

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063899.D
 Acq On : 07 Oct 2019 15:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:46:19 PM

Quant Time: Oct 08 17:37:58 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	213527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	335114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	331988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	101846	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
35) Dibromofluoromethane	7.91	113	104287	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.34	98	428633	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.63	95	141853	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71559	47.256	ug/l	98
3) Chloromethane	2.21	50	227093	56.049	ug/l	98
4) Vinyl Chloride	2.35	62	256425	52.394	ug/l	98
5) Bromomethane	2.77	94	148037	47.049	ug/l	91
6) Chloroethane	2.92	64	163043	50.373	ug/l	93
7) Trichlorofluoromethane	3.27	101	338339	52.287	ug/l	100
8) Diethyl Ether	3.70	74	53556	51.565	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93642	52.279	ug/l	99
10) Methyl Iodide	4.29	142	129742	52.567	ug/l	99
11) Tert butyl alcohol	5.23	59	39139	271.701	ug/l	95
12) 1,1-Dichloroethene	4.06	96	94169	52.622	ug/l	92
13) Acrolein	3.91	56	52466	282.577	ug/l	97
14) Allyl chloride	4.70	41	151558	50.940	ug/l	98
15) Acrylonitrile	5.42	53	122770	268.109	ug/l	99
16) Acetone	4.16	43	145511	268.849	ug/l	95
17) Carbon Disulfide	4.40	76	324642	49.906	ug/l #	93
18) Methyl Acetate	4.72	43	54778	51.746	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	247441	53.397	ug/l	98
20) Methylene Chloride	4.96	84	137293	57.628	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	117634	52.804	ug/l	97
22) Diisopropyl ether	6.37	45	323064	53.168	ug/l	98
23) Vinyl Acetate	6.31	43	981039	271.400	ug/l	98
24) 1,1-Dichloroethane	6.26	63	199819	53.388	ug/l	95
25) 2-Butanone	7.22	43	175321	273.331	ug/l	94
26) 2,2-Dichloropropane	7.20	77	181916	53.731	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	134765	53.446	ug/l	99
28) Bromochloromethane	7.54	49	69840	49.115	ug/l	99
29) Tetrahydrofuran	7.57	42	95266	254.458	ug/l	99
30) Chloroform	7.71	83	209148	51.450	ug/l	95
31) Cyclohexane	7.98	56	176144	57.523	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	191449	54.902	ug/l	98
36) 1,1-Dichloropropene	8.11	75	165144	53.898	ug/l	99
37) Ethyl Acetate	7.30	43	67338	55.224	ug/l	100
38) Carbon Tetrachloride	8.09	117	171208	55.294	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	207136	54.981	ug/l	93
40) Benzene	8.35	78	476840	54.306	ug/l	97
41) Methacrylonitrile	7.53	41	33738	47.493	ug/l	93
42) 1,2-Dichloroethane	8.43	62	137468	54.123	ug/l	99
43) Isopropyl Acetate	8.46	43	133173	51.826	ug/l	100
44) Trichloroethene	9.11	130	137373	54.255	ug/l	100
45) 1,2-Dichloropropane	9.38	63	116318	54.122	ug/l	96
46) Dibromomethane	9.48	93	66295	54.163	ug/l	98
47) Bromodichloromethane	9.66	83	171836	54.528	ug/l	100
48) Methyl methacrylate	9.46	41	58136	47.220	ug/l	97
49) 1,4-Dioxane	9.46	88	17505	1047.742	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	352483	264.497	ug/l	99
52) Toluene	10.40	92	330017	54.750	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	169618	55.158	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	193153	54.567	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	96431	55.798	ug/l	90
56) Ethyl methacrylate	10.66	69	120048	54.853	ug/l	99
57) 1,3-Dichloropropane	10.94	76	159665	53.997	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	205571	218.526	ug/l	99
59) 2-Hexanone	10.98	43	262641	272.448	ug/l	99
60) Dibromochloromethane	11.14	129	123149	54.734	ug/l	98
61) 1,2-Dibromoethane	11.24	107	92146	54.998	ug/l	97
64) Tetrachloroethene	10.87	164	121447	53.586	ug/l	96
65) Chlorobenzene	11.67	112	370049	55.503	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	132680	54.007	ug/l	99
67) Ethyl Benzene	11.74	91	662072	55.071	ug/l	94
68) m/p-Xylenes	11.86	106	521383	112.359	ug/l	98
69) o-Xylene	12.18	106	244792	55.092	ug/l	96
70) Styrene	12.19	104	418665	55.659	ug/l	99
71) Bromoform	12.36	173	76398	57.945	ug/l #	96
73) Isopropylbenzene	12.48	105	657128	54.075	ug/l	99
74) N-amyl acetate	12.29	43	135042	51.614	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	110192	52.109	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	64677m	53.419	ug/l	
77) Bromobenzene	12.76	156	164124	54.208	ug/l	96
78) n-propylbenzene	12.82	91	782171	54.835	ug/l	99
79) 2-Chlorotoluene	12.91	91	419387	53.322	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	559059	55.143	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	36265	53.004	ug/l	97
82) 4-Chlorotoluene	13.00	91	443572	53.164	ug/l	100
83) tert-Butylbenzene	13.22	119	502256	55.665	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	573240	54.846	ug/l	100
85) sec-Butylbenzene	13.40	105	677419	55.594	ug/l	99
86) p-Isopropyltoluene	13.51	119	656059	56.898	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	330880	55.310	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	322791	54.694	ug/l	99
89) n-Butylbenzene	13.84	91	608307	56.677	ug/l	97
90) Hexachloroethane	14.11	117	117350	56.587	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	286052	55.485	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	18902	57.920	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	216887	54.522	ug/l	98
94) Hexachlorobutadiene	15.27	225	123062	56.060	ug/l	98
95) Naphthalene	15.40	128	379341	56.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.59	180	196173	57.157	ug/l	97

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

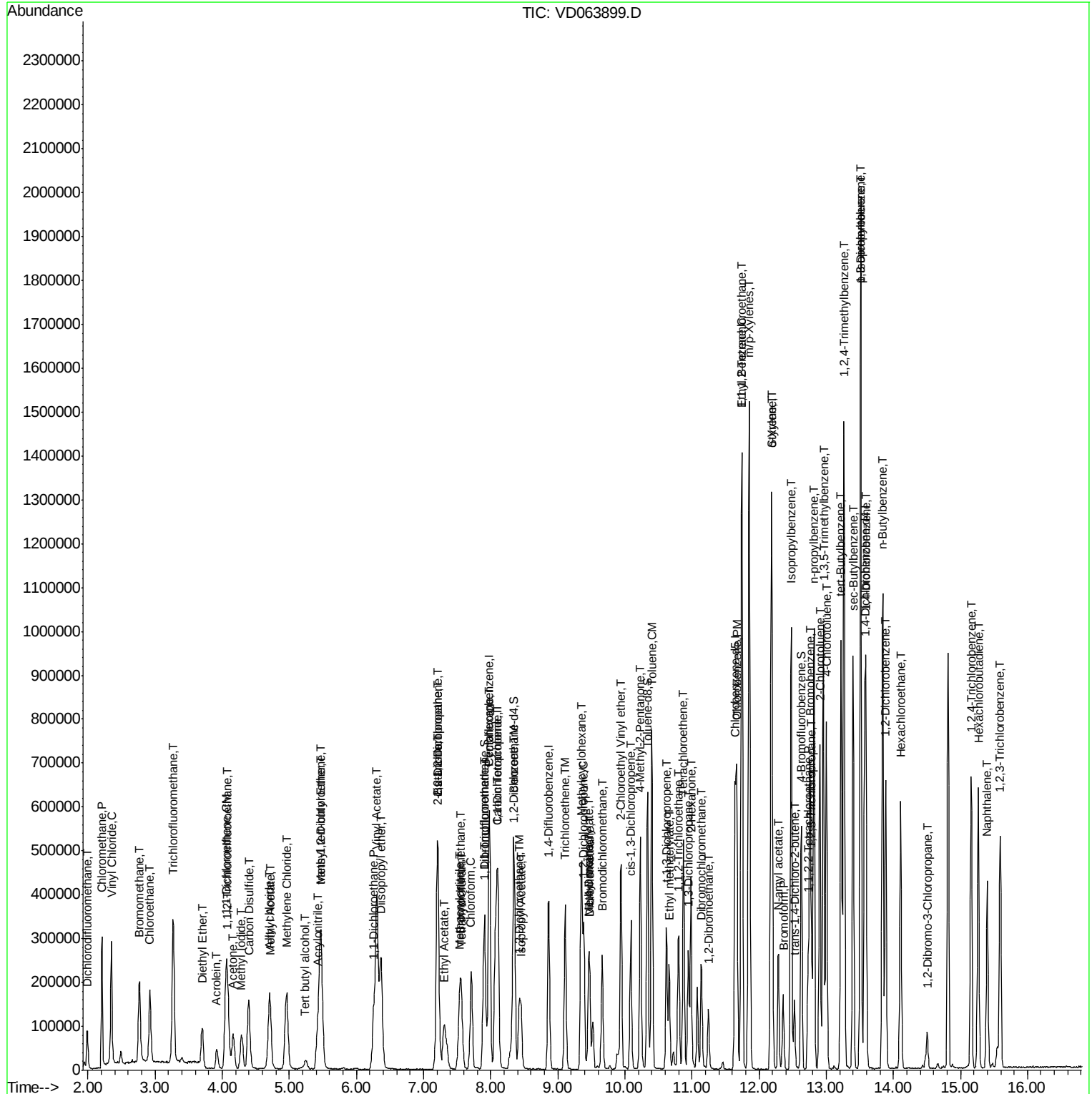
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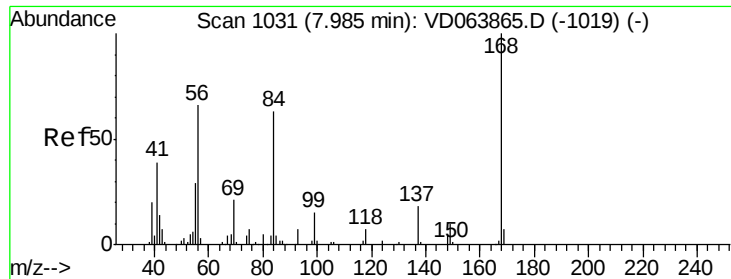
Instrument :
MSVOA_D
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 213527

Ion Ratio Lower Upper

168 100

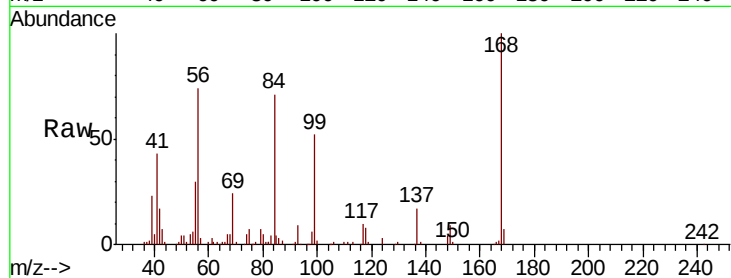
99 51.9 43.0 64.4

Manual Integrations

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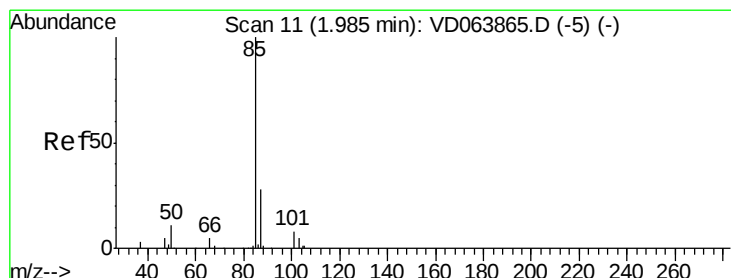
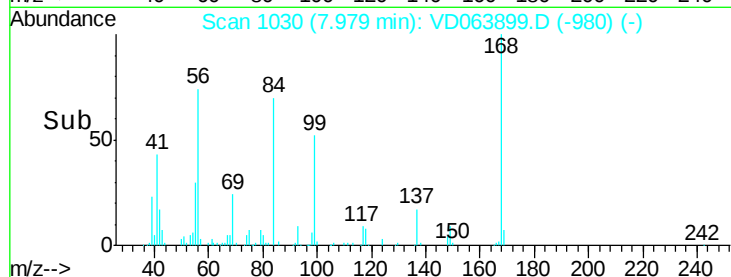
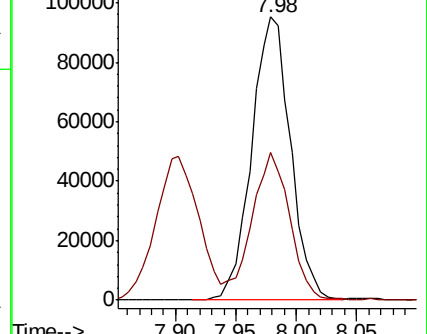
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.256 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063899.D

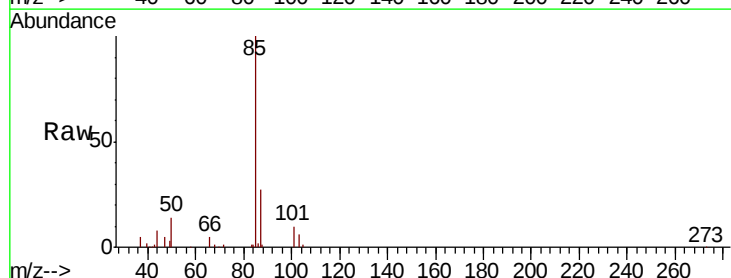
Acq: 07 Oct 2019 15:12

Tgt Ion: 85 Resp: 71559

Ion Ratio Lower Upper

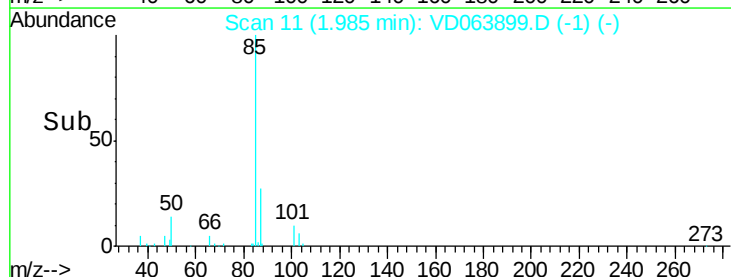
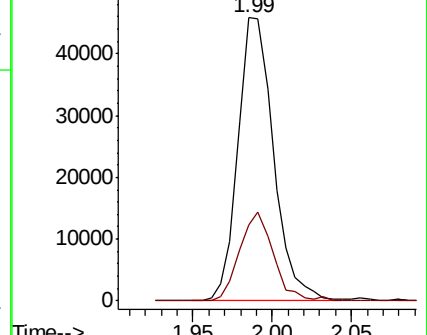
85 100

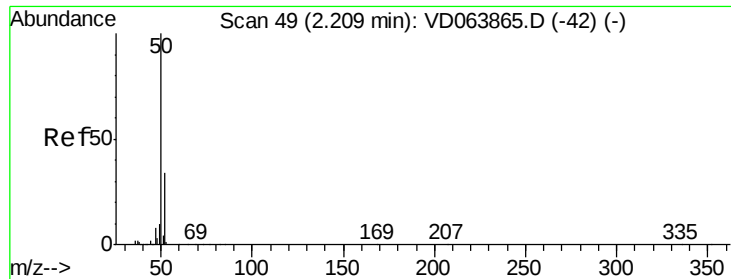
87 27.0 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 56.049 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 227093

Ion Ratio Lower Upper

50 100

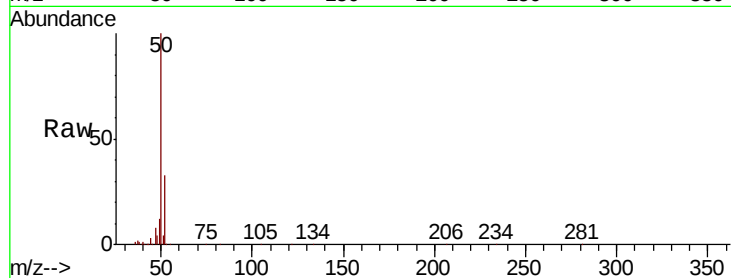
52 33.2 27.5 41.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

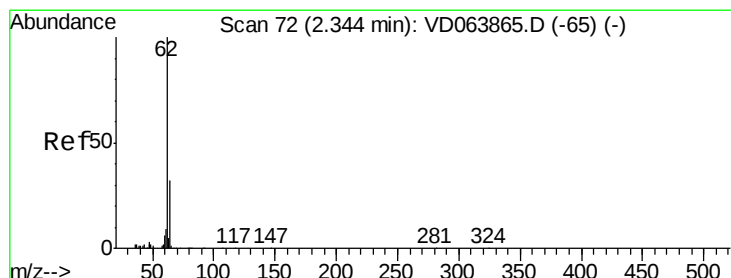
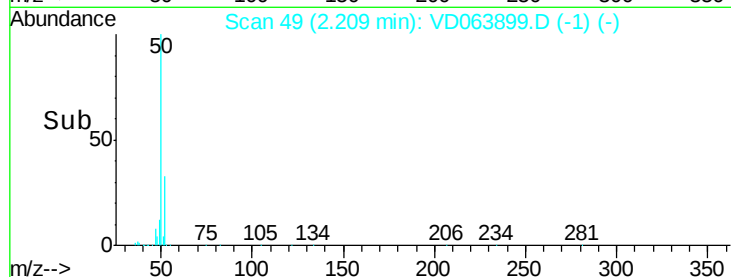
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 52.394 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063899.D

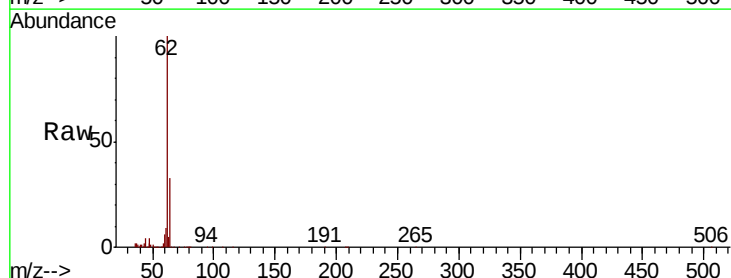
Acq: 07 Oct 2019 15:12

Tgt Ion: 62 Resp: 256425

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

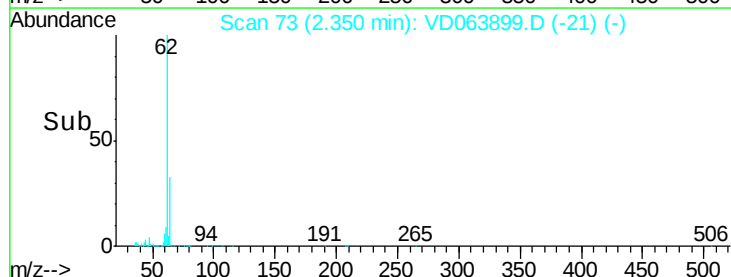
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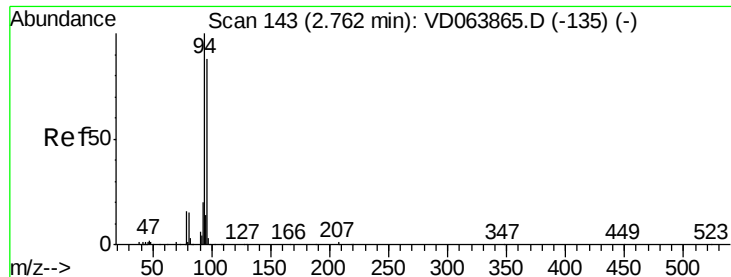
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.049 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 148037

Ion Ratio Lower Upper

94 100

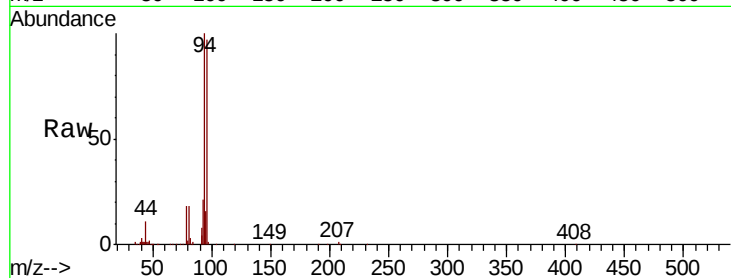
96 97.4 70.8 106.2

Manual Integrations

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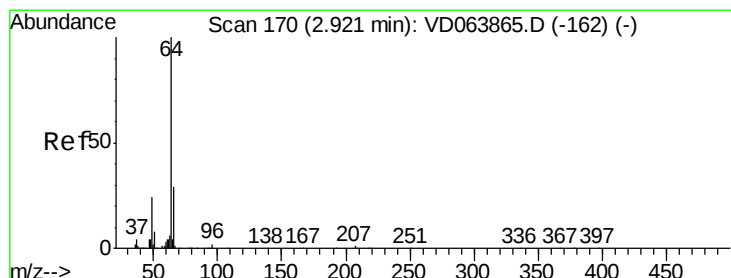
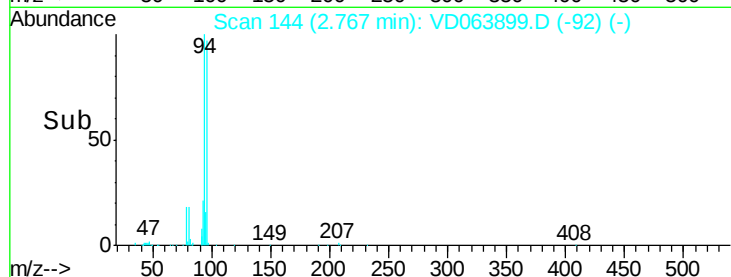
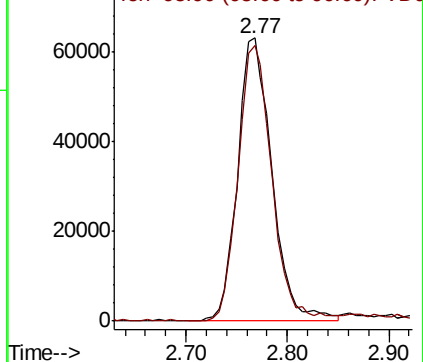
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.373 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063899.D

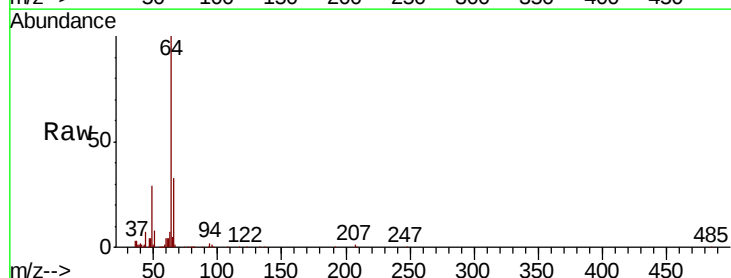
Acq: 07 Oct 2019 15:12

Tgt Ion: 64 Resp: 163043

Ion Ratio Lower Upper

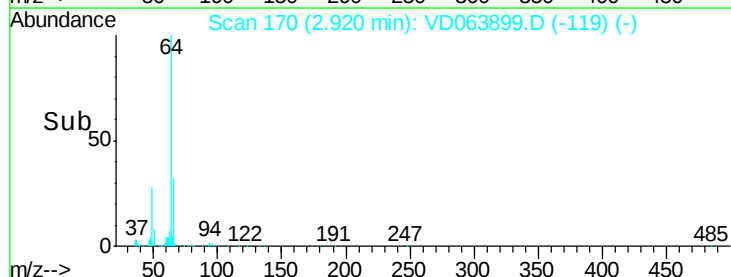
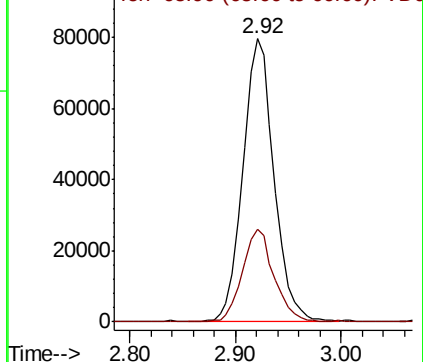
64 100

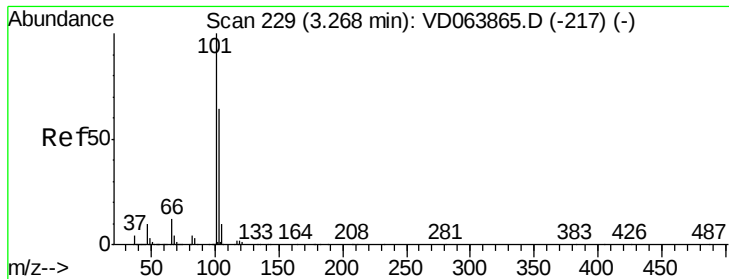
66 32.5 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

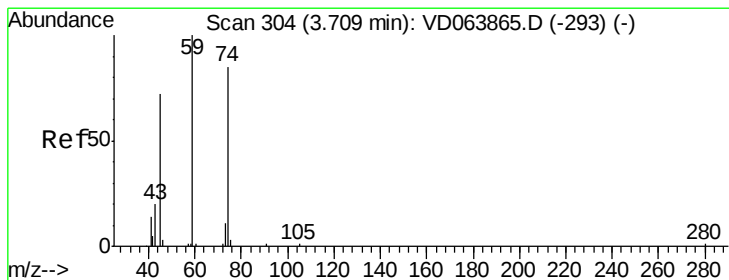
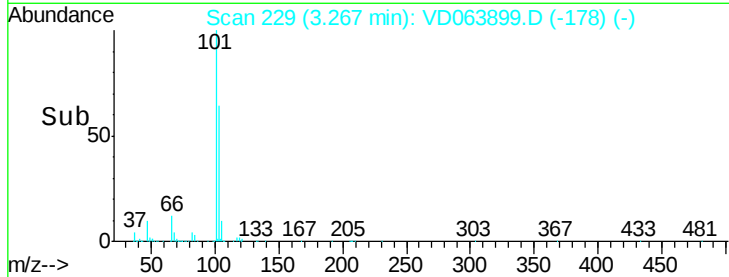
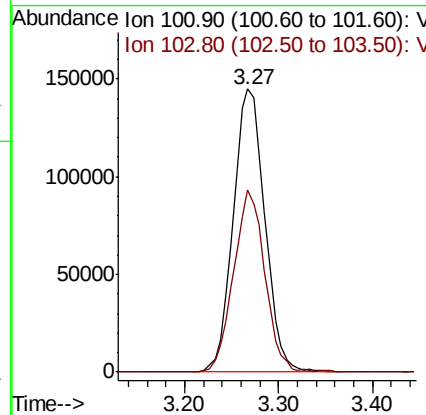
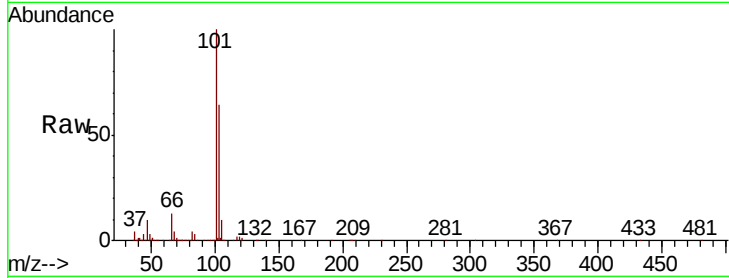
Trichlorofluoromethane
Concen: 52.287 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.1	76.7

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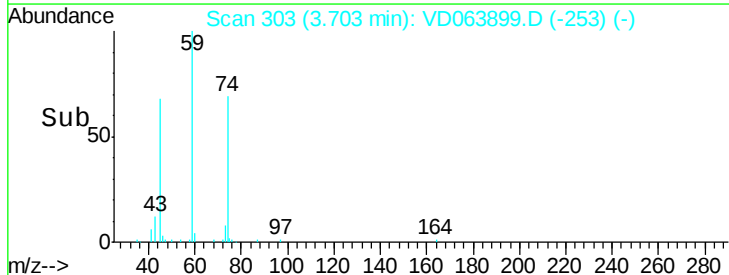
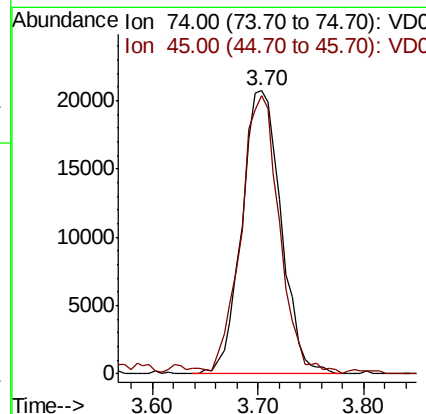
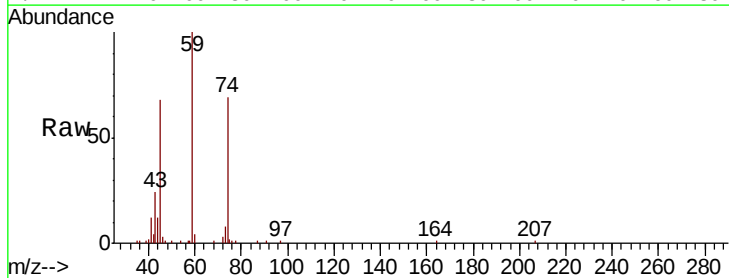
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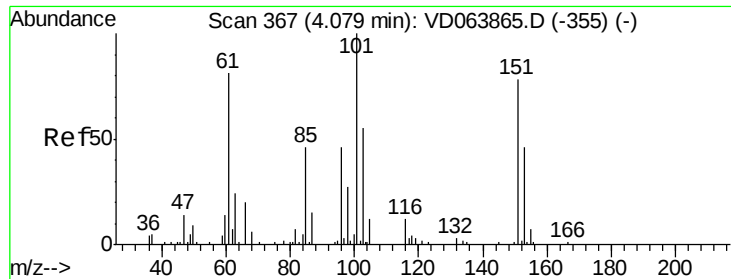


#8

Diethyl Ether
Concen: 51.565 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.279 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

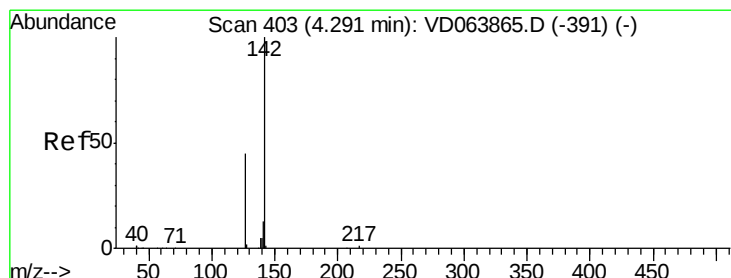
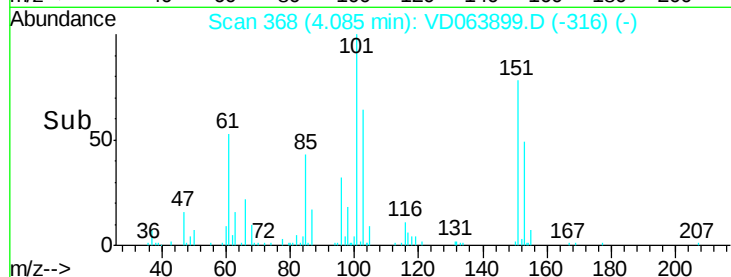
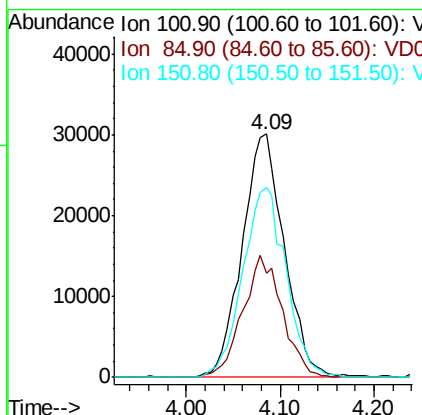
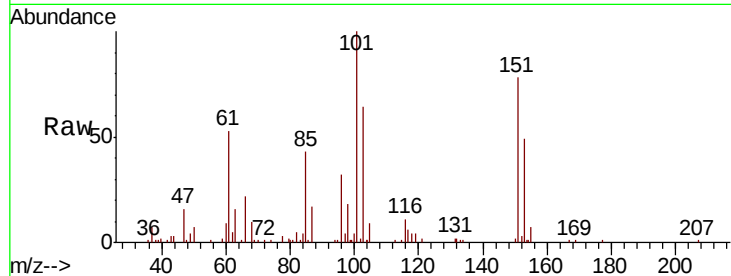
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	93642
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.5	56.3
151	79.8	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 52.567 ug/l

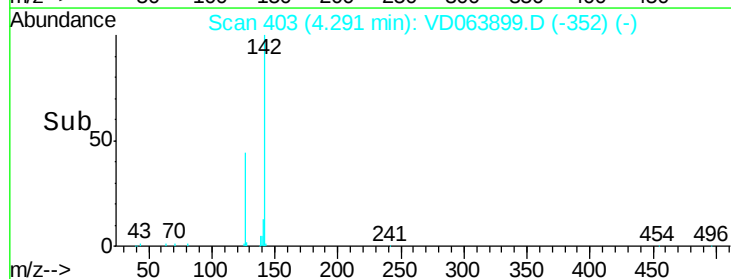
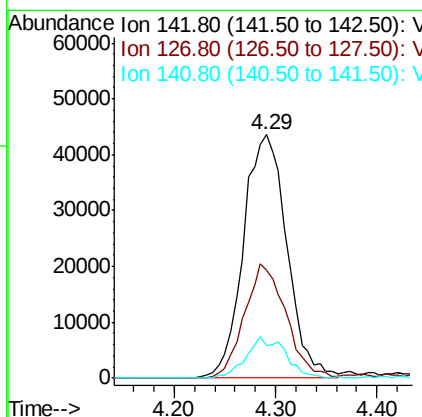
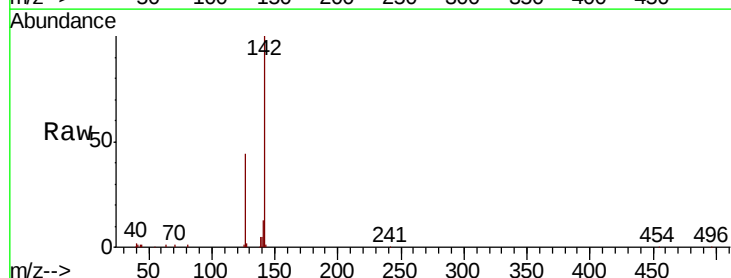
RT: 4.29 min Scan# 403

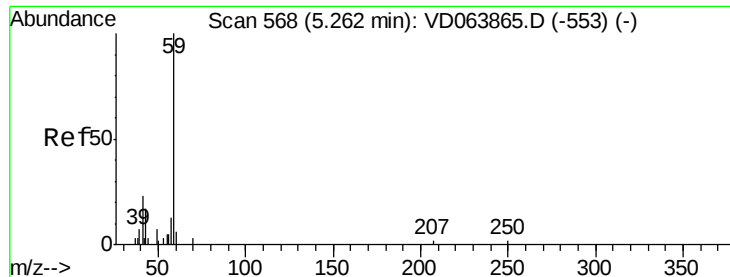
Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Tgt Ion:	142	Resp:	129742
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.3	52.9
141	15.2	12.2	18.2





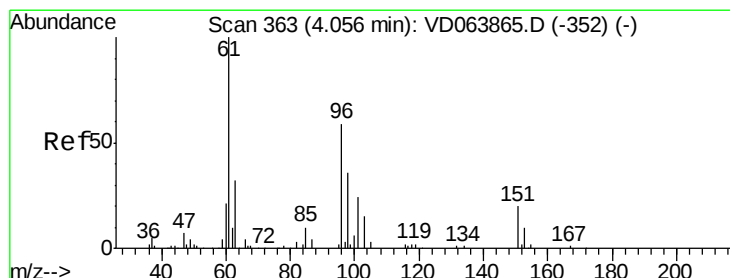
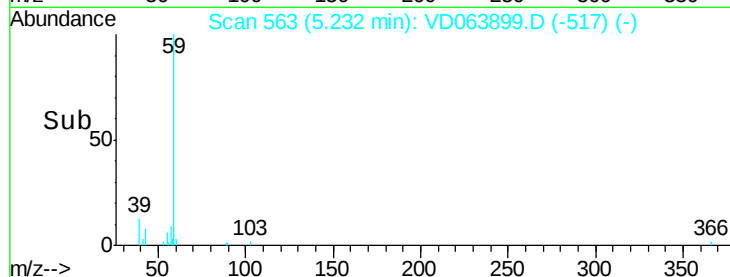
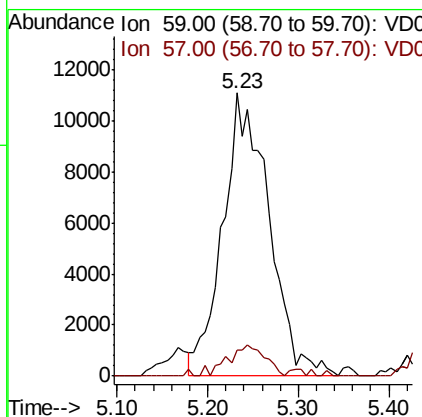
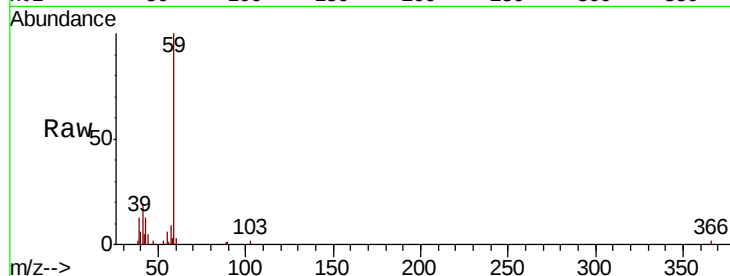
#11
Tert butyl alcohol
Concen: 271.701 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.03 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.8	13.2

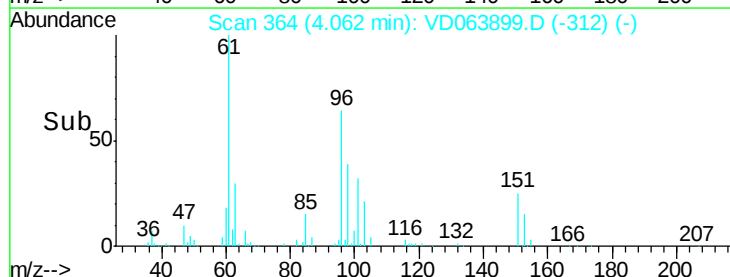
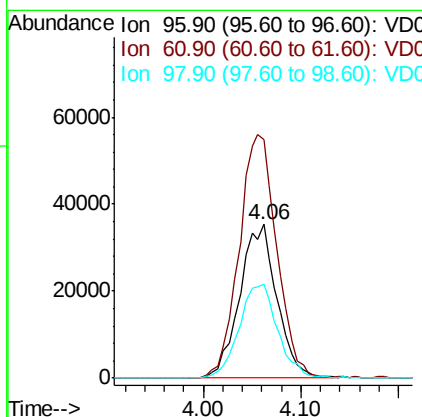
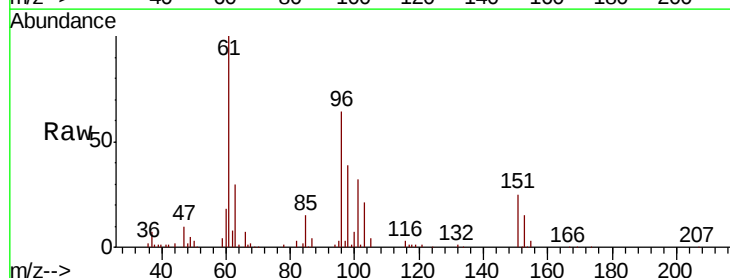
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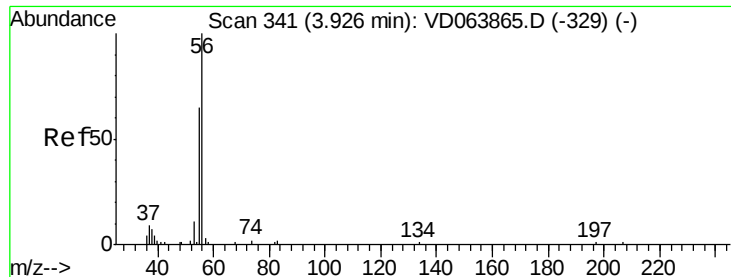
MMDadoda
10/10/2019 1:46:19 PM



#12
1,1-Dichloroethene
Concen: 52.622 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.6	135.6	203.4
98	61.0	49.2	73.8





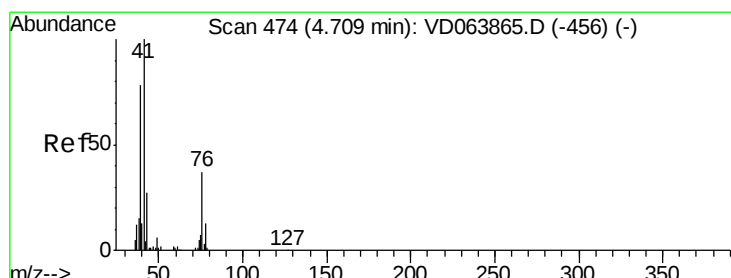
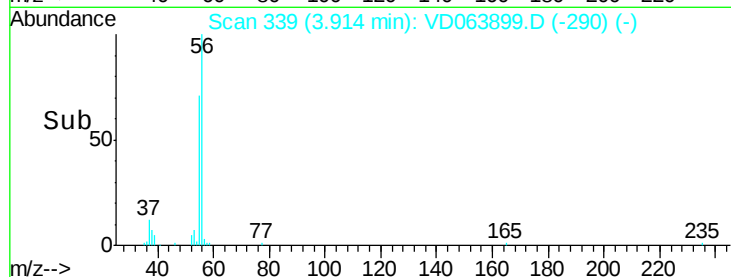
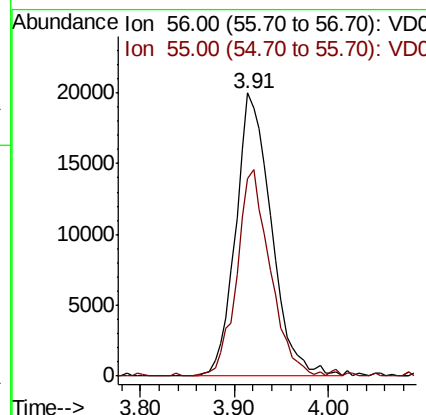
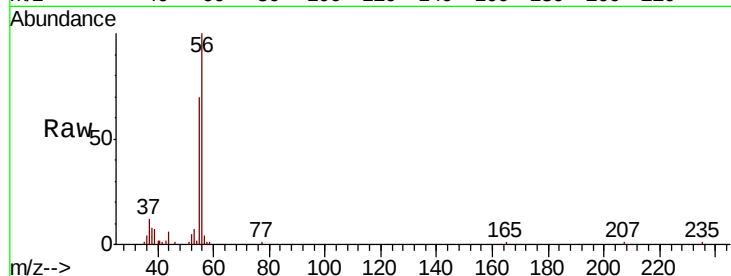
#13
Acrolein
Concen: 282.577 ug/l
RT: 3.91 min Scan# 339
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.4	53.0	79.6

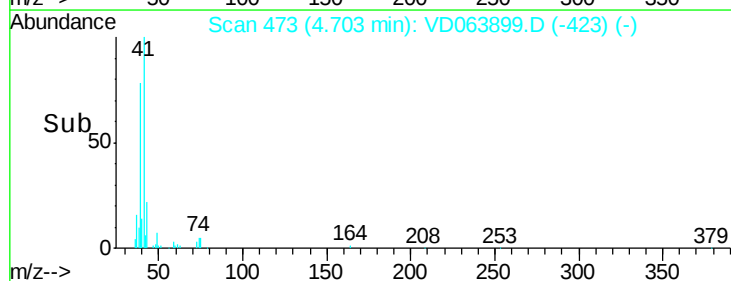
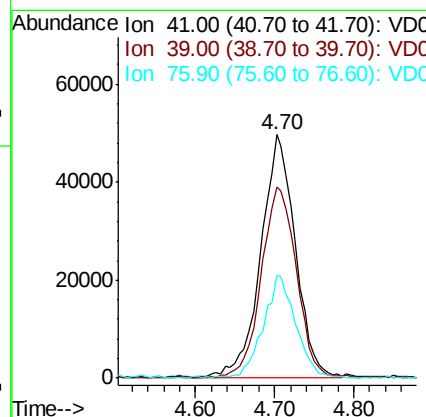
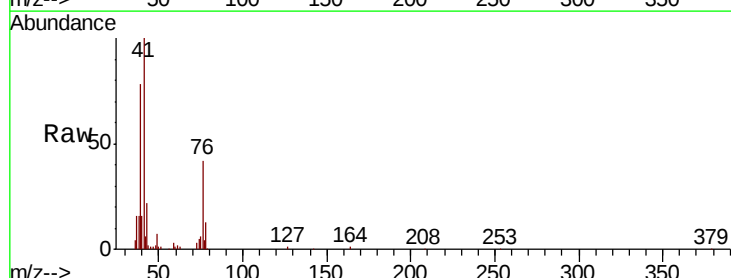
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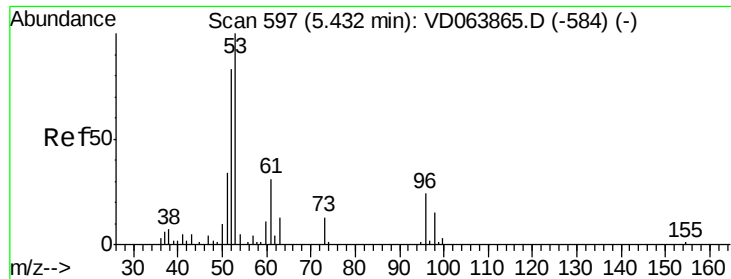
MMDadoda
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#14
Allyl chloride
Concen: 50.940 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
41	100		
39	80.0	61.8	92.6
76	39.5	31.3	46.9





#15

Acrylonitrile

Concen: 268.109 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

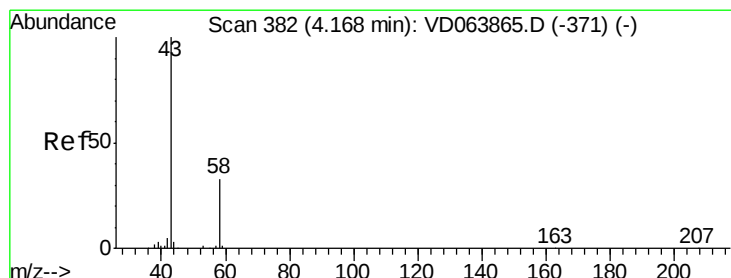
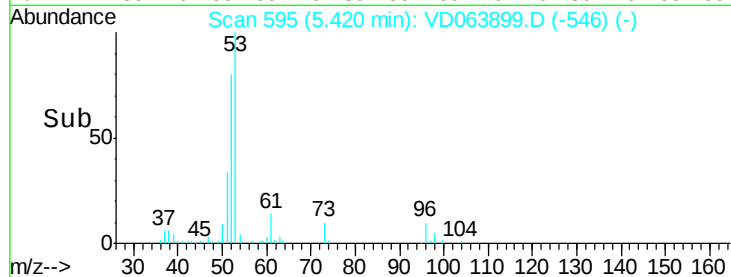
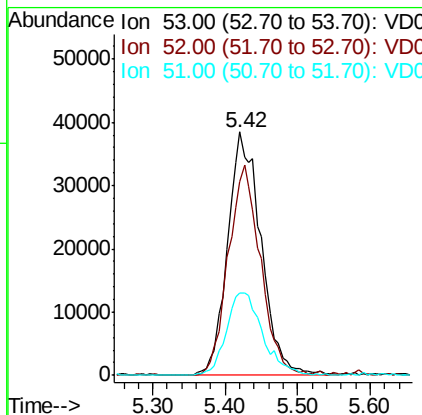
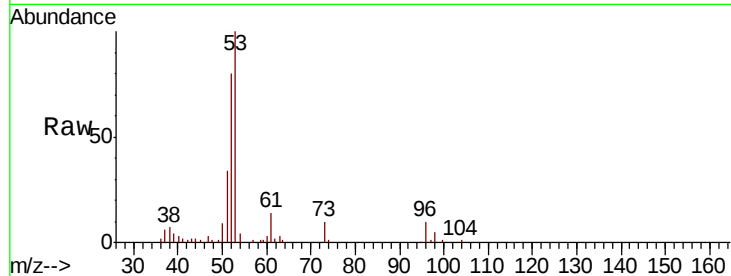
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	122770
Ion Ratio	Lower	Upper	
53	100		
52	83.7	67.3	100.9
51	36.9	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 268.849 ug/l

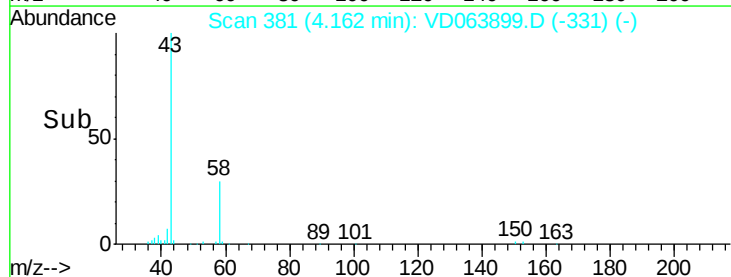
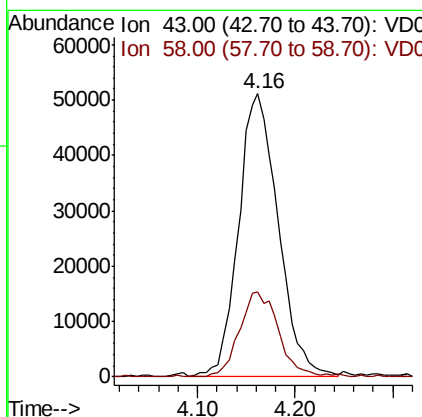
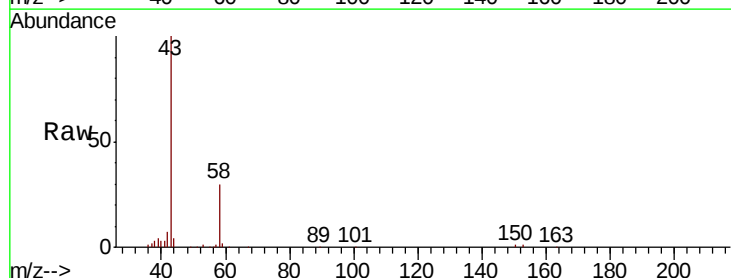
RT: 4.16 min Scan# 381

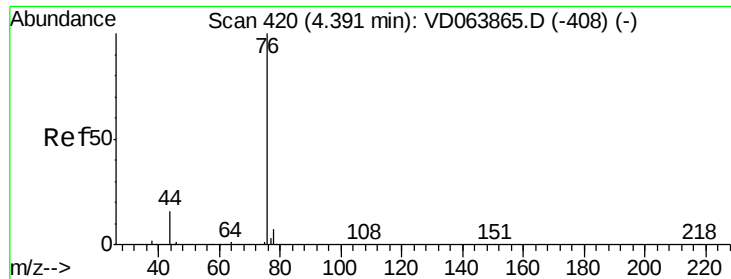
Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Tgt Ion:	43	Resp:	145511
Ion Ratio	Lower	Upper	
43	100		
58	29.8	26.2	39.4





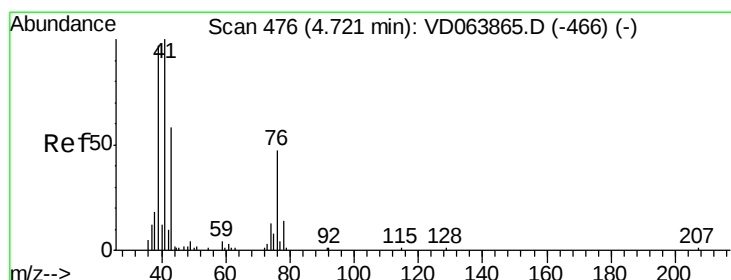
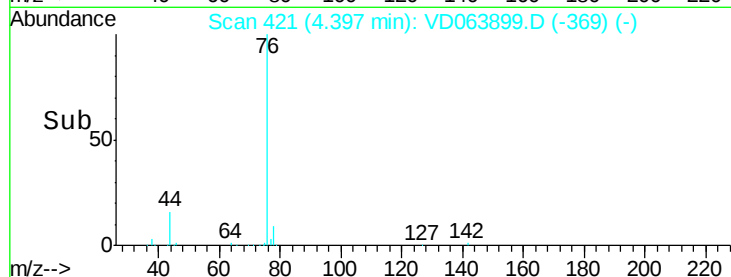
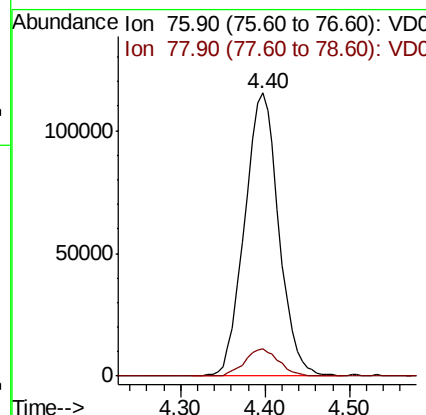
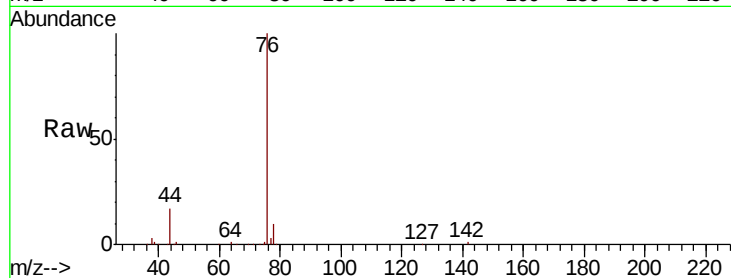
#17
Carbon Disulfide
Concen: 49.906 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

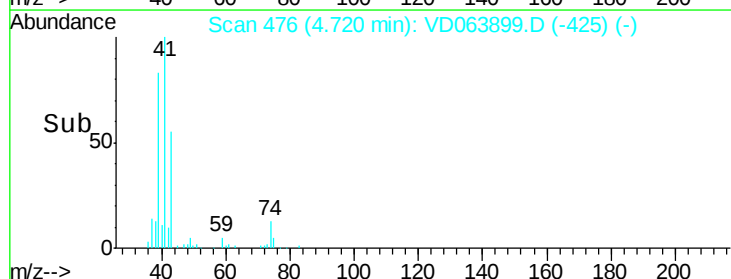
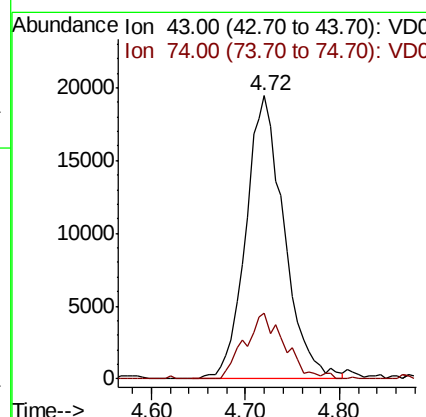
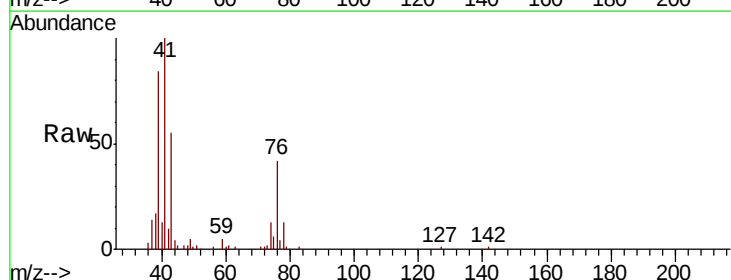
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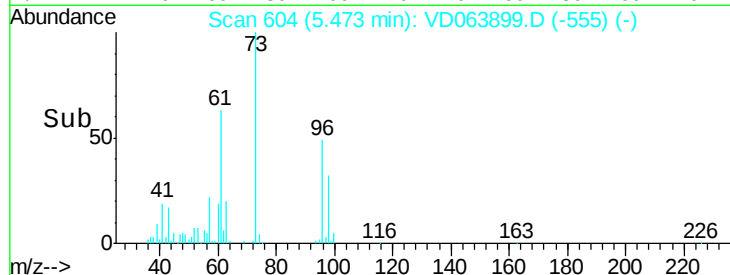
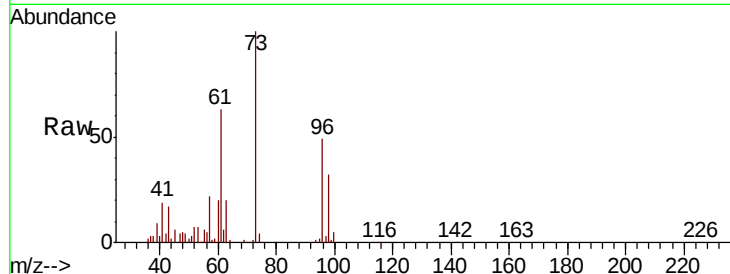
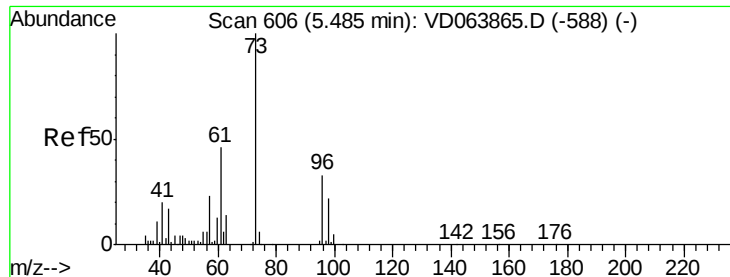
MMDadoda
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#18
Methyl Acetate
Concen: 51.746 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	20.8	31.2





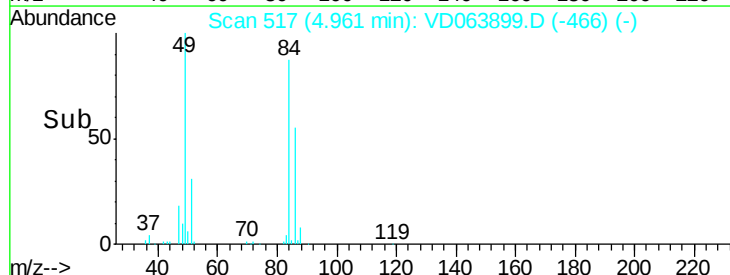
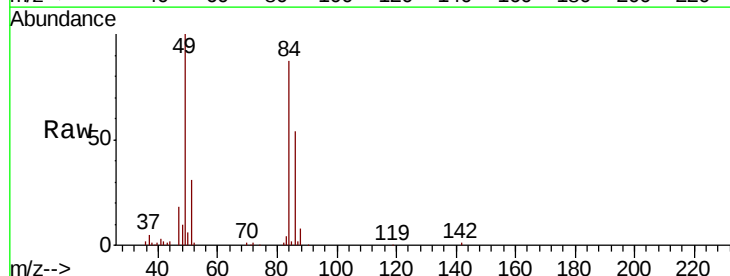
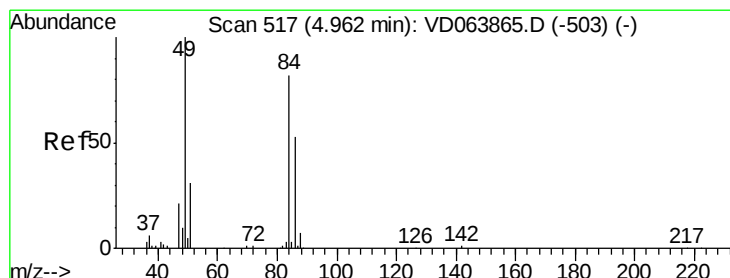
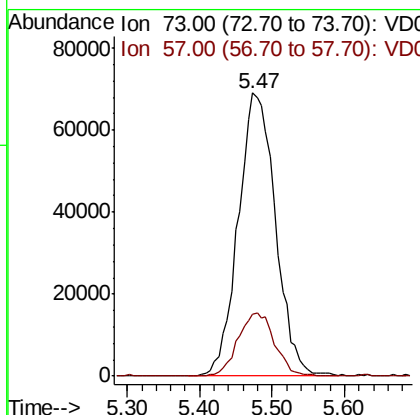
#19
Methyl tert-butyl Ether
Concen: 53.397 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tot Ion: 73 Resp: 247441
Ion Ratio Lower Upper
73 100
57 21.7 18.1 27.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

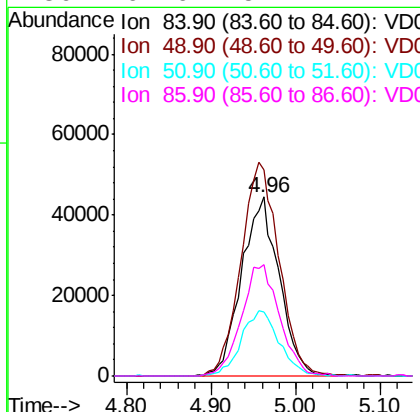
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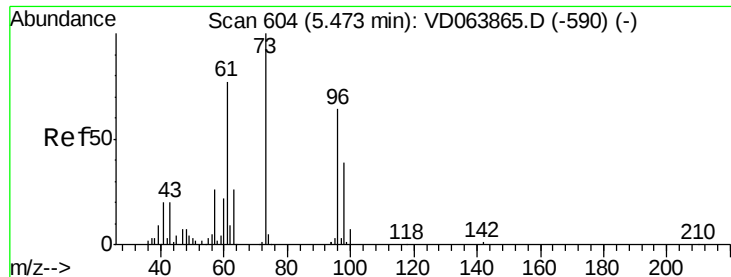
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#20
Methylene Chloride
Concen: 57.628 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion: 84 Resp: 137293
Ion Ratio Lower Upper
84 100
49 115.6 97.3 145.9
51 35.9 30.1 45.1
86 62.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 52.804 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

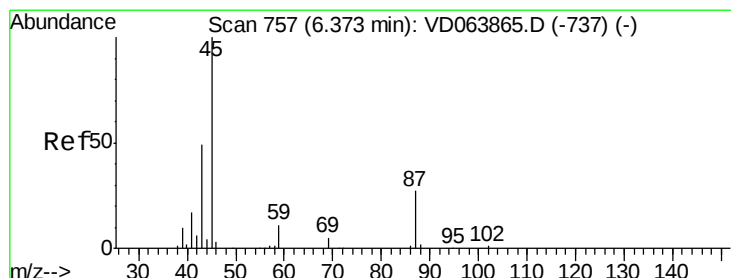
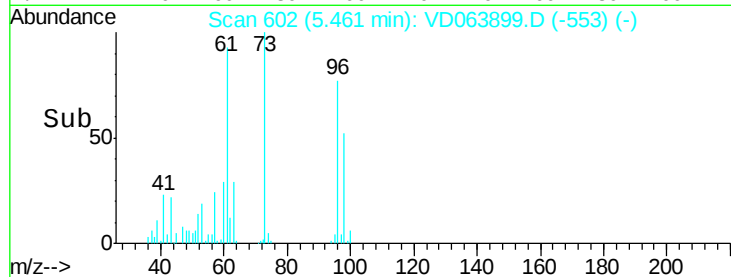
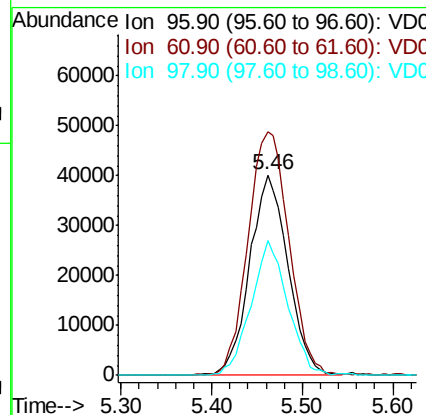
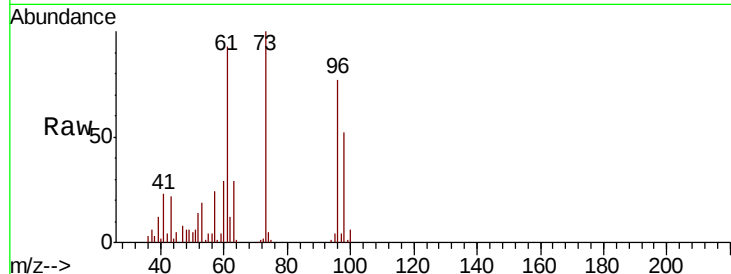
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	117634
Ion	Ratio	Lower	Upper
96	100		
61	121.3	96.6	145.0
98	67.3	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.168 ug/l

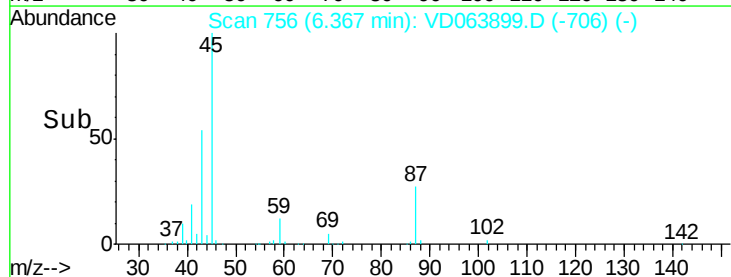
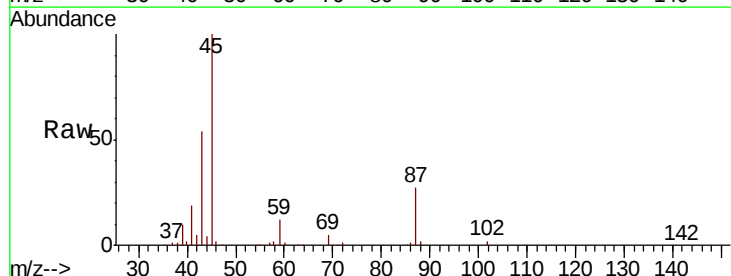
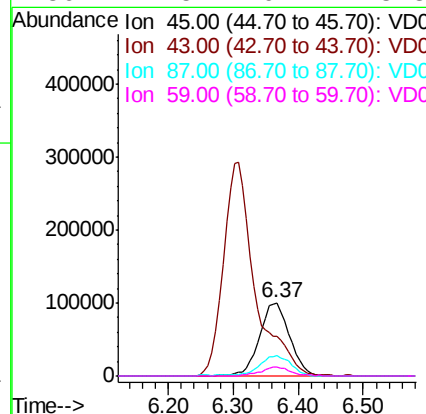
RT: 6.37 min Scan# 756

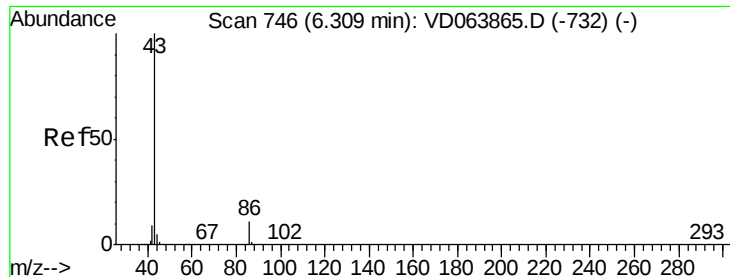
Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Tgt Ion:	45	Resp:	323064
Ion	Ratio	Lower	Upper
45	100		
43	53.4	41.2	61.8
87	27.3	22.2	33.4
59	12.5	9.2	13.8





#23

Vinyl Acetate

Concen: 271.400 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 981039

Ion Ratio Lower Upper

43 100

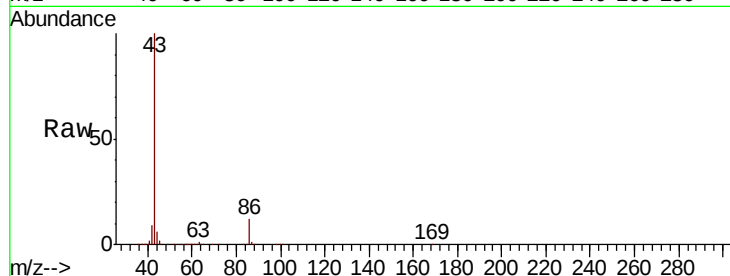
86 11.7 8.8 13.2

Manual Integrations

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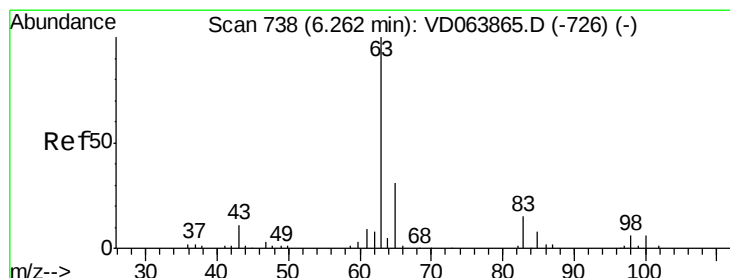
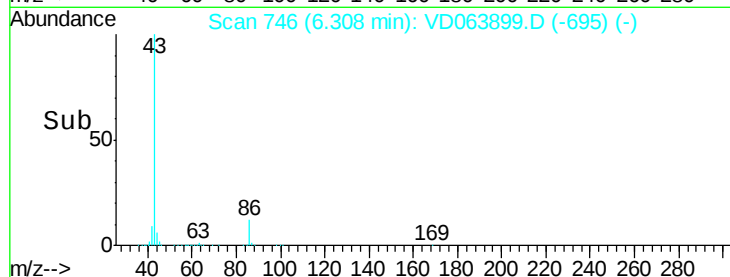
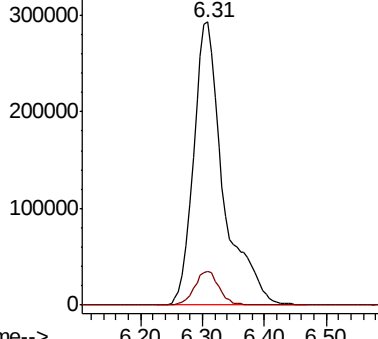
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.388 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

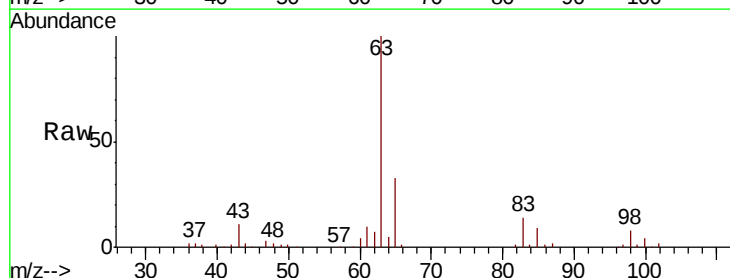
Tgt Ion: 63 Resp: 199819

Ion Ratio Lower Upper

63 100

98 7.9 3.1 9.4

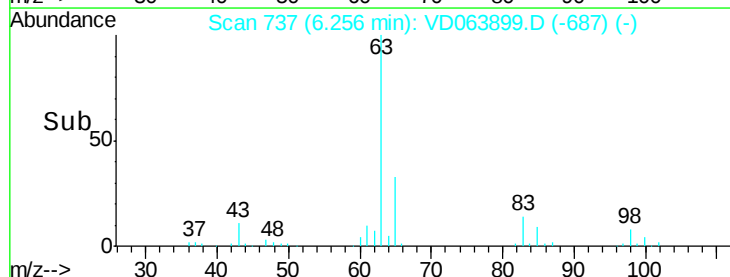
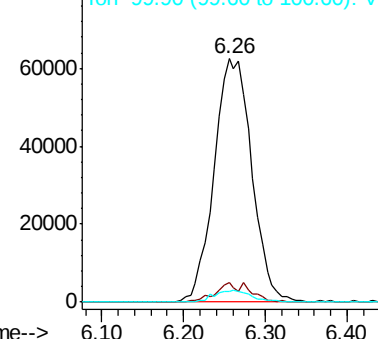
100 4.3 3.0 9.2

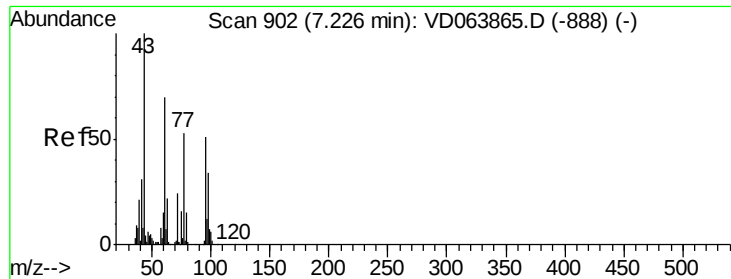


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 273.331 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 175321

Ion Ratio Lower Upper

43 100

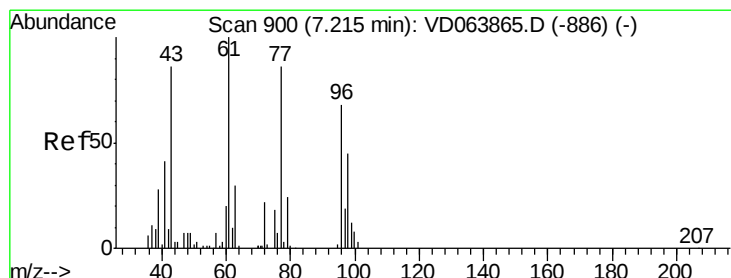
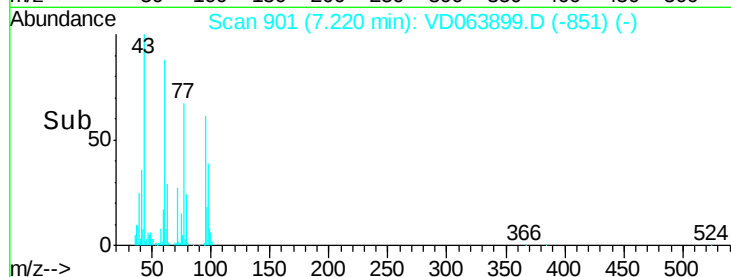
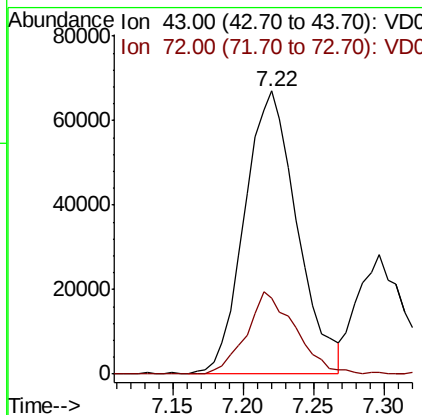
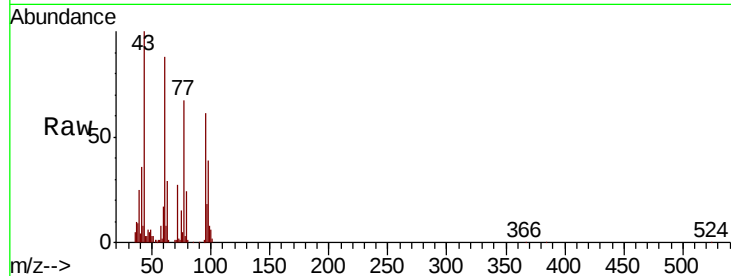
72 26.9 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.731 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063899.D

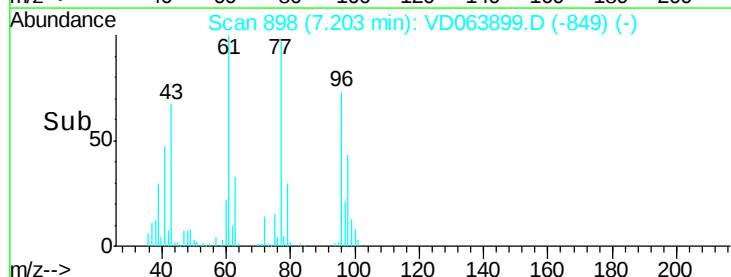
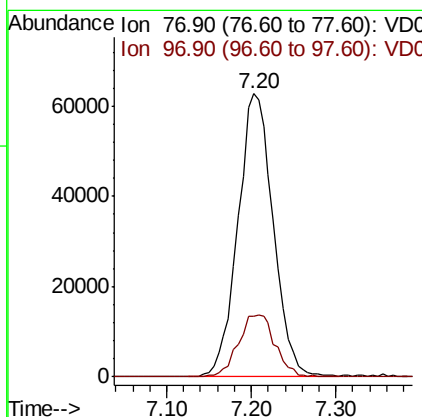
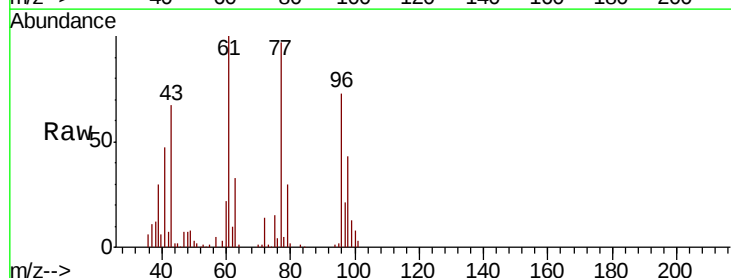
Acq: 07 Oct 2019 15:12

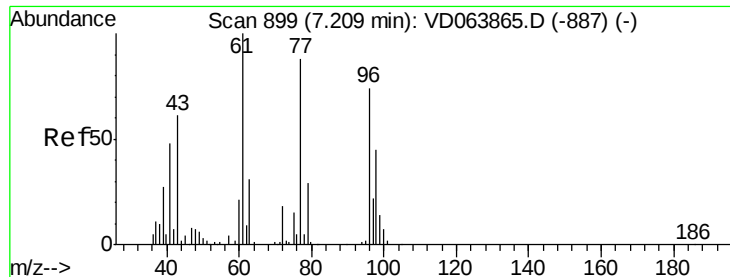
Tgt Ion: 77 Resp: 181916

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.1





#27

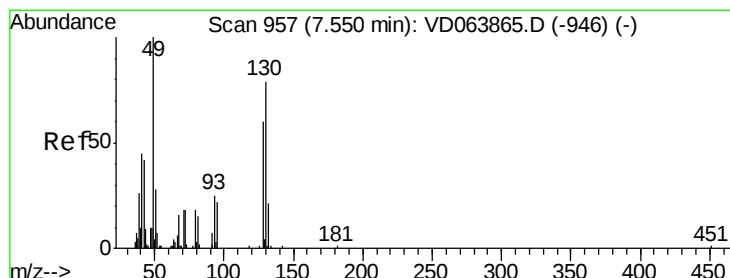
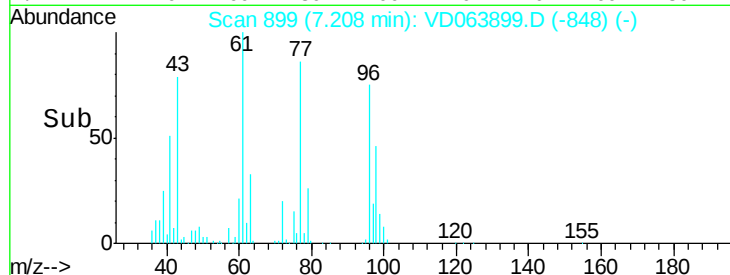
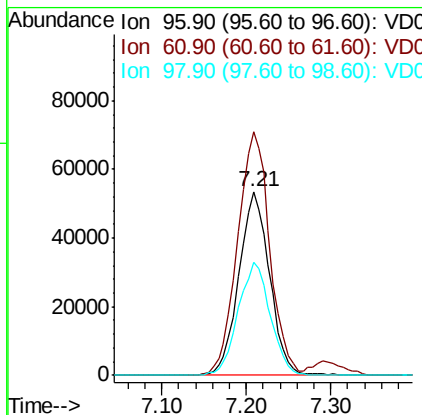
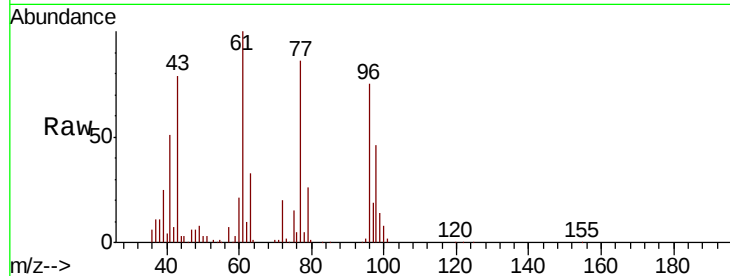
cis-1,2-Dichloroethene
 Concen: 53.446 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134765		
61	138.8	0.0	280.0	
98	64.1	0.0	130.4	

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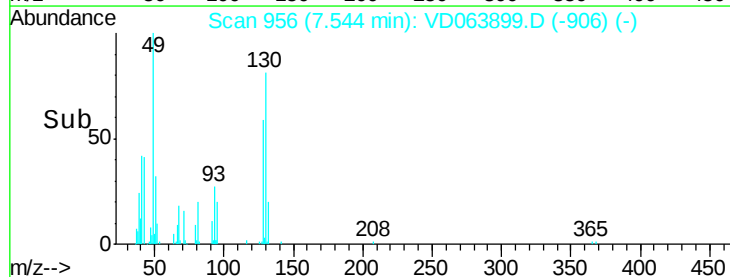
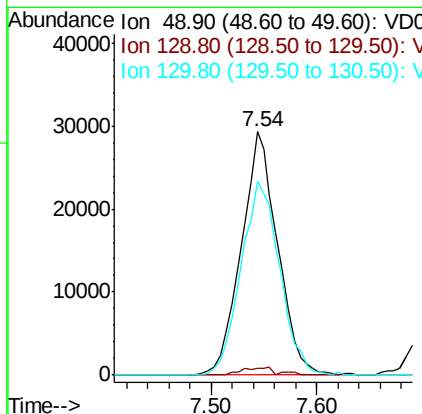
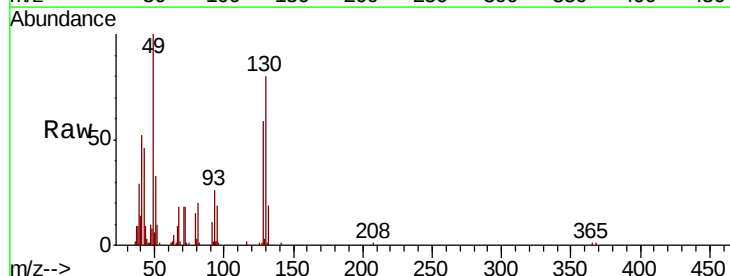
MMDadoda
 10/10/2019 1:46:19 PM

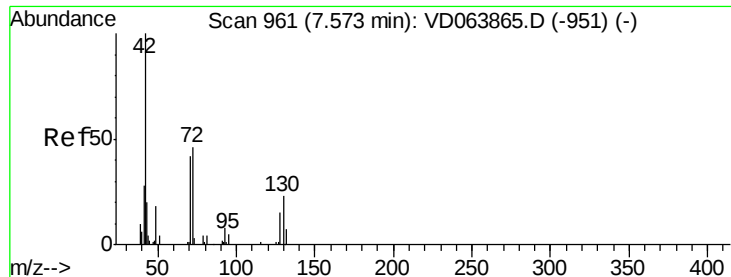


#28

Bromochloromethane
 Concen: 49.115 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	69840		
129	2.8	0.0	5.6	
130	84.9	66.8	100.2	





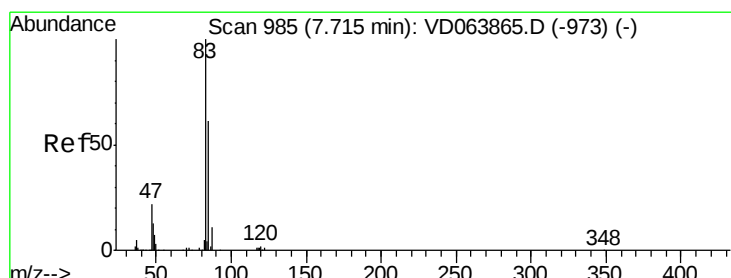
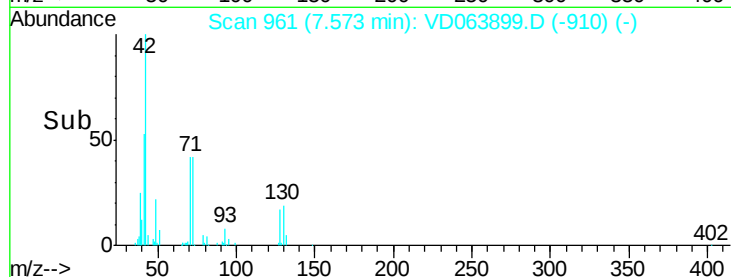
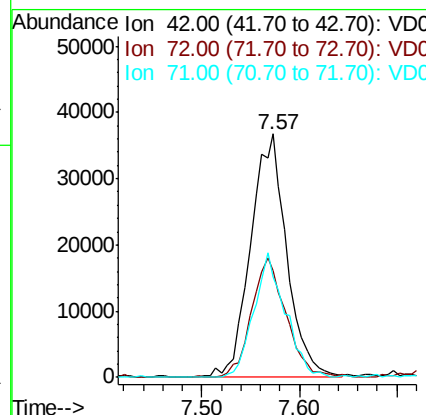
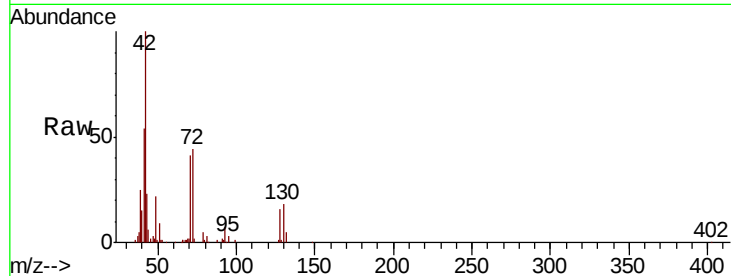
#29
Tetrahydrofuran
Concen: 254.458 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.6	56.4
71	44.5	35.0	52.6

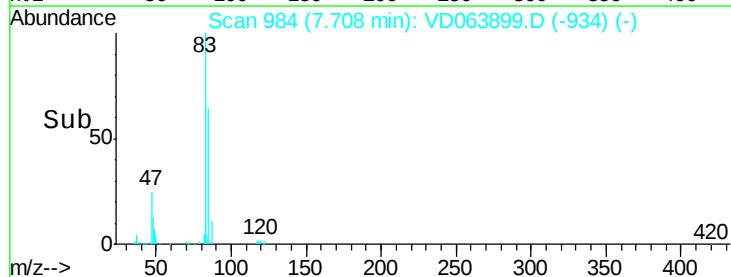
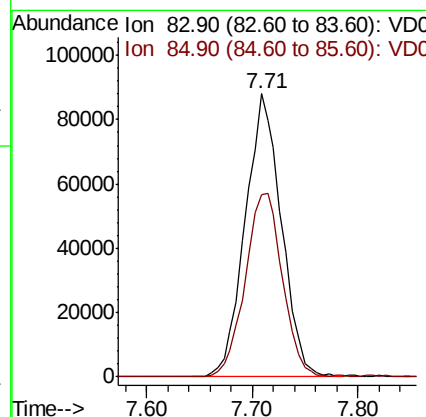
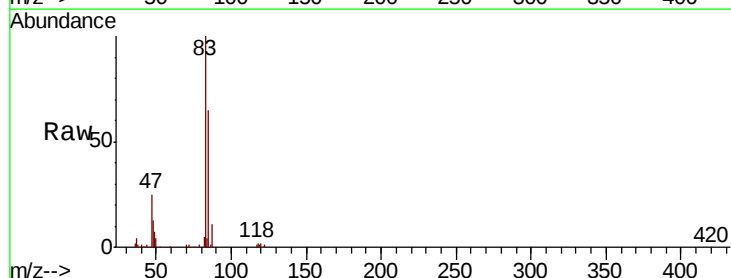
Manual Integrations
APPROVED

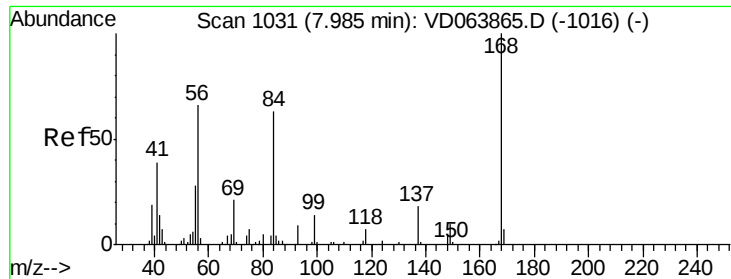
MMDadoda
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#30
Chloroform
Concen: 51.450 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	48.9	73.3





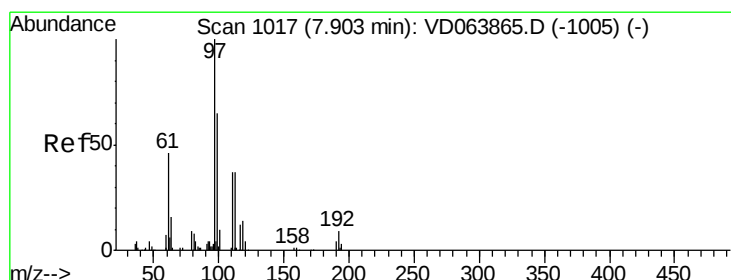
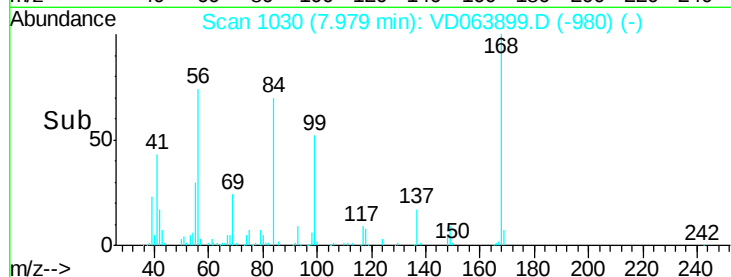
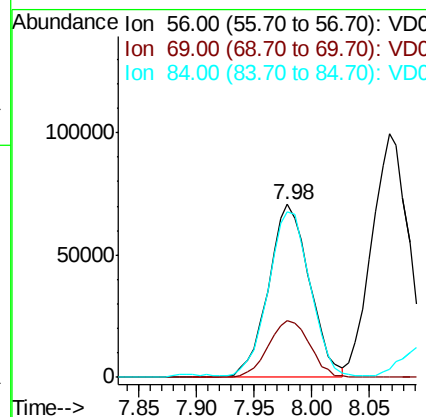
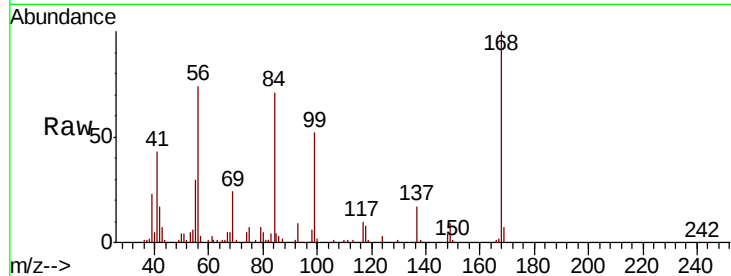
#31
Cyclohexane
Concen: 57.523 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.0	37.4
84	94.0	76.3	114.5

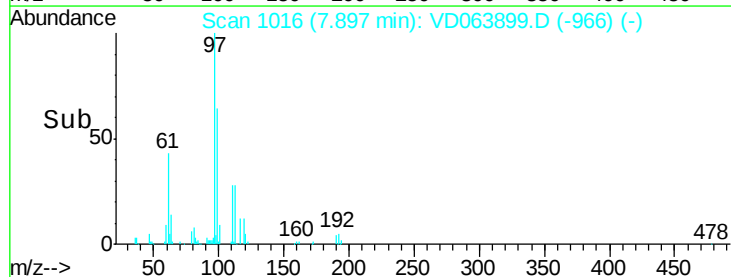
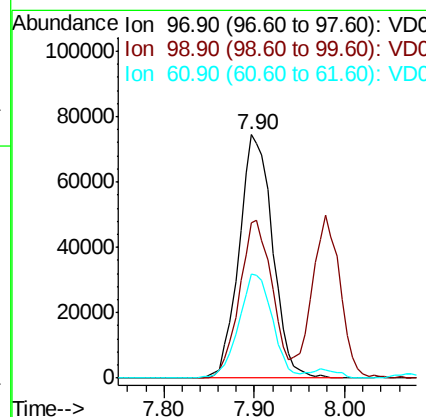
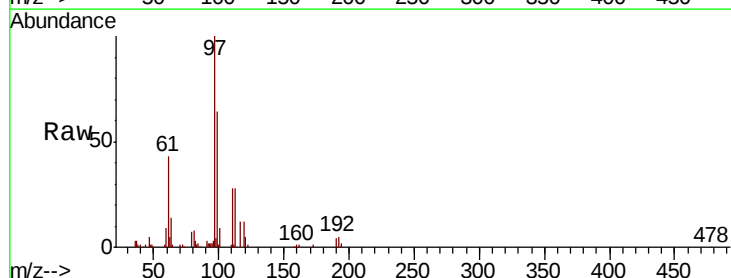
Manual Integrations
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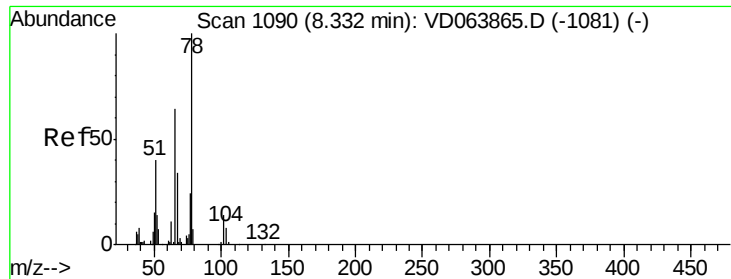
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 54.902 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.4	78.6
61	42.8	33.8	50.8





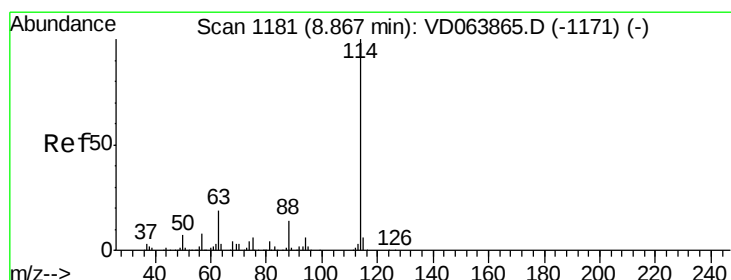
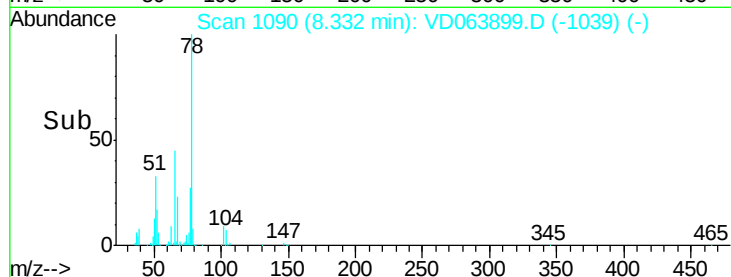
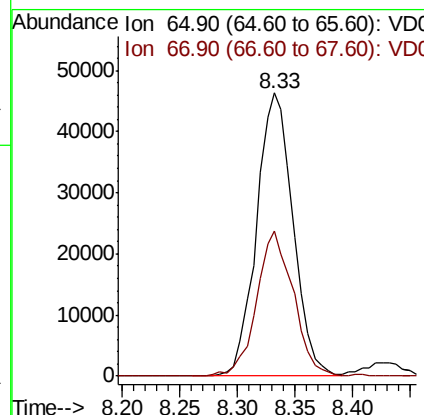
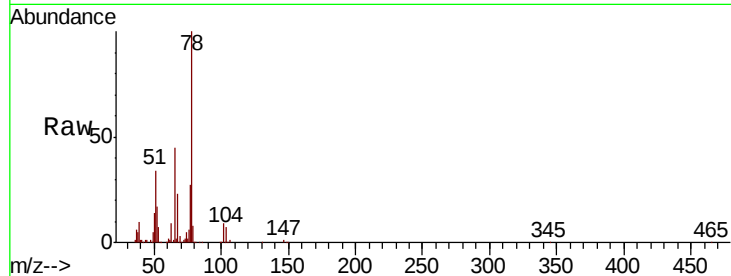
#33
 1,2-Dichloroethane-d4
 Concen: 48.992 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.4

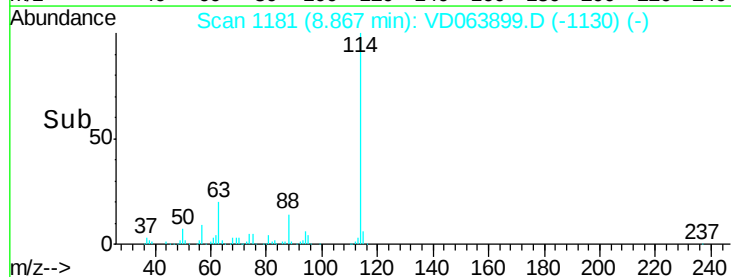
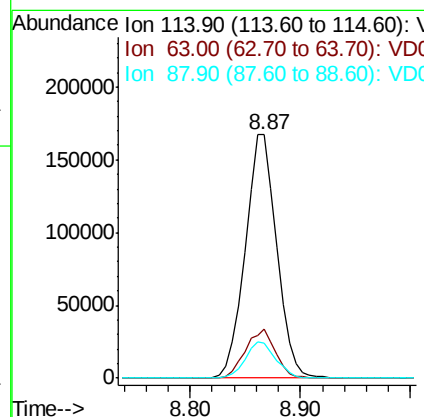
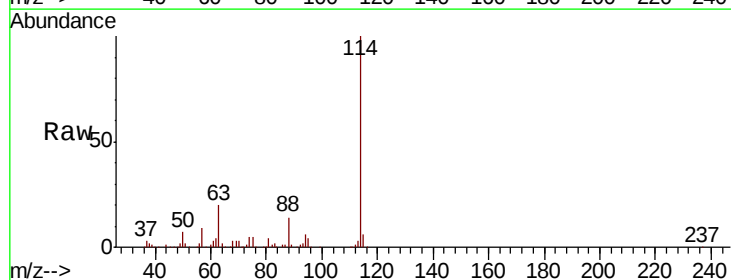
Manual Integrations
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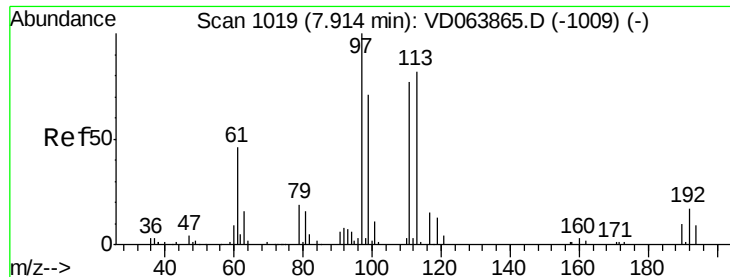
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	38.4
88	14.4	0.0	27.4





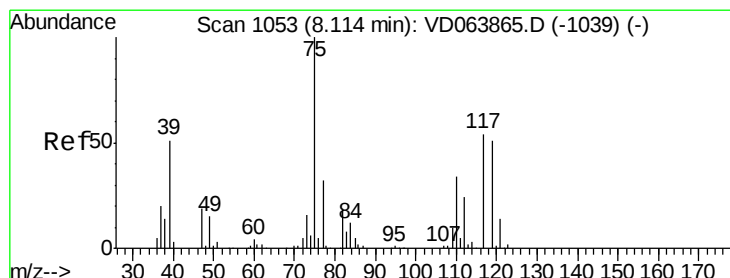
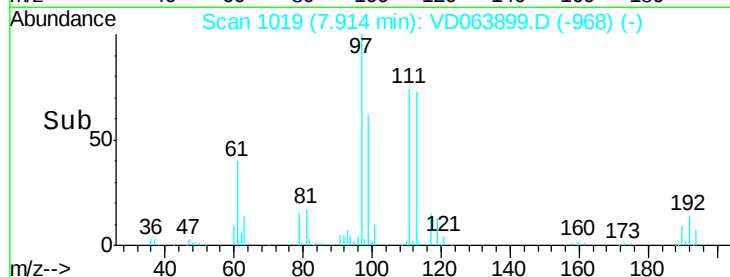
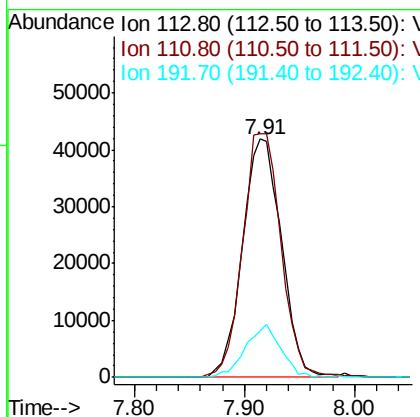
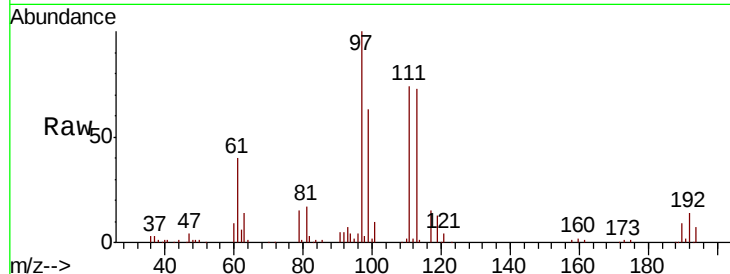
#35
Dibromofluoromethane
Concen: 50.922 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	123.8
192	20.1	17.1	25.7

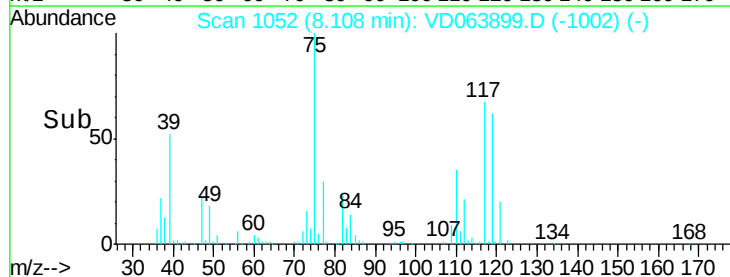
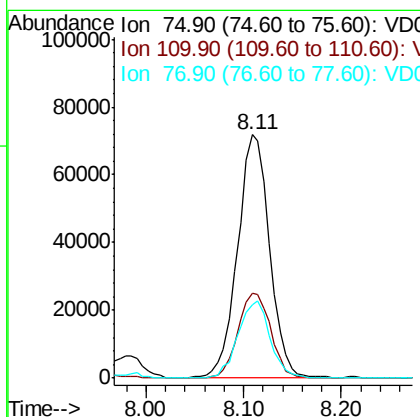
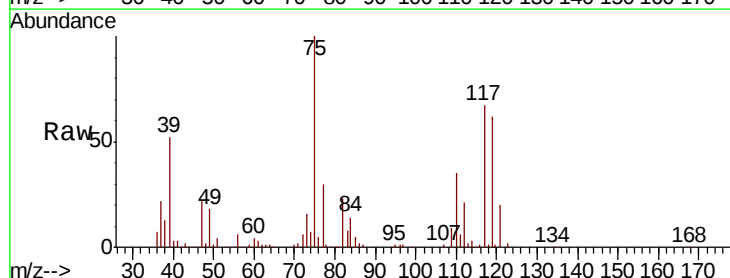
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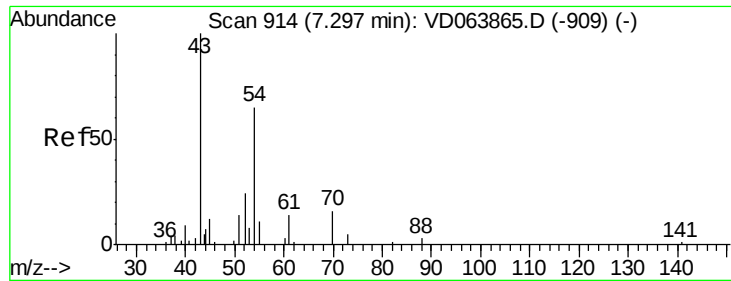
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#36
1,1-Dichloropropene
Concen: 53.898 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.4	52.3
77	31.8	25.4	38.0





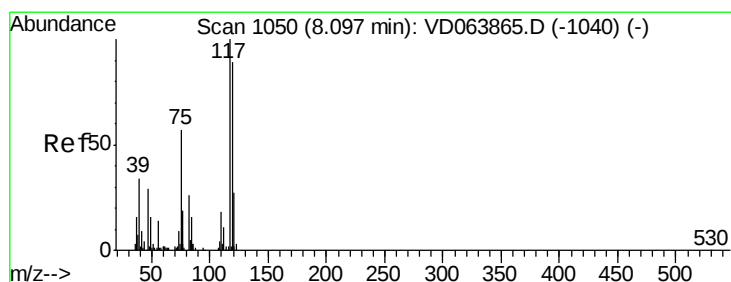
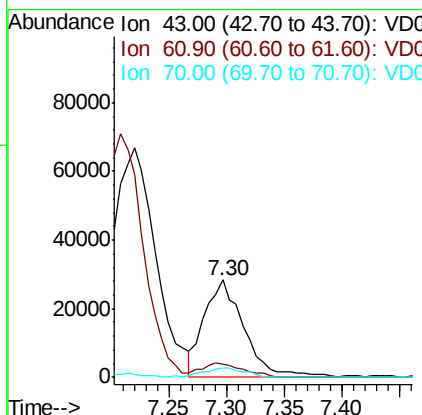
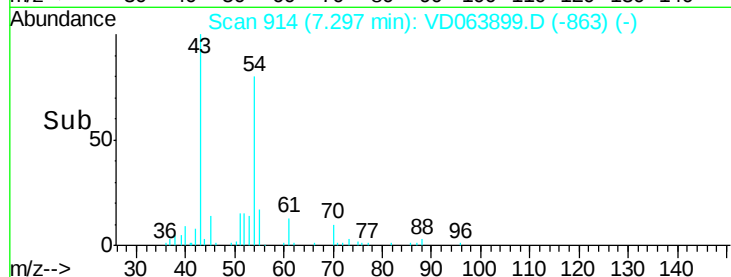
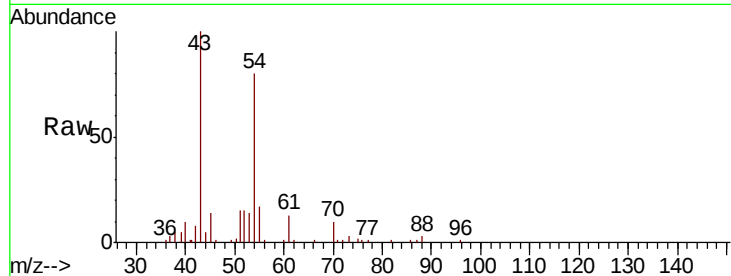
#37
Ethyl Acetate
Concen: 55.224 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.4	11.5	17.3	
70	10.5	8.2	12.4	

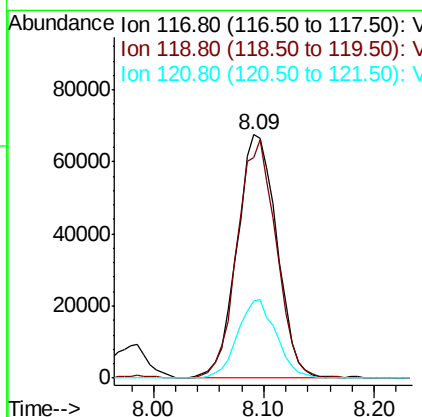
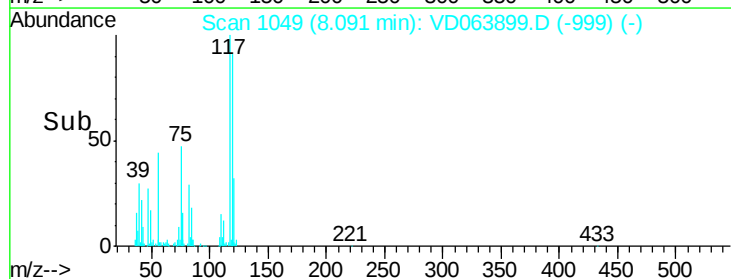
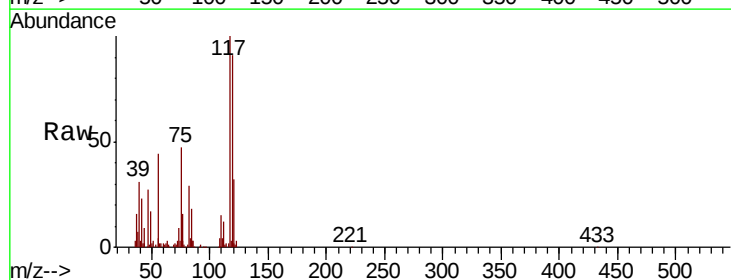
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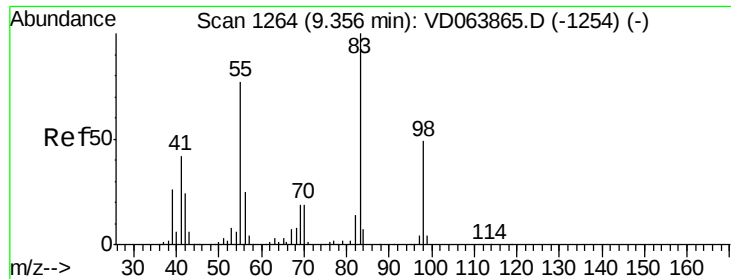
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10/10/2019 1:46:19 PM



#38
Carbon Tetrachloride
Concen: 55.294 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	90.6	70.8	106.2	
121	31.9	21.4	32.0	





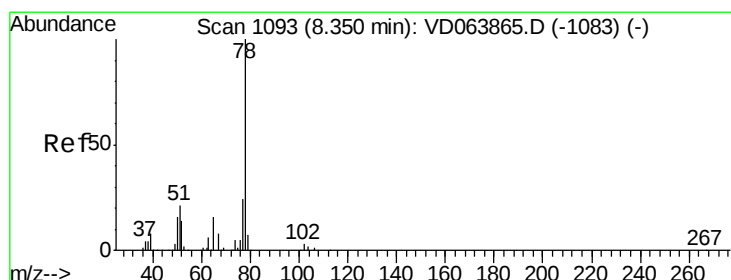
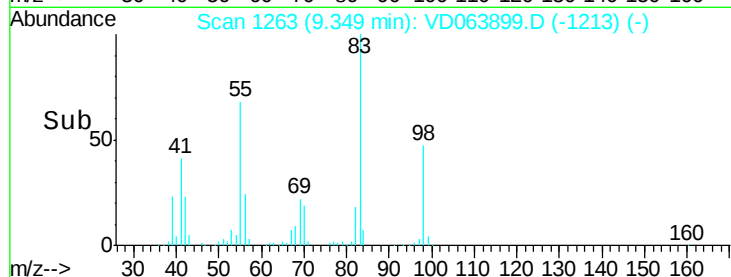
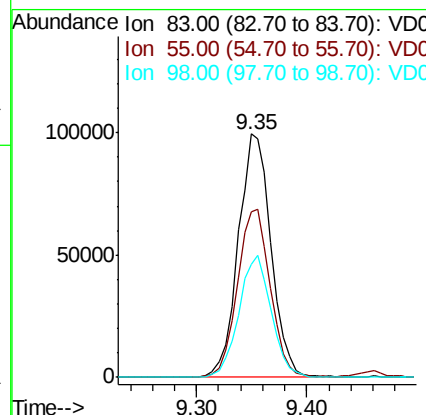
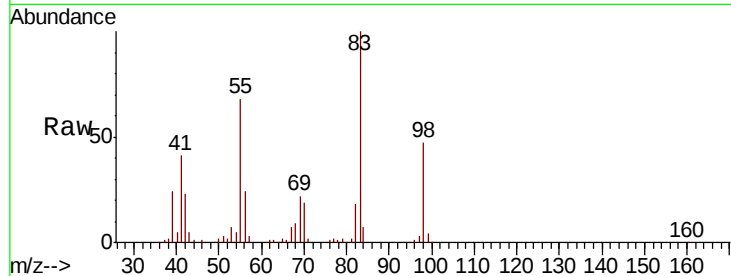
#39
Methylvlcyclohexane
Concen: 54.981 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	61.3	91.9
98	46.7	39.3	58.9

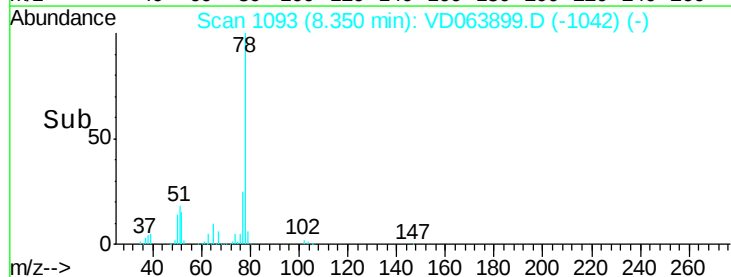
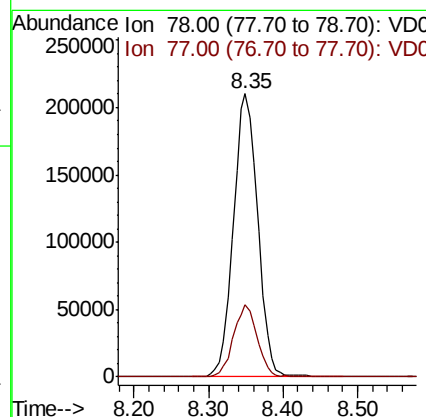
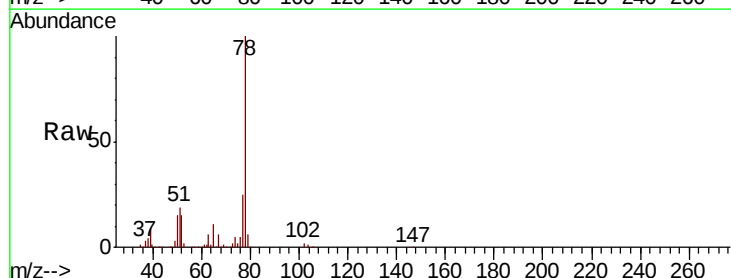
Manual Integrations
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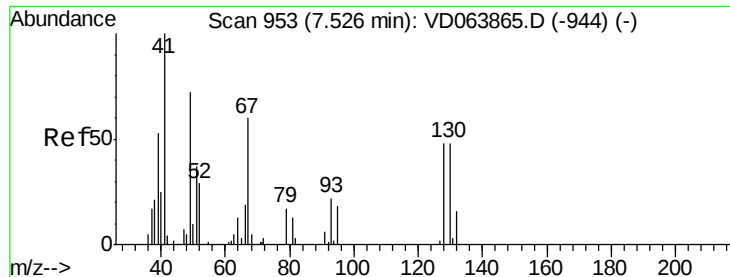
MMDadoda
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#40
Benzene
Concen: 54.306 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.0	28.6





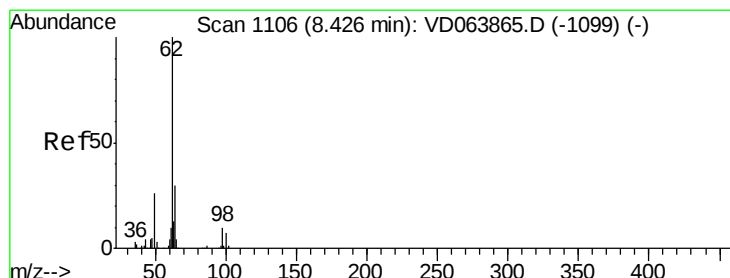
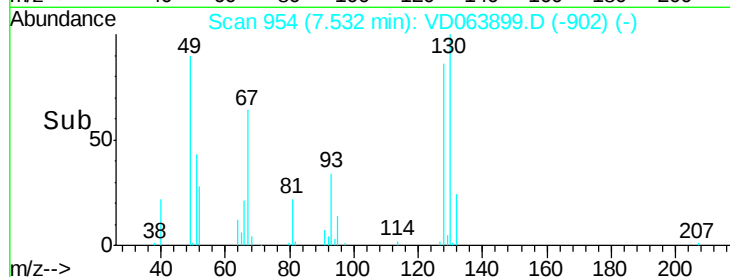
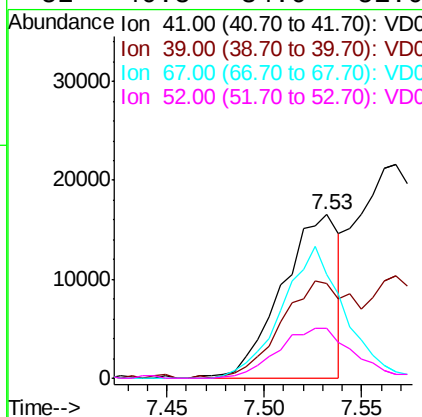
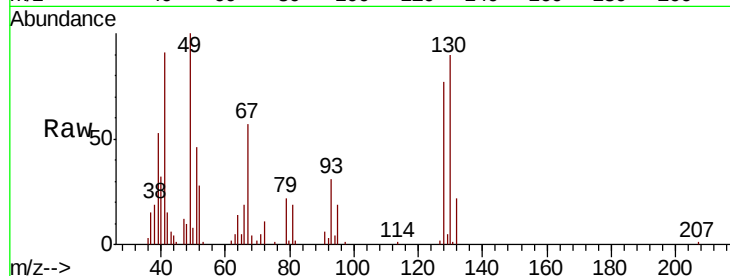
#41
Methacrylonitrile
Concen: 47.493 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	33738
Ion	Ratio	Lower	Upper
41	100		
39	75.1	52.6	78.8
67	88.0	74.2	111.2
52	40.8	34.0	51.0

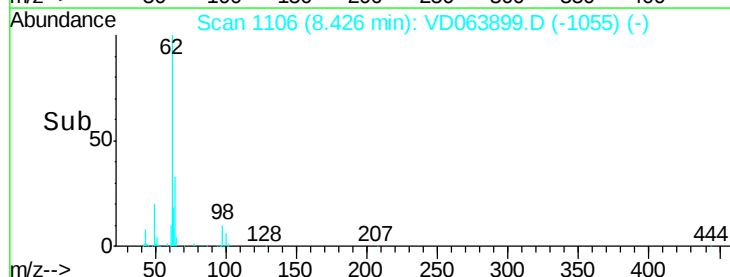
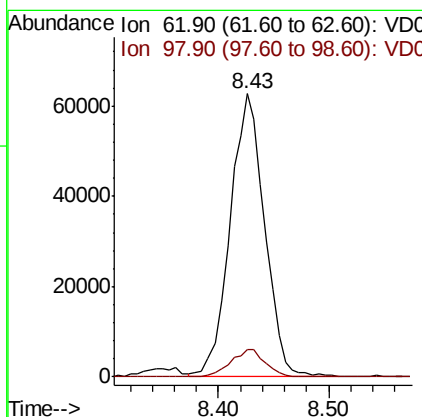
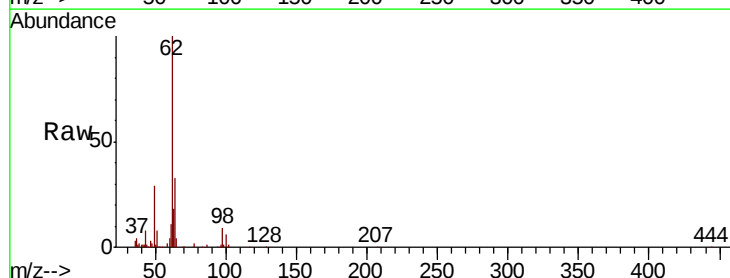
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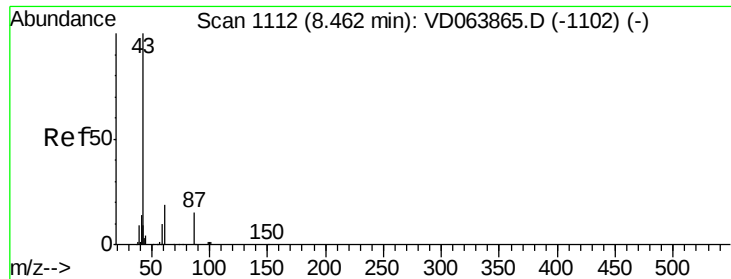
MMDadoda
10/10/2019 1:46:19 PM



#42
1,2-Dichloroethane
Concen: 54.123 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion:	62	Resp:	137468
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0





#43

Isopropyl Acetate

Concen: 51.826 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

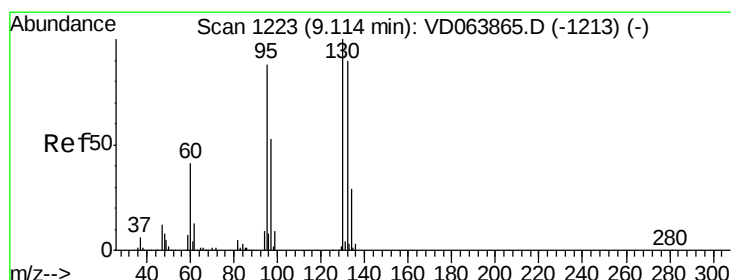
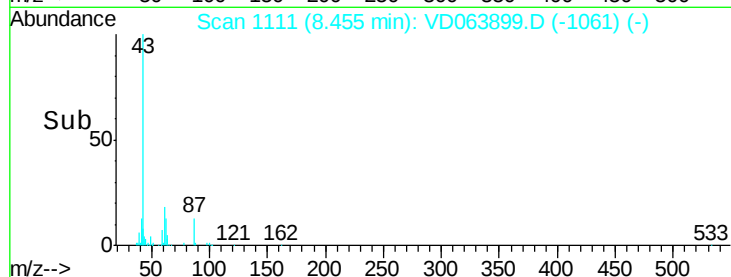
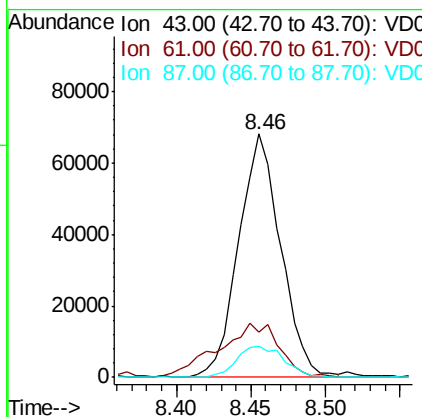
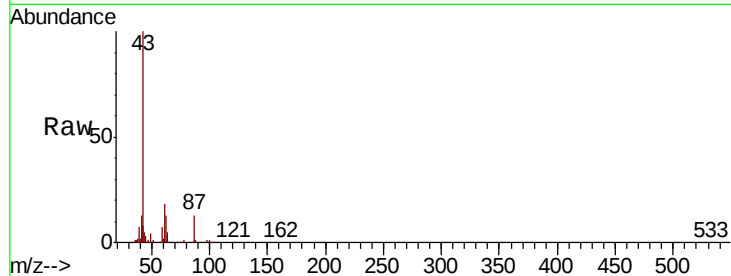
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	133173
Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.7	38.5
87	14.5	11.6	17.4

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#44

Trichloroethene

Concen: 54.255 ug/l

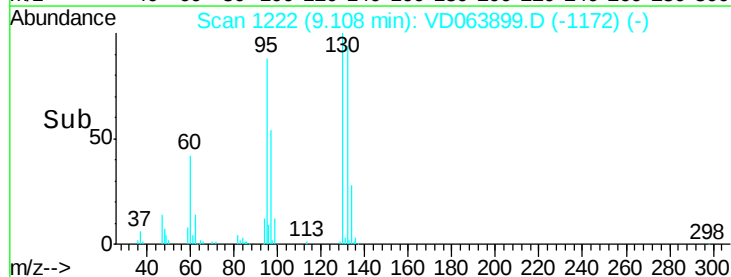
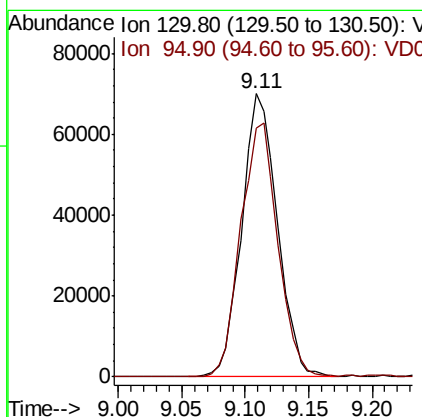
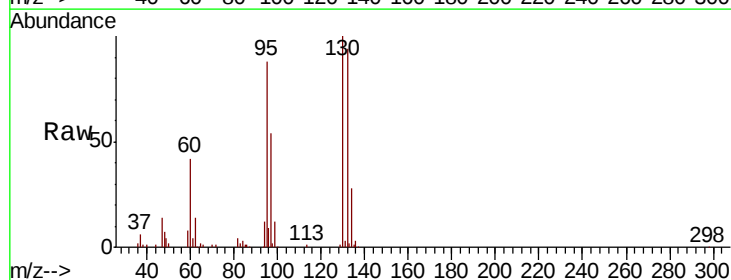
RT: 9.11 min Scan# 1222

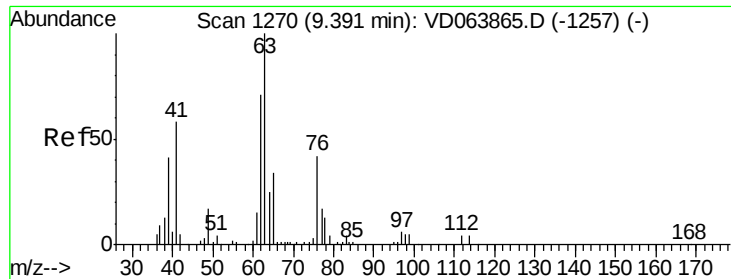
Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Tgt Ion:	130	Resp:	137373
Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	175.6





#45

1,2-Dichloropropane

Concen: 54.122 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 116318

Ion Ratio Lower Upper

63 100

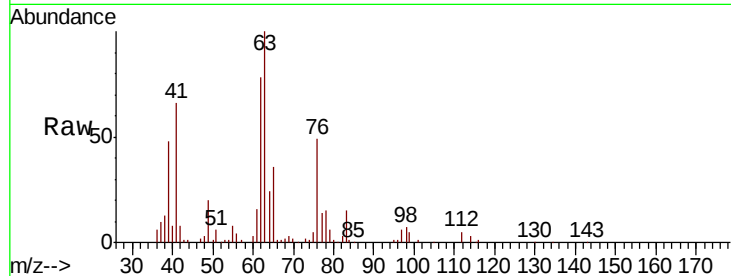
65 36.5 27.3 40.9

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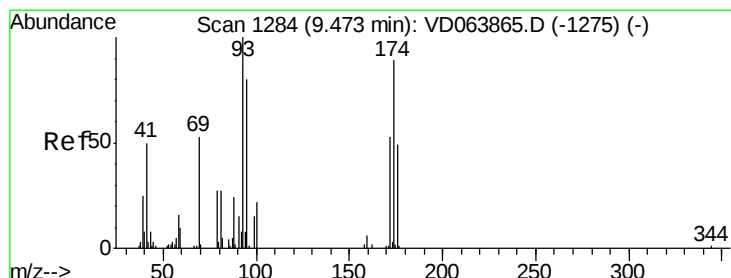
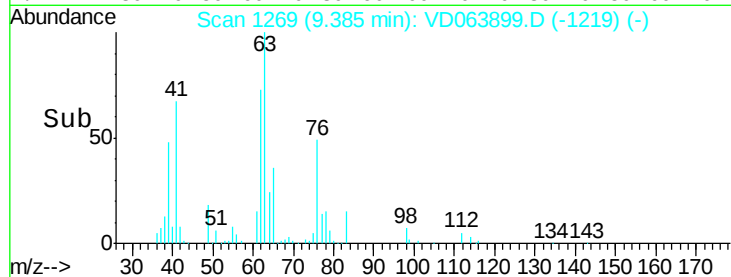
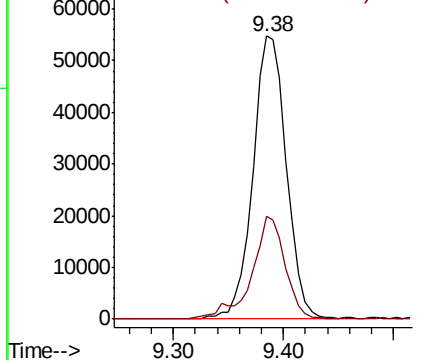
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 54.163 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

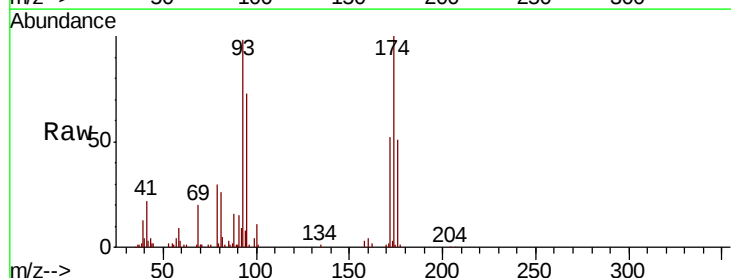
Tgt Ion: 93 Resp: 66295

Ion Ratio Lower Upper

93 100

95 81.0 66.0 99.0

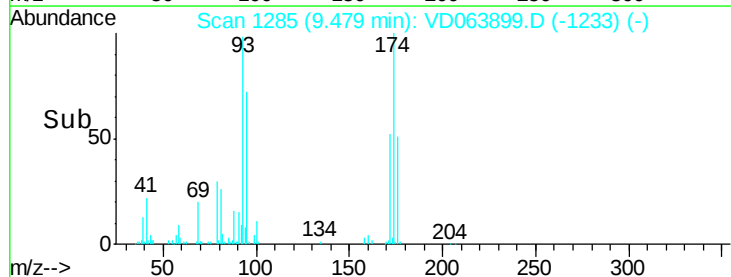
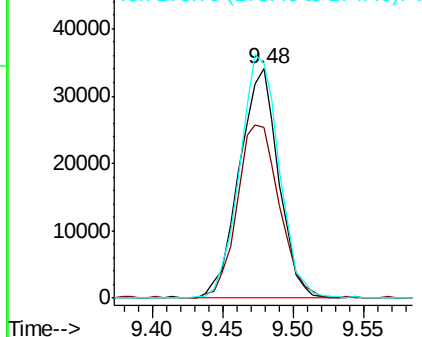
174 107.2 83.4 125.0

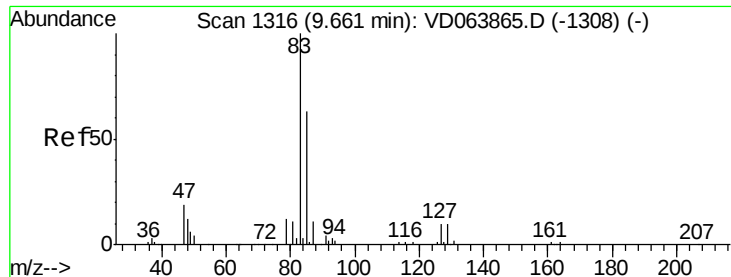


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 54.528 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

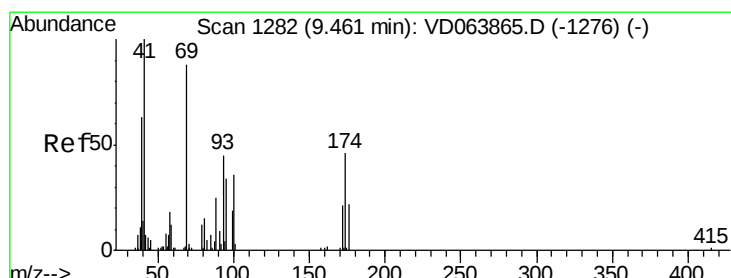
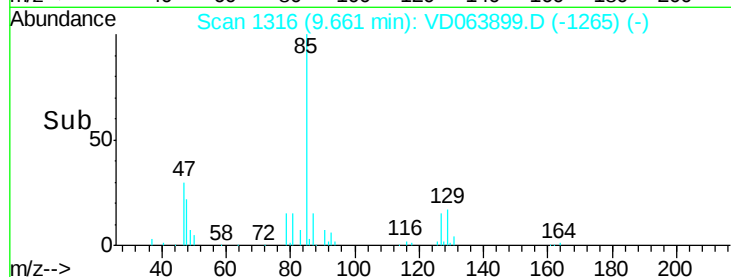
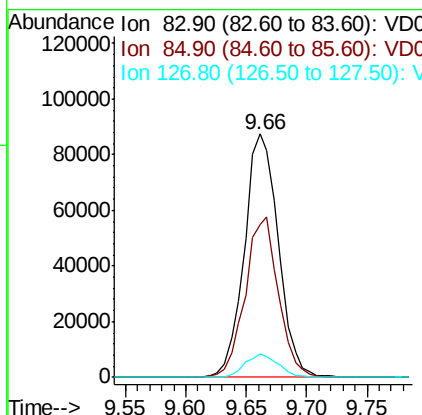
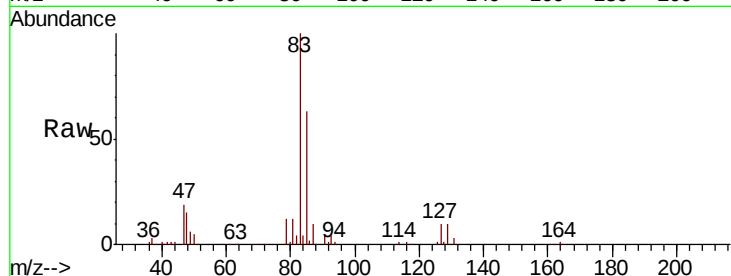
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	171836
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.2
127	9.7	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.220 ug/l

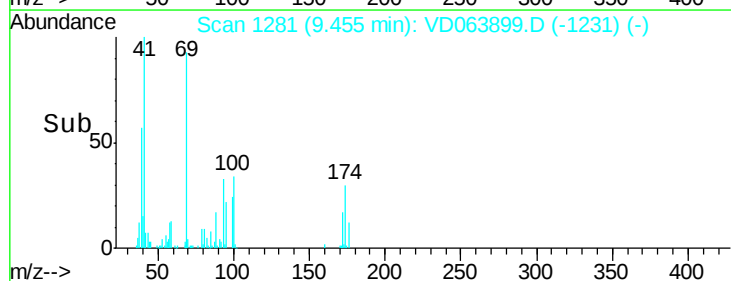
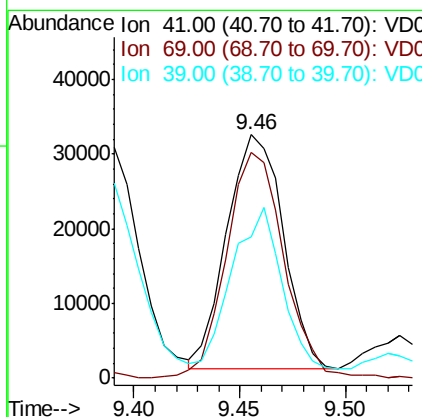
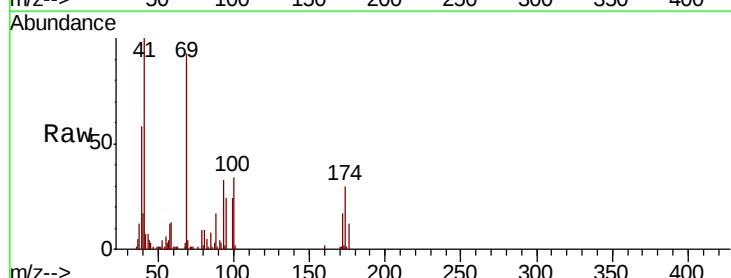
RT: 9.46 min Scan# 1281

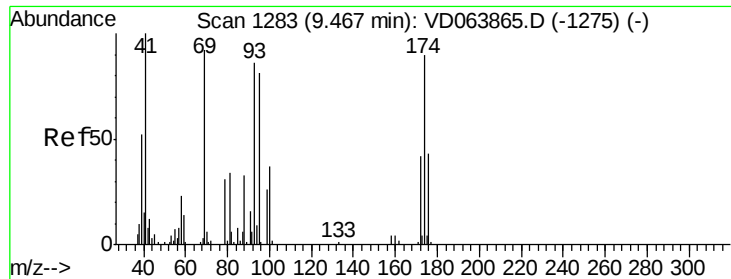
Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Tgt Ion:	41	Resp:	58136
Ion	Ratio	Lower	Upper
41	100		
69	98.4	75.1	112.7
39	61.4	50.2	75.2





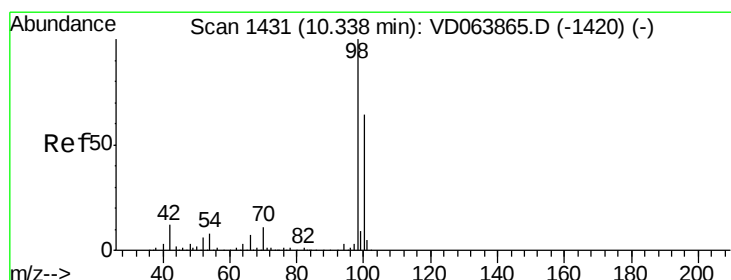
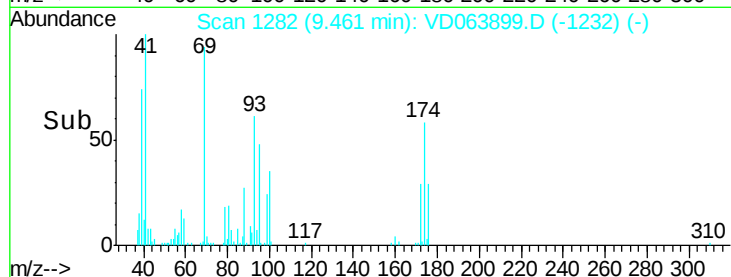
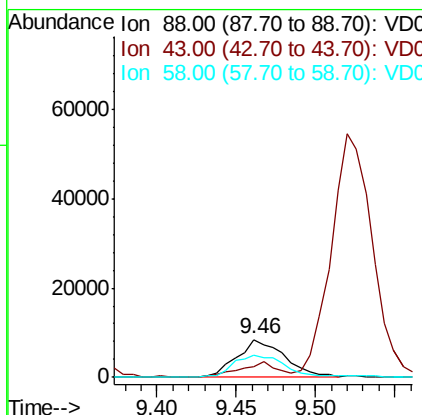
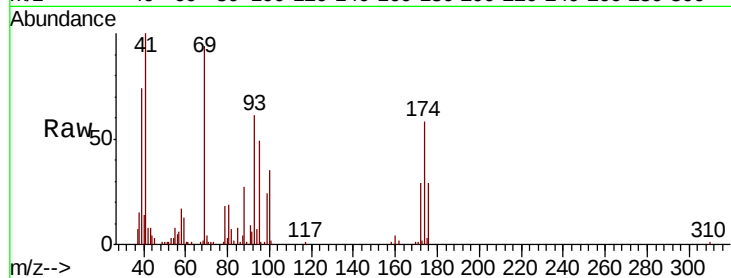
#49
1,4-Dioxane
Concen: 1047.742 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	17505
Ion	Ratio	Lower	Upper
88	100		
43	33.3	27.6	41.4
58	64.1	54.1	81.1

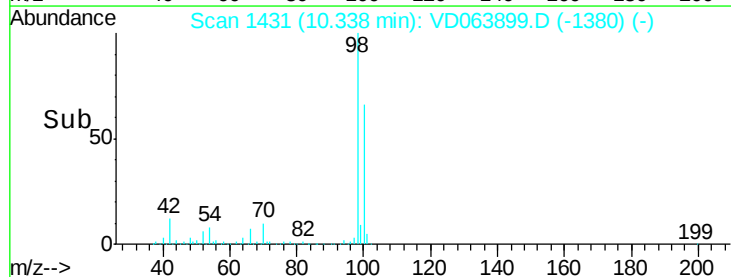
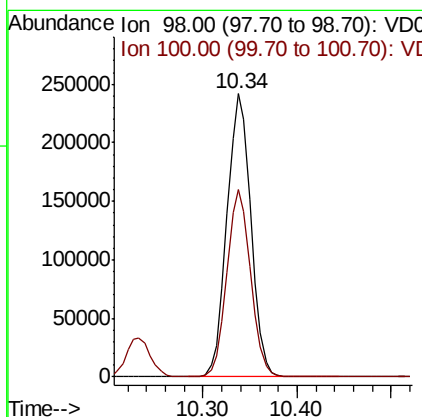
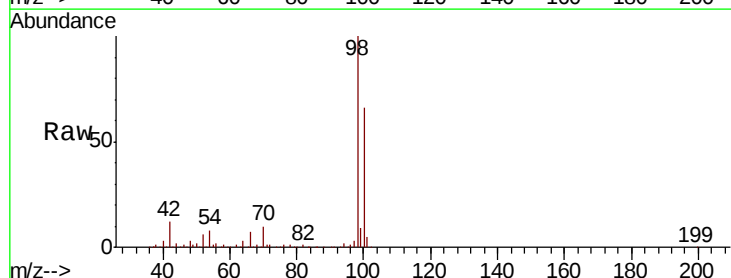
Manual Integrations
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#50
Toluene-d8
Concen: 51.565 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	98	Resp	428633
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 264.497 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 352483

Ion Ratio Lower Upper

43 100

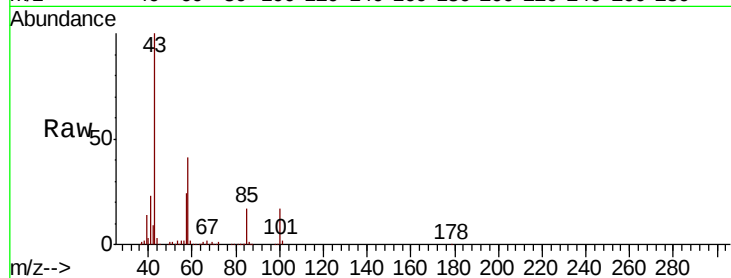
58 40.7 33.0 49.4

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

10.23

200000

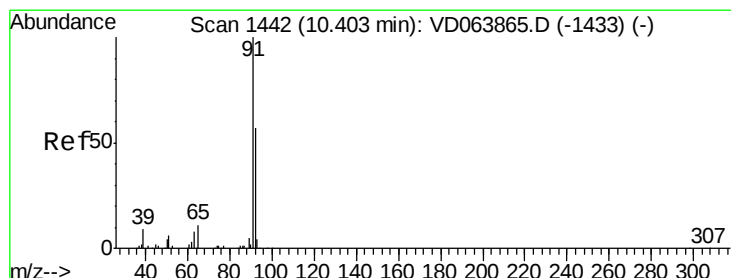
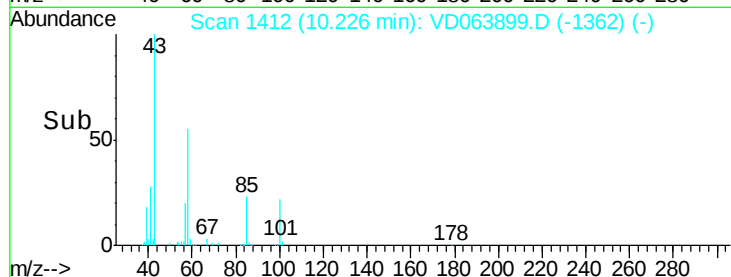
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 54.750 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063899.D

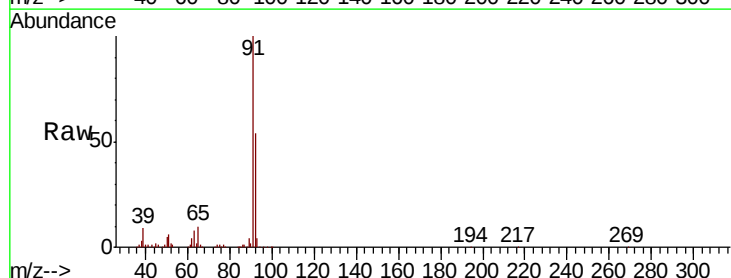
Acq: 07 Oct 2019 15:12

Tgt Ion: 92 Resp: 330017

Ion Ratio Lower Upper

92 100

91 174.6 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

400000

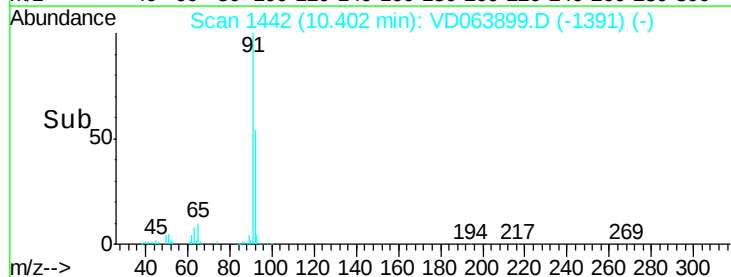
300000

200000

100000

0

Time-->





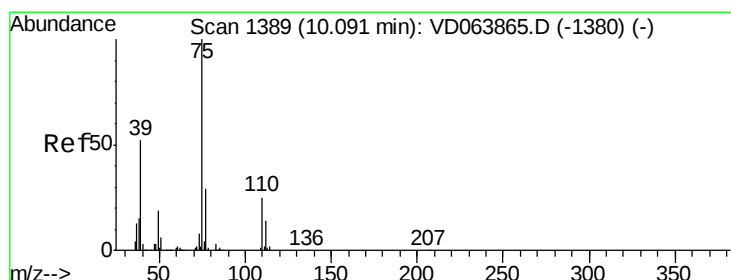
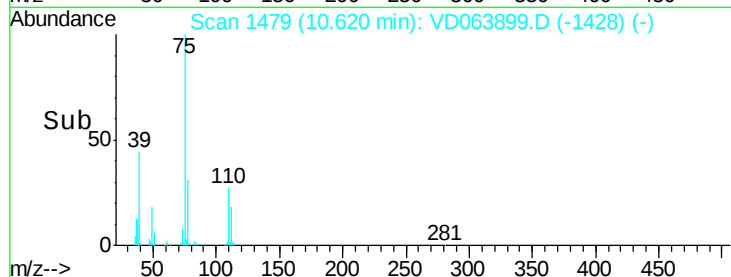
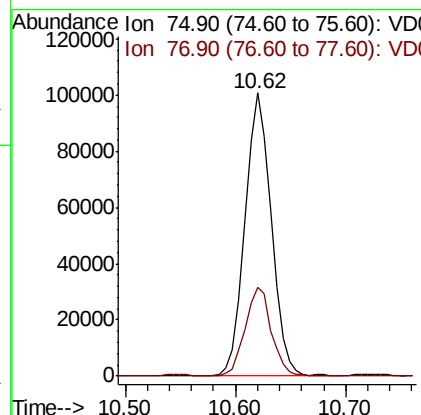
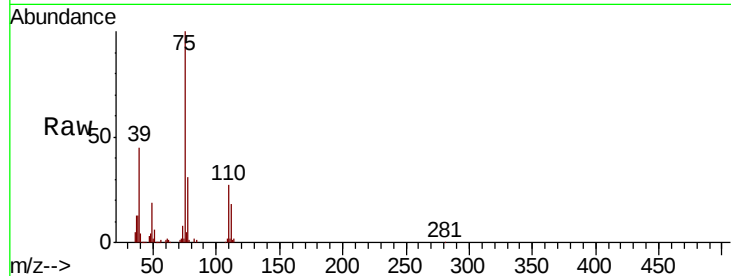
#53
 t-1,3-Dichloropropene
 Concen: 55.158 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 169618
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.8 34.2

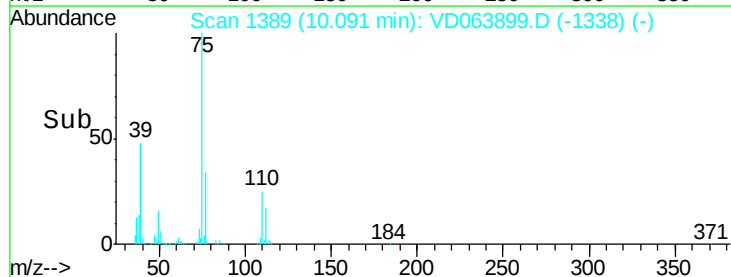
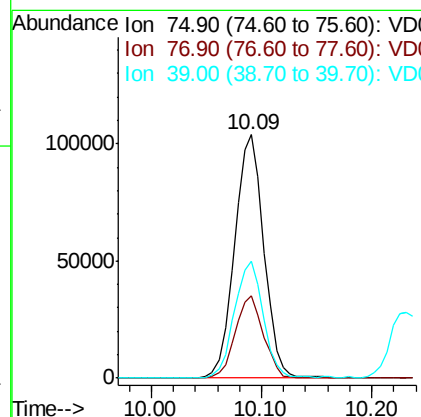
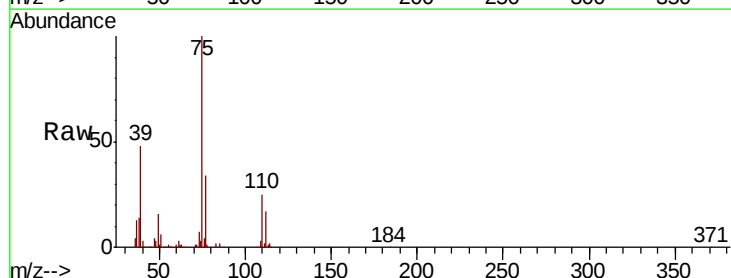
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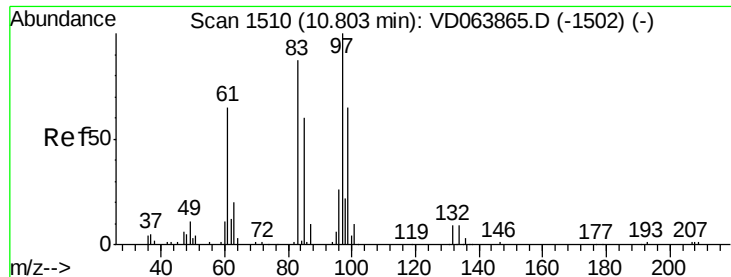
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#54
 cis-1,3-Dichloropropene
 Concen: 54.567 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Tgt Ion: 75 Resp: 193153
 Ion Ratio Lower Upper
 75 100
 77 33.7 23.2 34.8
 39 48.2 41.5 62.3





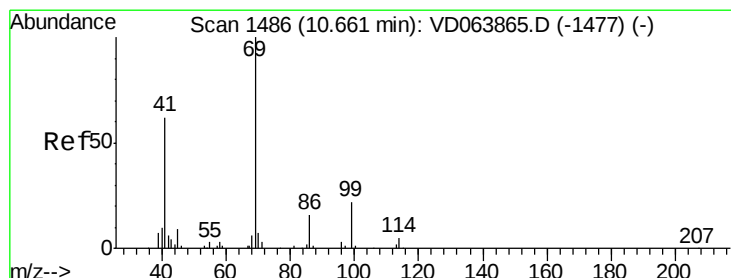
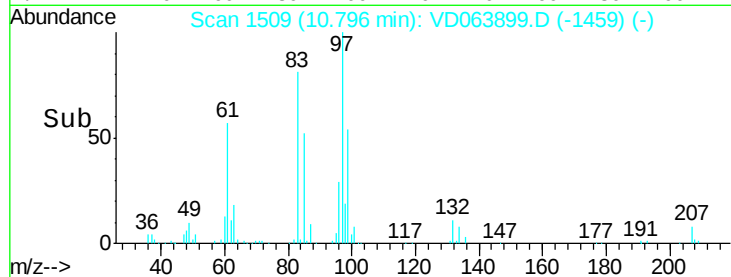
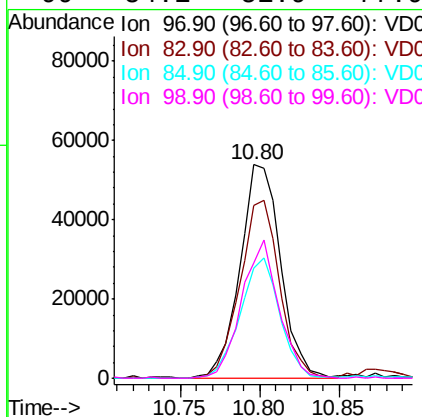
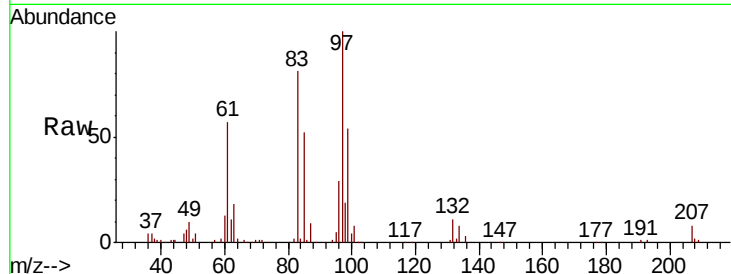
#55
 1,1,2-Trichloroethane
 Concen: 55.798 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	96431
Ion	Ratio	Lower	Upper
97	100		
83	81.1	69.7	104.5
85	51.7	48.1	72.1
99	54.1	51.9	77.9

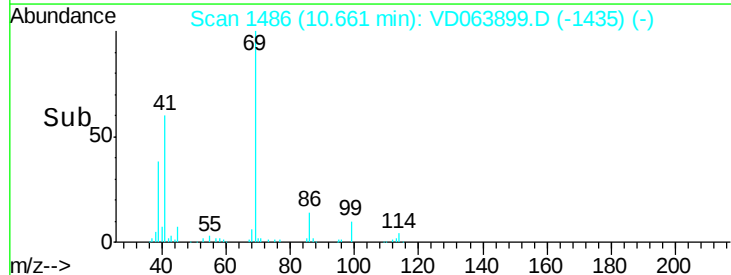
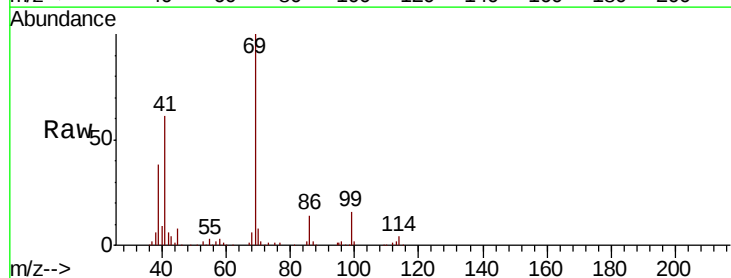
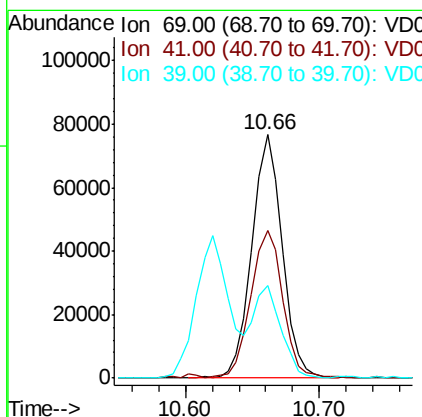
Manual Integrations
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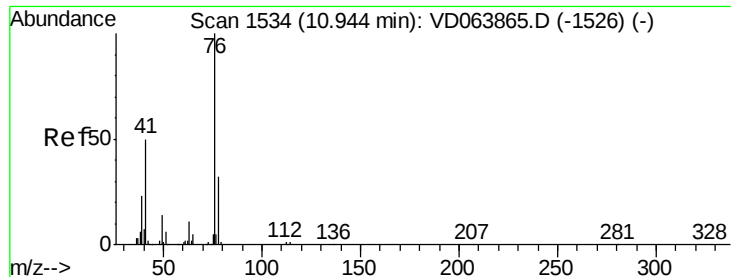
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#56
 Ethyl methacrylate
 Concen: 54.853 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Tgt Ion:	69	Resp:	120048
Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.3	76.9
39	34.3	28.0	42.0





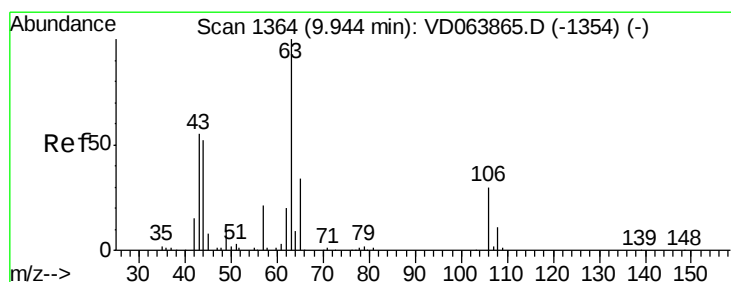
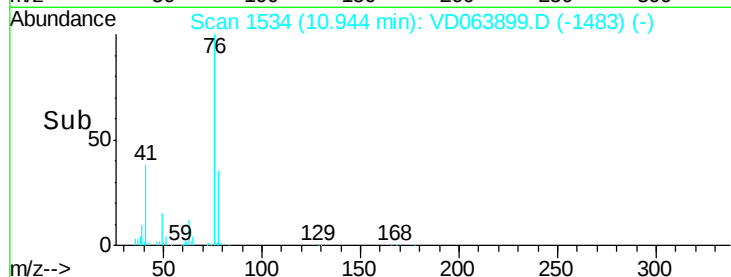
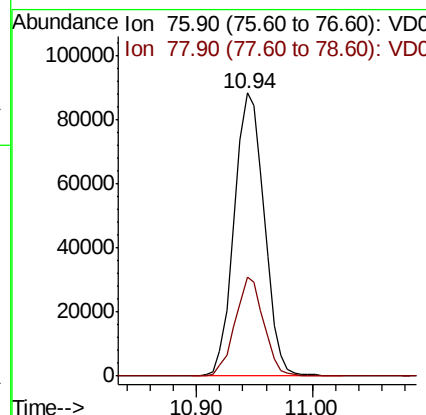
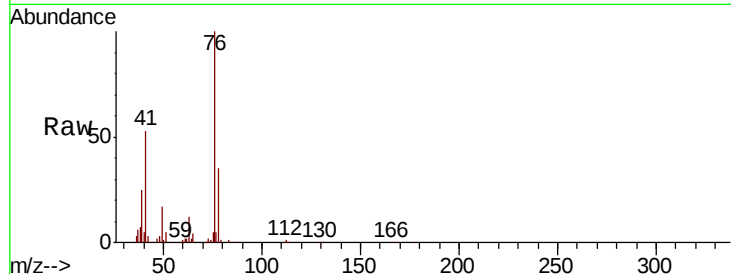
#57
 1,3-Dichloropropane
 Concen: 53.997 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	40.0

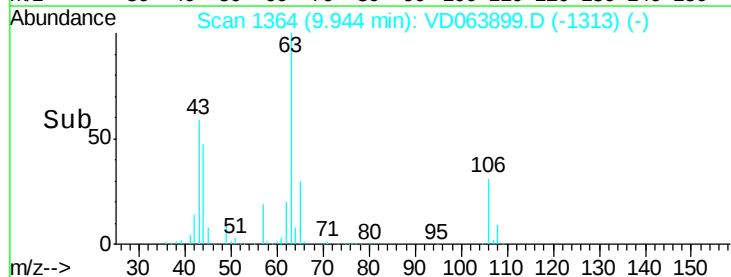
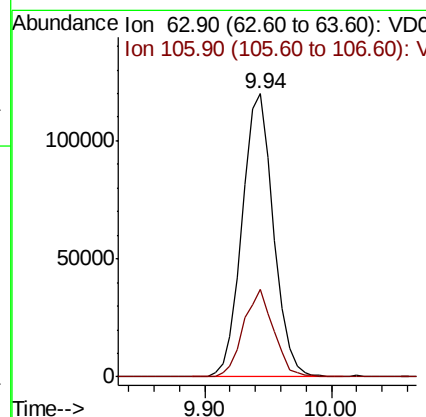
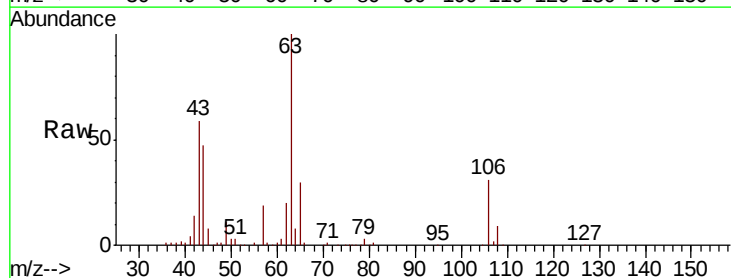
Manual Integrations
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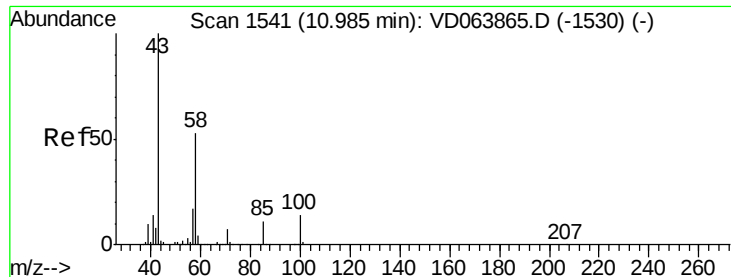
MMDadoda
 10/10/2019 1:46:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 218.526 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	24.3	36.5





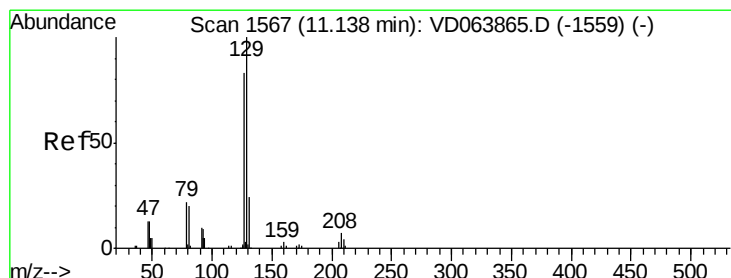
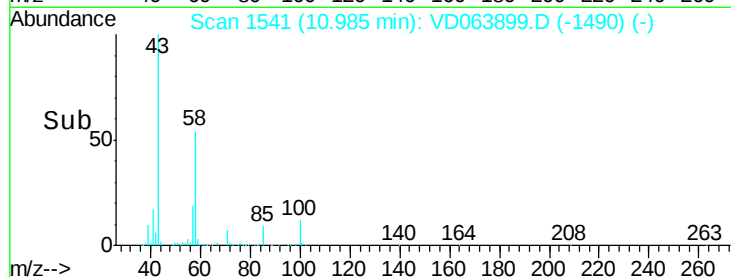
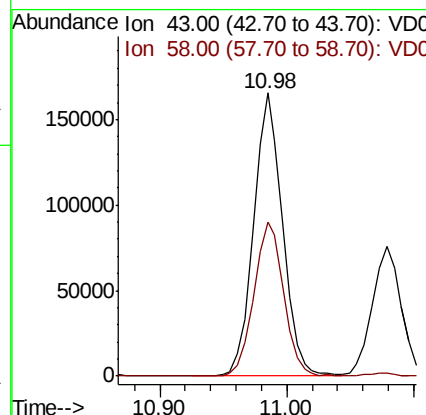
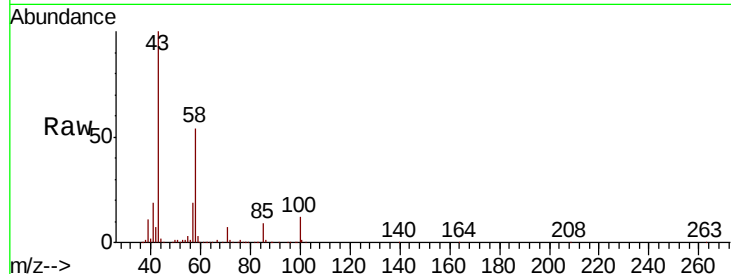
#59
2-Hexanone
Concen: 272.448 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 262641
Ion Ratio Lower Upper
43 100
58 55.9 27.7 83.0

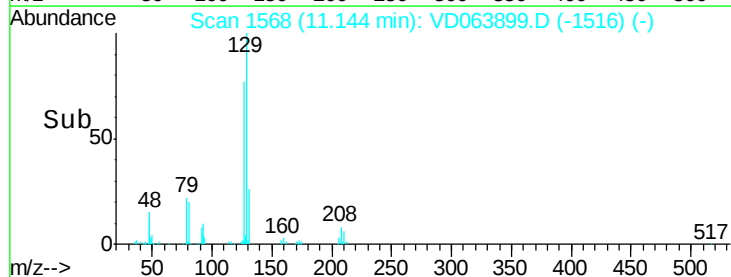
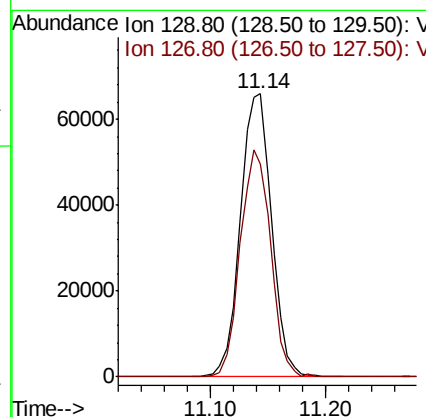
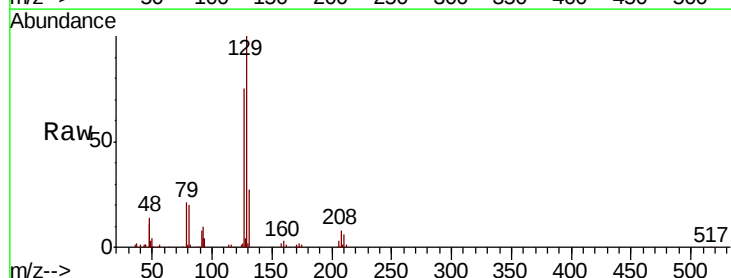
Manual Integrations
APPROVED

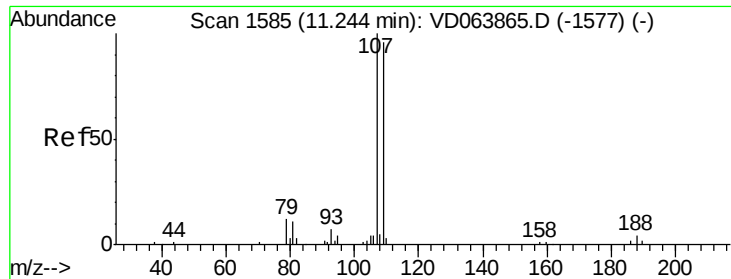
MMDadoda
10/10/2019 1:46:19 PM



#60
Dibromochloromethane
Concen: 54.734 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion:129 Resp: 123149
Ion Ratio Lower Upper
129 100
127 77.9 39.9 119.6





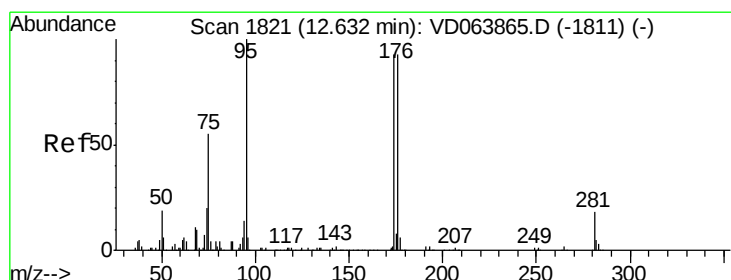
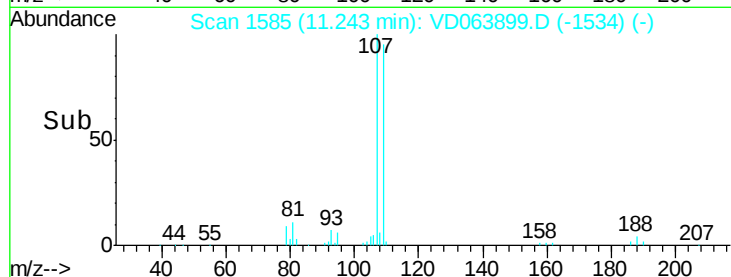
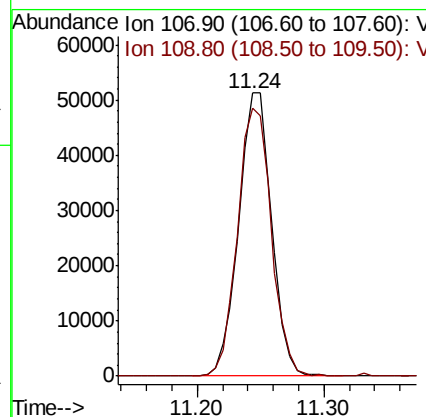
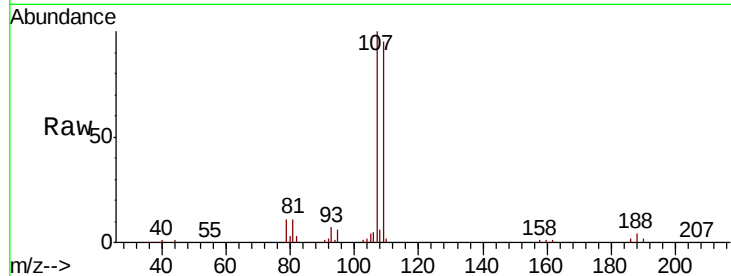
#61
 1,2-Dibromoethane
 Concen: 54.998 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 92146
 Ion Ratio Lower Upper
 107 100
 109 97.2 75.2 112.8

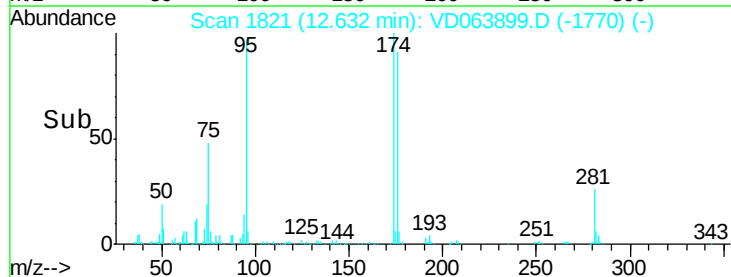
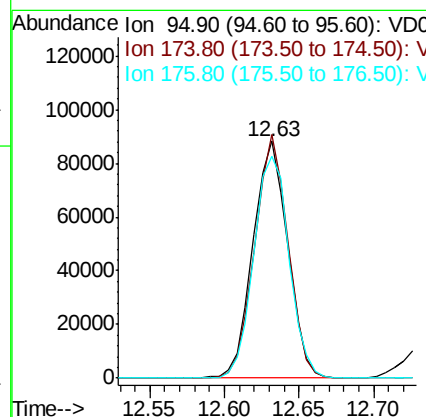
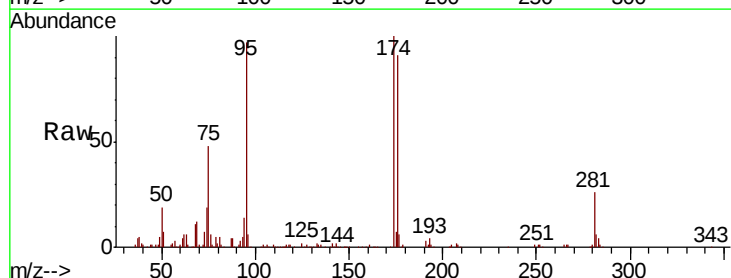
Manual Integrations
 APPROVED

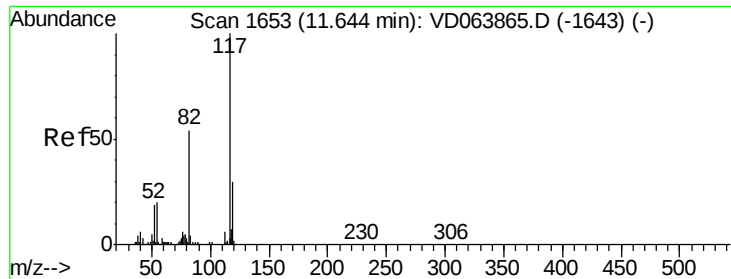
MMDadoda
 10/10/2019 1:46:19 PM



#62
 4-Bromofluorobenzene
 Concen: 49.108 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Tgt Ion: 95 Resp: 141853
 Ion Ratio Lower Upper
 95 100
 174 98.3 0.0 186.4
 176 94.9 0.0 184.2





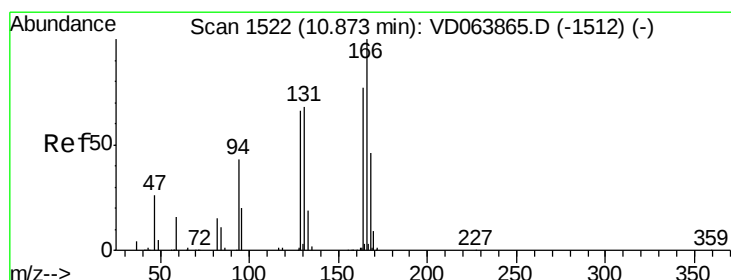
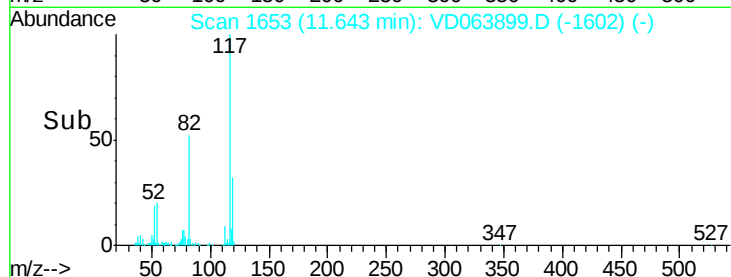
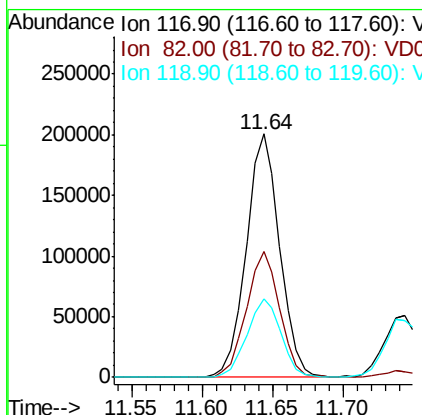
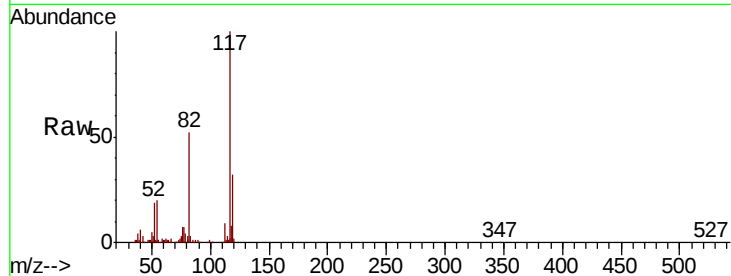
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.8	64.2
119	32.3	24.4	36.6

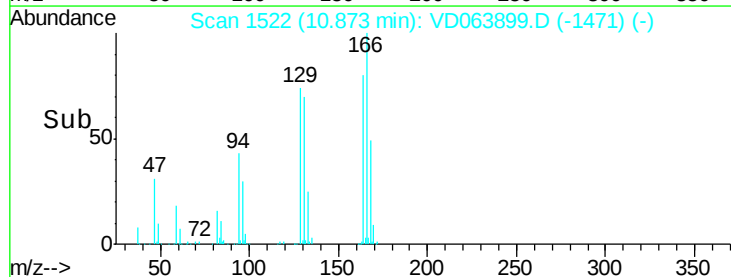
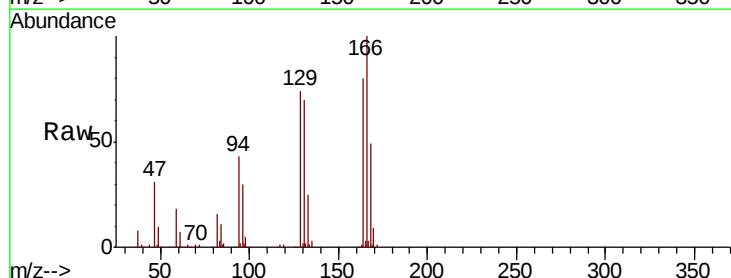
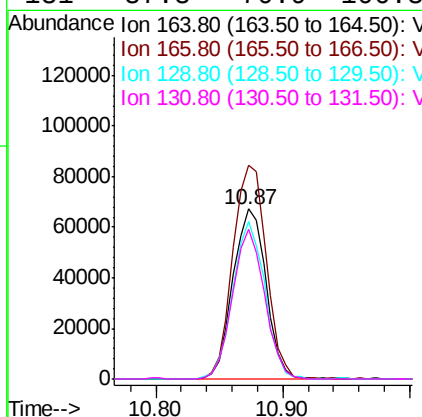
Manual Integrations
APPROVED

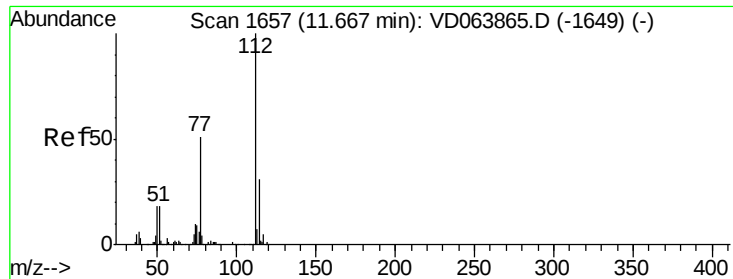
MMDadoda
10/10/2019 1:46:19 PM



#64
Tetrachloroethene
Concen: 53.586 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	103.8	155.6
129	92.4	68.9	103.3
131	87.8	70.9	106.3





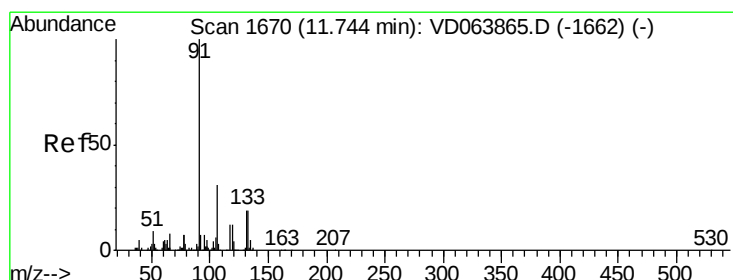
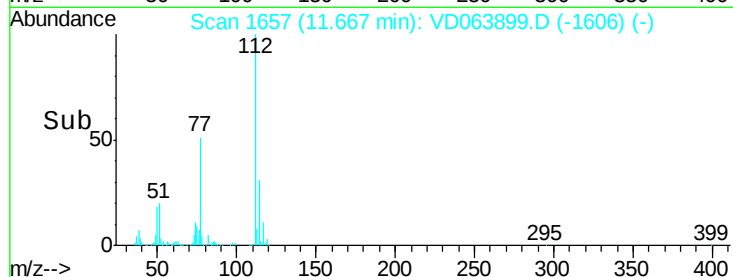
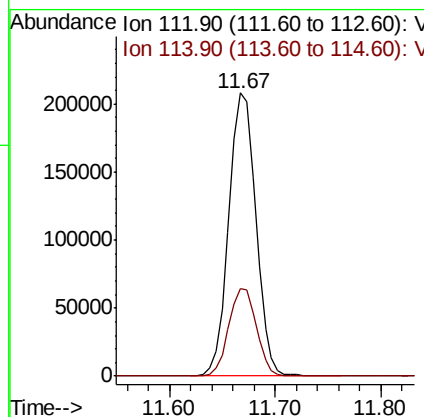
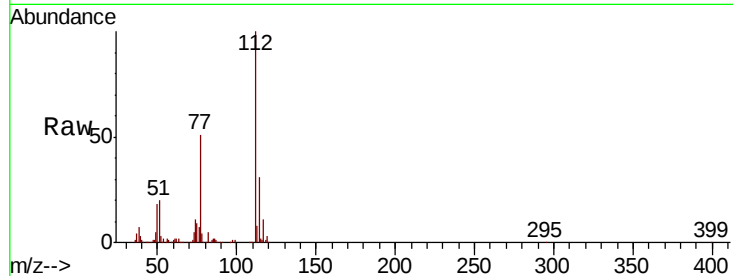
#65
Chlorobenzene
Concen: 55.503 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.1	37.7

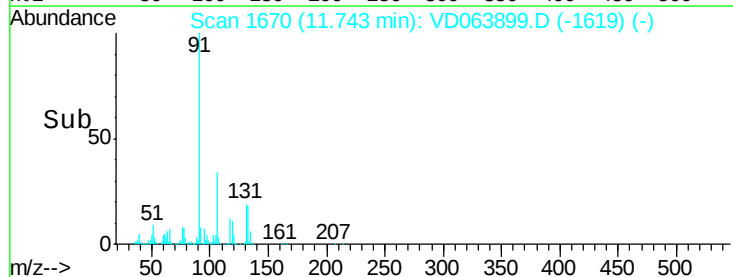
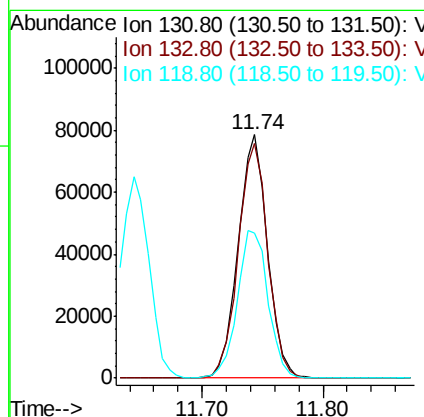
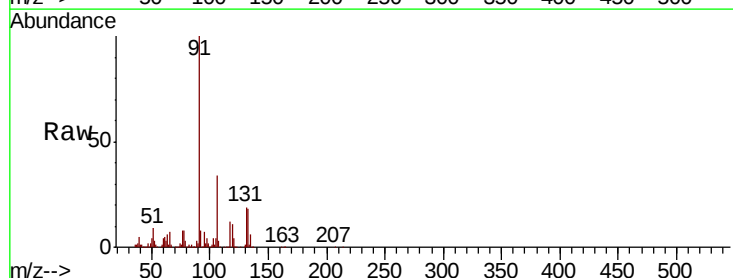
Manual Integrations
APPROVED

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#66
1,1,1,2-Tetrachloroethane
Concen: 54.007 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	48.9	146.7
119	63.7	32.6	97.8





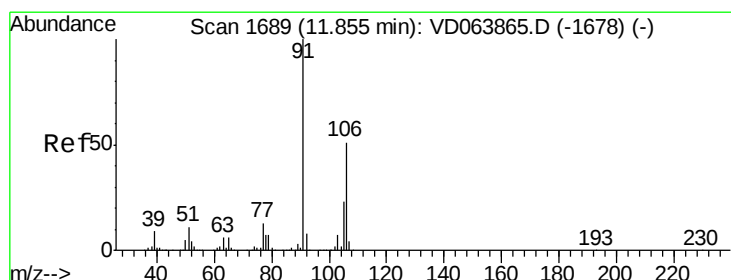
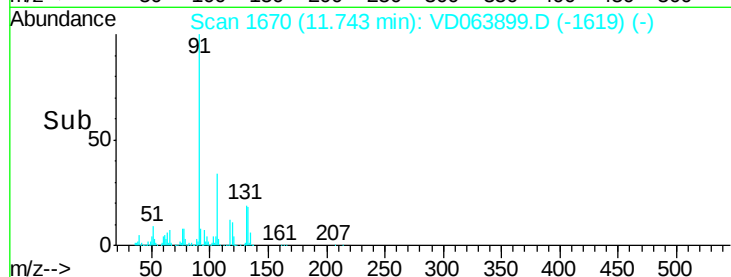
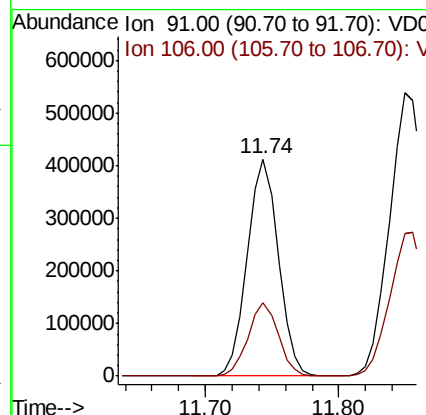
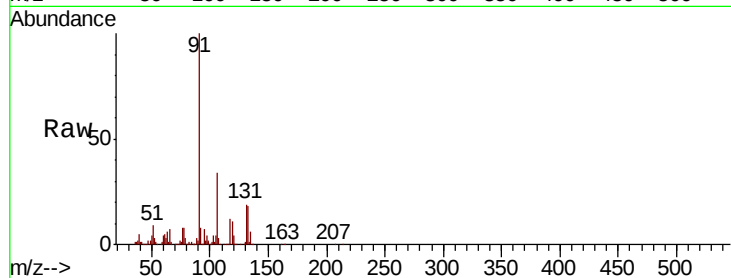
#67
Ethyl Benzene
Concen: 55.071 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.9	24.6	37.0

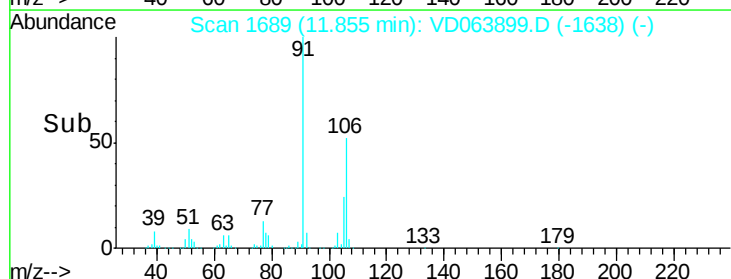
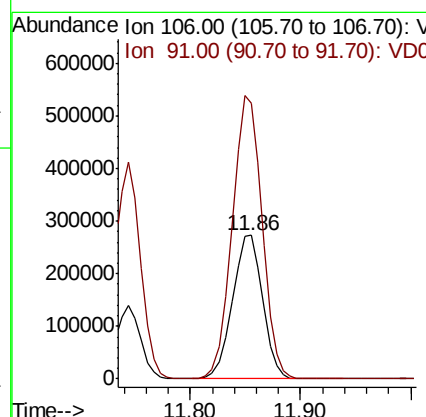
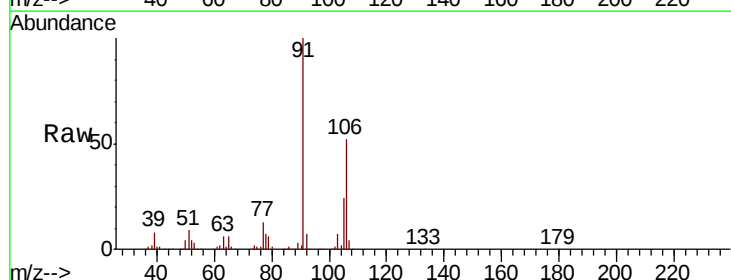
Manual Integrations
APPROVED

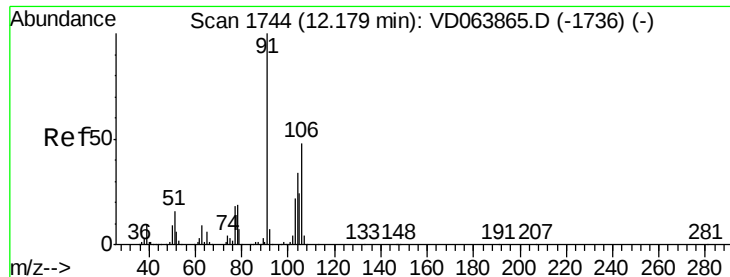
MMDadoda
10/10/2019 1:46:19 PM



#68
m/p-Xylenes
Concen: 112.359 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.8	154.8	232.2





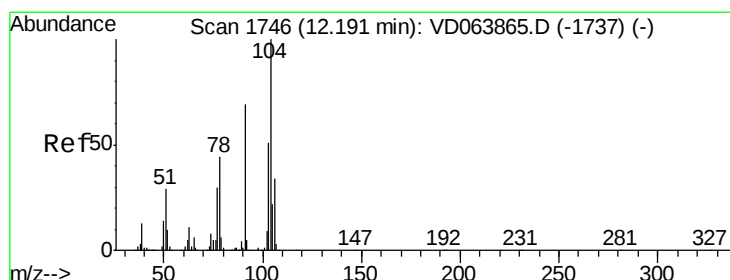
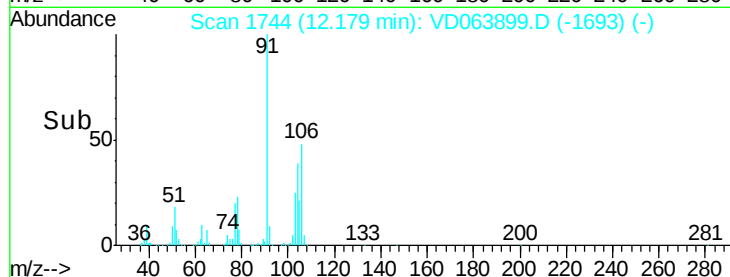
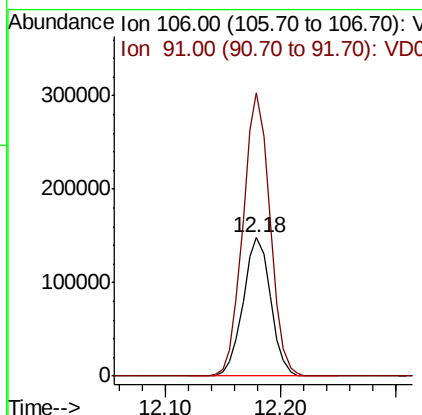
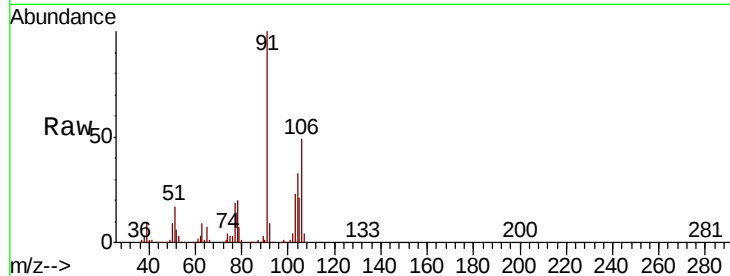
#69
o-Xylene
Concen: 55.092 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.6	103.9	311.7	

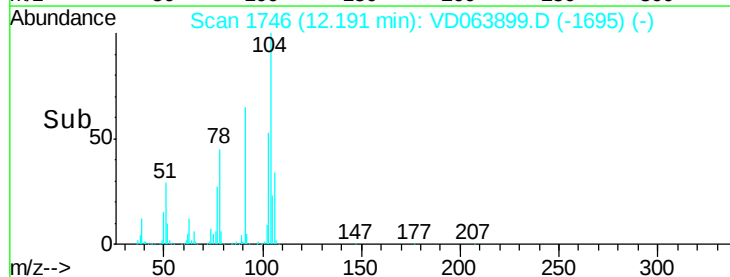
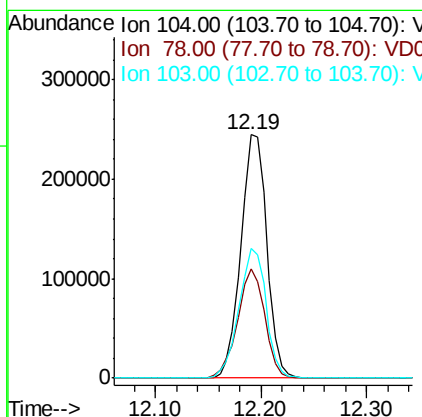
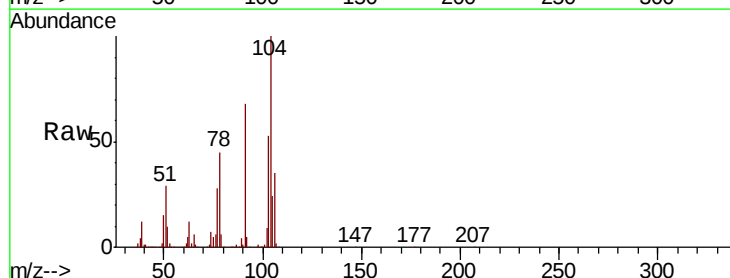
Manual Integrations
APPROVED

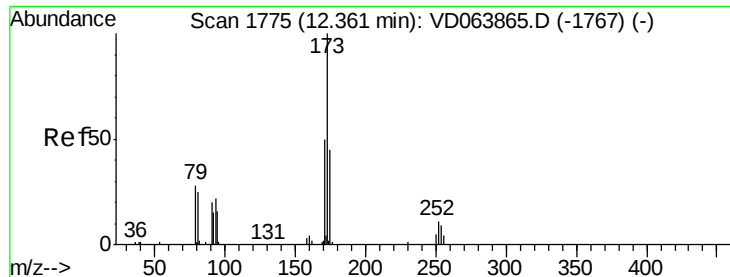
MMDadoda
10/10/2019 1:46:19 PM



#70
Styrene
Concen: 55.659 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.7	37.0	55.4	
103	55.6	44.2	66.4	





#71

Bromoform

Concen: 57.945 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 76398

Ion Ratio Lower Upper

173 100

175 52.1 24.6 74.0

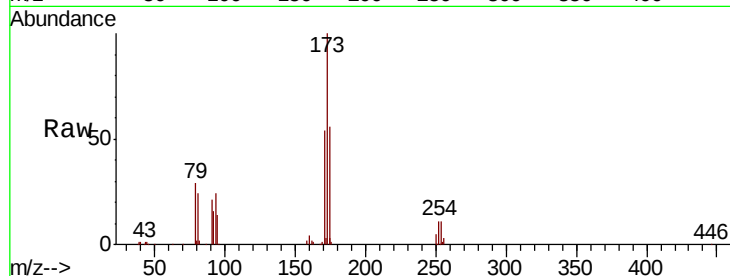
254 0.4 0.0 0.0#

Manual Integrations

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MMDadoda

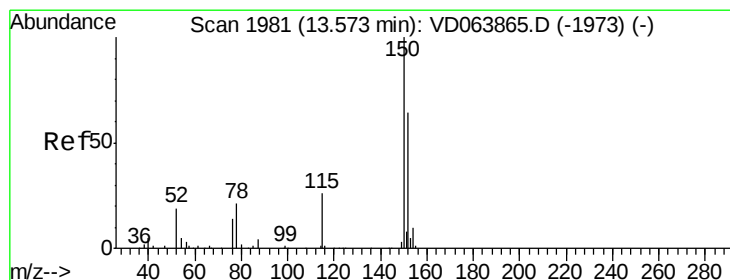
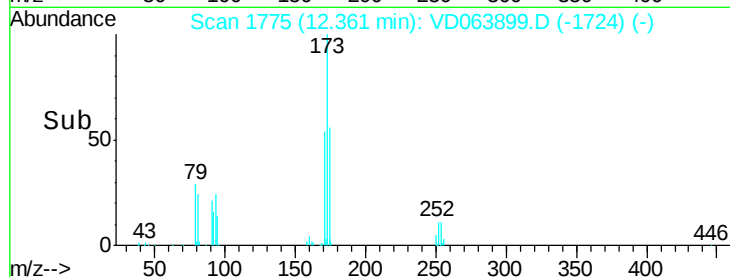
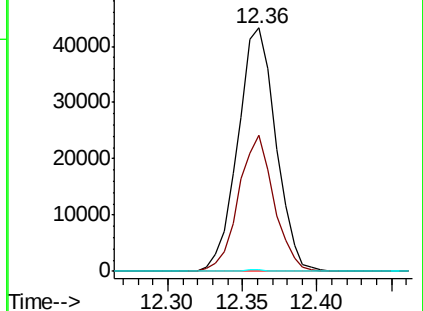
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

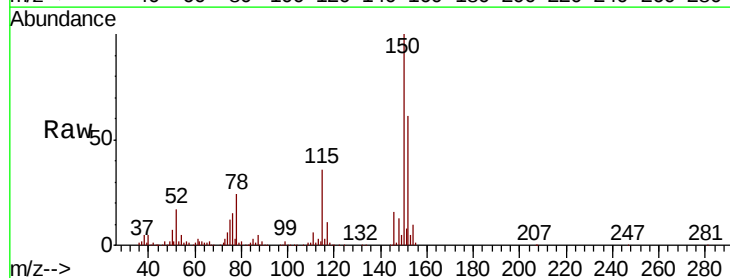
Tgt Ion:152 Resp: 180770

Ion Ratio Lower Upper

152 100

115 54.9 25.9 77.7

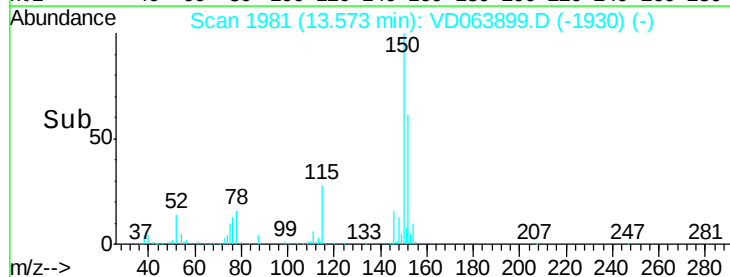
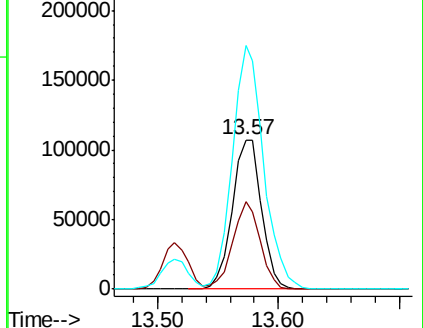
150 173.8 0.0 344.2

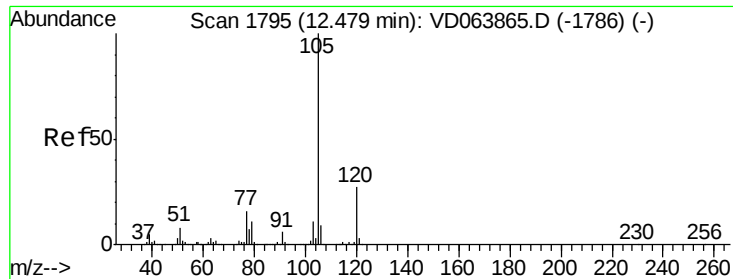


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





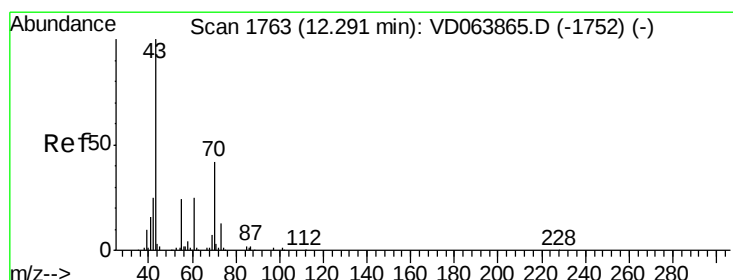
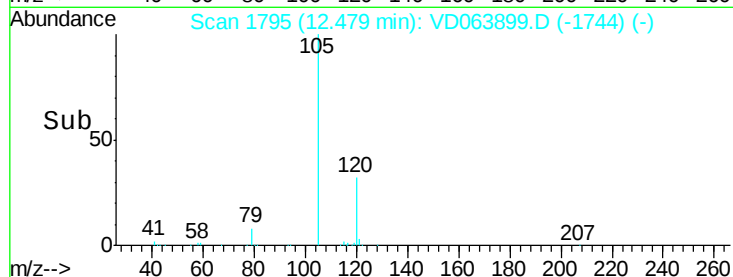
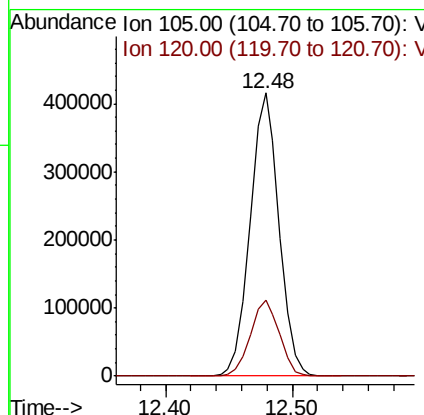
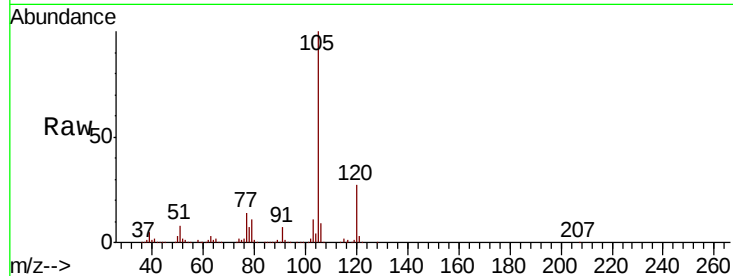
#73
Isopropylbenzene
Concen: 54.075 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.8

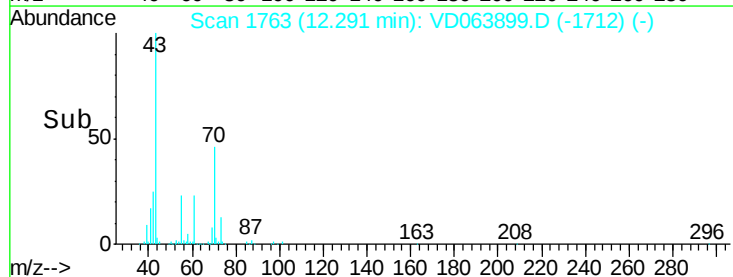
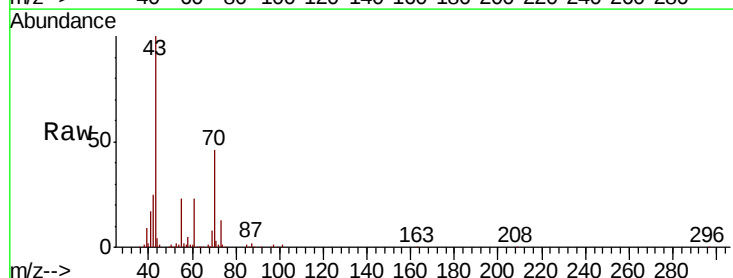
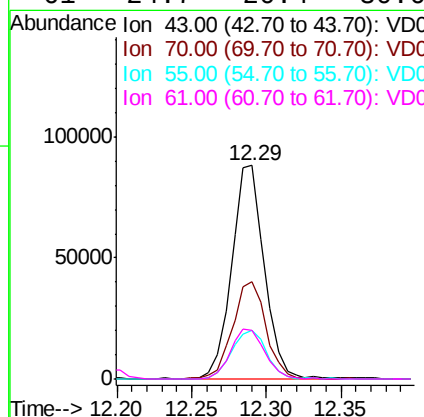
Manual Integrations
APPROVED

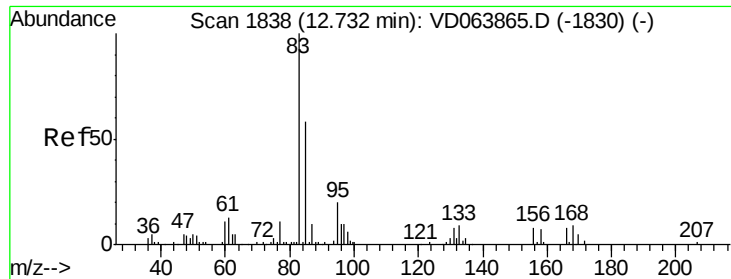
MMDadoda
10/10/2019 1:46:19 PM



#74
N-ethyl acetate
Concen: 51.614 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.6	35.8	53.6
55	24.8	19.4	29.0
61	24.7	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.109 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 110192

Ion Ratio Lower Upper

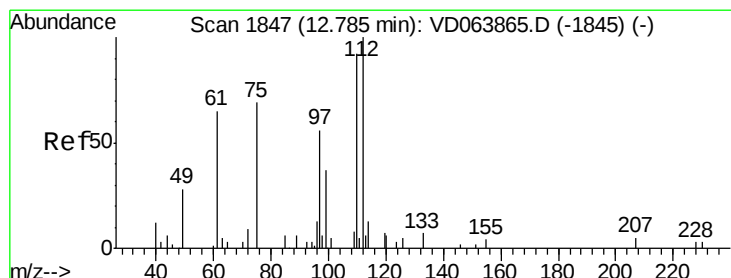
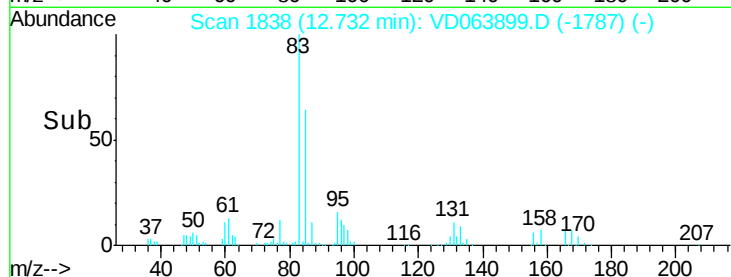
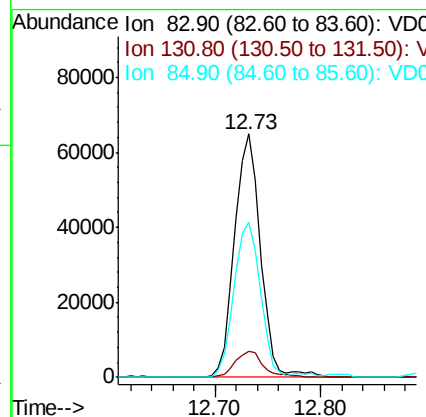
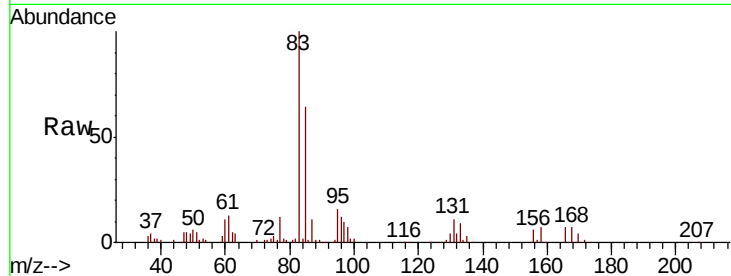
83 100

131 11.5 5.6 16.8

85 64.5 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.419 ug/l m

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD063899.D

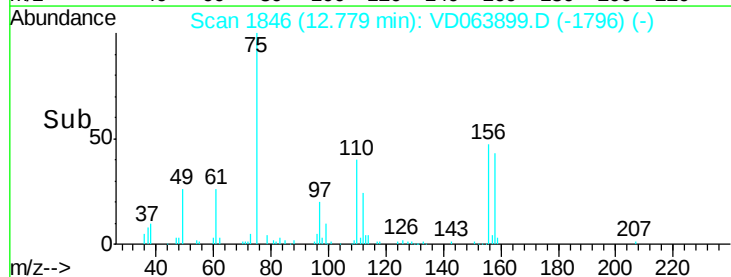
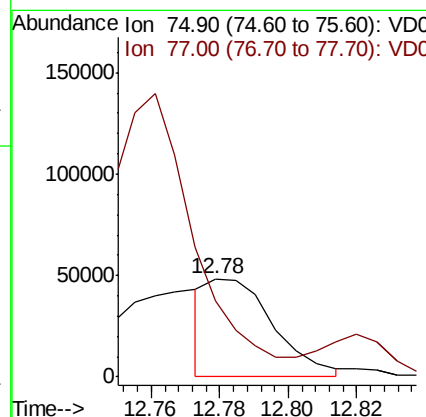
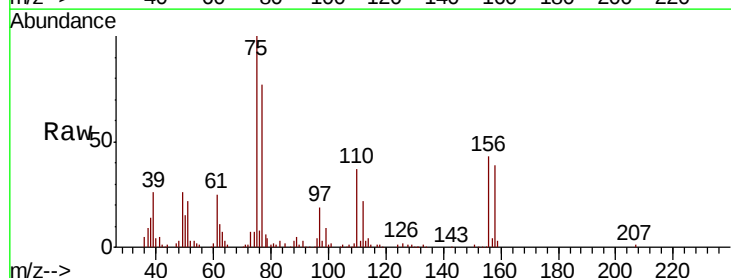
Acq: 07 Oct 2019 15:12

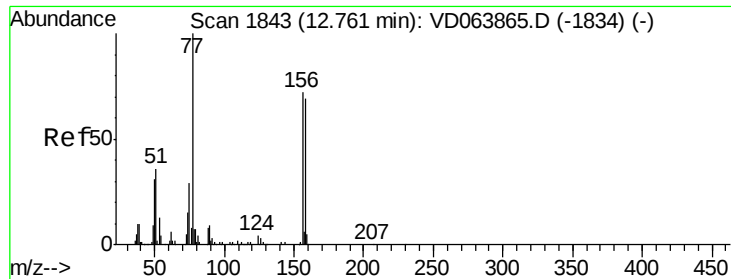
Tgt Ion: 75 Resp: 64677

Ion Ratio Lower Upper

75 100

77 393.6 0.0 0.0#





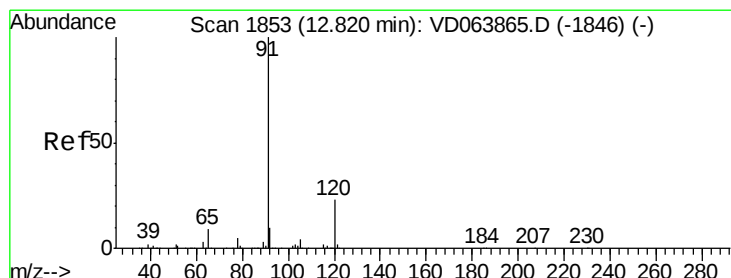
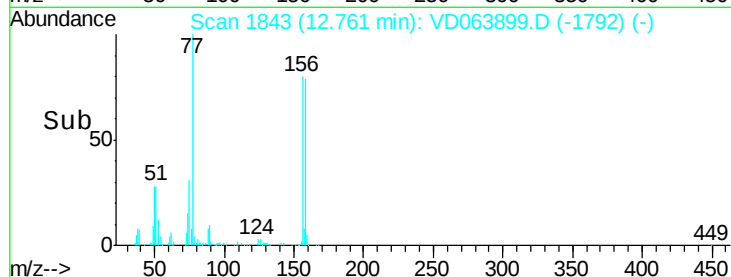
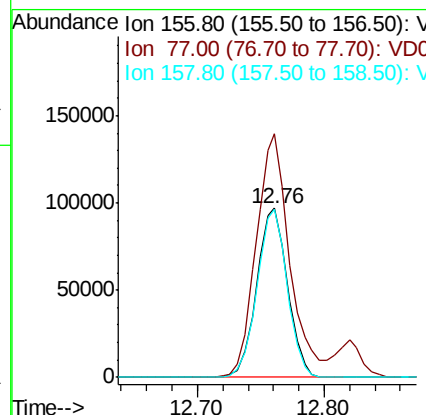
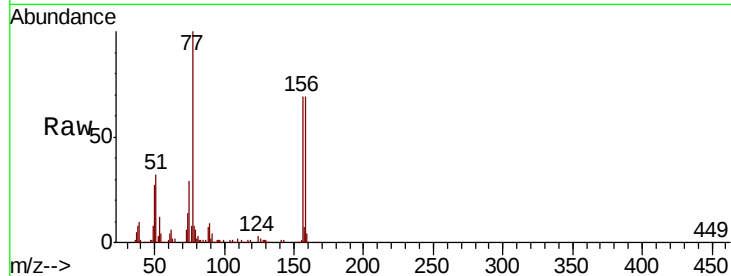
#77
Bromobenzene
Concen: 54.208 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.1	80.3	241.0
158	97.2	47.4	142.2

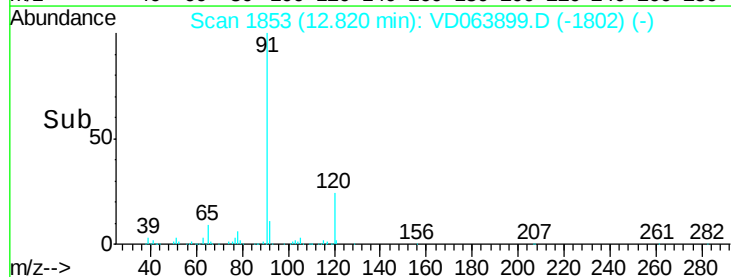
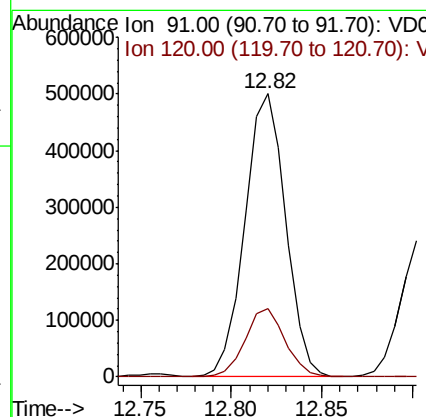
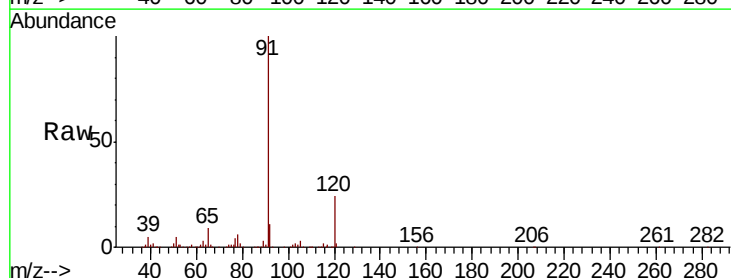
Manual Integrations
APPROVED

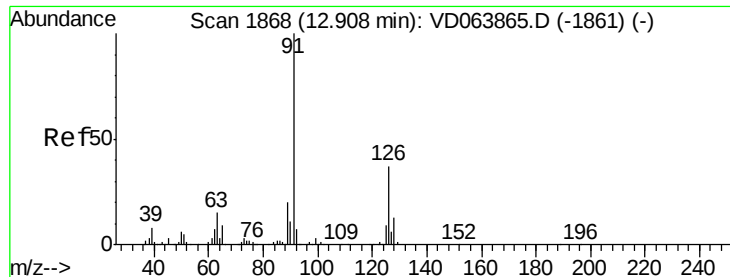
MMDadoda
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#78
n-propylbenzene
Concen: 54.835 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 53.322 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 419387

Ion Ratio Lower Upper

91 100

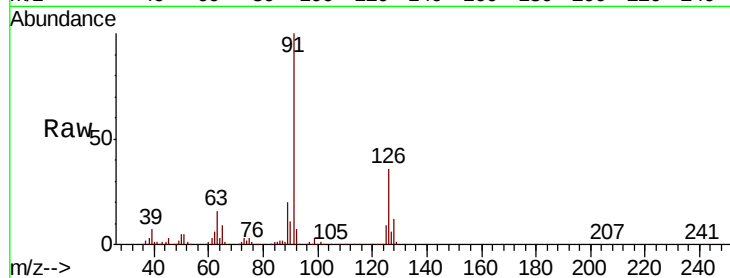
126 37.1 18.4 55.2

Manual Integrations

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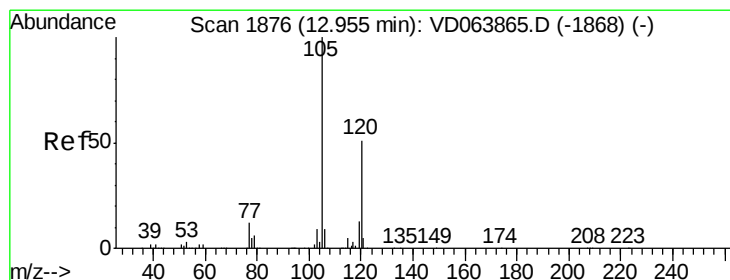
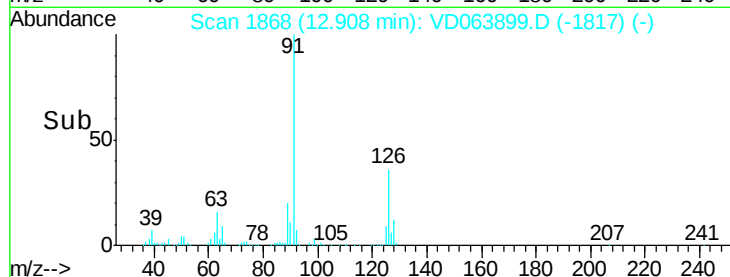
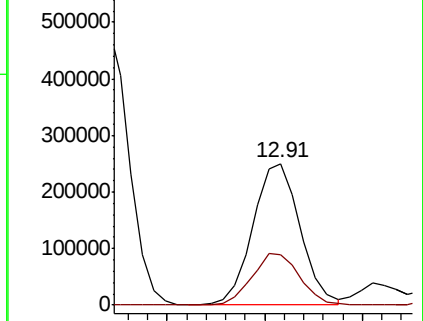
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.143 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063899.D

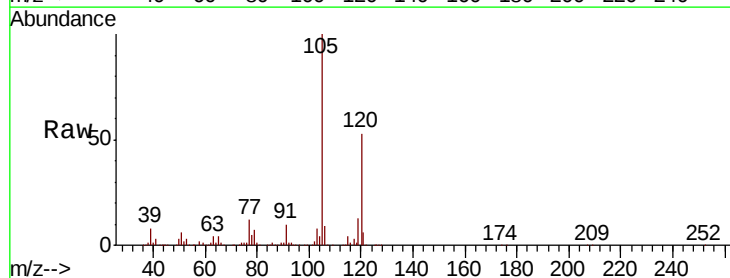
Acq: 07 Oct 2019 15:12

Tgt Ion:105 Resp: 559059

Ion Ratio Lower Upper

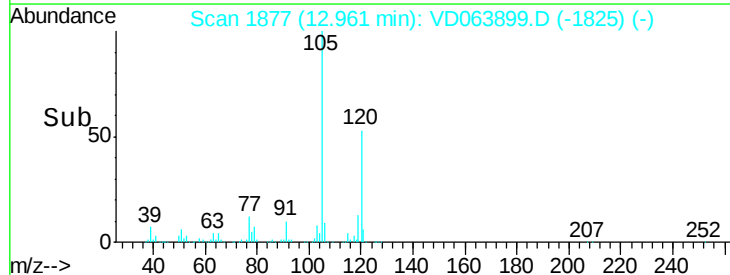
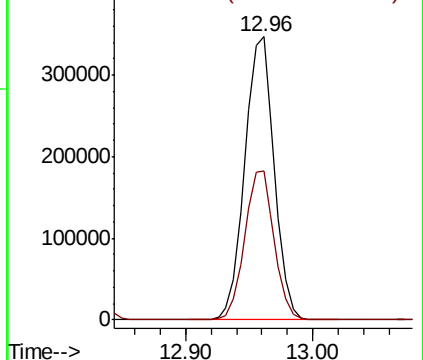
105 100

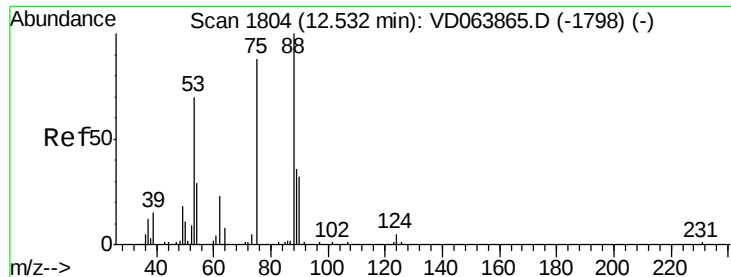
120 52.6 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.004 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 36265

Ion Ratio Lower Upper

75 100

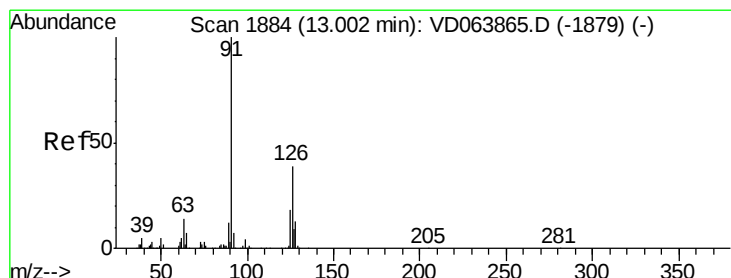
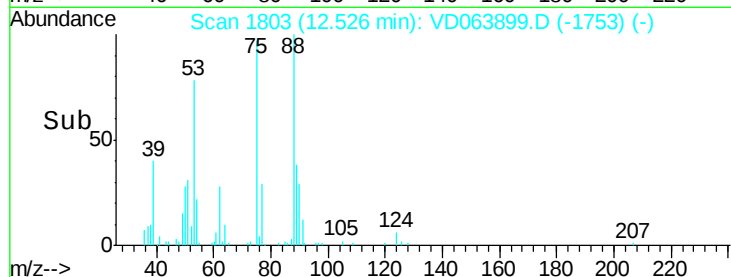
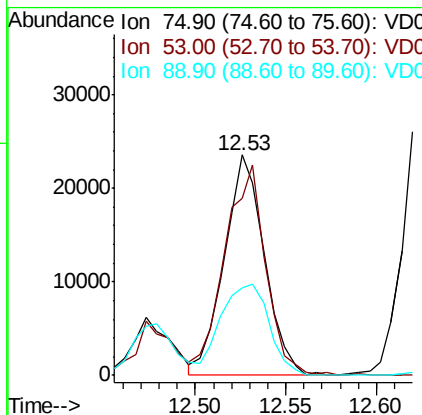
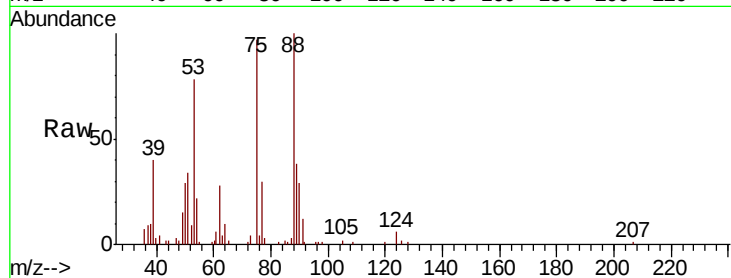
53 97.7 75.0 112.6

89 49.2 38.2 57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.164 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063899.D

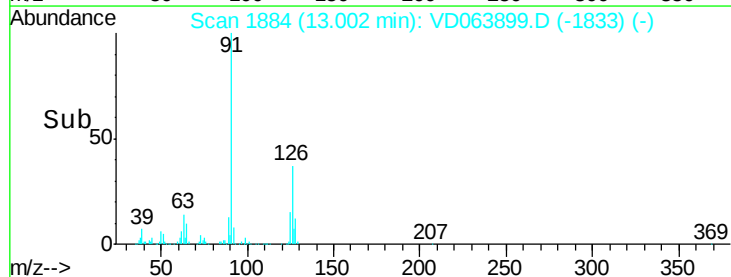
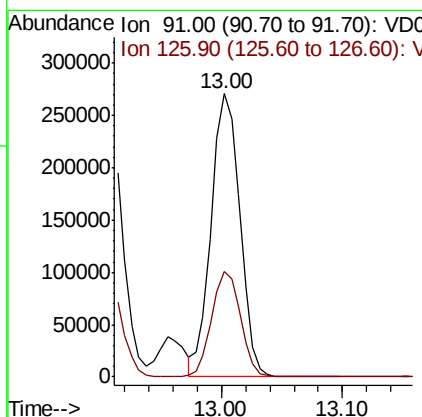
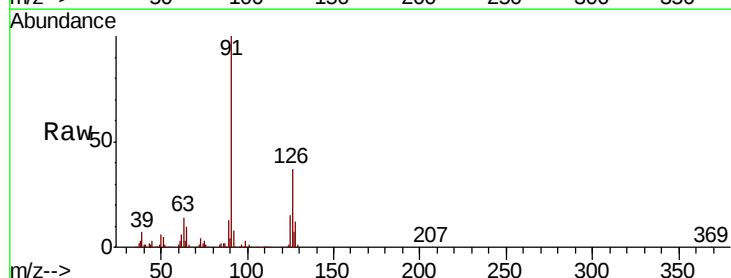
Acq: 07 Oct 2019 15:12

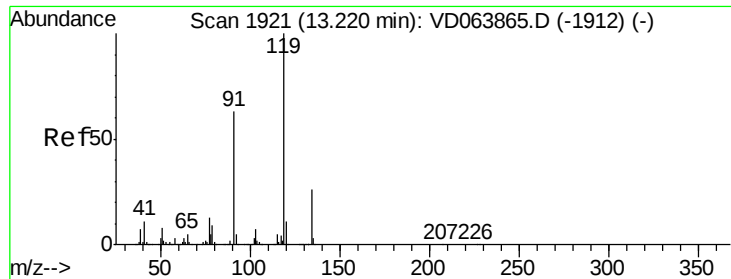
Tgt Ion: 91 Resp: 443572

Ion Ratio Lower Upper

91 100

126 37.5 18.6 55.8





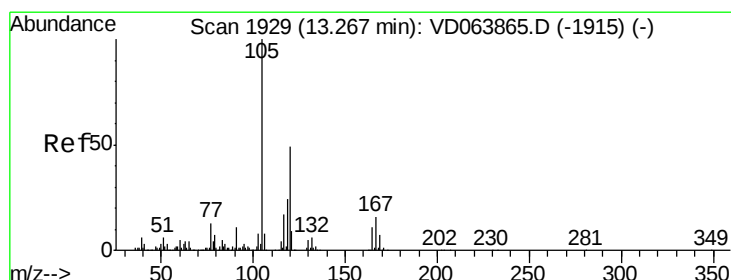
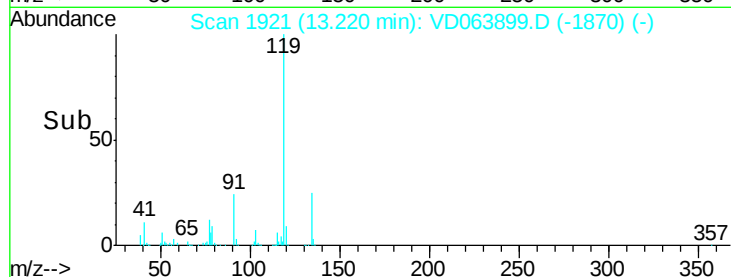
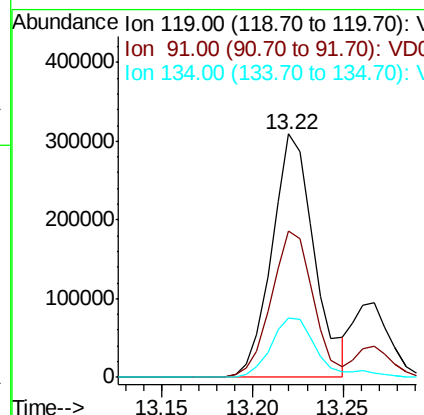
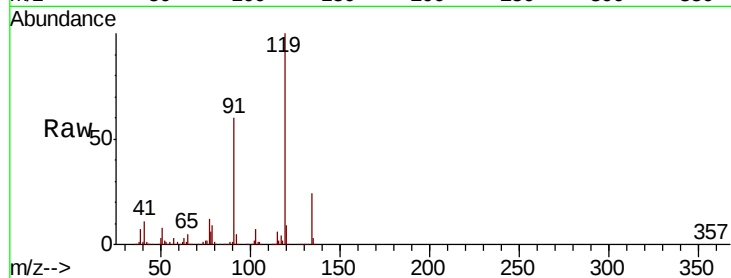
#83
tert-Butylbenzene
Concen: 55.665 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	502256		
91	59.6		30.0	90.0
134	27.1		13.0	38.9

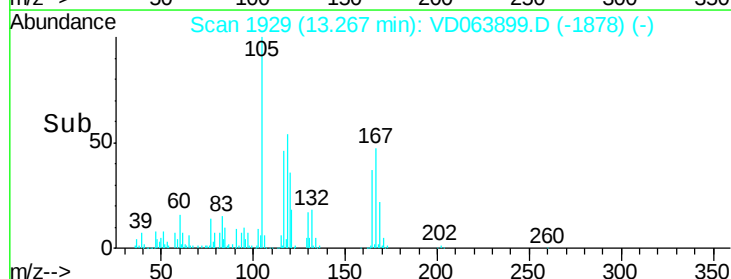
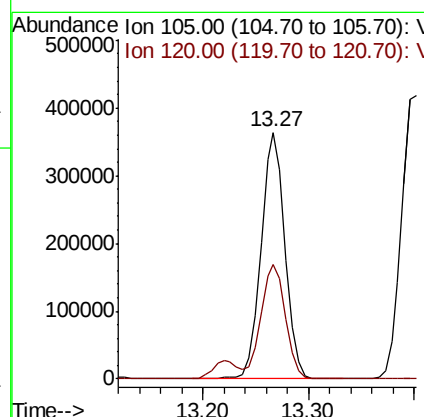
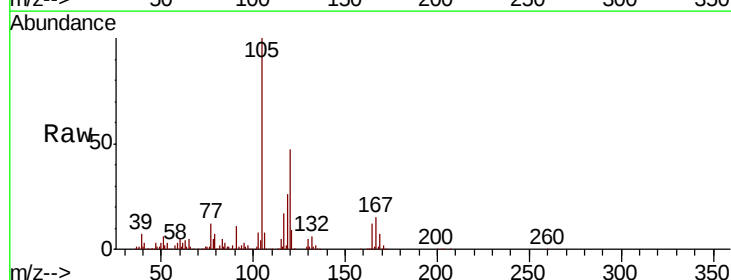
Manual Integrations
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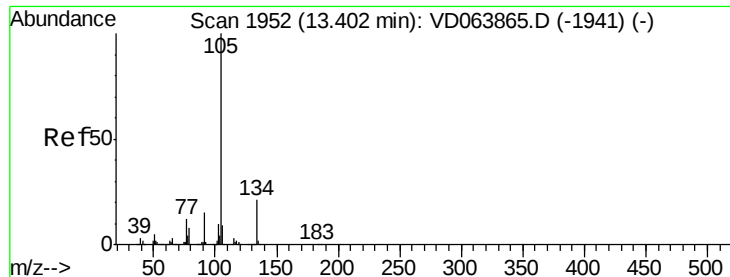
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.846 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	573240		
120	47.8		23.8	71.5





#85

sec-Butylbenzene

Concen: 55.594 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 677419

Ion Ratio Lower Upper

105 100

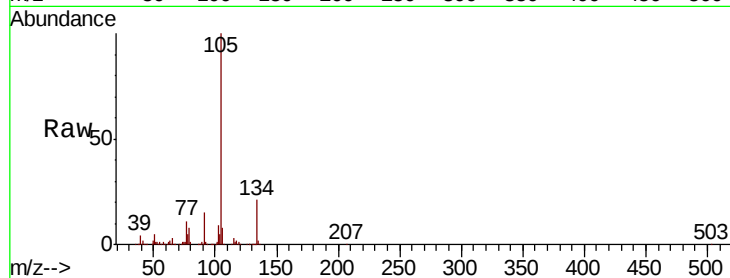
134 20.9 10.6 31.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

500000

400000

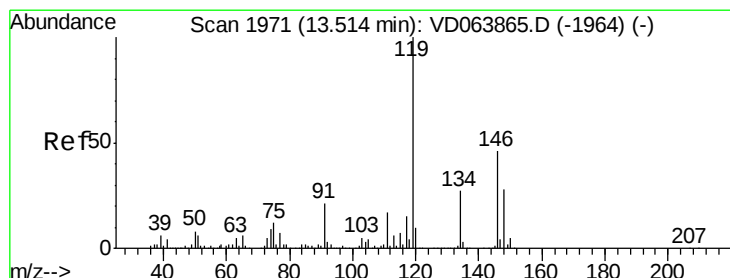
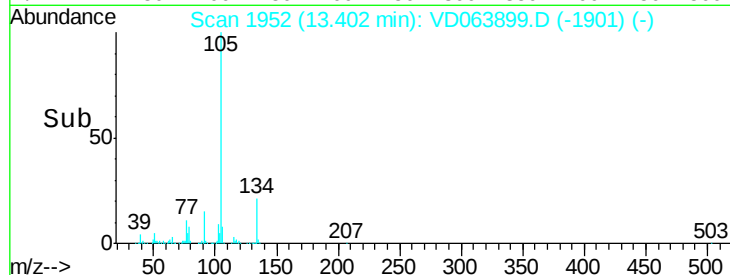
300000

200000

100000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 56.898 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

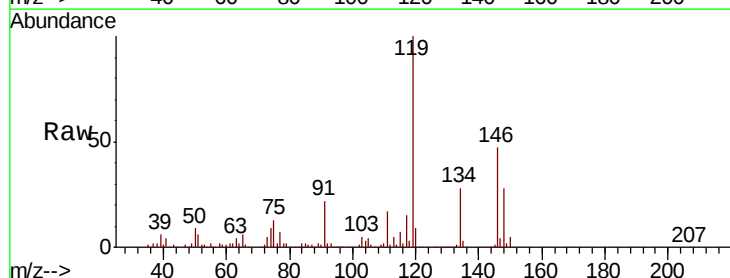
Tgt Ion:119 Resp: 656059

Ion Ratio Lower Upper

119 100

134 27.2 13.9 41.6

91 21.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

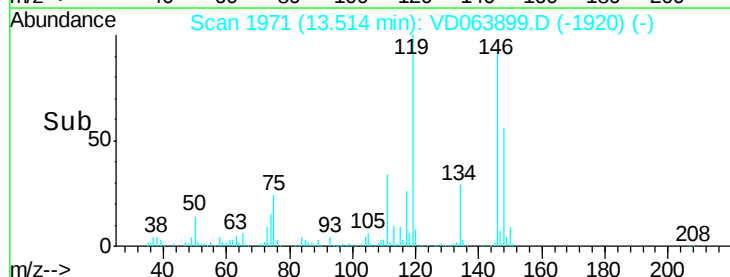
300000

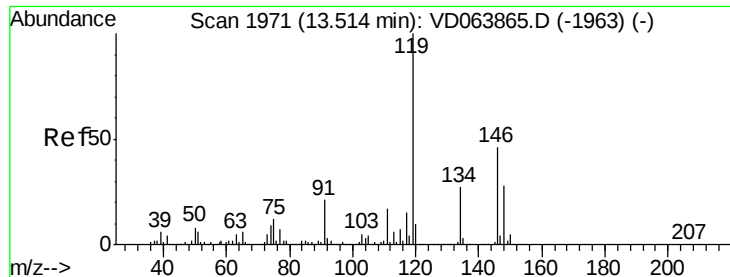
200000

100000

0

Time--> 13.40 13.50 13.60





#87

1,3-Dichlorobenzene

Concen: 55.310 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

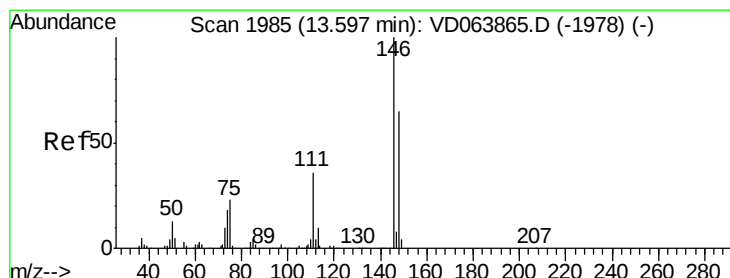
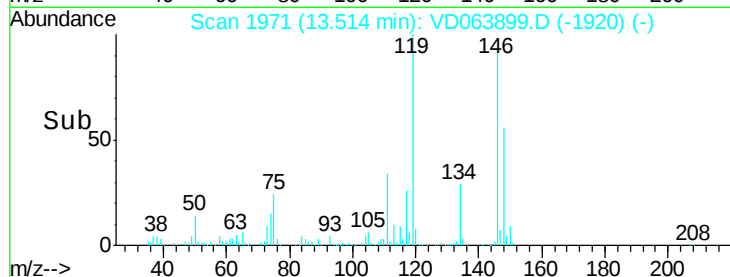
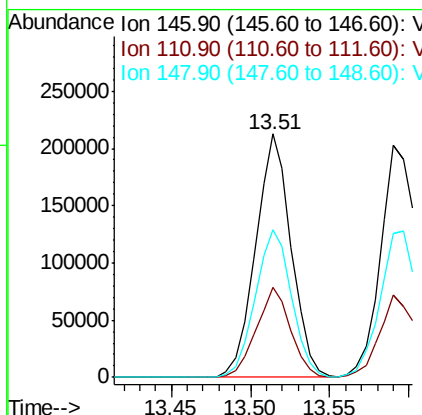
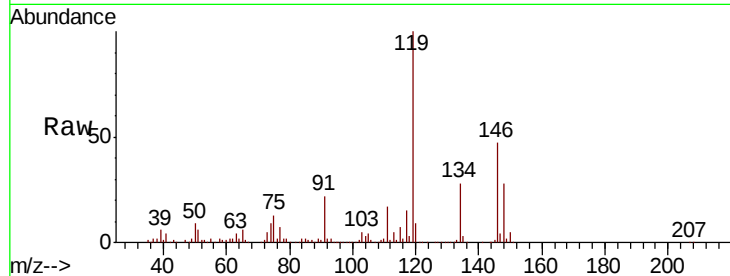
Instrument :
MSVOA_D

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.3	54.9
148	61.9	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.694 ug/l

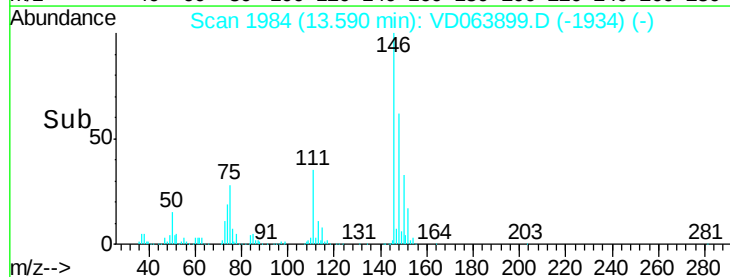
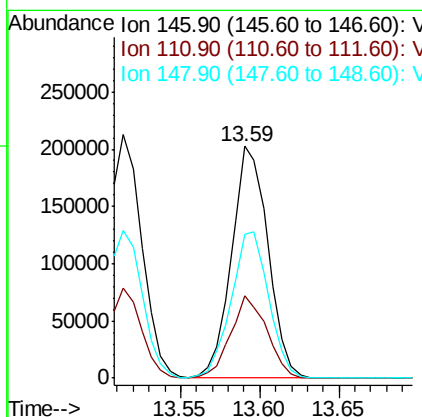
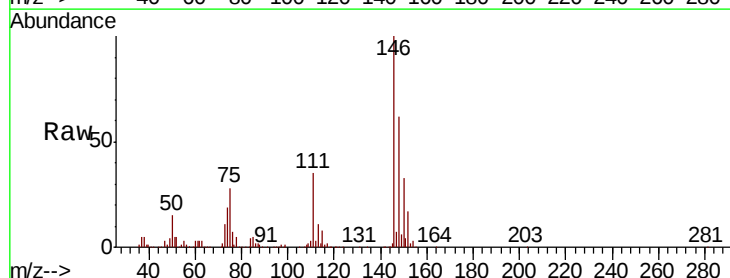
RT: 13.59 min Scan# 1984

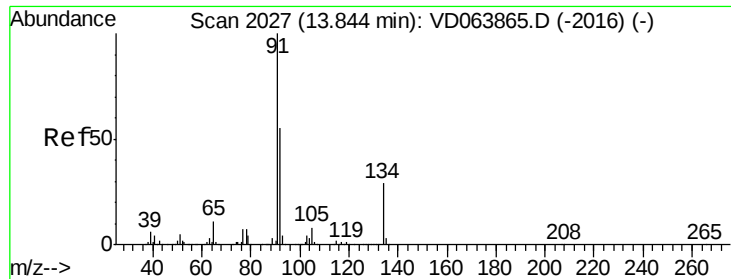
Delta R.T. -0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.6	56.0
148	65.1	32.6	98.0





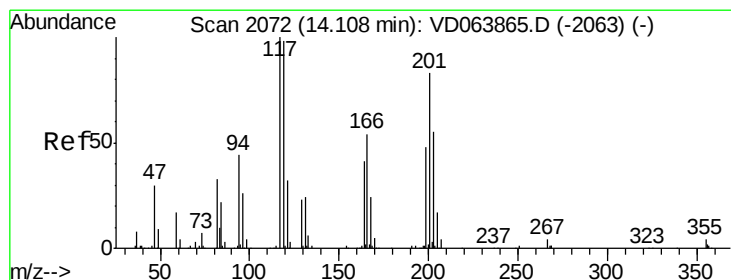
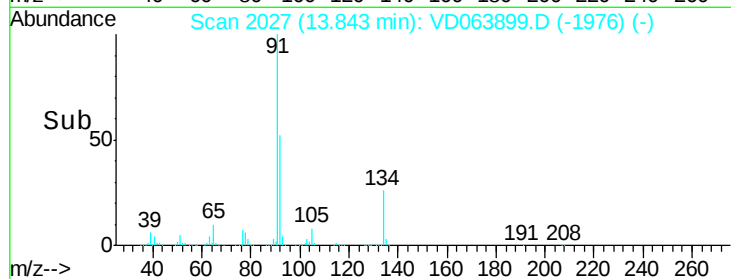
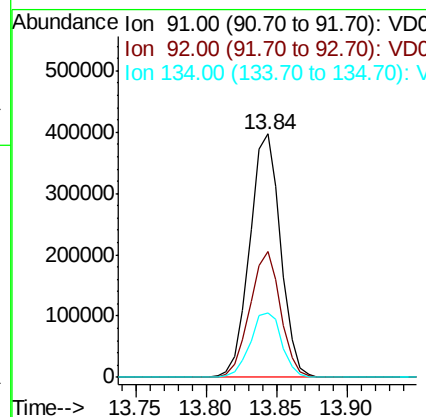
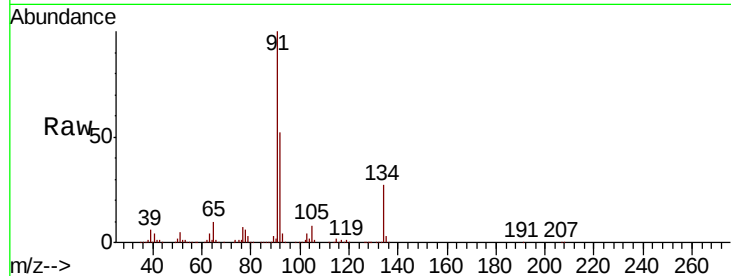
#89
n-Butylbenzene
Concen: 56.677 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		608307		
92	51.5	26.8	80.3		
134	27.4	14.4	43.0		

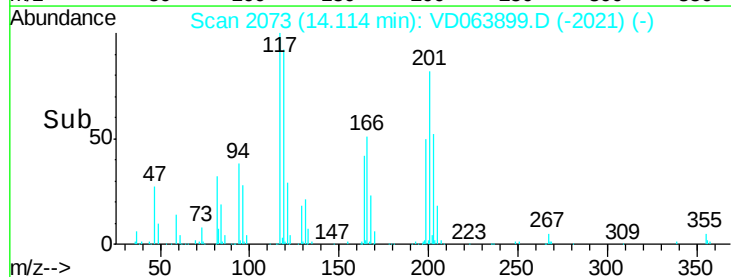
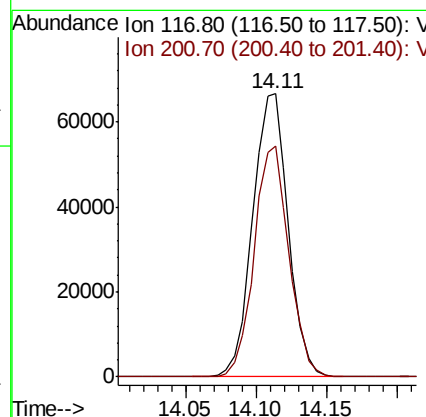
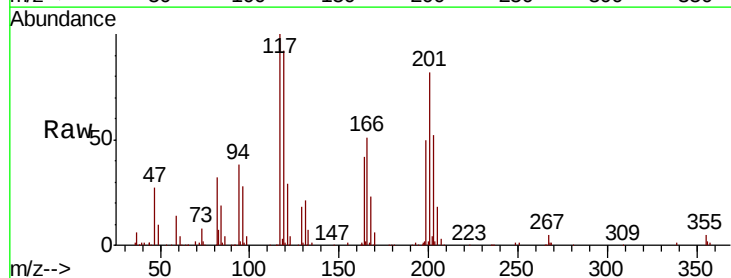
Manual Integrations
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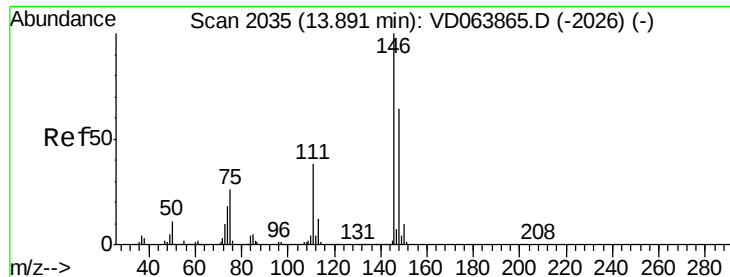
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#90
Hexachloroethane
Concen: 56.587 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063899.D
Acq: 07 Oct 2019 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		117350		
201	79.8	40.6	121.7		





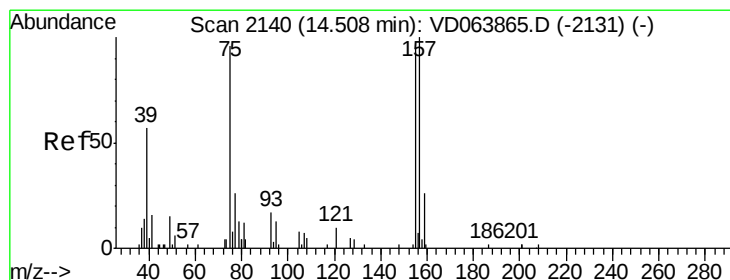
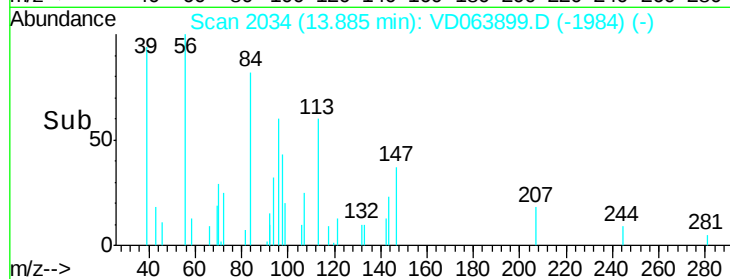
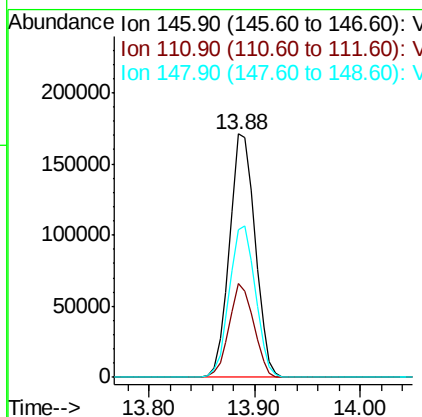
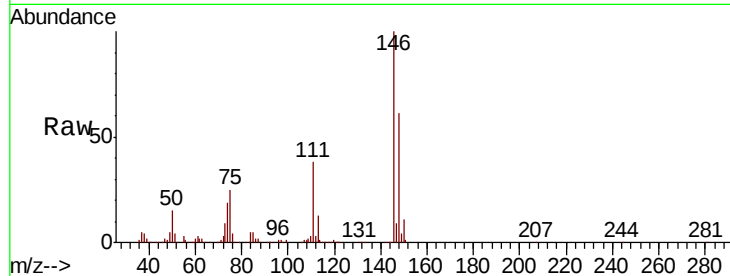
#91
 1,2-Dichlorobenzene
 Concen: 55.485 ug/l
 RT: 13.88 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	63.4	31.6	95.0

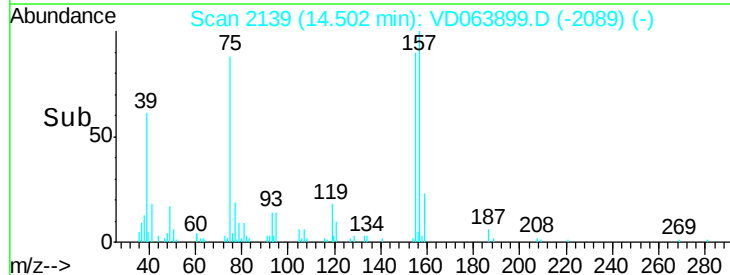
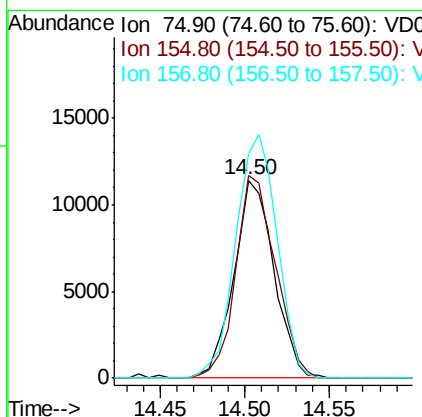
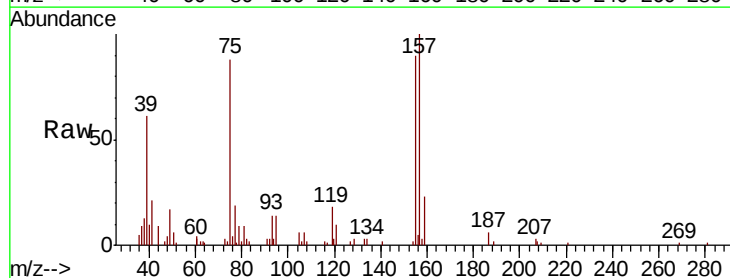
Manual Integrations
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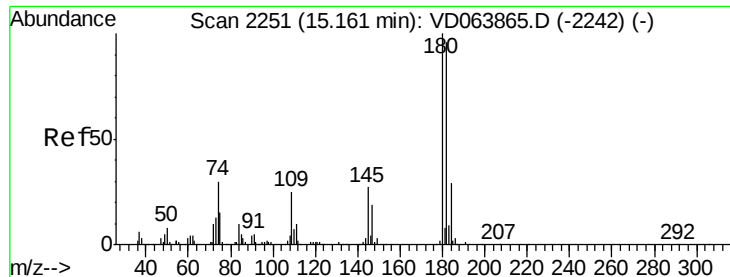
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.920 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	43.9	131.6
157	127.1	56.0	167.9





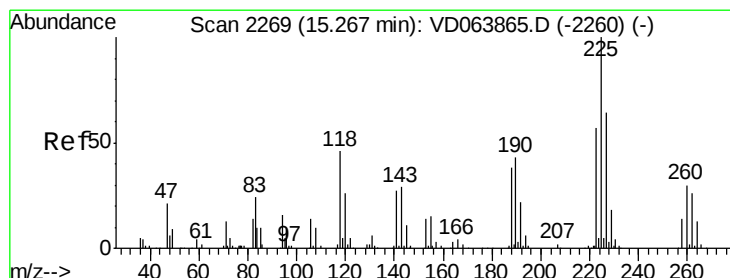
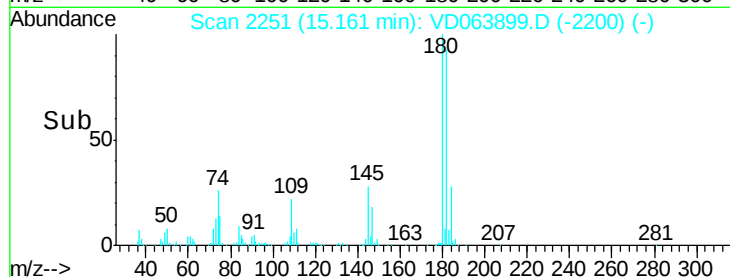
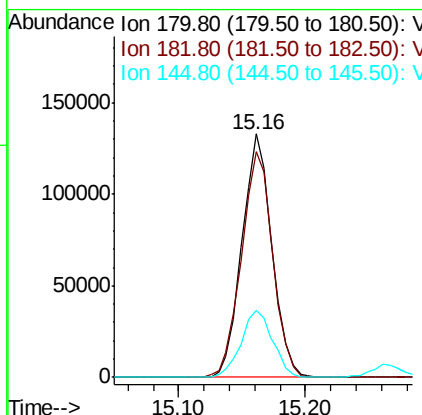
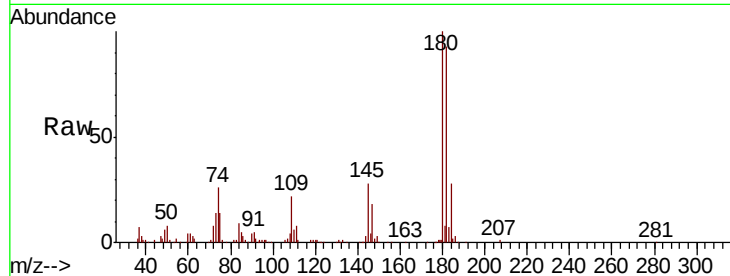
#93
 1,2,4-Trichlorobenzene
 Concen: 54.522 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	216887
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.4	142.3
145	29.2	13.9	41.7

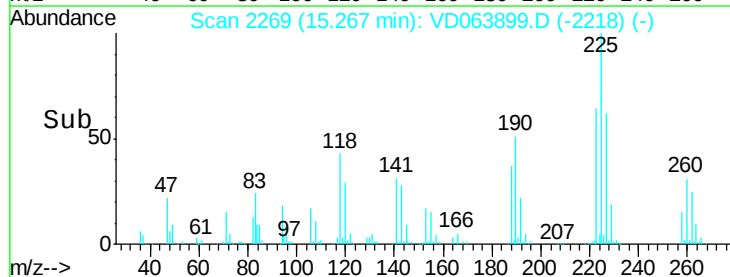
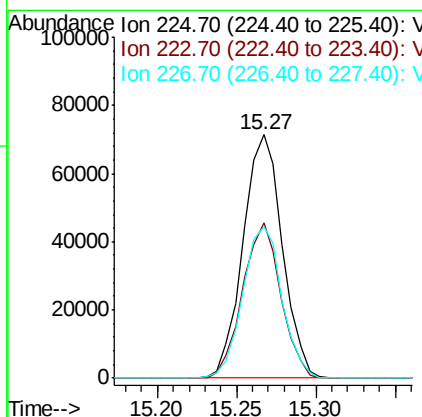
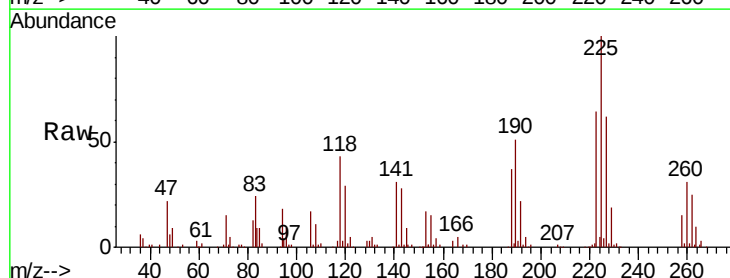
Manual Integrations
 APPROVED

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#94
 Hexachlorobutadiene
 Concen: 56.060 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063899.D
 Acq: 07 Oct 2019 15:12

Tgt Ion:	225	Resp:	123062
Ion Ratio	Lower	Upper	
225	100		
223	61.9	29.5	88.6
227	61.9	30.8	92.4





#95

Naphthalene

Concen: 56.736 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Instrument :

MSVOA_D

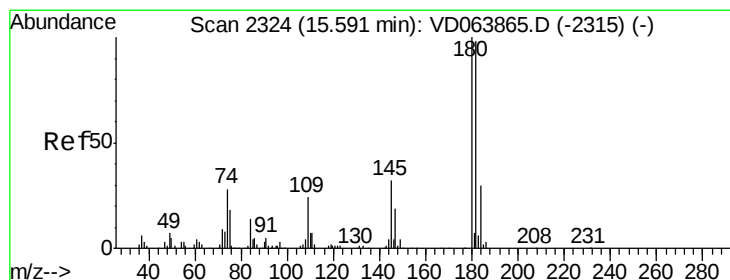
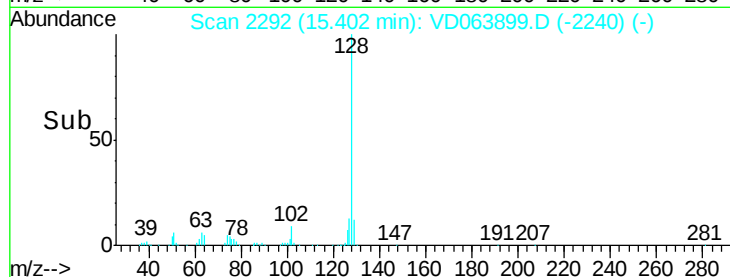
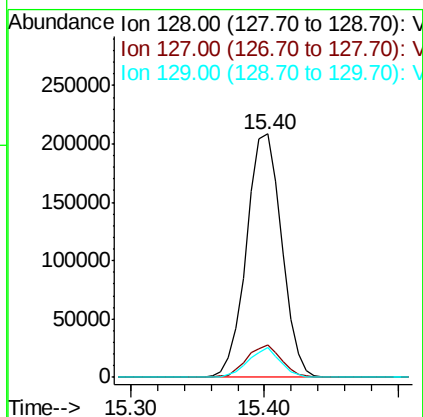
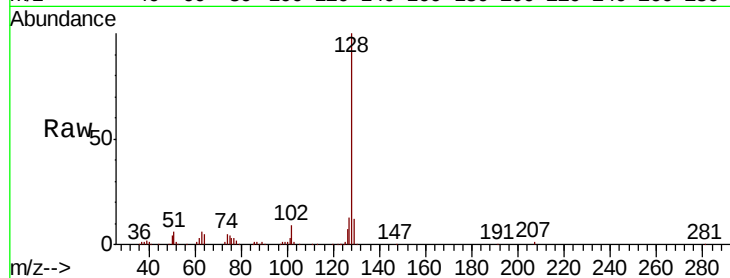
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	379341
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 57.157 ug/l

RT: 15.59 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VD063899.D

Acq: 07 Oct 2019 15:12

Tgt Ion:	180	Resp:	196173
Ion Ratio	Lower	Upper	
180	100		
182	90.9	47.0	141.0
145	29.3	15.3	45.9

