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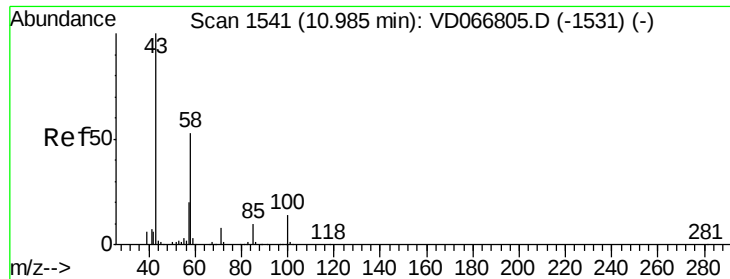
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 251.637 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion: 63 Resp: 454562
 Ion Ratio Lower Upper
 63 100
 106 31.4 23.8 35.6





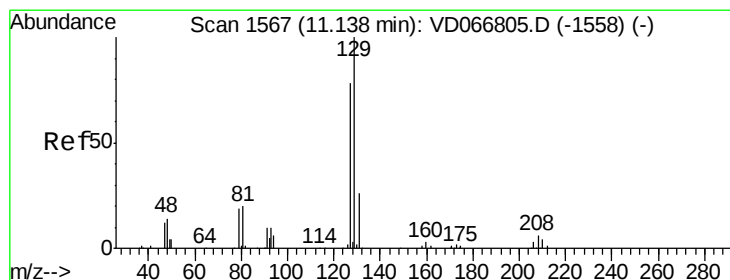
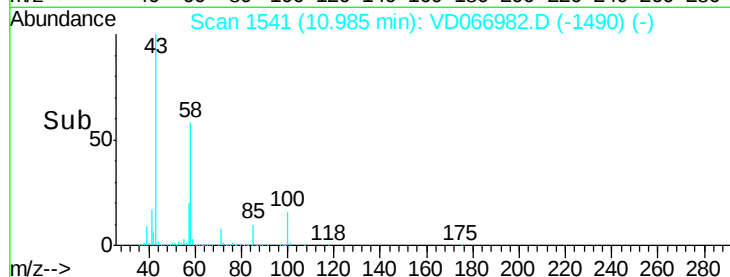
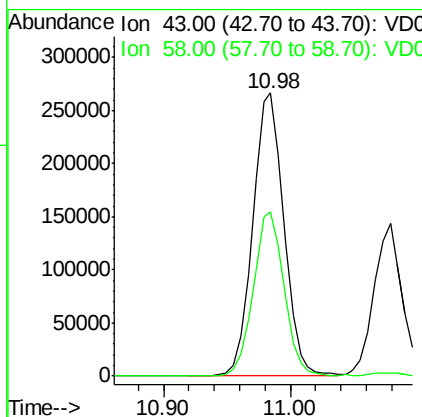
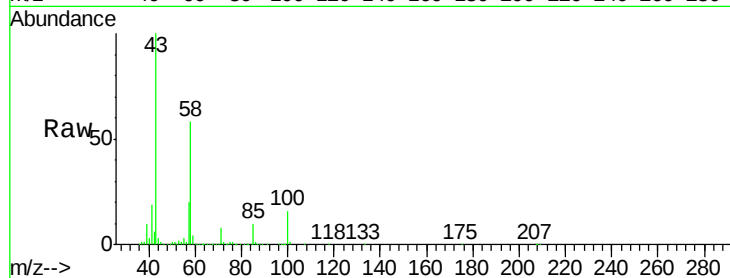
#59
2-Hexanone
Concen: 280.935 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 454945
Ion Ratio Lower Upper
43 100
58 57.2 27.0 80.8

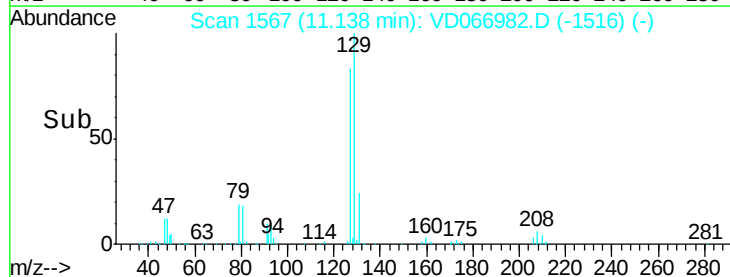
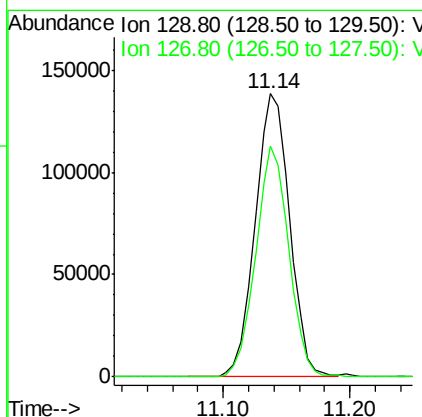
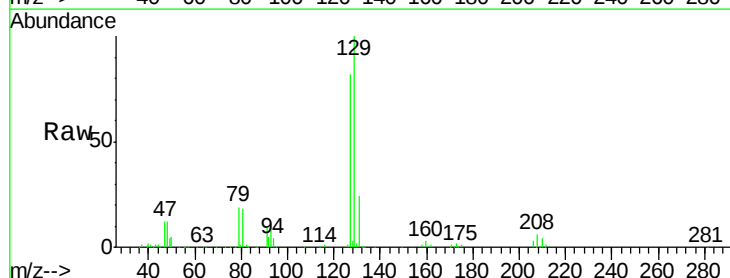
Manual Integrations
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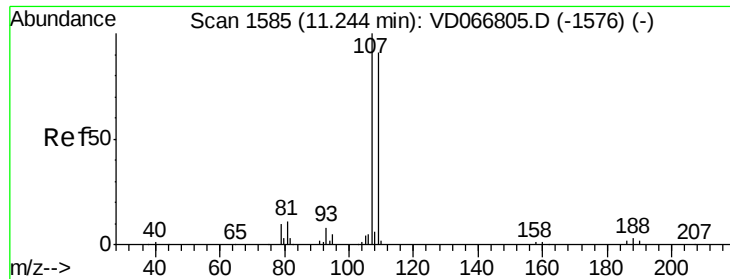
MMDadoda
10/1/2020 2:41:59 PM



#60
Dibromochloromethane
Concen: 56.432 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion: 129 Resp: 262290
Ion Ratio Lower Upper
129 100
127 78.5 38.6 116.0





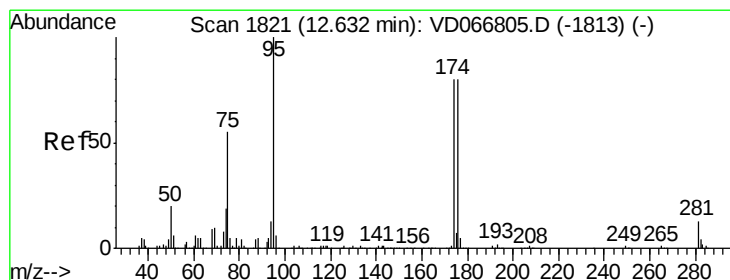
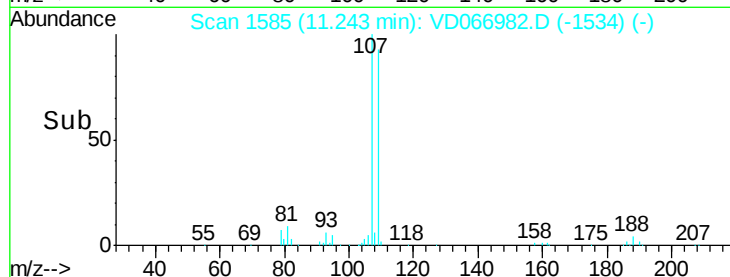
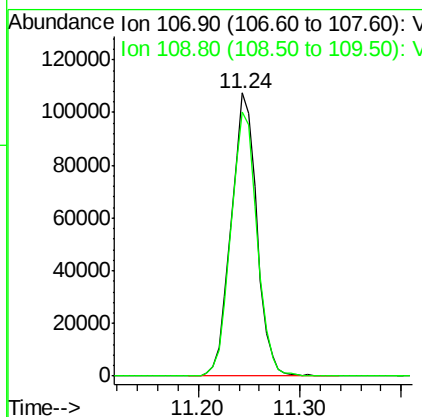
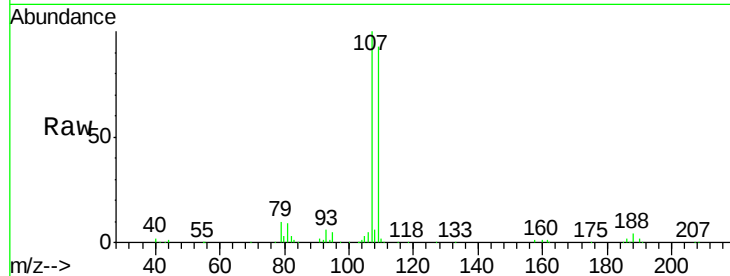
#61
 1,2-Dibromoethane
 Concen: 56.734 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.0	112.4

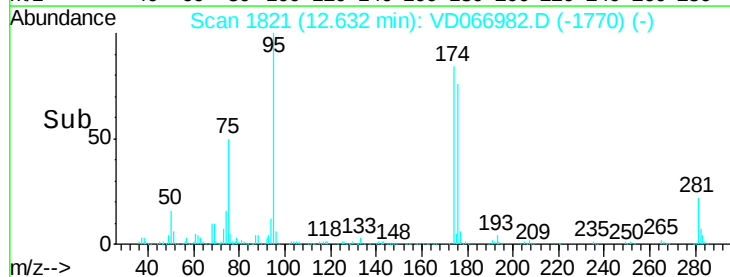
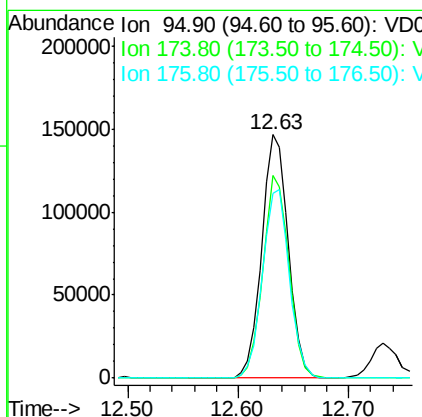
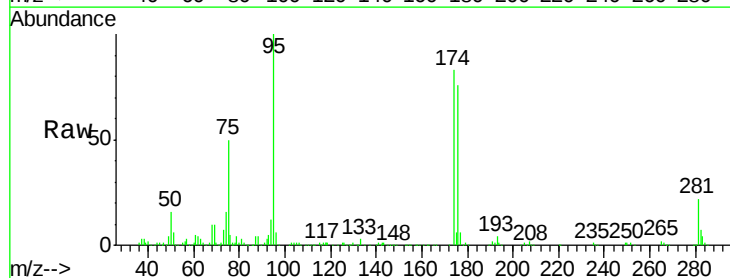
Manual Integrations
 APPROVED

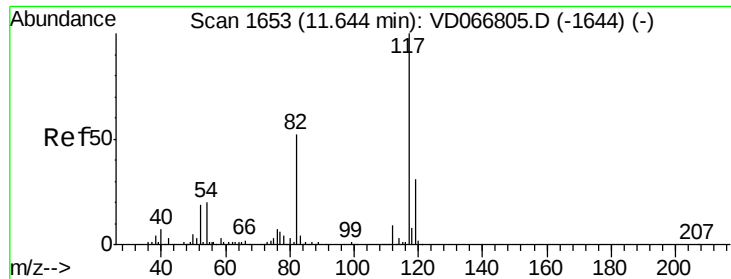
MMDadoda
 10/1/2020 2:41:59 PM



#62
 4-Bromofluorobenzene
 Concen: 48.660 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	159.8
176	78.4	0.0	154.4





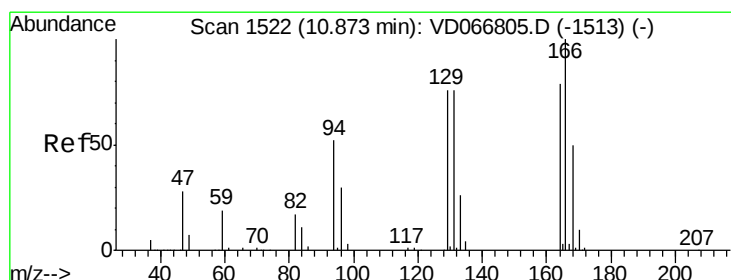
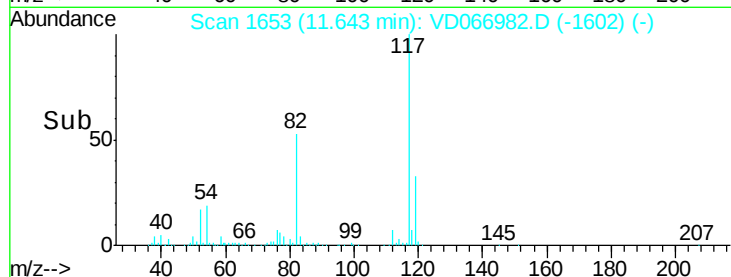
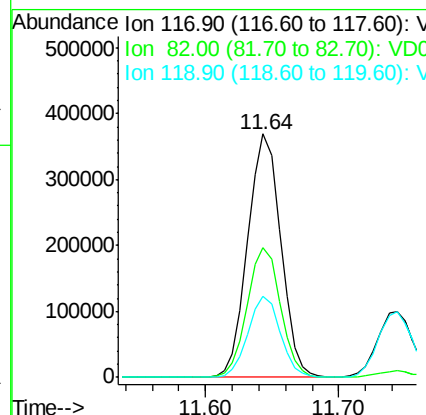
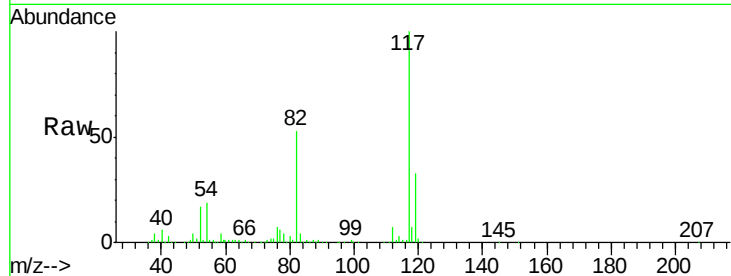
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.8	62.6
119	33.4	24.6	37.0

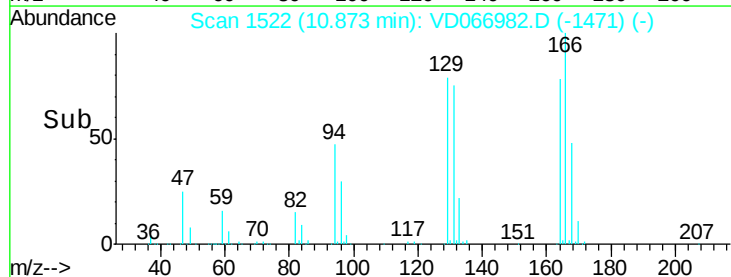
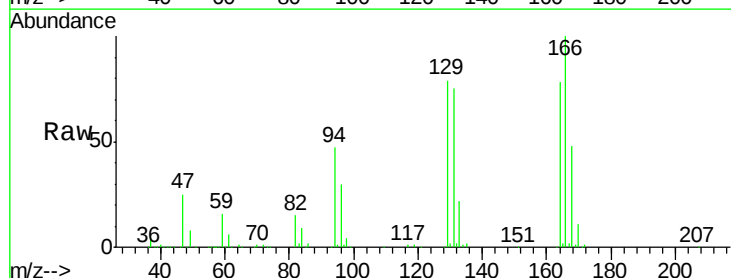
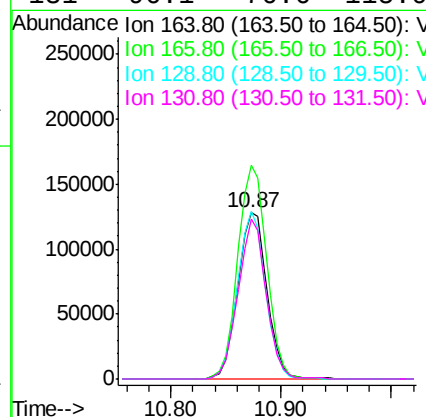
Manual Integrations
APPROVED

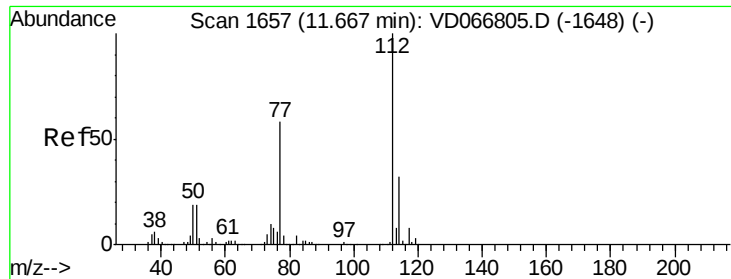
MMDadoda
10/1/2020 2:41:59 PM



#64
Tetrachloroethene
Concen: 52.376 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.1	151.7
129	101.4	77.0	115.4
131	96.1	76.6	115.0





#65

Chlorobenzene

Concen: 53.226 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 701506

Ion Ratio Lower Upper

112 100

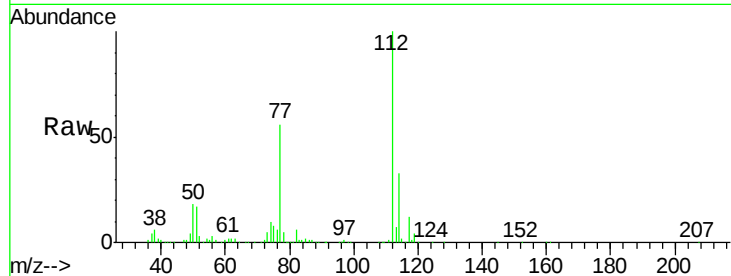
114 32.8 25.4 38.2

Manual Integrations

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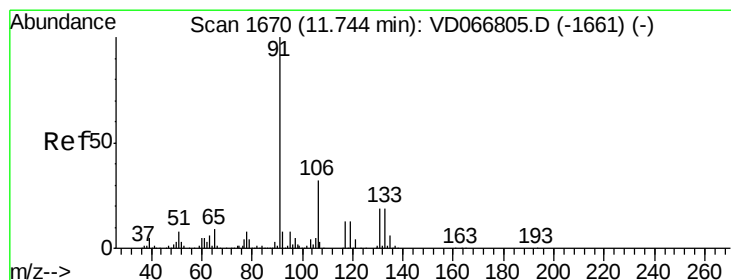
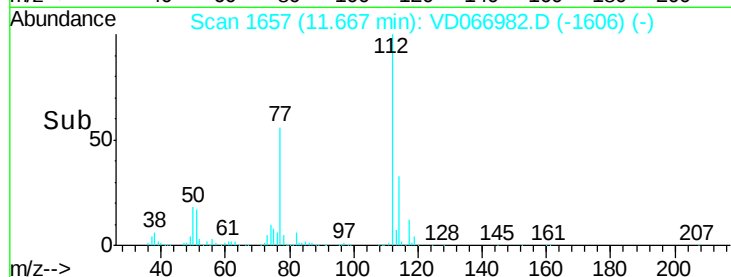
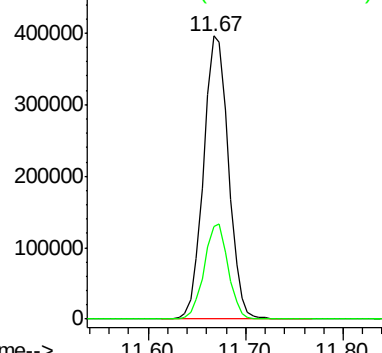
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.373 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

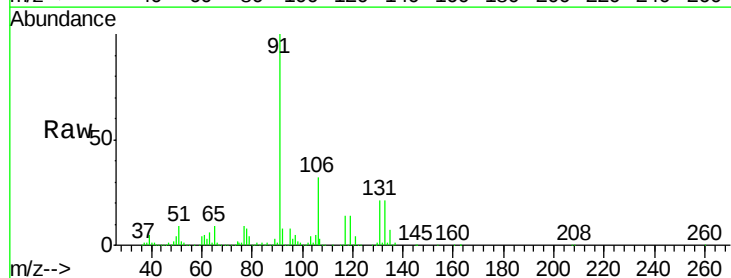
Tgt Ion:131 Resp: 276217

Ion Ratio Lower Upper

131 100

133 95.6 46.7 140.1

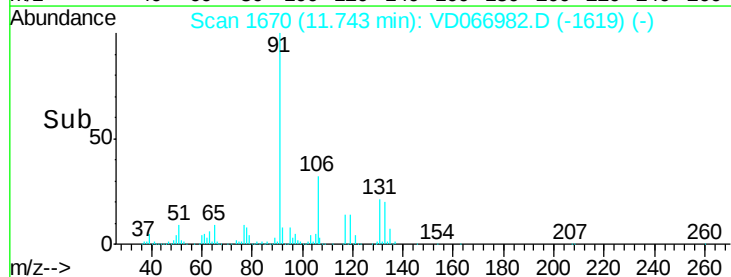
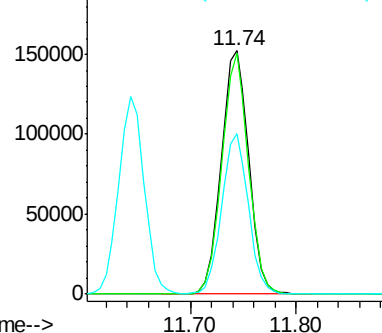
119 64.2 32.3 96.9

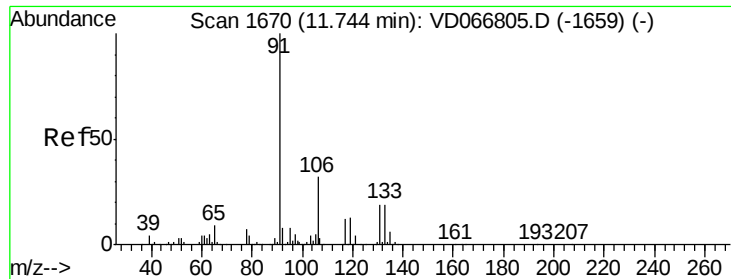


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





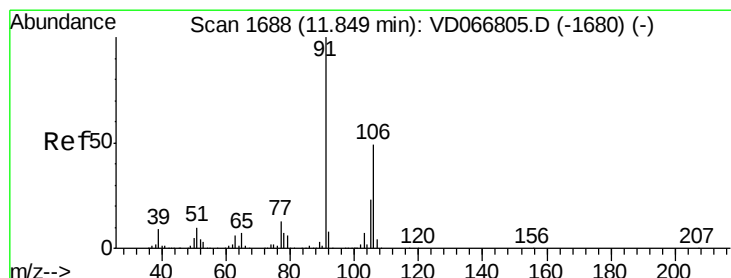
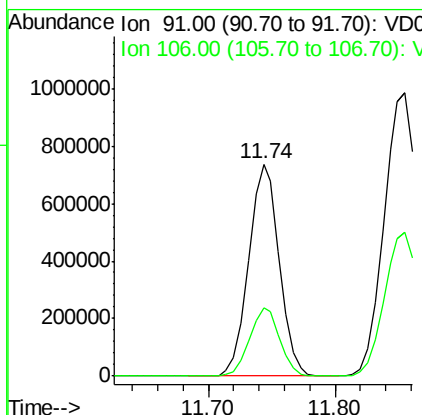
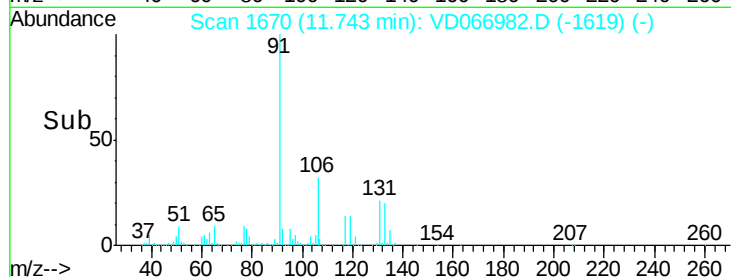
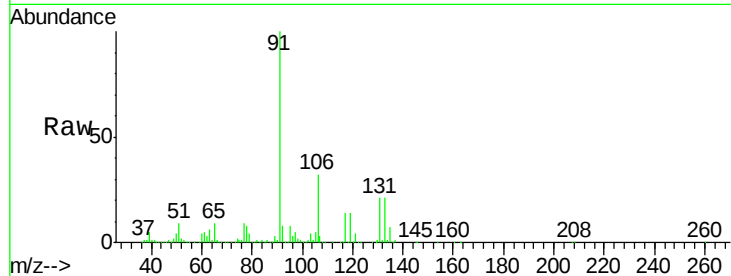
#67
Ethyl Benzene
Concen: 53.242 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1232442
Ion Ratio Lower Upper
91 100
106 32.3 25.6 38.4

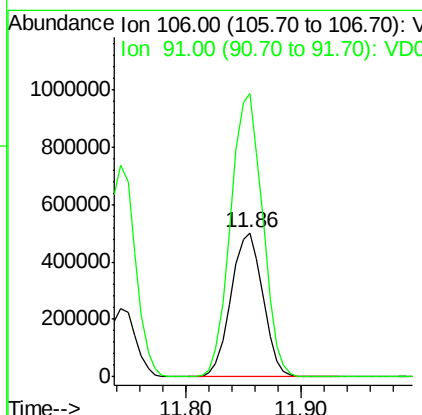
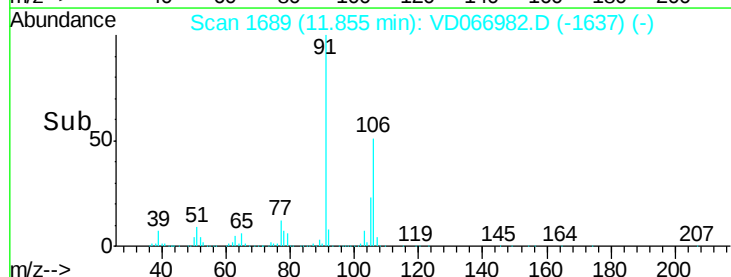
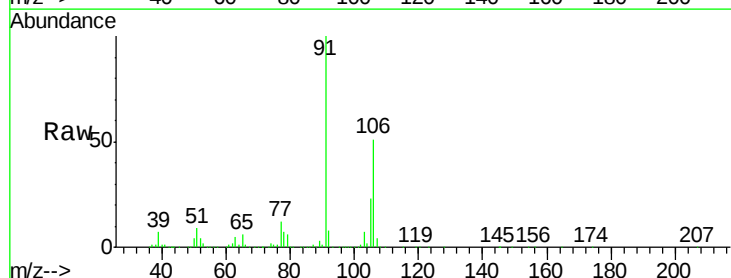
Manual Integrations
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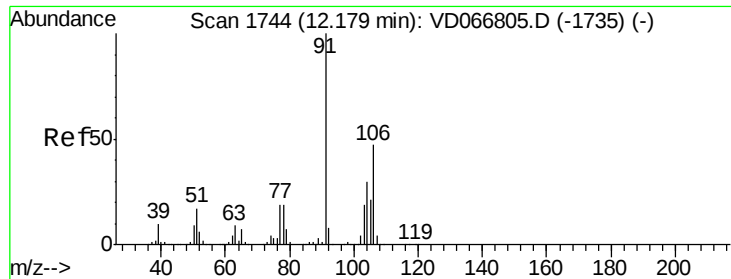
MMDadoda
10/1/2020 2:41:59 PM



#68
m/p-Xylenes
Concen: 109.096 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion: 106 Resp: 956130
Ion Ratio Lower Upper
106 100
91 197.7 160.7 241.1





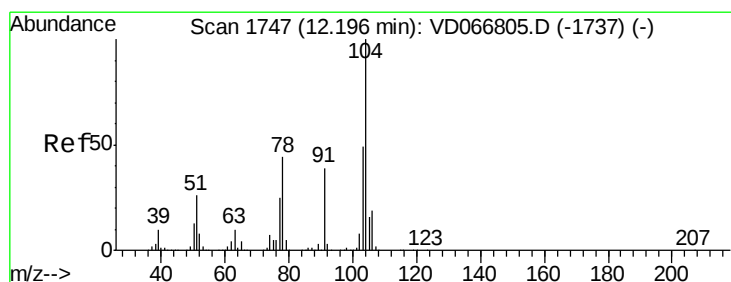
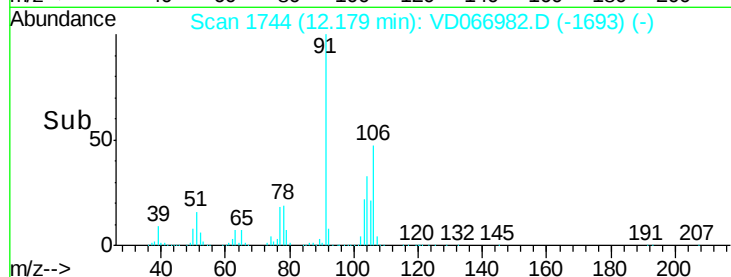
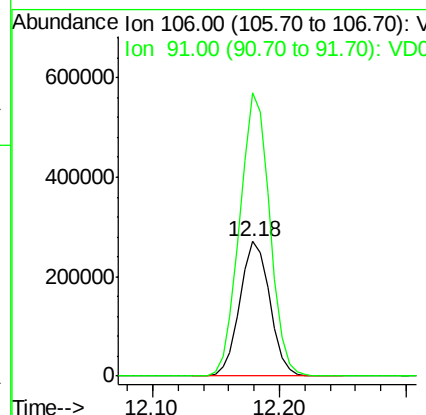
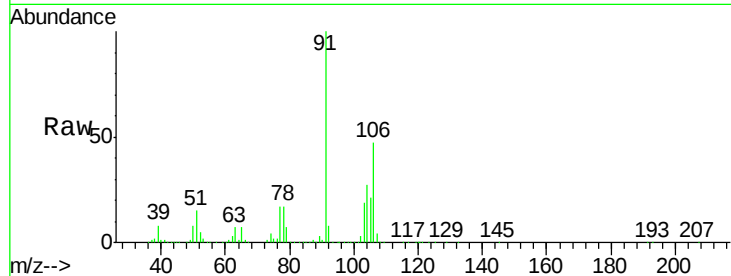
#69
o-Xylene
Concen: 56.067 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 444322
Ion Ratio Lower Upper
106 100
91 210.2 106.3 318.8

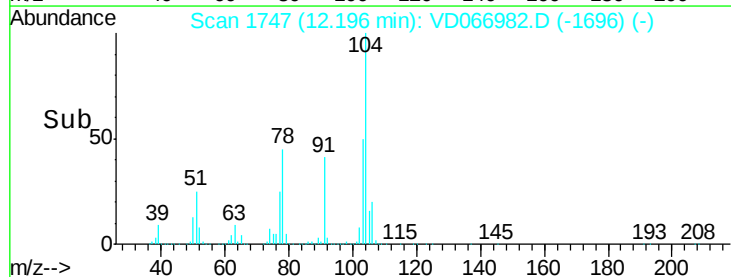
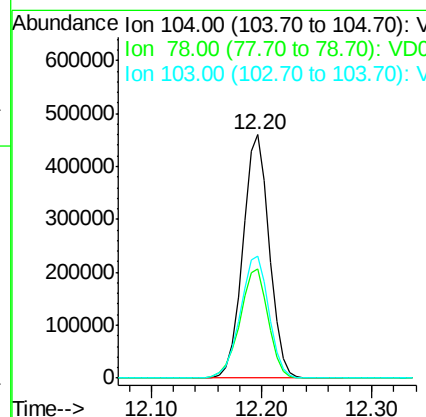
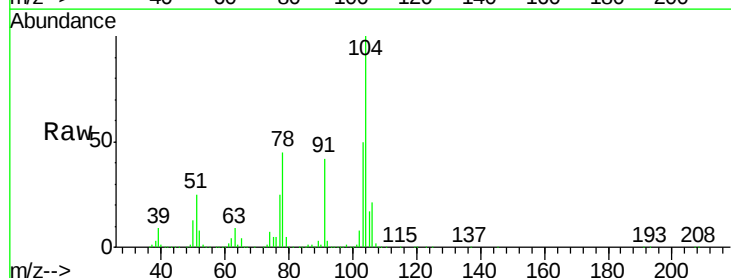
Manual Integrations
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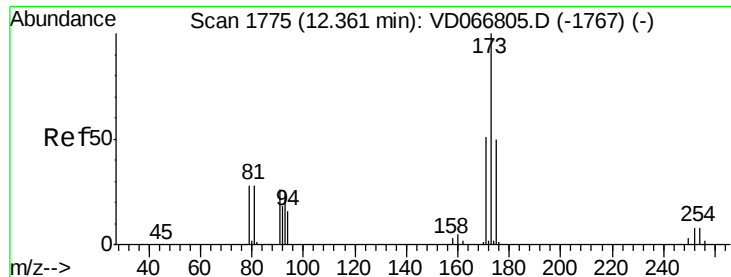
MMDadoda
10/1/2020 2:41:59 PM



#70
Styrene
Concen: 56.160 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion:104 Resp: 772900
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 54.3 43.2 64.8





#71

Bromoform

Concen: 57.924 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

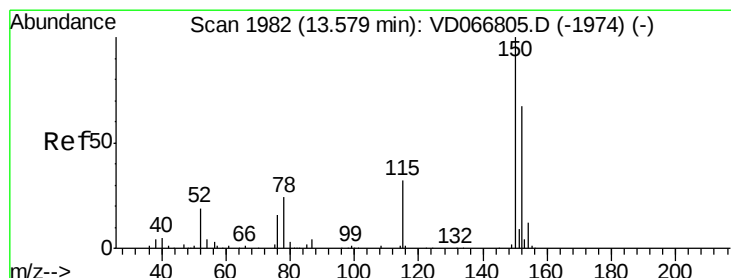
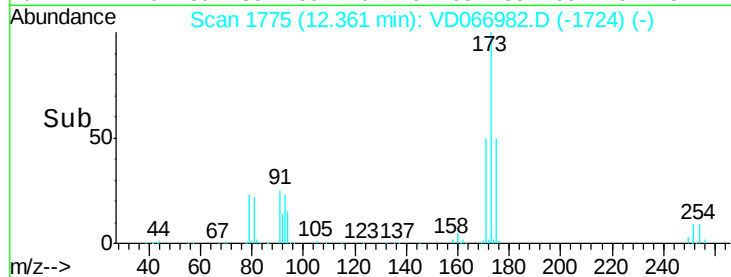
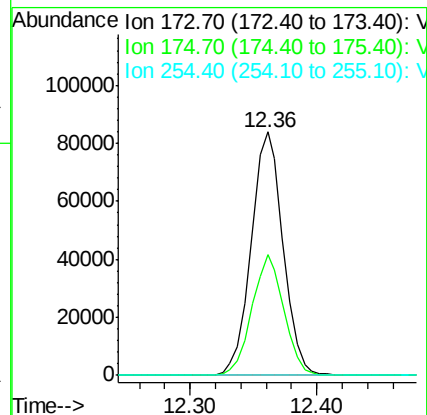
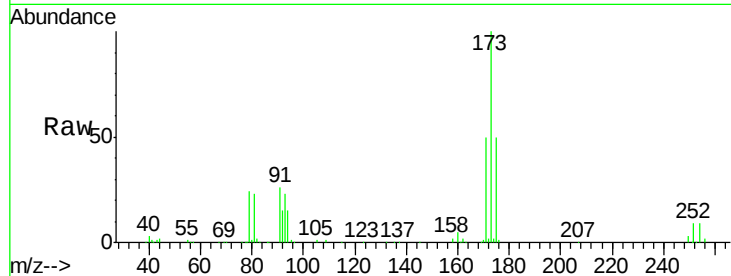
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.6
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

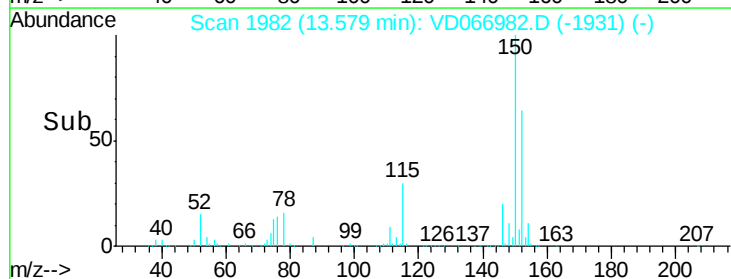
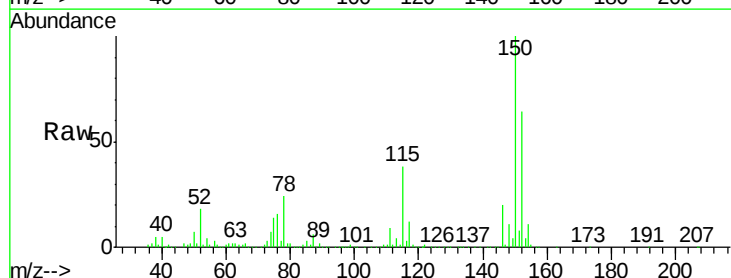
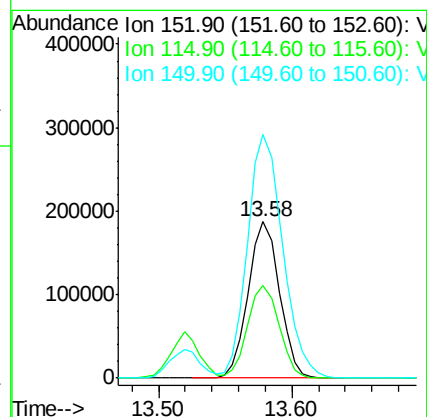
RT: 13.58 min Scan# 1982

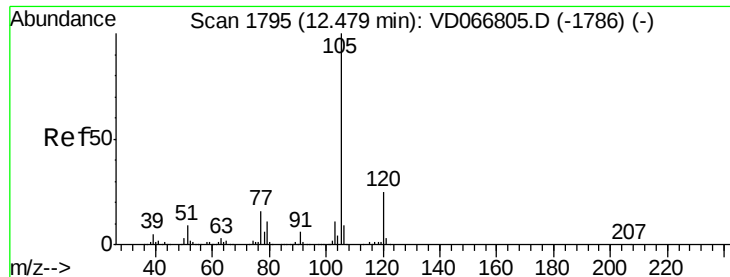
Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.3	91.0
150	175.4	0.0	346.2





#73

Isopropylbenzene

Concen: 54.088 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1188642

Ion Ratio Lower Upper

105 100

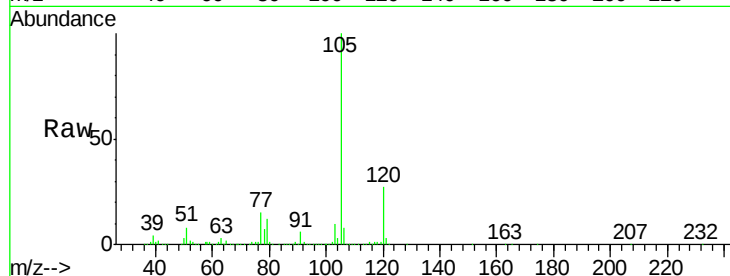
120 27.0 12.9 38.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

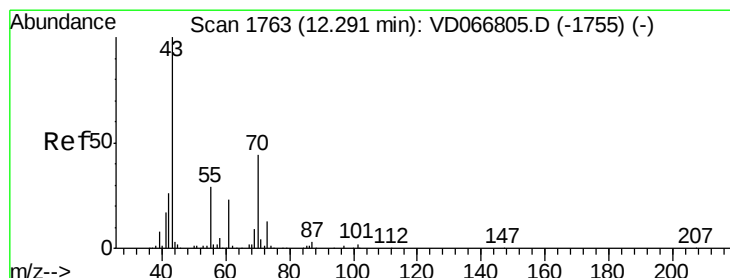
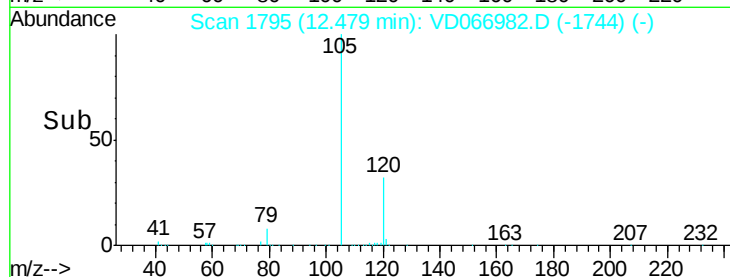
200000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 55.981 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Tgt Ion: 43 Resp: 240248

Ion Ratio Lower Upper

43 100

70 47.7 36.1 54.1

55 27.0 21.8 32.8

61 25.9 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

250000

200000

150000

100000

50000

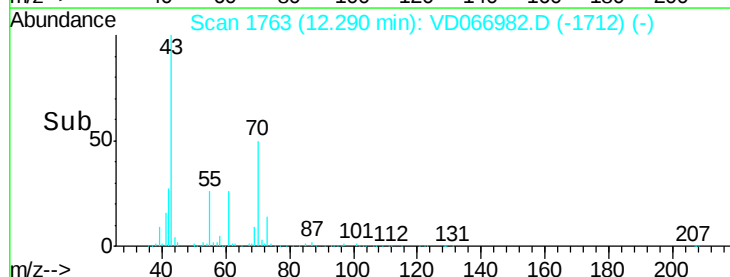
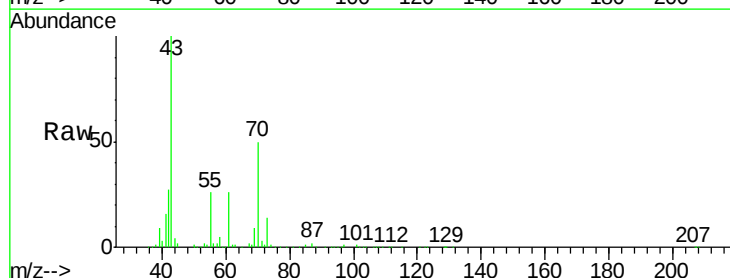
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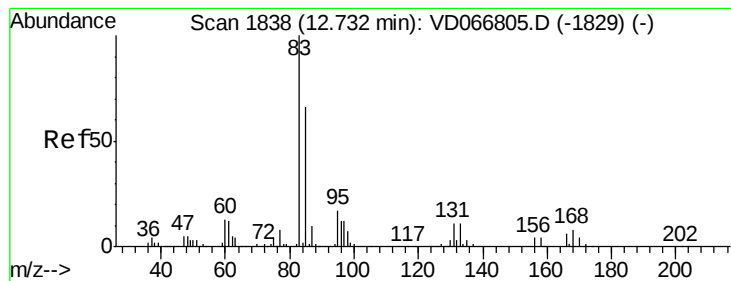
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.862 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 204250

Ion Ratio Lower Upper

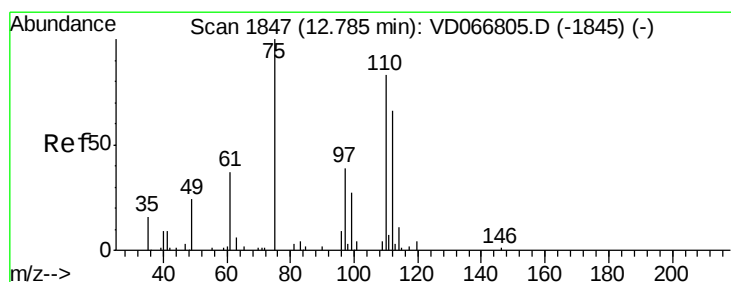
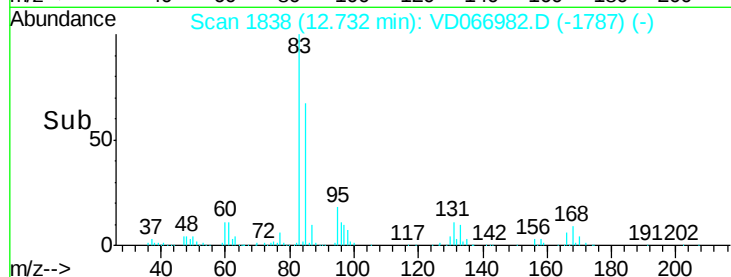
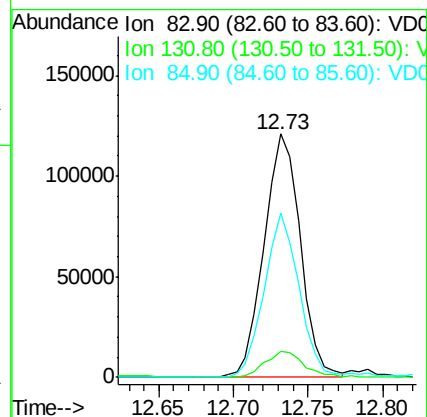
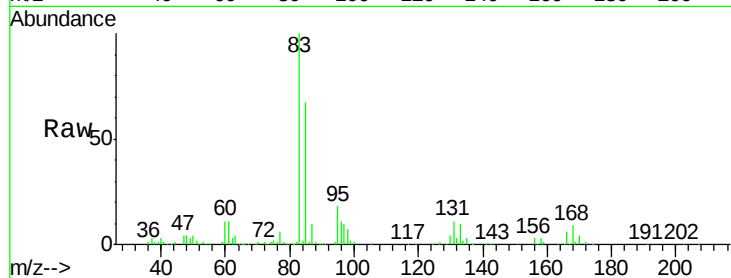
83 100

131 11.9 5.5 16.7

85 64.3 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 64.241 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066982.D

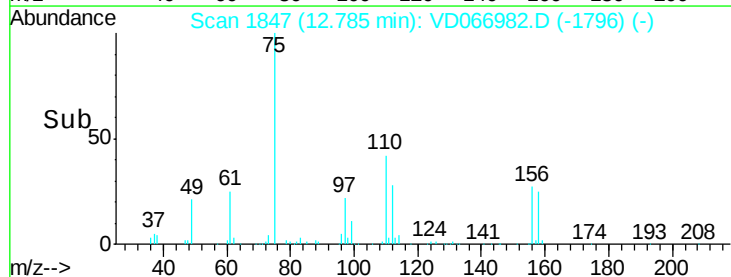
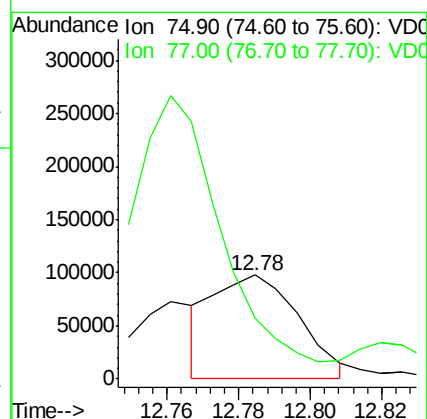
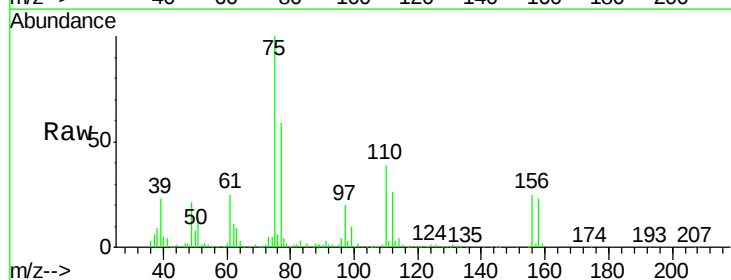
Acq: 30 Sep 2020 19:05

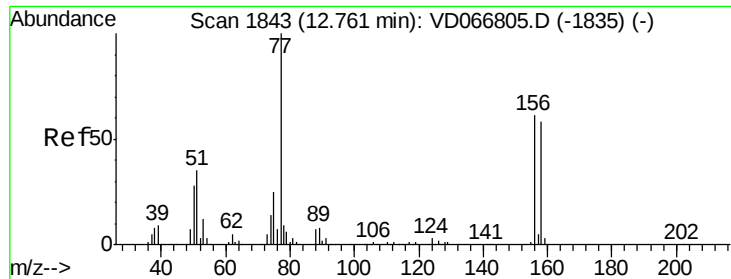
Tgt Ion: 75 Resp: 161954

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 55.737 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

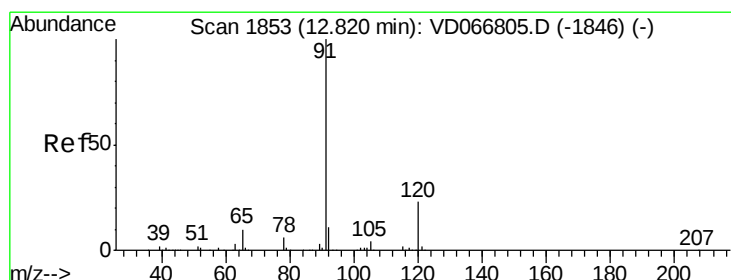
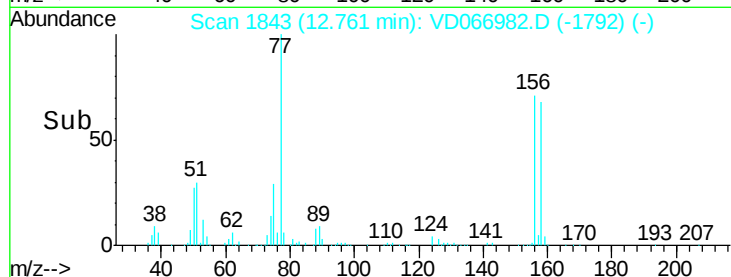
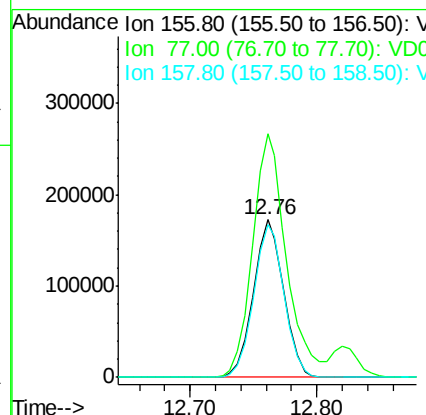
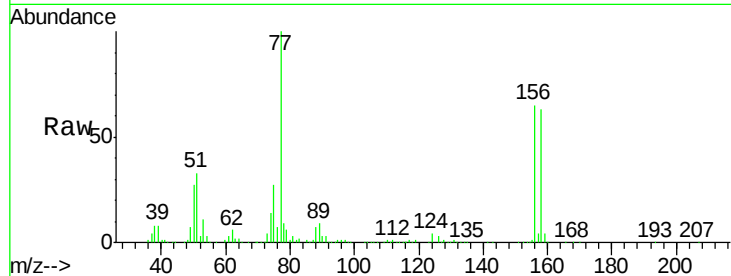
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	286475
Ion Ratio	Lower	Upper	
156	100		
77	171.2	92.3	276.9
158	97.0	47.6	142.9

Manual Integrations
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#78

n-propylbenzene

Concen: 52.450 ug/l

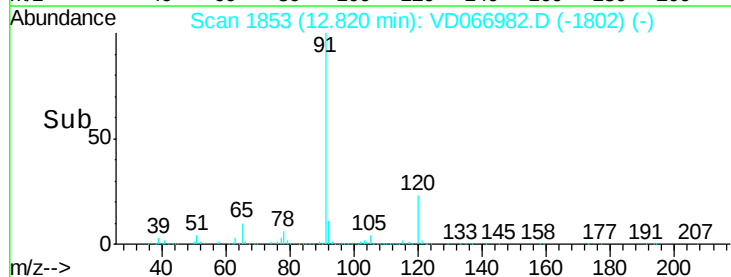
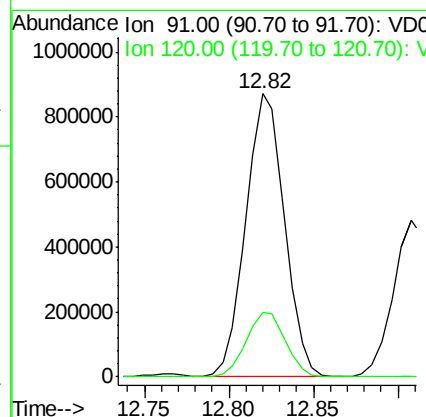
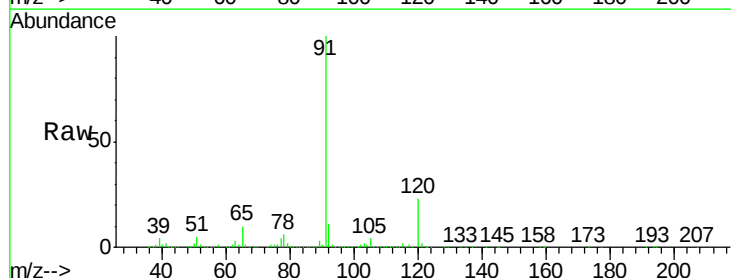
RT: 12.82 min Scan# 1853

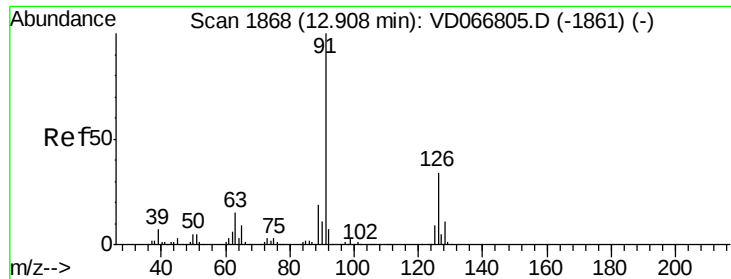
Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Tgt Ion:	91	Resp:	1386694
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.4	34.2





#79

2-Chlorotoluene

Concen: 52.841 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 796101

Ion Ratio Lower Upper

91 100

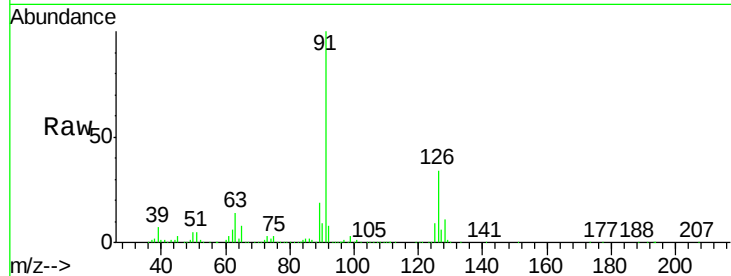
126 34.3 17.0 51.0

Manual Integrations

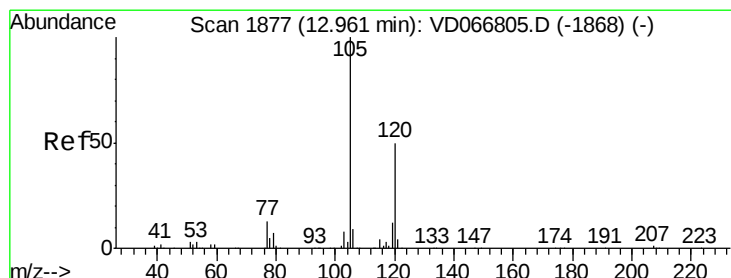
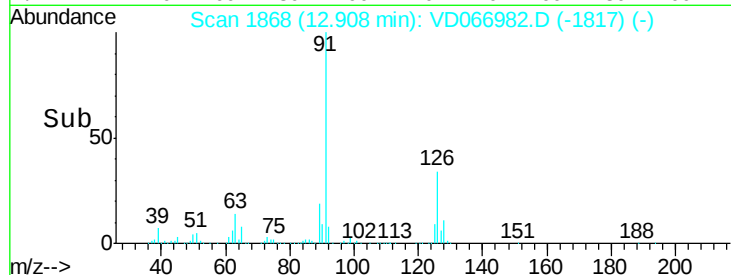
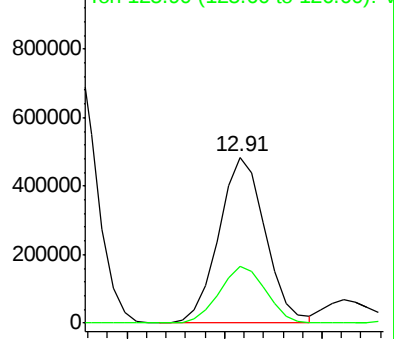
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Abundance Ion 91.00 (90.70 to 91.70): VD066805.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.032 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066982.D

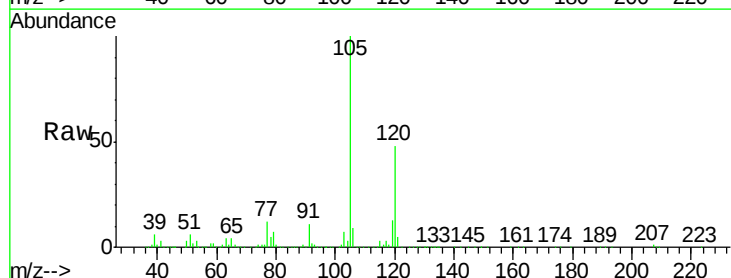
Acq: 30 Sep 2020 19:05

Tgt Ion: 105 Resp: 1007544

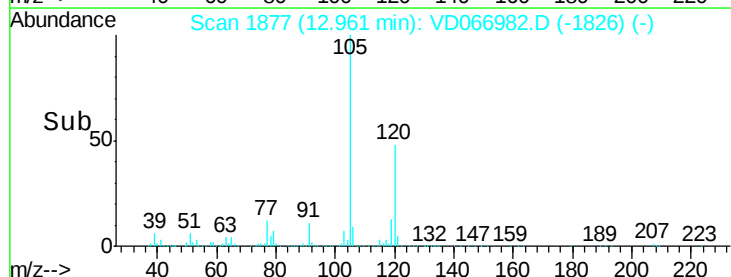
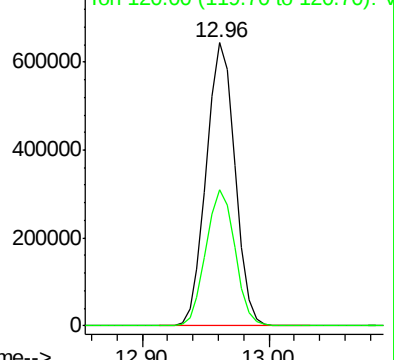
Ion Ratio Lower Upper

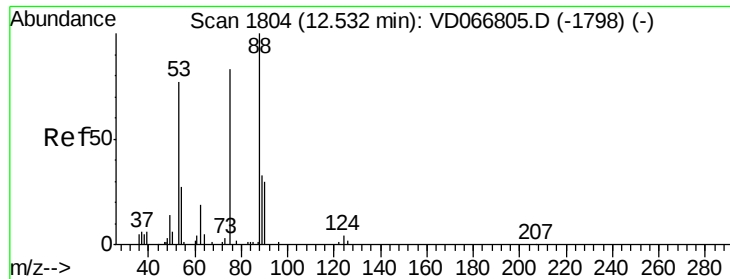
105 100

120 48.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VD066805.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 61.001 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 61468

Ion Ratio Lower Upper

75 100

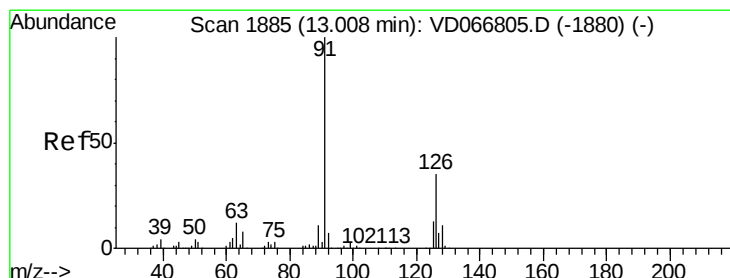
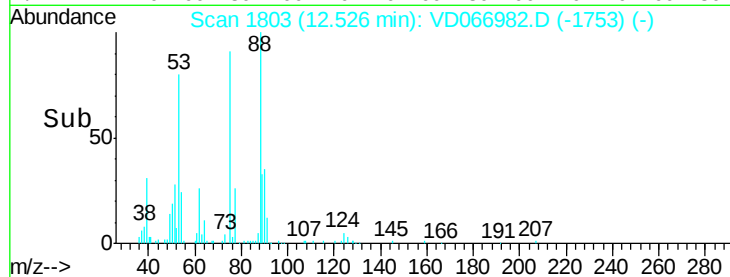
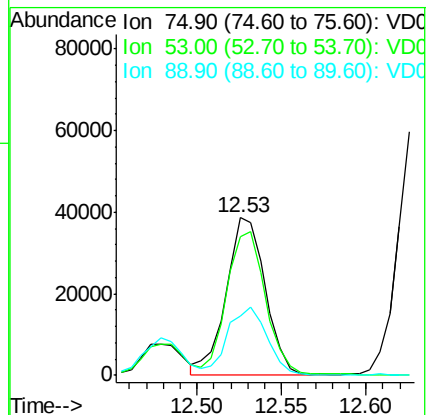
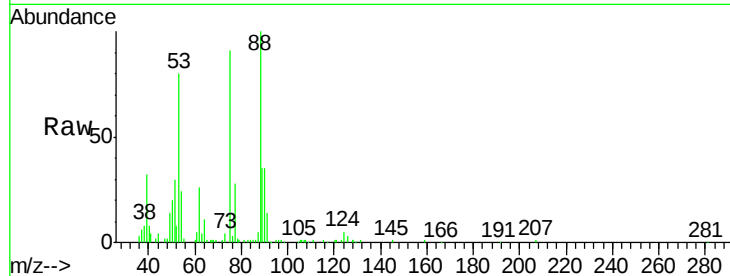
53 92.3 78.5 117.7

89 44.4 38.1 57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.746 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066982.D

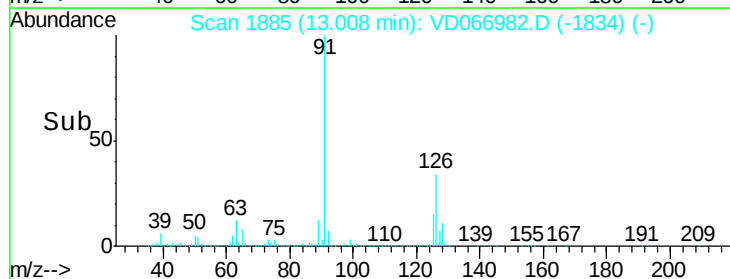
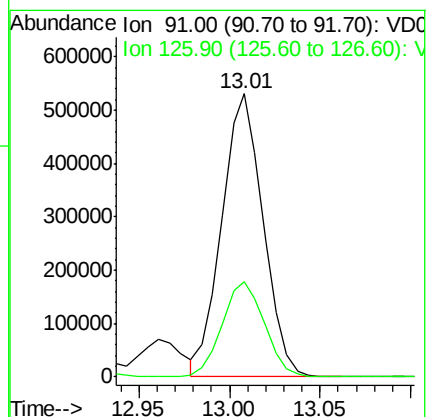
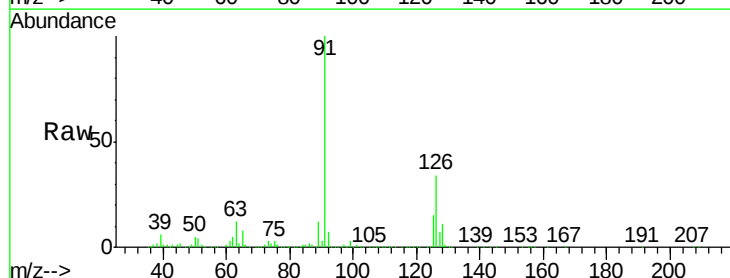
Acq: 30 Sep 2020 19:05

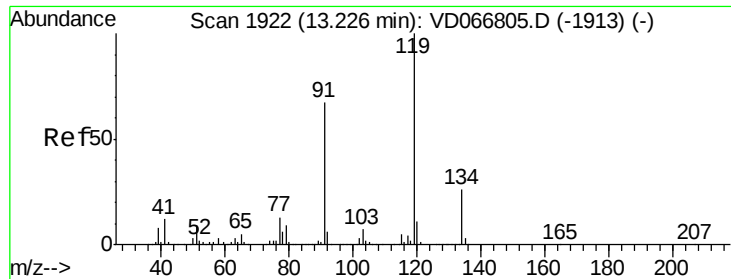
Tgt Ion: 91 Resp: 837691

Ion Ratio Lower Upper

91 100

126 34.7 17.1 51.2





#83

tert-Butylbenzene

Concen: 54.751 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Instrument :

MSVOA_D

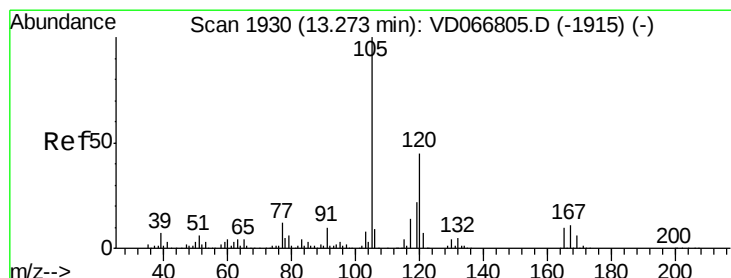
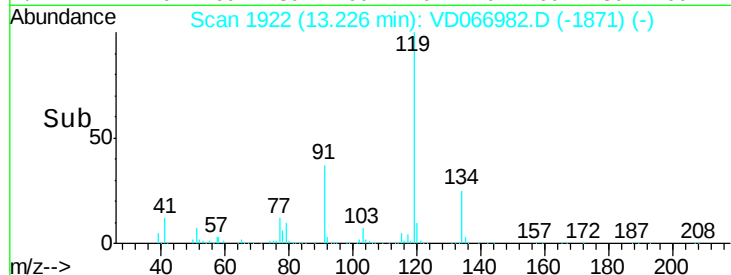
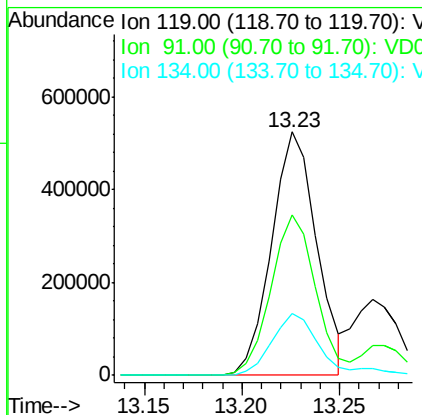
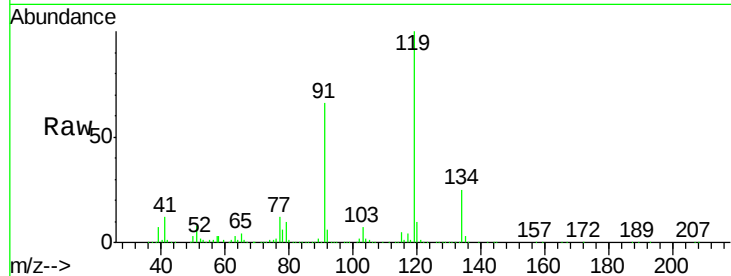
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	838930
Ion Ratio	Lower	Upper	
119	100		
91	65.7	33.6	100.8
134	27.4	13.5	40.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 54.285 ug/l

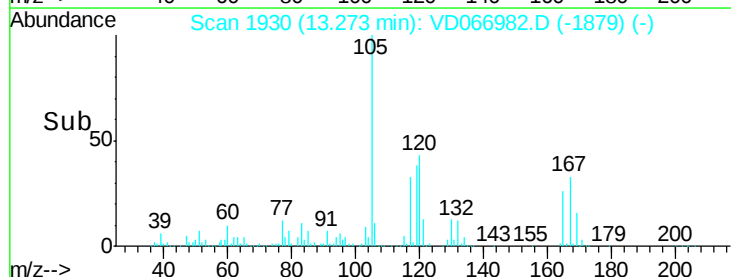
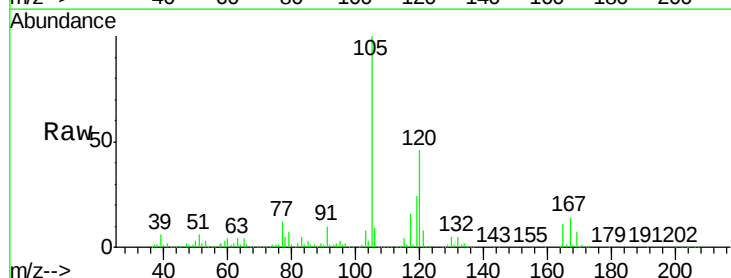
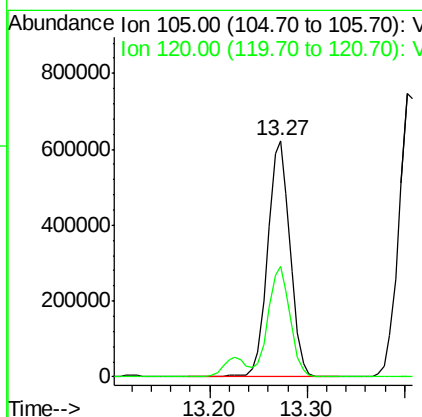
RT: 13.27 min Scan# 1930

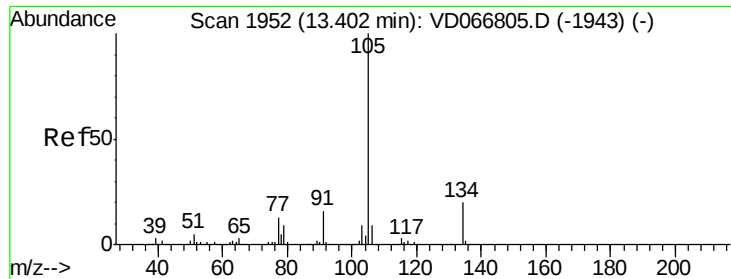
Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Tgt Ion:	105	Resp:	1003765
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.3	66.9





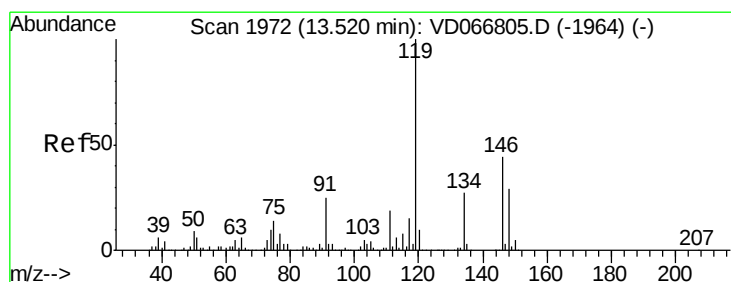
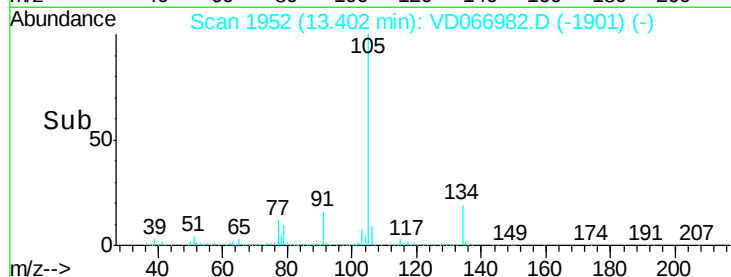
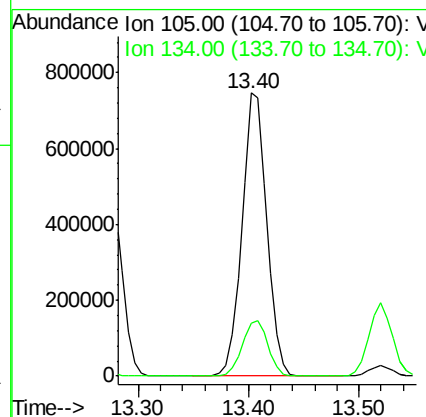
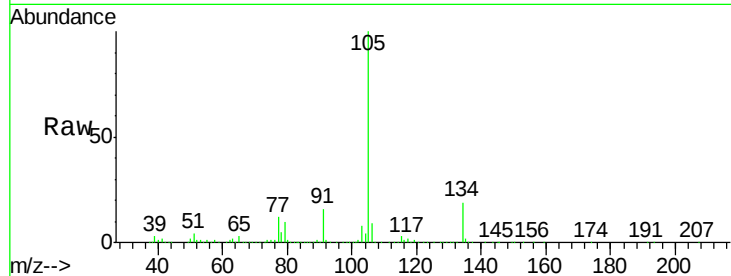
#85
 sec-Butylbenzene
 Concen: 53.161 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1171367
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.6

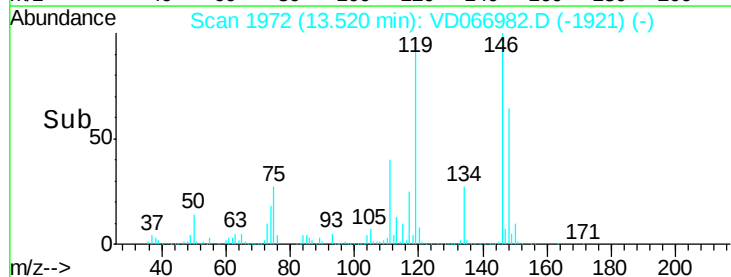
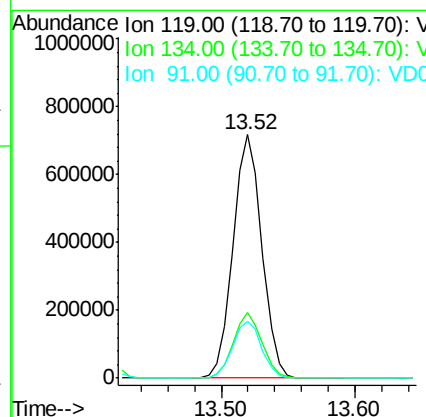
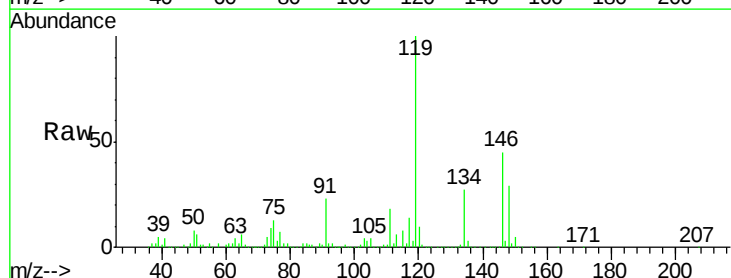
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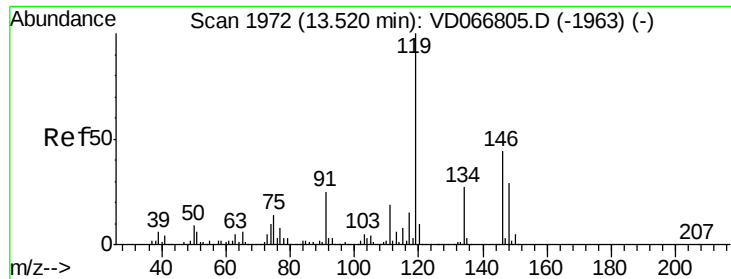
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#86
 p-Isopropyltoluene
 Concen: 54.364 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion:119 Resp: 1079740
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.0 38.9
 91 23.6 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 53.146 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

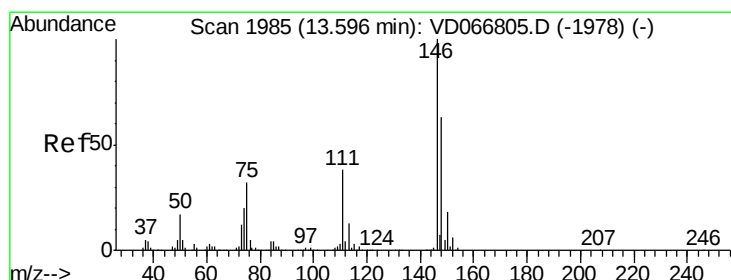
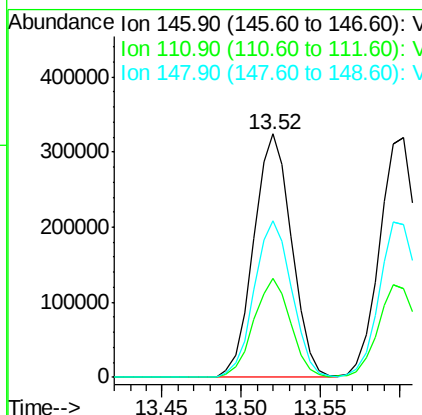
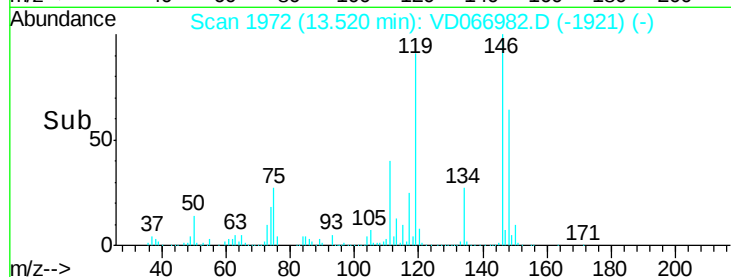
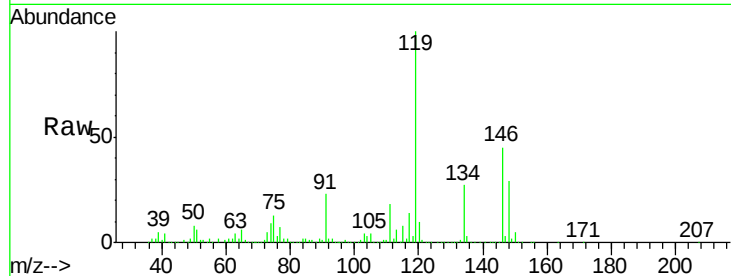
Instrument :
MSVOA_D

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	539663		
111	39.3	20.3	60.9	
148	63.9	31.9	95.5	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.884 ug/l

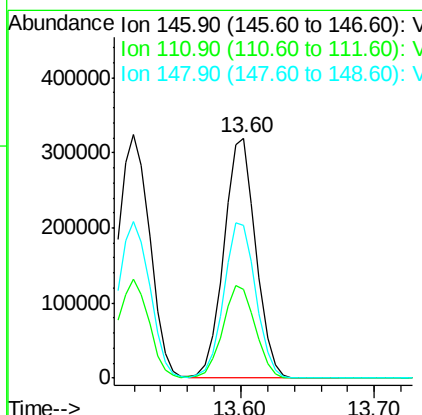
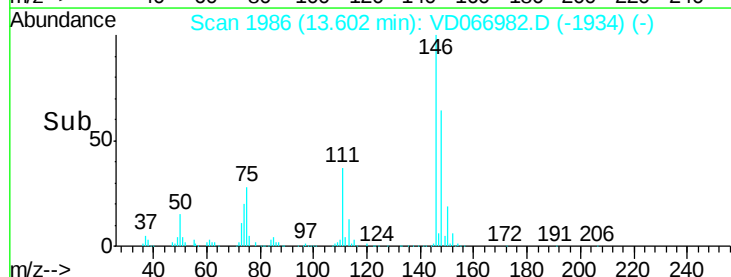
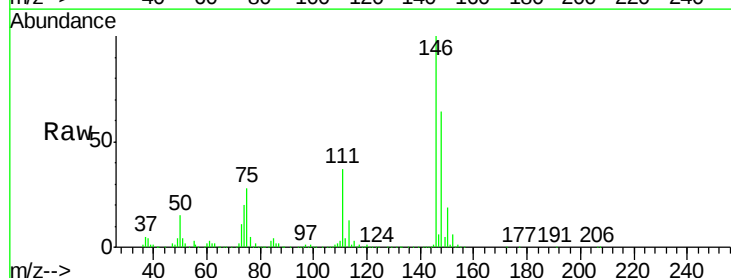
RT: 13.60 min Scan# 1986

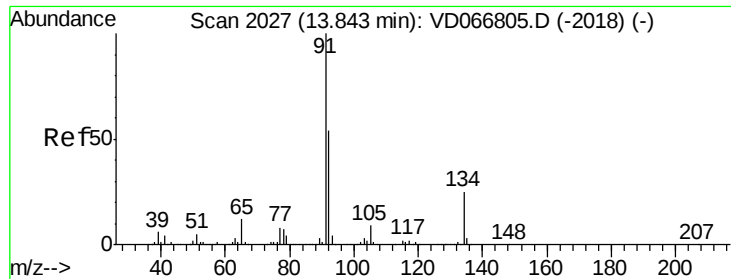
Delta R.T. 0.01 min

Lab File: VD066982.D

Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	533350		
111	39.2	20.2	60.5	
148	65.1	31.6	94.7	





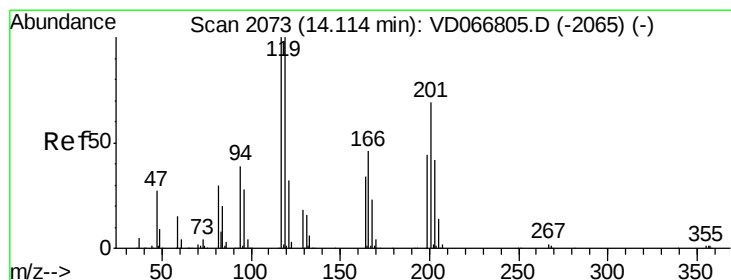
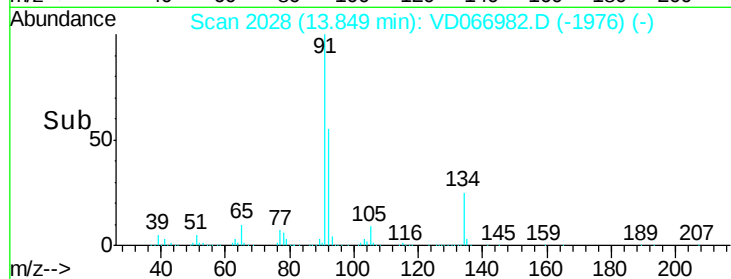
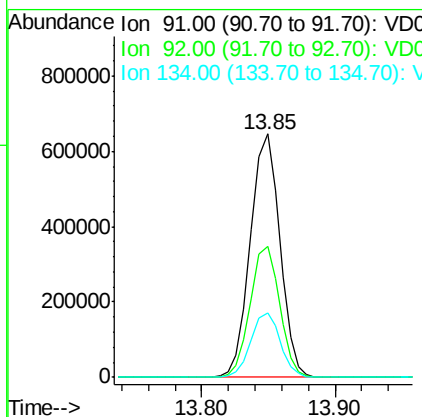
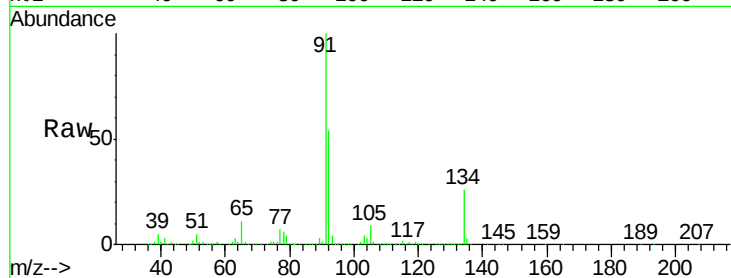
#89
n-Butylbenzene
Concen: 52.126 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	26.5	13.1	39.1

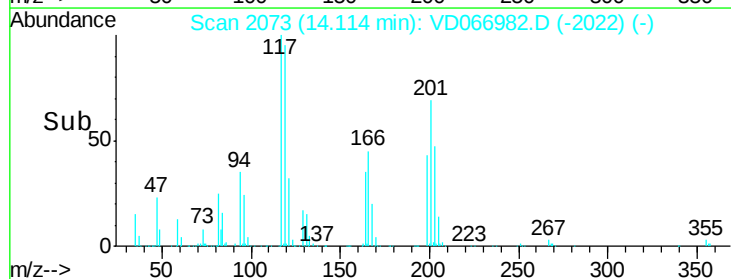
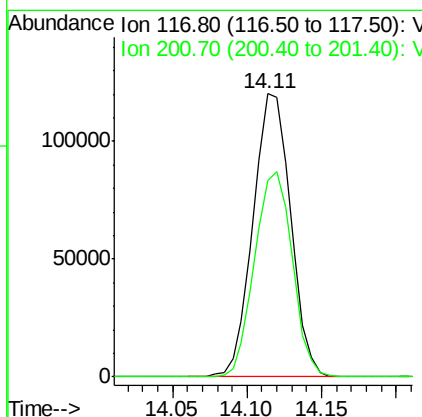
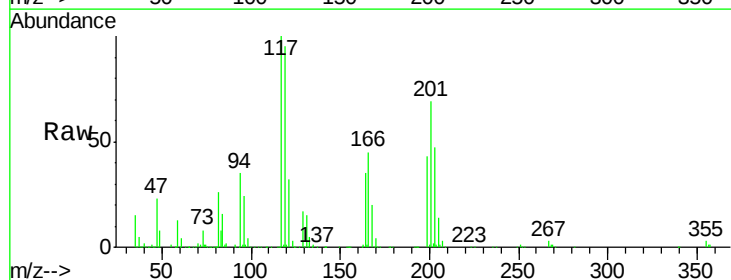
Manual Integrations
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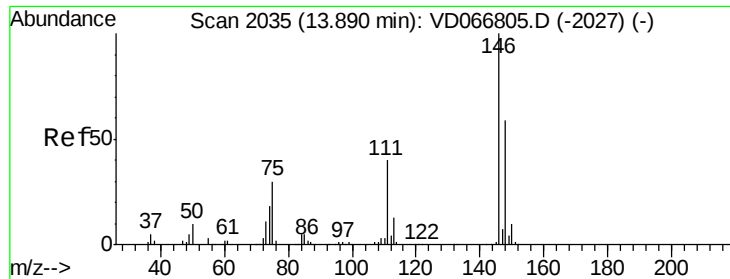
MMDadoda
10/1/2020 2:41:59 PM



#90
Hexachloroethane
Concen: 52.061 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.8	33.7	101.0





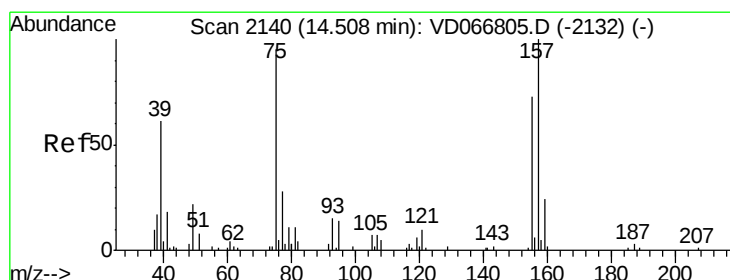
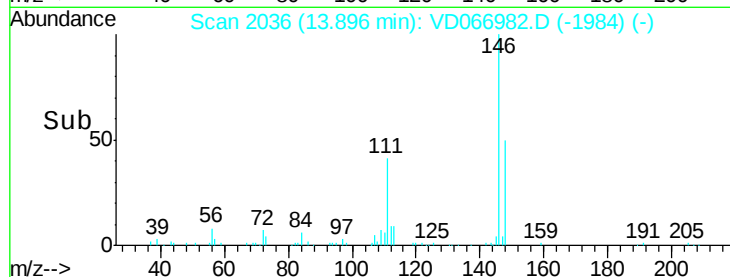
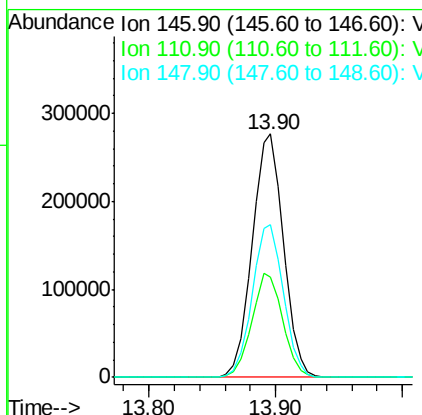
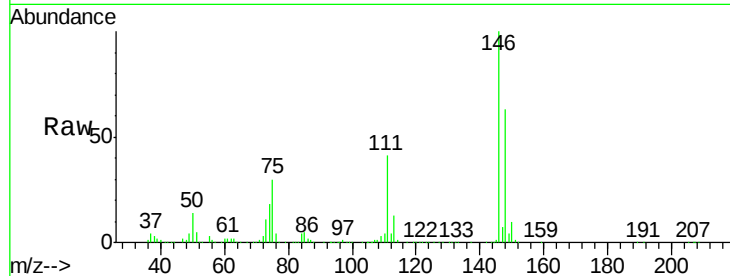
#91
 1,2-Dichlorobenzene
 Concen: 54.605 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.9	62.7
148	62.7	31.8	95.3

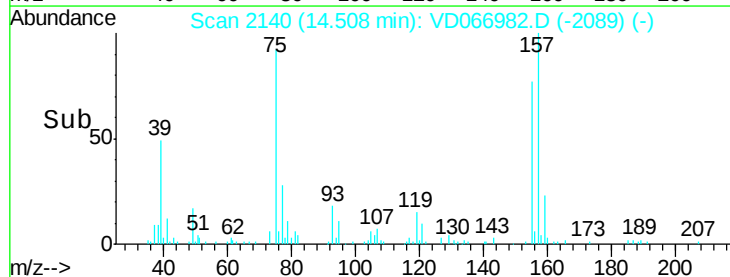
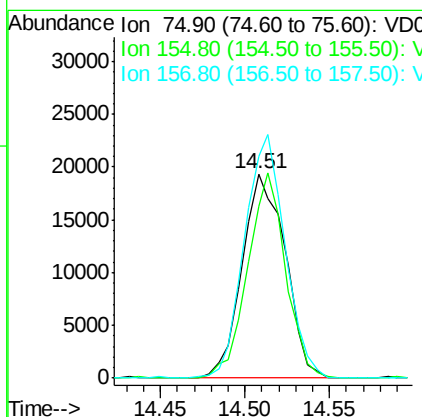
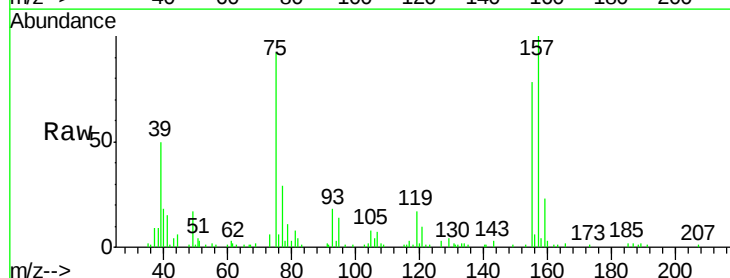
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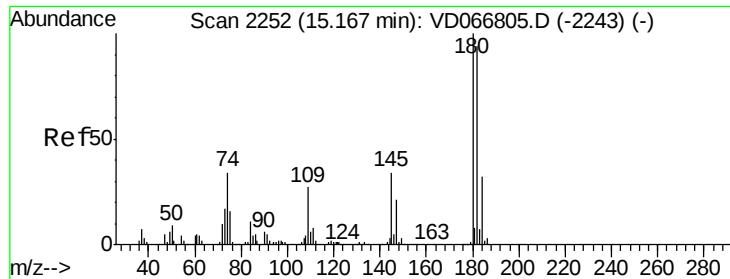
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.220 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.4	40.4	121.2
157	112.5	51.3	153.9





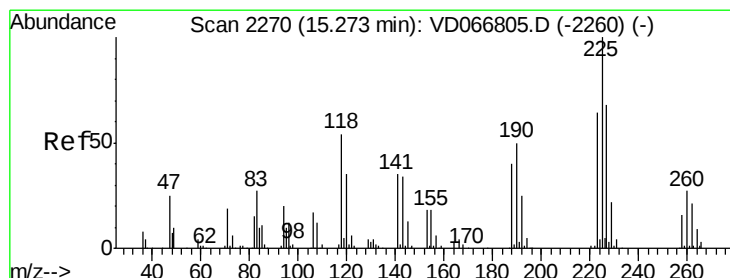
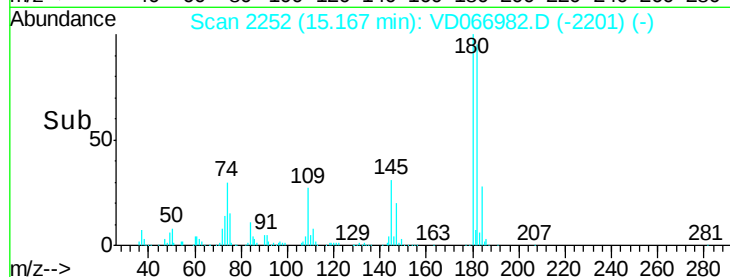
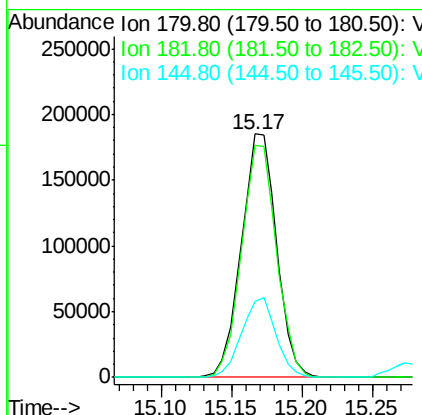
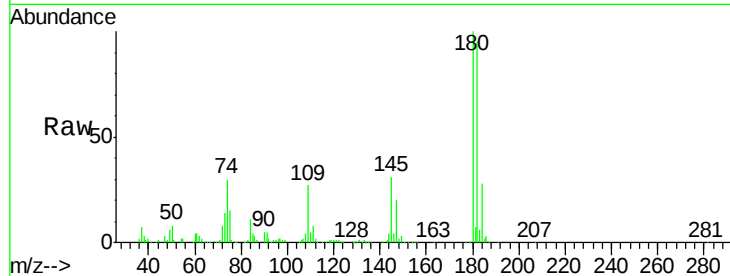
#93
 1,2,4-Trichlorobenzene
 Concen: 59.193 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	323718		
182	95.2	48.8	146.3	
145	32.0	16.7	50.0	

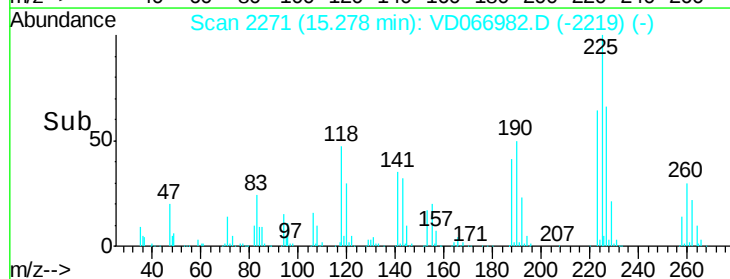
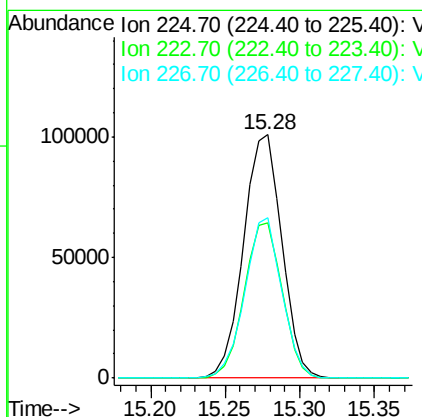
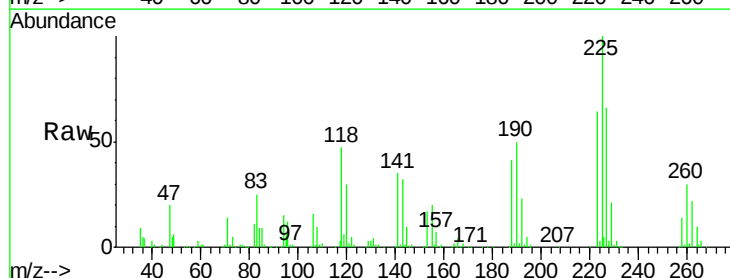
Manual Integrations
 APPROVED

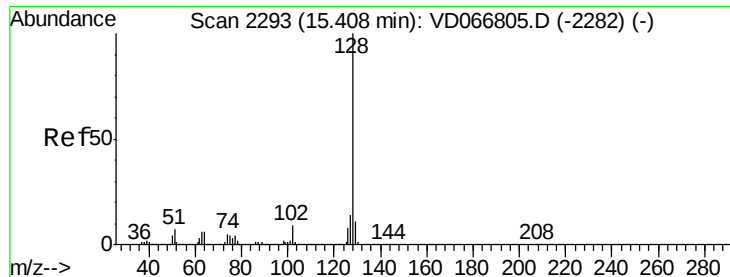
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#94
 Hexachlorobutadiene
 Concen: 54.763 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066982.D
 Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	179467		
223	62.9	31.1	93.3	
227	63.2	31.7	95.1	





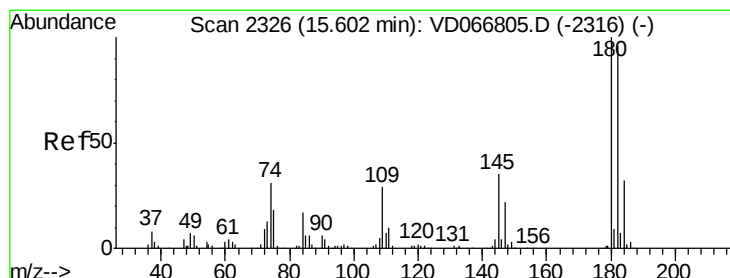
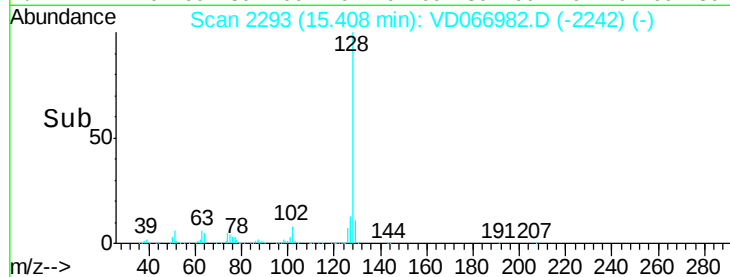
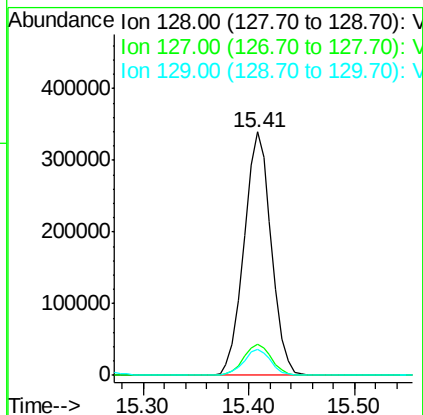
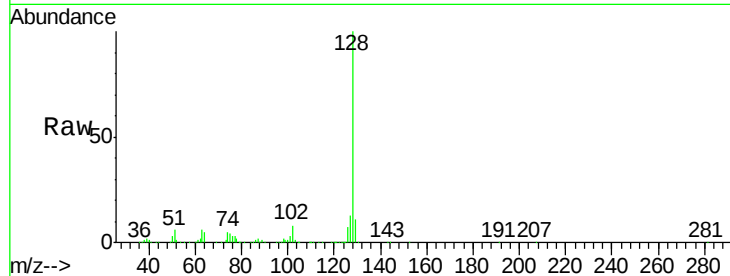
#95
Naphthalene
Concen: 65.323 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 59.934 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066982.D
Acq: 30 Sep 2020 19:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.8	140.3
145	33.9	17.0	51.0

