

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063993.D
 Acq On : 16 Oct 2019 18:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:49:52 AM

Quant Time: Oct 16 18:29:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	182919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	287521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	303070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	172068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	91751	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.92	113	91181	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.34	98	380776	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
62) 4-Bromofluorobenzene	12.64	95	132854	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52918	40.794	ug/l	92
3) Chloromethane	2.21	50	172585	49.181	ug/l	96
4) Vinyl Chloride	2.35	62	205169	48.935	ug/l	100
5) Bromomethane	2.76	94	125954	46.729	ug/l	98
6) Chloroethane	2.92	64	132596	47.821	ug/l	91
7) Trichlorofluoromethane	3.27	101	290404	52.388	ug/l	99
8) Diethyl Ether	3.70	74	41129	46.226	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	64509	42.041	ug/l	93
10) Methyl Iodide	4.29	142	79346	37.528	ug/l	99
11) Tert butyl alcohol	5.26	59	26349	211.746	ug/l	99
12) 1,1-Dichloroethene	4.06	96	62268	40.618	ug/l	93
13) Acrolein	3.92	56	29151	183.276	ug/l	92
14) Allyl chloride	4.71	41	113741	44.626	ug/l	99
15) Acrylonitrile	5.43	53	97316	248.083	ug/l	99
16) Acetone	4.17	43	93148	200.900	ug/l	92
17) Carbon Disulfide	4.40	76	208150	37.352	ug/l	97
18) Methyl Acetate	4.73	43	45554	50.233	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	179399	45.192	ug/l	97
20) Methylene Chloride	4.96	84	93205	45.004	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	90854	47.607	ug/l	98
22) Diisopropyl ether	6.37	45	253410	48.683	ug/l	97
23) Vinyl Acetate	6.31	43	757913	244.758	ug/l	98
24) 1,1-Dichloroethane	6.27	63	154007	48.033	ug/l	95
25) 2-Butanone	7.23	43	129454	235.594	ug/l	95
26) 2,2-Dichloropropane	7.21	77	131487	45.335	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	103313	47.828	ug/l	98
28) Bromochloromethane	7.56	49	70217	57.320	ug/l	98
29) Tetrahydrofuran	7.57	42	74294	231.647	ug/l	98
30) Chloroform	7.71	83	171344	49.203	ug/l	94
31) Cyclohexane	7.99	56	140232	53.152	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	144578	48.399	ug/l	98
36) 1,1-Dichloropropene	8.11	75	129476	49.251	ug/l	98
37) Ethyl Acetate	7.30	43	52171	49.447	ug/l	96
38) Carbon Tetrachloride	8.10	117	131128	49.360	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159970	49.490	ug/l	95
40) Benzene	8.35	78	374268	49.680	ug/l	98
41) Methacrylonitrile	7.53	41	32819	53.846	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	103963	47.707	ug/l	100
43) Isopropyl Acetate	8.46	43	101752	46.153	ug/l	98
44) Trichloroethene	9.11	130	103902	47.829	ug/l	86
45) 1,2-Dichloropropane	9.39	63	89824	48.713	ug/l	92
46) Dibromomethane	9.48	93	52832	50.309	ug/l	97
47) Bromodichloromethane	9.67	83	132331	48.943	ug/l	99
48) Methyl methacrylate	9.46	41	45848	43.403	ug/l	93
49) 1,4-Dioxane	9.47	88	15273	1065.466	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	281525	246.220	ug/l	97
52) Toluene	10.41	92	261916	50.645	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	127751	48.420	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	148966	49.050	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	76823	51.810	ug/l	92
56) Ethyl methacrylate	10.67	69	91639	48.803	ug/l	96
57) 1,3-Dichloropropane	10.95	76	128162	50.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	215238	266.675	ug/l	99
59) 2-Hexanone	10.99	43	206116	249.205	ug/l	98
60) Dibromochloromethane	11.14	129	99385	51.484	ug/l	96
61) 1,2-Dibromoethane	11.25	107	73549	51.165	ug/l	99
64) Tetrachloroethene	10.88	164	98845	47.775	ug/l	94
65) Chlorobenzene	11.67	112	293849	48.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	108456	48.359	ug/l	100
67) Ethyl Benzene	11.75	91	525238	47.857	ug/l	97
68) m/p-Xylenes	11.86	106	419582	99.048	ug/l	99
69) o-Xylene	12.18	106	198136	48.847	ug/l	96
70) Styrene	12.20	104	345269	50.281	ug/l	99
71) Bromoform	12.36	173	61170	50.822	ug/l #	97
73) Isopropylbenzene	12.48	105	531686	45.965	ug/l	98
74) N-amyl acetate	12.29	43	105305	42.283	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	89271	44.350	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	50230m	43.585	ug/l	
77) Bromobenzene	12.76	156	132173	45.863	ug/l	96
78) n-propylbenzene	12.83	91	634914	46.762	ug/l	100
79) 2-Chlorotoluene	12.91	91	337242	45.046	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	453412	46.984	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	26400	40.537	ug/l	98
82) 4-Chlorotoluene	13.01	91	357343	44.995	ug/l	99
83) tert-Butylbenzene	13.23	119	401331	46.729	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	462903	46.529	ug/l	99
85) sec-Butylbenzene	13.41	105	558656	48.166	ug/l	98
86) p-Isopropyltoluene	13.52	119	530128	48.302	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	273928	48.105	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	267604	47.636	ug/l	96
89) n-Butylbenzene	13.85	91	488378	47.805	ug/l	99
90) Hexachloroethane	14.11	117	94009	47.624	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	234095	47.704	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14264	45.383	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	178050	47.022	ug/l	100
94) Hexachlorobutadiene	15.27	225	101056	48.364	ug/l	95
95) Naphthalene	15.41	128	307390	48.300	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	154327	47.239	ug/l	99

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

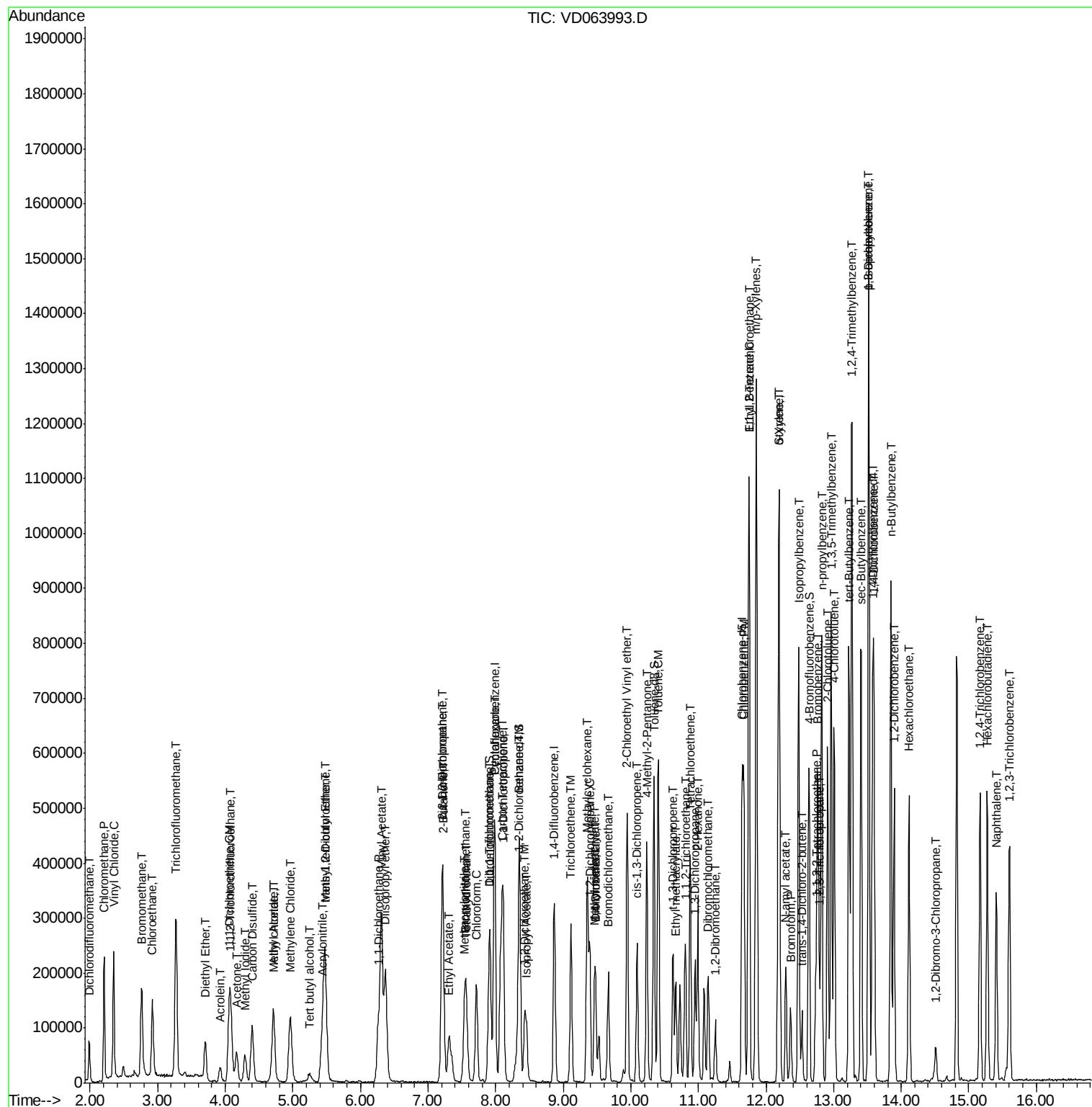
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101619\
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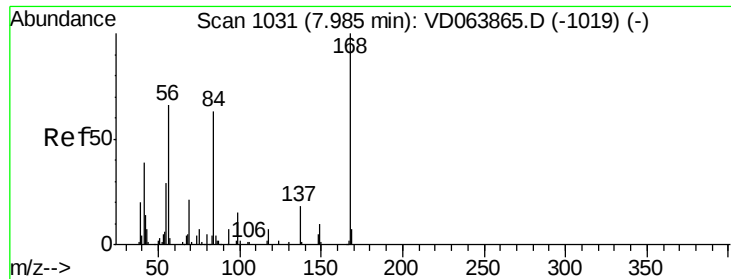
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 182919

Ion Ratio Lower Upper

168 100

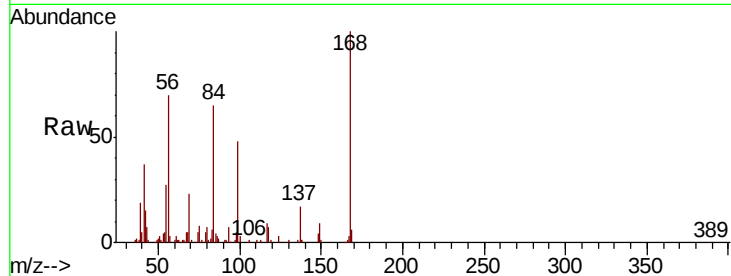
99 48.2 43.0 64.4

Manual Integrations

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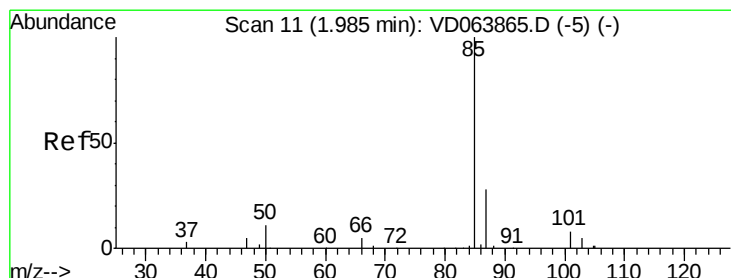
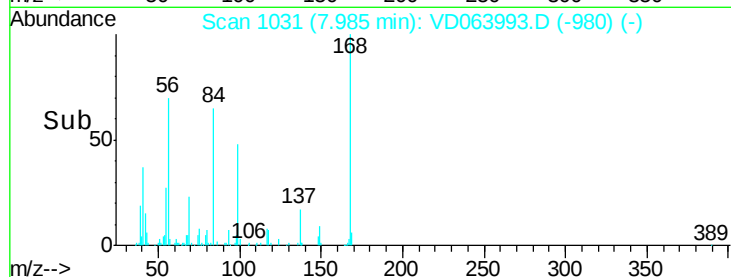
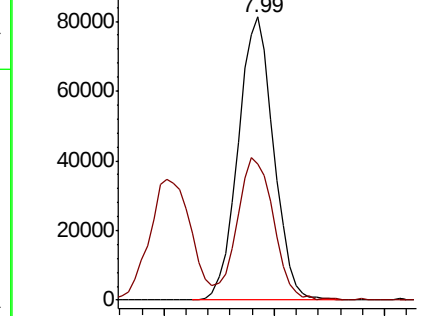
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10/18/2019 12:49:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.794 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063993.D

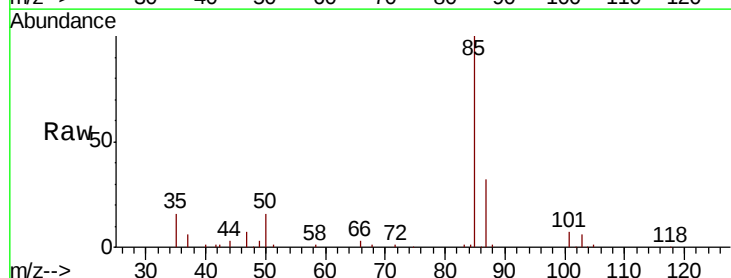
Acq: 16 Oct 2019 18:07

Tgt Ion: 85 Resp: 52918

Ion Ratio Lower Upper

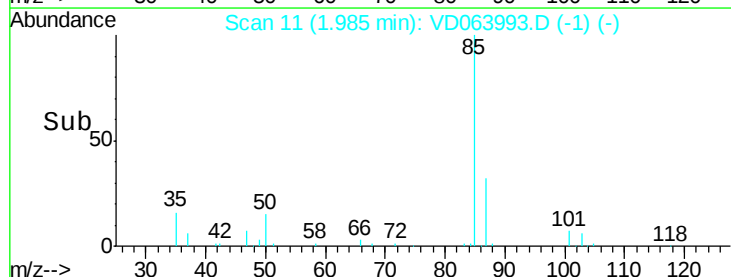
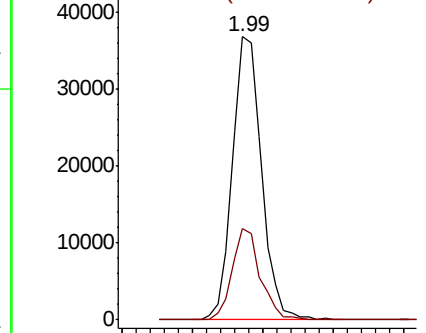
85 100

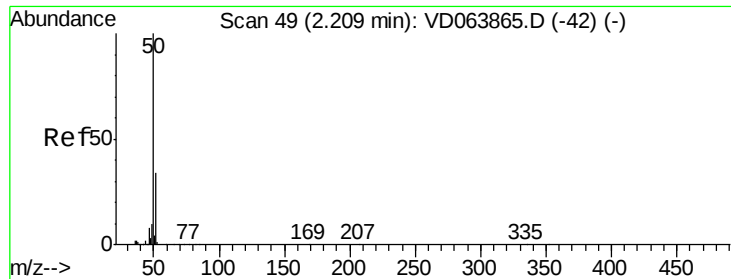
87 32.3 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.181 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 172585

Ion Ratio Lower Upper

50 100

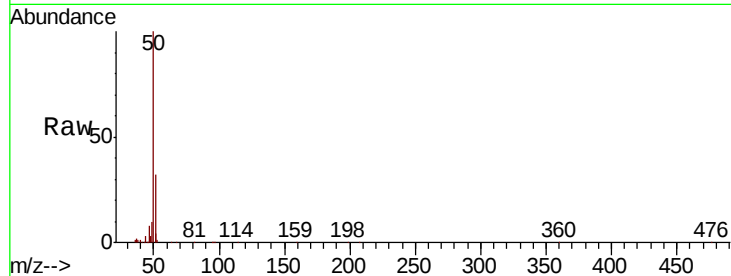
52 31.9 27.5 41.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

150000

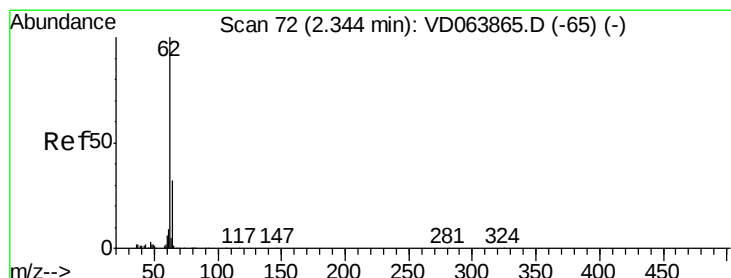
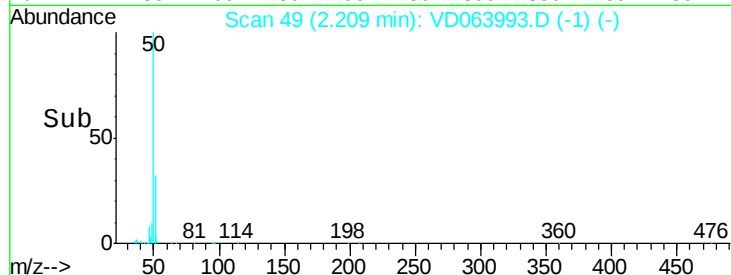
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 48.935 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063993.D

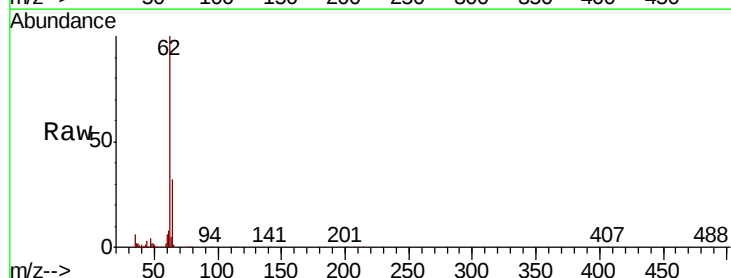
Acq: 16 Oct 2019 18:07

Tgt Ion: 62 Resp: 205169

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

150000

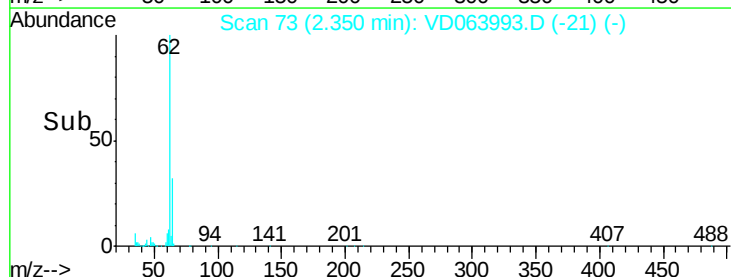
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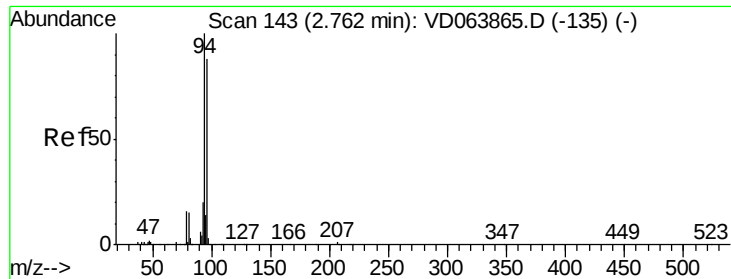
50000

0

2.25 2.30 2.35 2.40 2.45

Time-->





#5

Bromomethane

Concen: 46.729 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 125954

Ion Ratio Lower Upper

94 100

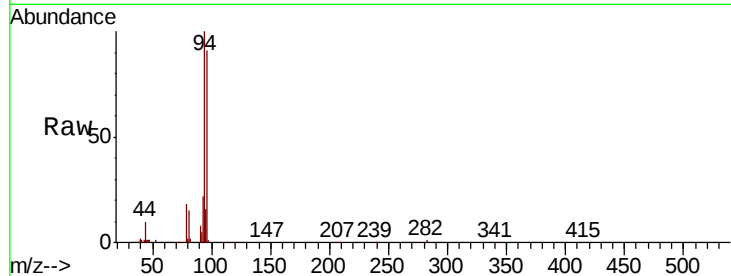
96 90.4 70.8 106.2

Manual Integrations

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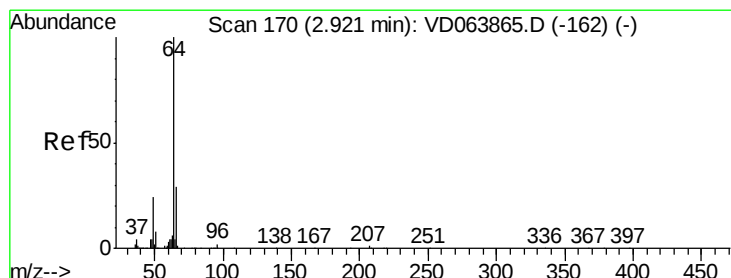
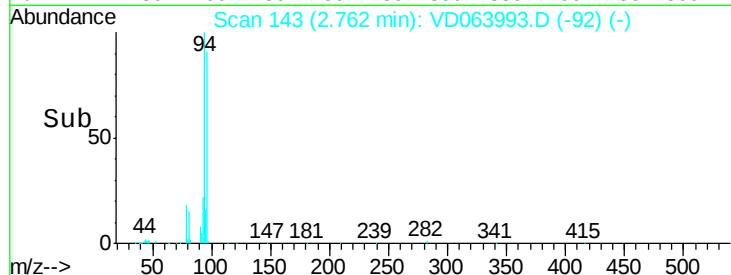
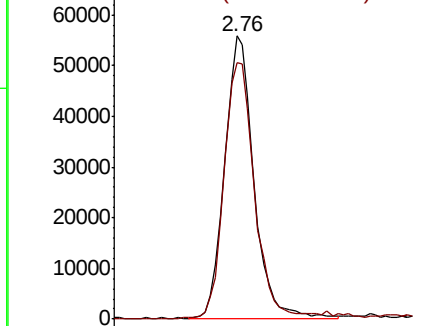
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.821 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063993.D

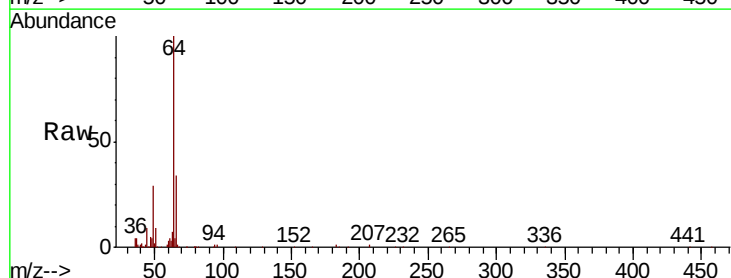
Acq: 16 Oct 2019 18:07

Tgt Ion: 64 Resp: 132596

Ion Ratio Lower Upper

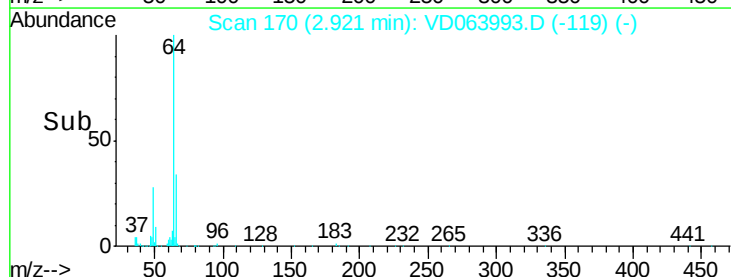
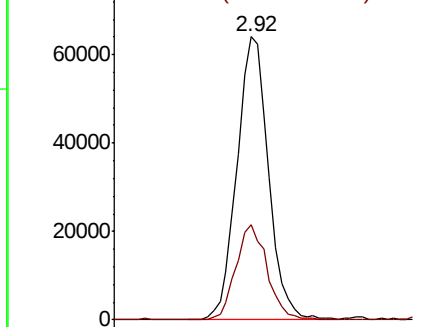
64 100

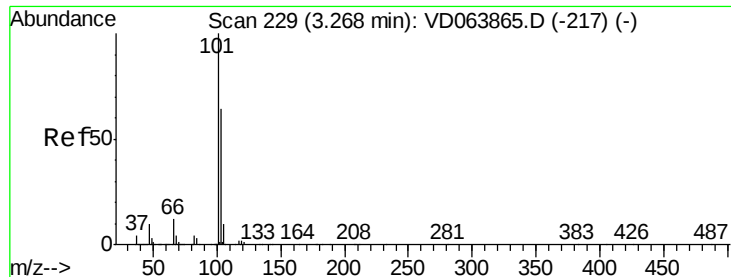
66 33.5 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

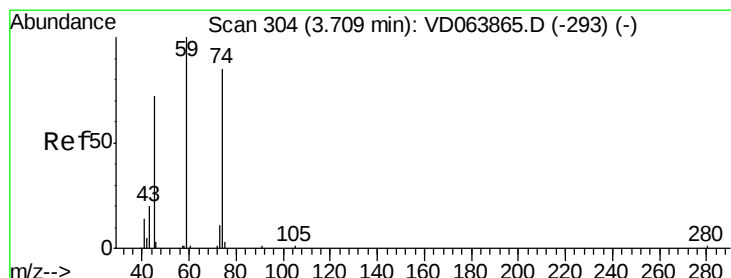
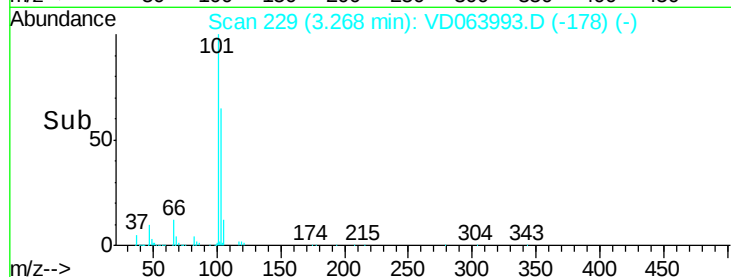
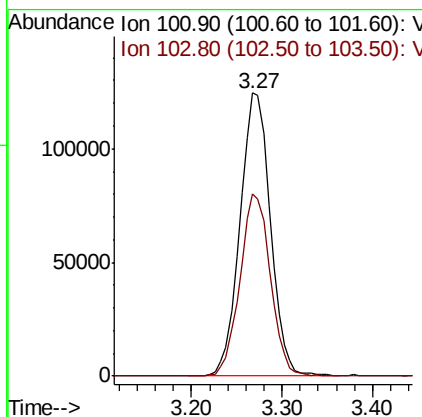
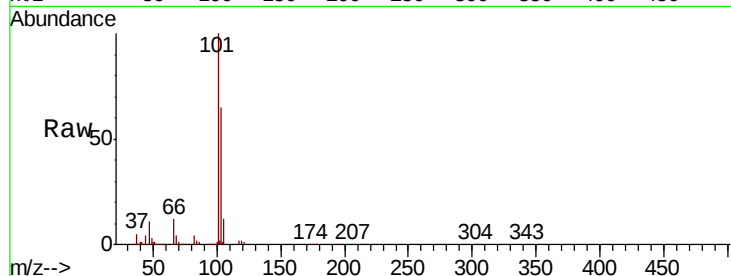
Trichlorofluoromethane
Concen: 52.388 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.1	76.7

Manual Integrations
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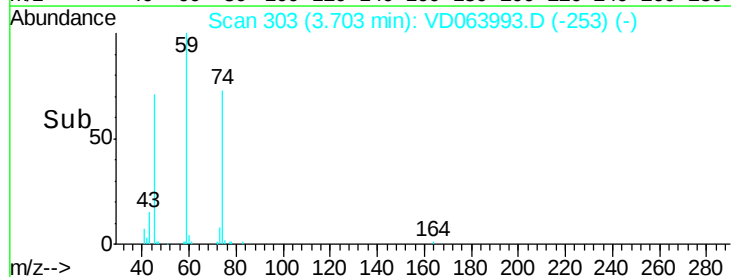
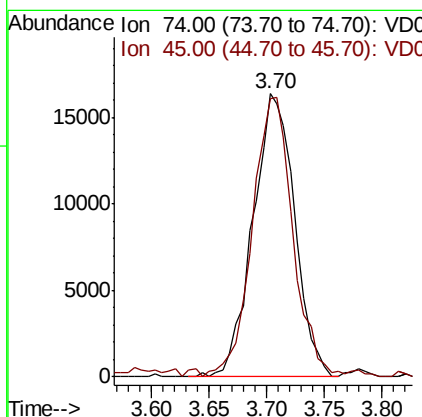
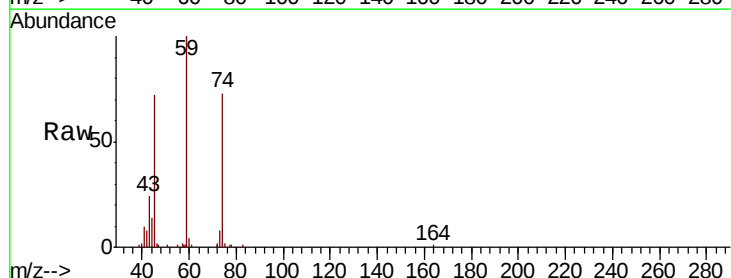
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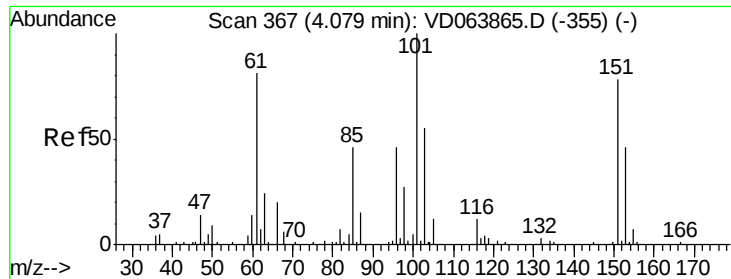


#8

Diethyl Ether
Concen: 46.226 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.041 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

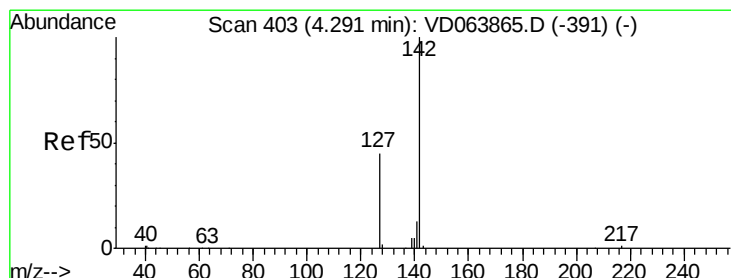
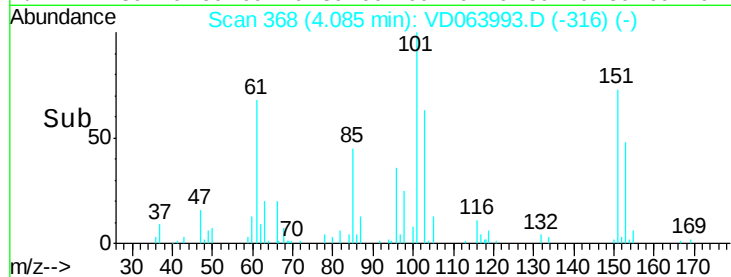
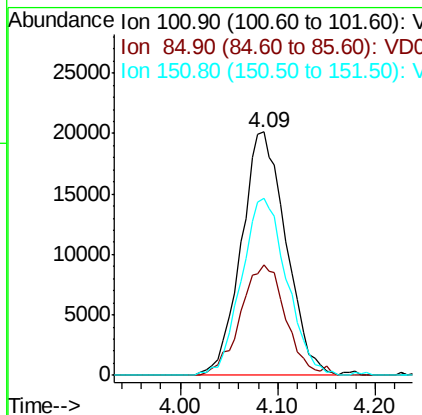
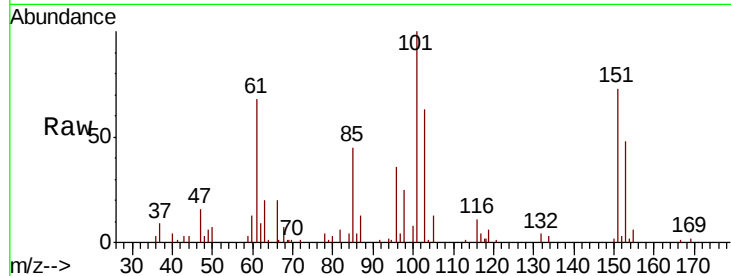
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	64509
Ion Ratio	Lower	Upper	
101	100		
85	45.3	37.5	56.3
151	73.7	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 37.528 ug/l

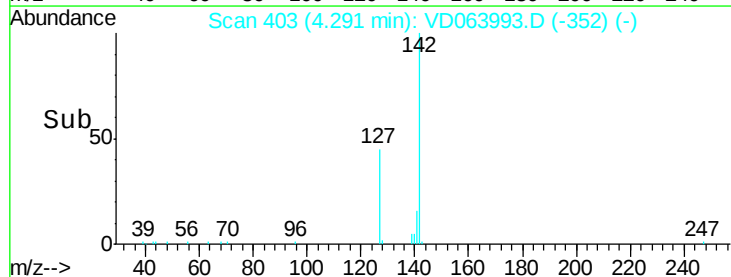
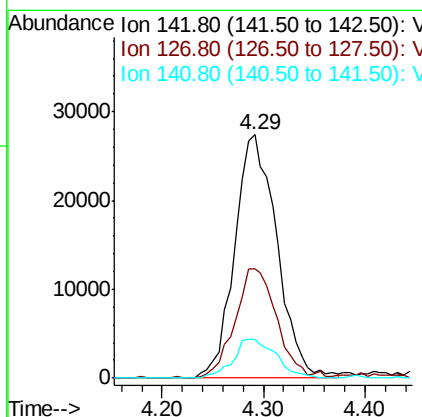
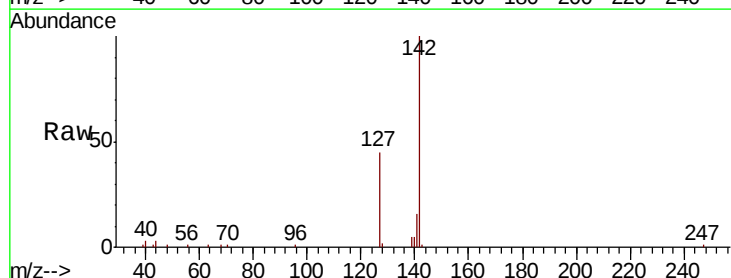
RT: 4.29 min Scan# 403

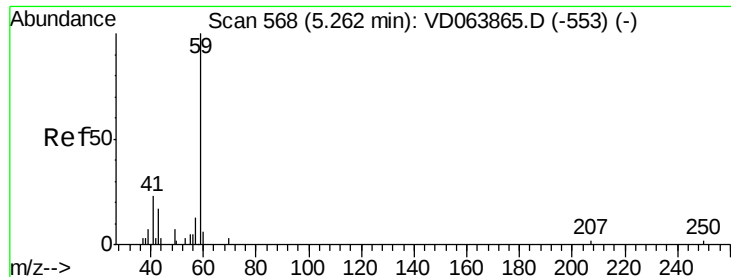
Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Tgt Ion:	142	Resp:	79346
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.3	52.9
141	16.2	12.2	18.2





#11

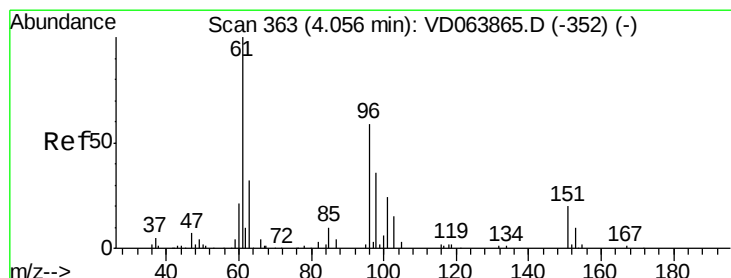
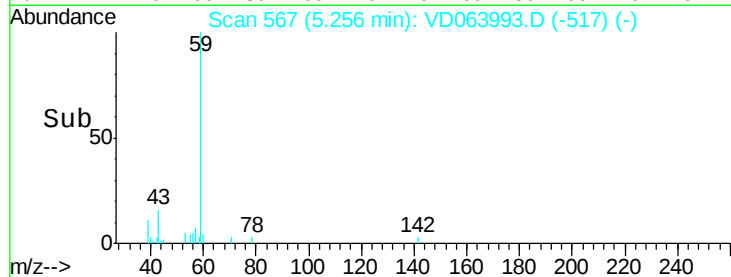
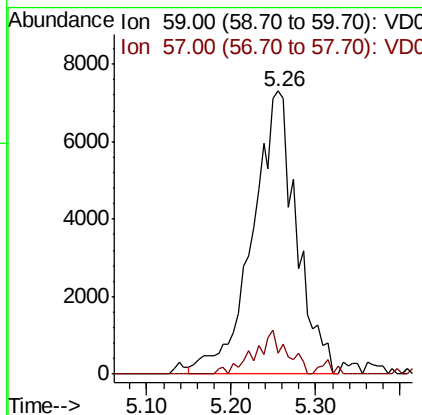
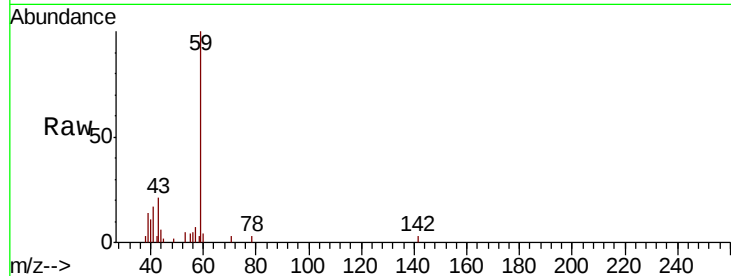
Tert butyl alcohol
Concen: 211.746 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.8	13.2

Manual Integrations
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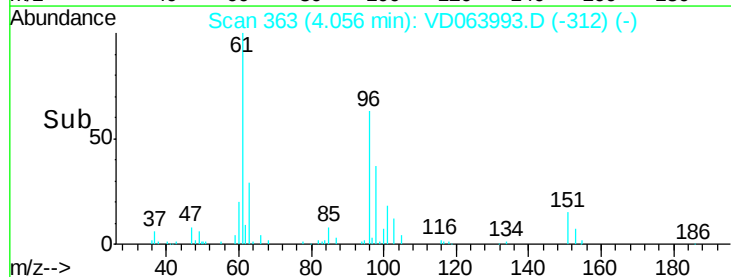
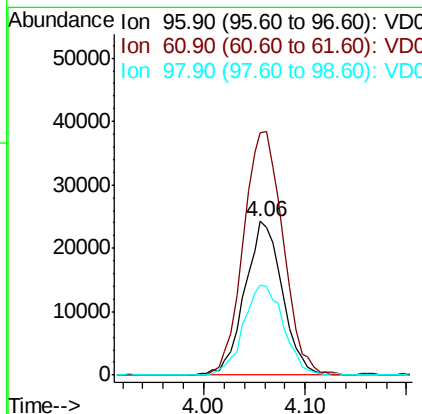
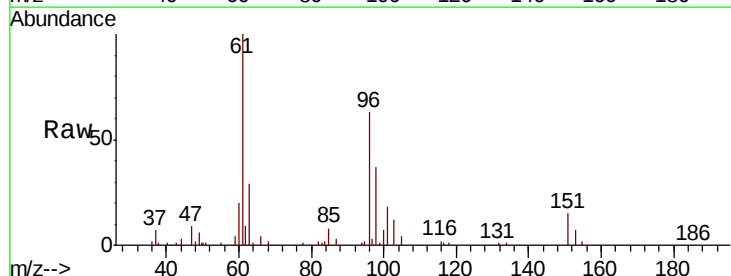
MMDadoda
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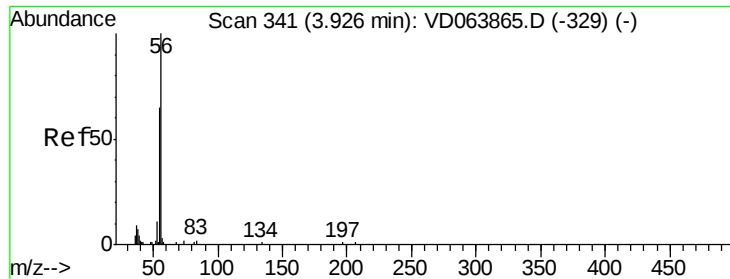


#12

1,1-Dichloroethene
Concen: 40.618 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	135.6	203.4
98	58.8	49.2	73.8





#13

Acrolein

Concen: 183.276 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 29151

Ion Ratio Lower Upper

56 100

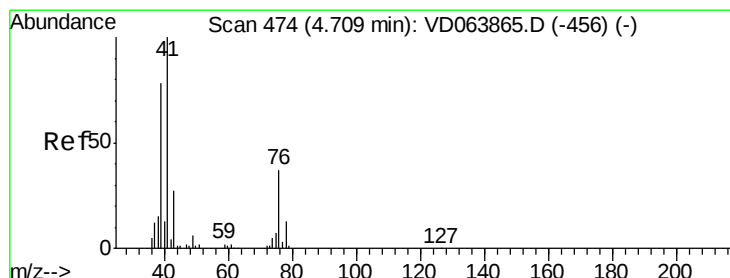
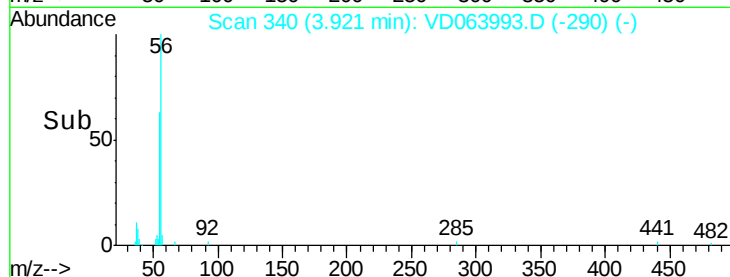
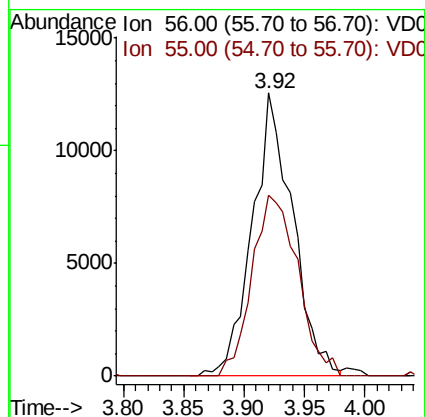
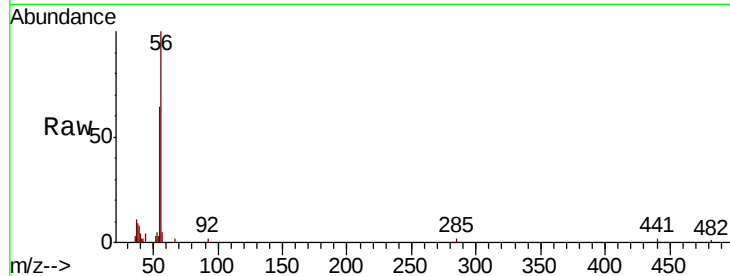
55 72.6 53.0 79.6

Manual Integrations

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#14

Allyl chloride

Concen: 44.626 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

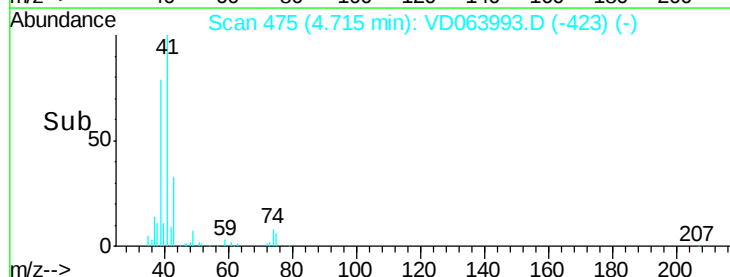
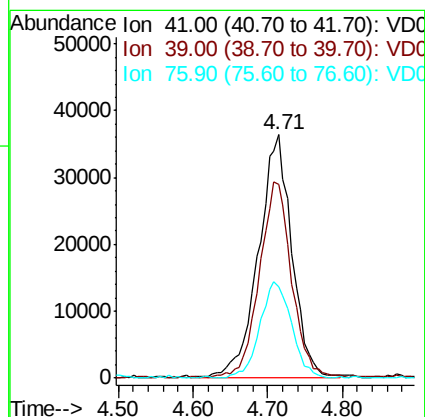
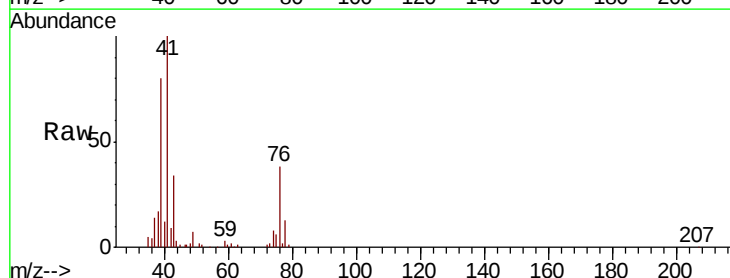
Tgt Ion: 41 Resp: 113741

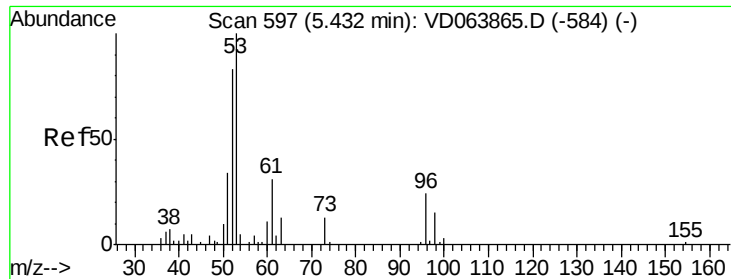
Ion Ratio Lower Upper

41 100

39 77.6 61.8 92.6

76 37.2 31.3 46.9





#15

Acrylonitrile

Concen: 248.083 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

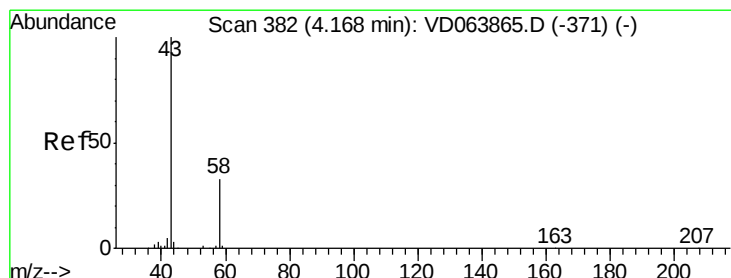
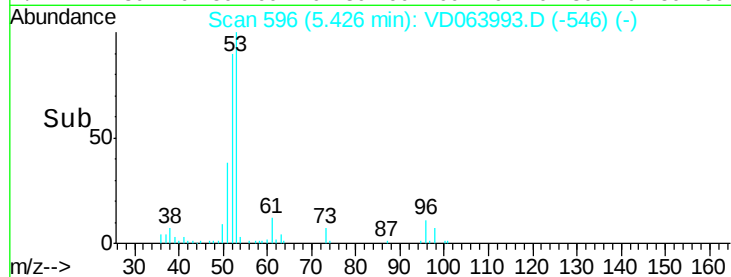
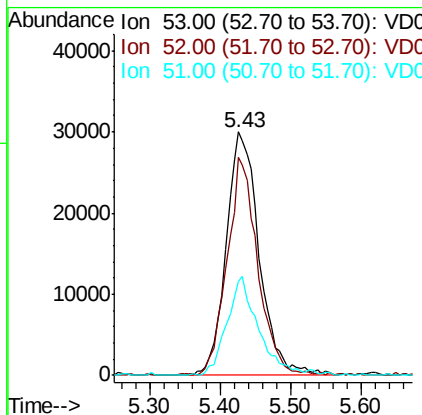
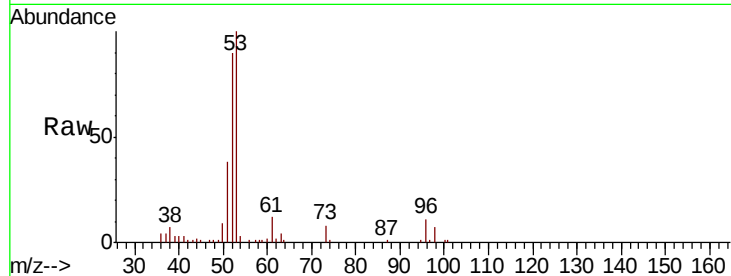
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	97316
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.3	100.9
51	38.4	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 200.900 ug/l

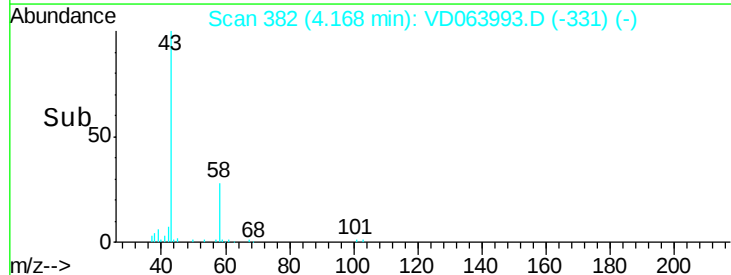
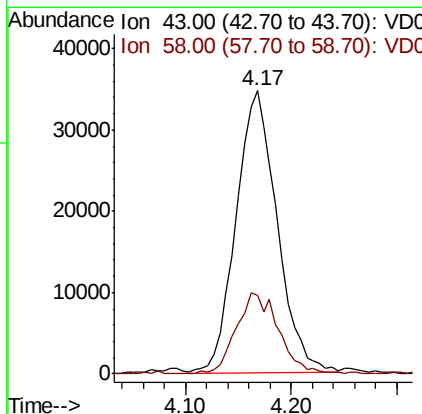
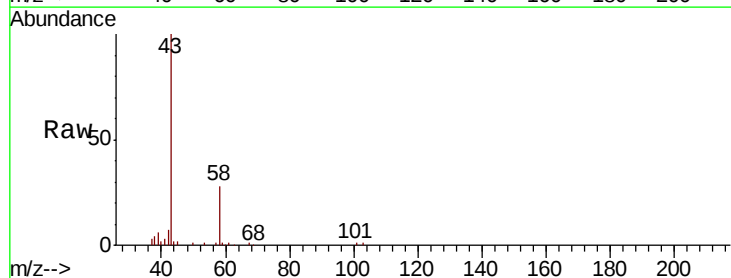
RT: 4.17 min Scan# 382

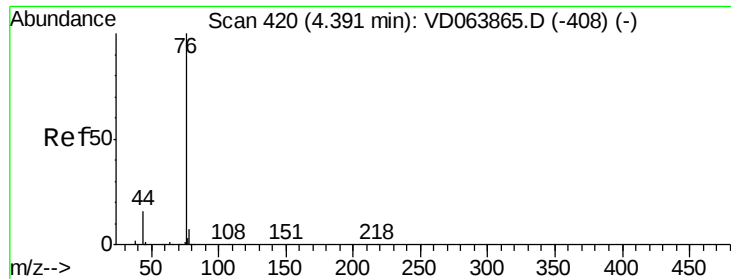
Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Tgt Ion:	43	Resp:	93148
Ion	Ratio	Lower	Upper
43	100		
58	28.1	26.2	39.4





#17

Carbon Disulfide

Concen: 37.352 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 208150

Ion Ratio Lower Upper

76 100

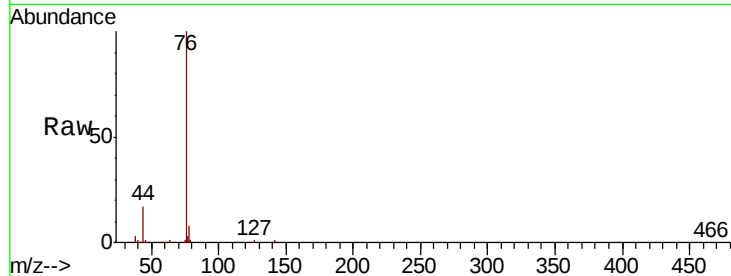
78 8.5 5.8 8.8

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

80000

60000

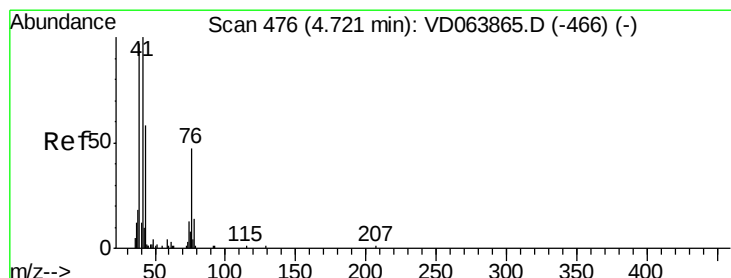
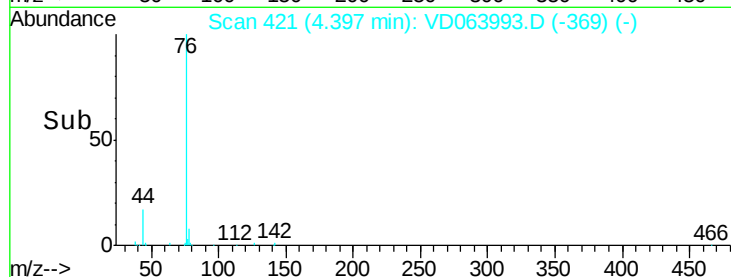
40000

20000

0

4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 50.233 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD063993.D

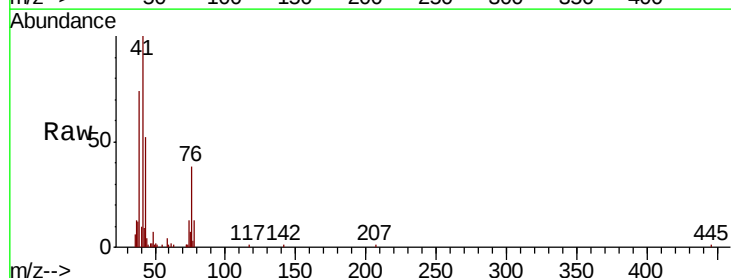
Acq: 16 Oct 2019 18:07

Tgt Ion: 43 Resp: 45554

Ion Ratio Lower Upper

43 100

74 23.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

15000

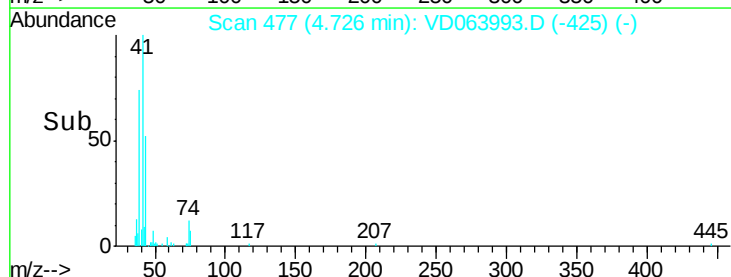
10000

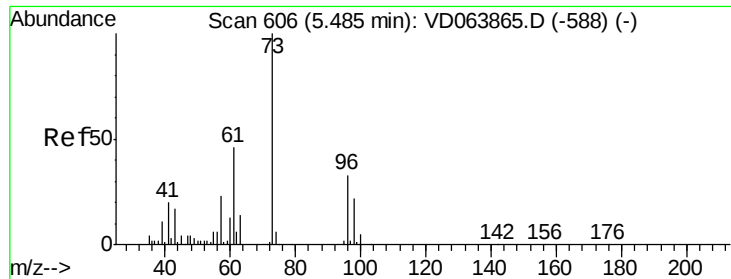
5000

0

4.60 4.70 4.80

Time-->





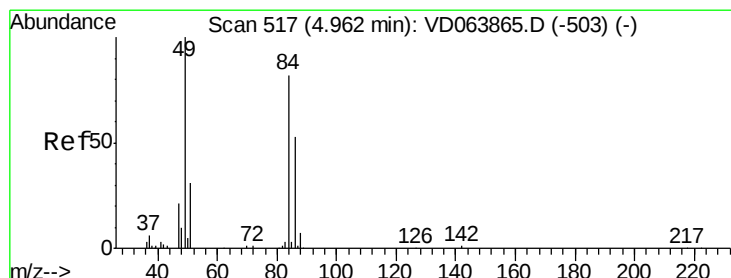
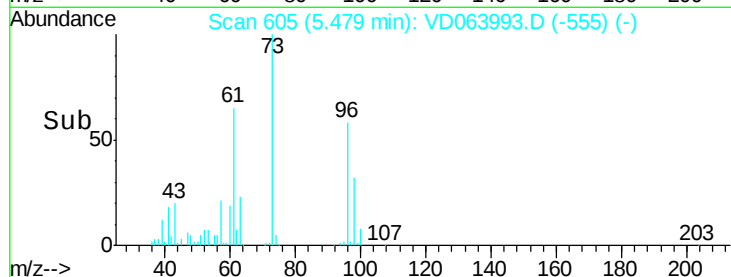
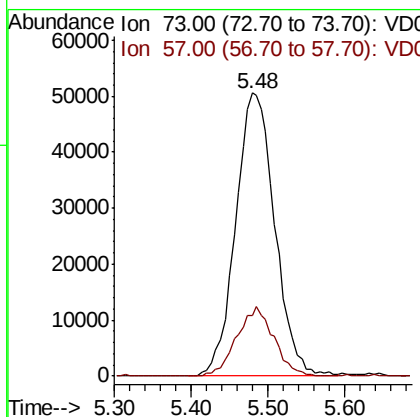
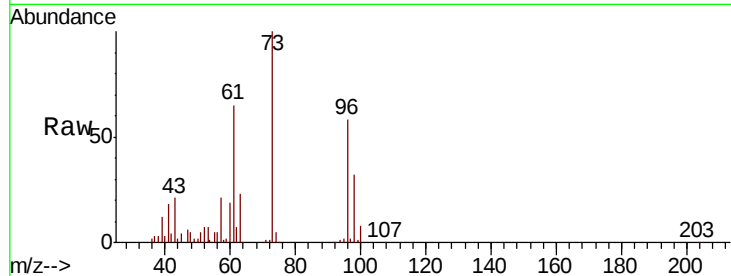
#19
Methvl tert-butvl Ether
Concen: 45.192 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	179399
Ion Ratio	Lower	Upper	
73	100		
57	21.4	18.1	27.1

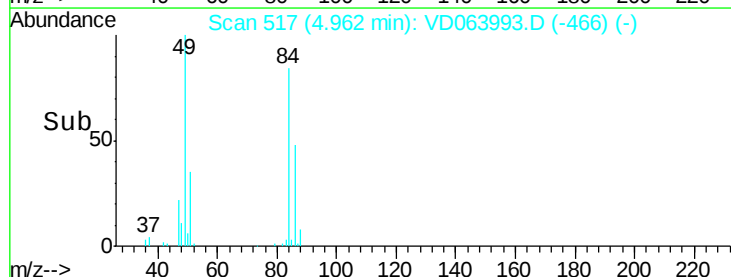
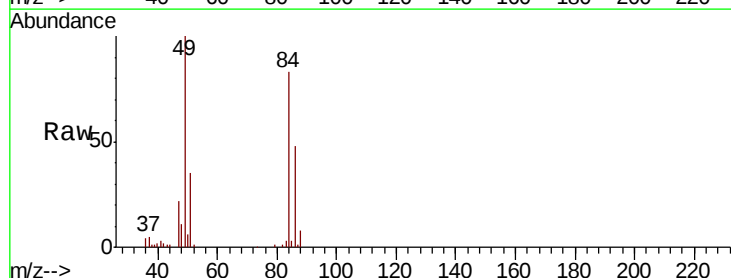
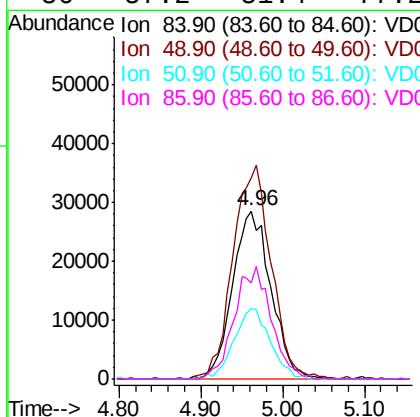
Manual Integrations
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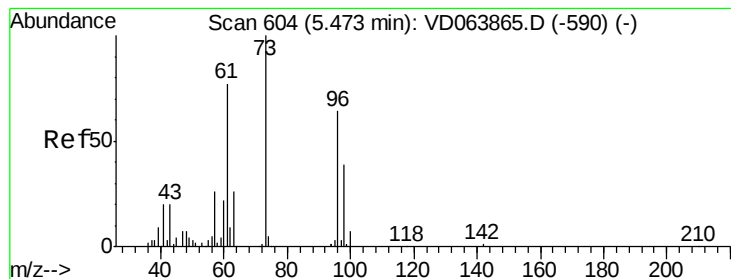
MMDadoda
10/18/2019 12:49:52 AM



#20
Methylene Chloride
Concen: 45.004 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	84	Resp	93205
Ion Ratio	Lower	Upper	
84	100		
49	119.8	97.3	145.9
51	41.9	30.1	45.1
86	57.2	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 47.607 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

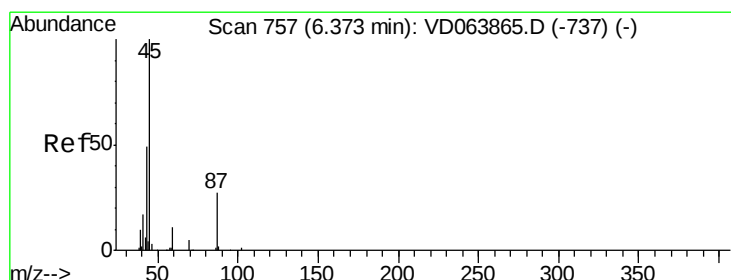
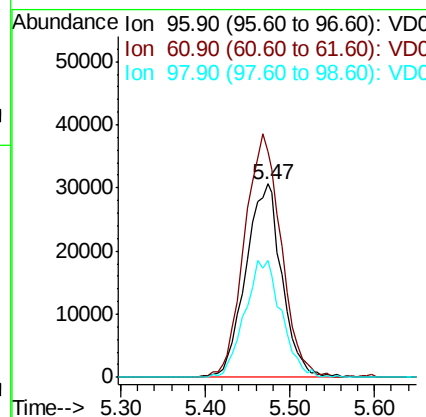
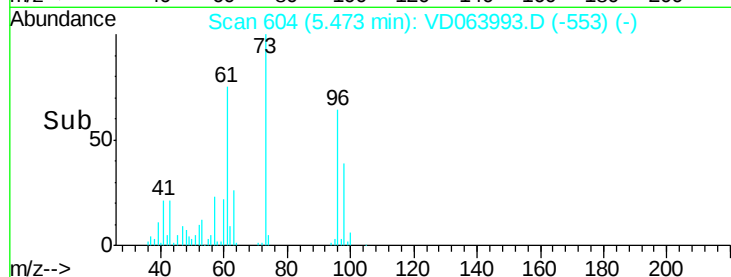
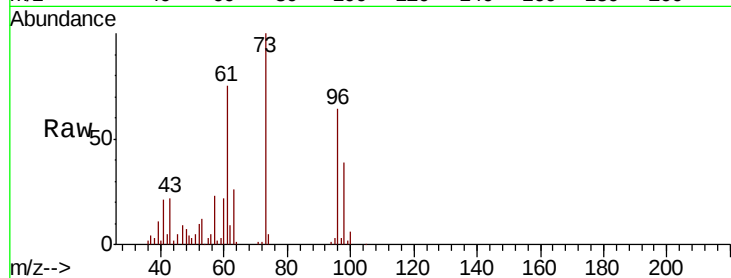
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	90854
Ion	Ratio	Lower	Upper
96	100		
61	116.8	96.6	145.0
98	60.7	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.683 ug/l

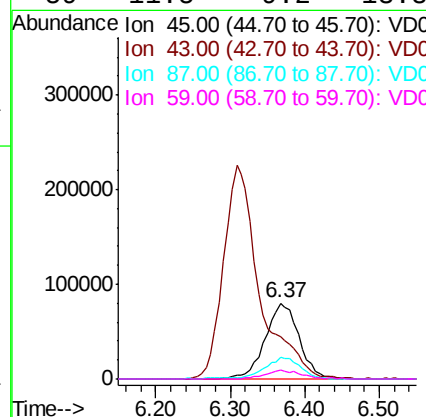
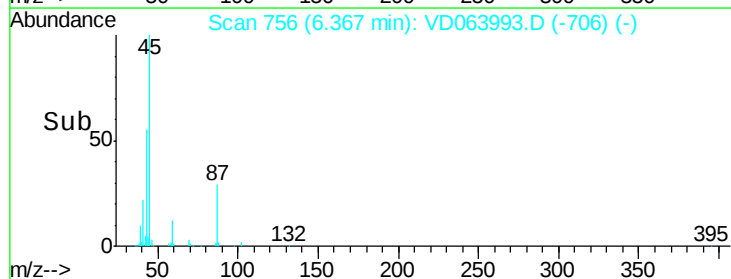
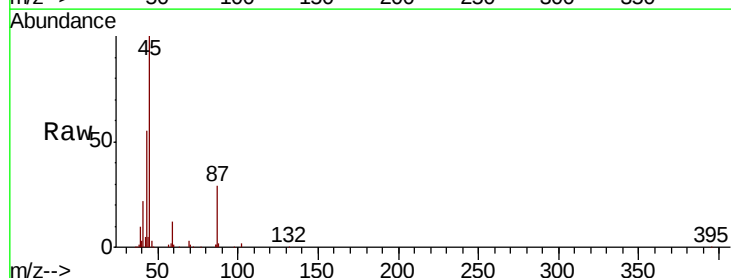
RT: 6.37 min Scan# 756

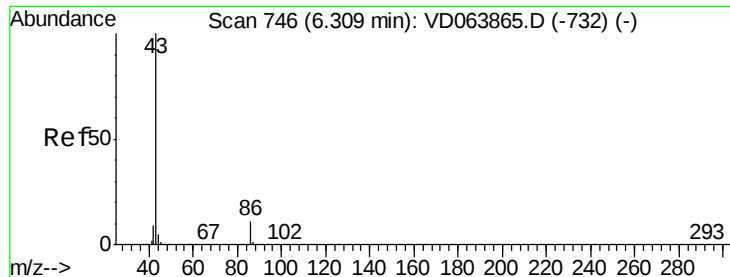
Delta R.T. -0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Tgt Ion:	45	Resp:	253410
Ion	Ratio	Lower	Upper
45	100		
43	54.0	41.2	61.8
87	28.7	22.2	33.4
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 244.758 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 757913

Ion Ratio Lower Upper

43 100

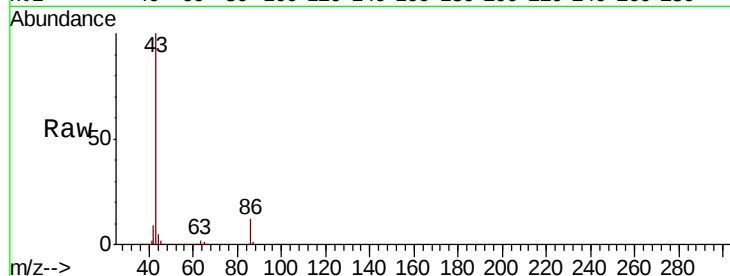
86 11.7 8.8 13.2

Manual Integrations

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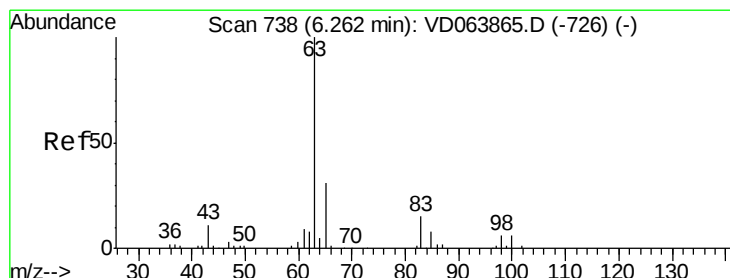
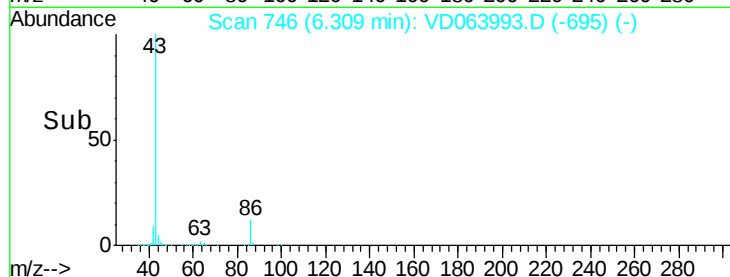
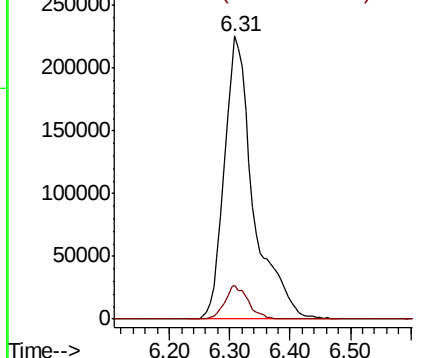
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.033 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

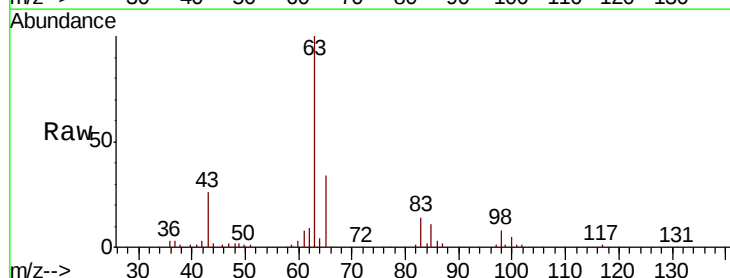
Tgt Ion: 63 Resp: 154007

Ion Ratio Lower Upper

63 100

98 8.4 3.1 9.4

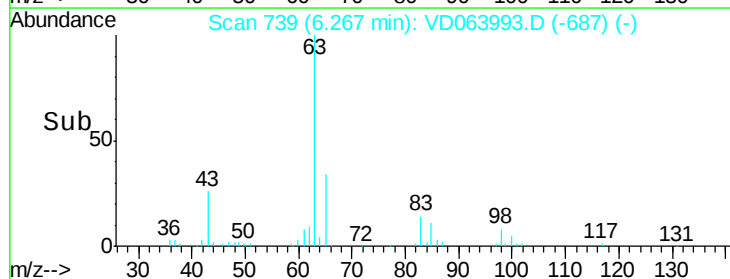
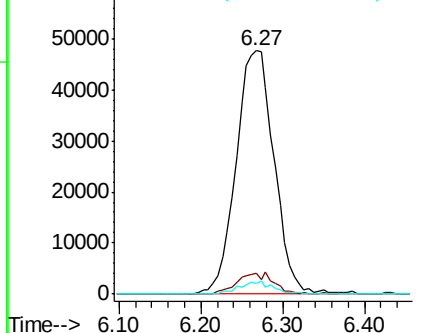
100 4.5 3.0 9.2

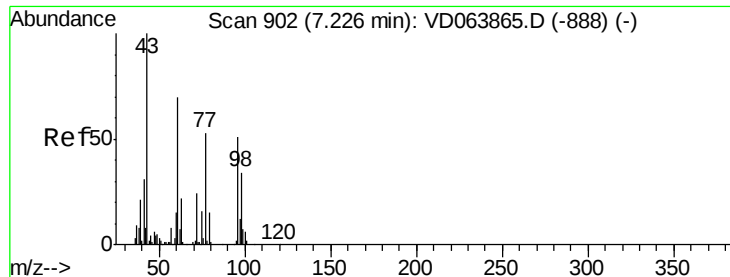


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 235.594 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 129454

Ion Ratio Lower Upper

43 100

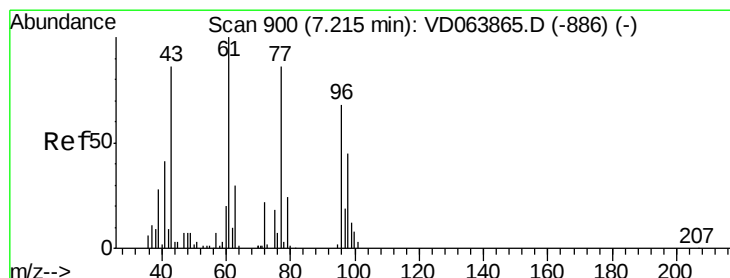
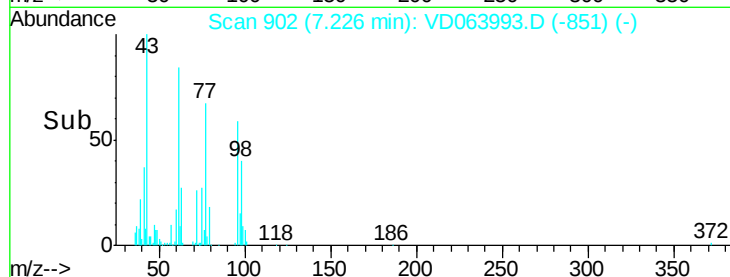
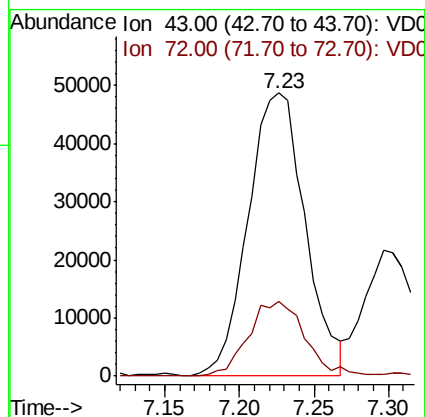
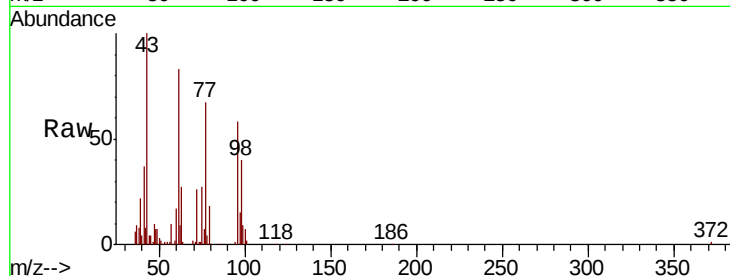
72 26.3 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 45.335 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063993.D

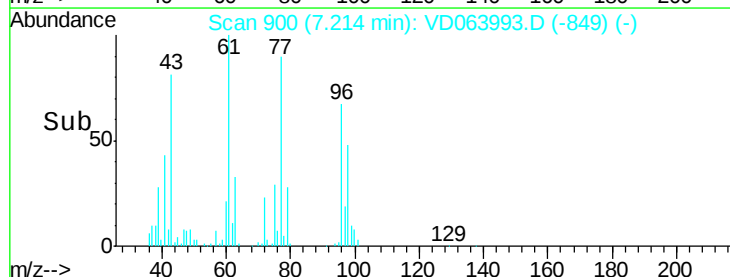
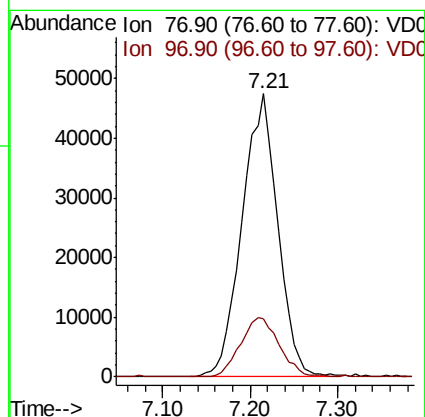
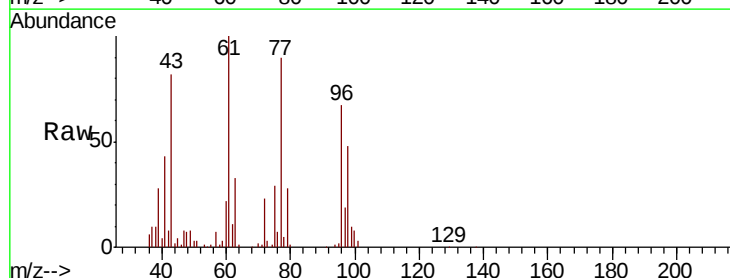
Acq: 16 Oct 2019 18:07

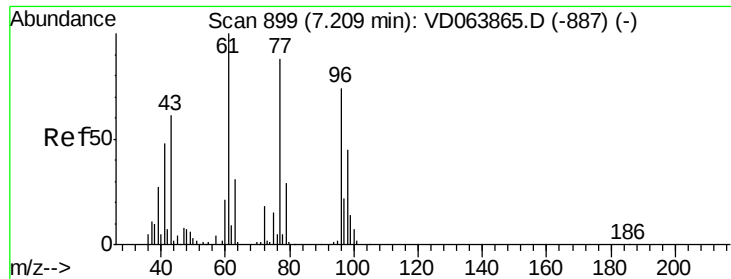
Tgt Ion: 77 Resp: 131487

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.1





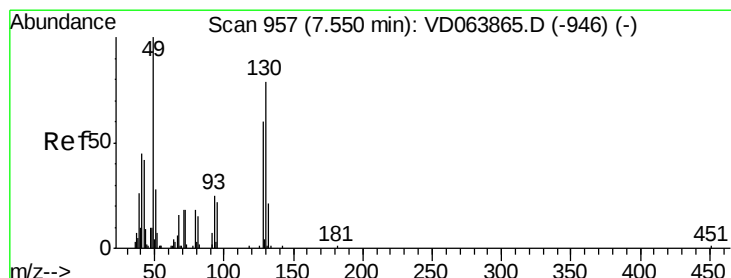
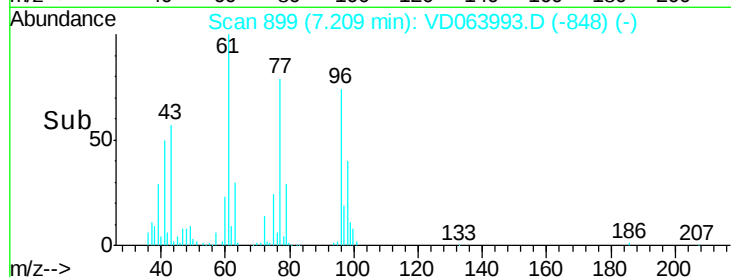
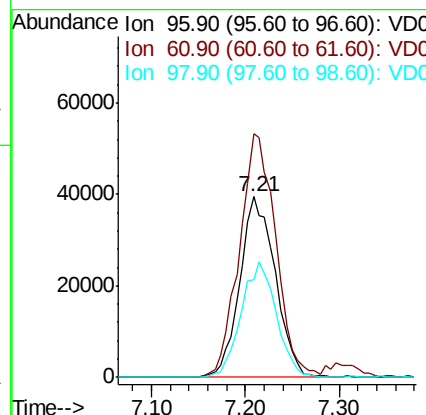
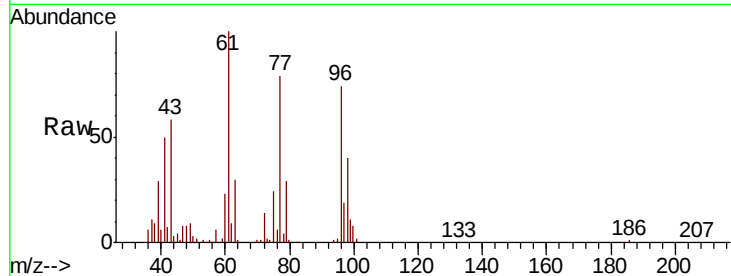
#27
 cis-1,2-Dichloroethene
 Concen: 47.828 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	280.0
98	63.1	0.0	130.4

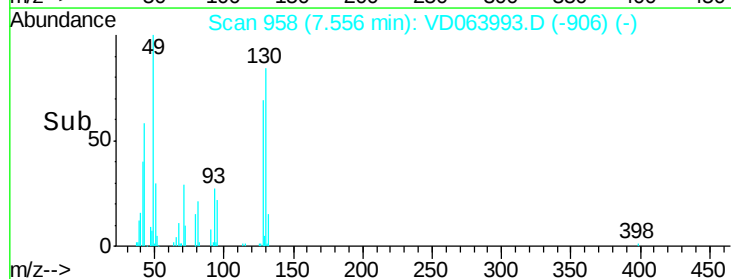
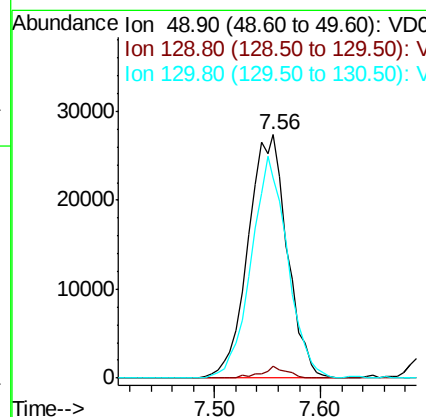
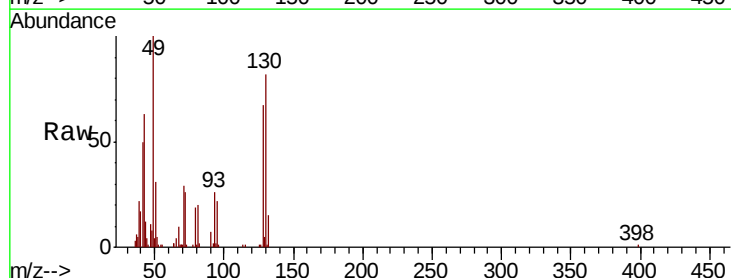
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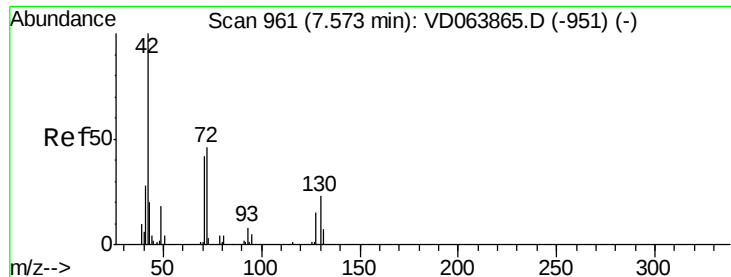
MMDadoda
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#28
 Bromochloromethane
 Concen: 57.320 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.6
130	85.2	66.8	100.2





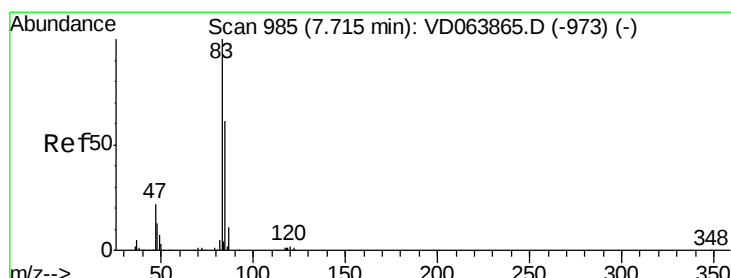
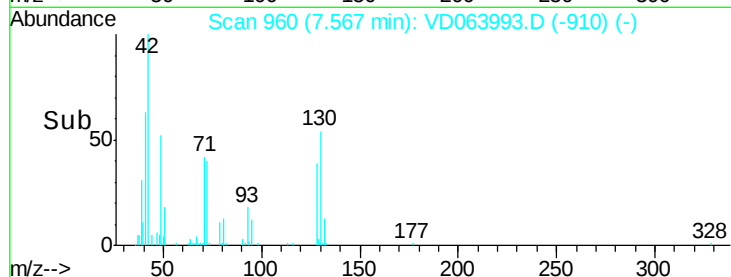
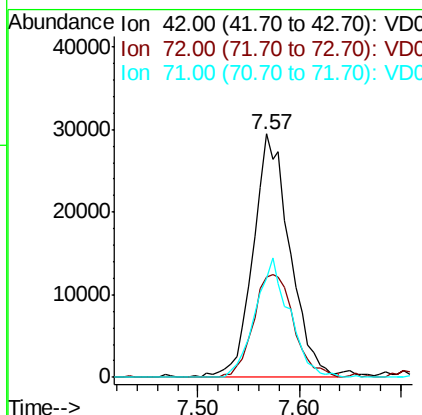
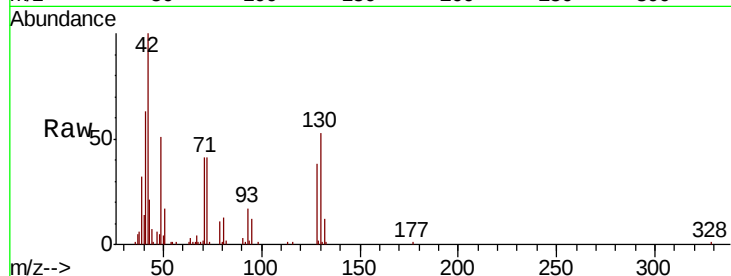
#29
Tetrahydrofuran
Concen: 231.647 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.6	56.4
71	45.7	35.0	52.6

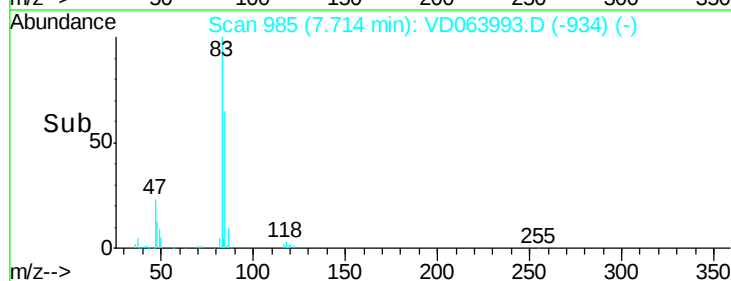
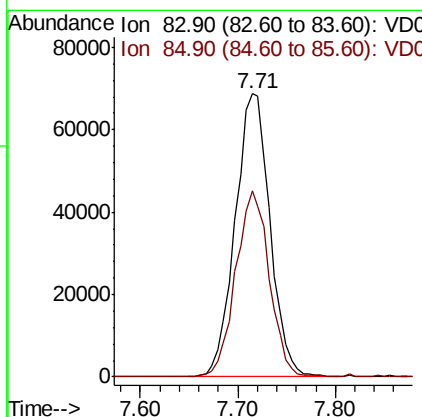
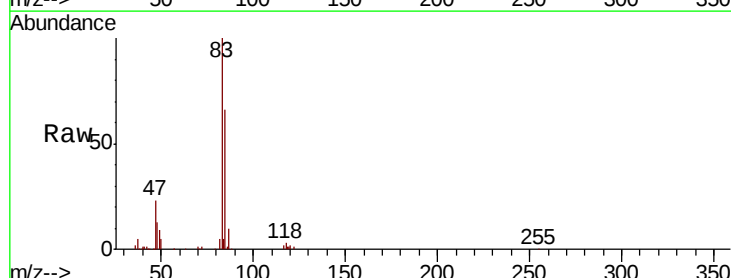
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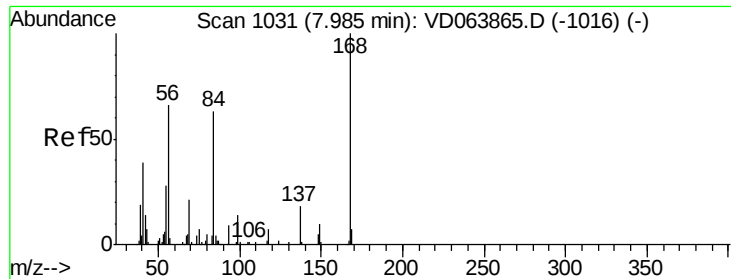
MMDadoda
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#30
Chloroform
Concen: 49.203 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	48.9	73.3





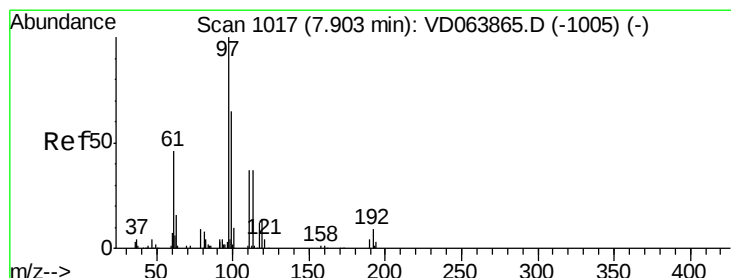
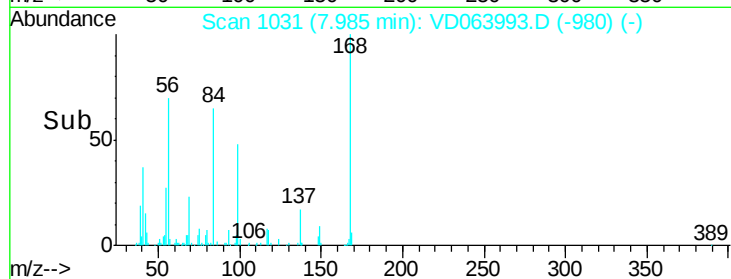
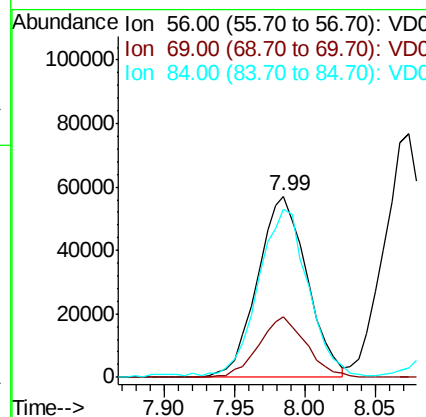
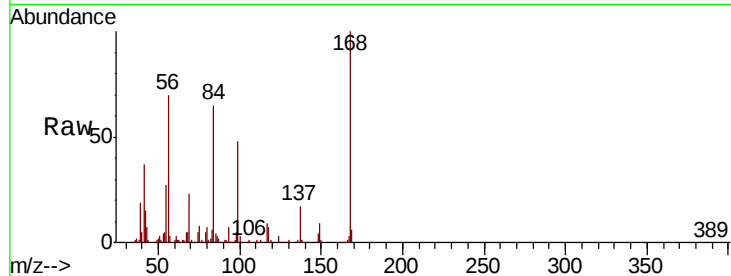
#31
Cyclohexane
Concen: 53.152 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.0	37.4
84	90.5	76.3	114.5

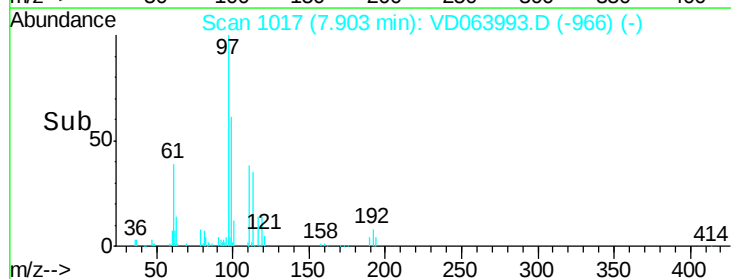
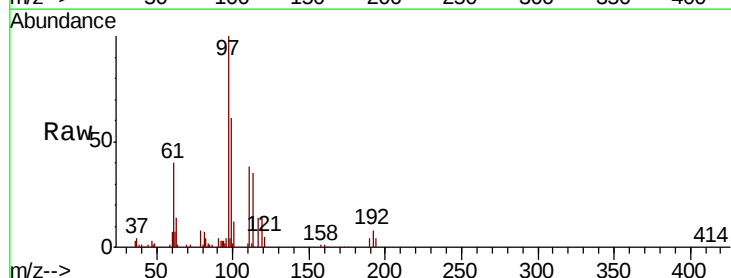
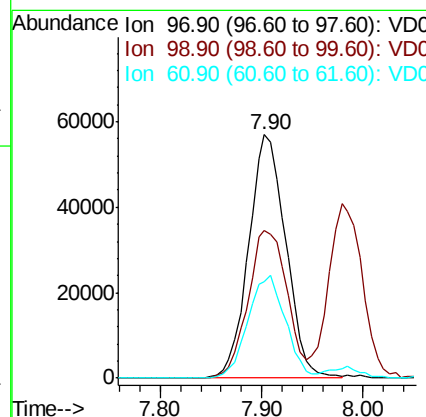
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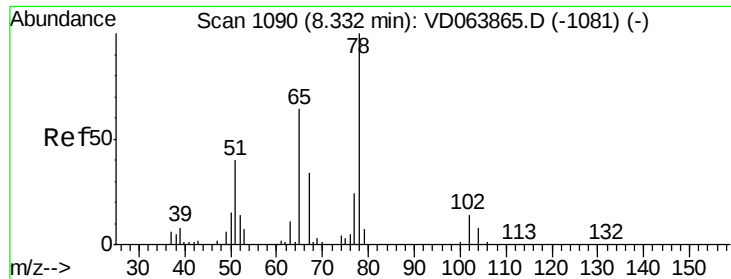
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#32
1,1,1-Trichloroethane
Concen: 48.399 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.4	78.6
61	42.9	33.8	50.8





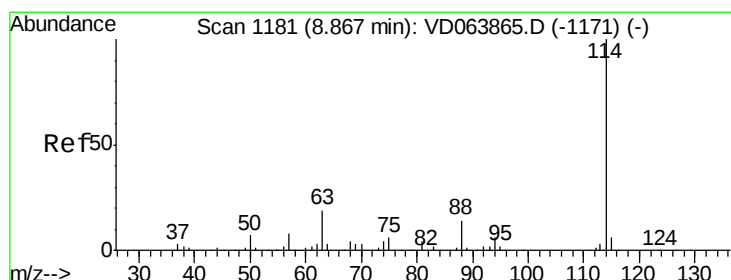
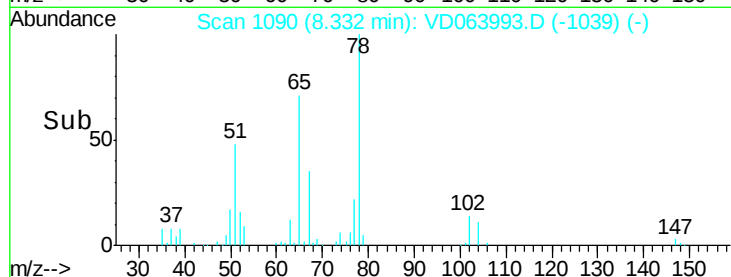
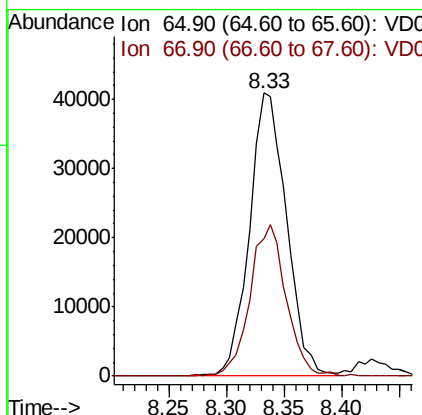
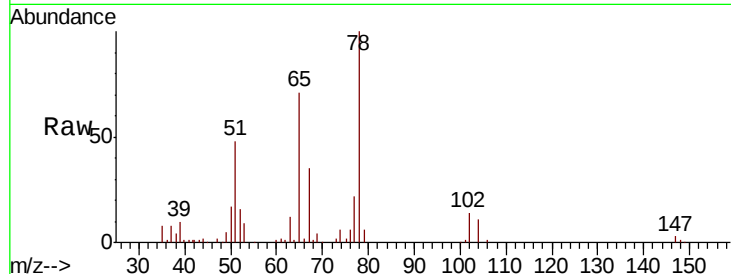
#33
 1,2-Dichloroethane-d4
 Concen: 51.521 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.4

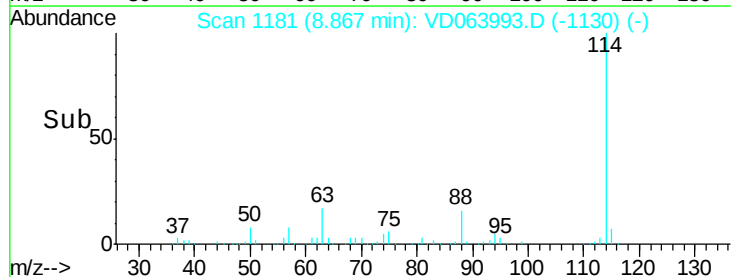
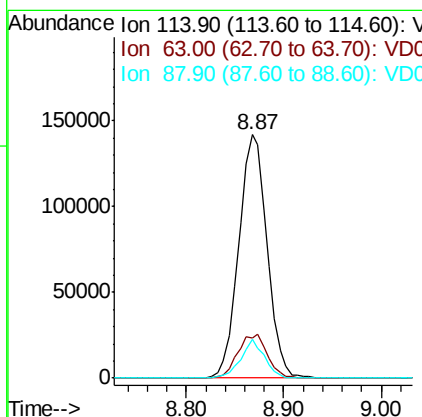
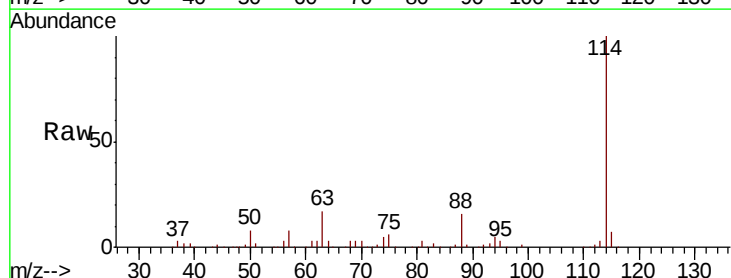
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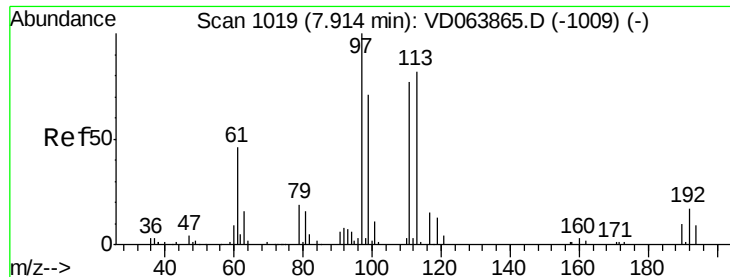
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	38.4
88	15.8	0.0	27.4





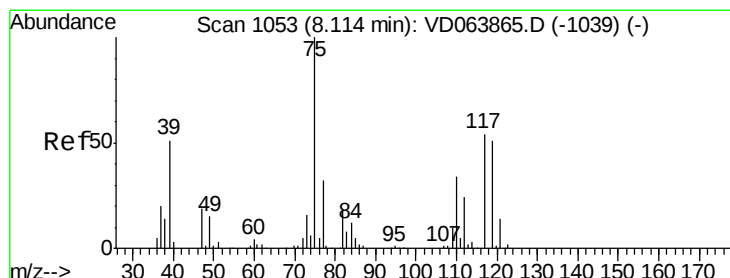
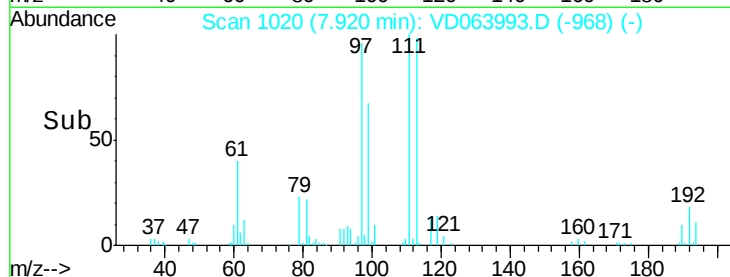
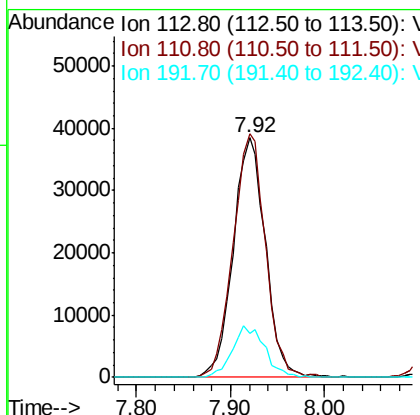
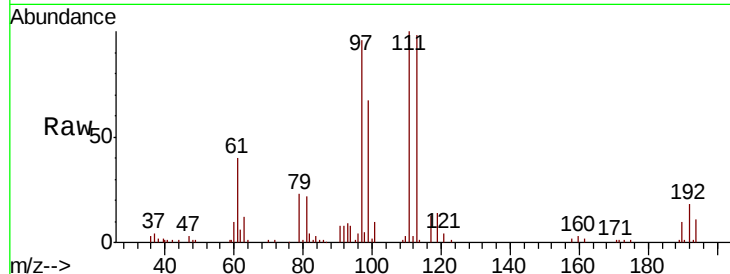
#35
Dibromofluoromethane
Concen: 51.892 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	123.8
192	21.7	17.1	25.7

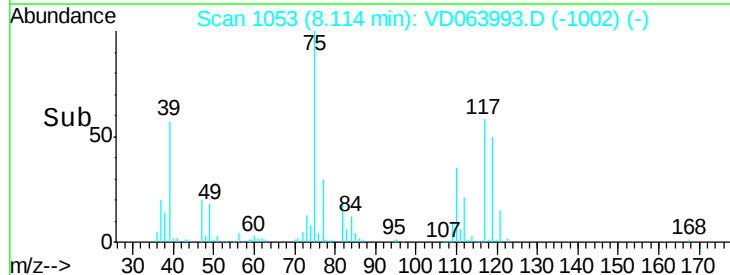
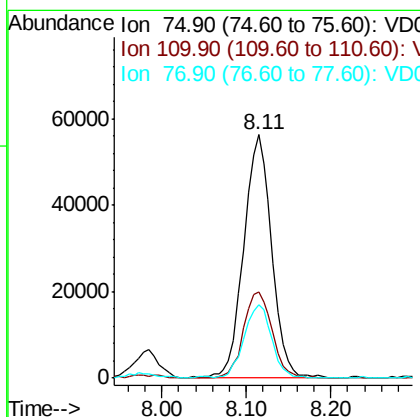
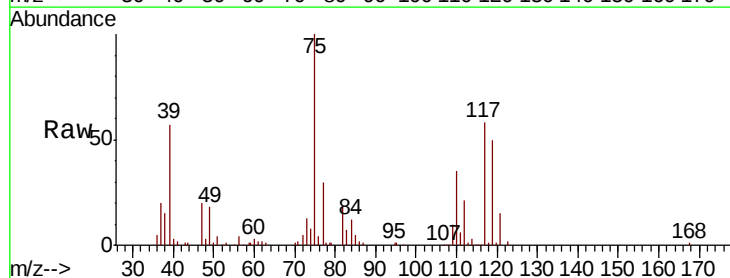
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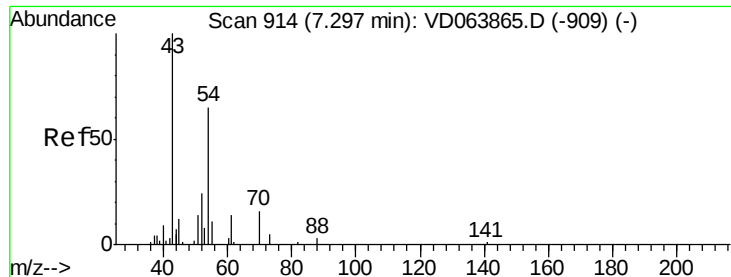
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#36
1,1-Dichloropropene
Concen: 49.251 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.4	52.3
77	30.0	25.4	38.0





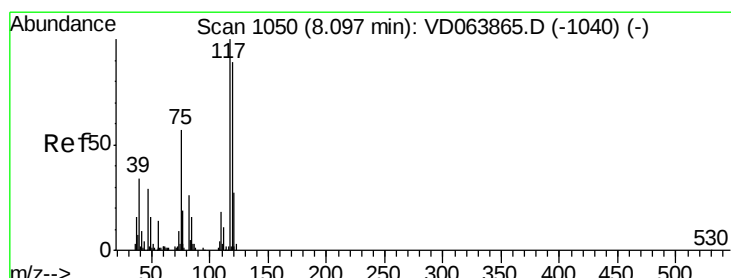
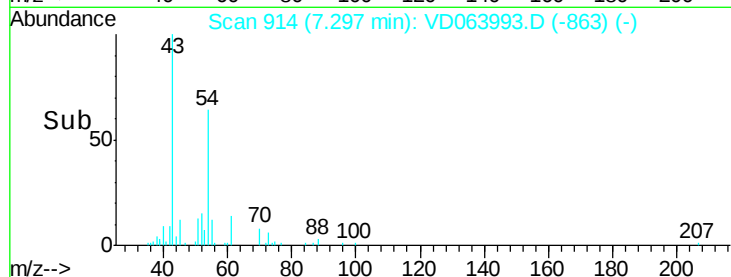
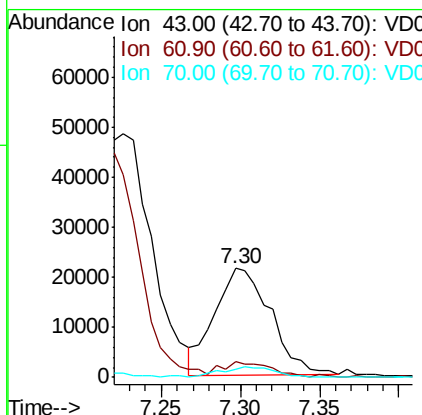
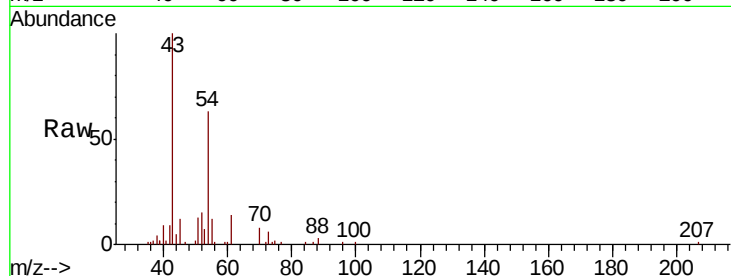
#37
Ethyl Acetate
Concen: 49.447 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	11.5	17.3
70	9.6	8.2	12.4

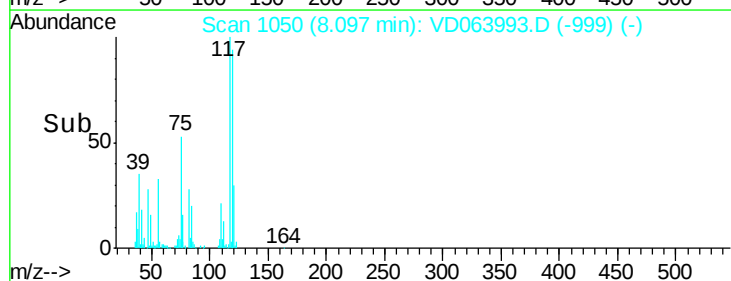
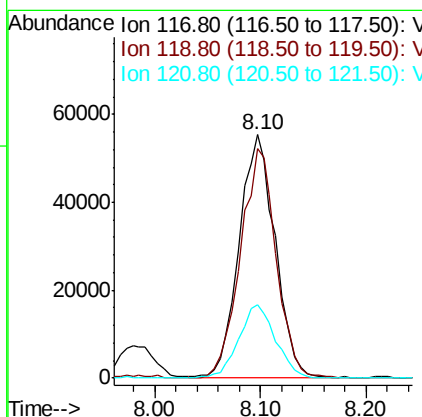
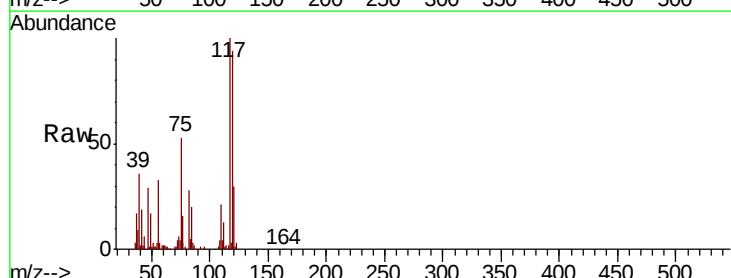
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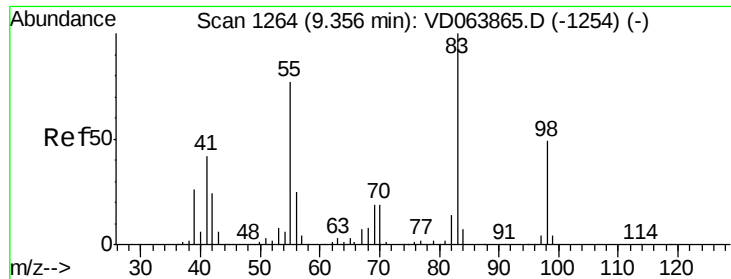
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#38
Carbon Tetrachloride
Concen: 49.360 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	70.8	106.2
121	30.0	21.4	32.0





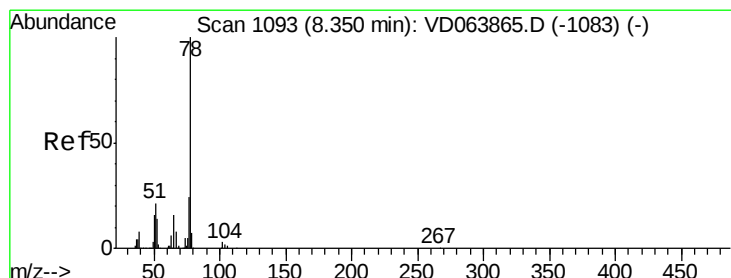
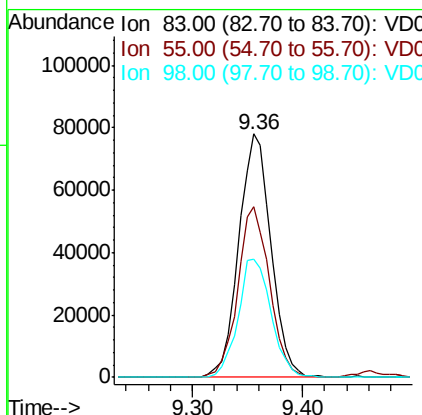
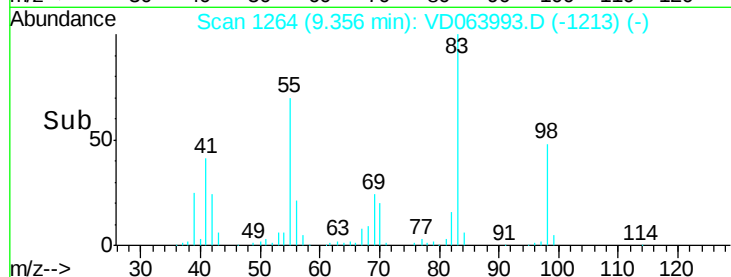
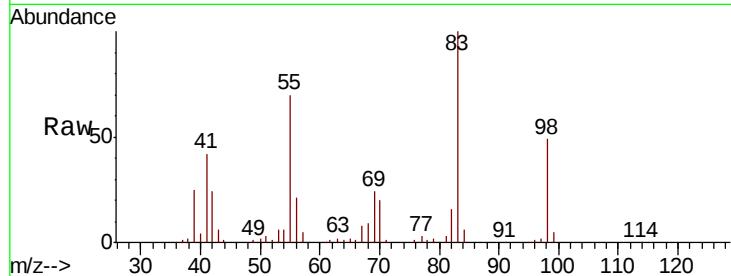
#39
Methvlcvclohexane
Concen: 49.490 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	61.3	91.9
98	48.7	39.3	58.9

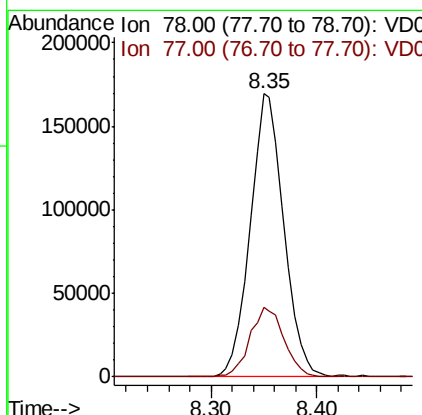
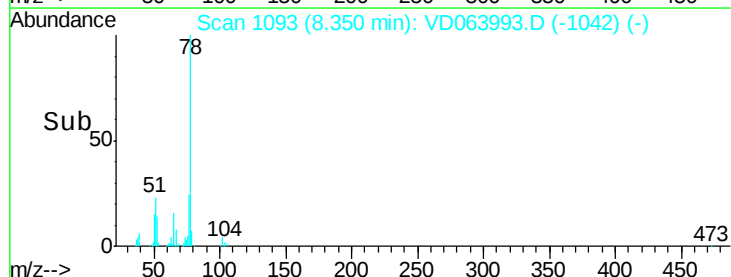
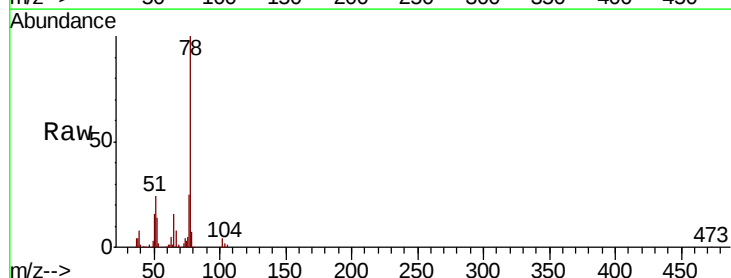
Manual Integrations
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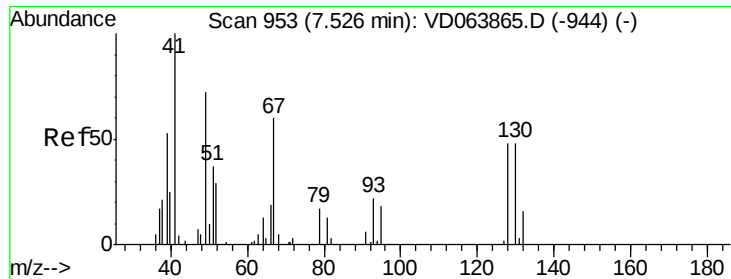
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#40
Benzene
Concen: 49.680 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.6





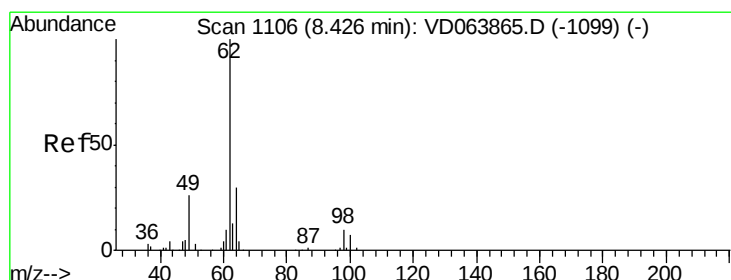
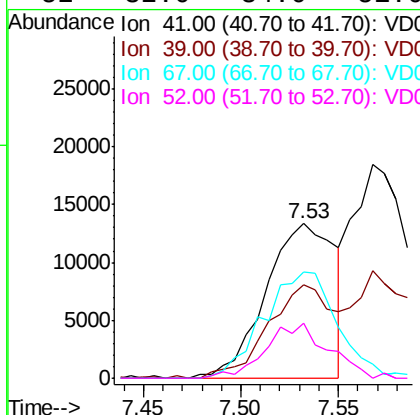
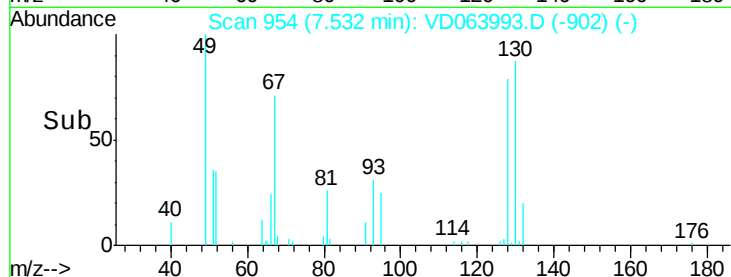
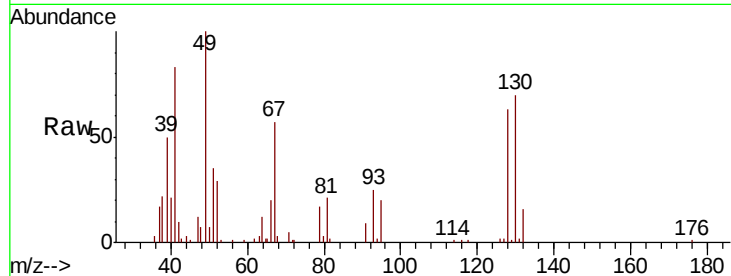
#41
Methacrylonitrile
Concen: 53.846 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	52.6	78.8
67	73.0	74.2	111.2#
52	32.0	34.0	51.0#

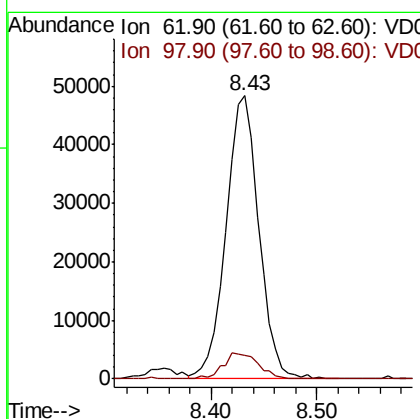
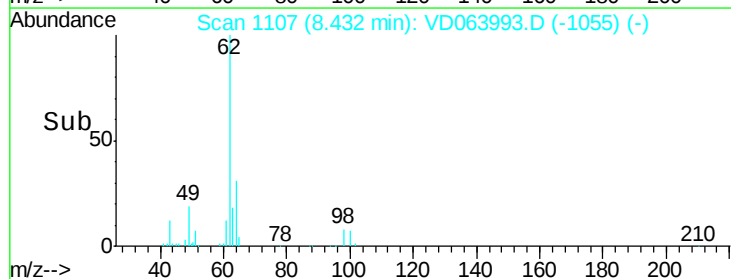
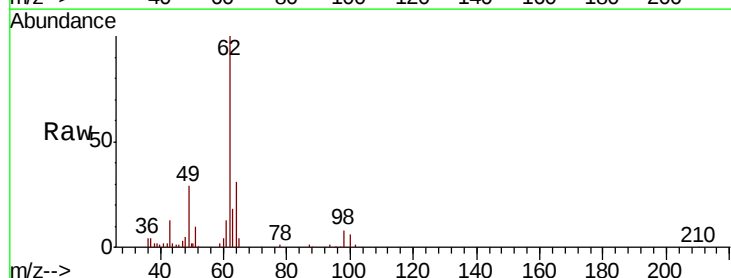
Manual Integrations
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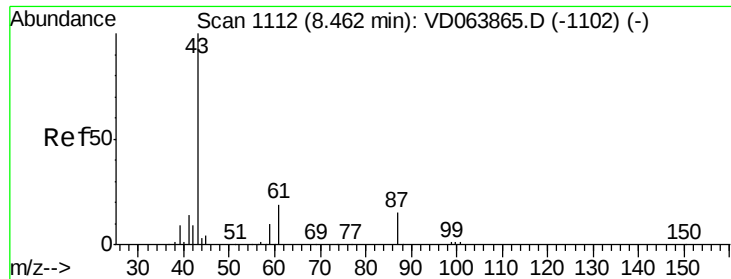
MMDadoda
10/18/2019 12:49:52 AM



#42
1,2-Dichloroethane
Concen: 47.707 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.0





#43

Isopropyl Acetate

Concen: 46.153 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

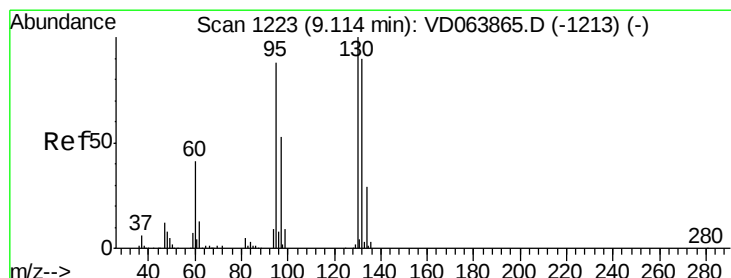
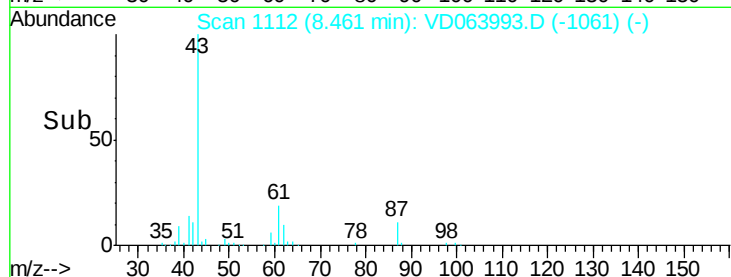
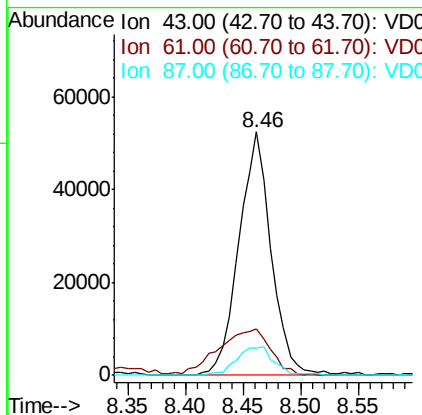
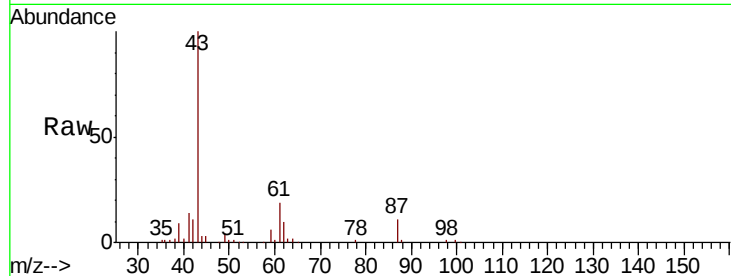
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	101752
Ion	Ratio	Lower	Upper
43	100		
61	30.9	25.7	38.5
87	13.8	11.6	17.4

Manual Integrations
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#44

Trichloroethene

Concen: 47.829 ug/l

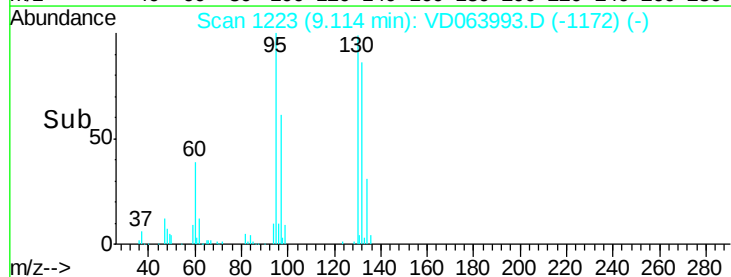
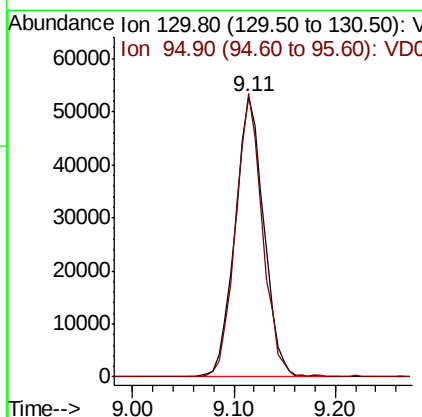
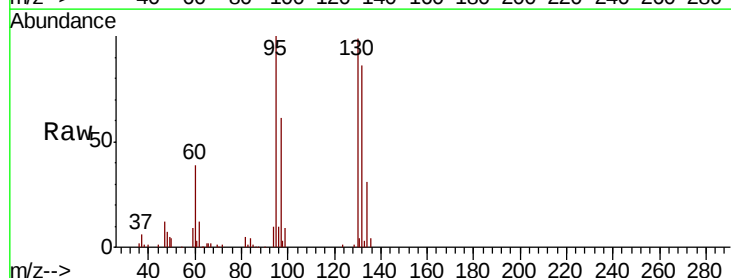
RT: 9.11 min Scan# 1223

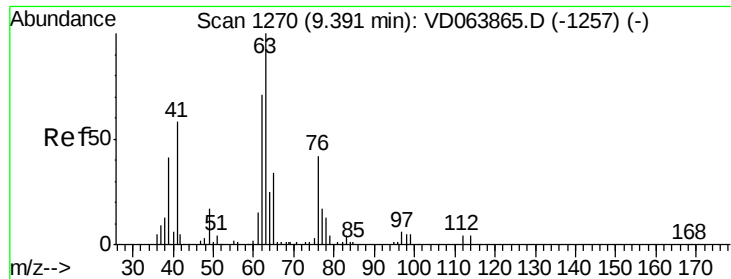
Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Tgt Ion:	130	Resp:	103902
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	175.6





#45

1,2-Dichloropropane

Concen: 48.713 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 89824

Ion Ratio Lower Upper

63 100

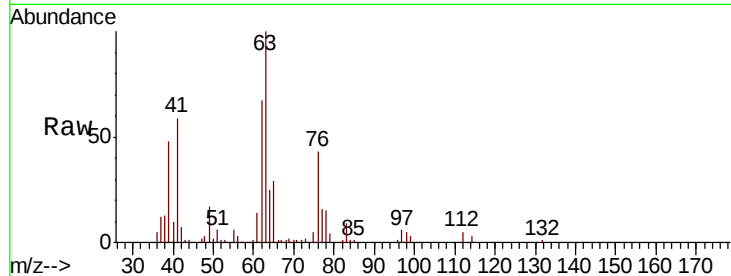
65 29.2 27.3 40.9

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

50000

40000

30000

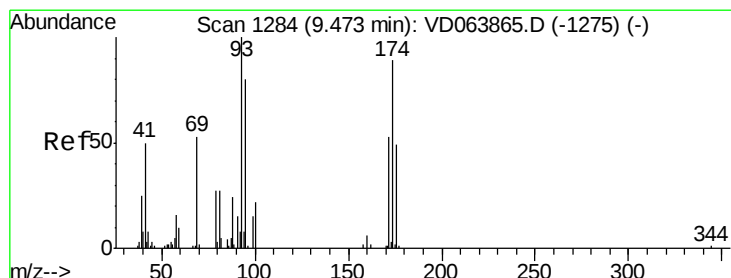
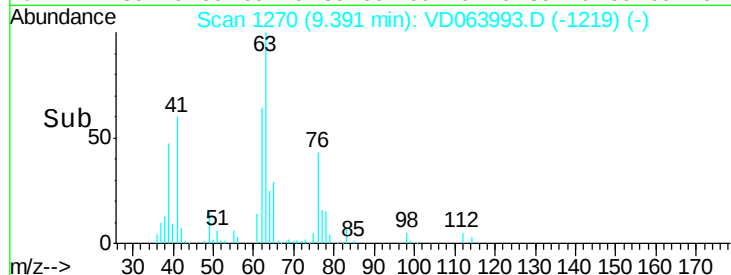
20000

10000

0

Time-->

9.30 9.35 9.40 9.45



#46

Dibromomethane

Concen: 50.309 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

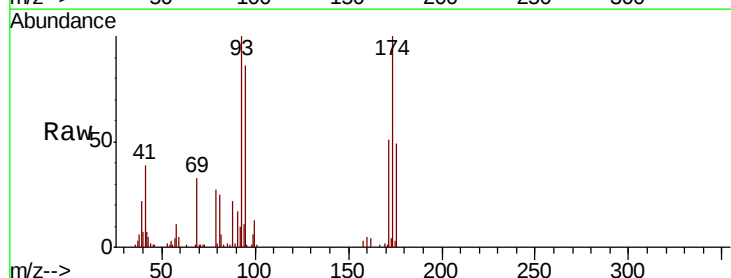
Tgt Ion: 93 Resp: 52832

Ion Ratio Lower Upper

93 100

95 84.2 66.0 99.0

174 108.2 83.4 125.0



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

9.48

30000

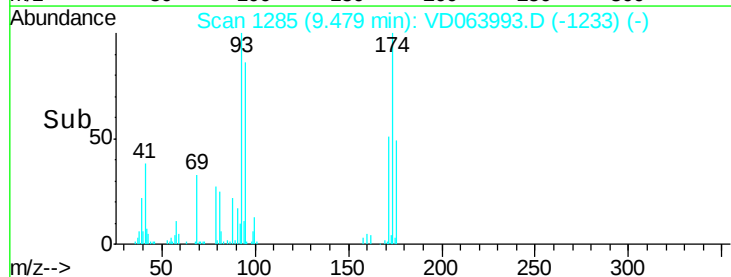
20000

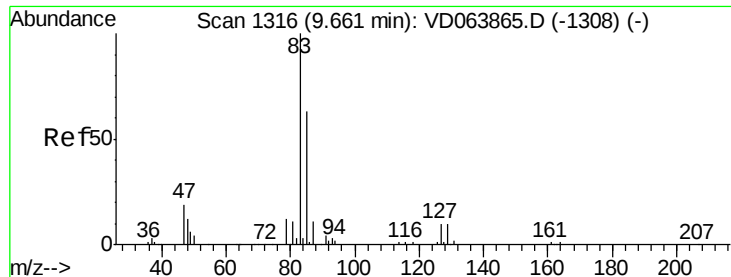
10000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 48.943 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

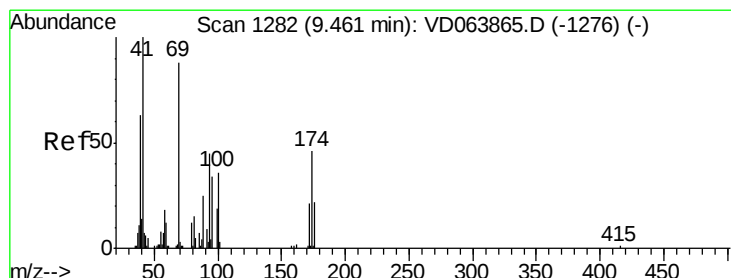
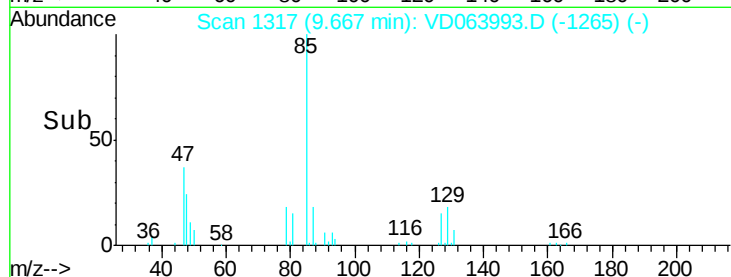
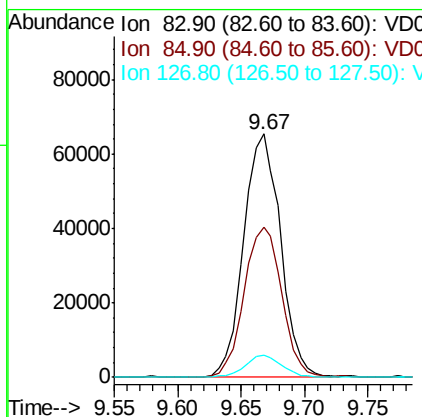
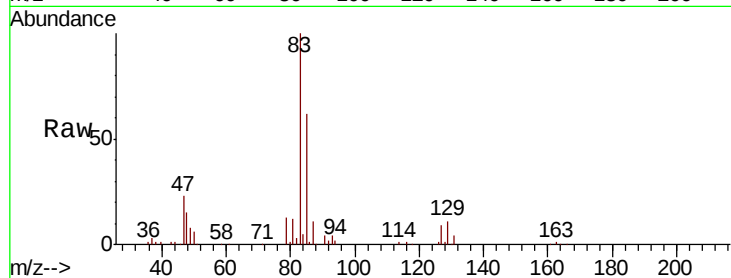
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	132331
Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.2	75.2
127	9.4	7.6	11.4

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#48

Methyl methacrylate

Concen: 43.403 ug/l

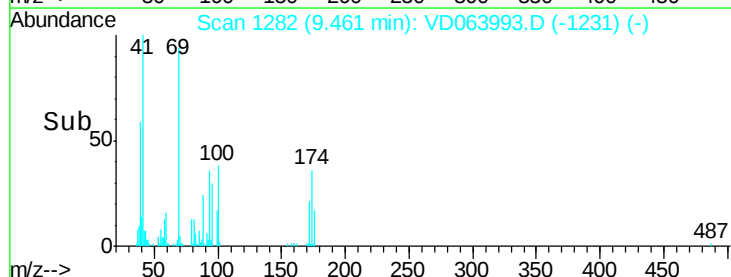
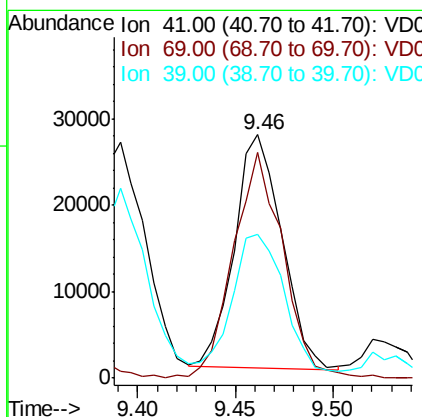
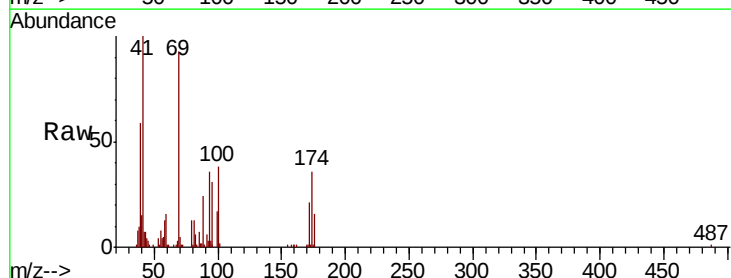
RT: 9.46 min Scan# 1282

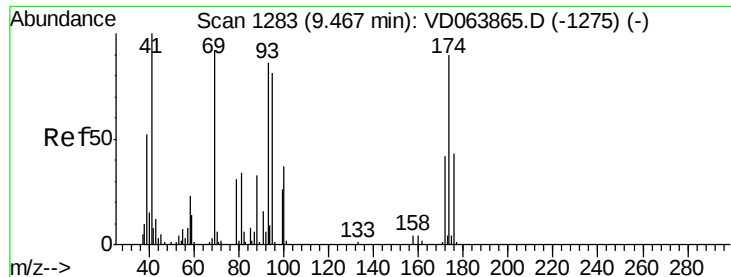
Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Tgt Ion:	41	Resp:	45848
Ion	Ratio	Lower	Upper
41	100		
69	100.6	75.1	112.7
39	68.8	50.2	75.2





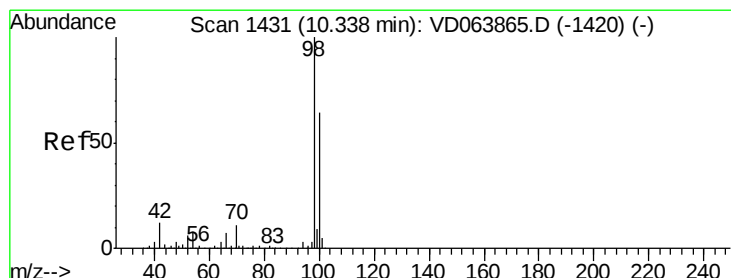
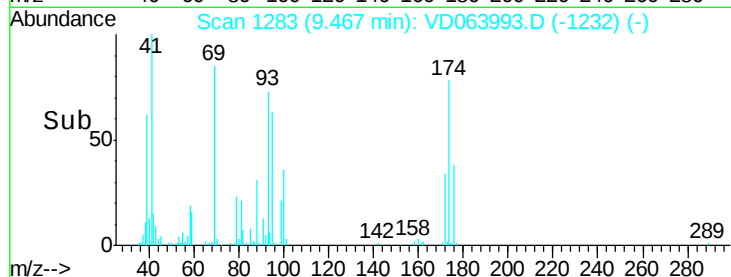
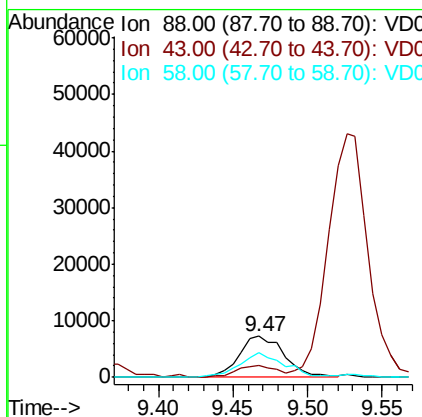
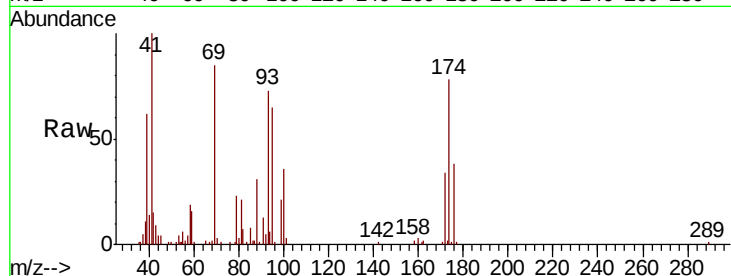
#49
1,4-Dioxane
Concen: 1065.466 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.1	27.6	41.4#
58	59.1	54.1	81.1

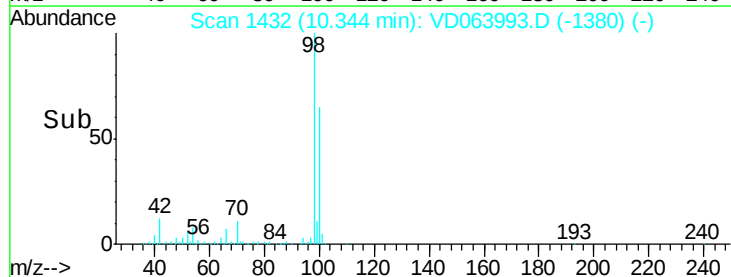
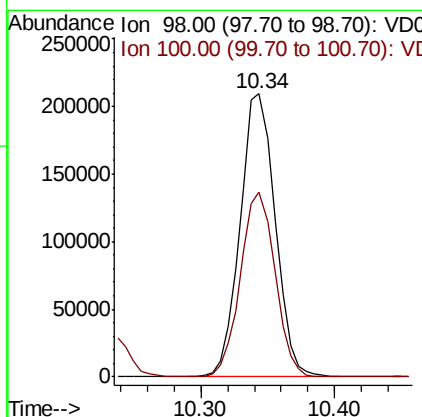
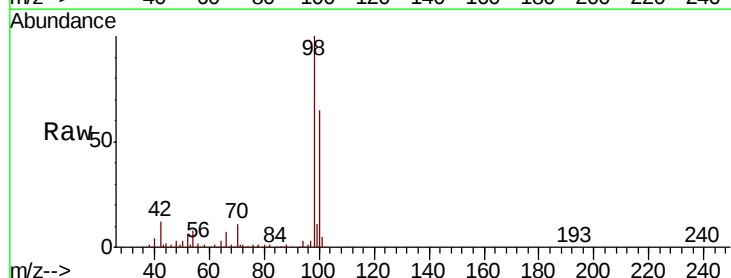
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#50
Toluene-d8
Concen: 53.390 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 246.220 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 281525

Ion Ratio Lower Upper

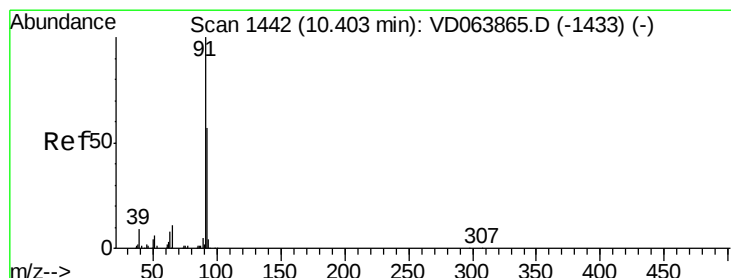
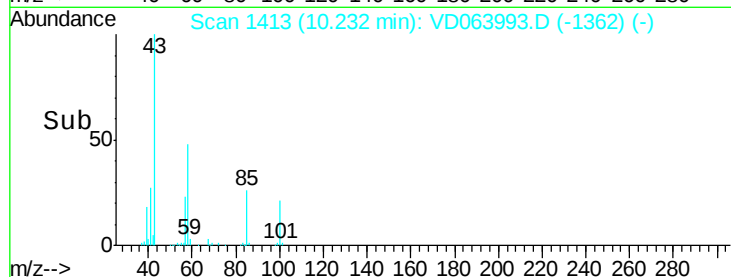
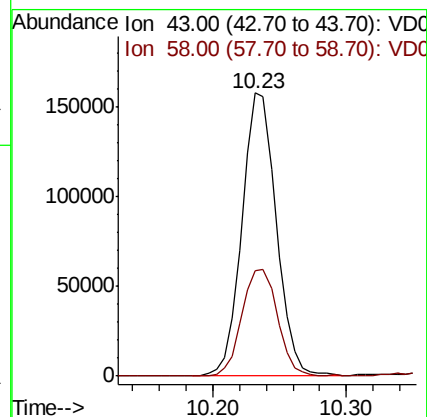
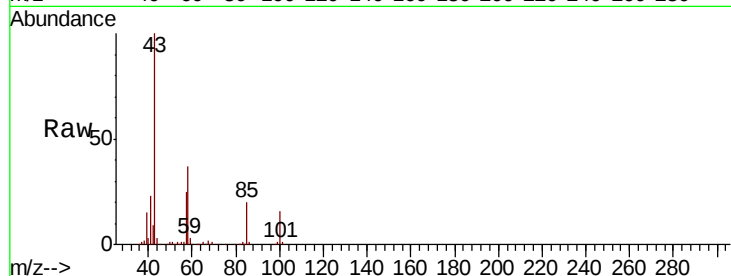
43 100

58 39.1 33.0 49.4

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#52

Toluene

Concen: 50.645 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063993.D

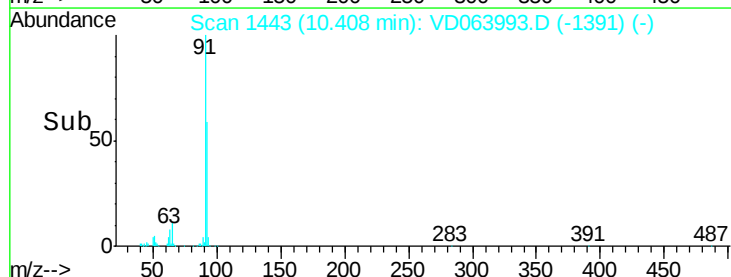
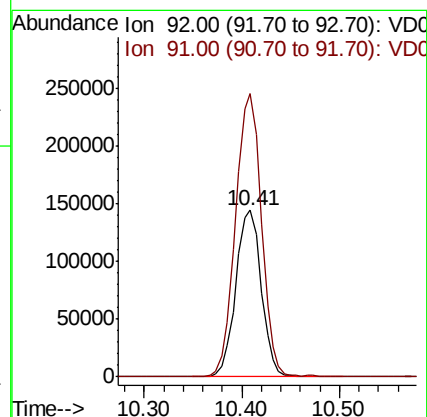
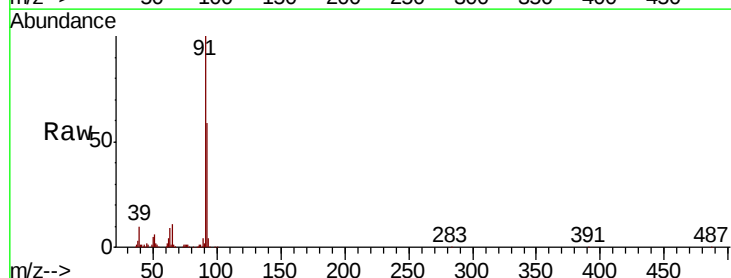
Acq: 16 Oct 2019 18:07

Tgt Ion: 92 Resp: 261916

Ion Ratio Lower Upper

92 100

91 172.7 139.5 209.3





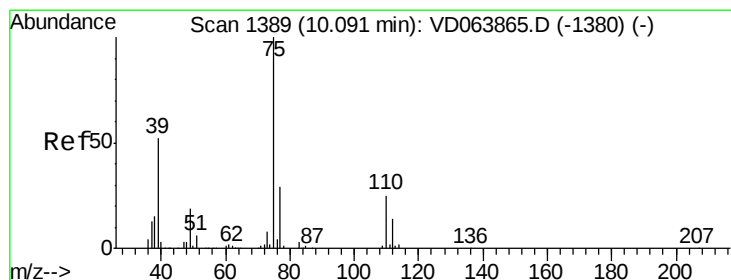
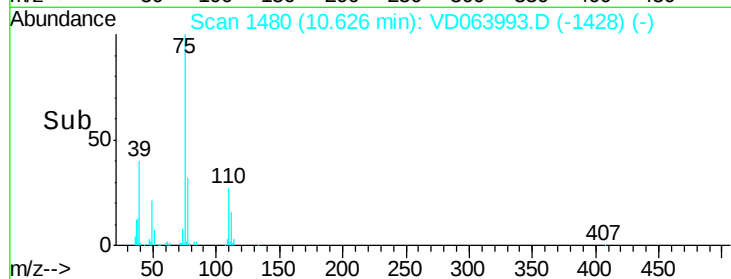
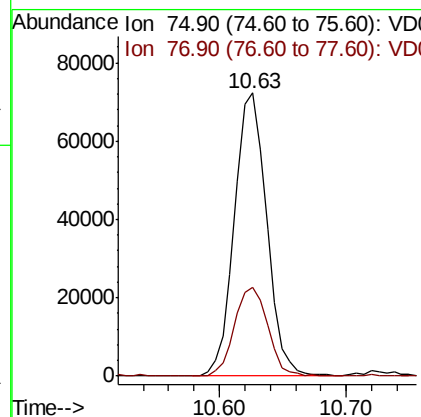
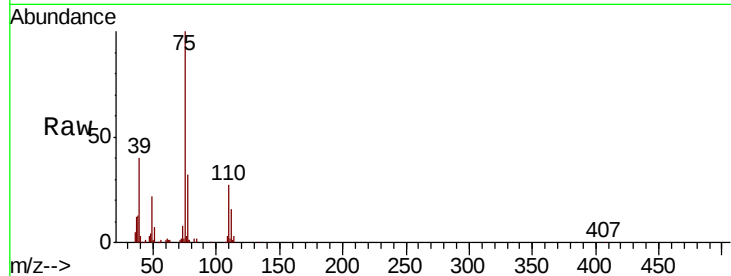
#53
t-1,3-Dichloropropene
Concen: 48.420 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	75	Resp	127751
Ion Ratio	Lower	Upper	
75	100		
77	31.6	22.8	34.2

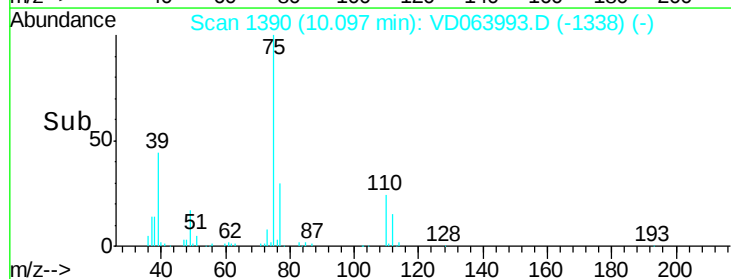
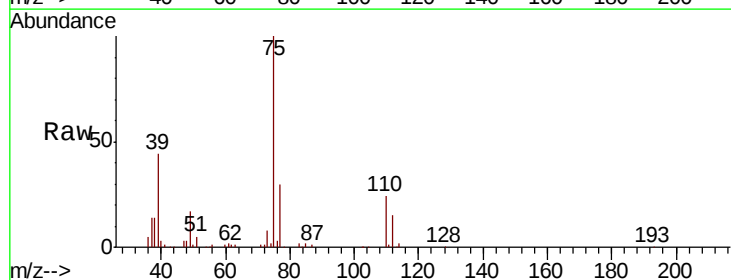
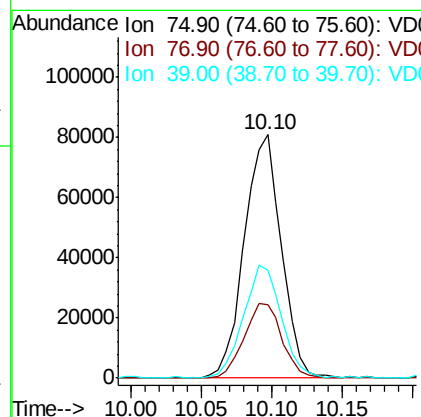
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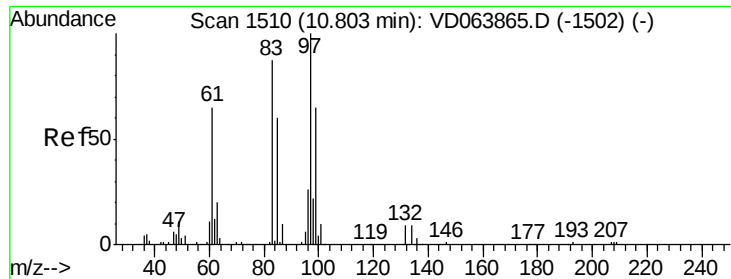
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#54
cis-1,3-Dichloropropene
Concen: 49.050 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	75	Resp	148966
Ion Ratio	Lower	Upper	
75	100		
77	29.9	23.2	34.8
39	44.3	41.5	62.3





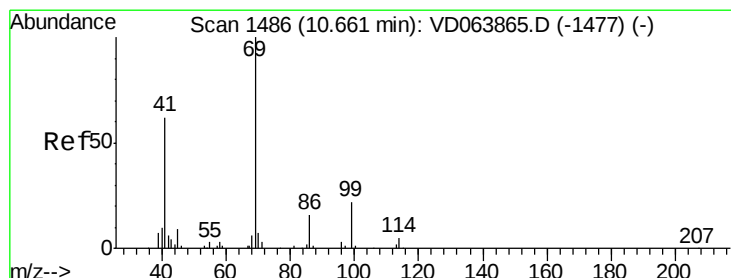
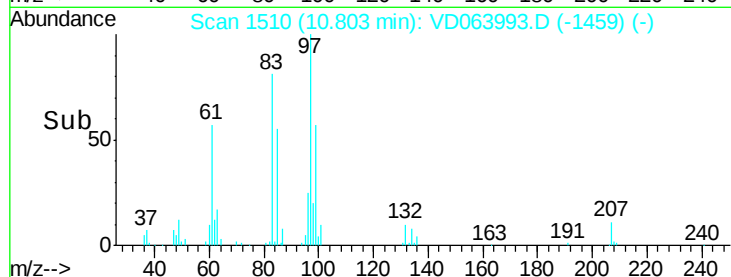
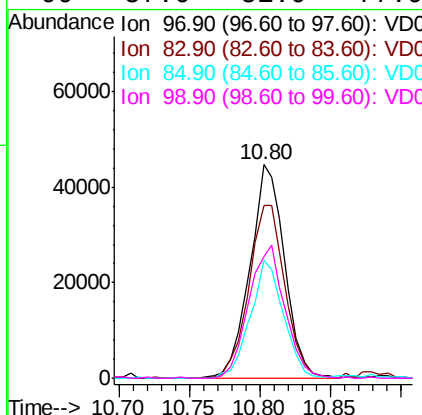
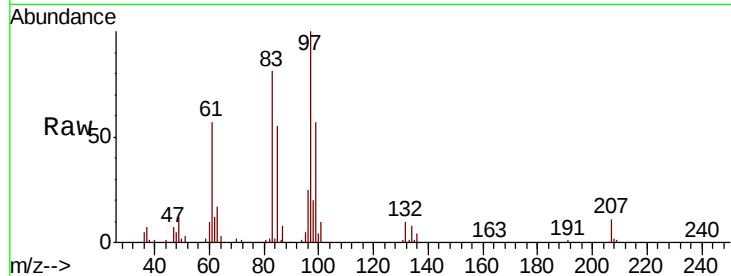
#55
 1,1,2-Trichloroethane
 Concen: 51.810 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	76823
Ion	Ratio	Lower	Upper
97	100		
83	81.1	69.7	104.5
85	55.0	48.1	72.1
99	57.0	51.9	77.9

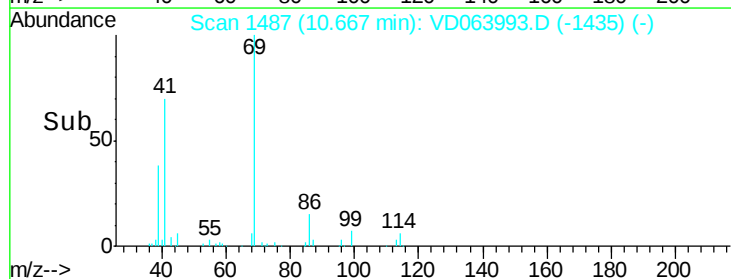
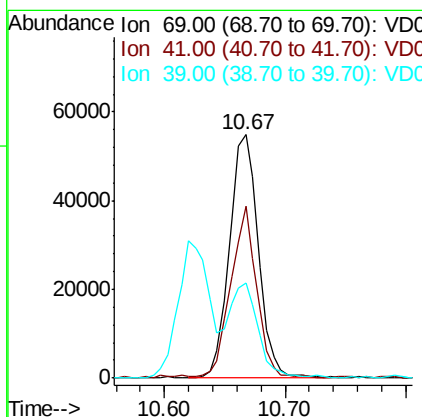
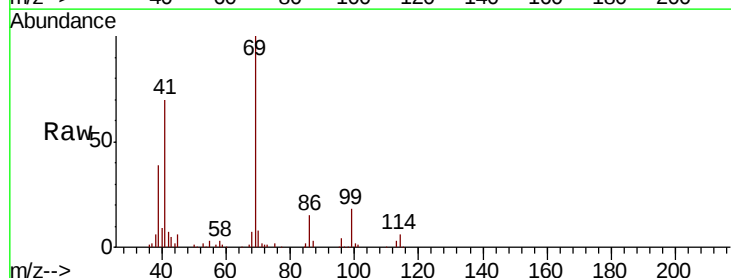
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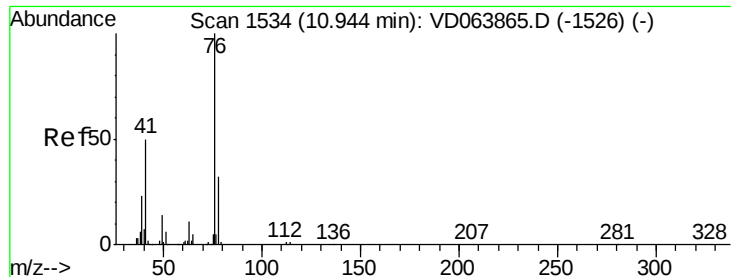
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#56
 Ethyl methacrylate
 Concen: 48.803 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Tgt Ion:	69	Resp:	91639
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.3	76.9
39	40.9	28.0	42.0





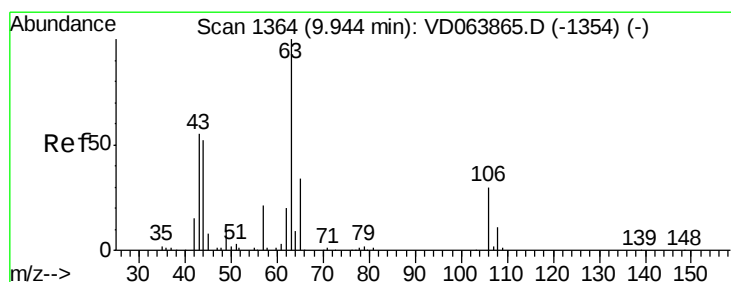
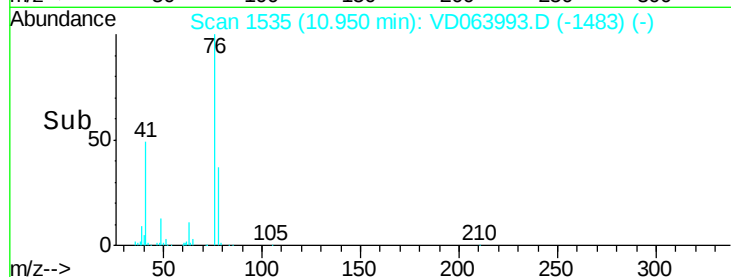
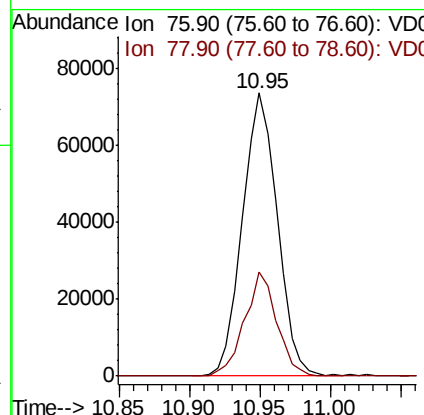
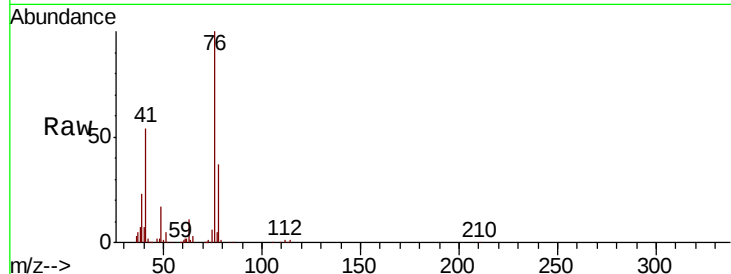
#57
 1,3-Dichloropropane
 Concen: 50.518 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 128162
 Ion Ratio Lower Upper
 76 100
 78 34.0 26.6 40.0

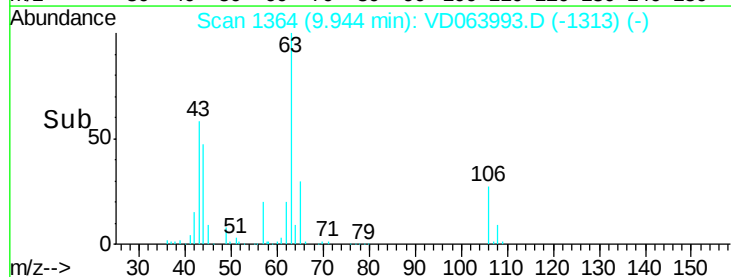
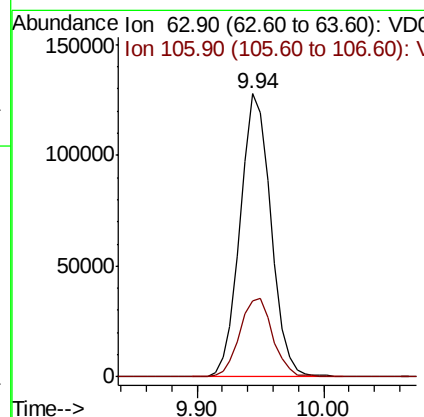
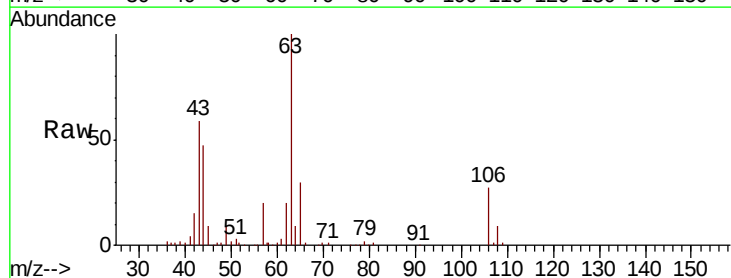
Manual Integrations
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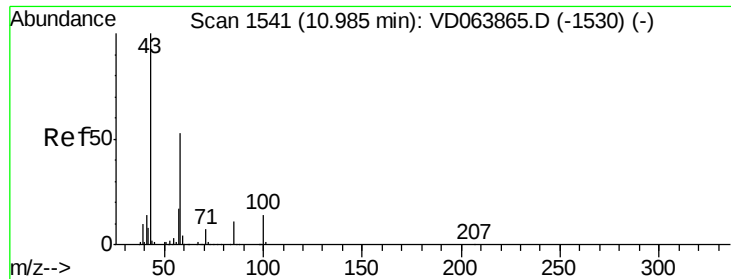
MMDadoda
 10/18/2019 12:49:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.675 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Tgt Ion: 63 Resp: 215238
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.3 36.5





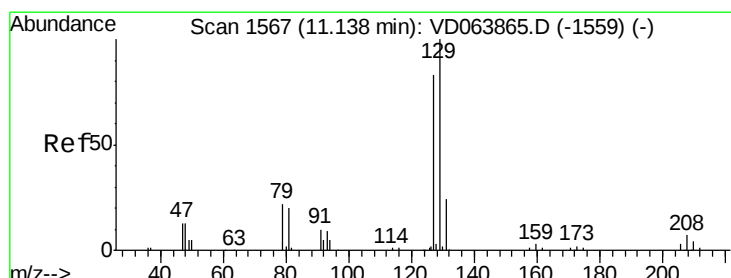
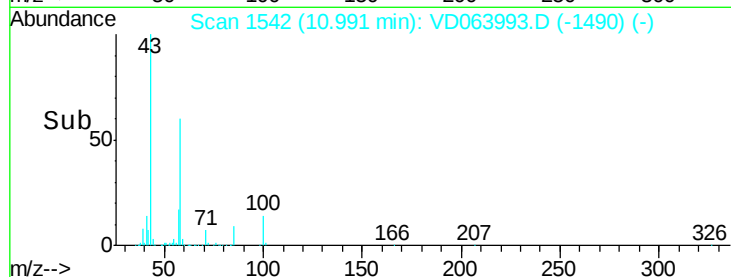
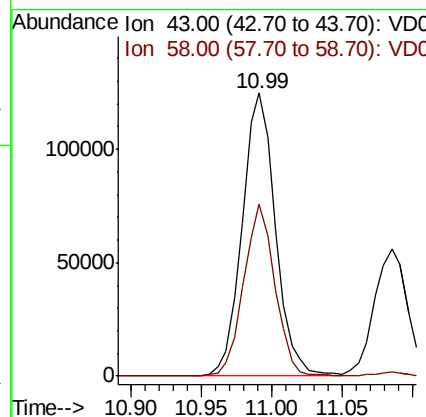
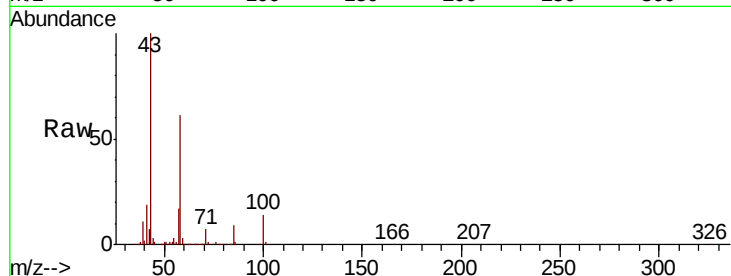
#59
2-Hexanone
Concen: 249.205 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 206116
Ion Ratio Lower Upper
43 100
58 57.1 27.7 83.0

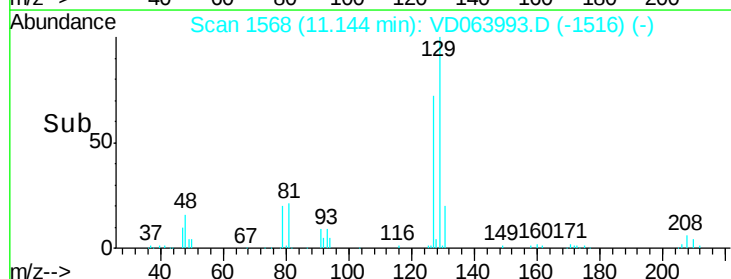
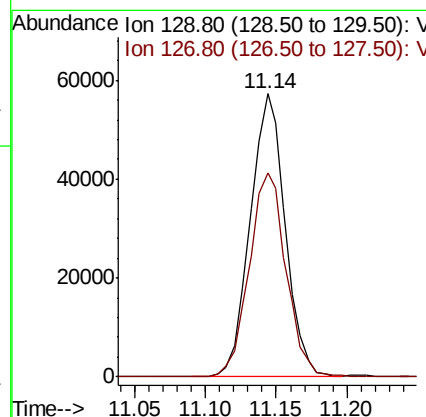
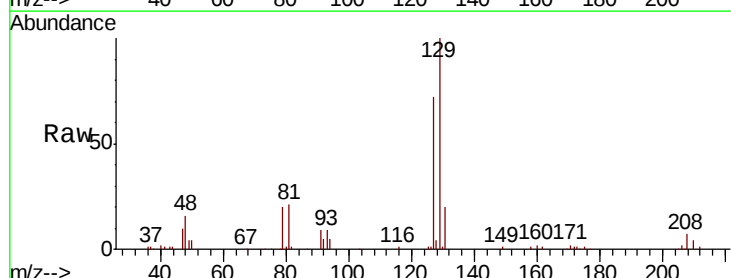
Manual Integrations
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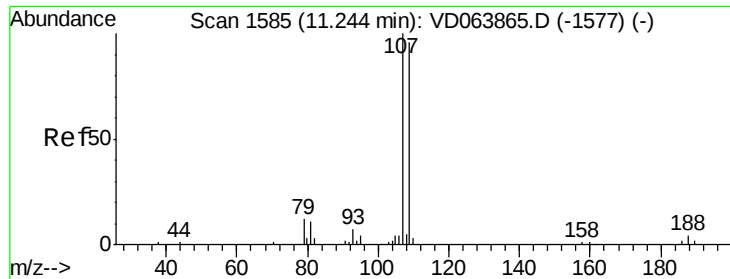
MMDadoda
10/18/2019 12:49:52 AM



#60
Dibromochloromethane
Concen: 51.484 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion: 129 Resp: 99385
Ion Ratio Lower Upper
129 100
127 76.0 39.9 119.6





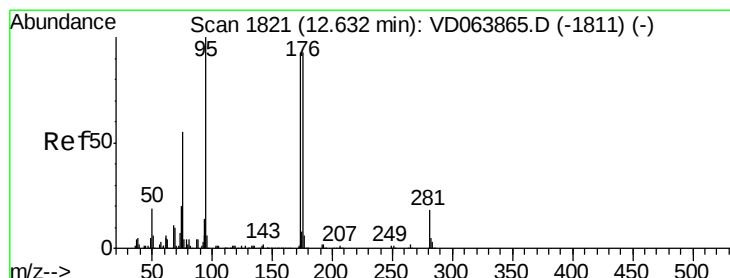
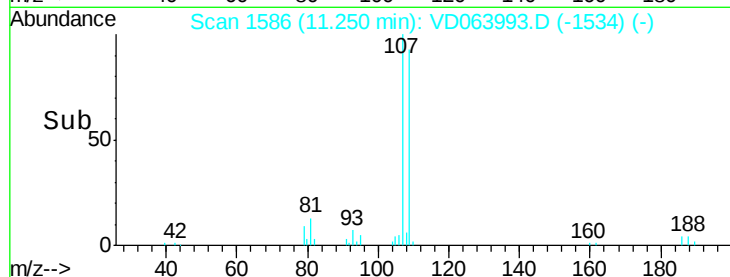
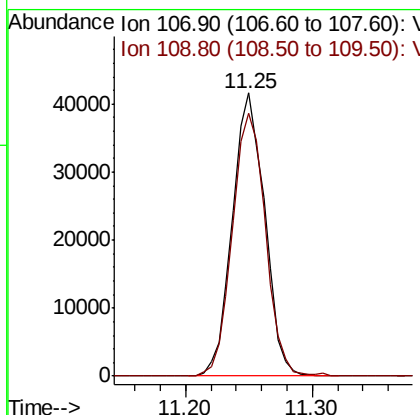
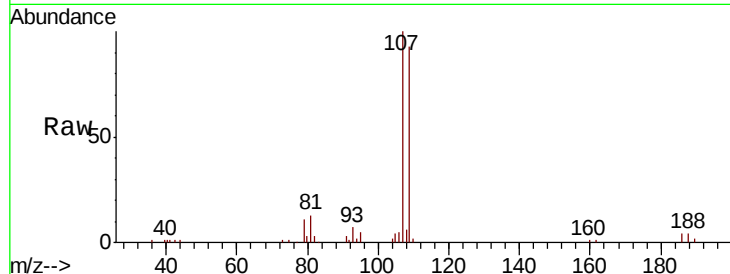
#61
 1,2-Dibromoethane
 Concen: 51.165 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.2	112.8

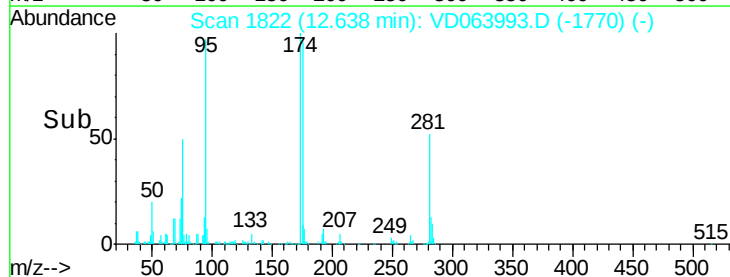
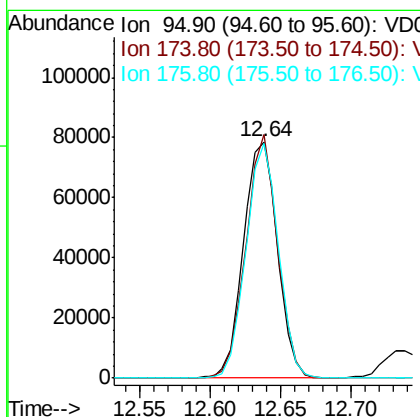
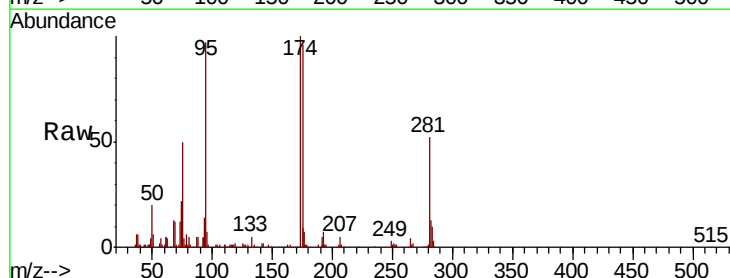
Manual Integrations
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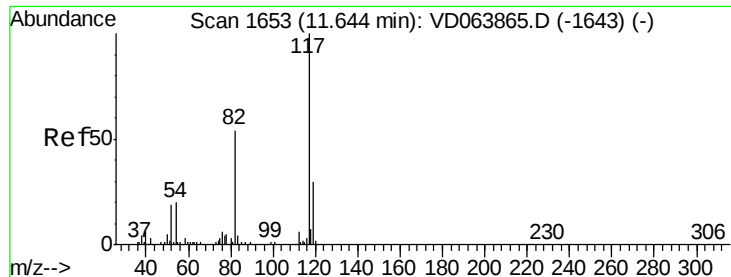
MMDadoda
 10/18/2019 12:49:52 AM



#62
 4-Bromofluorobenzene
 Concen: 53.606 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	186.4
176	94.8	0.0	184.2





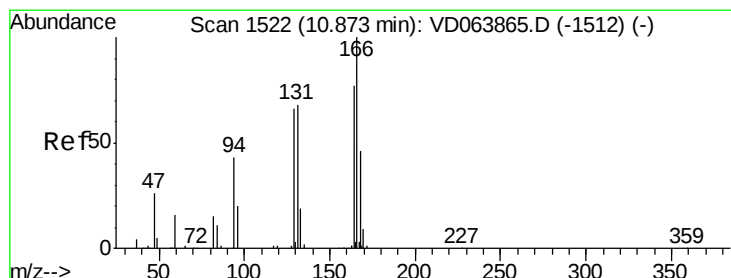
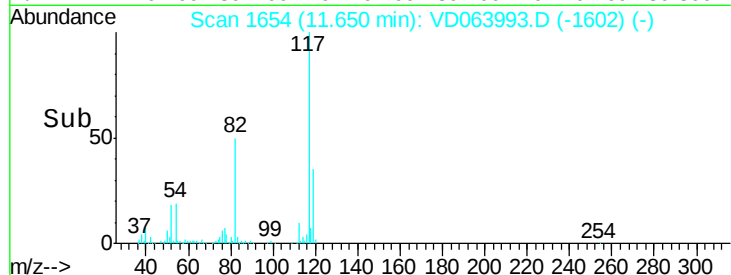
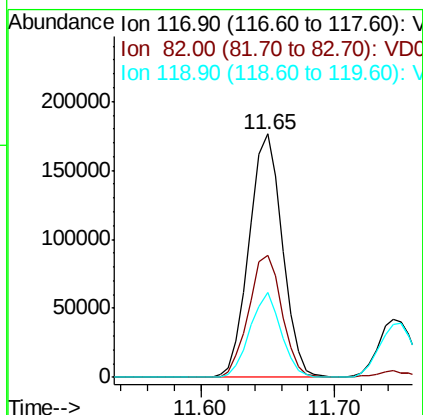
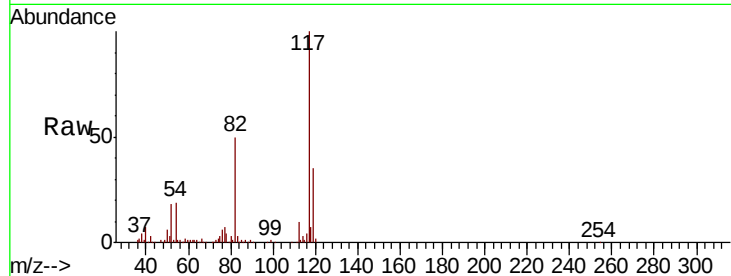
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	42.8	64.2
119	34.9	24.4	36.6

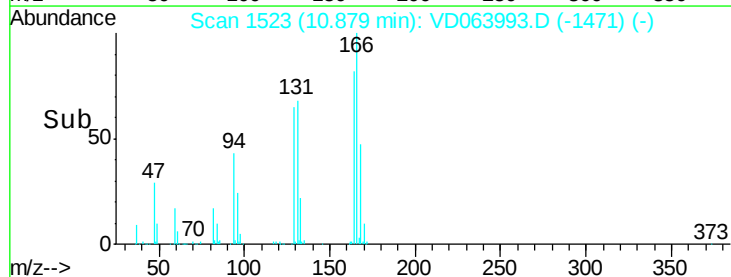
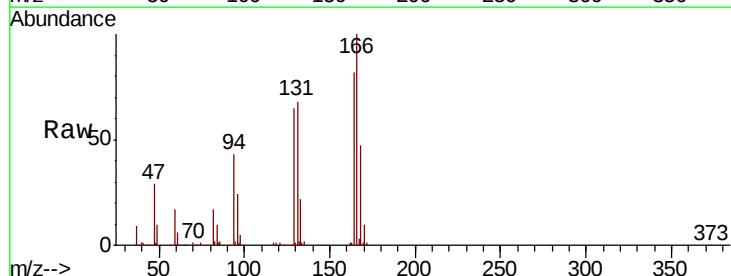
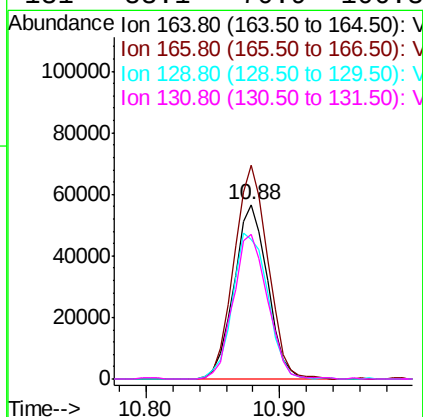
Manual Integrations
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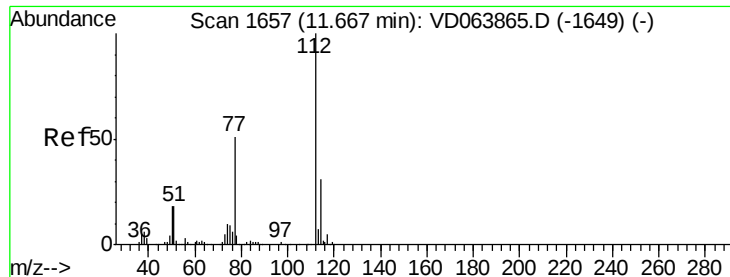
MMDadoda
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#64
Tetrachloroethene
Concen: 47.775 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	103.8	155.6
129	80.0	68.9	103.3
131	83.1	70.9	106.3





#65

Chlorobenzene

Concen: 48.279 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 293849

Ion Ratio Lower Upper

112 100

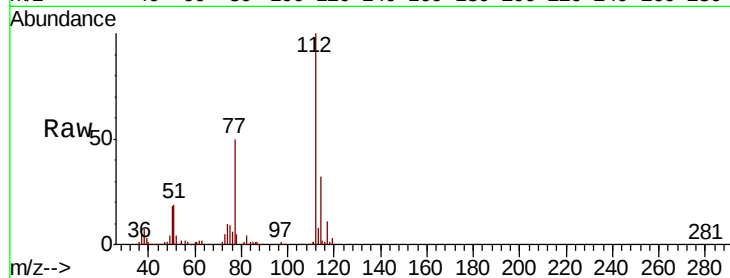
114 31.9 25.1 37.7

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

100000

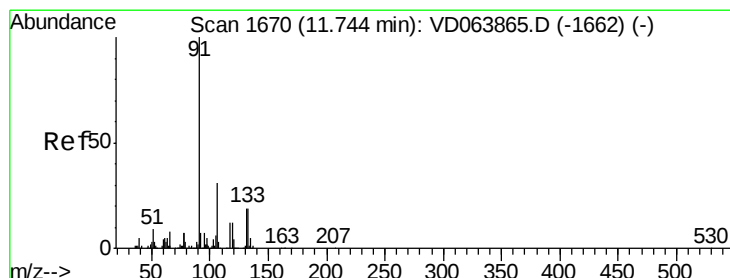
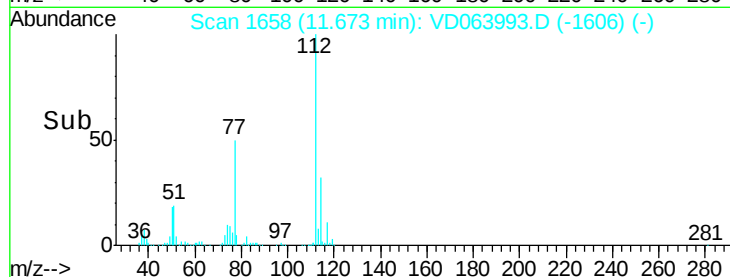
50000

0

11.67

11.60 11.70 11.80

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.359 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

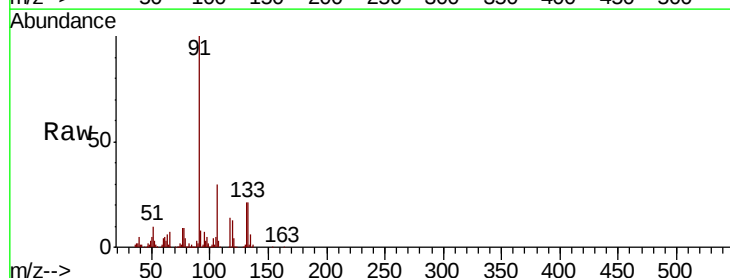
Tgt Ion:131 Resp: 108456

Ion Ratio Lower Upper

131 100

133 98.0 48.9 146.7

119 65.2 32.6 97.8



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

80000

60000

40000

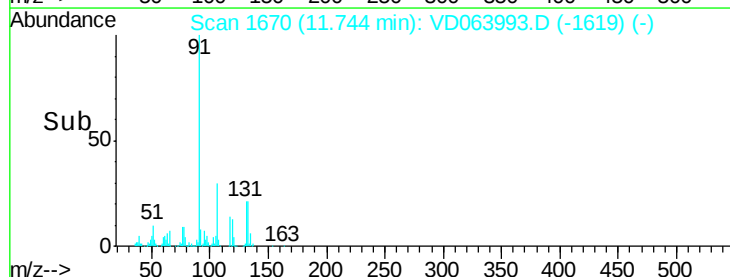
20000

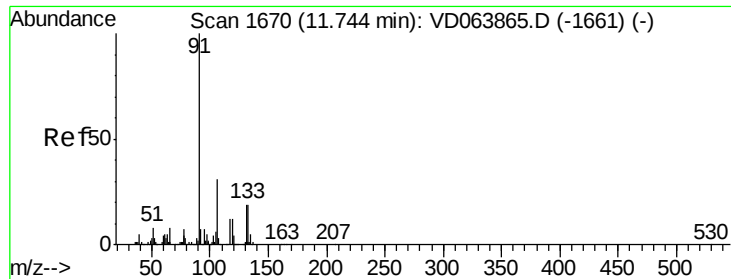
0

11.74

11.70 11.80

Time-->





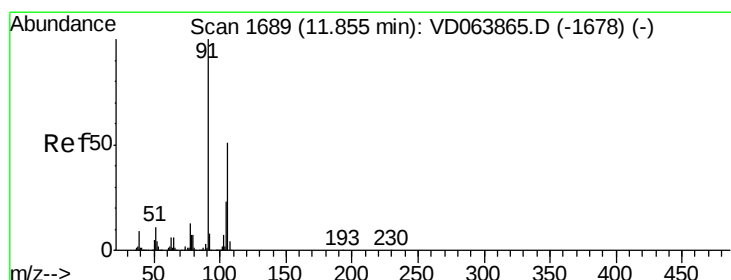
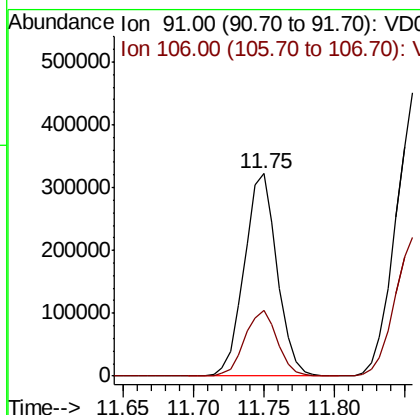
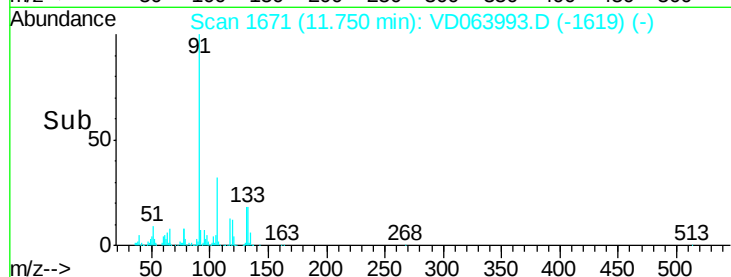
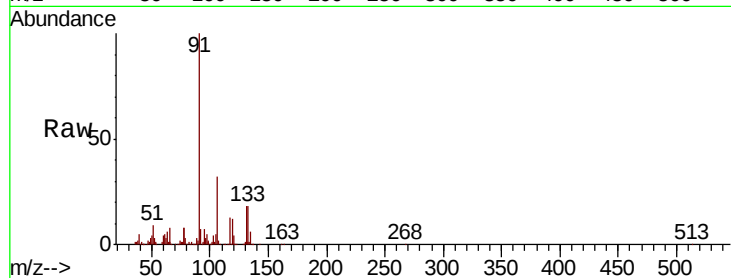
#67
Ethyl Benzene
Concen: 47.857 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 525238
Ion Ratio Lower Upper
91 100
106 32.5 24.6 37.0

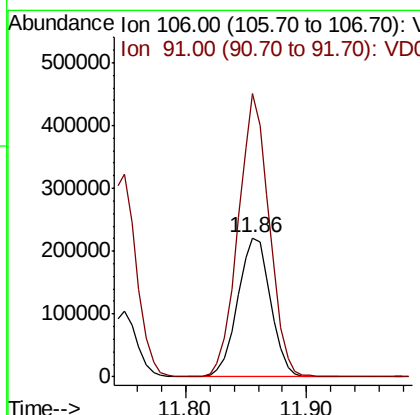
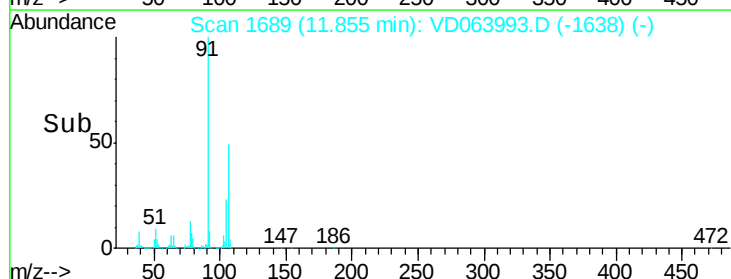
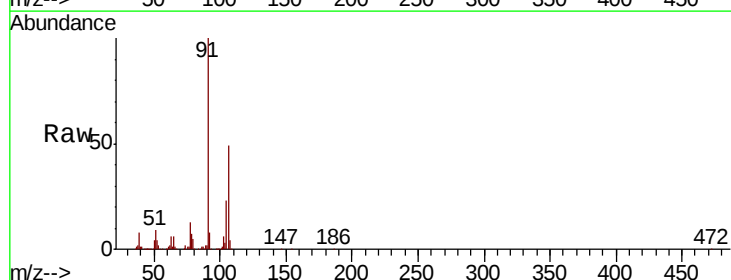
Manual Integrations
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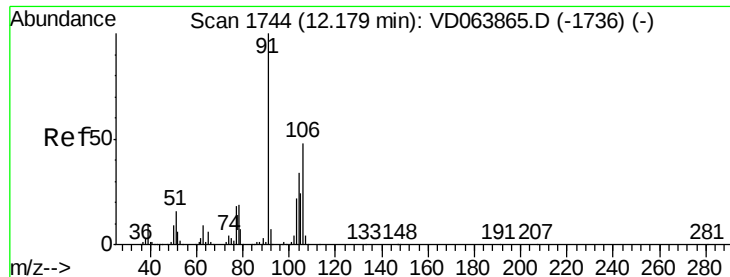
MMDadoda
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#68
m/p-Xylenes
Concen: 99.048 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion: 106 Resp: 419582
Ion Ratio Lower Upper
106 100
91 192.2 154.8 232.2





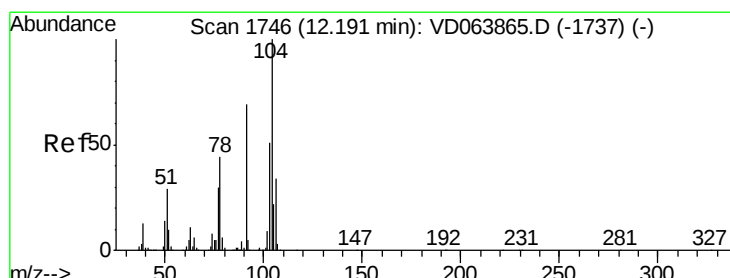
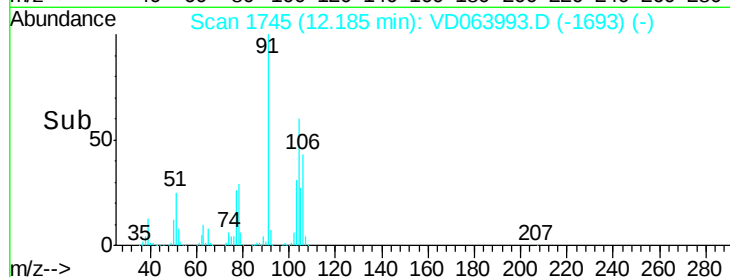
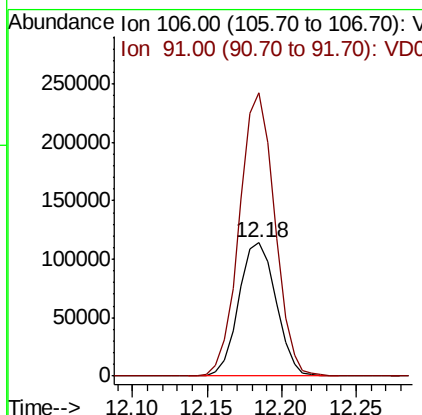
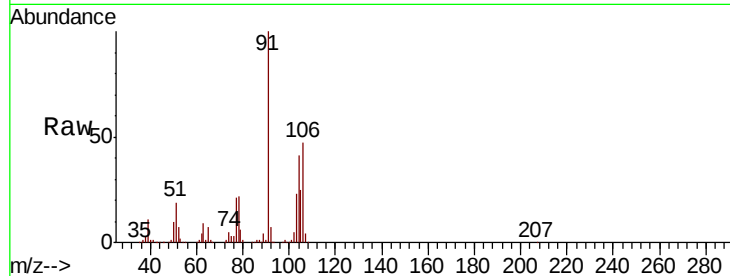
#69
o-Xylene
Concen: 48.847 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.5	103.9	311.7

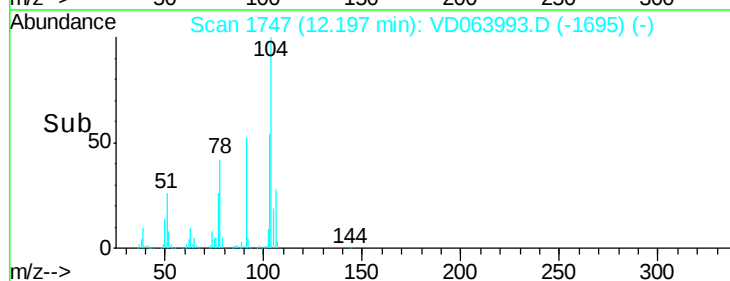
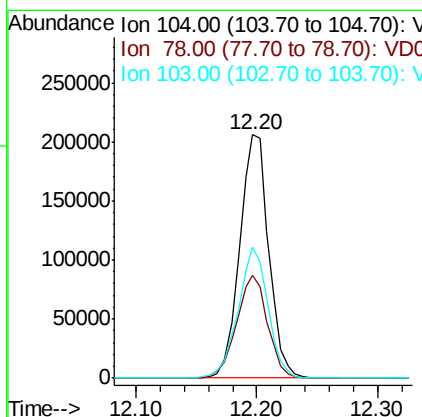
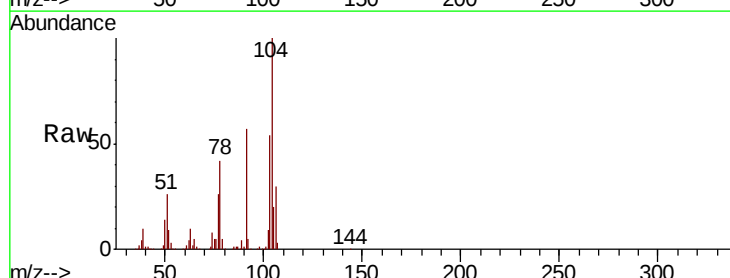
Manual Integrations
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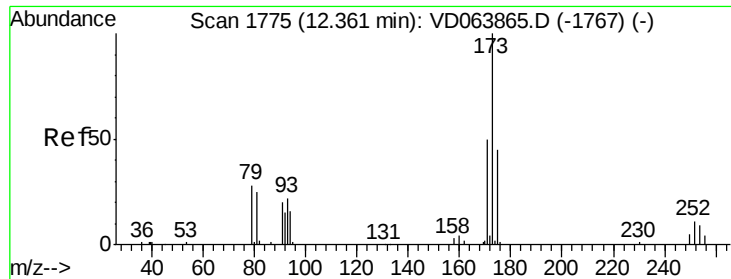
MMDadoda
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#70
Styrene
Concen: 50.281 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.9	37.0	55.4
103	55.3	44.2	66.4





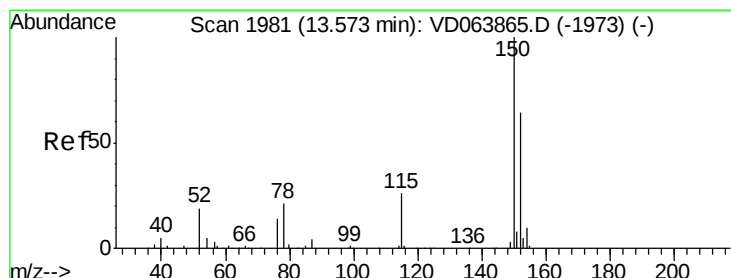
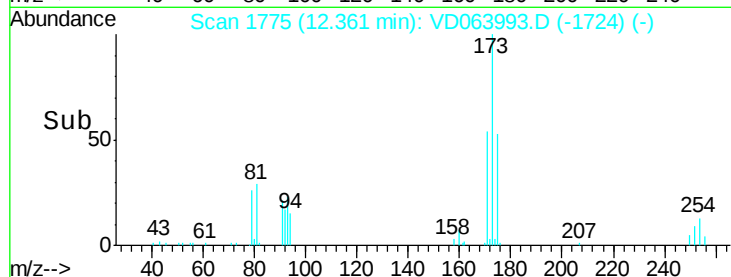
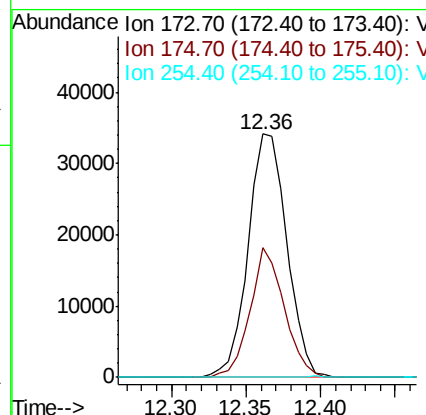
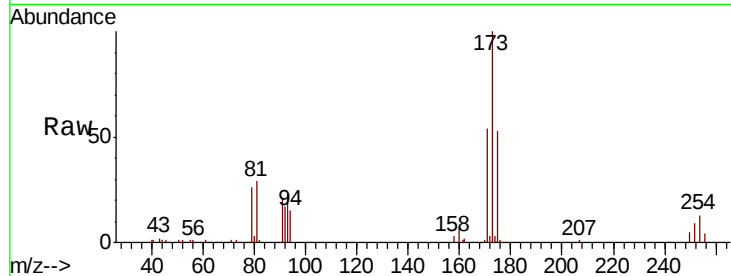
#71
Bromoform
Concen: 50.822 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.6	74.0
254	0.0	0.0	0.0

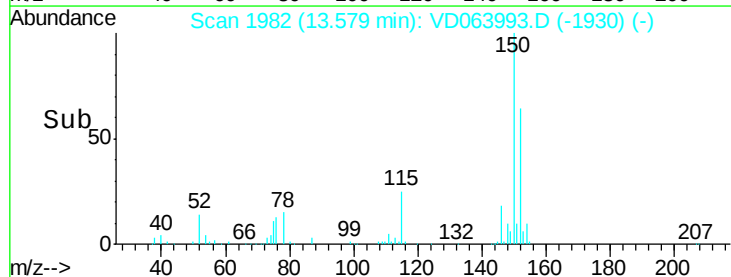
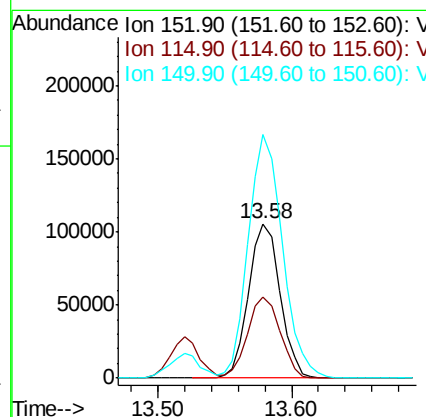
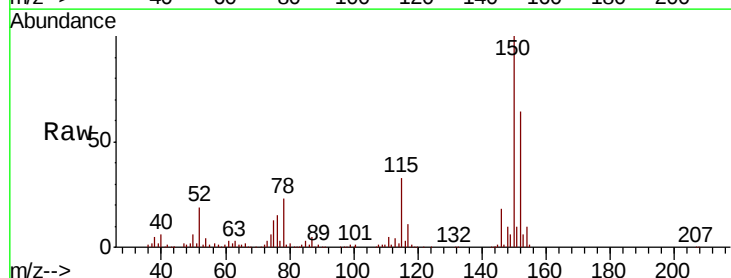
Manual Integrations
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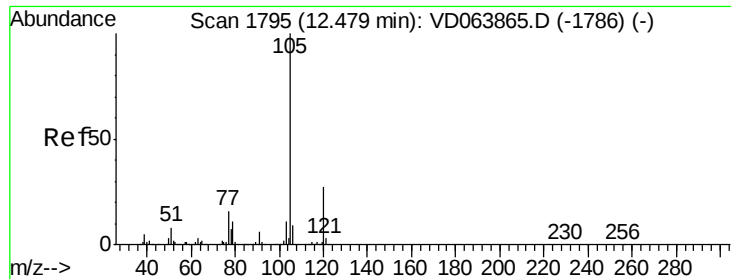
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	25.9	77.7
150	171.4	0.0	344.2





#73

Isopropylbenzene

Concen: 45.965 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 531686

Ion Ratio Lower Upper

105 100

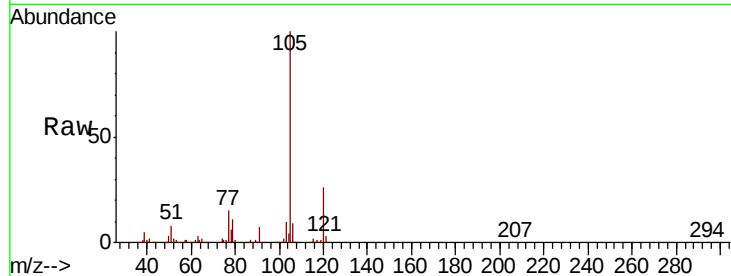
120 27.5 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

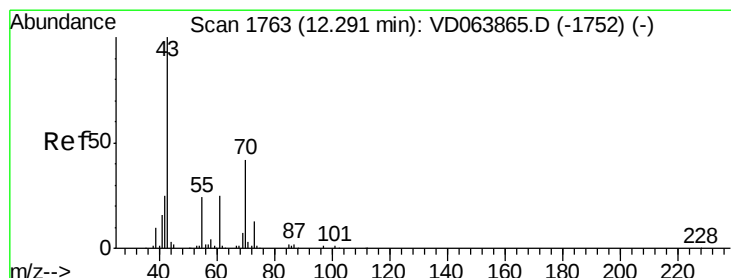
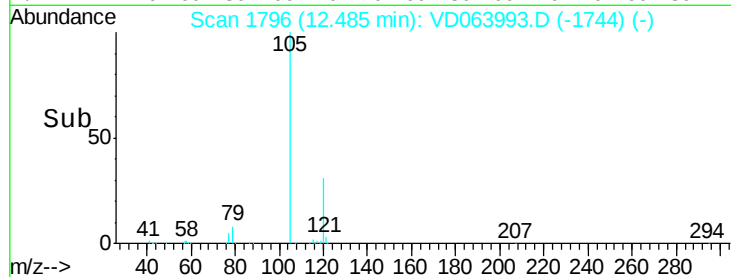
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 42.283 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Tgt Ion: 43 Resp: 105305

Ion Ratio Lower Upper

43 100

70 45.3 35.8 53.6

55 25.4 19.4 29.0

61 25.1 20.4 30.6

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

100000

80000

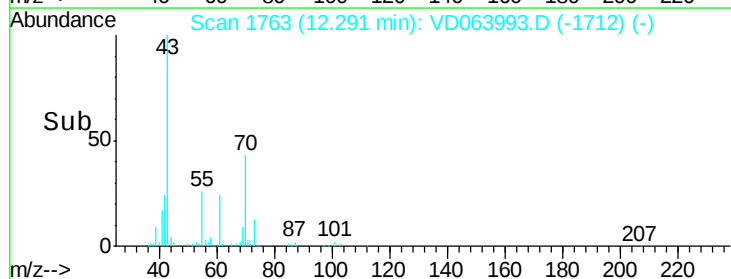
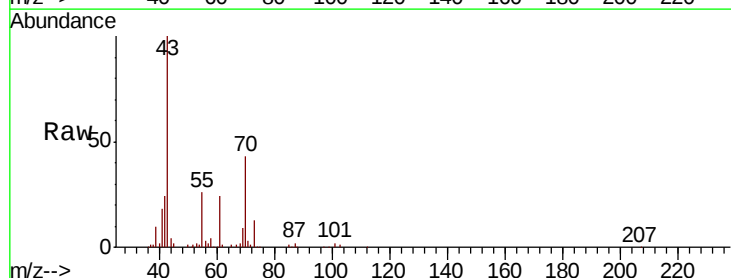
60000

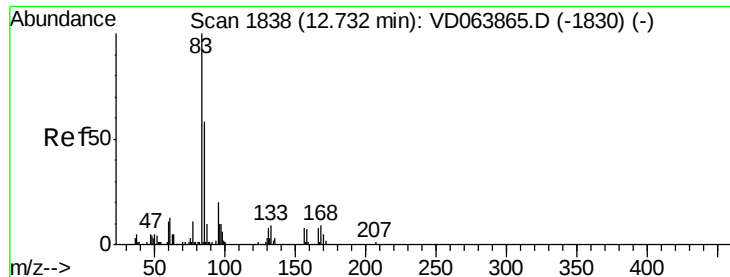
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.350 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

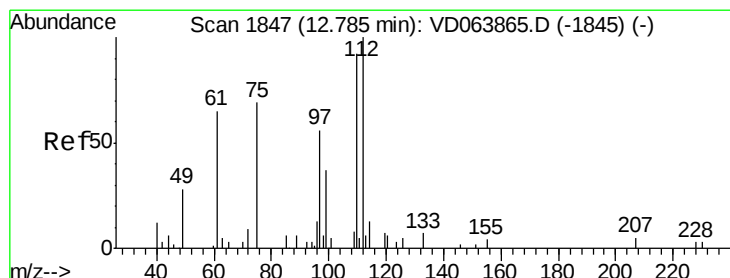
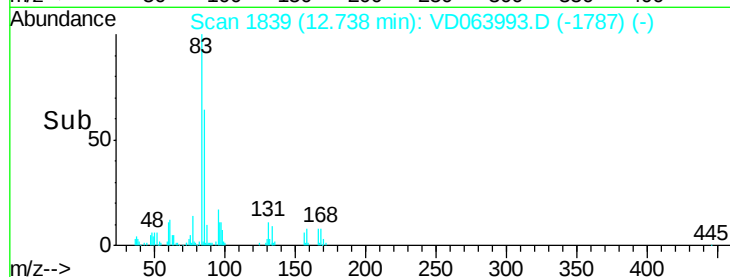
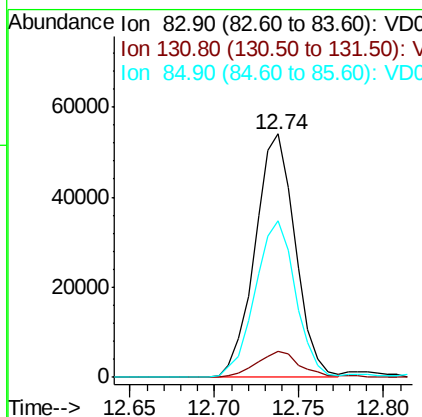
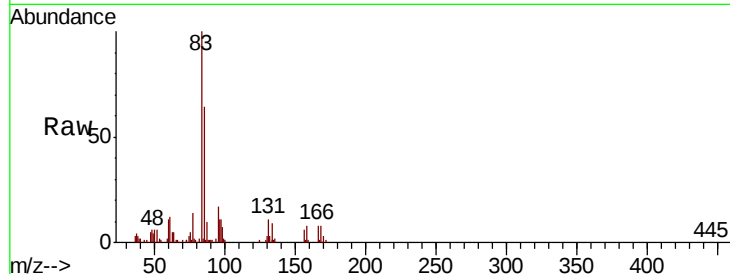
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	89271
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.6	16.8
85	64.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.585 ug/l m

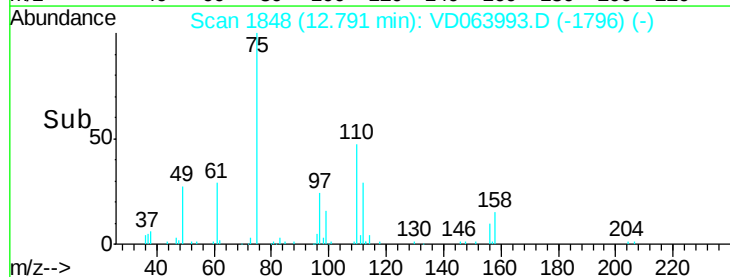
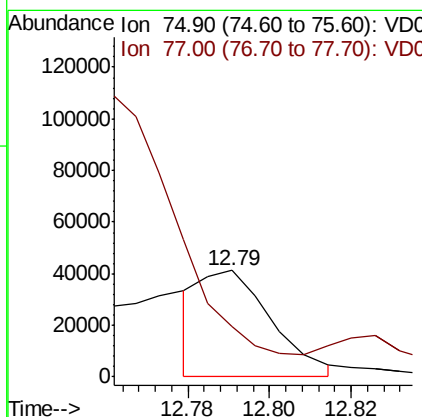
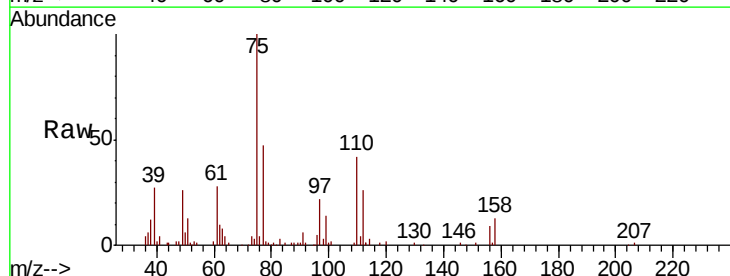
RT: 12.79 min Scan# 1848

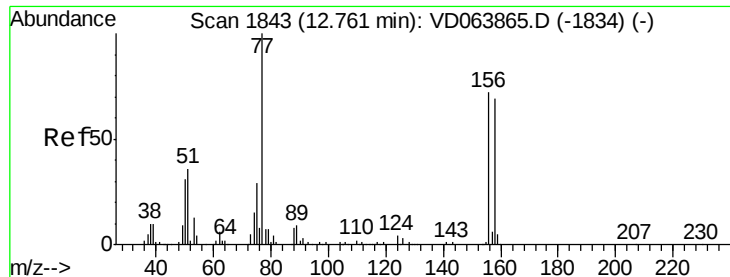
Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Tgt Ion:	75	Resp:	50230
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.863 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

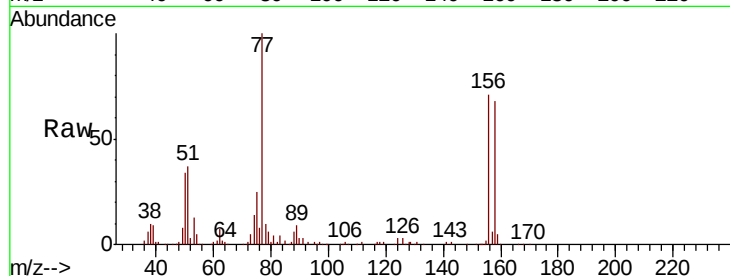
ClientSampleId :

VSTDCCC050EC

Tot Ion	156	Resp	132173
Ion	Ratio	Lower	Upper
156	100		
77	154.1	80.3	241.0
158	97.7	47.4	142.2

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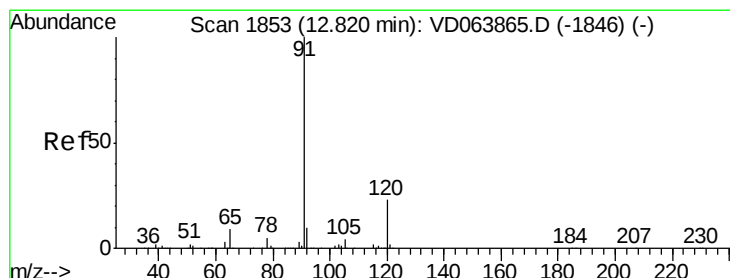
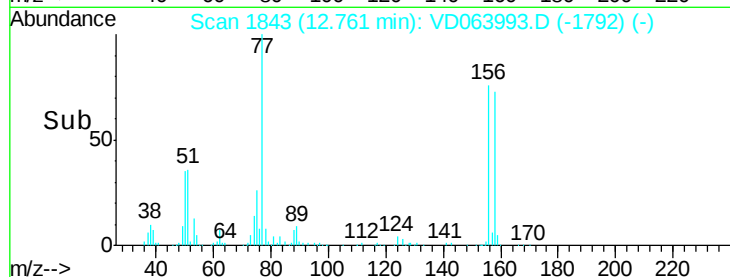
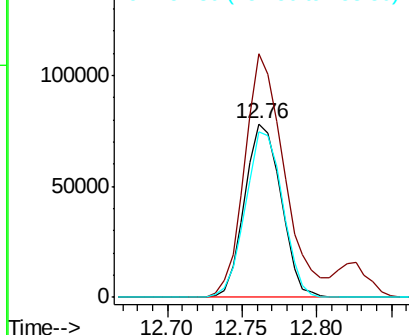


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.762 ug/l

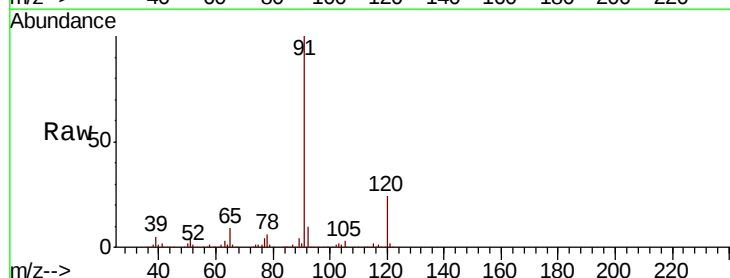
RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

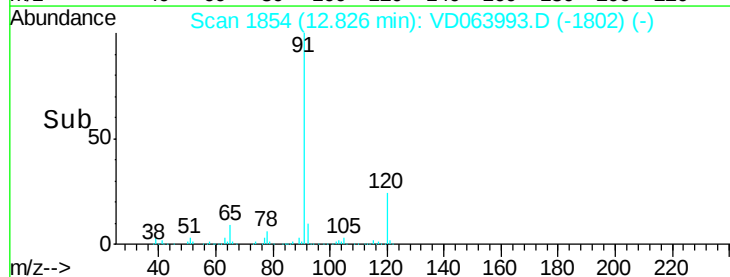
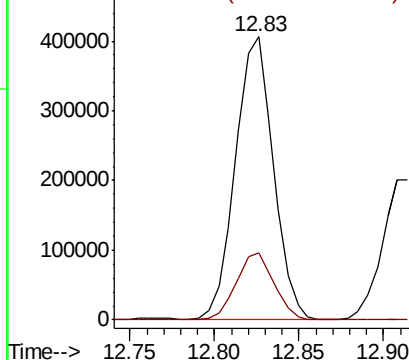
Tgt Ion	91	Resp	634914
Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.0	36.0

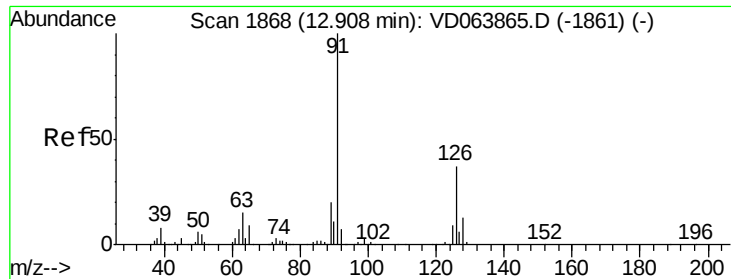


Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





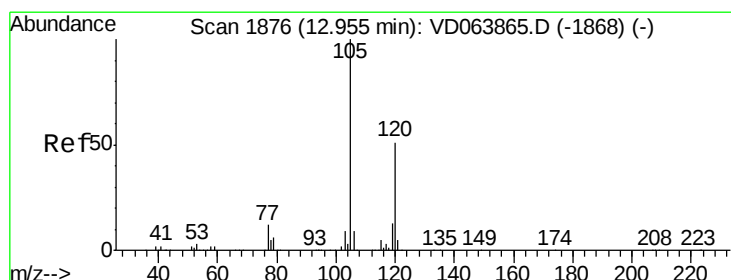
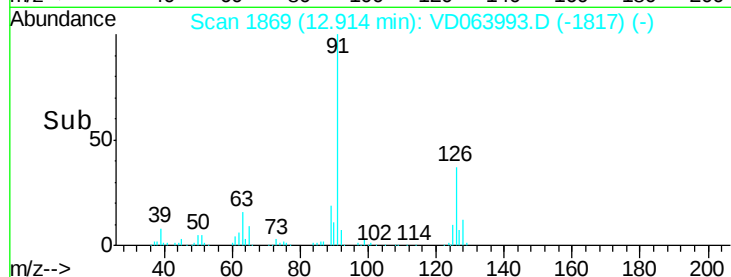
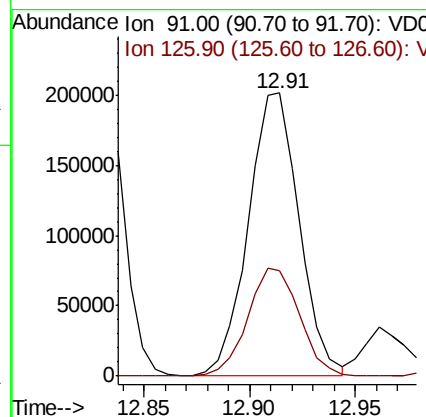
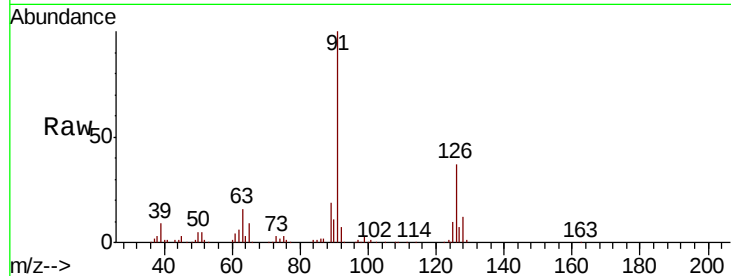
#79
2-Chlorotoluene
Concen: 45.046 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 337242
Ion Ratio Lower Upper
91 100
126 38.8 18.4 55.2

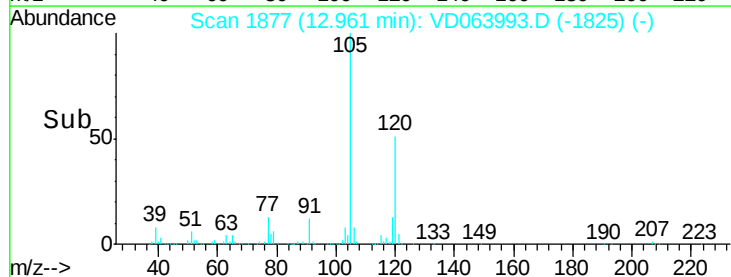
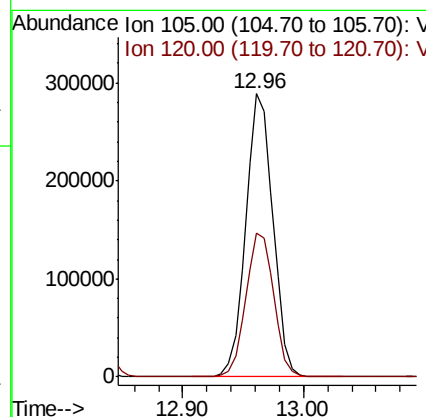
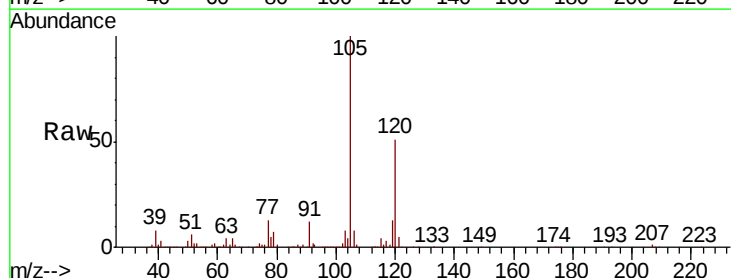
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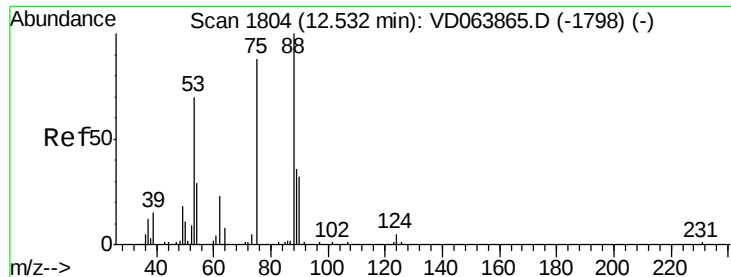
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#80
1,3,5-Trimethylbenzene
Concen: 46.984 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion: 105 Resp: 453412
Ion Ratio Lower Upper
105 100
120 52.1 25.9 77.8





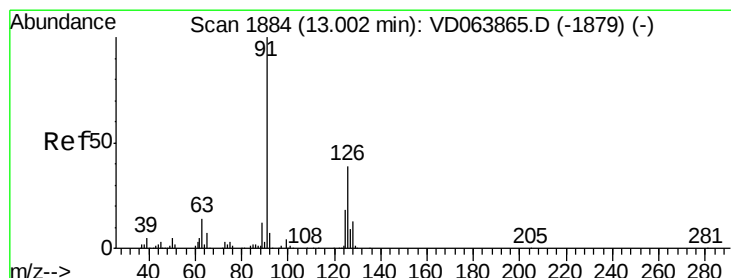
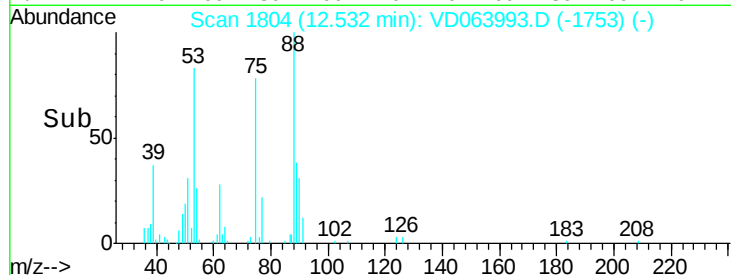
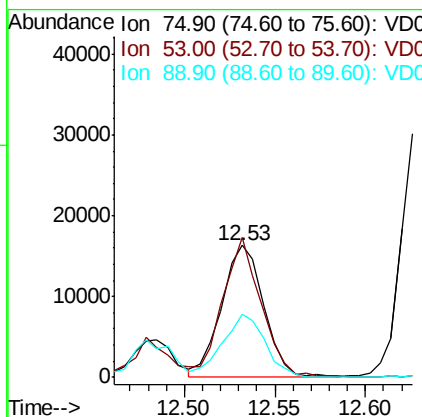
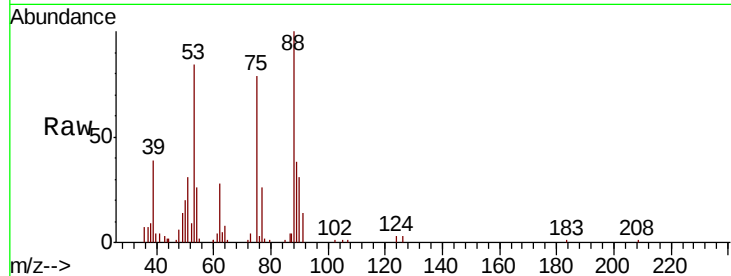
#81
trans-1,4-Dichloro-2-butene
Concen: 40.537 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	75.0	112.6
89	48.3	38.2	57.4

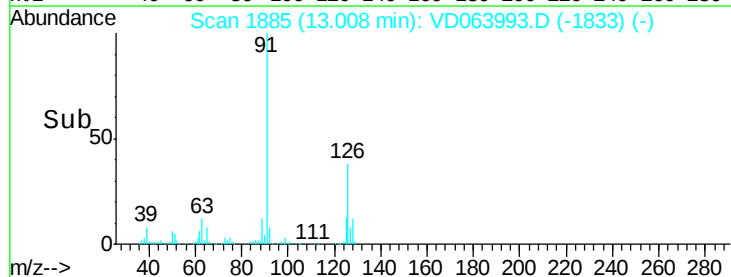
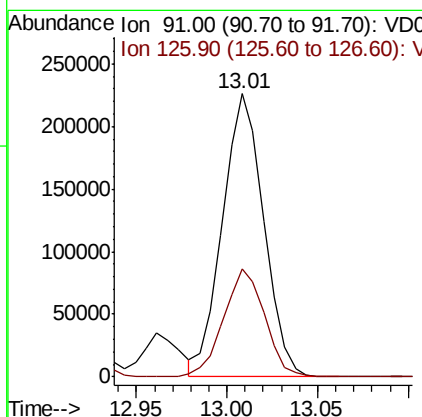
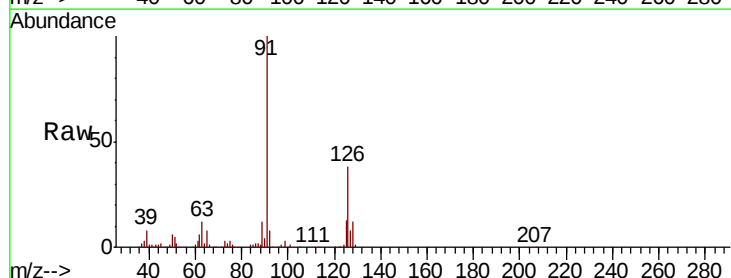
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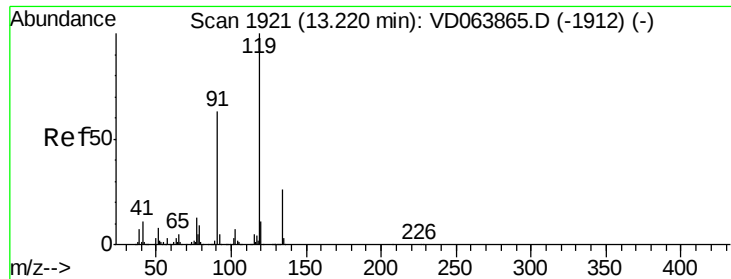
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#82
4-Chlorotoluene
Concen: 44.995 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.1	18.6	55.8





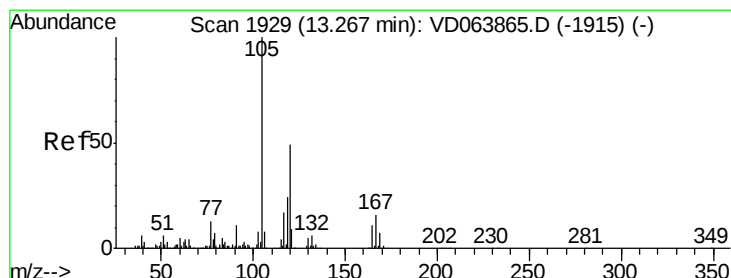
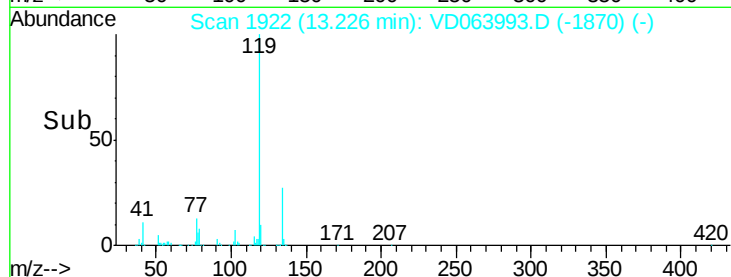
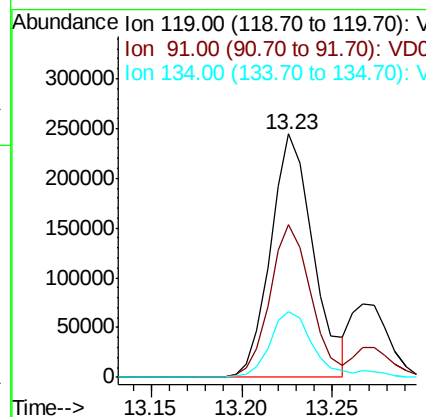
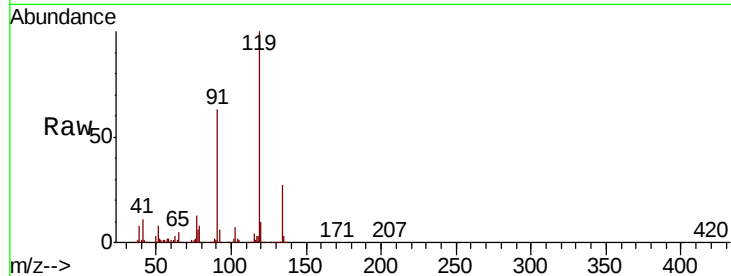
#83
tert-Butylbenzene
Concen: 46.729 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.0	90.0
134	28.2	13.0	38.9

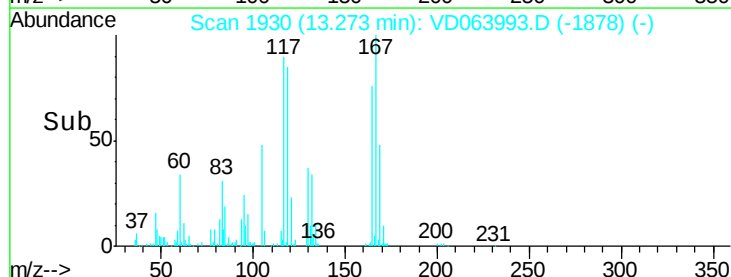
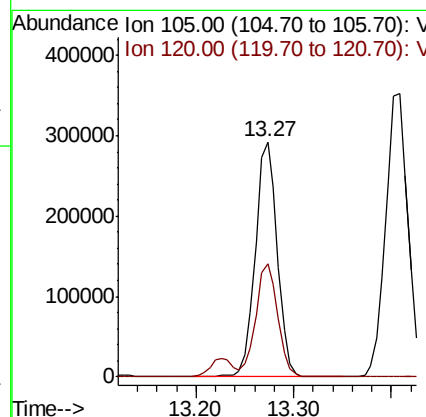
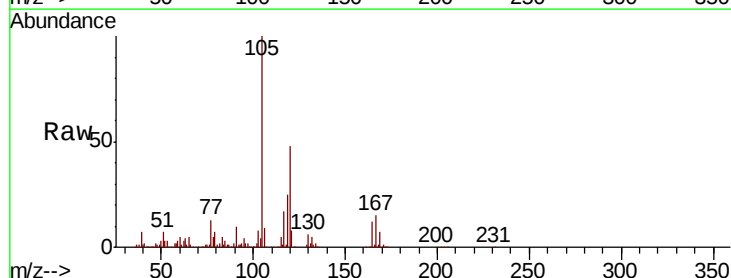
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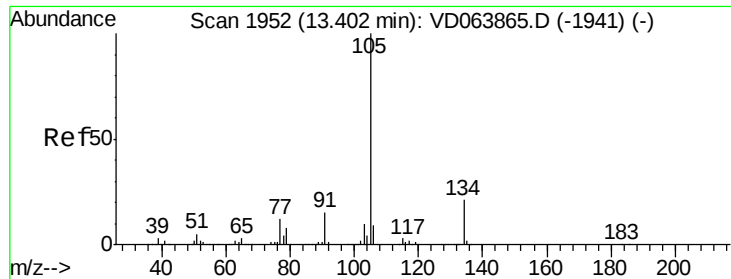
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#84
1,2,4-Trimethylbenzene
Concen: 46.529 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.8	71.5





#85

sec-Butylbenzene

Concen: 48.166 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 558656

Ion Ratio Lower Upper

105 100

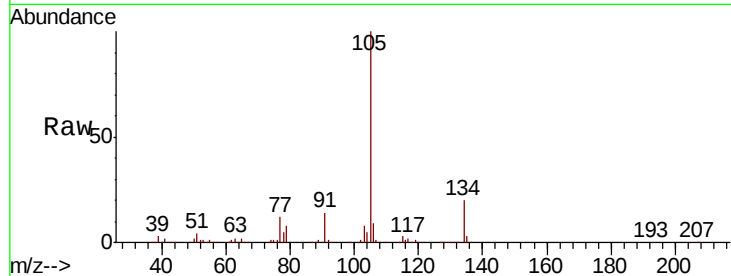
134 20.3 10.6 31.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

400000

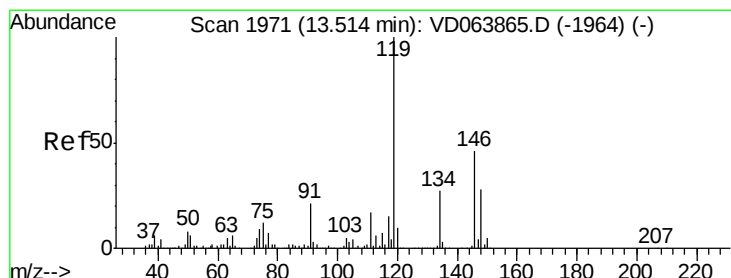
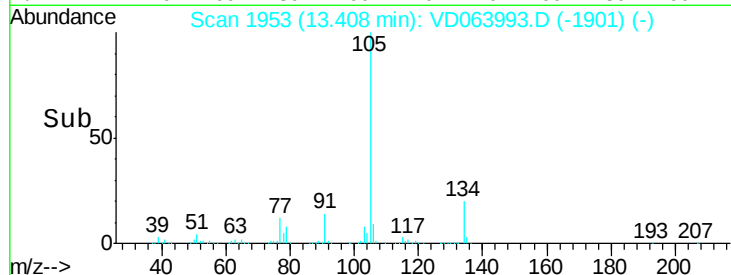
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 48.302 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

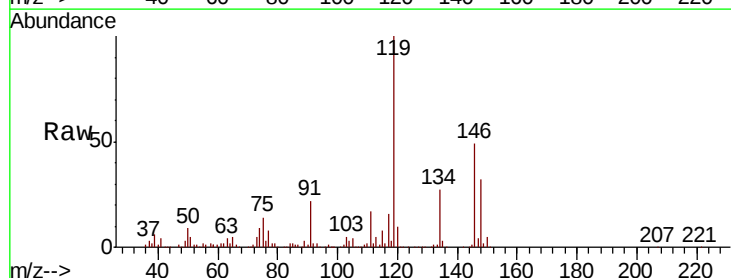
Tgt Ion:119 Resp: 530128

Ion Ratio Lower Upper

119 100

134 26.8 13.9 41.6

91 22.2 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

400000

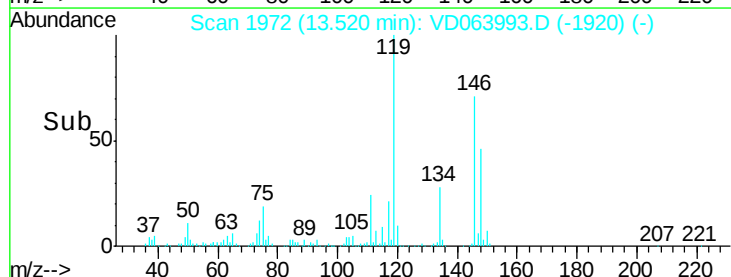
300000

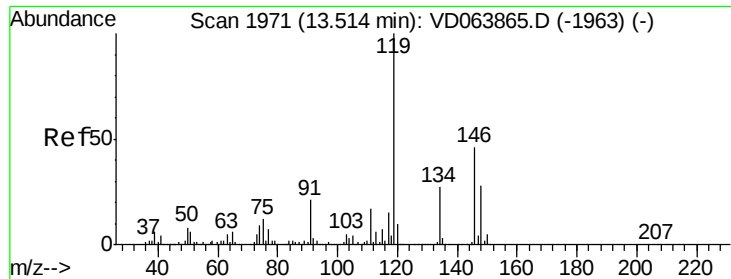
200000

100000

0

Time--> 13.45 13.50 13.55





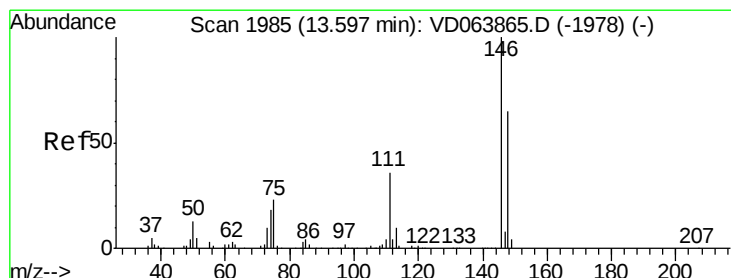
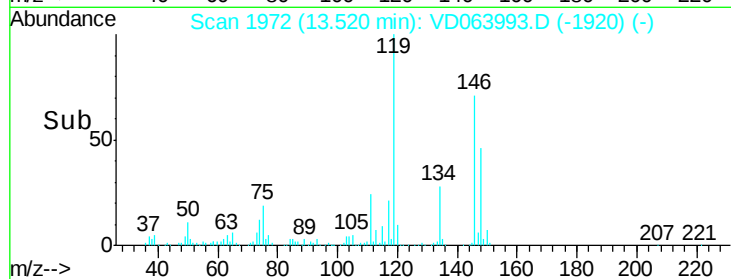
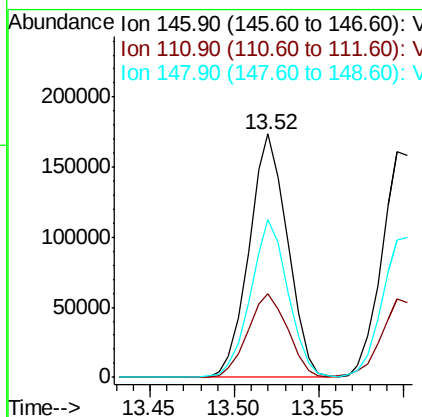
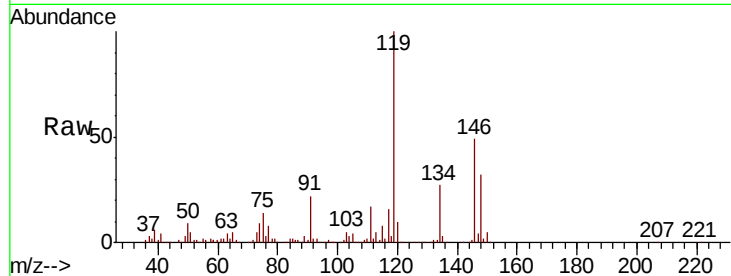
#87
 1,3-Dichlorobenzene
 Concen: 48.105 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.3	54.9
148	63.1	31.8	95.4

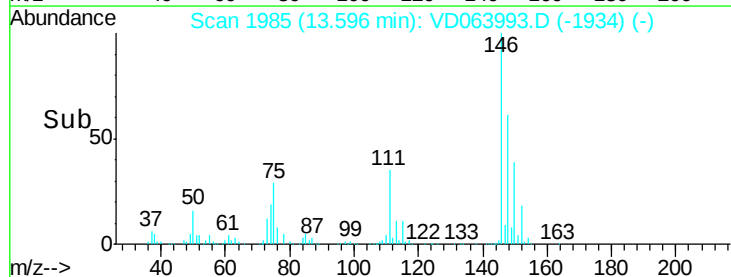
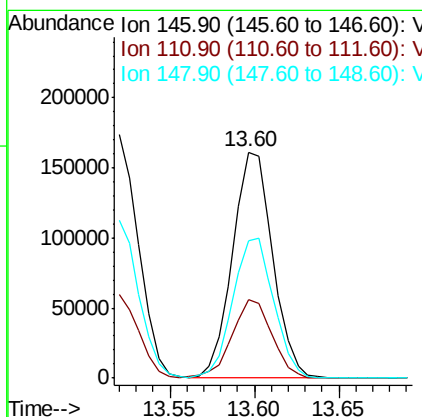
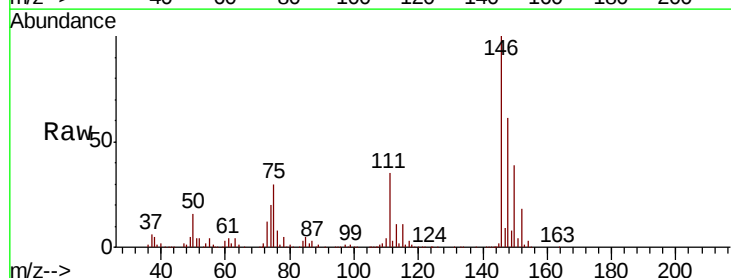
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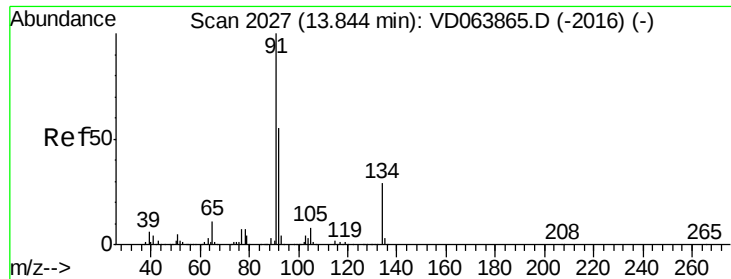
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#88
 1,4-Dichlorobenzene
 Concen: 47.636 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	18.6	56.0
148	63.0	32.6	98.0





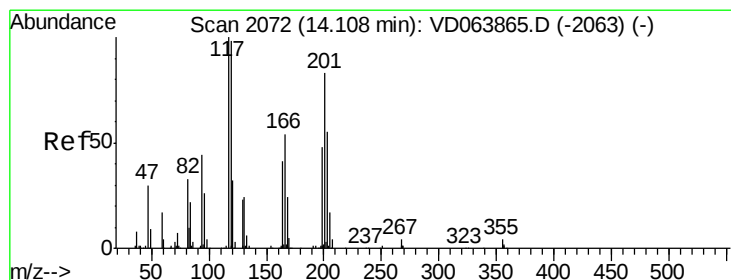
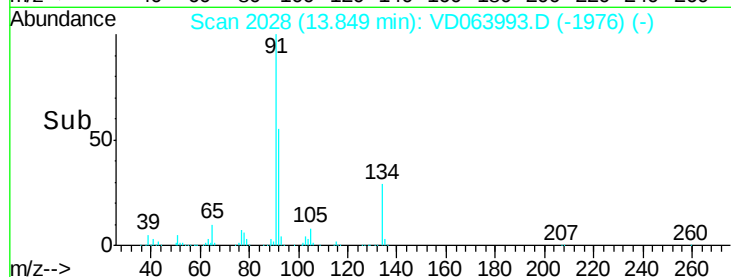
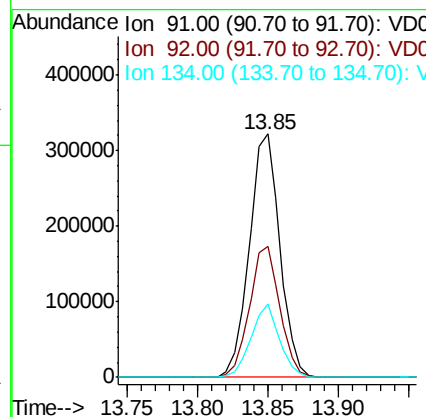
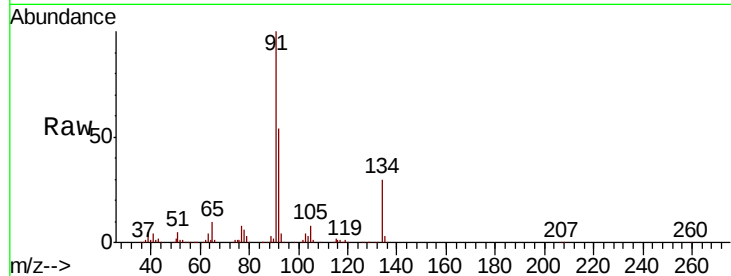
#89
n-Butylbenzene
Concen: 47.805 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	28.1	14.4	43.0

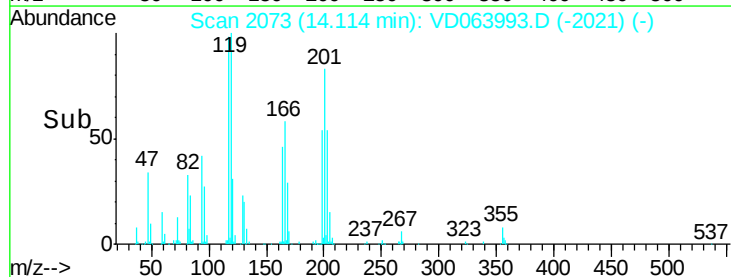
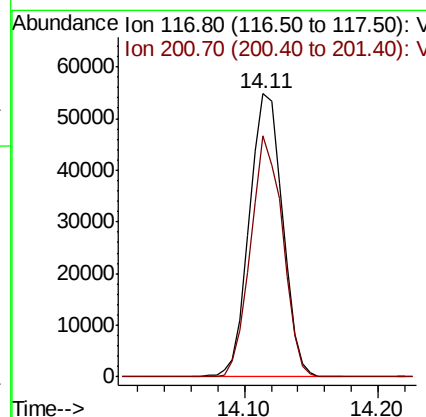
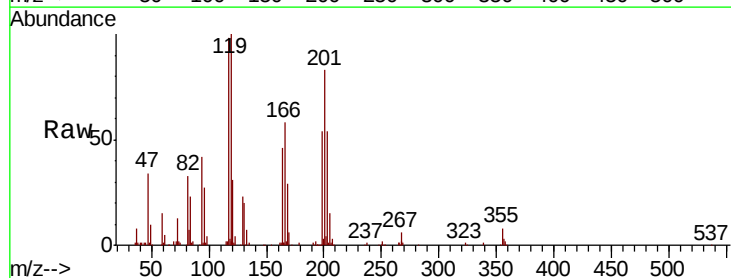
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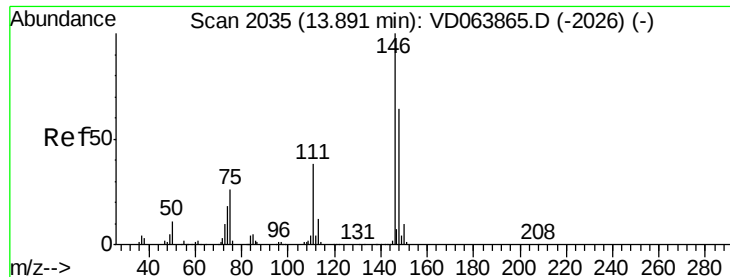
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#90
Hexachloroethane
Concen: 47.624 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063993.D
Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	40.6	121.7





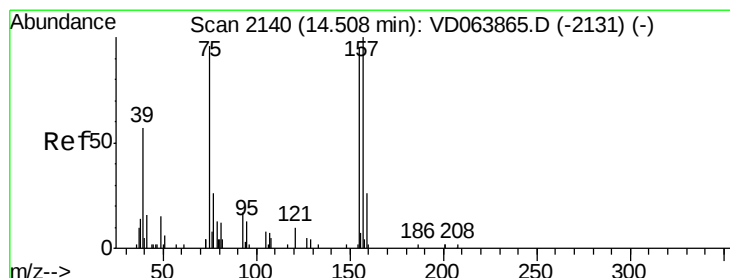
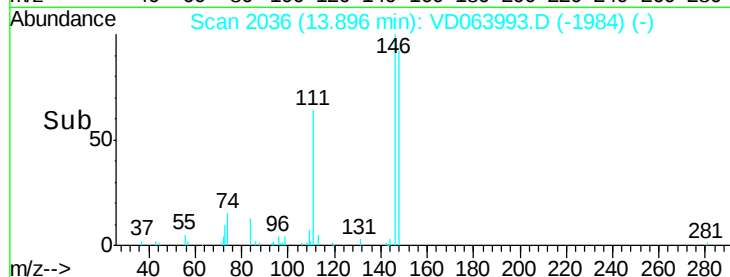
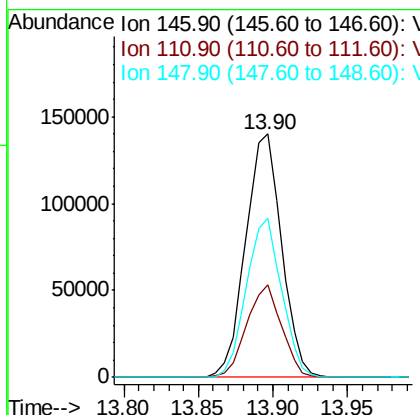
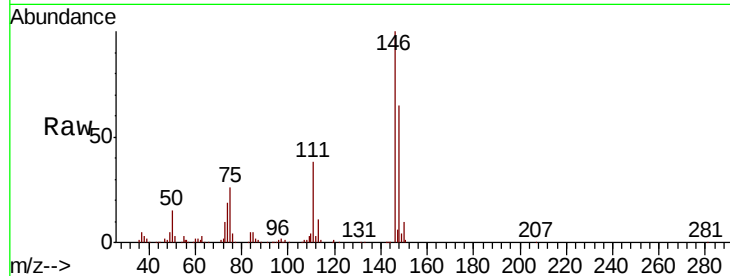
#91
 1,2-Dichlorobenzene
 Concen: 47.704 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.6
148	63.6	31.6	95.0

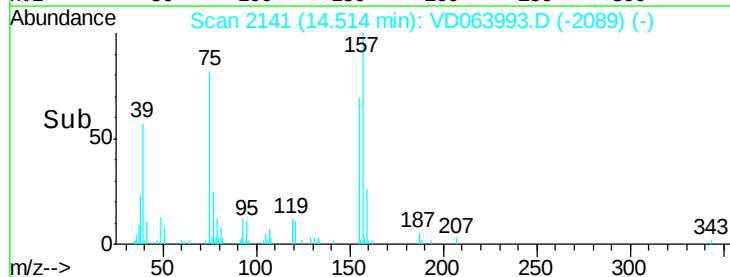
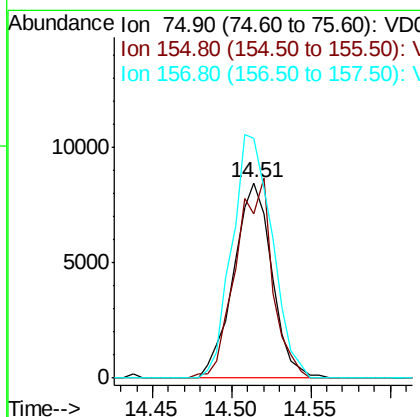
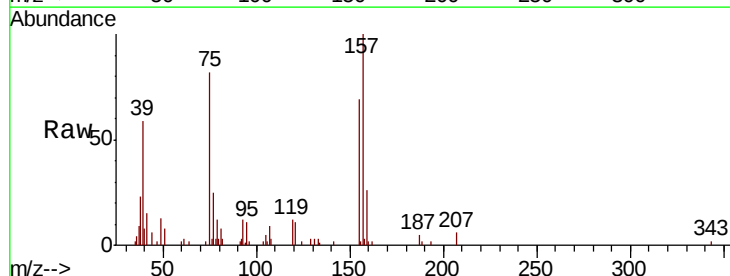
Manual Integrations
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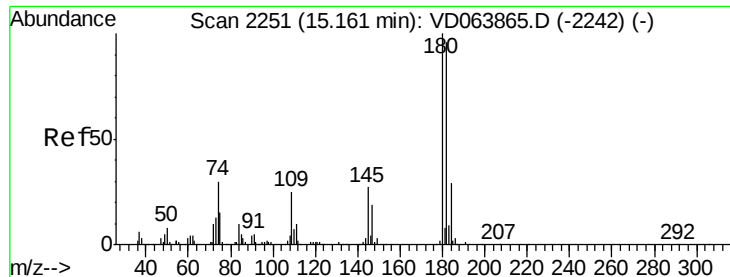
MMDadoda
 10/18/2019 12:49:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.383 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	43.9	131.6
157	130.0	56.0	167.9





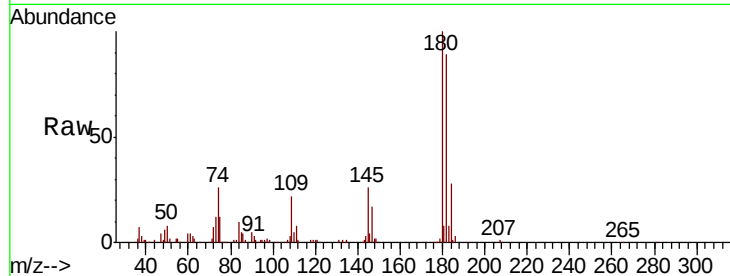
#93
 1,2,4-Trichlorobenzene
 Concen: 47.022 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

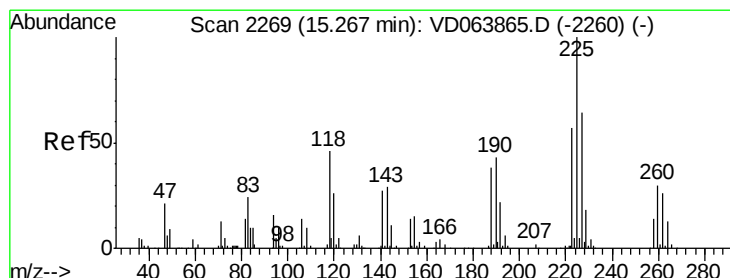
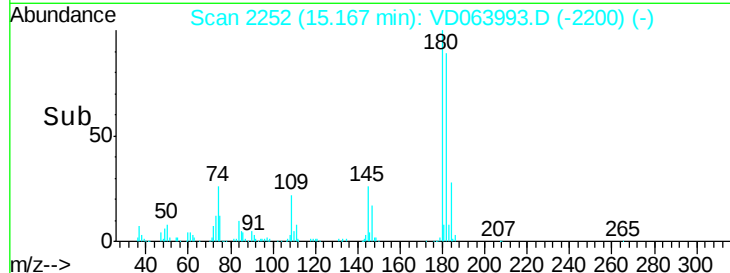
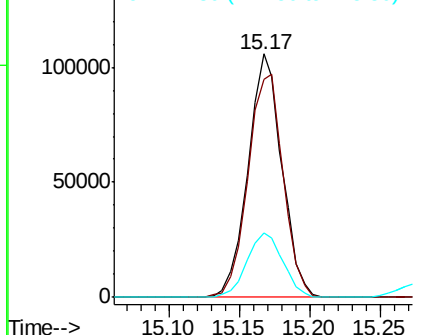
Tot Ion:	180	Resp:	178050
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.4	142.3
145	28.2	13.9	41.7

Manual Integrations
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MMDadoda
 10/18/2019 12:49:52 AM

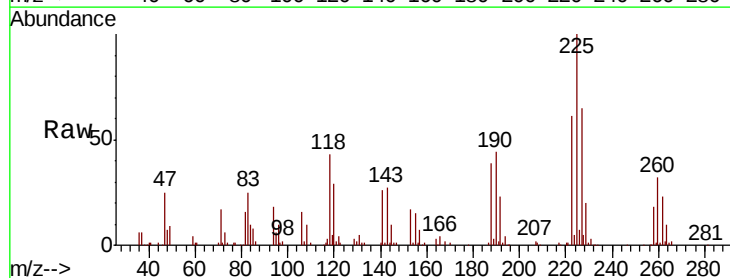


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

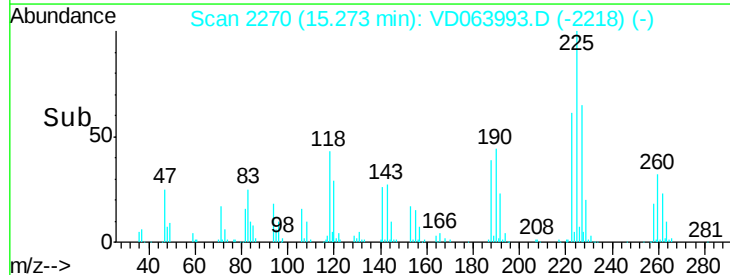
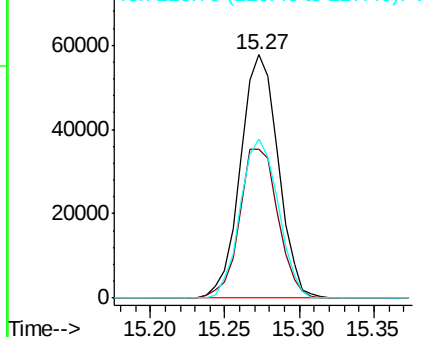


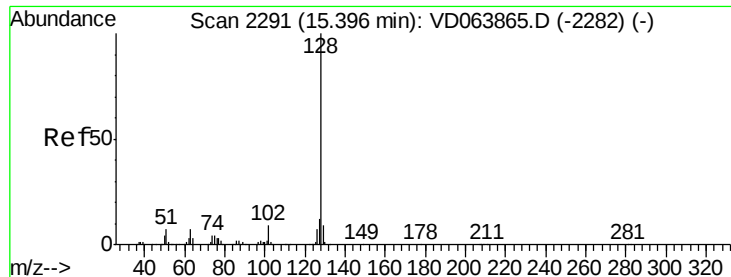
#94
 Hexachlorobutadiene
 Concen: 48.364 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063993.D
 Acq: 16 Oct 2019 18:07

Tgt Ion:	225	Resp:	101056
Ion Ratio	Lower	Upper	
225	100		
223	62.4	29.5	88.6
227	65.6	30.8	92.4



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





#95

Naphthalene

Concen: 48.300 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Instrument :

MSVOA_D

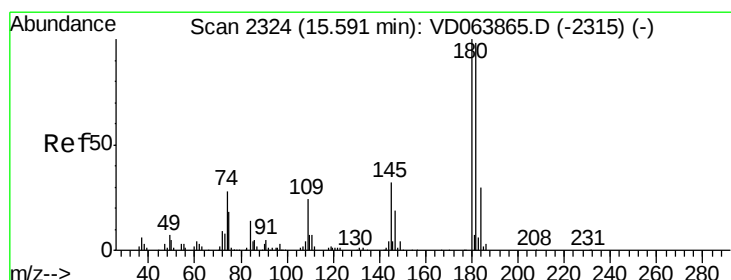
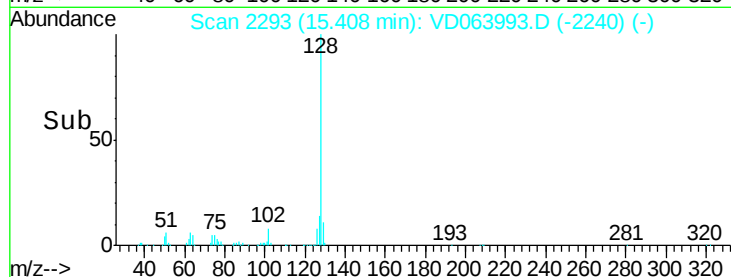
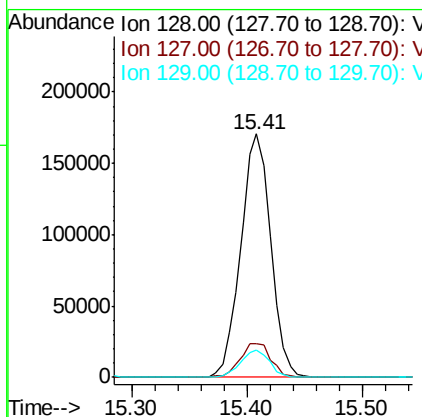
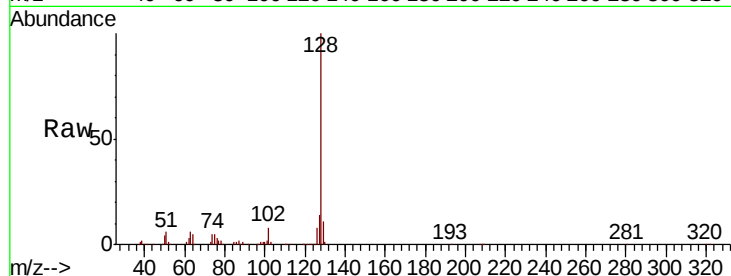
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	307390
Ion Ratio	Lower	Upper	
128	100		
127	14.5	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:49:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.239 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD063993.D

Acq: 16 Oct 2019 18:07

Tgt Ion:	180	Resp:	154327
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.0	141.0
145	29.9	15.3	45.9

