

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063901.D
 Acq On : 10 Oct 2019 10:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 10:23:55 AM

Quant Time: Oct 11 07:45:03 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	7.98	168	206323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	313944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	315331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	174147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	102219	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	7.92	113	102023	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.34	98	435135	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
62) 4-Bromofluorobenzene	12.63	95	146210	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	66107	45.180	ug/l	92
3) Chloromethane	2.21	50	214186	54.594	ug/l	97
4) Vinyl Chloride	2.35	62	247206	52.274	ug/l	99
5) Bromomethane	2.77	94	147201	48.417	ug/l	99
6) Chloroethane	2.92	64	158494	50.678	ug/l	97
7) Trichlorofluoromethane	3.27	101	351379	56.198	ug/l	97
8) Diethyl Ether	3.70	74	46690	46.524	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92689	53.554	ug/l	99
10) Methyl Iodide	4.30	142	116689	48.929	ug/l	98
11) Tert butyl alcohol	5.24	59	32538	232.607	ug/l	98
12) 1,1-Dichloroethene	4.06	96	86927	50.271	ug/l	98
13) Acrolein	3.93	56	40912	228.042	ug/l	91
14) Allyl chloride	4.71	41	139569	48.548	ug/l	98
15) Acrylonitrile	5.43	53	109330	247.095	ug/l	96
16) Acetone	4.17	43	140573	268.794	ug/l	94
17) Carbon Disulfide	4.40	76	303048	48.213	ug/l #	93
18) Methyl Acetate	4.73	43	50559	49.428	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	213347	47.647	ug/l	97
20) Methylene Chloride	4.97	84	111731	48.031	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	112377	52.206	ug/l	98
22) Diisopropyl ether	6.37	45	291975	49.729	ug/l	96
23) Vinyl Acetate	6.31	43	869658	248.987	ug/l	99
24) 1,1-Dichloroethane	6.27	63	182684	50.514	ug/l	96
25) 2-Butanone	7.23	43	157784	254.579	ug/l	96
26) 2,2-Dichloropropane	7.21	77	174420	53.316	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124789	51.217	ug/l	98
28) Bromochloromethane	7.56	49	73761	53.510	ug/l	98
29) Tetrahydrofuran	7.57	42	81281	224.685	ug/l	99
30) Chloroform	7.71	83	196472	50.019	ug/l	92
31) Cyclohexane	7.98	56	170090	57.483	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	181879	53.979	ug/l	99
36) 1,1-Dichloropropene	8.11	75	158284	55.142	ug/l	99
37) Ethyl Acetate	7.30	43	61263	53.505	ug/l	99
38) Carbon Tetrachloride	8.10	117	165183	56.945	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	202113	57.266	ug/l	94
40) Benzene	8.36	78	450104	54.718	ug/l	100
41) Methacrylonitrile	7.53	41	32062	48.177	ug/l	89
42) 1,2-Dichloroethane	8.43	62	119952	50.411	ug/l	99
43) Isopropyl Acetate	8.46	43	116023	48.197	ug/l	99
44) Trichloroethene	9.11	130	129130	54.439	ug/l	91
45) 1,2-Dichloropropane	9.40	63	104093	51.700	ug/l	92
46) Dibromomethane	9.48	93	61197	53.370	ug/l	99
47) Bromodichloromethane	9.66	83	156332	52.954	ug/l	98
48) Methyl methacrylate	9.46	41	54865	47.568	ug/l	98
49) 1,4-Dioxane	9.46	88	16555	1057.699	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	301073	241.154	ug/l	98
52) Toluene	10.41	92	309239	54.762	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	156031	54.162	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	180145	54.323	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	86926	53.690	ug/l	93
56) Ethyl methacrylate	10.66	69	102368	49.929	ug/l	96
57) 1,3-Dichloropropane	10.95	76	142030	51.272	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	212594	241.231	ug/l	98
59) 2-Hexanone	10.99	43	240796	266.631	ug/l	100
60) Dibromochloromethane	11.14	129	117741	55.859	ug/l	97
61) 1,2-Dibromoethane	11.25	107	87449	55.714	ug/l	93
64) Tetrachloroethene	10.88	164	118648	55.116	ug/l	93
65) Chlorobenzene	11.67	112	346427	54.704	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	128240	54.957	ug/l	99
67) Ethyl Benzene	11.74	91	626965	54.905	ug/l	97
68) m/p-Xylenes	11.86	106	500973	113.663	ug/l	99
69) o-Xylene	12.18	106	232497	55.089	ug/l	96
70) Styrene	12.20	104	392868	54.989	ug/l	100
71) Bromoform	12.36	173	66363	52.993	ug/l #	96
73) Isopropylbenzene	12.48	105	638060	54.502	ug/l	97
74) N-amyl acetate	12.29	43	113287	44.945	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	97655	47.936	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	64853m	55.602	ug/l	
77) Bromobenzene	12.76	156	153881	52.758	ug/l	95
78) n-propylbenzene	12.82	91	758764	55.217	ug/l	100
79) 2-Chlorotoluene	12.91	91	402299	53.094	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	532670	54.538	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31543	47.856	ug/l	98
82) 4-Chlorotoluene	13.01	91	415018	51.633	ug/l	98
83) tert-Butylbenzene	13.23	119	473566	54.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	531474	52.783	ug/l	100
85) sec-Butylbenzene	13.40	105	667376	56.853	ug/l	100
86) p-Isopropyltoluene	13.52	119	636874	57.335	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	311886	54.117	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	305227	53.685	ug/l	99
89) n-Butylbenzene	13.84	91	586972	56.769	ug/l	99
90) Hexachloroethane	14.11	117	114254	57.189	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	267424	53.845	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15509	48.947	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	208115	54.306	ug/l	99
94) Hexachlorobutadiene	15.27	225	122216	57.792	ug/l	97
95) Naphthalene	15.40	128	341570	53.030	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	179628	54.327	ug/l	98

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

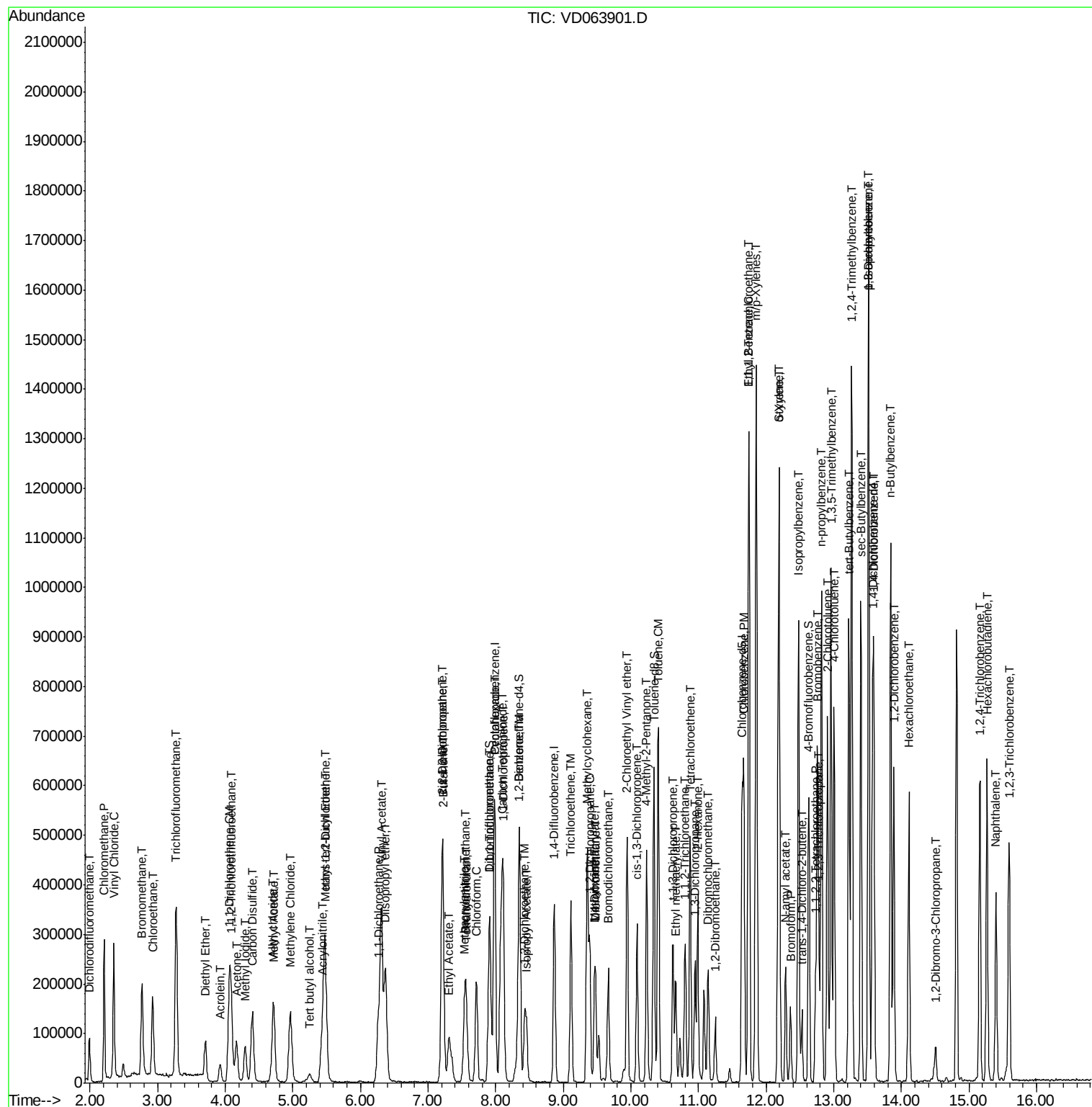
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Acq On : 10 Oct 2019 10:44
Operator : VA/SY
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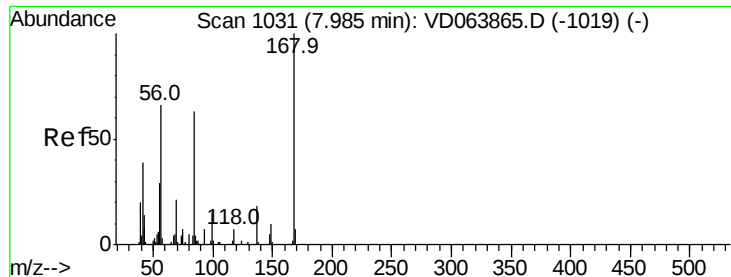
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 206323

Ion Ratio Lower Upper

168 100

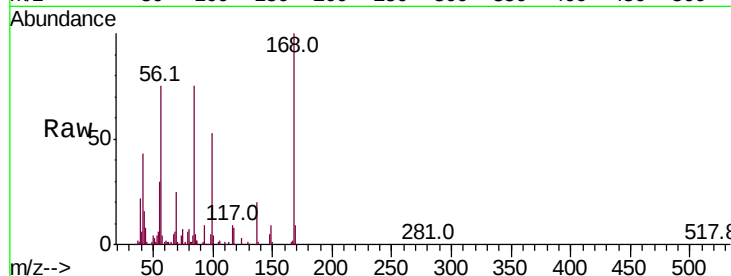
99 53.3 43.0 64.4

Manual Integrations

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10/11/2019 10:23:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

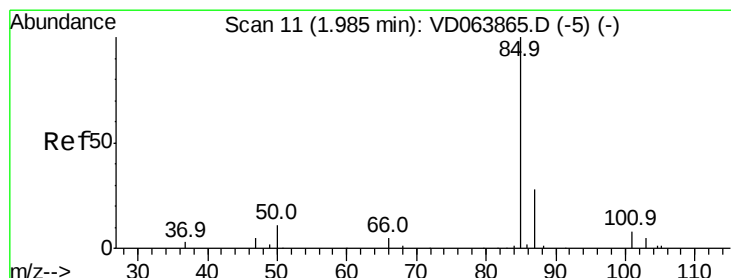
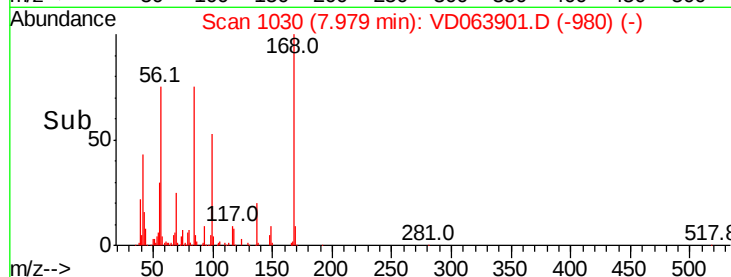
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.180 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063901.D

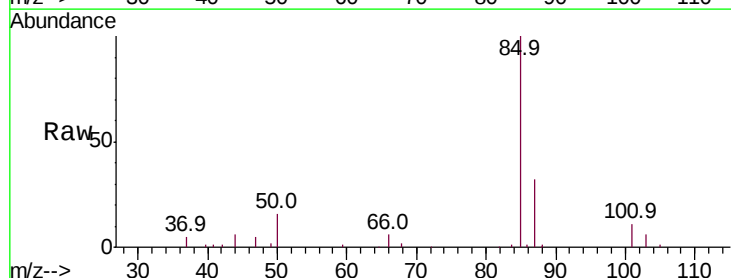
Acq: 10 Oct 2019 10:44

Tgt Ion: 85 Resp: 66107

Ion Ratio Lower Upper

85 100

87 32.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

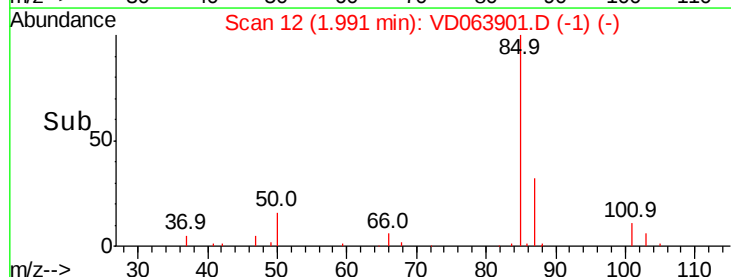
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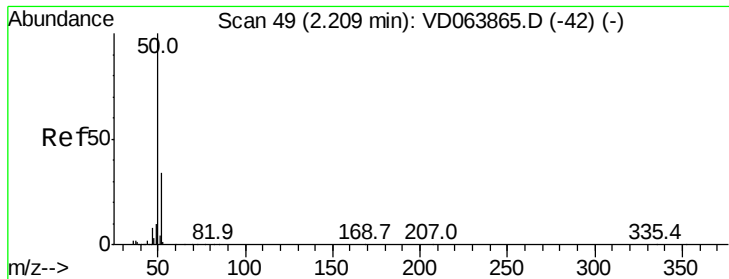
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 54.594 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 214186

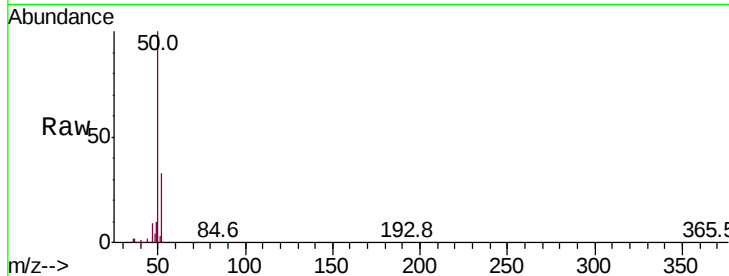
Ion Ratio Lower Upper

50 100

52 32.9 27.5 41.3

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

200000

150000

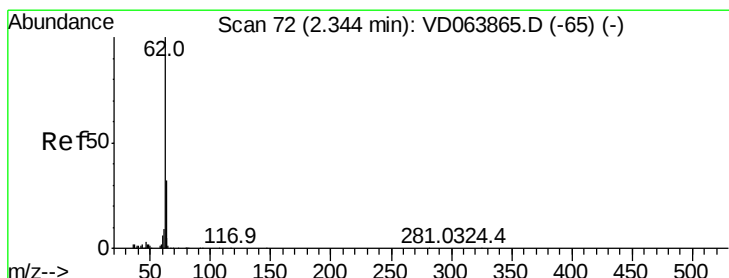
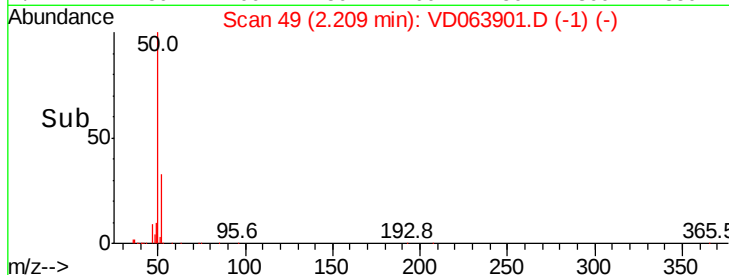
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 52.274 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063901.D

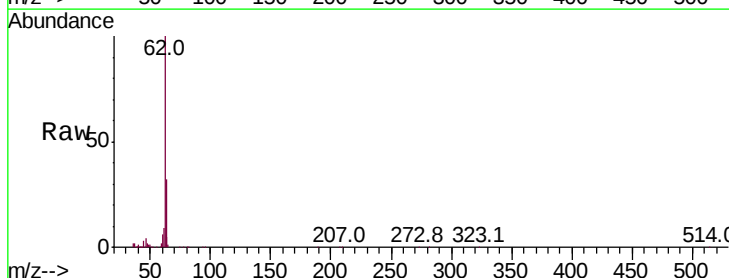
Acq: 10 Oct 2019 10:44

Tgt Ion: 62 Resp: 247206

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

150000

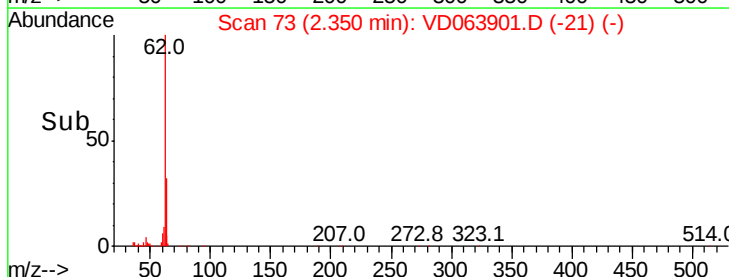
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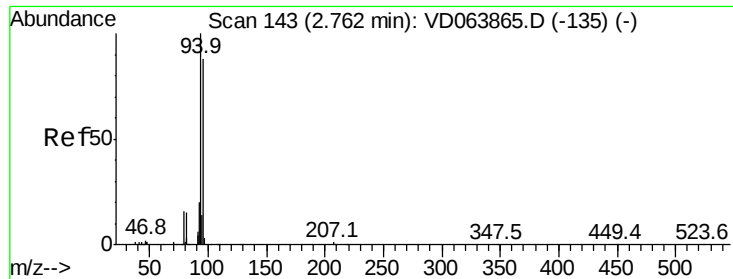
50000

0

2.30 2.35 2.40

Time-->





#5

Bromomethane

Concen: 48.417 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 147201

Ion Ratio Lower Upper

94 100

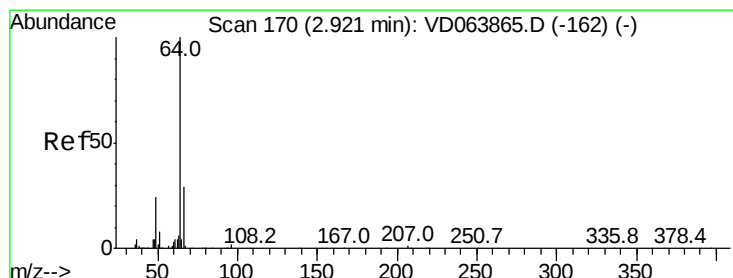
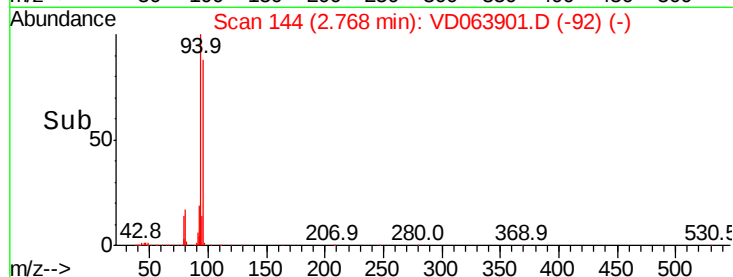
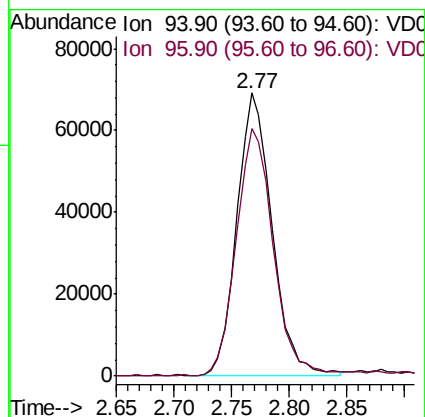
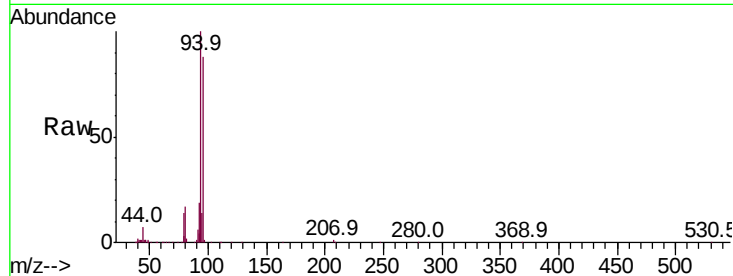
96 87.4 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 50.678 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063901.D

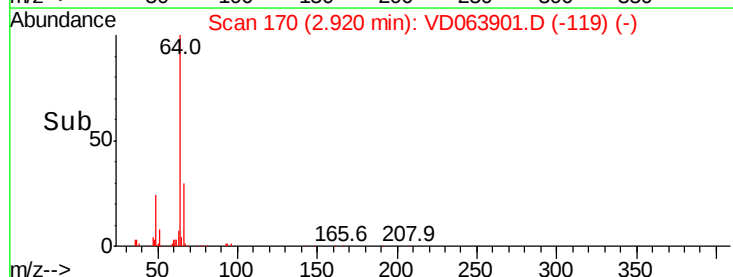
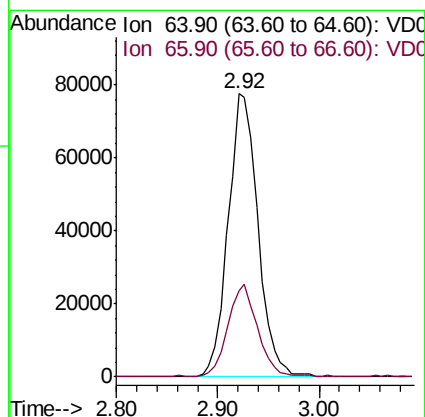
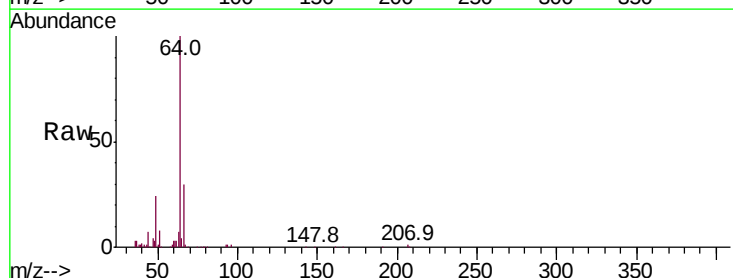
Acq: 10 Oct 2019 10:44

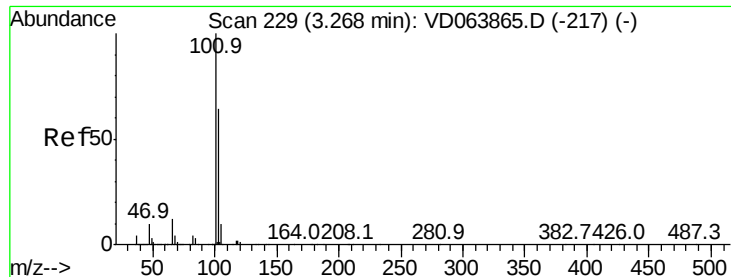
Tgt Ion: 64 Resp: 158494

Ion Ratio Lower Upper

64 100

66 30.3 23.0 34.4





#7

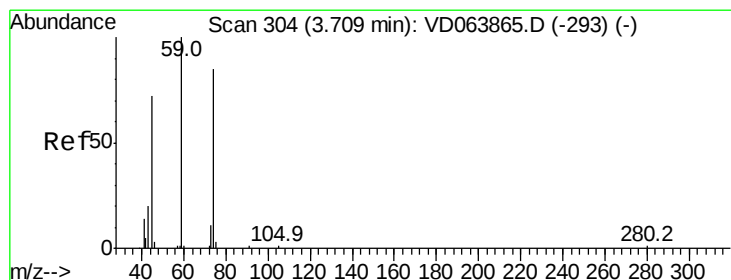
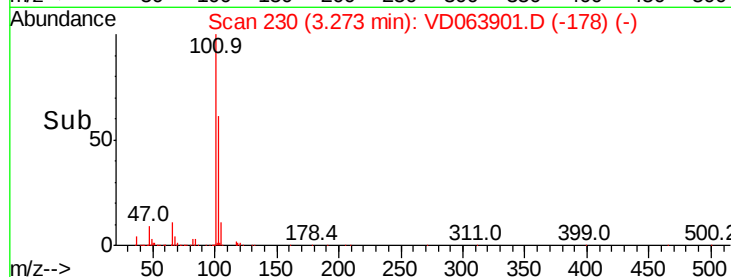
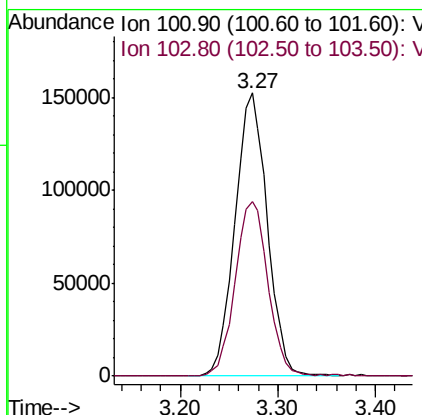
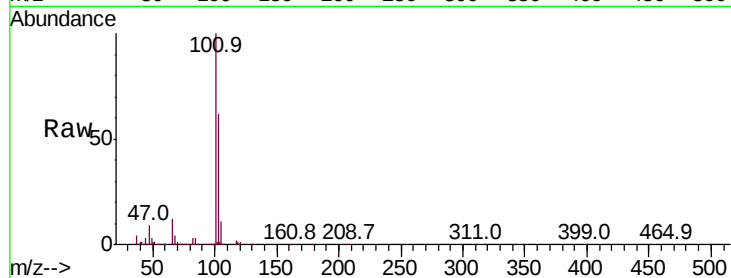
Trichlorofluoromethane
Concen: 56.198 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	51.1	76.7

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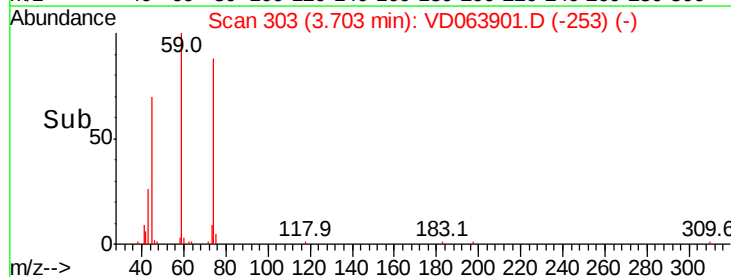
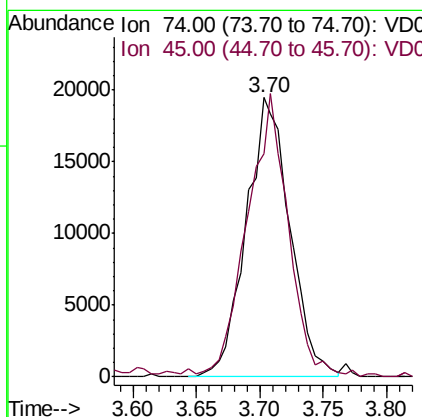
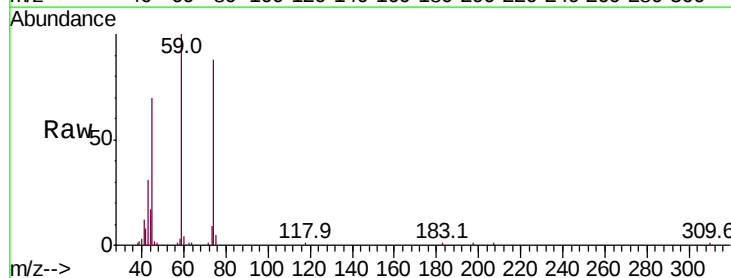
MMDadoda
10/11/2019 10:23:55 AM

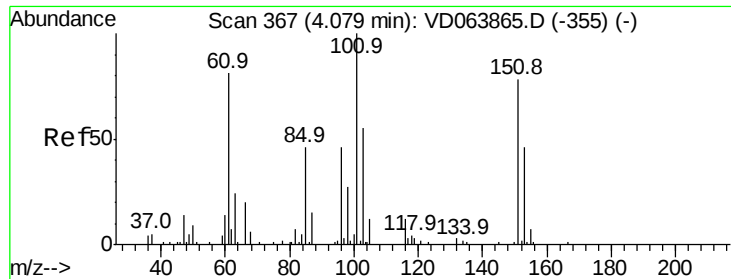


#8

Diethyl Ether
Concen: 46.524 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.554 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

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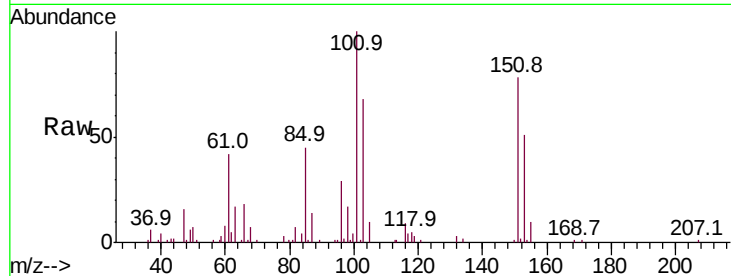
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	92689
Ion Ratio	Lower	Upper	
101	100		
85	46.8	37.5	56.3
151	80.9	65.5	98.3

Manual Integrations
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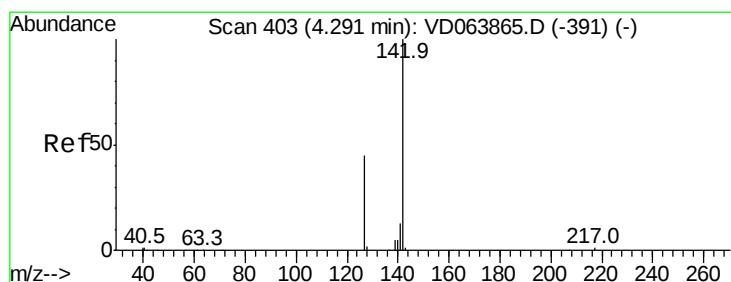
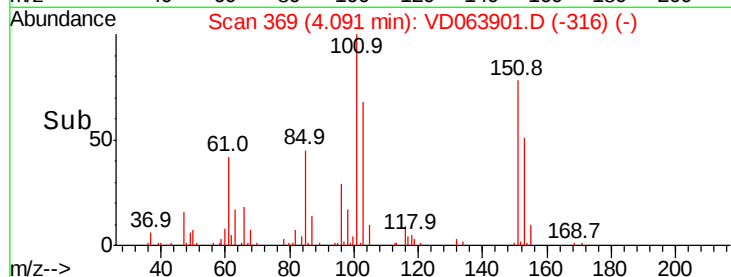
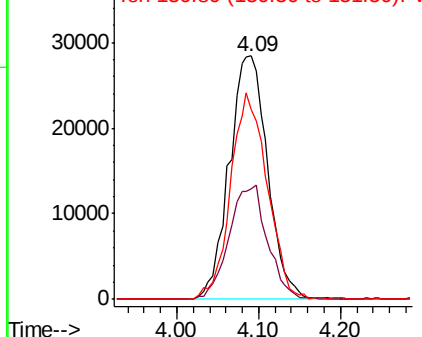
MMDadoda
10/11/2019 10:23:55 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.929 ug/l

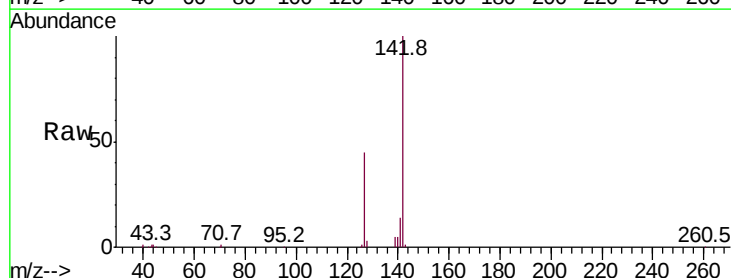
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

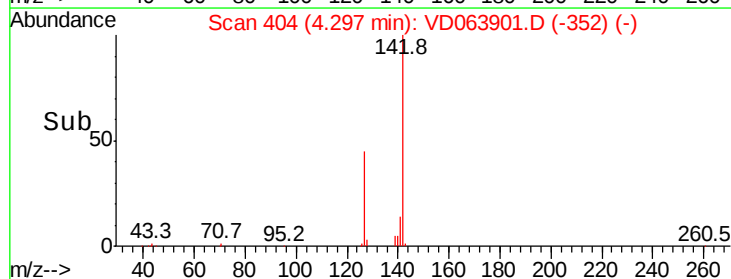
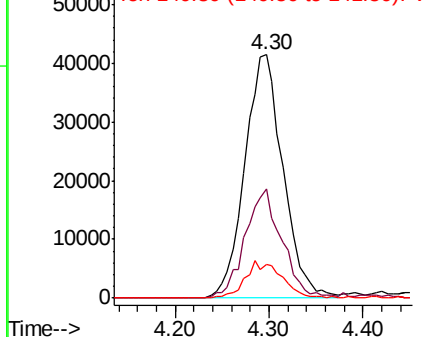
Tgt Ion:	142	Resp:	116689
Ion Ratio	Lower	Upper	
142	100		
127	42.8	35.3	52.9
141	14.4	12.2	18.2

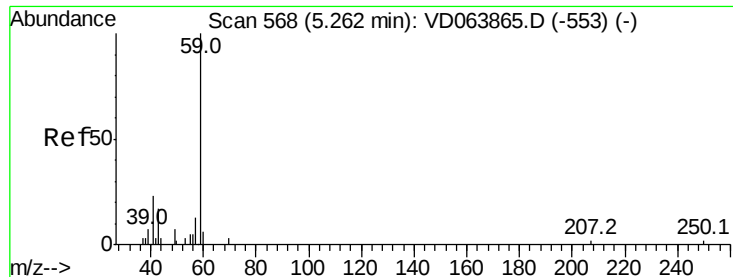


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

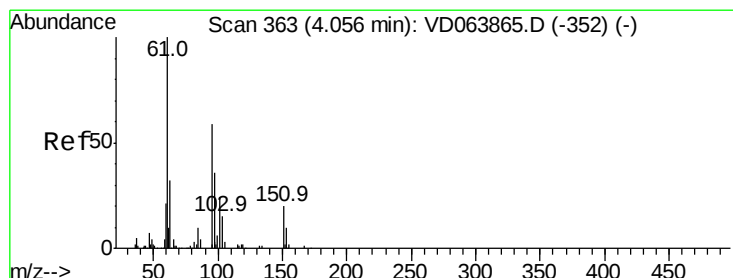
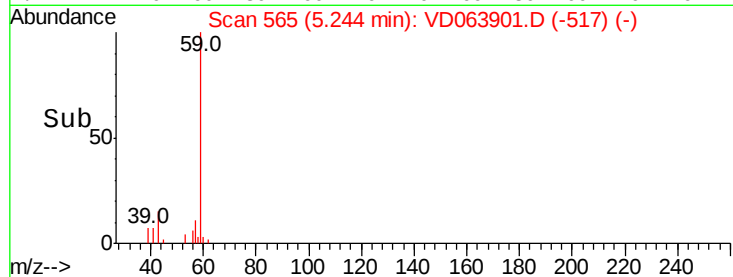
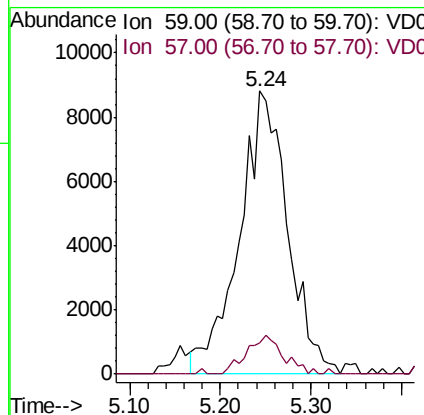
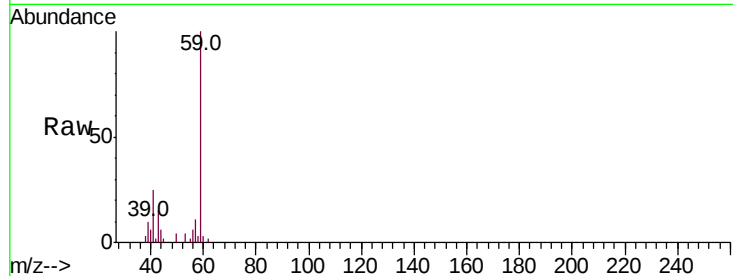
Tert butyl alcohol
 Concen: 232.607 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.8	13.2

Manual Integrations
 APPROVED

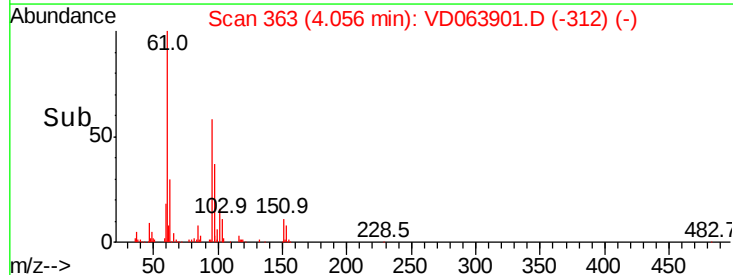
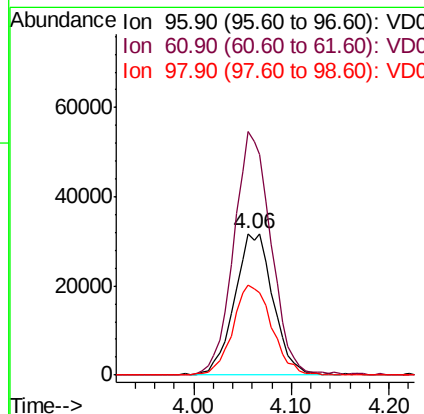
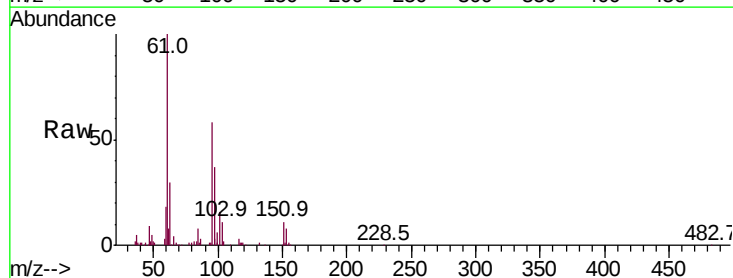
MMDadoda
 10/11/2019 10:23:55 AM

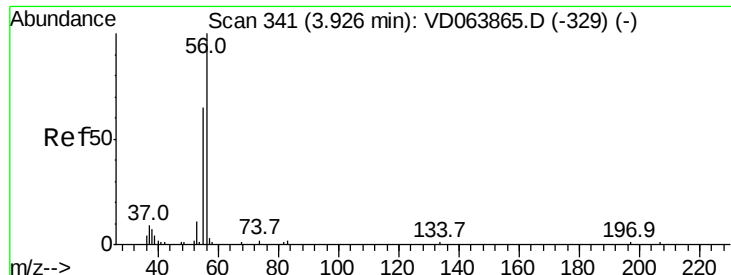


#12

1,1-Dichloroethene
 Concen: 50.271 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.9	135.6	203.4
98	63.9	49.2	73.8





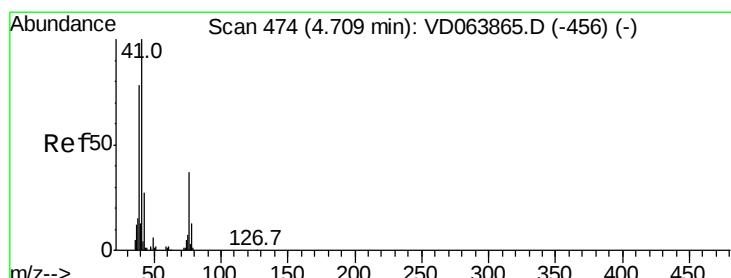
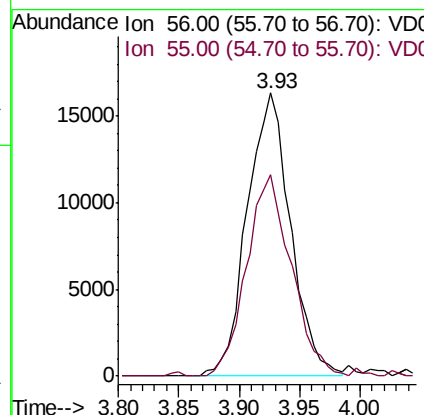
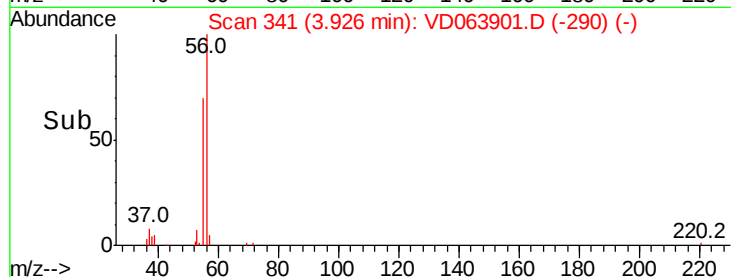
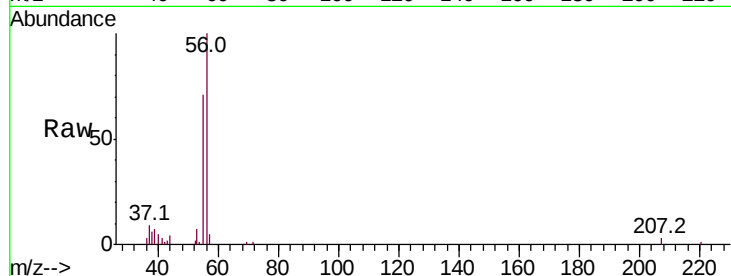
#13
Acrolein
Concen: 228.042 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Ratio	Lower	Upper
56	100			
55	73.2	53.0	79.6	

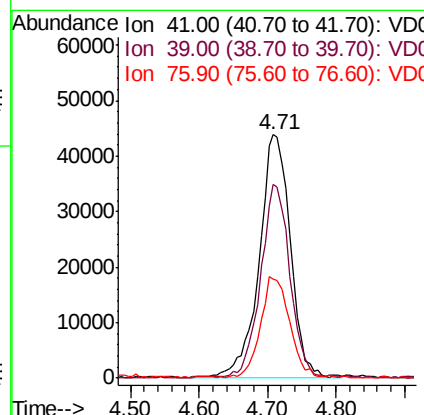
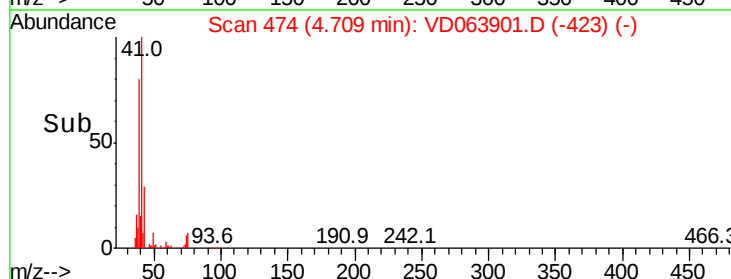
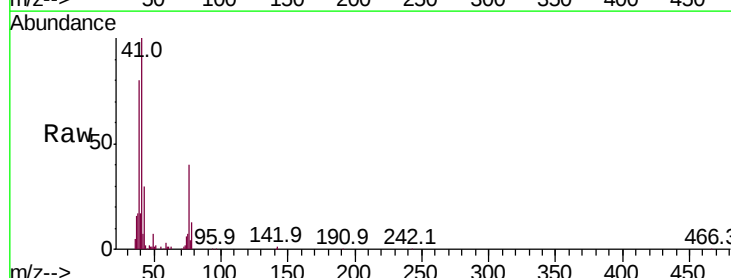
Manual Integrations
APPROVED

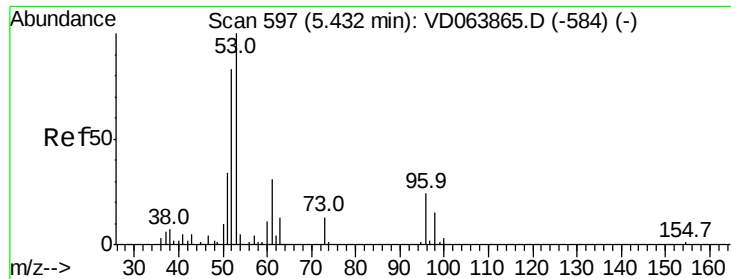
MMDadoda
10/11/2019 10:23:55 AM



#14
Allyl chloride
Concen: 48.548 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	41	Ratio	Lower	Upper
41	100			
39	74.5	61.8	92.6	
76	38.9	31.3	46.9	





#15

Acrylonitrile

Concen: 247.095 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

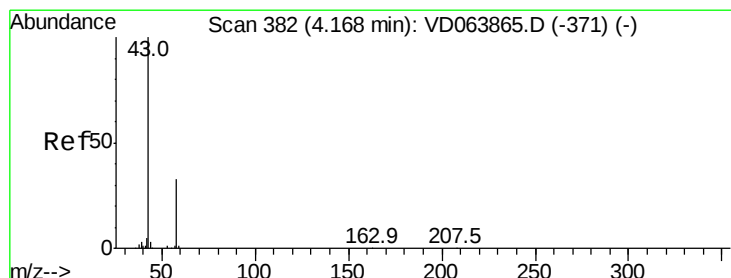
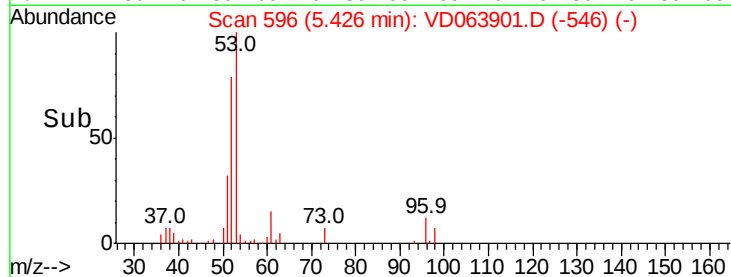
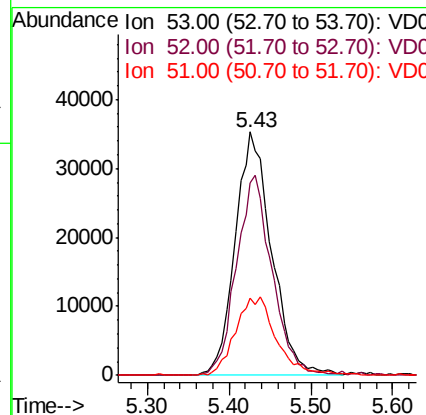
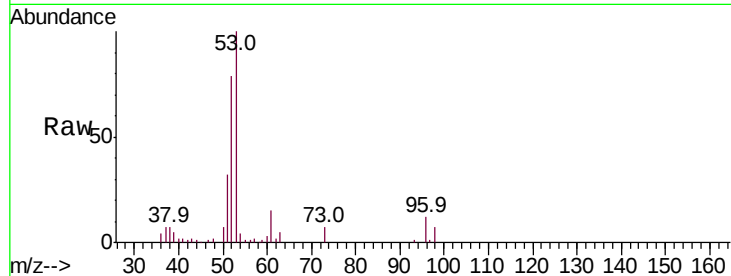
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	109330
Ion Ratio	Lower	Upper	
53	100		
52	79.8	67.3	100.9
51	36.0	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 268.794 ug/l

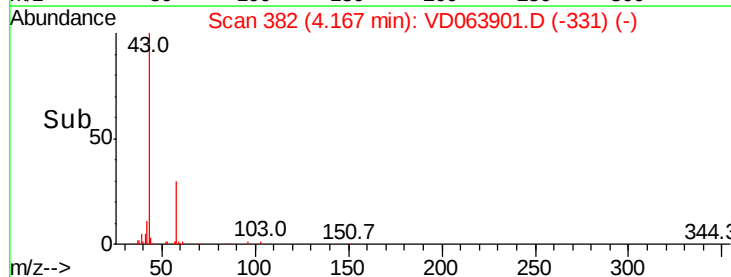
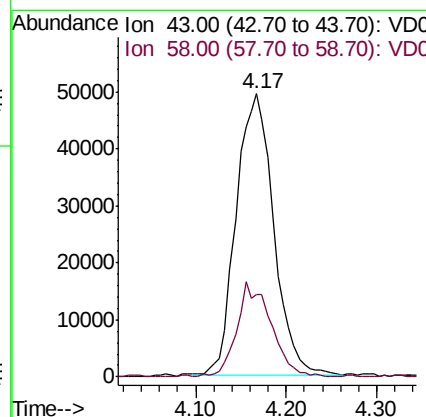
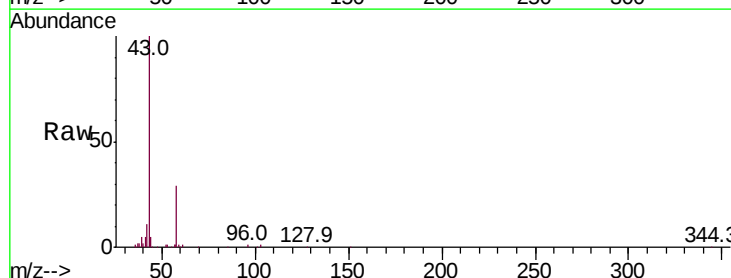
RT: 4.17 min Scan# 382

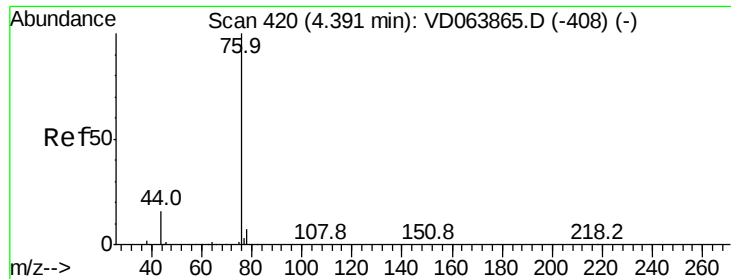
Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion:	43	Resp:	140573
Ion Ratio	Lower	Upper	
43	100		
58	29.5	26.2	39.4





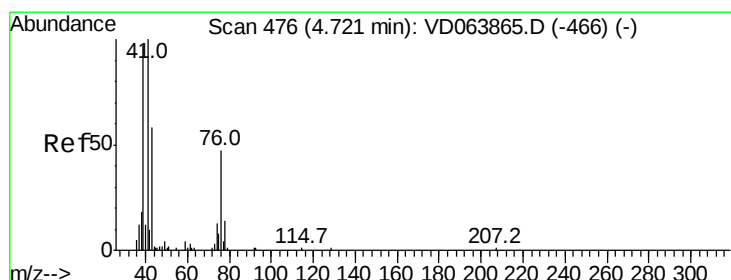
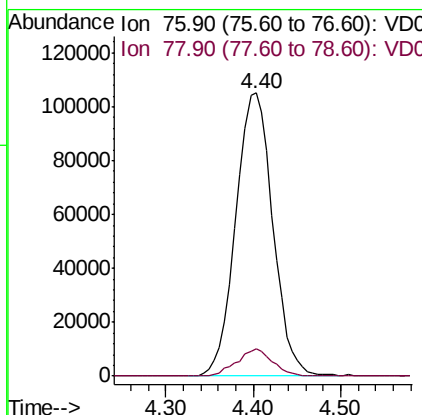
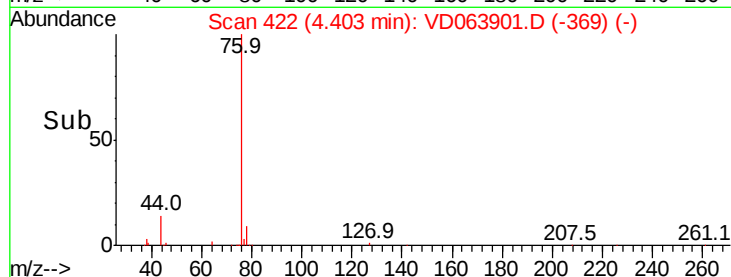
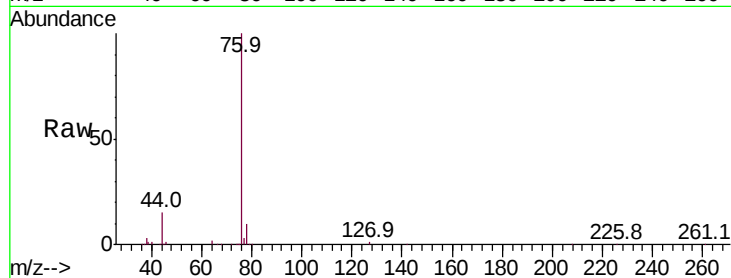
#17
Carbon Disulfide
Concen: 48.213 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 303048
Ion Ratio Lower Upper
76 100
78 9.6 5.8 8.8#

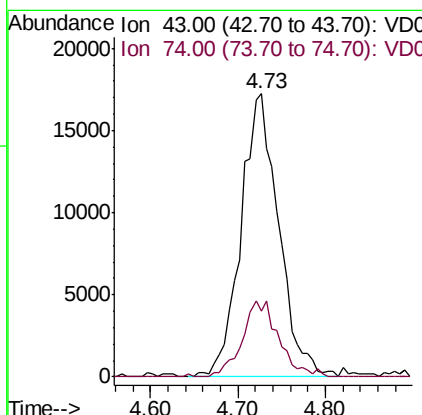
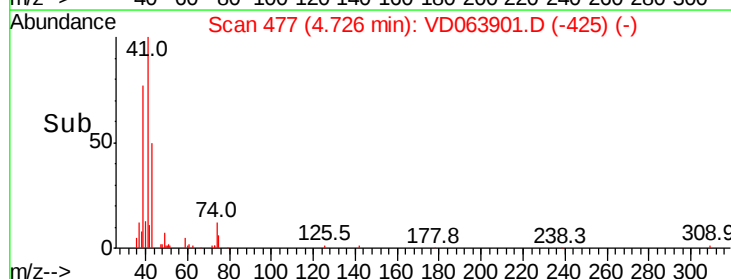
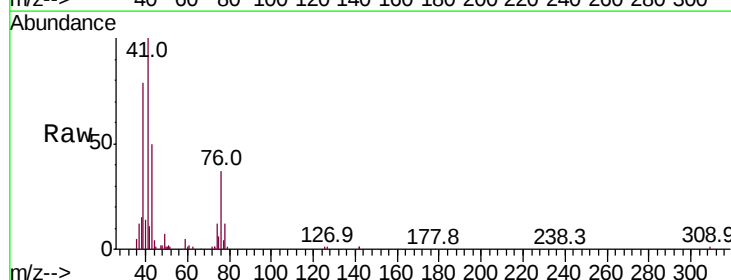
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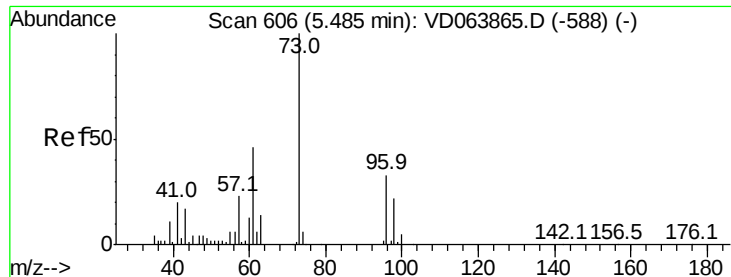
MMDadoda
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#18
Methyl Acetate
Concen: 49.428 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 43 Resp: 50559
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2





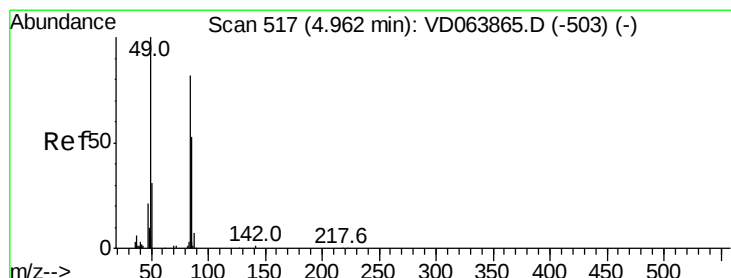
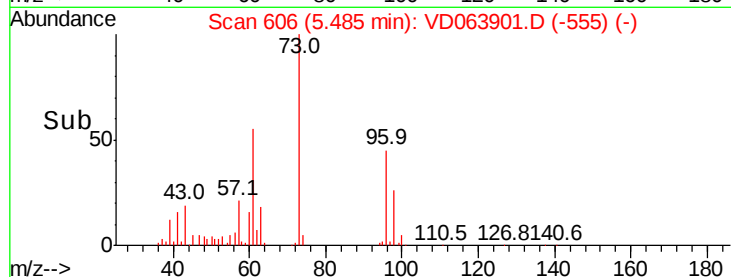
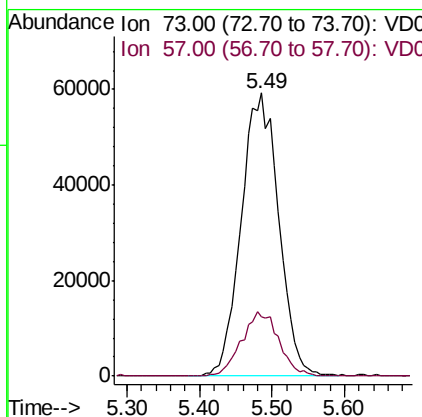
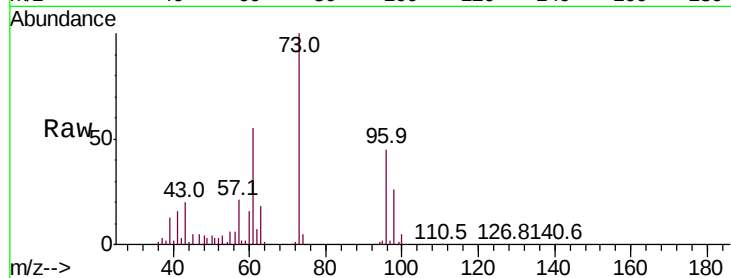
#19
Methvl tert-butvl Ether
Concen: 47.647 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.1	27.1

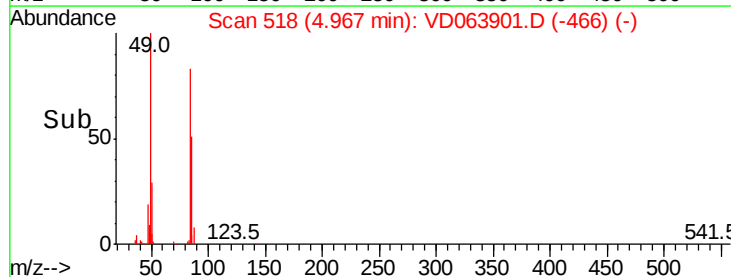
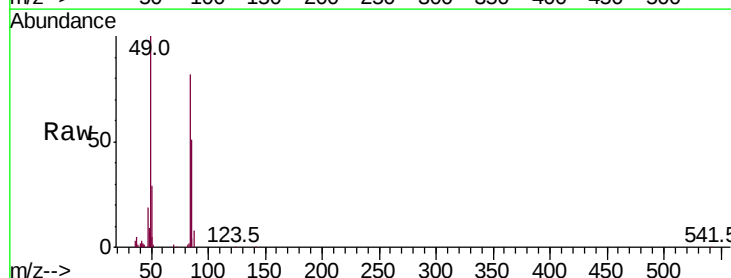
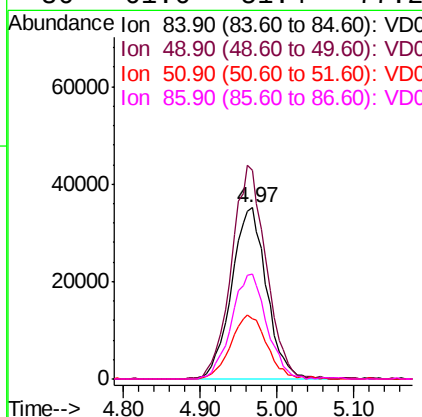
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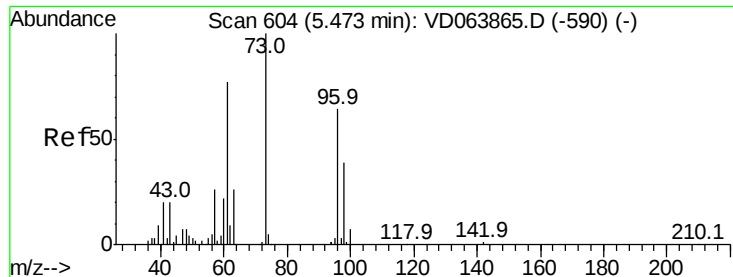
MMDadoda
10/11/2019 10:23:55 AM



#20
Methylene Chloride
Concen: 48.031 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.9	97.3	145.9
51	35.0	30.1	45.1
86	61.6	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 52.206 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

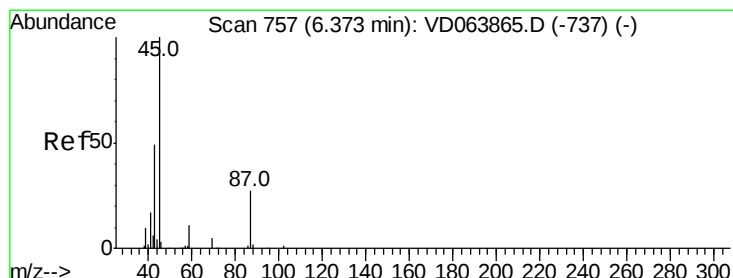
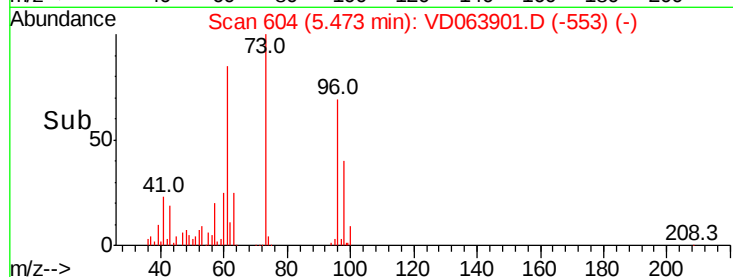
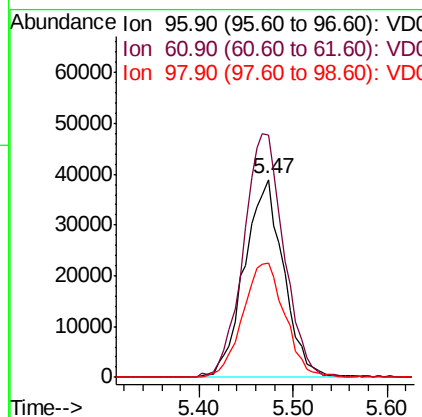
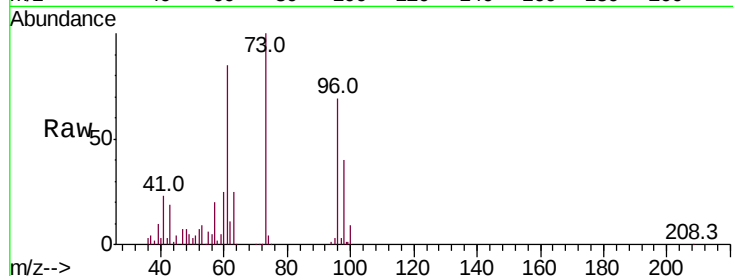
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	112377
Ion	Ratio	Lower	Upper
96	100		
61	122.5	96.6	145.0
98	58.1	48.7	73.1

Manual Integrations
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10/11/2019 10:23:55 AM



#22

Diisopropyl ether

Concen: 49.729 ug/l

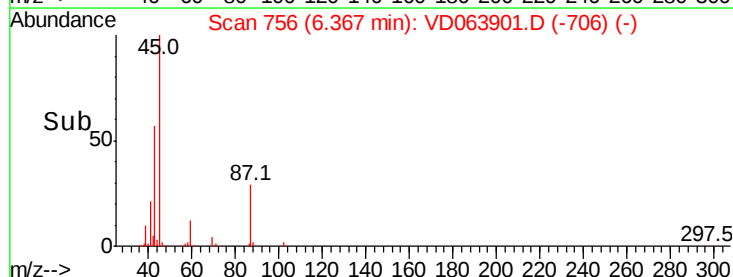
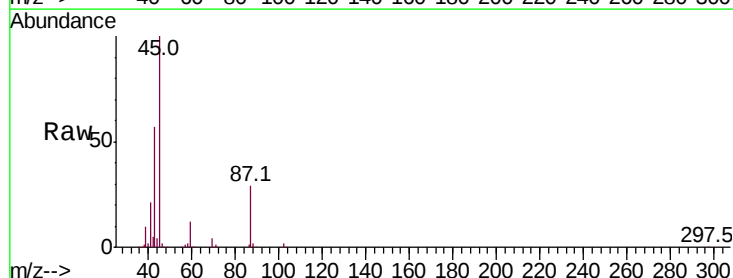
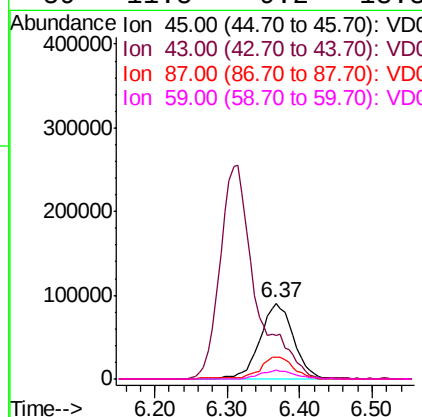
RT: 6.37 min Scan# 756

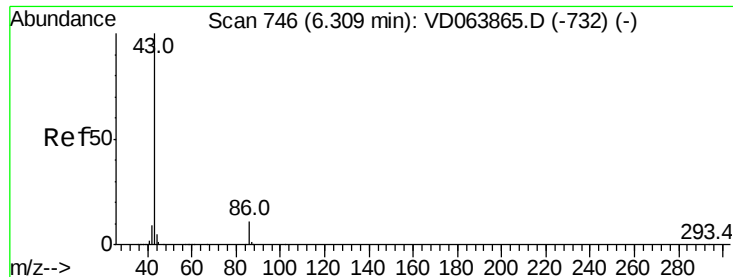
Delta R.T. -0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion:	45	Resp:	291975
Ion	Ratio	Lower	Upper
45	100		
43	56.0	41.2	61.8
87	28.4	22.2	33.4
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 248.987 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 869658

Ion Ratio Lower Upper

43 100

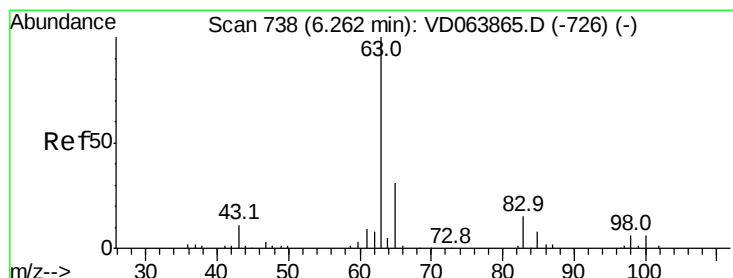
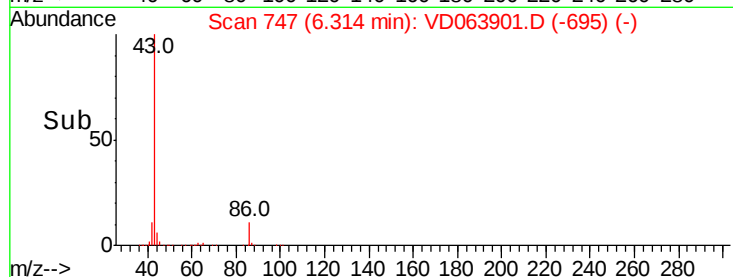
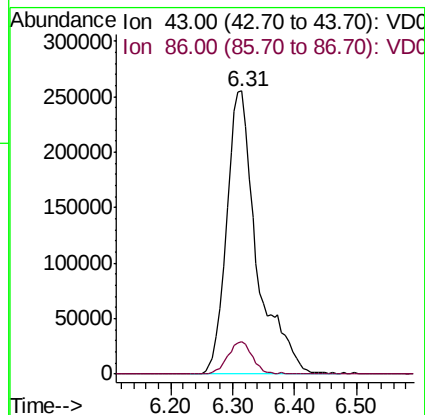
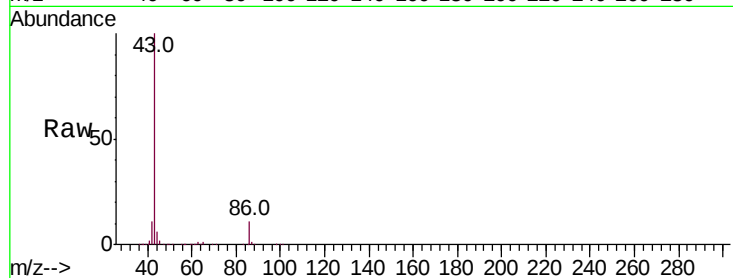
86 11.4 8.8 13.2

Manual Integrations

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MMDadoda

10/11/2019 10:23:55 AM



#24

1,1-Dichloroethane

Concen: 50.514 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

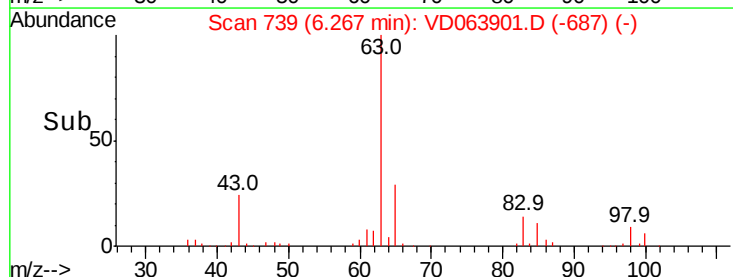
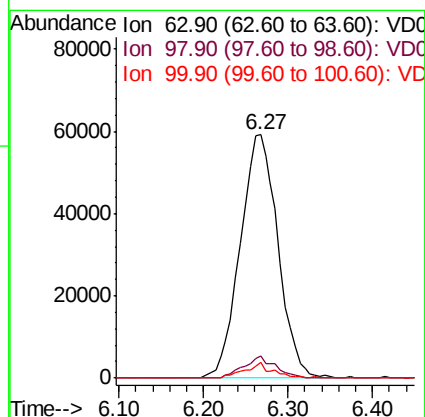
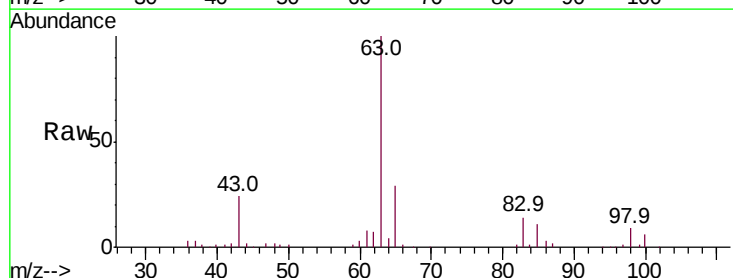
Tgt Ion: 63 Resp: 182684

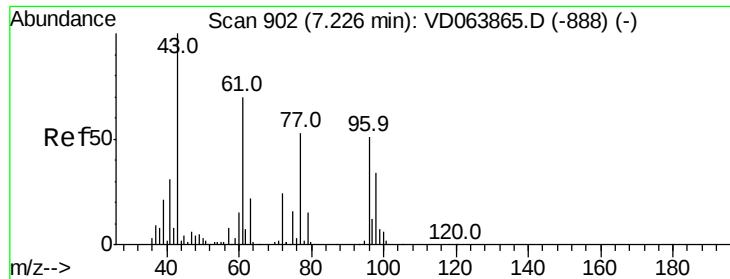
Ion Ratio Lower Upper

63 100

98 8.9 3.1 9.4

100 6.4 3.0 9.2





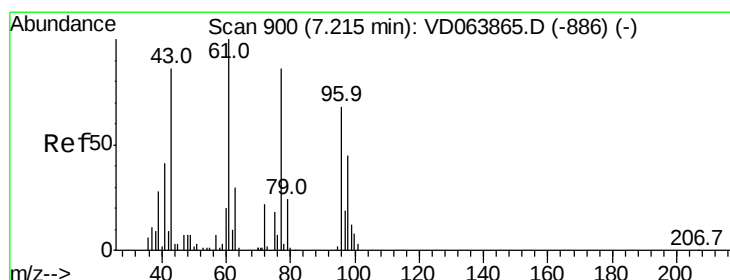
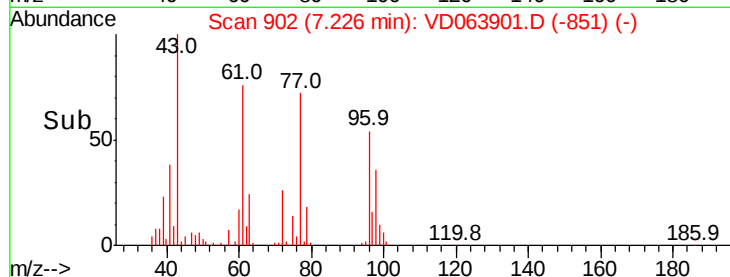
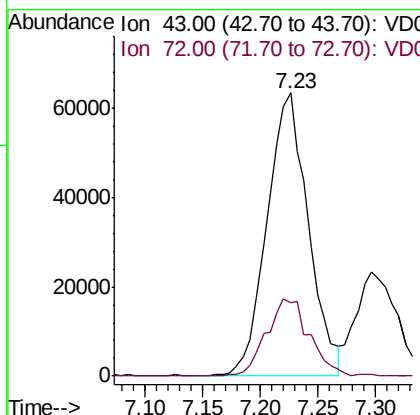
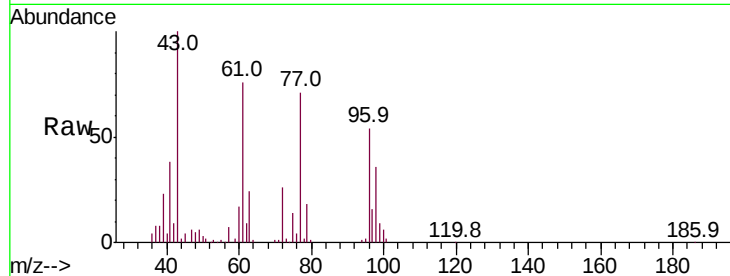
#25
2-Butanone
Concen: 254.579 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 157784
Ion Ratio Lower Upper
43 100
72 25.8 19.2 28.8

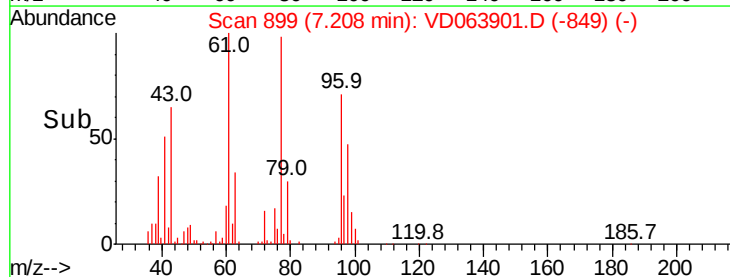
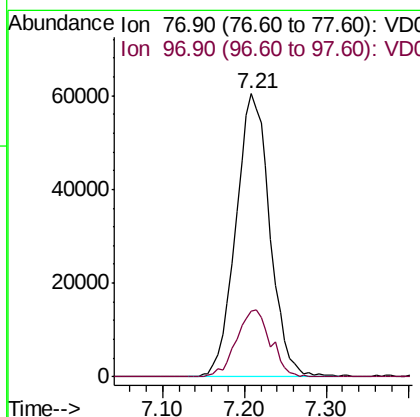
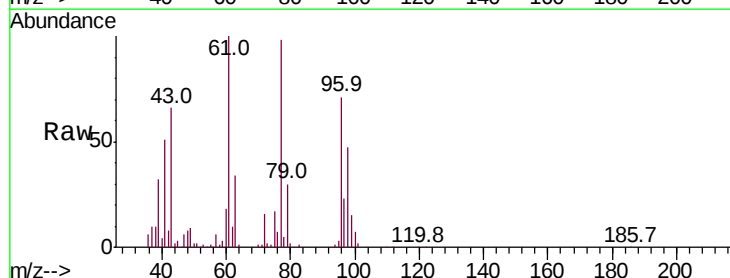
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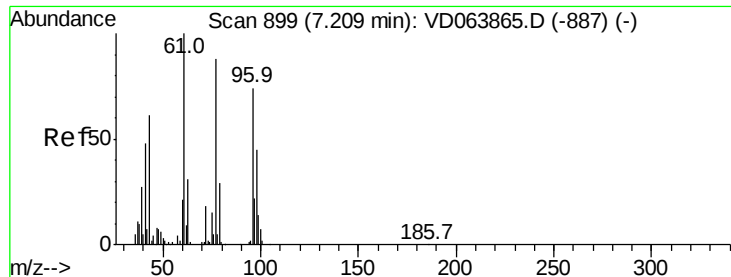
MMDadoda
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#26
2,2-Dichloropropane
Concen: 53.316 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion: 77 Resp: 174420
Ion Ratio Lower Upper
77 100
97 23.8 11.4 34.1





#27

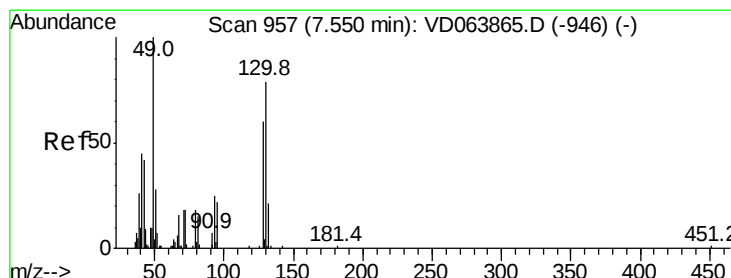
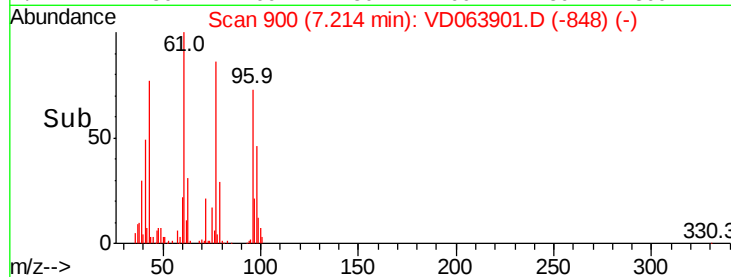
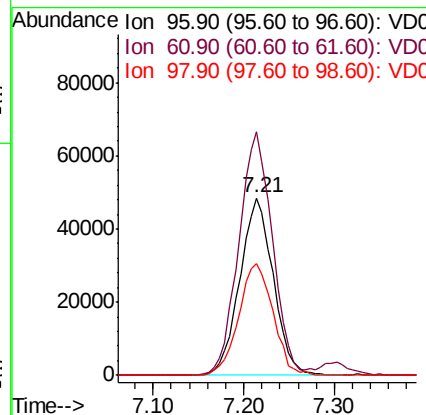
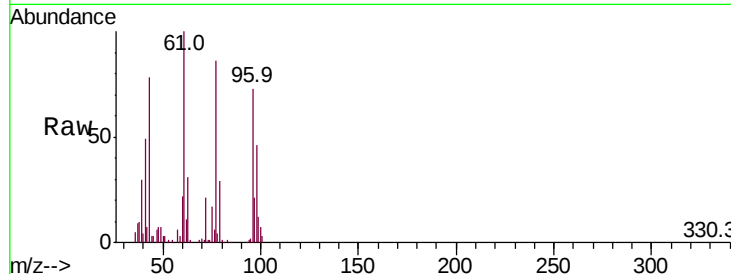
cis-1,2-Dichloroethene
 Concen: 51.217 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	124789		
61	136.8	0.0	280.0	
98	64.3	0.0	130.4	

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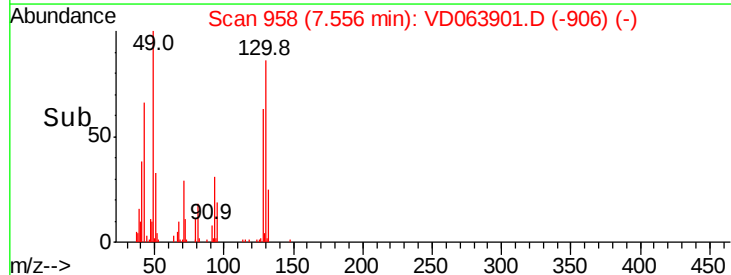
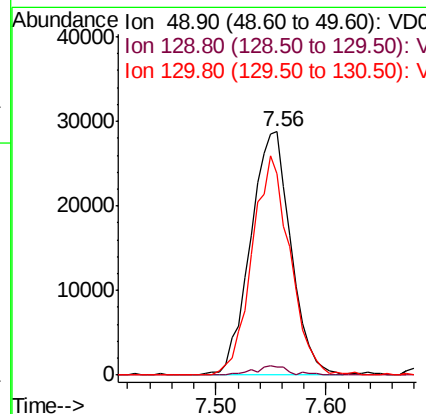
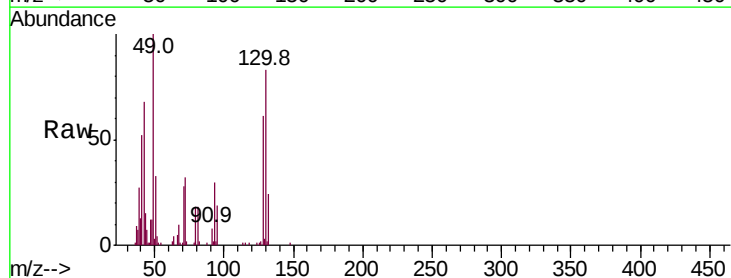
MMDadoda
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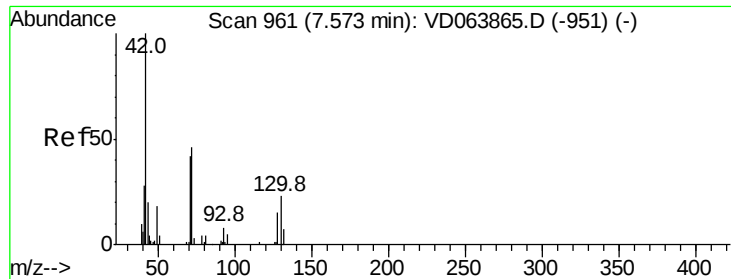


#28

Bromochloromethane
 Concen: 53.510 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	73761		
129	2.9	0.0	5.6	
130	85.1	66.8	100.2	





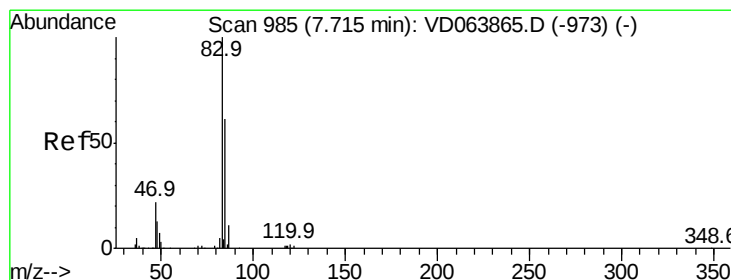
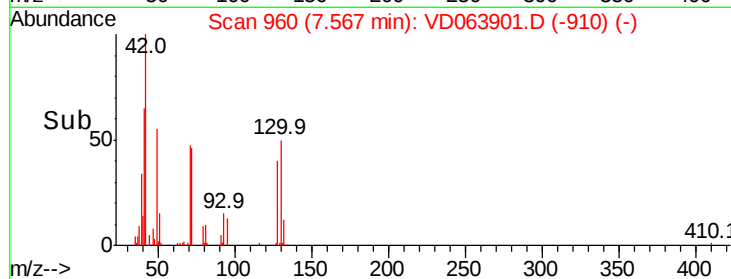
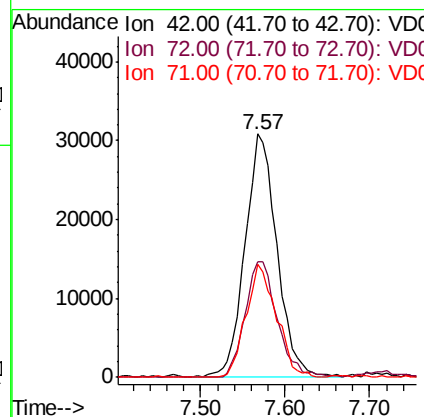
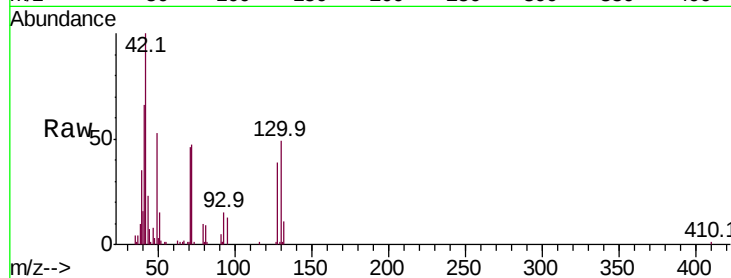
#29
Tetrahydrofuran
Concen: 224.685 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.6	56.4
71	44.0	35.0	52.6

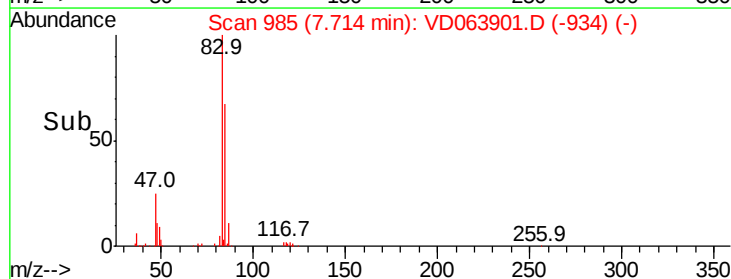
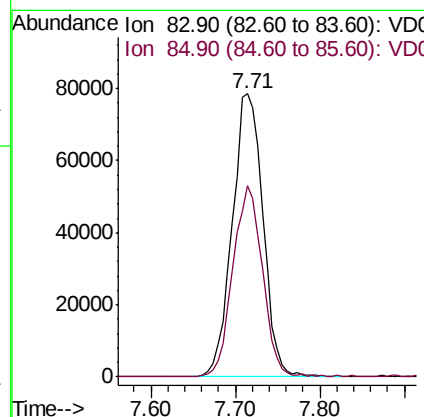
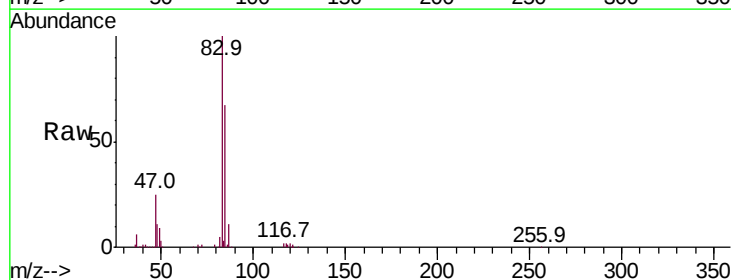
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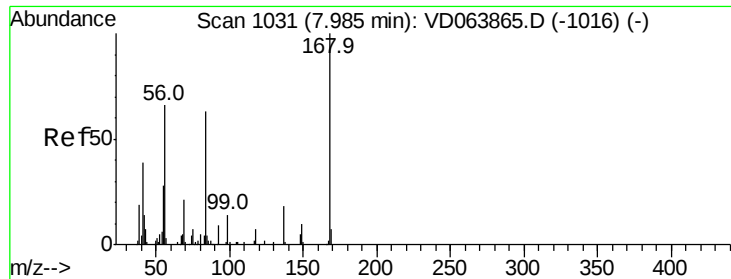
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#30
Chloroform
Concen: 50.019 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	48.9	73.3





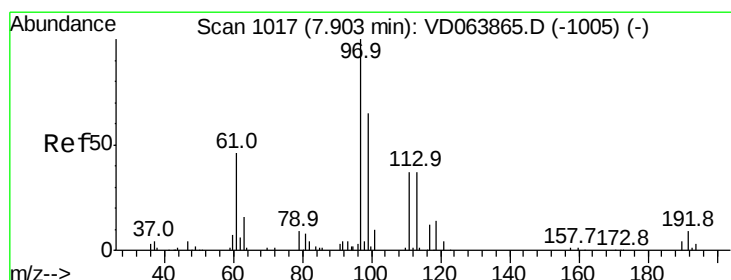
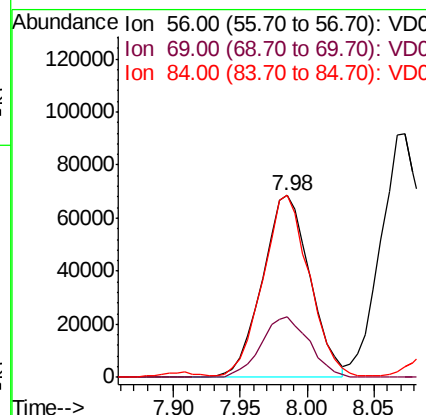
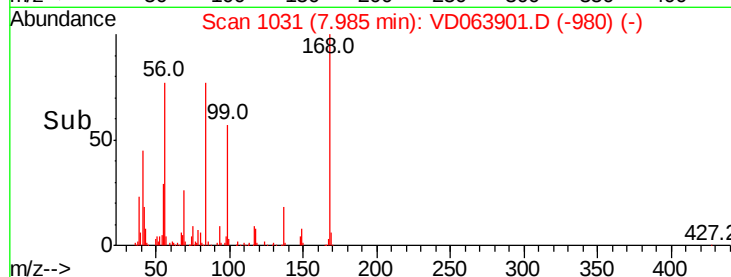
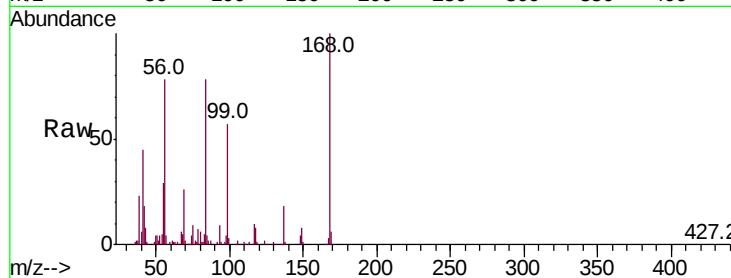
#31
Cyclohexane
Concen: 57.483 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	69	84
Ion	56	69	84
Ratio	100	32.4	98.4
Lower		25.0	76.3
Upper		37.4	114.5

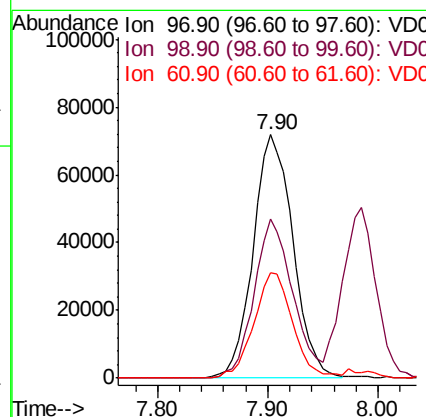
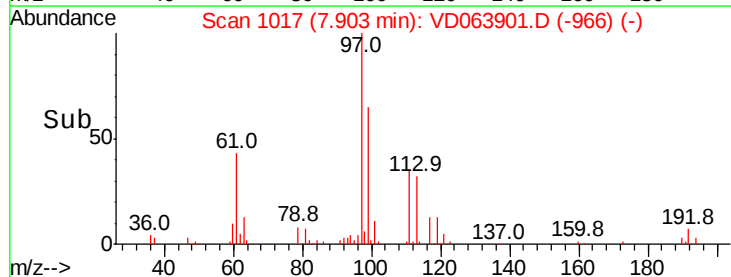
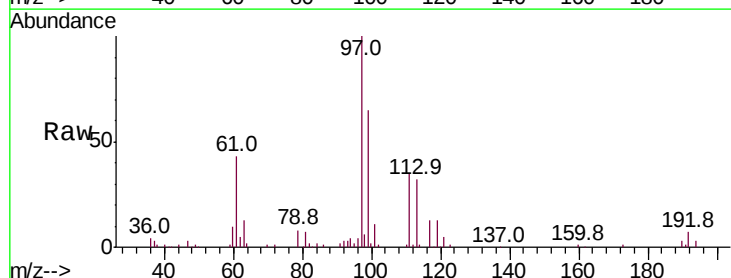
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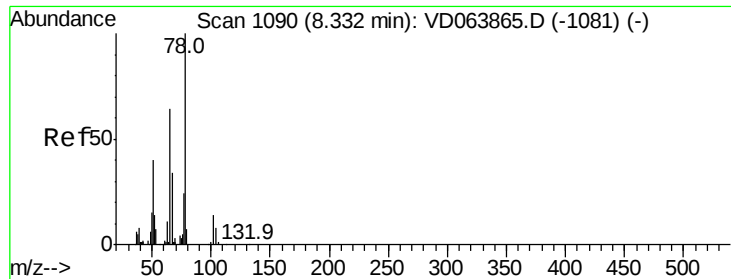
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#32
1,1,1-Trichloroethane
Concen: 53.979 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	97	99	61
Ion	97	99	61
Ratio	100	63.7	42.3
Lower		52.4	33.8
Upper		78.6	50.8





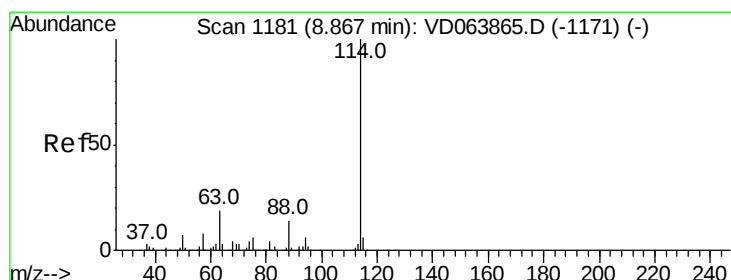
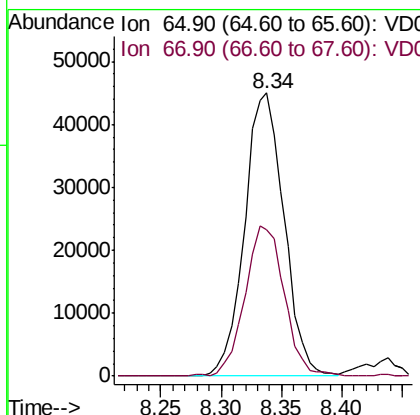
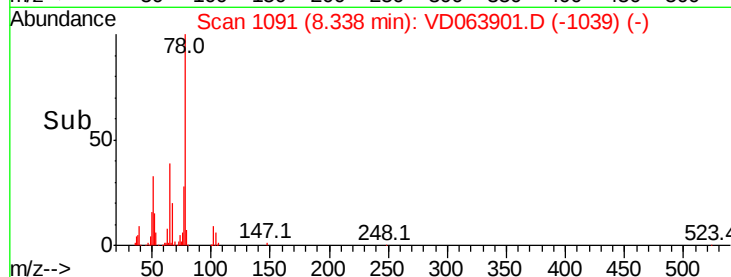
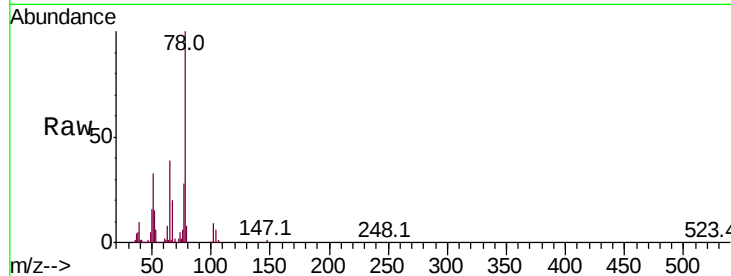
#33
 1,2-Dichloroethane-d4
 Concen: 50.888 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.4

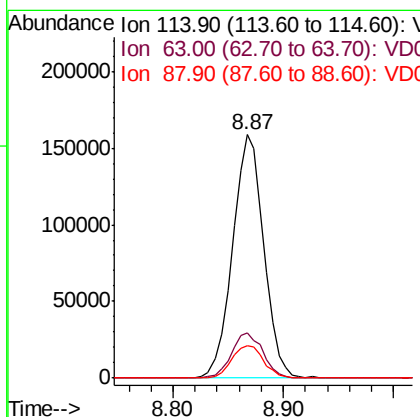
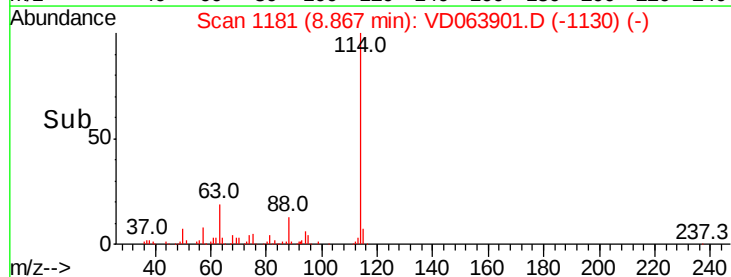
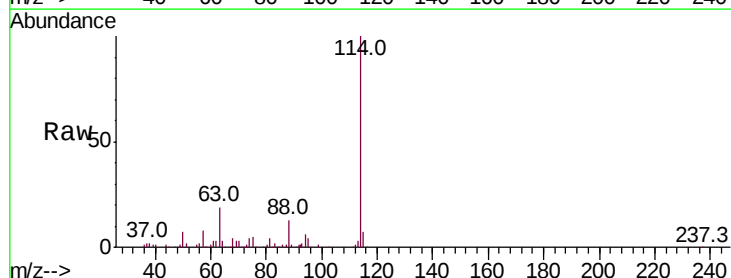
Manual Integrations
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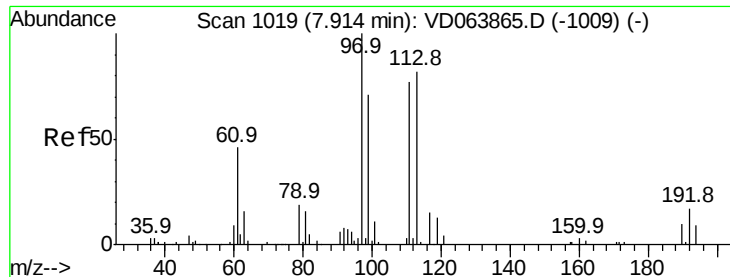
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	13.3	0.0	27.4





#35

Dibromofluoromethane

Concen: 53.176 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

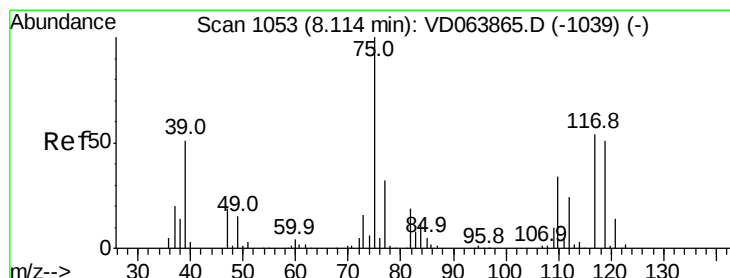
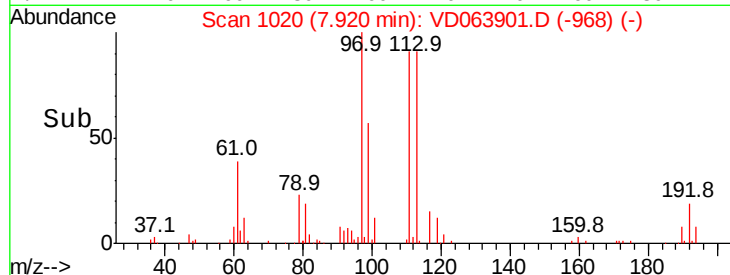
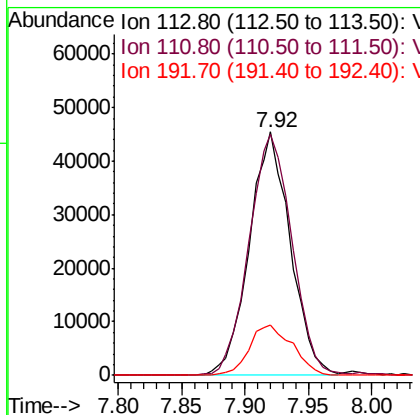
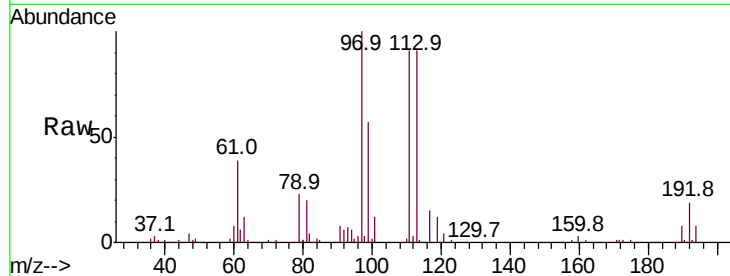
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102023		
111	104.1	82.6	123.8	
192	21.6	17.1	25.7	

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#36

1,1-Dichloropropene

Concen: 55.142 ug/l

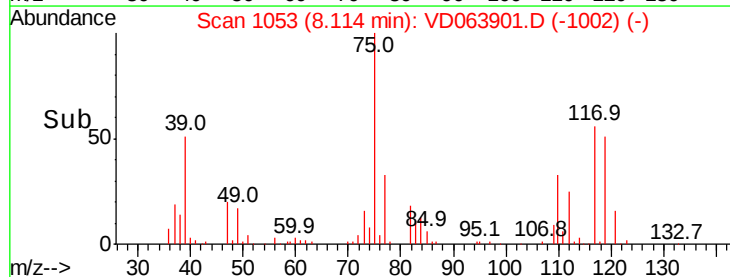
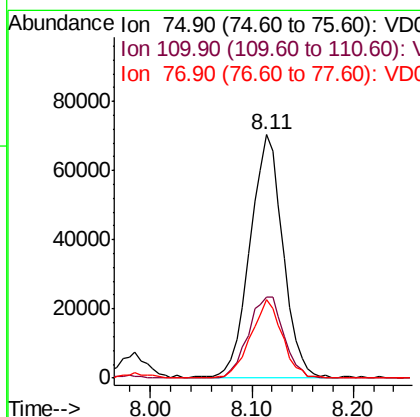
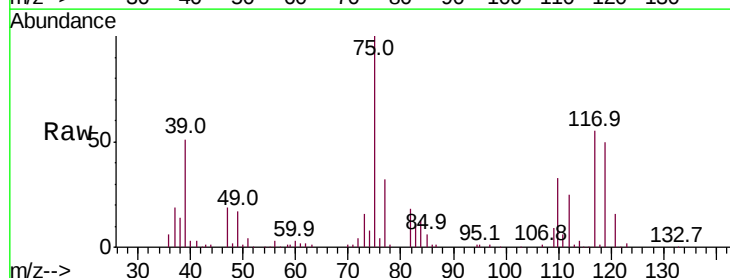
RT: 8.11 min Scan# 1053

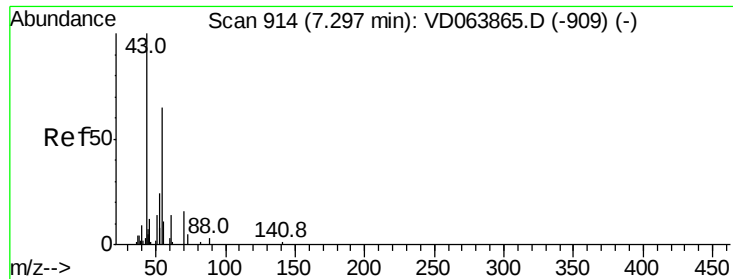
Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	158284		
110	36.1	17.4	52.3	
77	31.5	25.4	38.0	





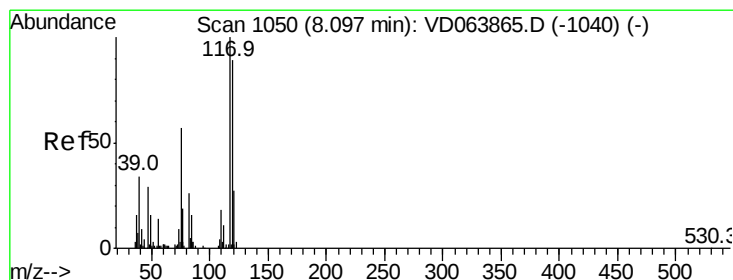
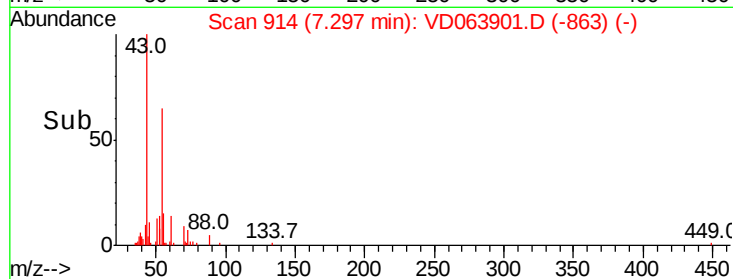
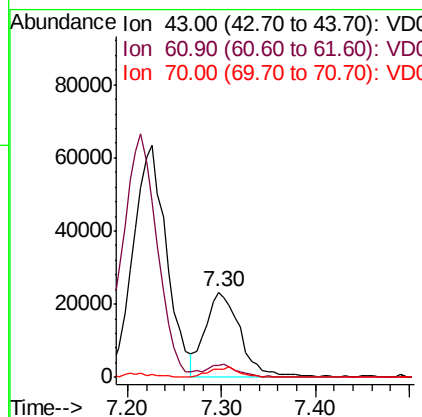
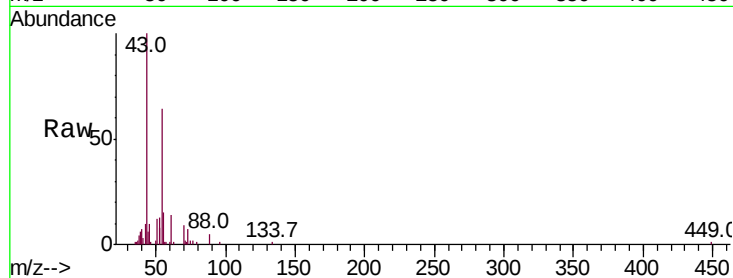
#37
Ethyl Acetate
Concen: 53.505 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	10.5	8.2	12.4

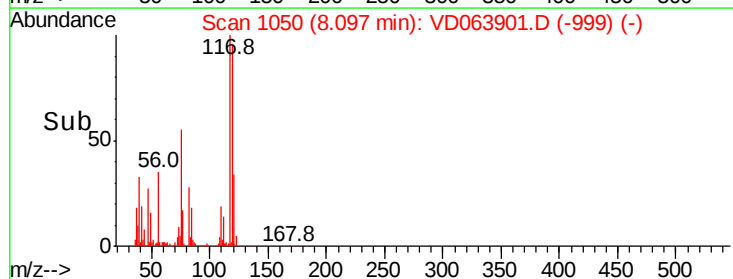
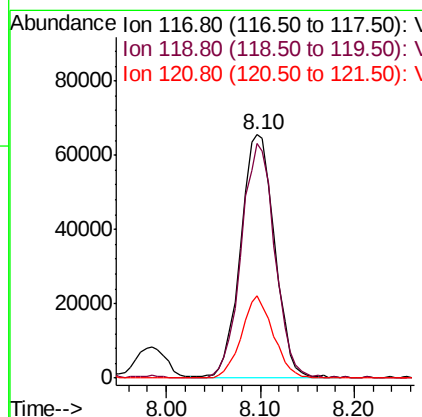
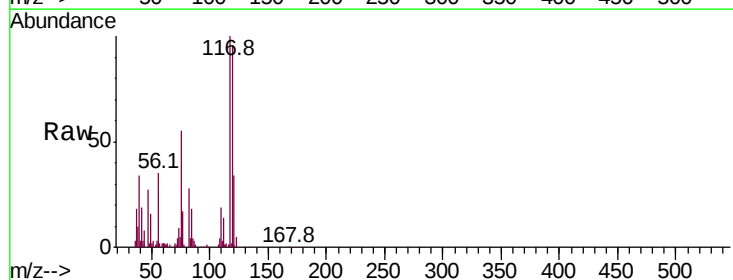
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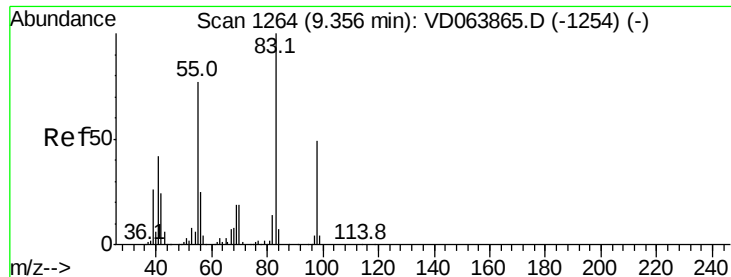
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#38
Carbon Tetrachloride
Concen: 56.945 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	70.8	106.2
121	33.7	21.4	32.0#





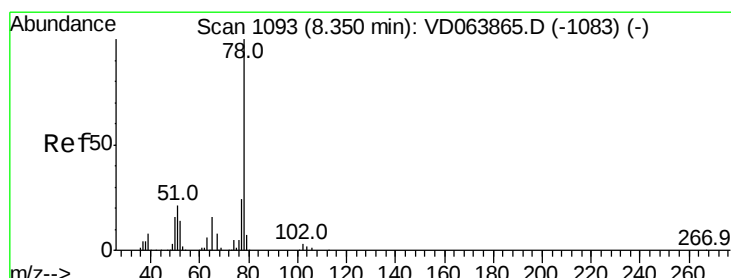
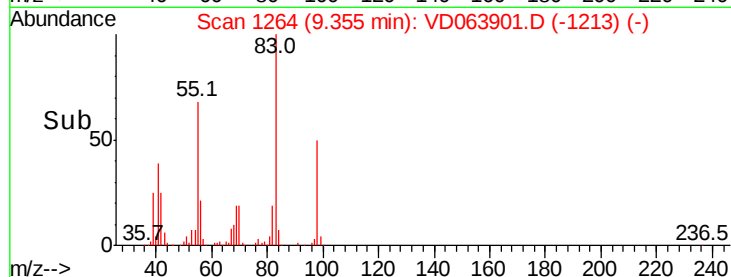
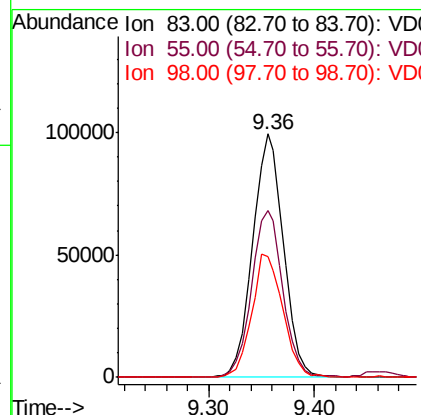
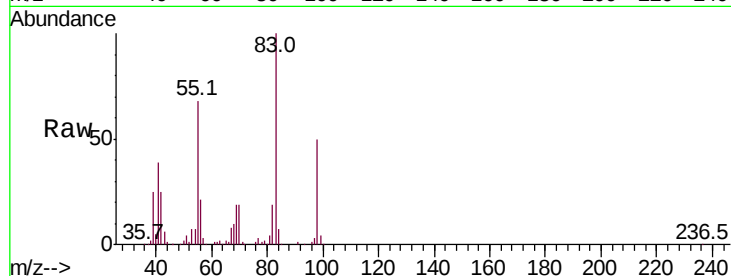
#39
Methvlcvclohexane
Concen: 57.266 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	61.3	91.9
98	49.8	39.3	58.9

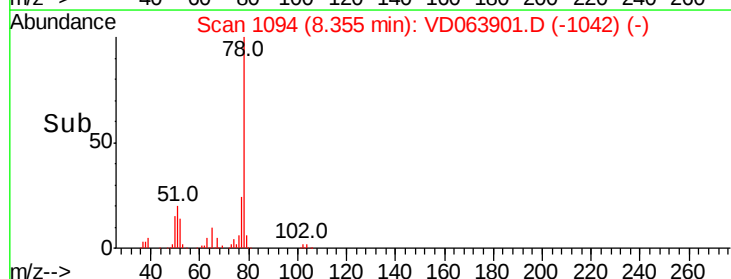
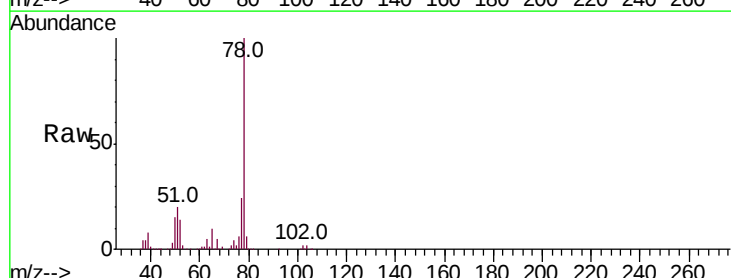
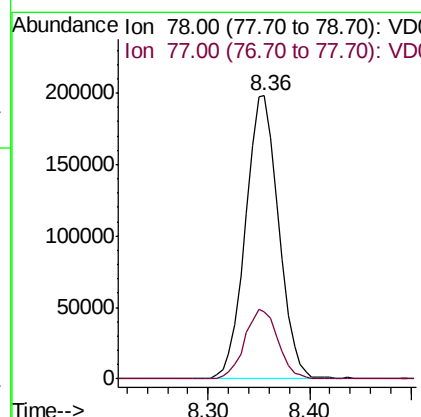
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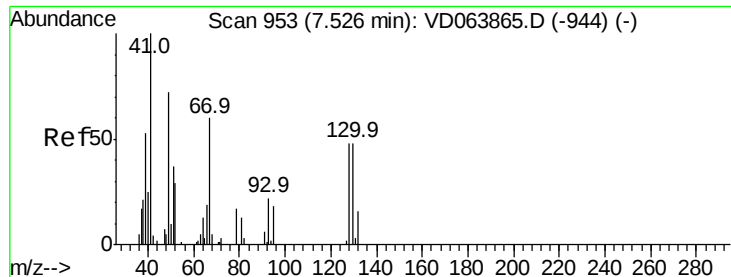
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#40
Benzene
Concen: 54.718 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41

Methacrylonitrile

Concen: 48.177 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 32062

Ion Ratio Lower Upper

41 100

39 55.5 52.6 78.8

67 82.5 74.2 111.2

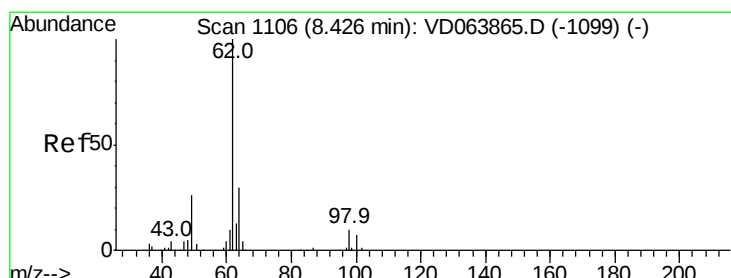
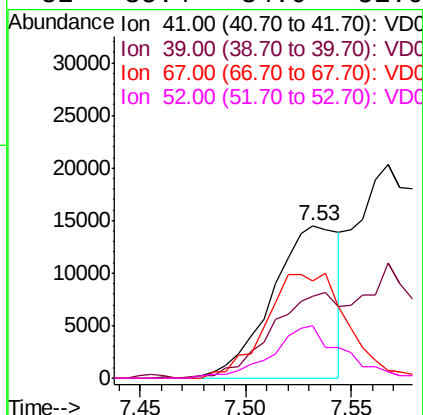
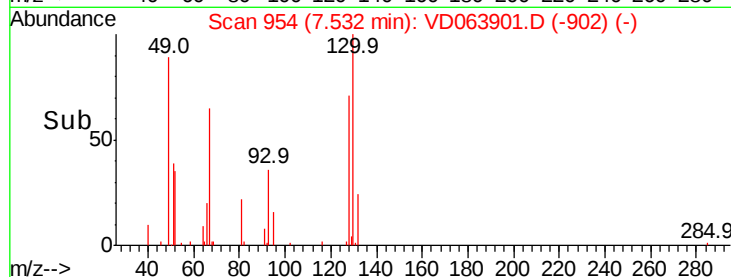
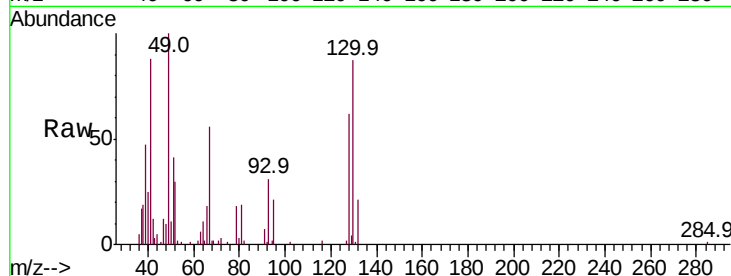
52 35.4 34.0 51.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 50.411 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063901.D

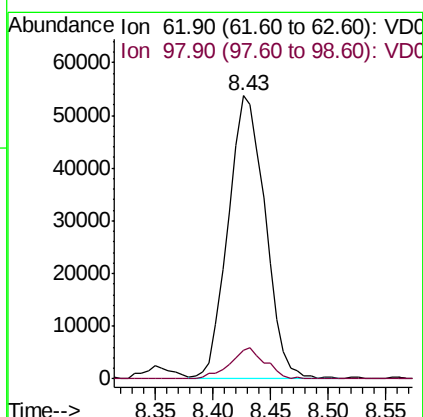
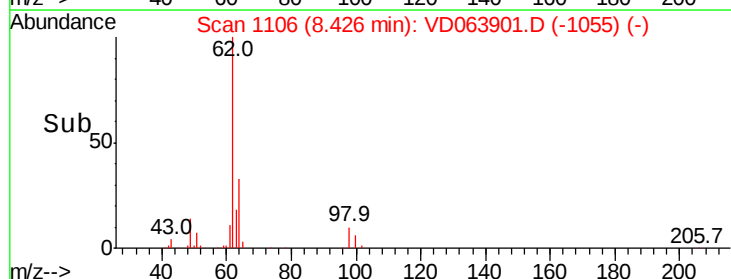
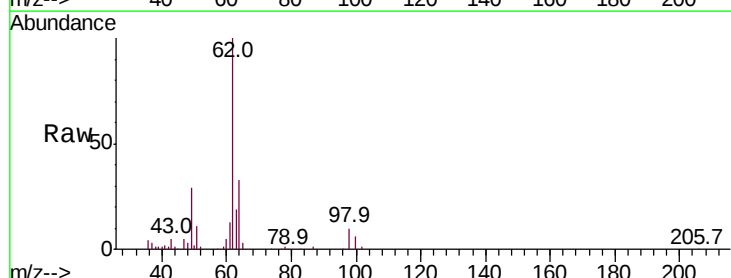
Acq: 10 Oct 2019 10:44

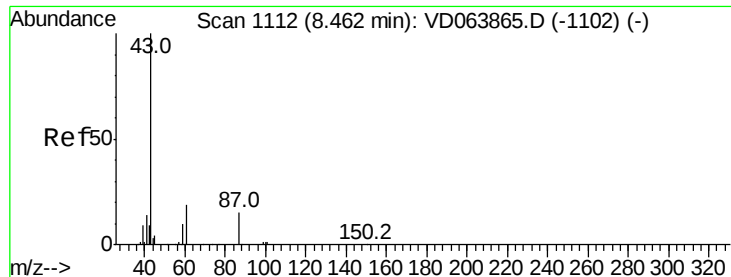
Tgt Ion: 62 Resp: 119952

Ion Ratio Lower Upper

62 100

98 10.3 0.0 20.0





#43

Isopropyl Acetate

Concen: 48.197 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

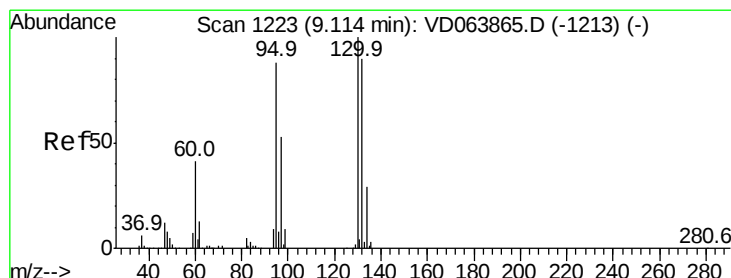
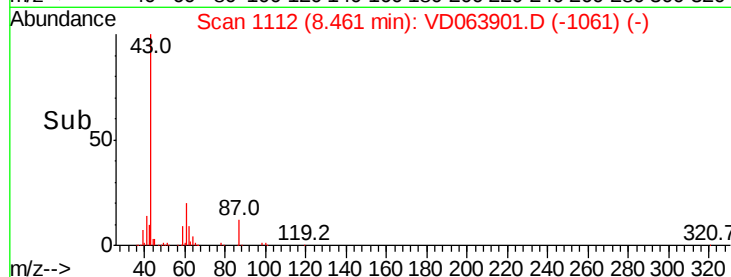
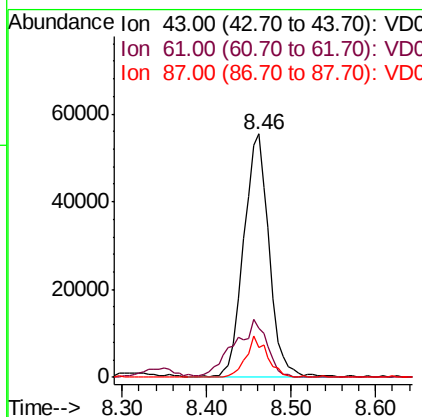
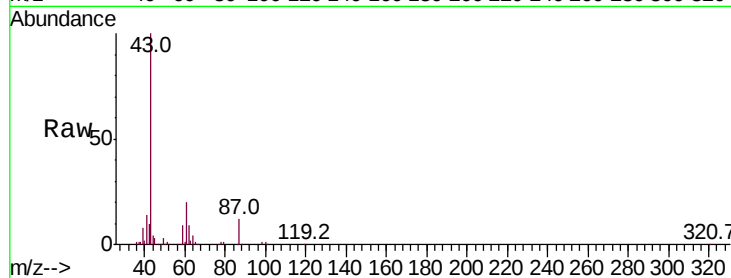
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	116023
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.7	38.5
87	14.3	11.6	17.4

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#44

Trichloroethene

Concen: 54.439 ug/l

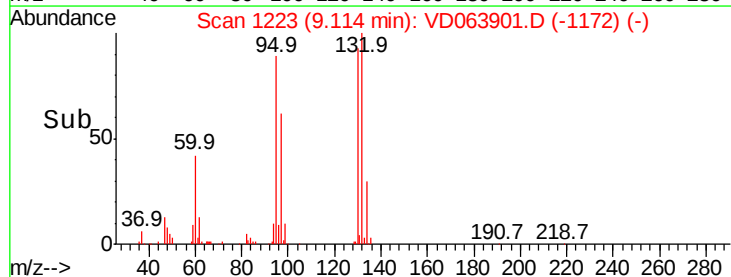
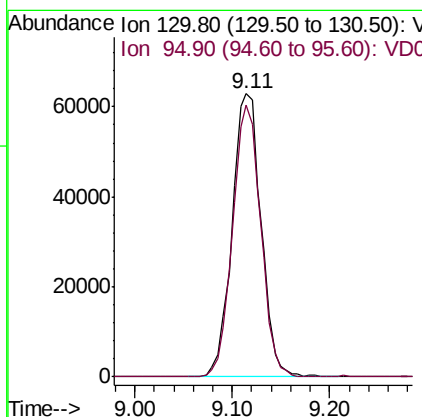
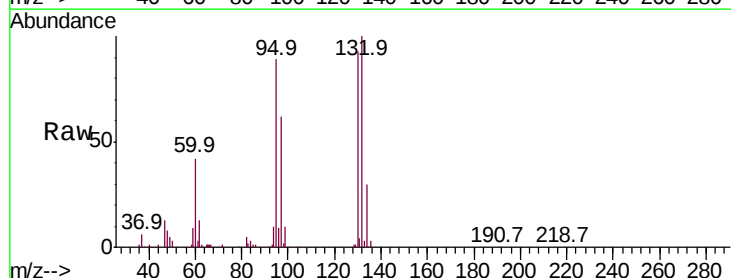
RT: 9.11 min Scan# 1223

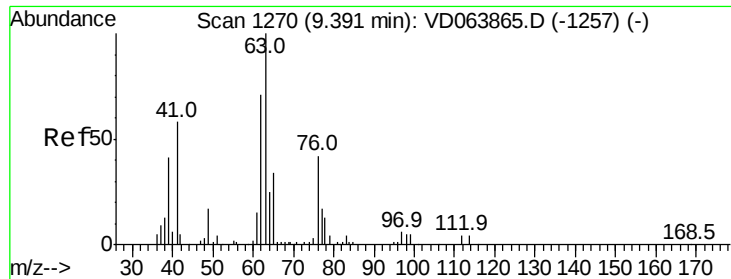
Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion:	130	Resp:	129130
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	175.6





#45

1,2-Dichloropropane

Concen: 51.700 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 104093

Ion Ratio Lower Upper

63 100

65 29.3

27.3

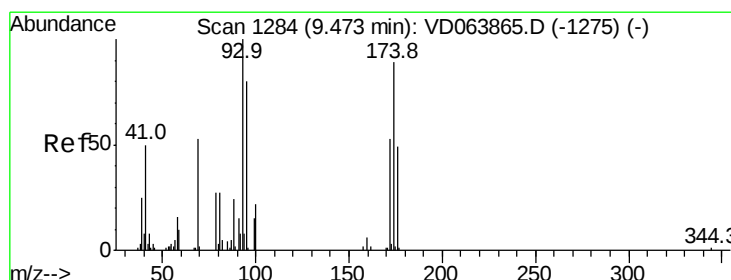
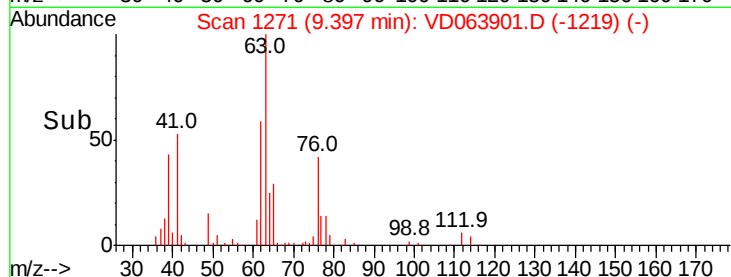
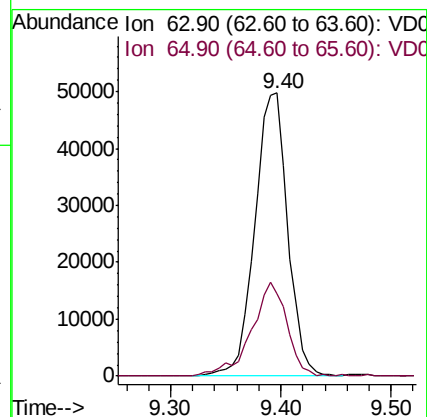
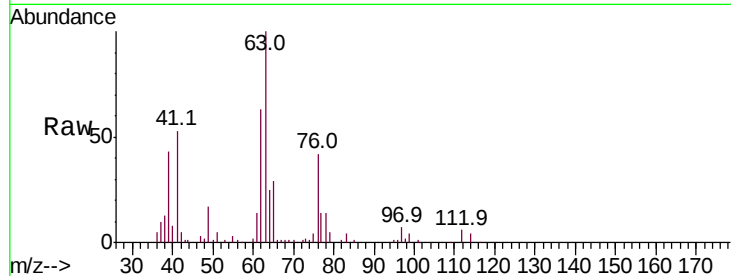
40.9

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#46

Dibromomethane

Concen: 53.370 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion: 93 Resp: 61197

Ion Ratio Lower Upper

93 100

95 82.6

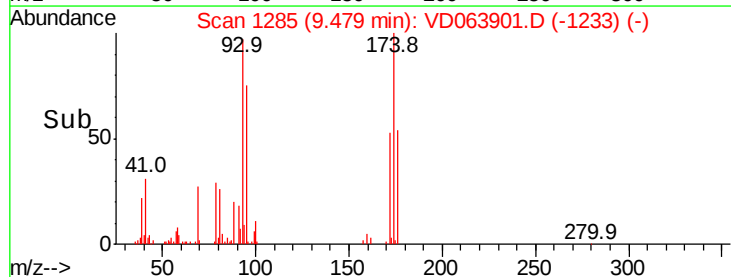
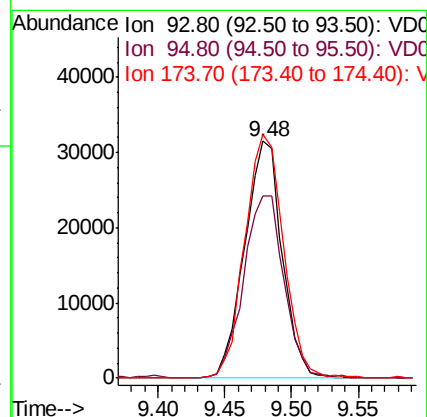
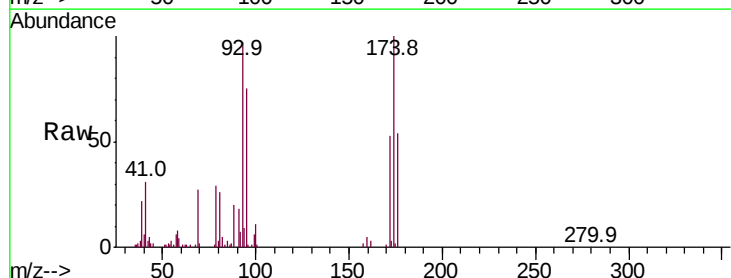
66.0

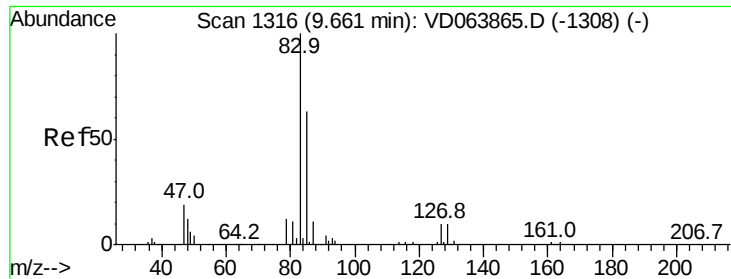
99.0

174 106.2

83.4

125.0





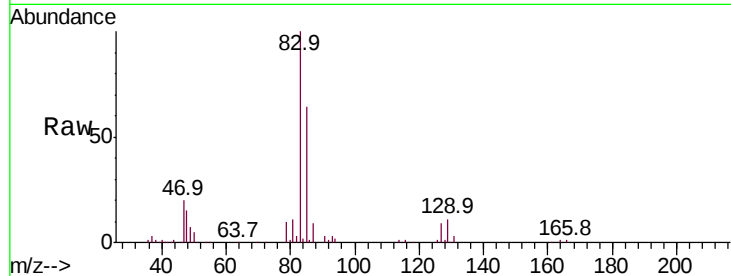
#47
Bromodichloromethane
Concen: 52.954 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

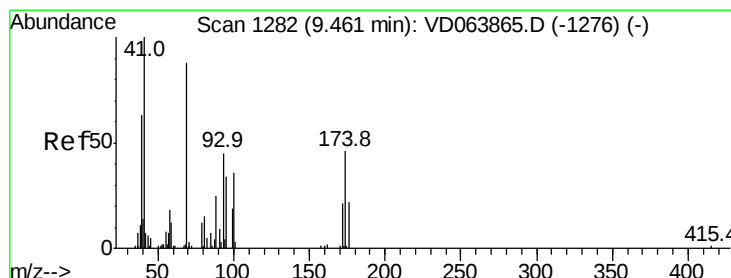
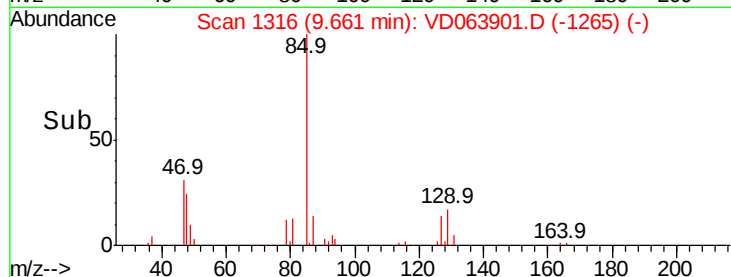
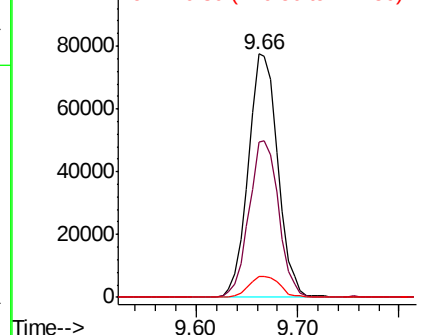
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.2	75.2
127	8.6	7.6	11.4

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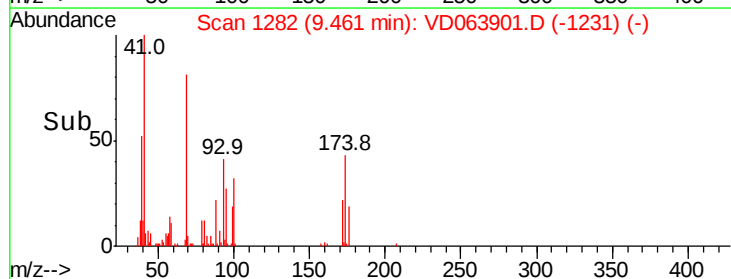
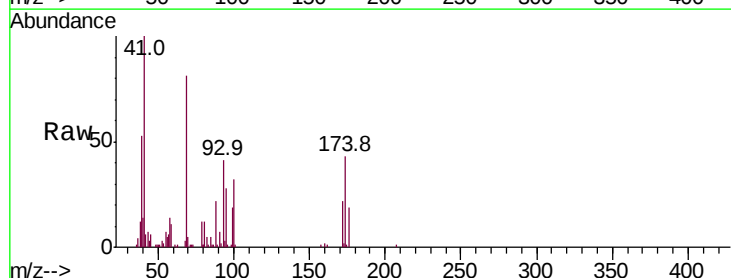
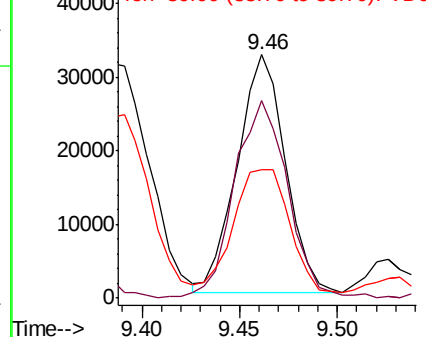
Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

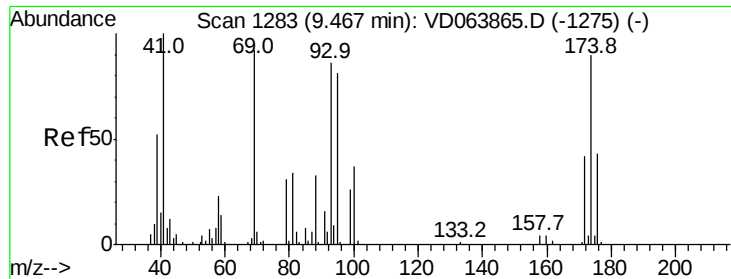


#48
Methyl methacrylate
Concen: 47.568 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.5	75.1	112.7
39	65.7	50.2	75.2

Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





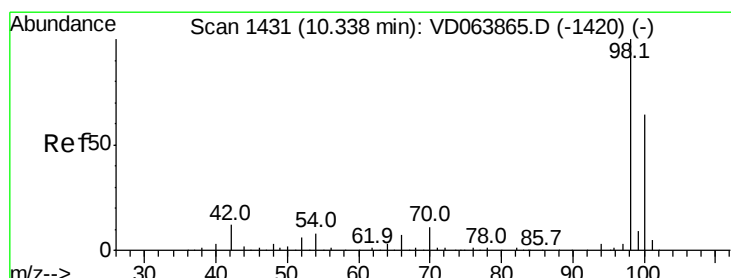
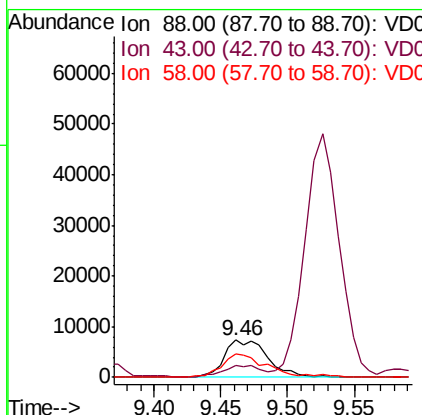
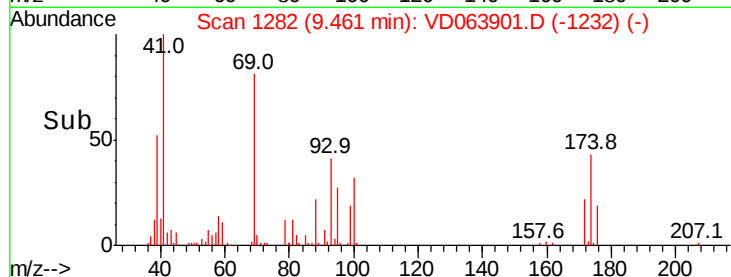
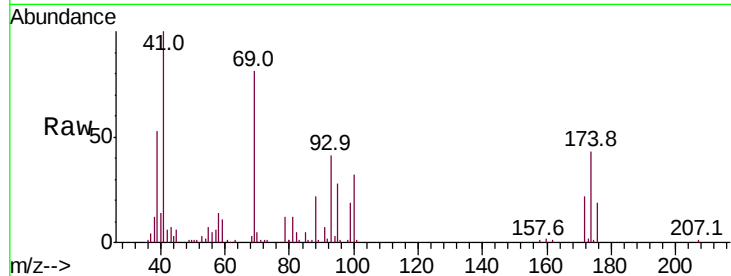
#49
1,4-Dioxane
Concen: 1057.699 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	27.6	41.4
58	61.5	54.1	81.1

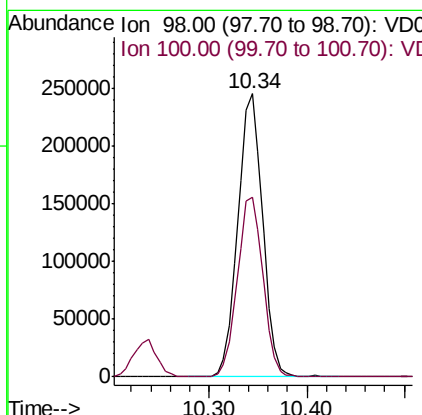
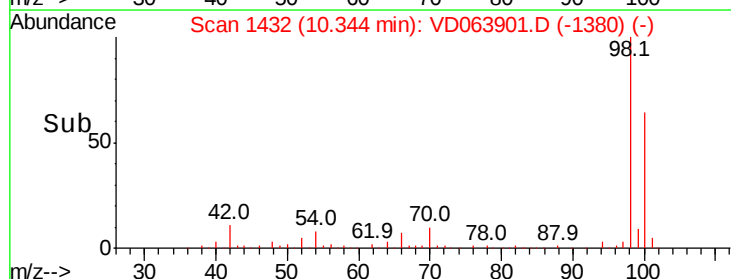
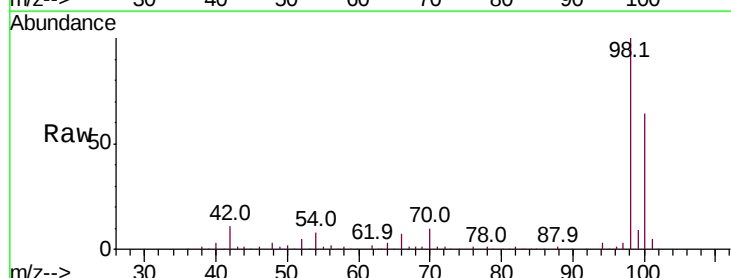
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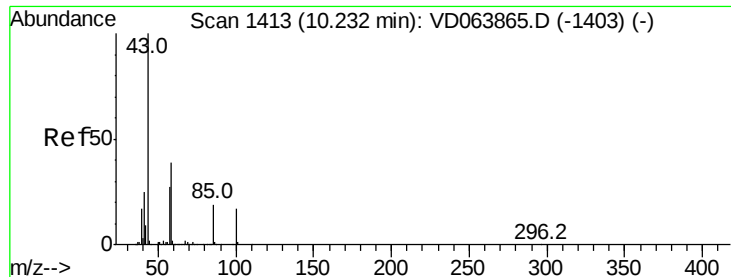
MMDadoda
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#50
Toluene-d8
Concen: 55.877 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 241.154 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 301073

Ion Ratio Lower Upper

43 100

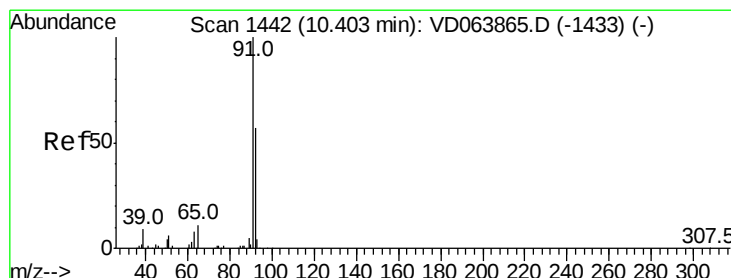
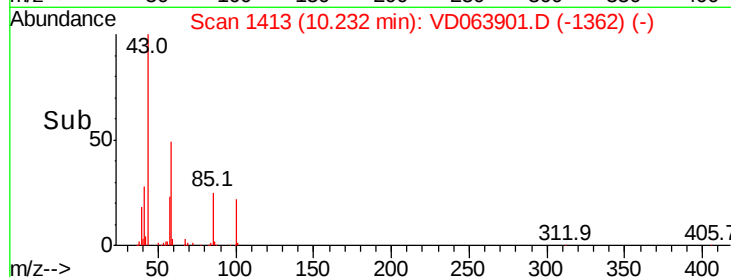
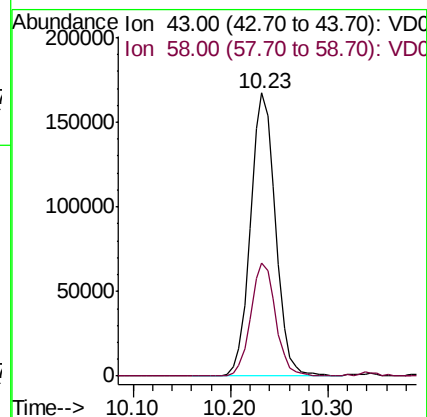
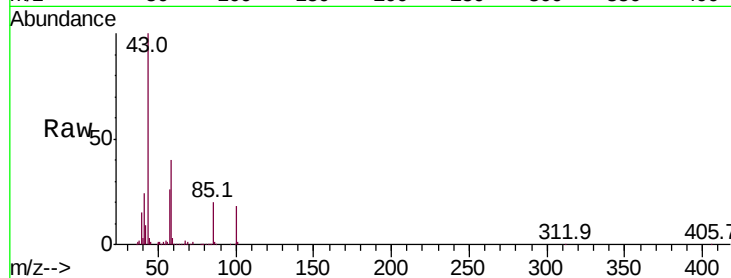
58 39.7 33.0 49.4

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#52

Toluene

Concen: 54.762 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063901.D

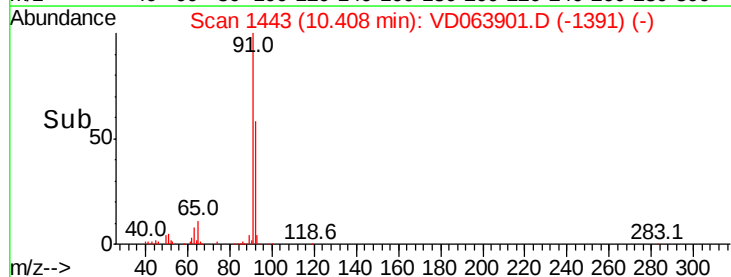
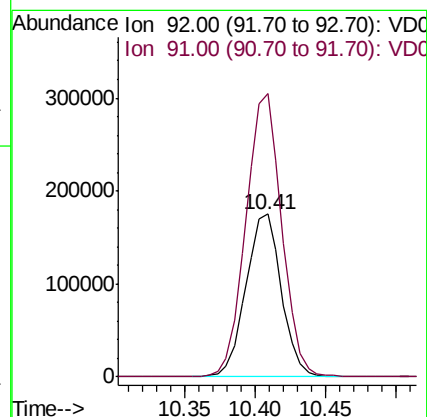
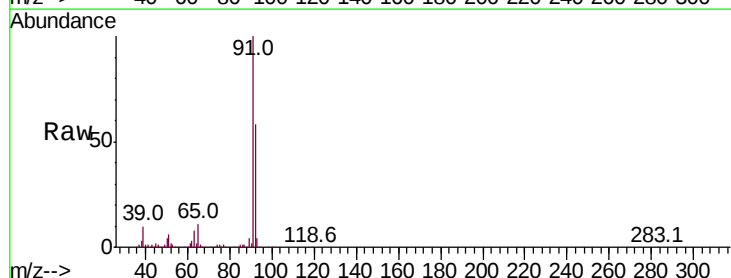
Acq: 10 Oct 2019 10:44

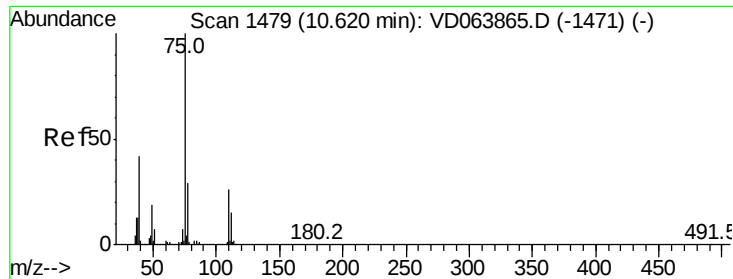
Tgt Ion: 92 Resp: 309239

Ion Ratio Lower Upper

92 100

91 175.7 139.5 209.3





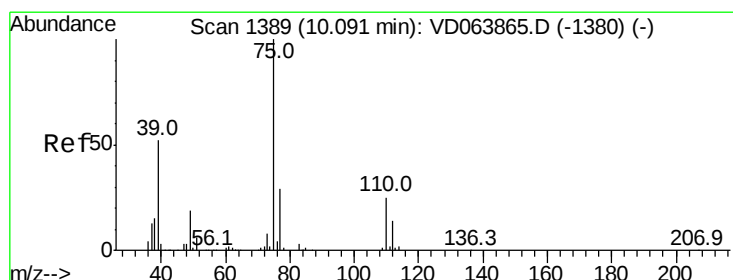
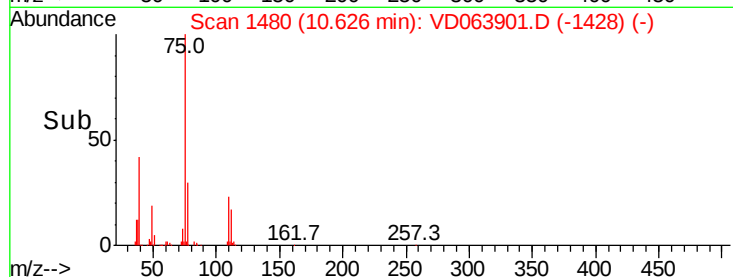
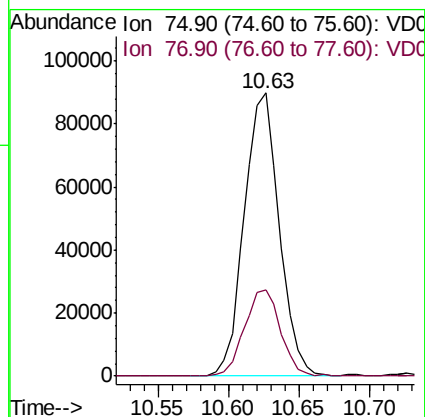
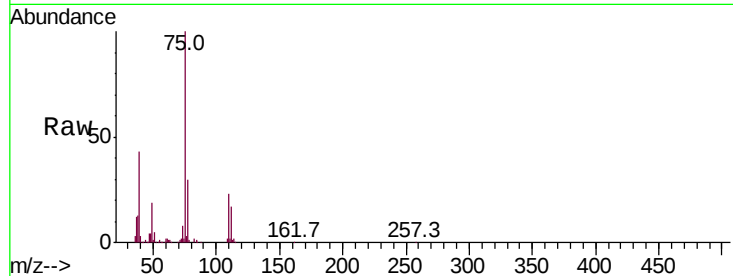
#53
 t-1,3-Dichloropropene
 Concen: 54.162 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 156031
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.8 34.2

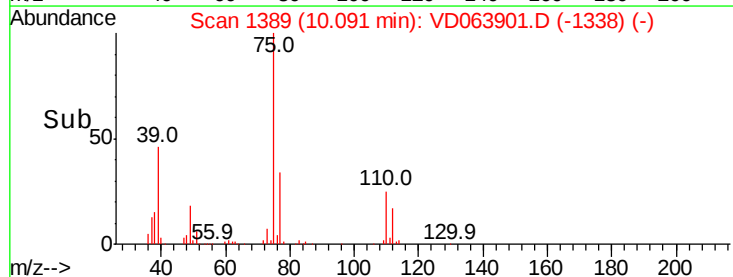
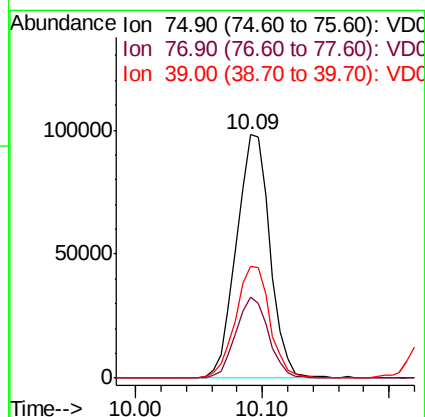
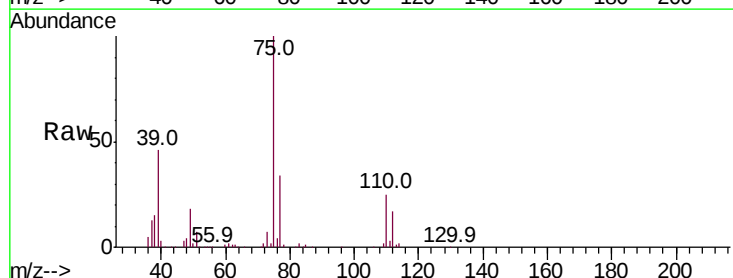
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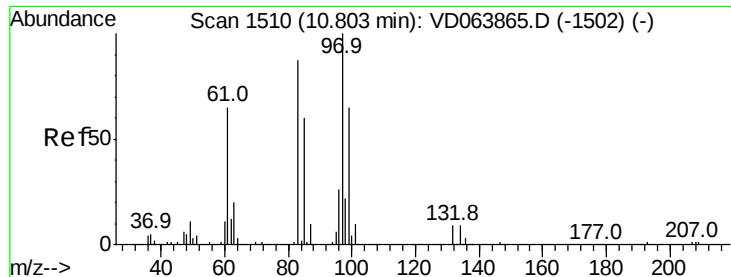
MMDadoda
 10/11/2019 10:23:55 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.323 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion: 75 Resp: 180145
 Ion Ratio Lower Upper
 75 100
 77 33.5 23.2 34.8
 39 46.0 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 53.690 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 86926

Ion Ratio Lower Upper

97 100

83 82.4 69.7 104.5

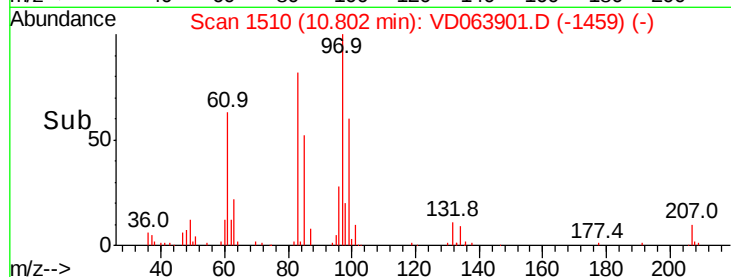
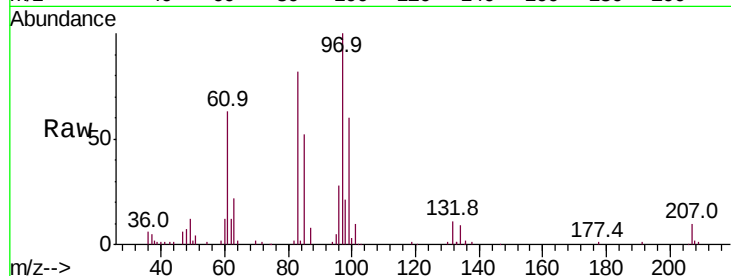
85 52.2 48.1 72.1

99 60.1 51.9 77.9

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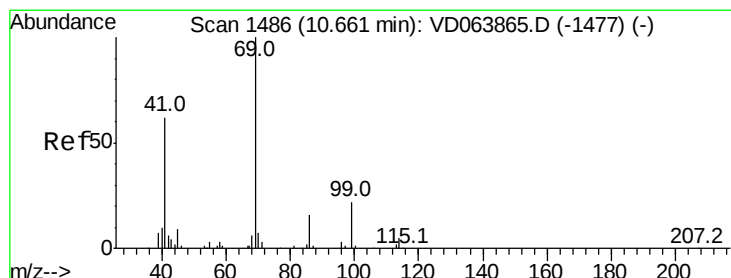
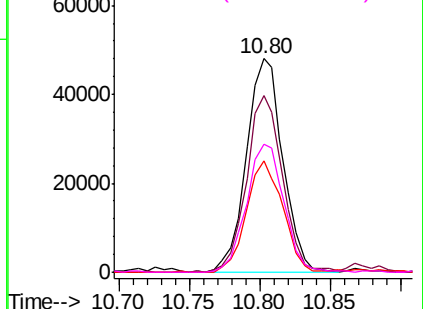


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 49.929 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

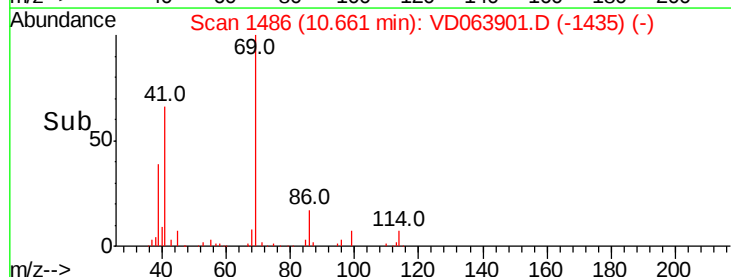
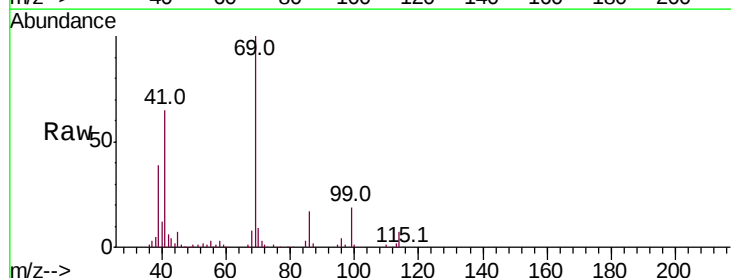
Tgt Ion: 69 Resp: 102368

Ion Ratio Lower Upper

69 100

41 65.3 51.3 76.9

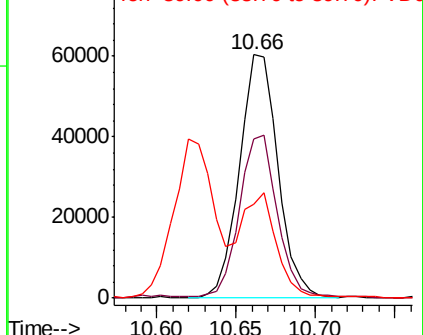
39 39.9 28.0 42.0

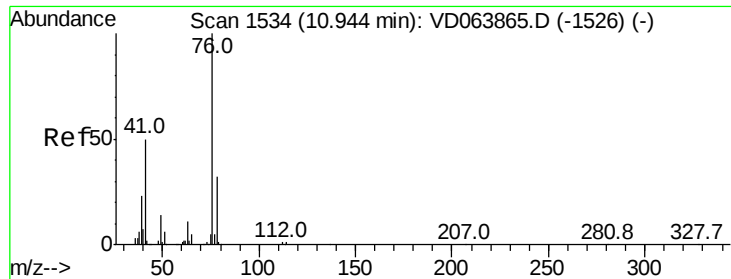


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 51.272 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

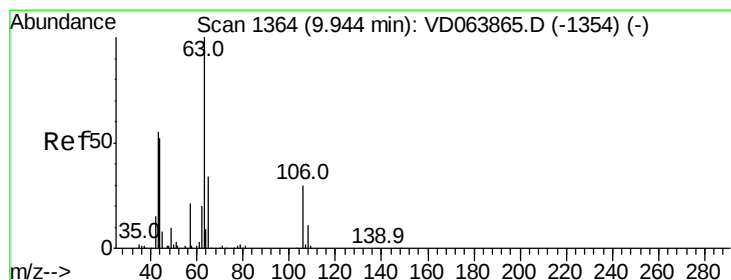
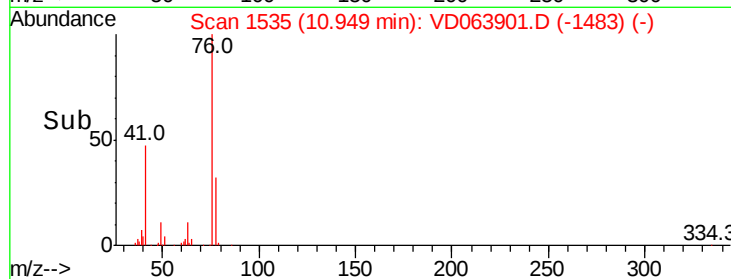
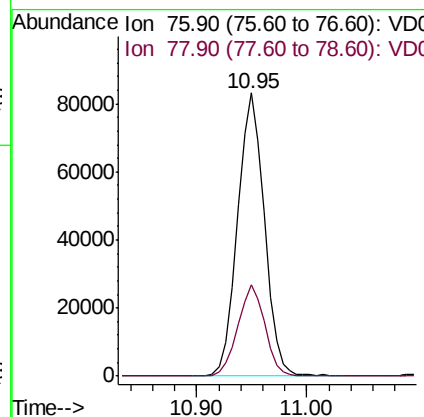
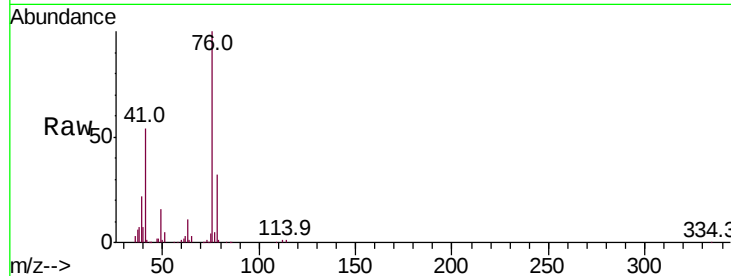
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 142030

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.6	40.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 241.231 ug/l

RT: 9.94 min Scan# 1364

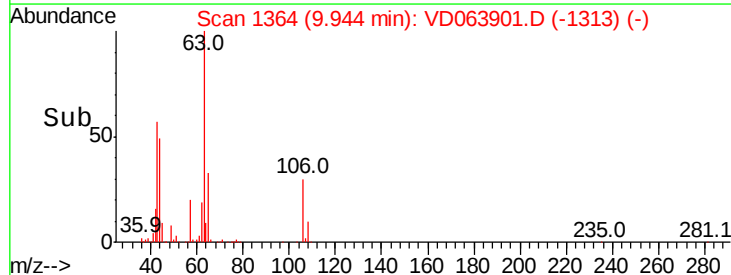
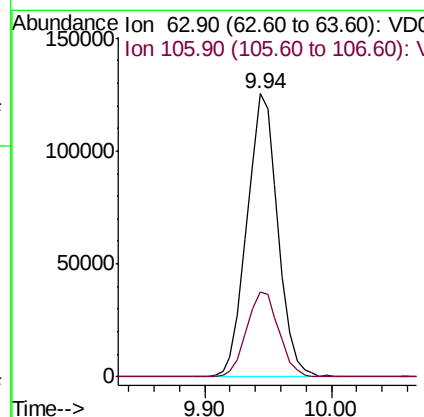
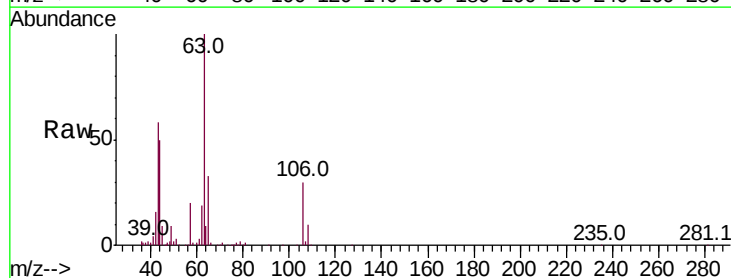
Delta R.T. -0.00 min

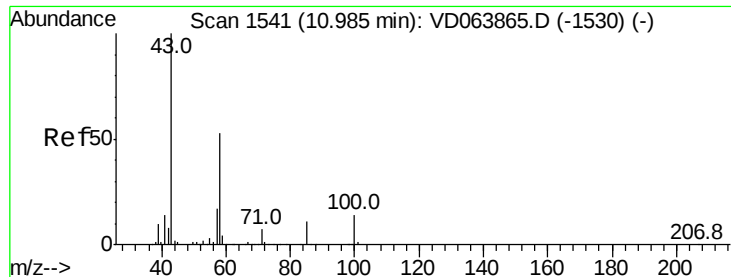
Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion: 63 Resp: 212594

Ion	Ratio	Lower	Upper
63	100		
106	31.3	24.3	36.5





#59

2-Hexanone

Concen: 266.631 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 240796

Ion Ratio Lower Upper

43 100

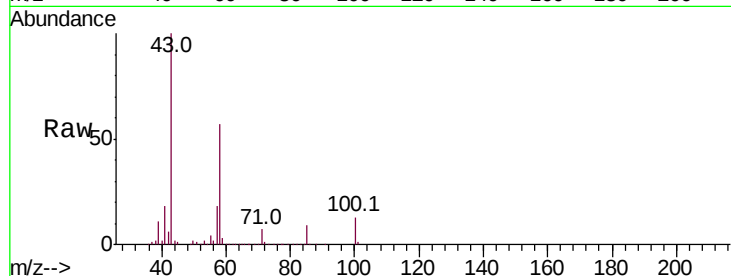
58 55.3 27.7 83.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.99

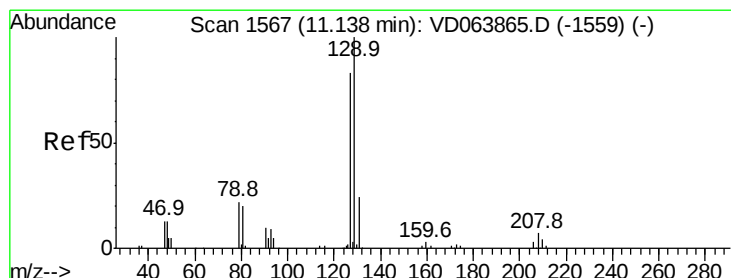
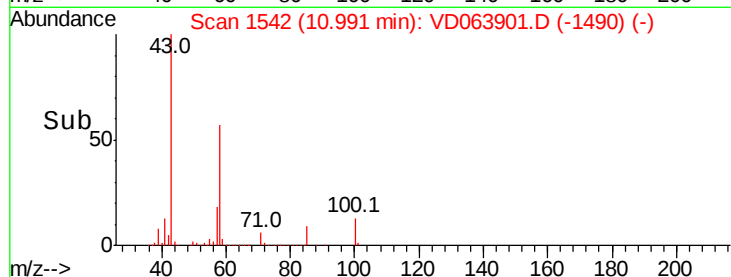
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 55.859 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VD063901.D

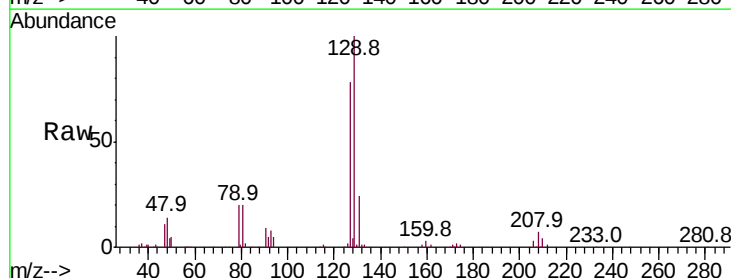
Acq: 10 Oct 2019 10:44

Tgt Ion:129 Resp: 117741

Ion Ratio Lower Upper

129 100

127 77.1 39.9 119.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.14

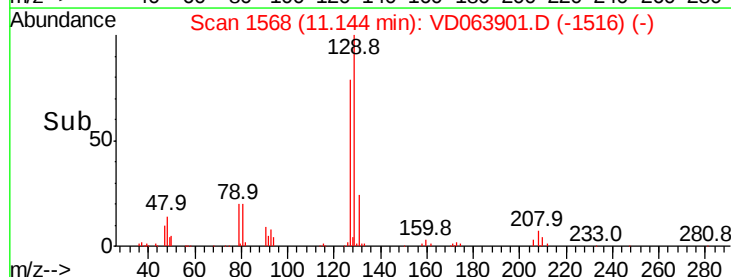
60000

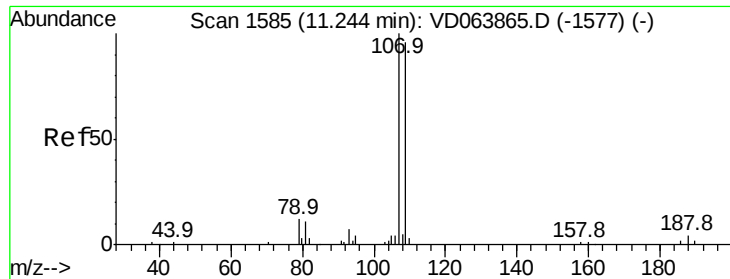
40000

20000

0

Time-->





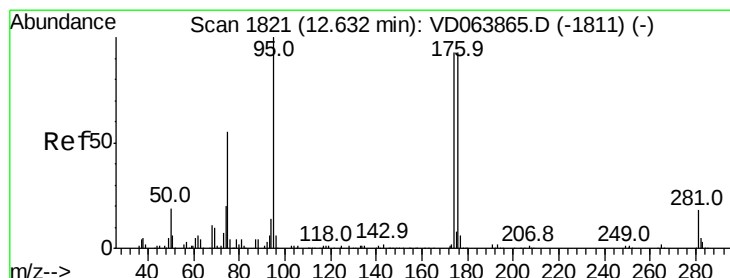
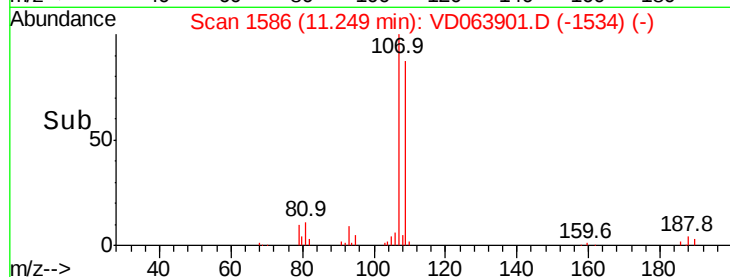
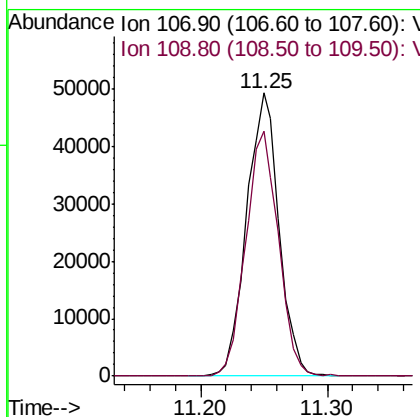
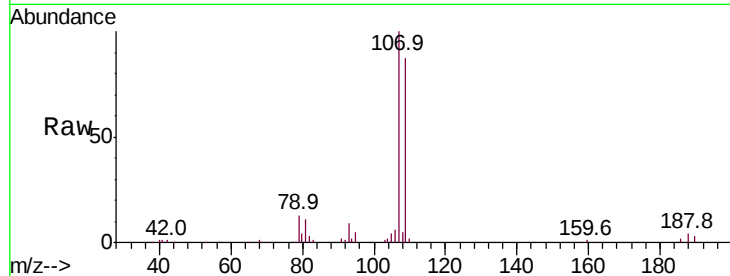
#61
 1,2-Dibromoethane
 Concen: 55.714 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 87449
 Ion Ratio Lower Upper
 107 100
 109 87.3 75.2 112.8

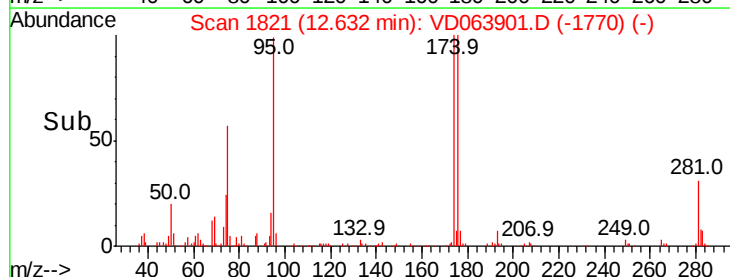
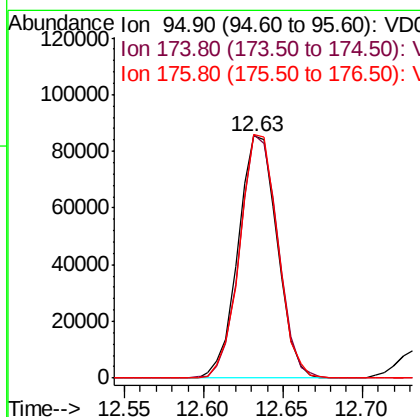
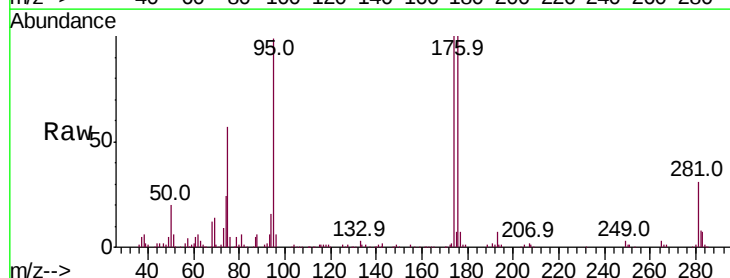
Manual Integrations
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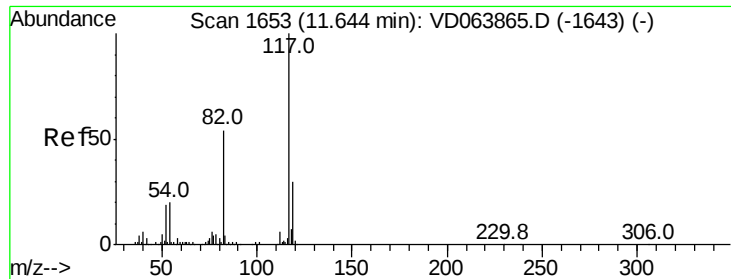
MMDadoda
 10/11/2019 10:23:55 AM



#62
 4-Bromofluorobenzene
 Concen: 54.030 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion: 95 Resp: 146210
 Ion Ratio Lower Upper
 95 100
 174 97.9 0.0 186.4
 176 97.7 0.0 184.2





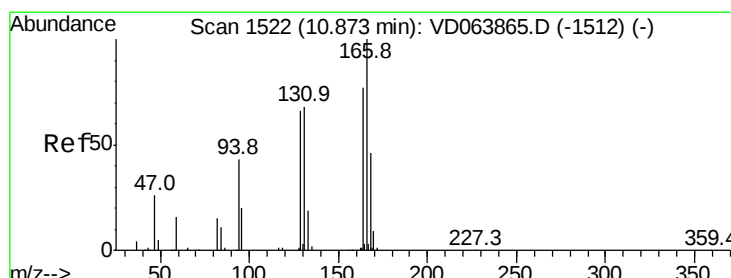
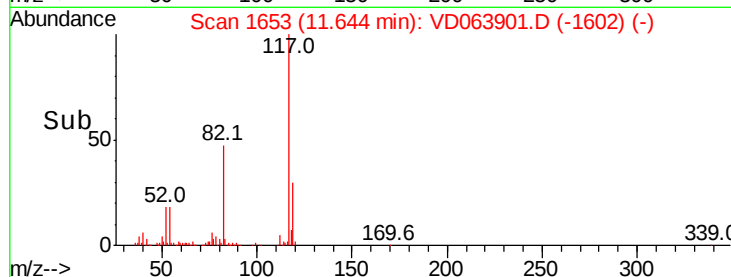
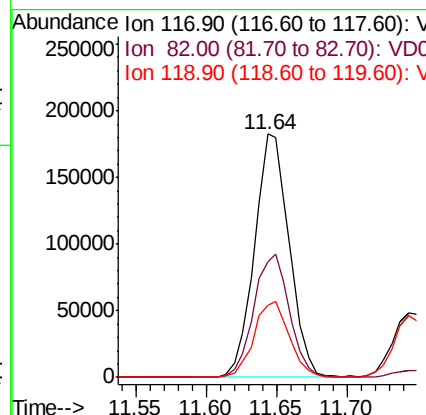
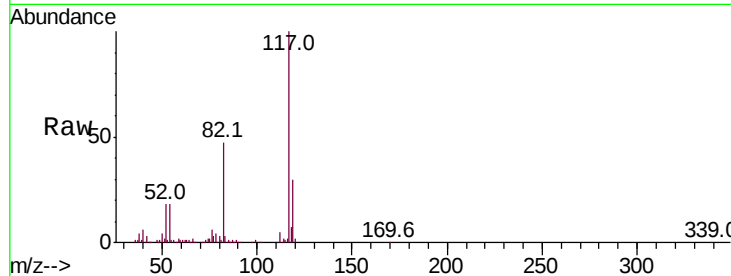
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.5	42.8	64.2
119	29.5	24.4	36.6

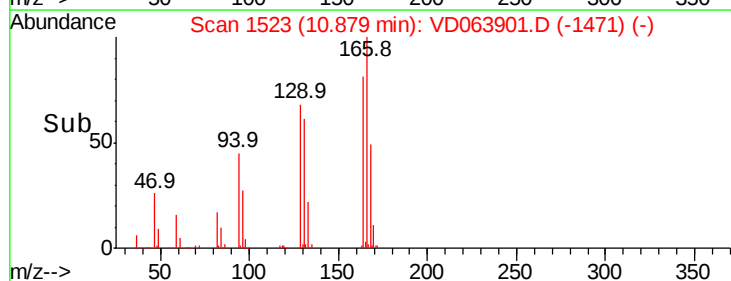
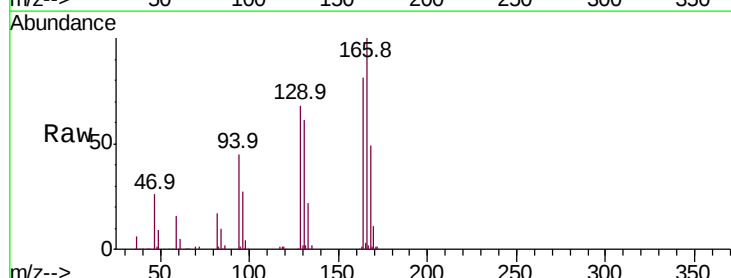
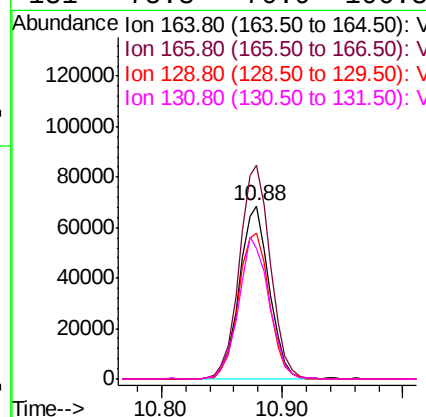
Manual Integrations
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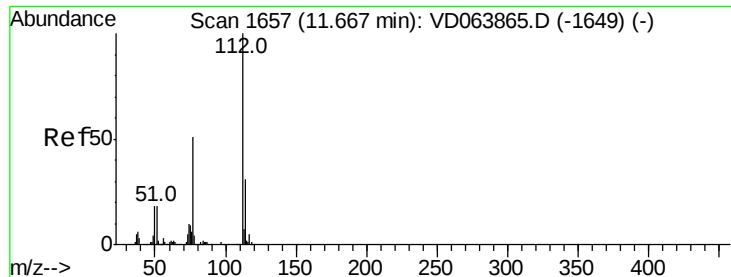
MMDadoda
10/11/2019 10:23:55 AM



#64
Tetrachloroethene
Concen: 55.116 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	103.8	155.6
129	84.2	68.9	103.3
131	75.3	70.9	106.3





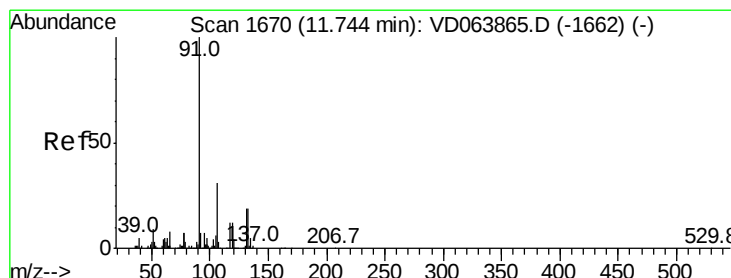
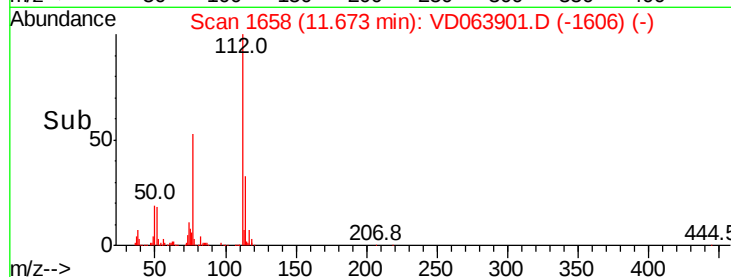
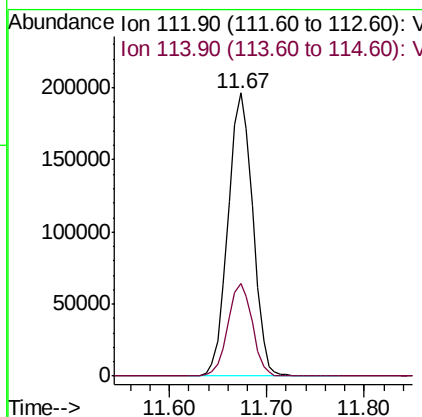
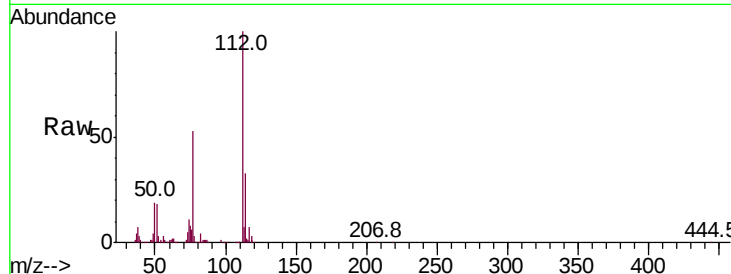
#65
Chlorobenzene
Concen: 54.704 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.1	37.7

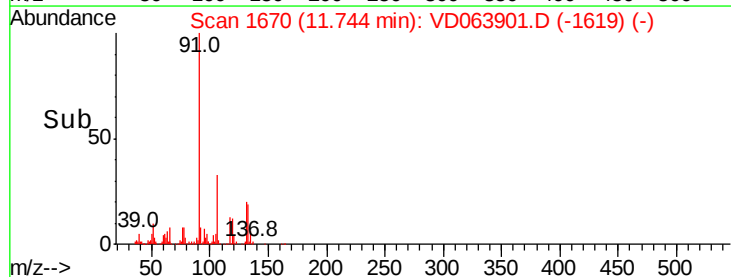
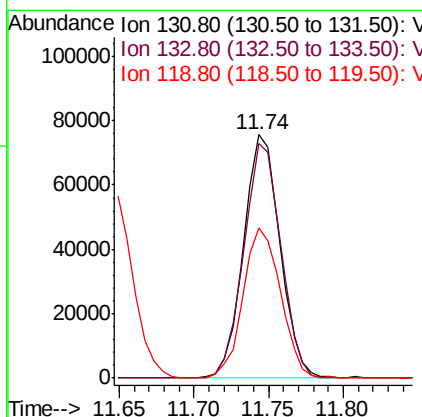
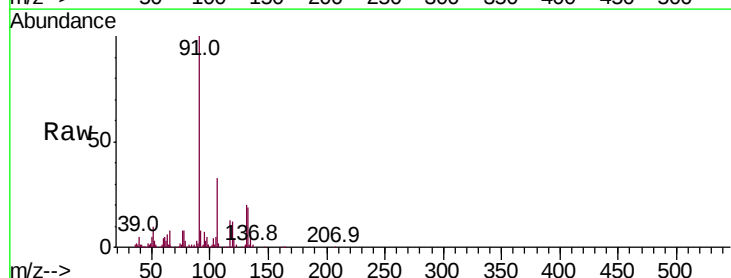
Manual Integrations
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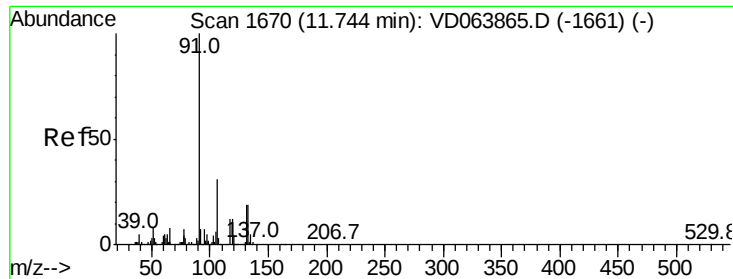
MMDadoda
10/11/2019 10:23:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.957 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	48.9	146.7
119	63.4	32.6	97.8





#67

Ethyl Benzene

Concen: 54.905 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 626965

Ion Ratio Lower Upper

91 100

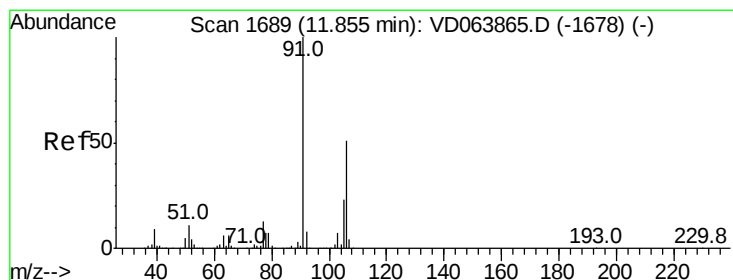
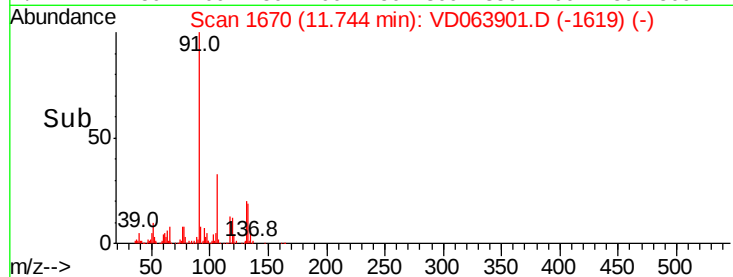
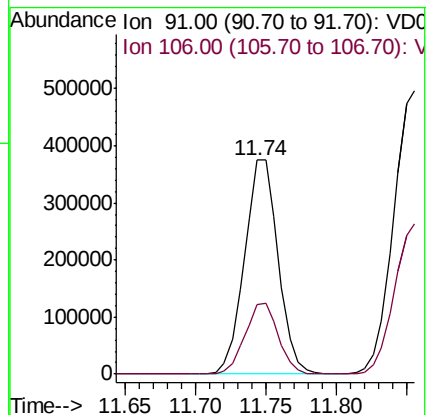
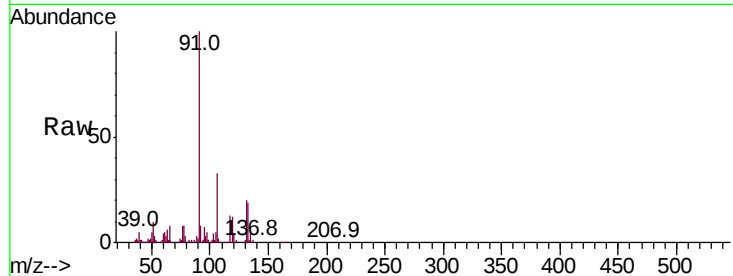
106 32.6 24.6 37.0

Manual Integrations

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10/11/2019 10:23:55 AM



#68

m/p-Xylenes

Concen: 113.663 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063901.D

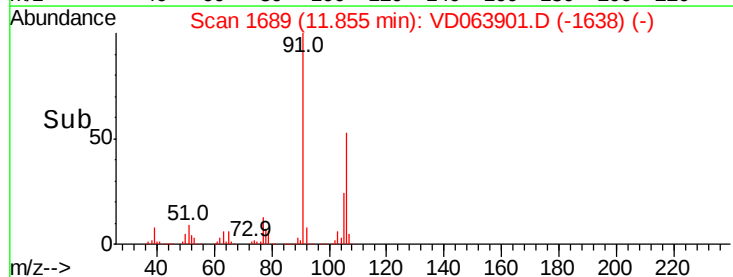
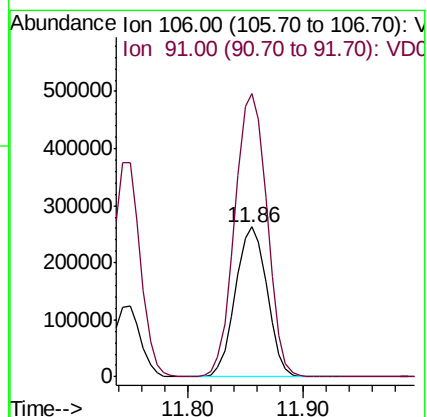
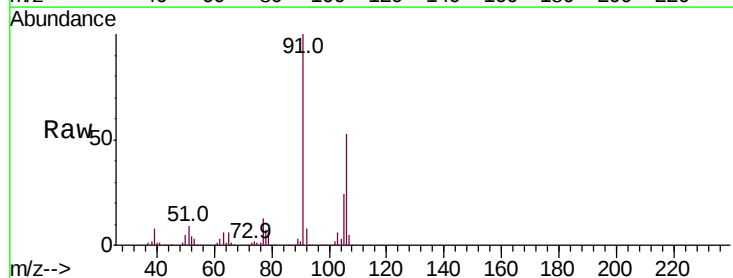
Acq: 10 Oct 2019 10:44

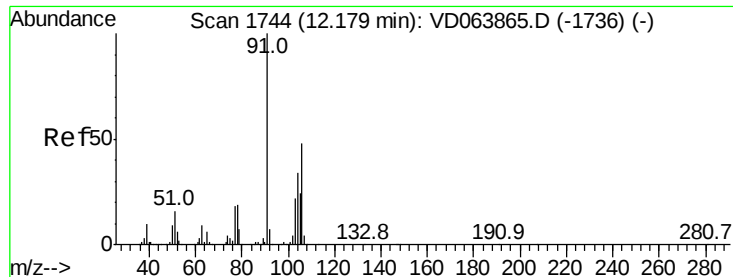
Tgt Ion: 106 Resp: 500973

Ion Ratio Lower Upper

106 100

91 192.0 154.8 232.2





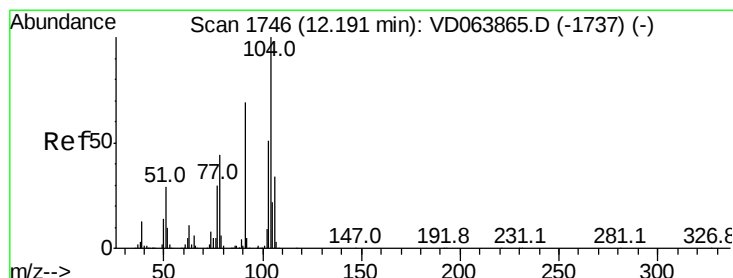
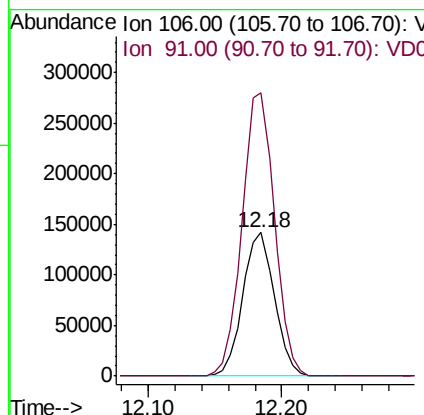
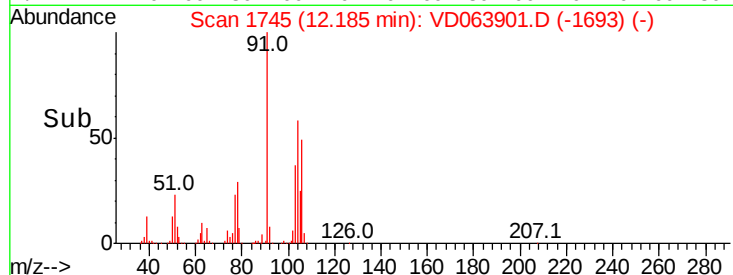
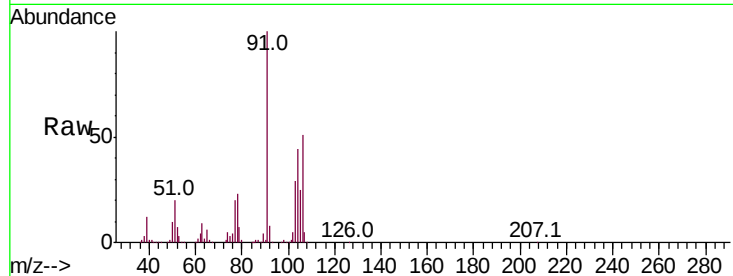
#69
o-Xylene
Concen: 55.089 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.1	103.9	311.7

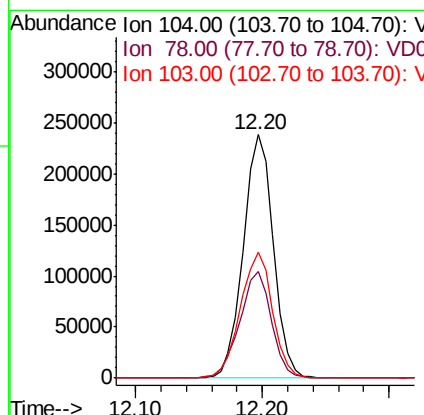
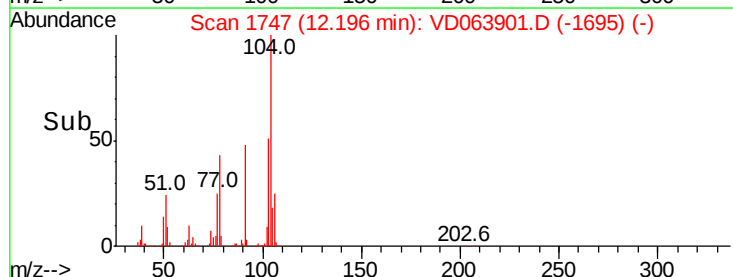
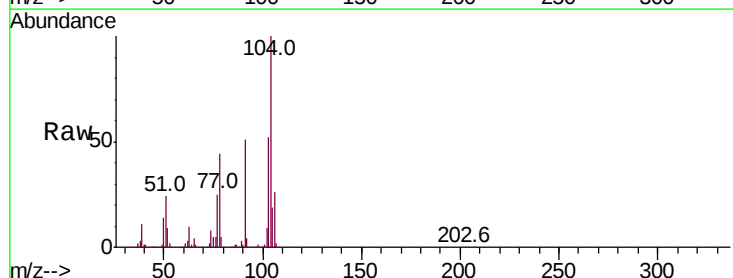
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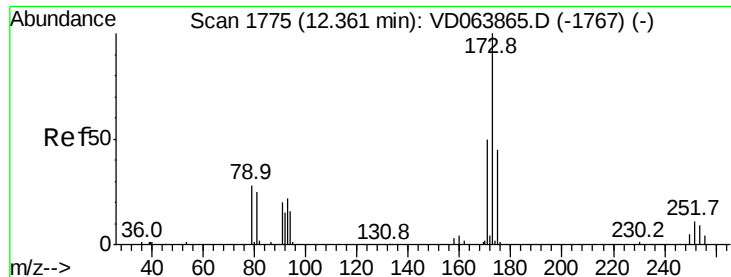
MMDadoda
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#70
Styrene
Concen: 54.989 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.8	37.0	55.4
103	55.2	44.2	66.4





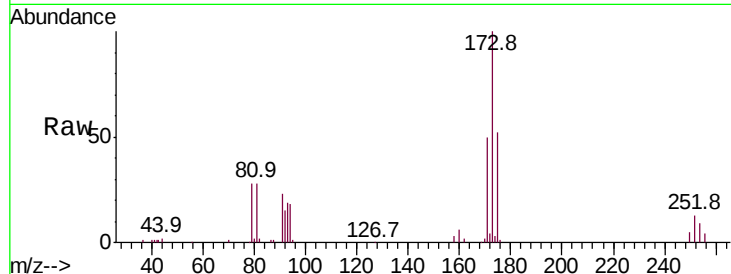
#71
Bromoform
Concen: 52.993 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.7	24.6	74.0
254	0.0	0.0	0.0

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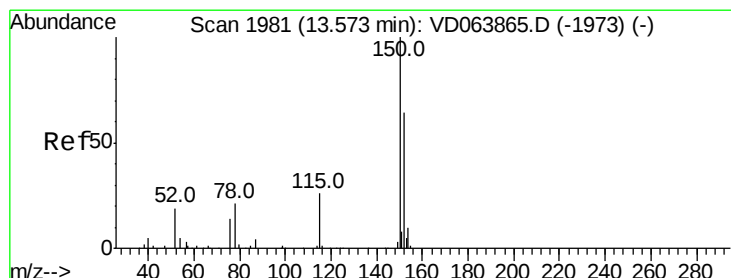
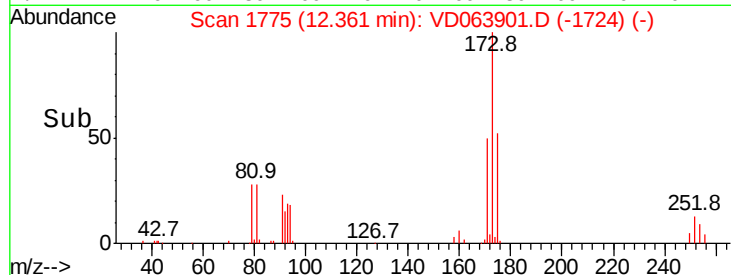
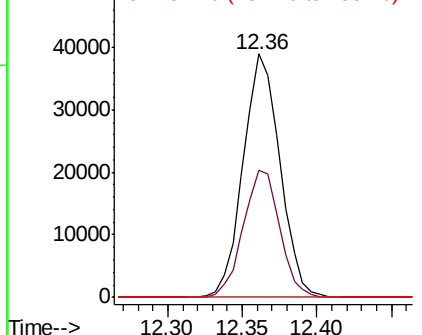


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

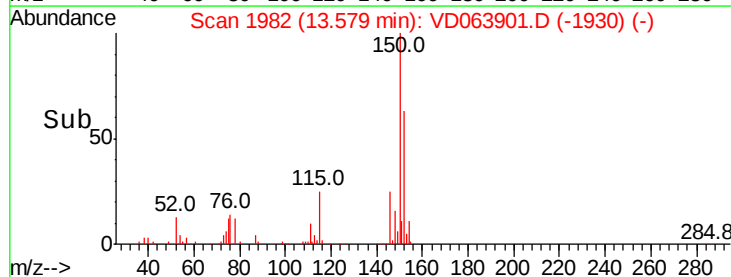
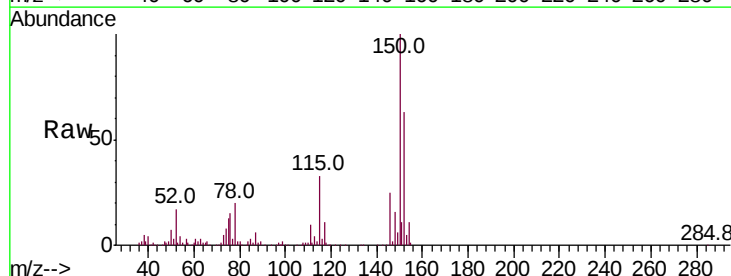
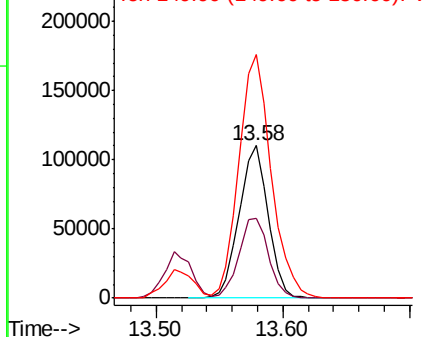
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	25.9	77.7
150	178.5	0.0	344.2

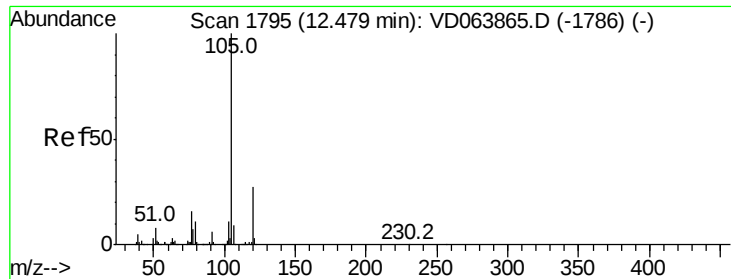
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.502 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 638060

Ion Ratio Lower Upper

105 100

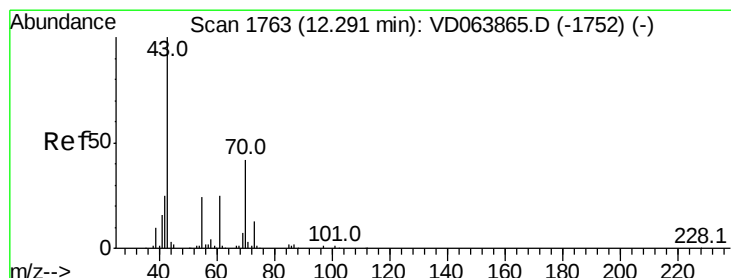
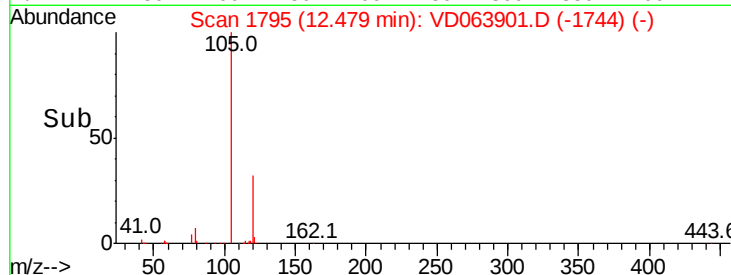
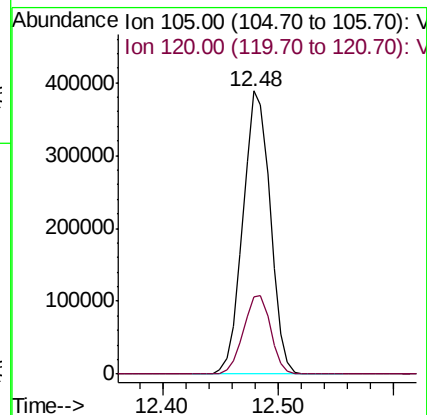
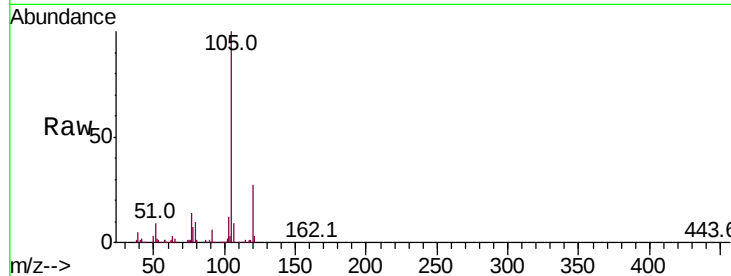
120 27.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 44.945 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion: 43 Resp: 113287

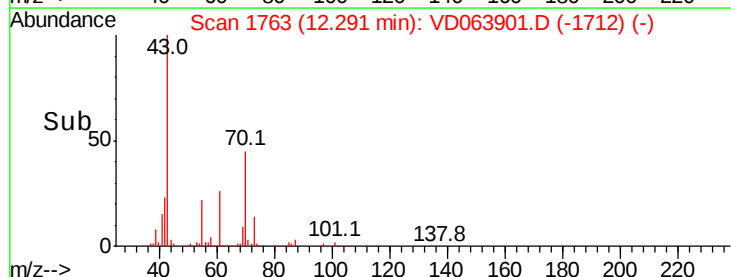
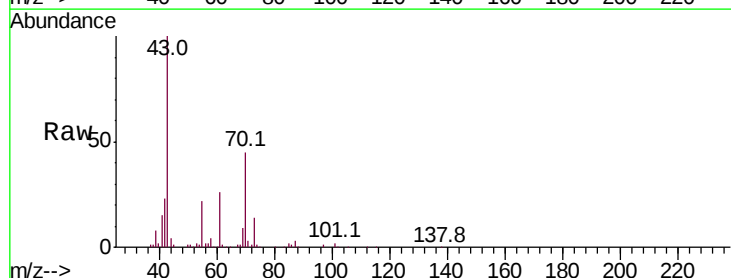
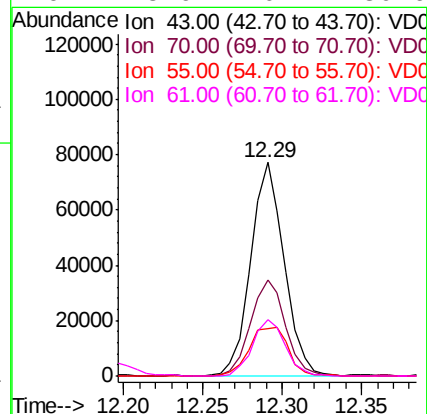
Ion Ratio Lower Upper

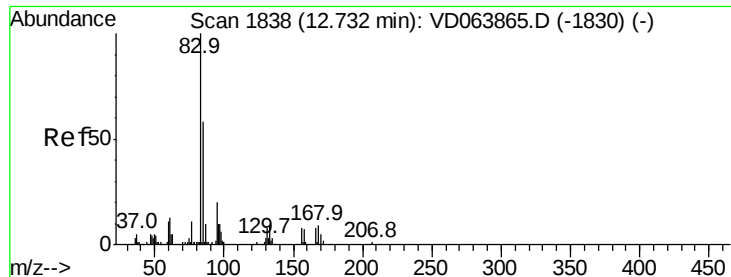
43 100

70 46.9 35.8 53.6

55 26.6 19.4 29.0

61 25.9 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.936 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

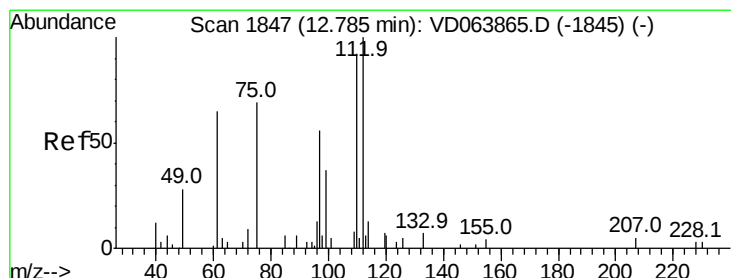
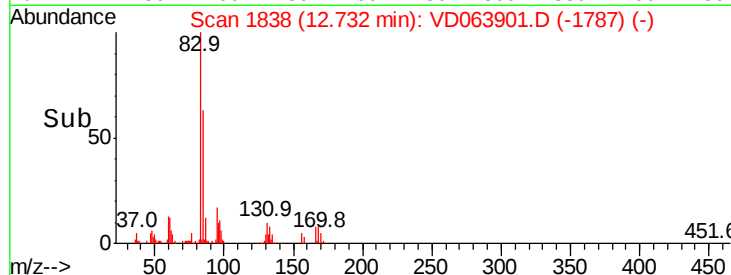
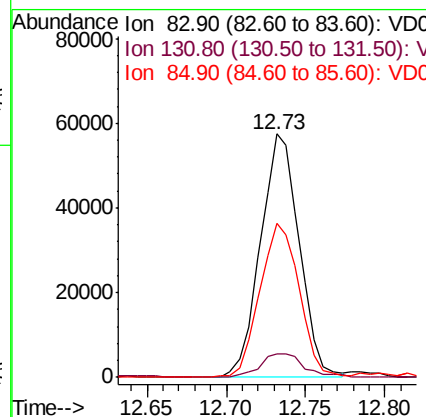
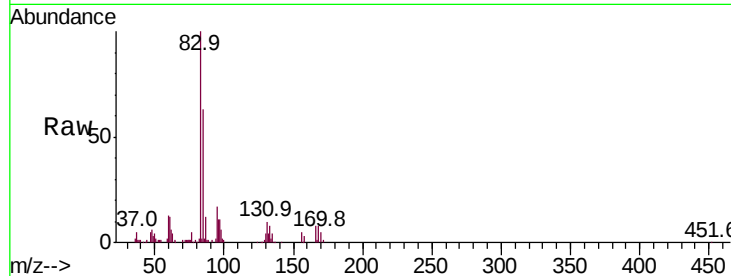
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	97655
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.2	32.3	96.8

Manual Integrations
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10/11/2019 10:23:55 AM



#76

1,2,3-Trichloropropane

Concen: 55.602 ug/l m

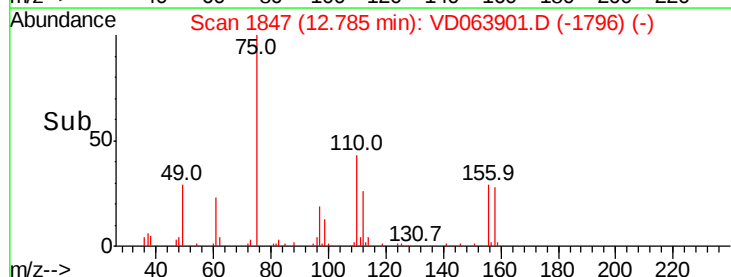
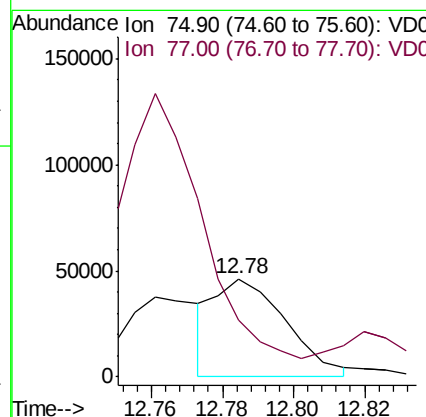
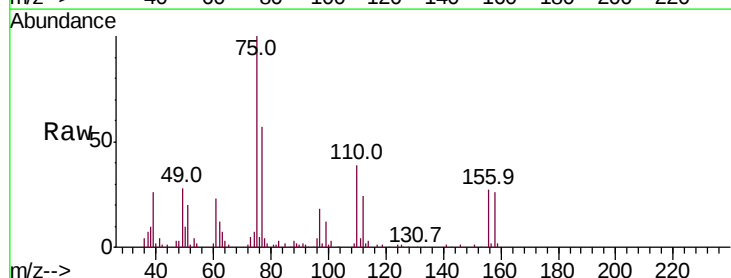
RT: 12.78 min Scan# 1847

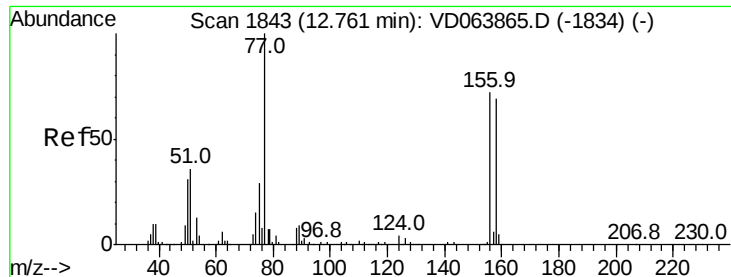
Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion:	75	Resp:	64853
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





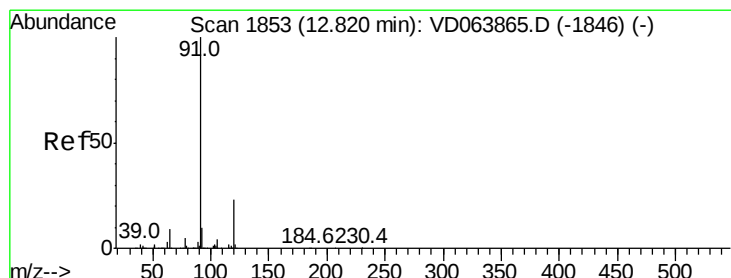
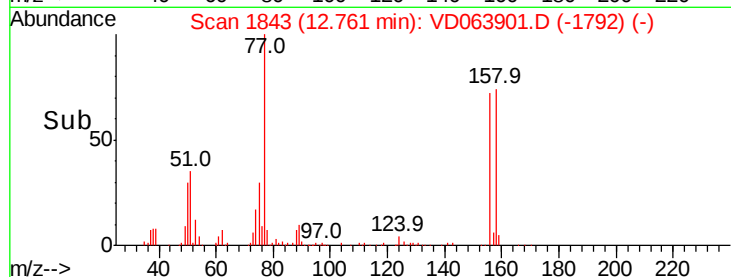
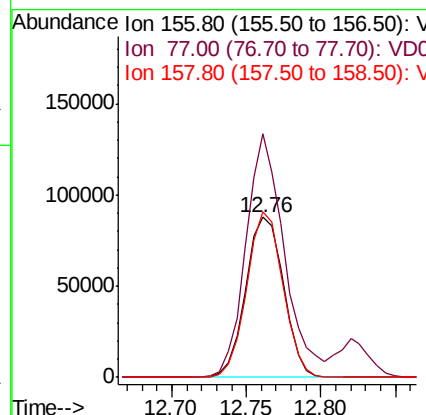
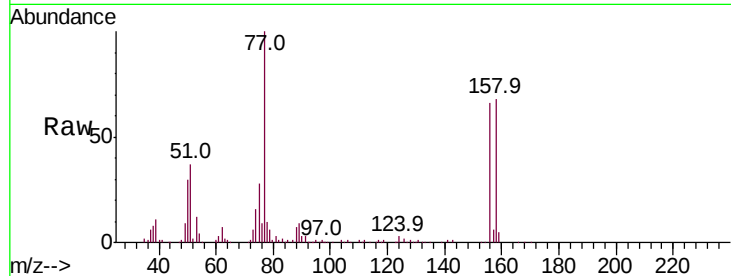
#77
Bromobenzene
Concen: 52.758 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.7	80.3	241.0
158	98.5	47.4	142.2

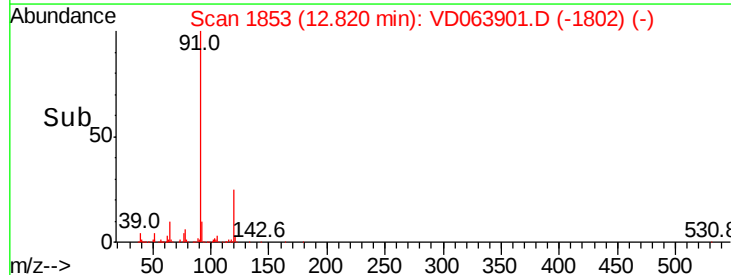
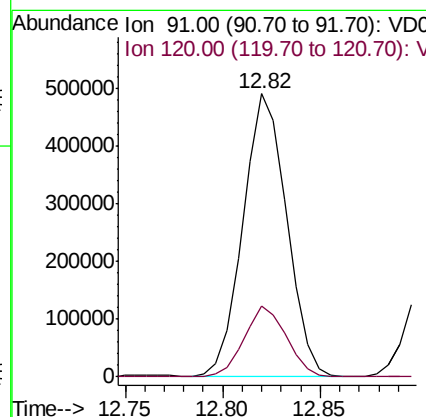
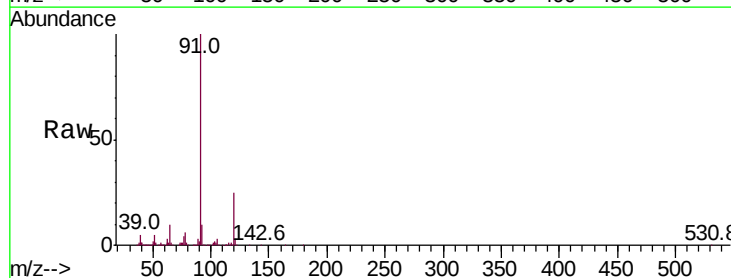
Manual Integrations
APPROVED

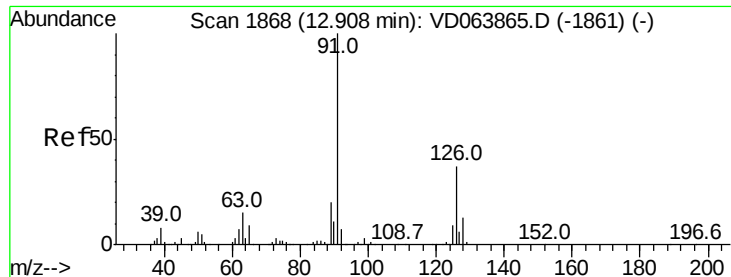
MMDadoda
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#78
n-propylbenzene
Concen: 55.217 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0





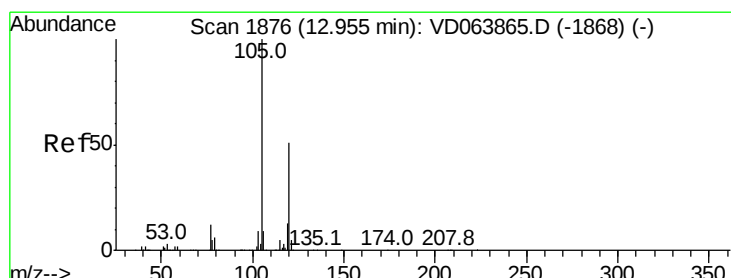
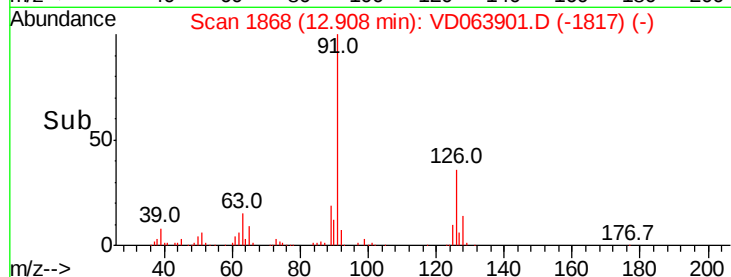
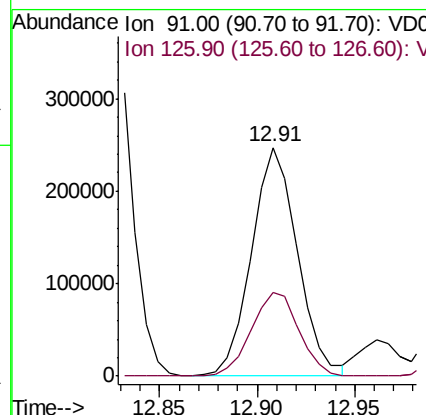
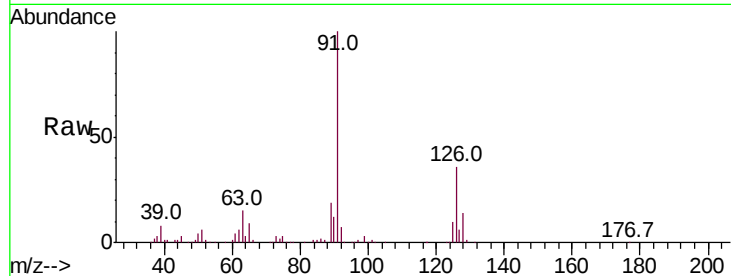
#79
2-Chlorotoluene
Concen: 53.094 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 402299
Ion Ratio Lower Upper
91 100
126 38.1 18.4 55.2

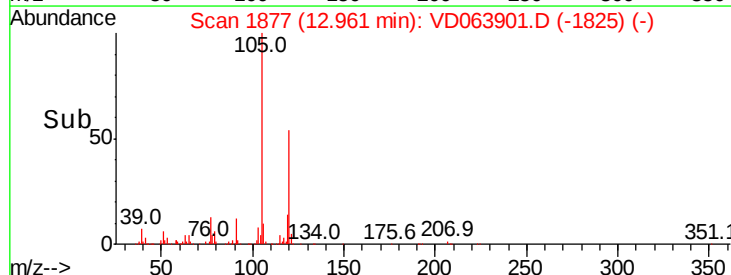
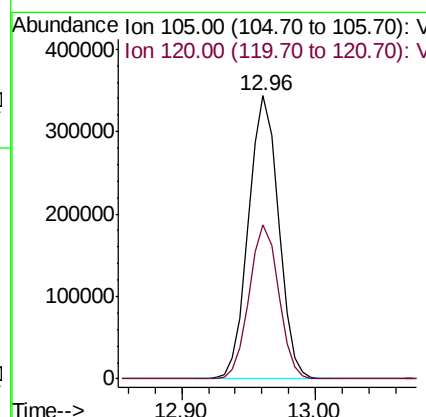
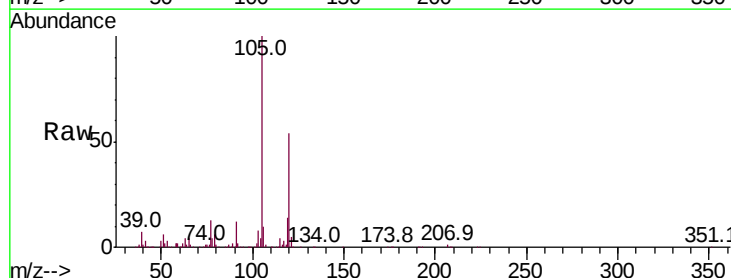
Manual Integrations
APPROVED

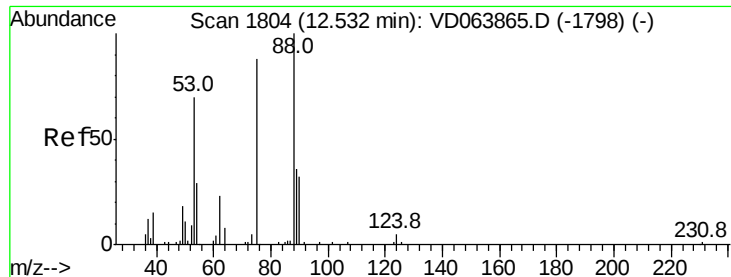
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 54.538 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion:105 Resp: 532670
Ion Ratio Lower Upper
105 100
120 53.4 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.856 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 31543

Ion Ratio Lower Upper

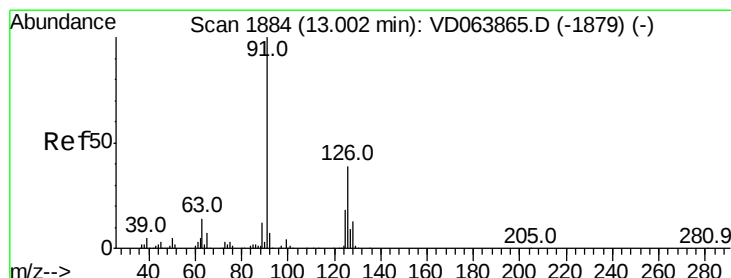
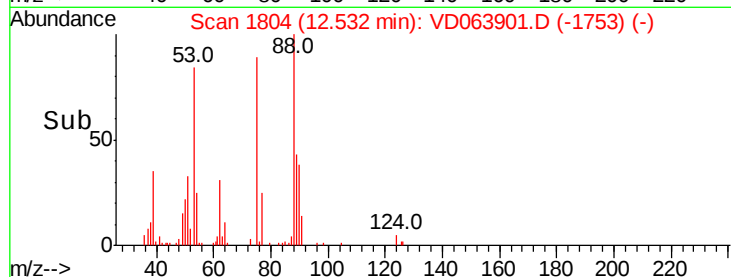
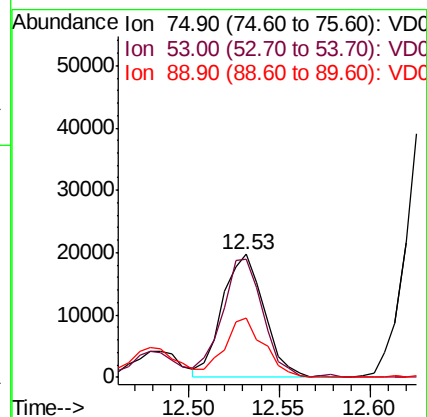
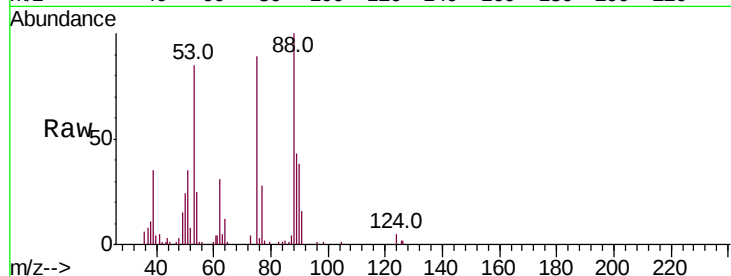
75 100

53 92.7 75.0 112.6

89 46.2 38.2 57.4

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#82

4-Chlorotoluene

Concen: 51.633 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063901.D

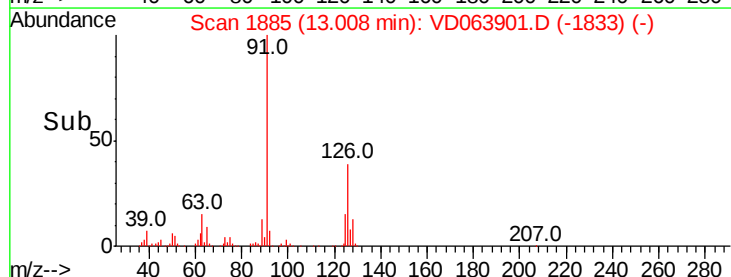
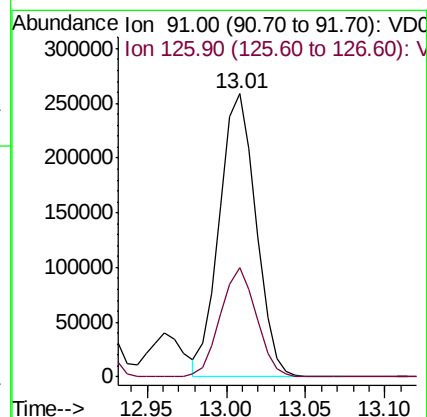
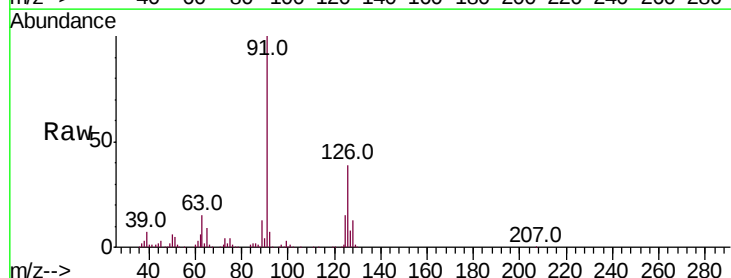
Acq: 10 Oct 2019 10:44

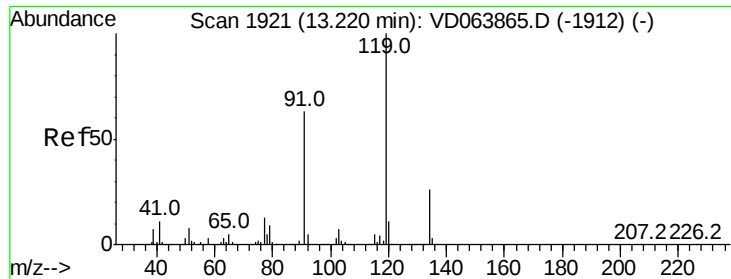
Tgt Ion: 91 Resp: 415018

Ion Ratio Lower Upper

91 100

126 38.1 18.6 55.8





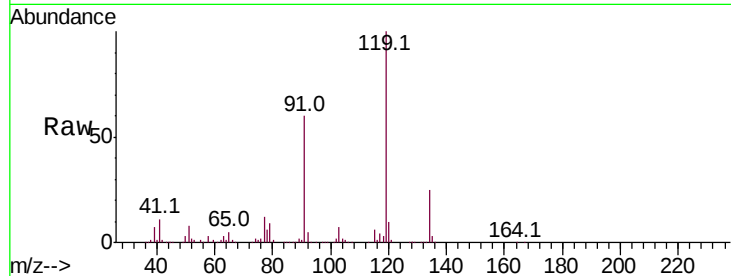
#83
tert-Butylbenzene
Concen: 54.481 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

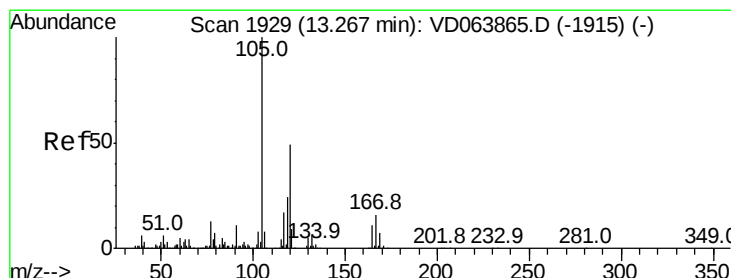
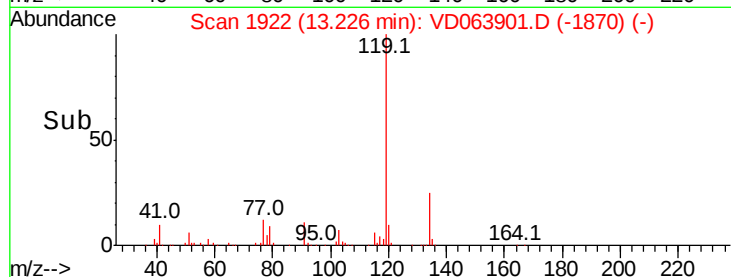
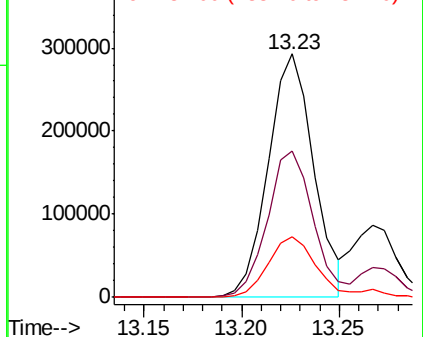
Tot Ion	Ratio	Resp	Lower	Upper
119	100	473566		
91	60.9		30.0	90.0
134	25.9		13.0	38.9

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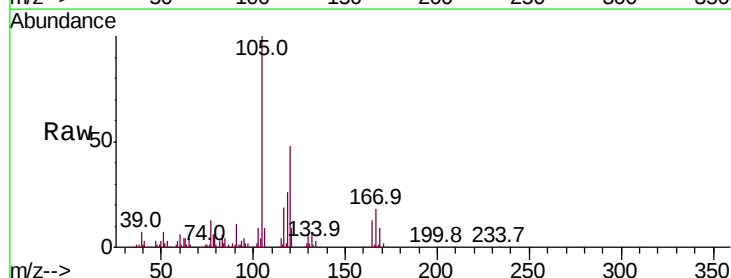


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

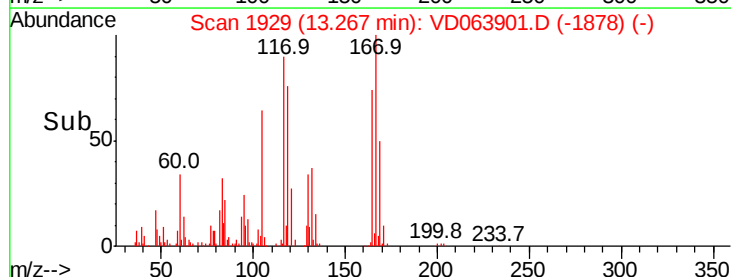
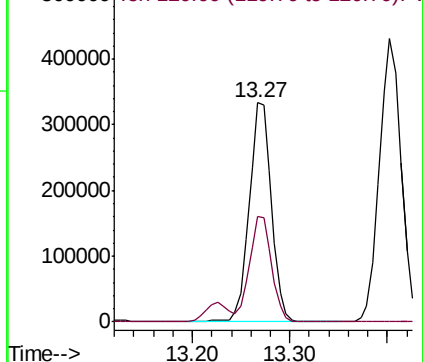


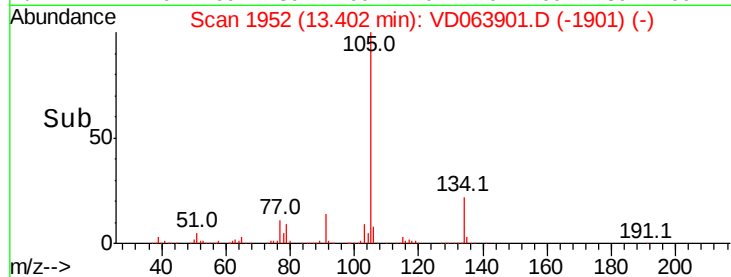
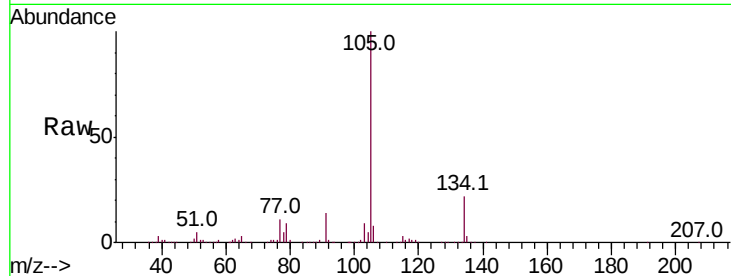
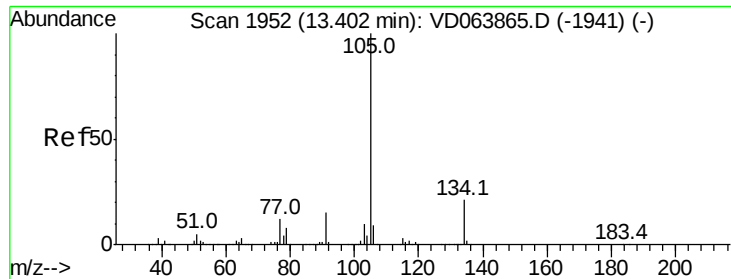
#84
1,2,4-Trimethylbenzene
Concen: 52.783 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	531474		
120	47.8		23.8	71.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.853 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tot Ion:105 Resp: 667376

Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8

Instrument :

MSVOA_D

ClientSampleId :

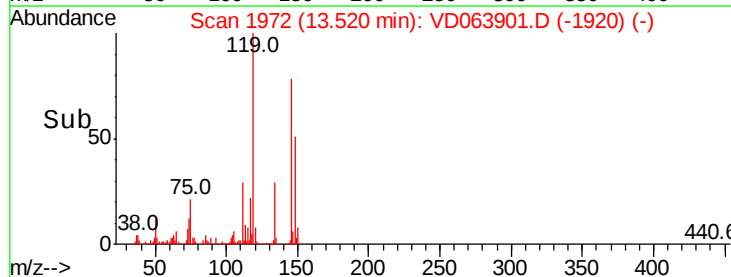
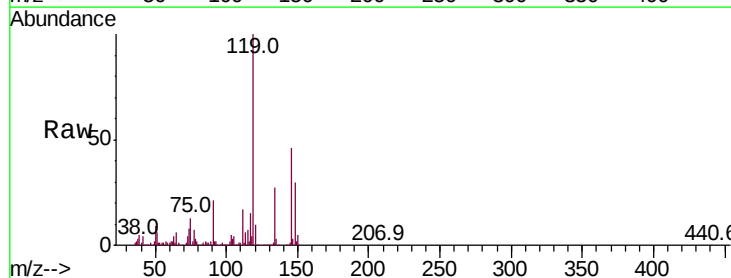
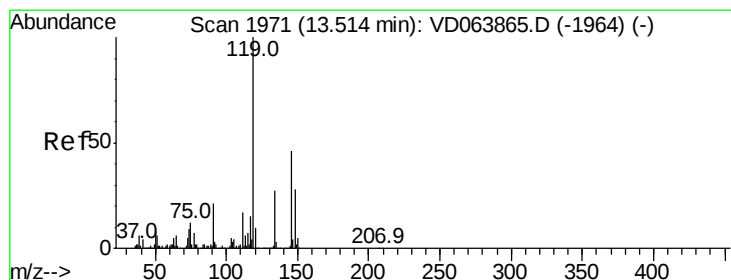
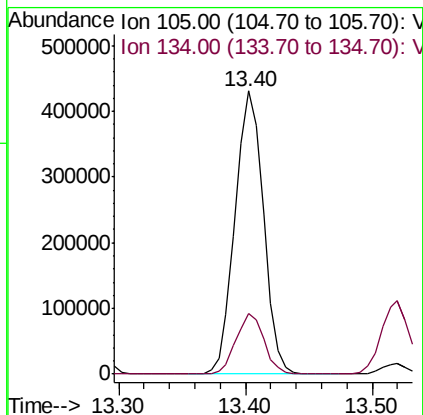
VSTDCCC050

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#86

p-Isopropyltoluene

Concen: 57.335 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

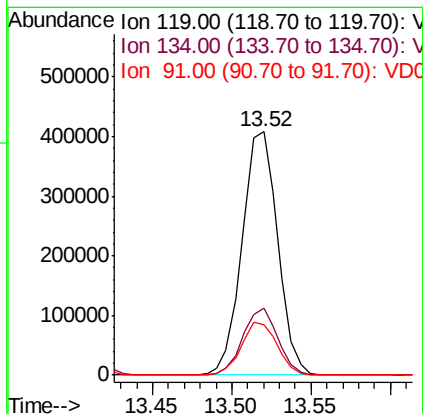
Tgt Ion:119 Resp: 636874

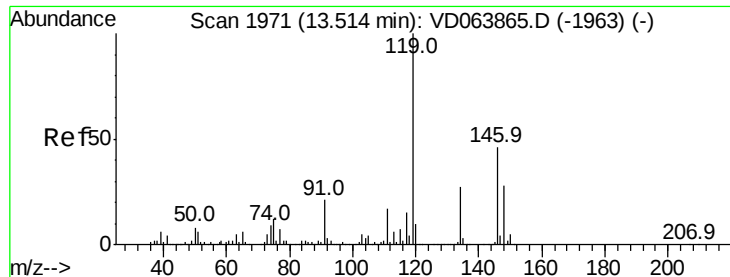
Ion Ratio Lower Upper

119 100

134 27.0 13.9 41.6

91 22.0 11.2 33.5





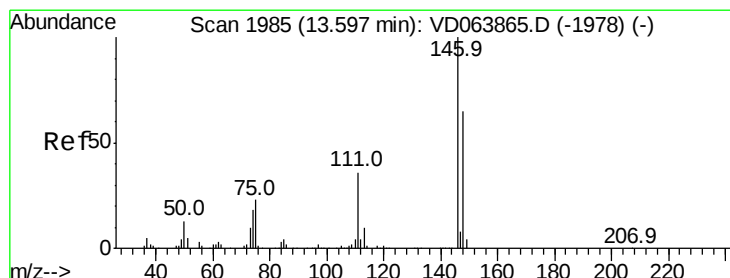
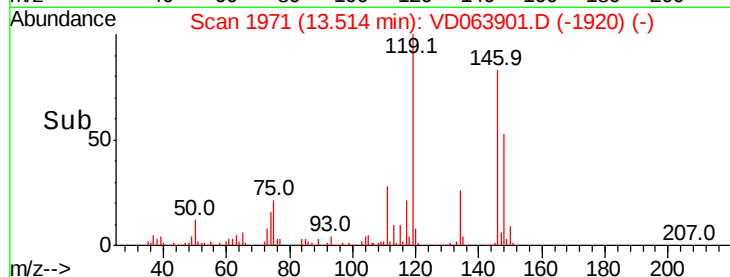
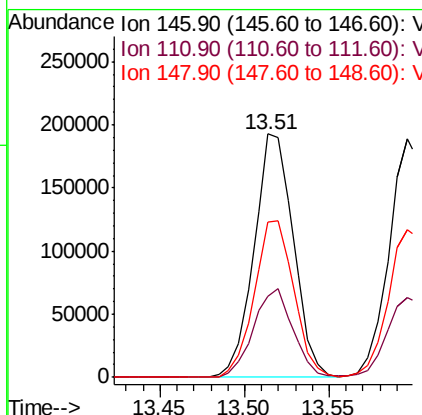
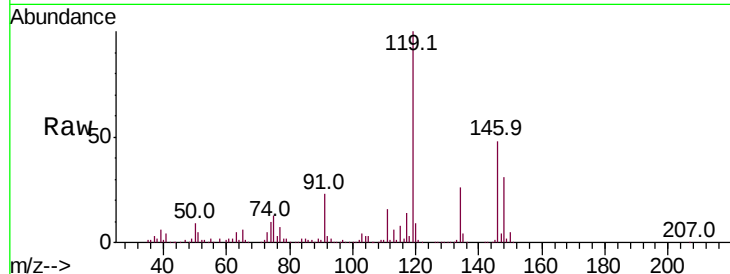
#87
 1,3-Dichlorobenzene
 Concen: 54.117 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	311886		
111	36.6	18.3	54.9	
148	64.8	31.8	95.4	

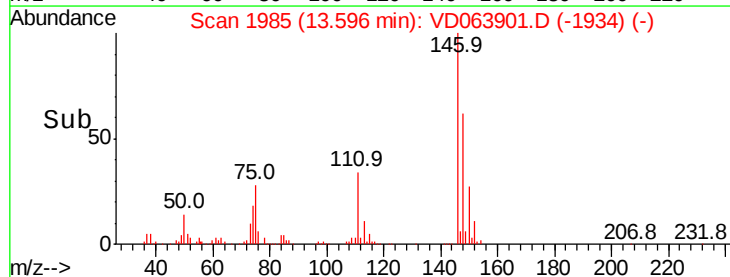
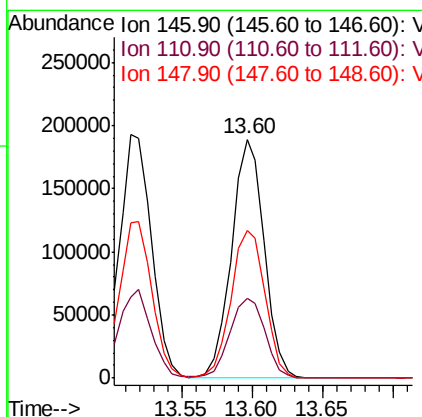
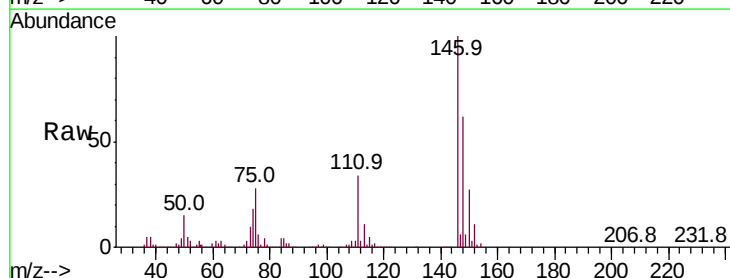
Manual Integrations
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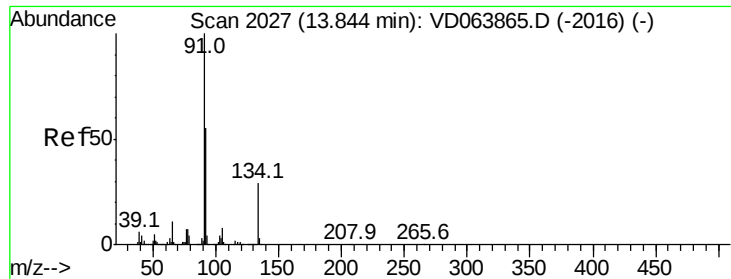
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#88
 1,4-Dichlorobenzene
 Concen: 53.685 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	305227		
111	36.0	18.6	56.0	
148	64.4	32.6	98.0	





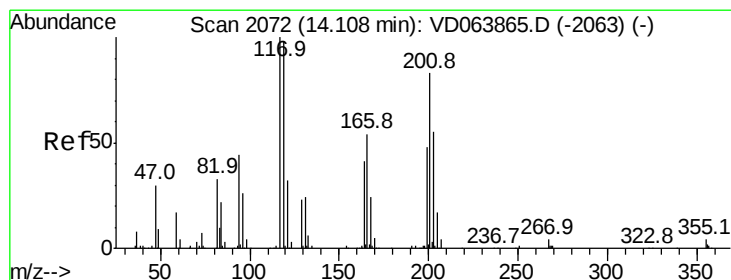
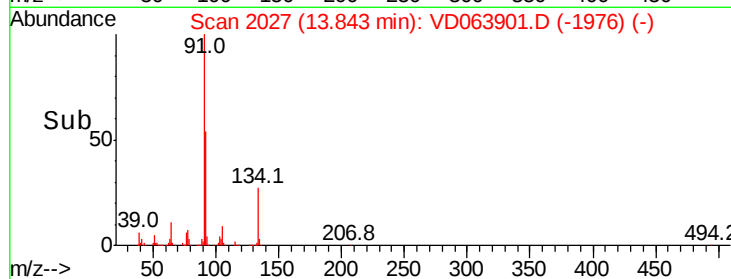
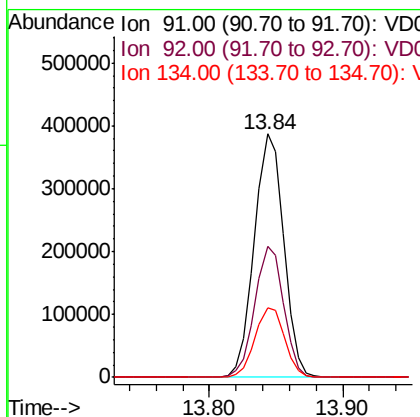
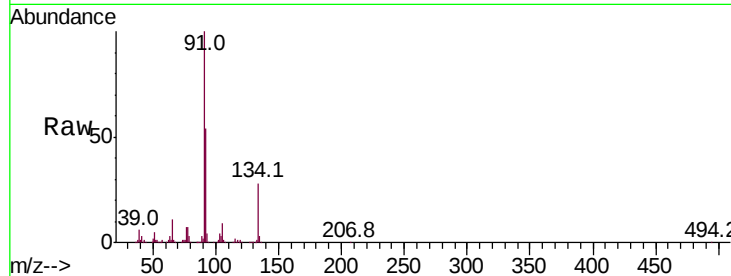
#89
n-Butylbenzene
Concen: 56.769 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.3
134	28.6	14.4	43.0

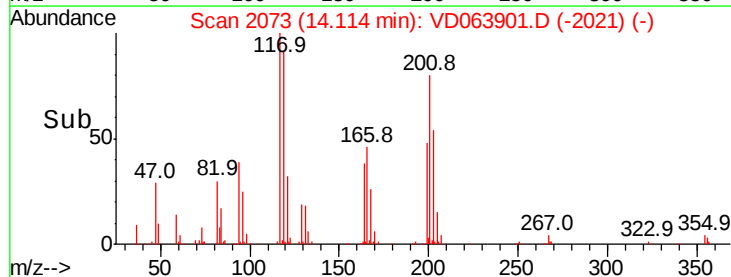
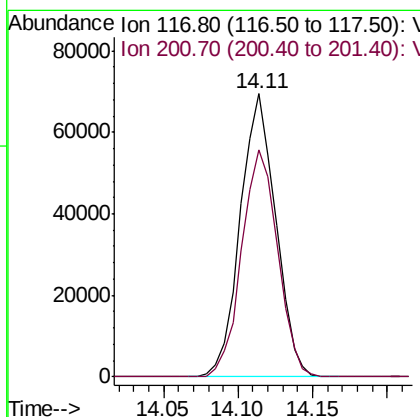
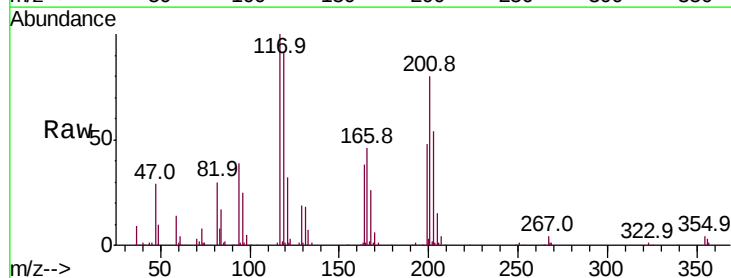
Manual Integrations
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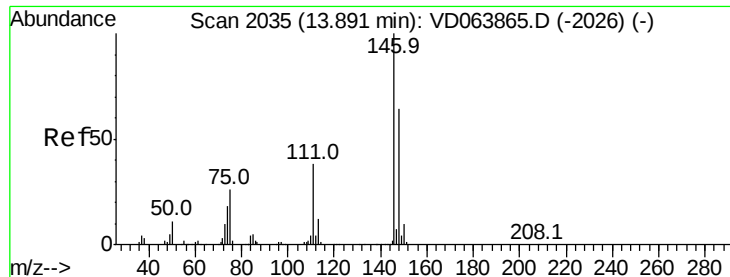
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#90
Hexachloroethane
Concen: 57.189 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063901.D
Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 53.845 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

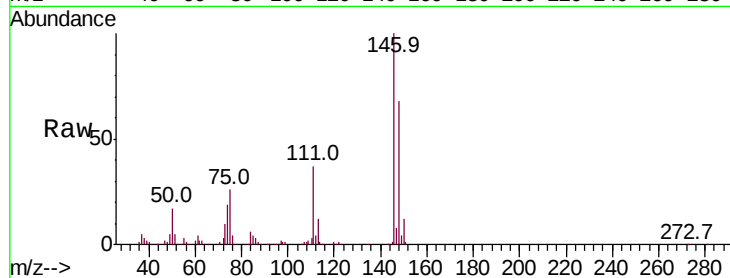
ClientSampleId :

VSTDCCC050

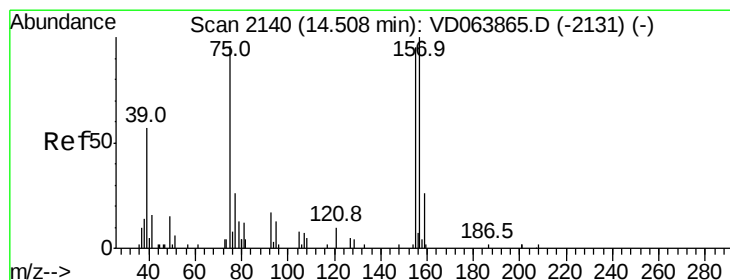
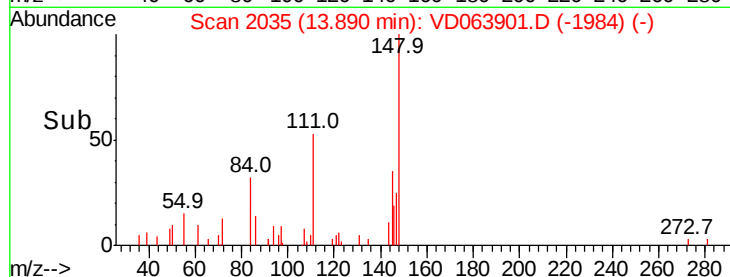
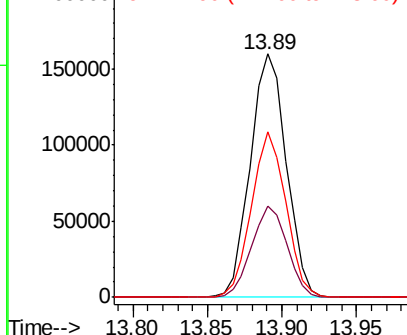
Tot Ion:	146	Resp:	267424
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.6	55.6
148	64.7	31.6	95.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.947 ug/l

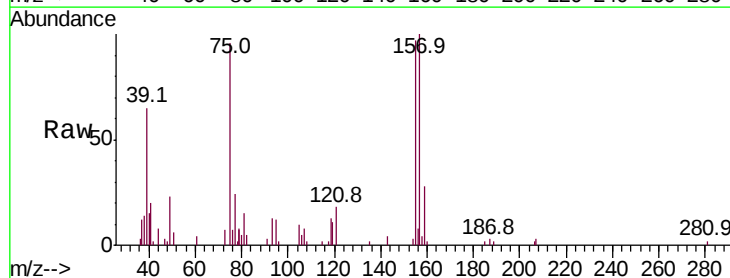
RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

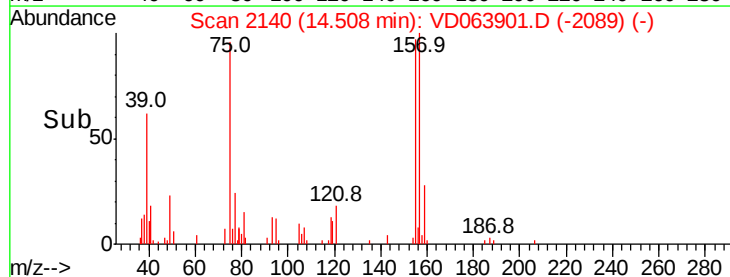
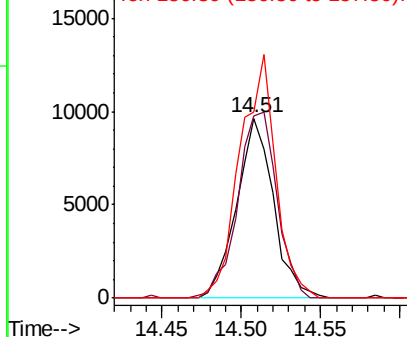
Lab File: VD063901.D

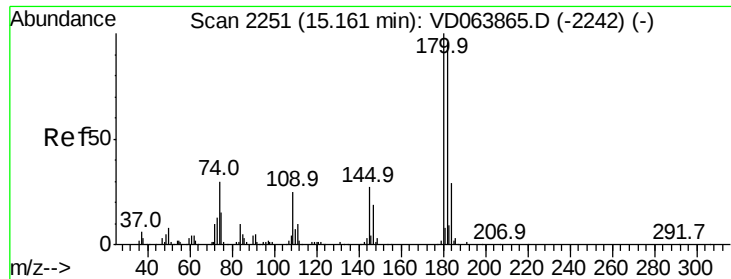
Acq: 10 Oct 2019 10:44

Tgt Ion:	75	Resp:	15509
Ion Ratio	Lower	Upper	
75	100		
155	110.5	43.9	131.6
157	131.7	56.0	167.9



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





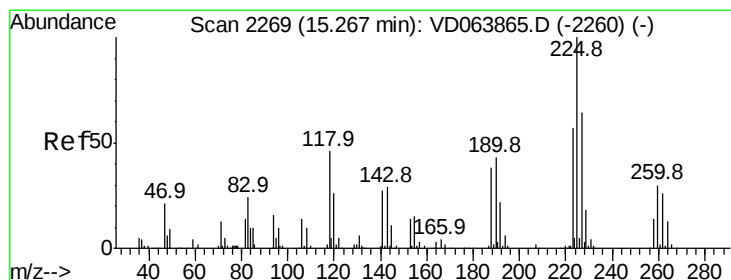
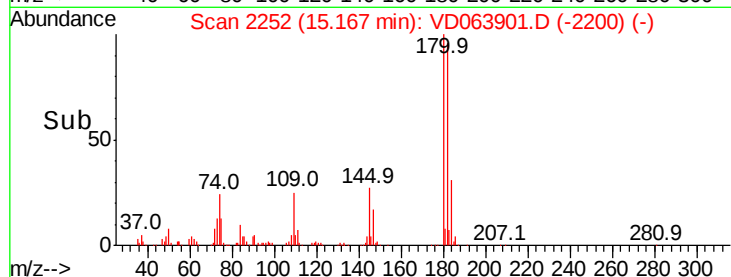
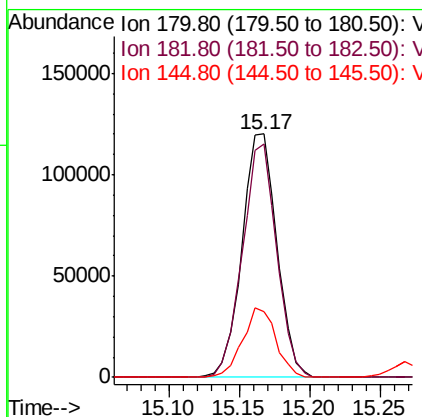
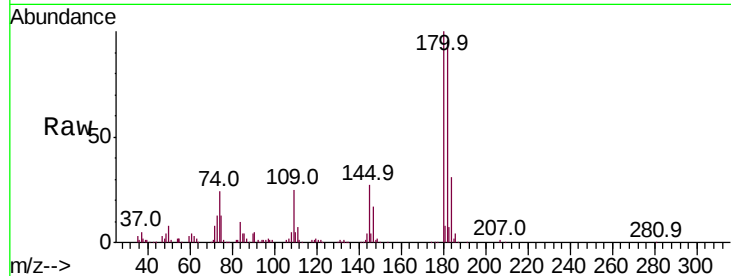
#93
 1,2,4-Trichlorobenzene
 Concen: 54.306 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	47.4	142.3	
145	27.2	13.9	41.7	

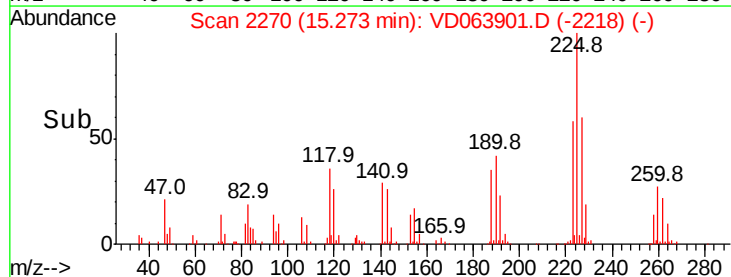
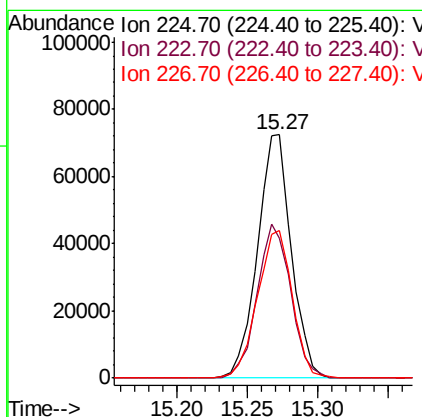
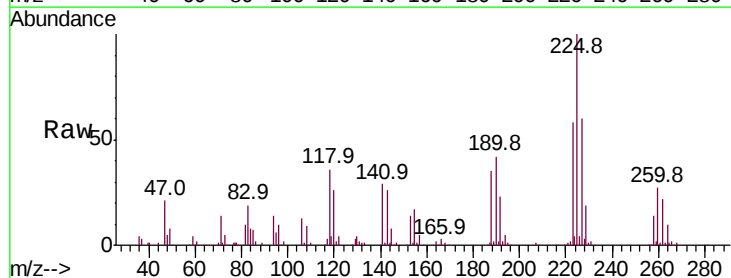
Manual Integrations
 APPROVED

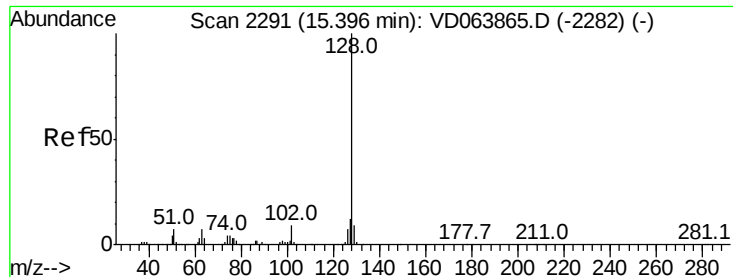
MMDadoda
 10/11/2019 10:23:55 AM



#94
 Hexachlorobutadiene
 Concen: 57.792 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063901.D
 Acq: 10 Oct 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	29.5	88.6	
227	62.2	30.8	92.4	





#95

Naphthalene

Concen: 53.030 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Instrument :

MSVOA_D

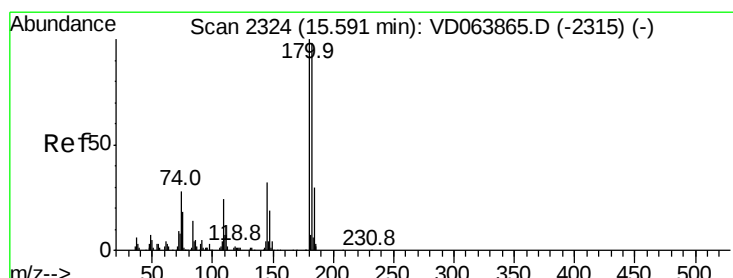
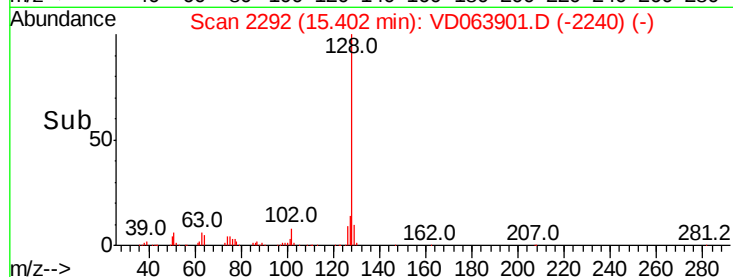
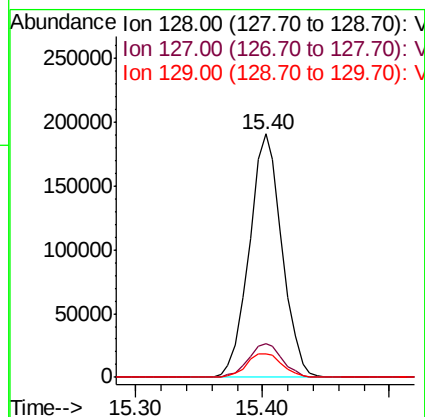
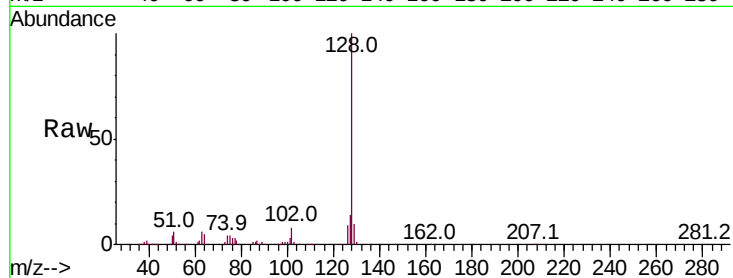
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	341570
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.6	16.0
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/11/2019 10:23:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.327 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063901.D

Acq: 10 Oct 2019 10:44

Tgt Ion:	180	Resp:	179628
Ion Ratio	Lower	Upper	
180	100		
182	91.8	47.0	141.0
145	29.4	15.3	45.9

