

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063828.D
 Acq On : 25 Sep 2019 17:53
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 9:26:06 AM

Quant Time: Sep 26 11:56:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	237233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	378055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	357425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	182001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.35	65	45450	20.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.70%	
35) Dibromofluoromethane	7.94	113	49583	20.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.32%	
50) Toluene-d8	10.36	98	172965	19.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.30%	
62) 4-Bromofluorobenzene	12.64	95	69964	21.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	34437	21.166	ug/l	97
3) Chloromethane	2.22	50	112327	22.782	ug/l	99
4) Vinyl Chloride	2.36	62	112180	22.294	ug/l	95
5) Bromomethane	2.77	94	59849	20.329	ug/l	99
6) Chloroethane	2.93	64	69255	19.985	ug/l	90
7) Trichlorofluoromethane	3.29	101	146528	21.659	ug/l	89
8) Diethyl Ether	3.73	74	23260	21.086	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.11	101	41737	20.797	ug/l	97
10) Methyl Iodide	4.31	142	47881	19.984	ug/l	98
11) Tert butyl alcohol	5.28	59	17118	98.909	ug/l #	85
12) 1,1-Dichloroethene	4.08	96	41981	20.723	ug/l	98
13) Acrolein	3.94	56	20474	97.169	ug/l	88
14) Allyl chloride	4.73	41	67786	21.169	ug/l	94
15) Acrylonitrile	5.46	53	49950	102.500	ug/l	97
16) Acetone	4.20	43	51223	102.155	ug/l #	89
17) Carbon Disulfide	4.42	76	145684	21.274	ug/l	99
18) Methyl Acetate	4.76	43	27004	21.873	ug/l	97
19) Methyl tert-butyl Ether	5.51	73	104660	20.636	ug/l	98
20) Methylene Chloride	4.99	84	61208	20.288	ug/l	97
21) trans-1,2-Dichloroethene	5.49	96	48135	20.414	ug/l	97
22) Diisopropyl ether	6.40	45	137033	20.720	ug/l	97
23) Vinyl Acetate	6.34	43	406607	103.947	ug/l	97
24) 1,1-Dichloroethane	6.29	63	84952	21.143	ug/l	95
25) 2-Butanone	7.25	43	66980	102.178	ug/l	93
26) 2,2-Dichloropropane	7.24	77	77431	20.607	ug/l	95
27) cis-1,2-Dichloroethene	7.23	96	54049	20.428	ug/l	96
28) Bromochloromethane	7.57	49	29630	18.793	ug/l #	95
29) Tetrahydrofuran	7.60	42	41681	106.117	ug/l	94
30) Chloroform	7.73	83	91228	20.904	ug/l	100
31) Cyclohexane	8.00	56	82864	20.660	ug/l #	95
32) 1,1,1-Trichloroethane	7.93	97	84284	21.359	ug/l	93
36) 1,1-Dichloropropene	8.13	75	71319	20.682	ug/l	100
37) Ethyl Acetate	7.33	43	29232	20.297	ug/l	97
38) Carbon Tetrachloride	8.12	117	71011	19.785	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	87399	20.354	ug/l	98
40) Benzene	8.37	78	194144	20.443	ug/l	100
41) Methacrylonitrile	7.55	41	15401	18.106	ug/l	95
42) 1,2-Dichloroethane	8.44	62	57130	20.572	ug/l	99
43) Isopropyl Acetate	8.48	43	60521	20.962	ug/l	97
44) Trichloroethene	9.13	130	55859	20.310	ug/l	84
45) 1,2-Dichloropropane	9.40	63	48110	20.507	ug/l	92
46) Dibromomethane	9.49	93	26864	20.288	ug/l	97
47) Bromodichloromethane	9.68	83	70169	20.557	ug/l	97
48) Methyl methacrylate	9.47	41	28301	21.551	ug/l	97
49) 1,4-Dioxane	9.48	88	7568	409.704	ug/l	97
51) 4-Methyl-2-Pentanone	10.25	43	150026	103.144	ug/l	99
52) Toluene	10.42	92	128290	19.923	ug/l	95
53) t-1,3-Dichloropropene	10.64	75	68838	20.346	ug/l	100
54) cis-1,3-Dichloropropene	10.11	75	80188	20.879	ug/l	99
55) 1,1,2-Trichloroethane	10.82	97	38888	20.785	ug/l #	92
56) Ethyl methacrylate	10.67	69	47867	20.129	ug/l	94
57) 1,3-Dichloropropane	10.96	76	64921	20.422	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.96	63	113573	106.856	ug/l	99
59) 2-Hexanone	11.00	43	107740	103.815	ug/l	98
60) Dibromochloromethane	11.16	129	49786	20.164	ug/l	100
61) 1,2-Dibromoethane	11.26	107	37501	20.050	ug/l	100
64) Tetrachloroethene	10.89	164	49193	20.432	ug/l	96
65) Chlorobenzene	11.68	112	147421	20.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.76	131	53972	20.426	ug/l	98
67) Ethyl Benzene	11.76	91	266822	20.545	ug/l	96
68) m/p-Xylenes	11.87	106	204125	40.929	ug/l	99
69) o-Xylene	12.19	106	97820	20.781	ug/l	97
70) Styrene	12.21	104	164192	20.610	ug/l	99
71) Bromoform	12.37	173	29349	19.995	ug/l #	99
73) Isopropylbenzene	12.49	105	259391	20.866	ug/l	99
74) N-amyl acetate	12.30	43	59142	21.733	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	45056	21.744	ug/l	98
76) 1,2,3-Trichloropropane	12.80	75	29783m	25.803	ug/l	
77) Bromobenzene	12.77	156	61451	20.569	ug/l	97
78) n-propylbenzene	12.83	91	310914	21.259	ug/l	97
79) 2-Chlorotoluene	12.92	91	166536	21.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	216315	20.874	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	15063	21.799	ug/l	95
82) 4-Chlorotoluene	13.02	91	179584	21.341	ug/l	99
83) tert-Butylbenzene	13.24	119	187947	20.756	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	215978	20.529	ug/l	100
85) sec-Butylbenzene	13.41	105	260321	20.661	ug/l	100
86) p-Isopropyltoluene	13.53	119	243711	20.595	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	120825	20.598	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	122063	20.923	ug/l	98
89) n-Butylbenzene	13.86	91	236829	21.028	ug/l	98
90) Hexachloroethane	14.13	117	45141	20.595	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	107565	21.378	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7694	22.007	ug/l	87

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VSTDICC020

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	74356	19.460	ug/l	90
94) Hexachlorobutadiene	15.28	225	43641	20.158	ug/l	100
95) Naphthalene	15.41	128	142574	20.778	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	68113	20.107	ug/l	98

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

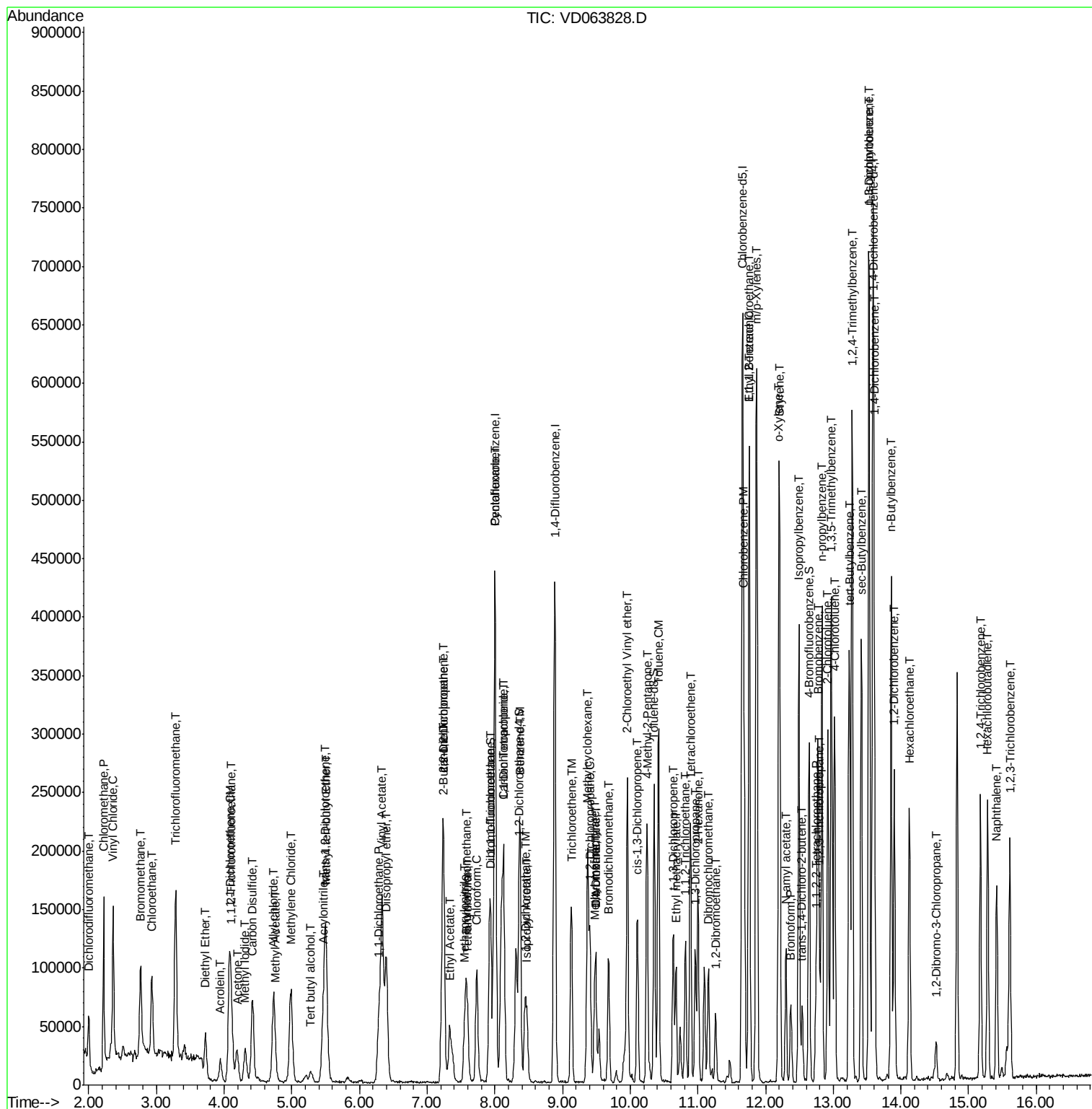
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092519\
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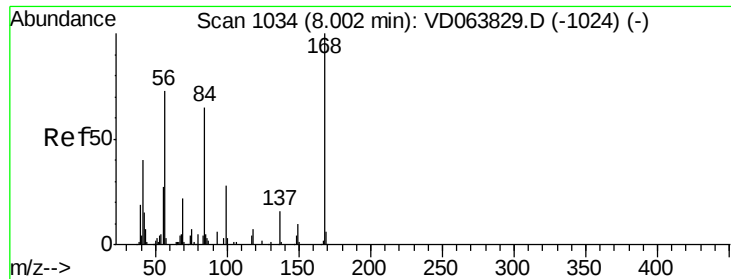
Instrument :
MSVOA_D
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 237233

Ion Ratio Lower Upper

168 100

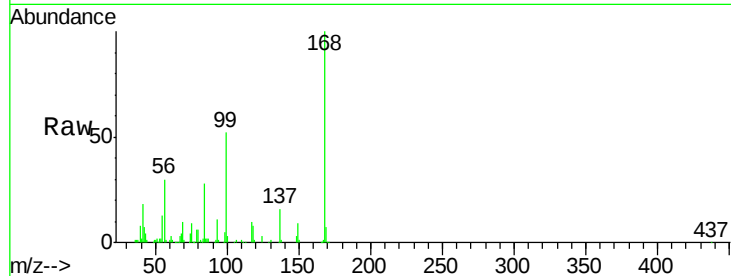
99 51.5 41.2 61.8

Manual Integrations

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10/1/2019 9:26:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.00

100000

80000

60000

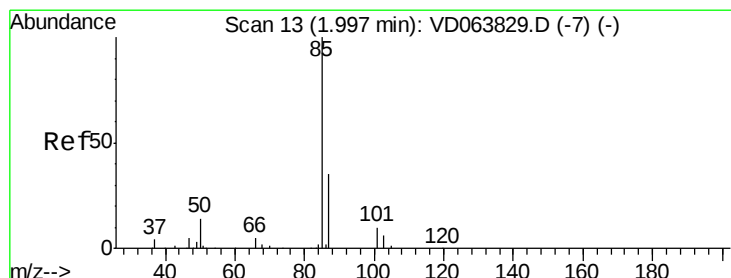
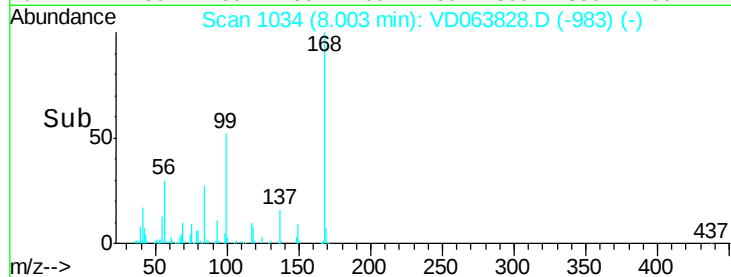
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.166 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063828.D

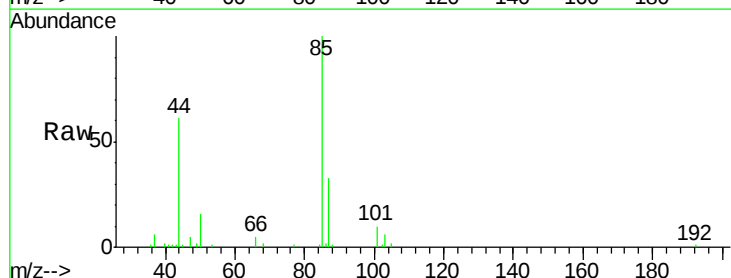
Acq: 25 Sep 2019 17:53

Tgt Ion: 85 Resp: 34437

Ion Ratio Lower Upper

85 100

87 32.8 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

25000

20000

15000

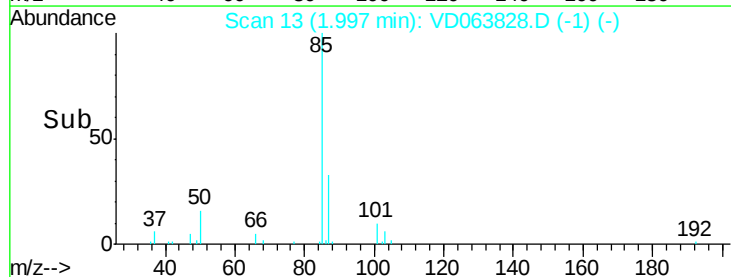
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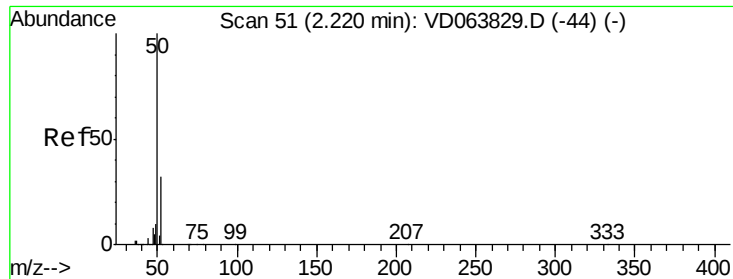
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.782 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 112327

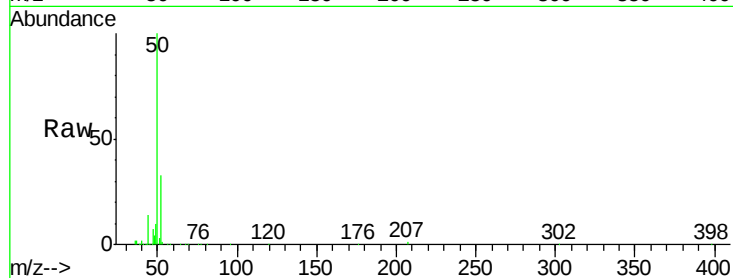
Ion Ratio Lower Upper

50 100

52 32.5 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.22

100000

80000

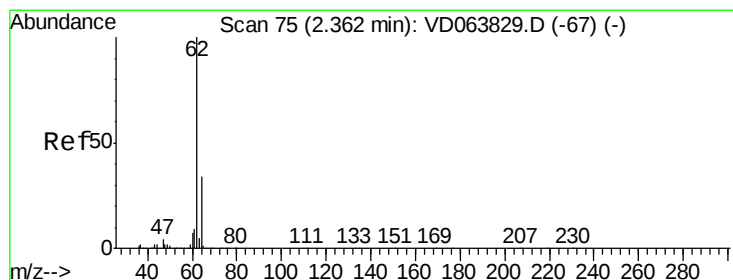
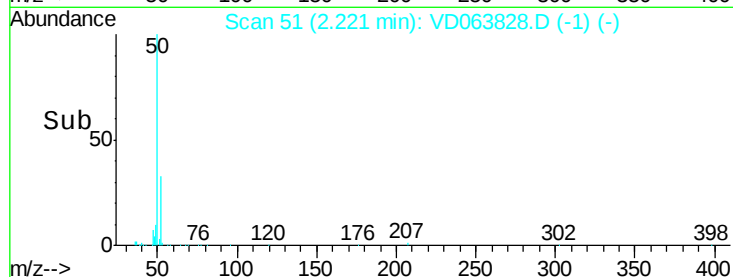
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 22.294 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063828.D

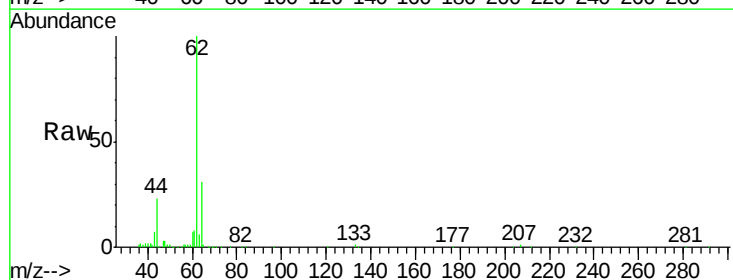
Acq: 25 Sep 2019 17:53

Tgt Ion: 62 Resp: 112180

Ion Ratio Lower Upper

62 100

64 31.2 27.1 40.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

80000

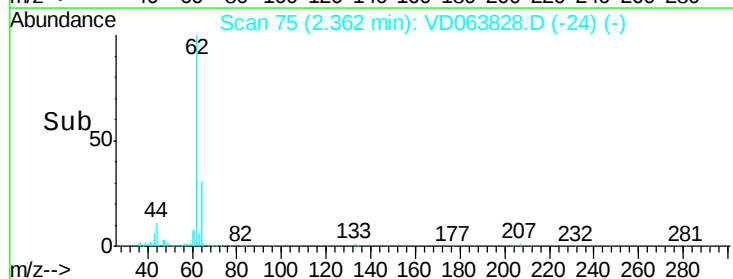
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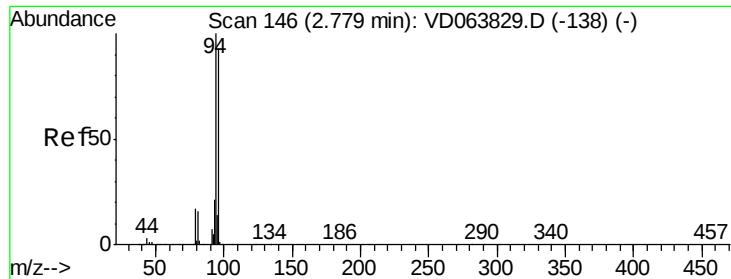
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20000

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Time-->





#5

Bromomethane

Concen: 20.329 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 59849

Ion Ratio Lower Upper

94 100

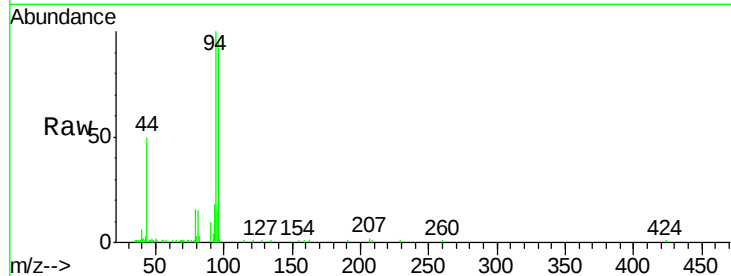
96 93.5 74.2 111.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

30000

25000

20000

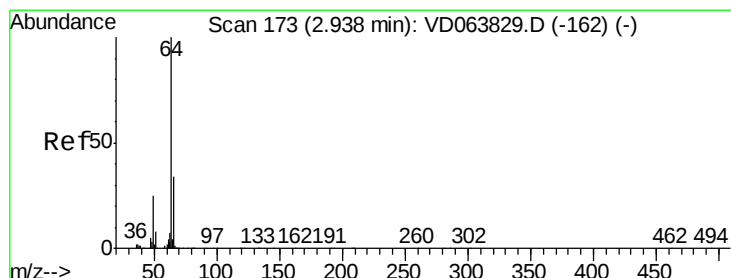
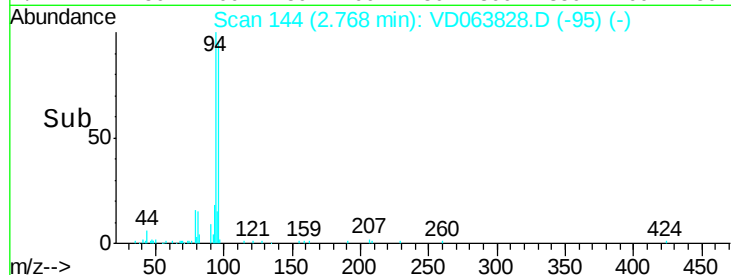
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.985 ug/l

RT: 2.93 min Scan# 172

Delta R.T. -0.01 min

Lab File: VD063828.D

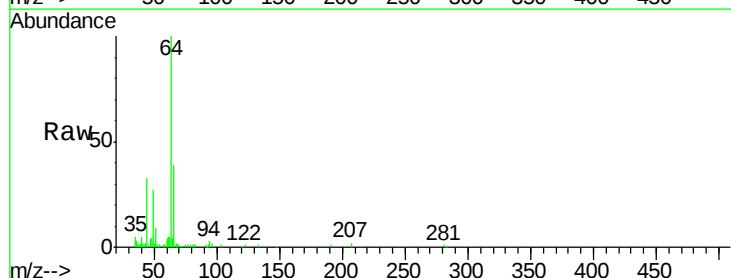
Acq: 25 Sep 2019 17:53

Tgt Ion: 64 Resp: 69255

Ion Ratio Lower Upper

64 100

66 39.4 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

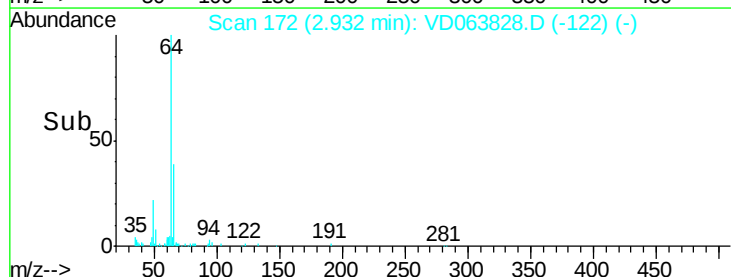
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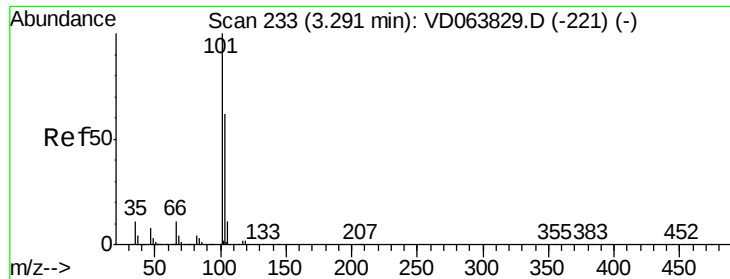
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Time-->





#7

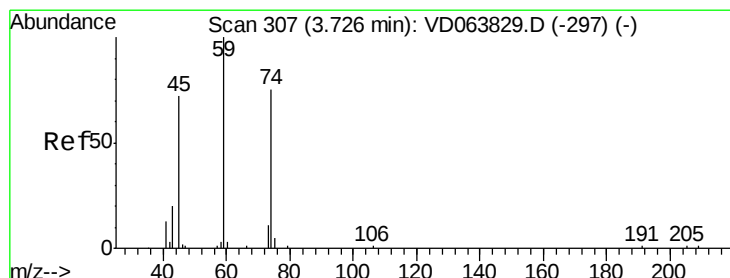
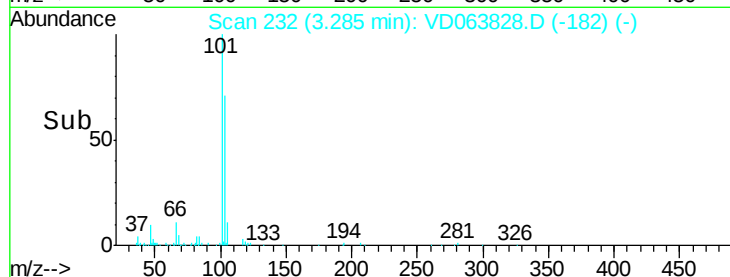
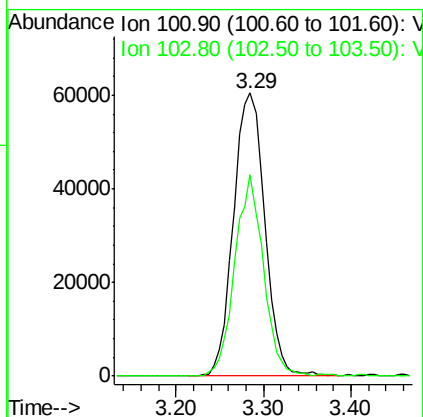
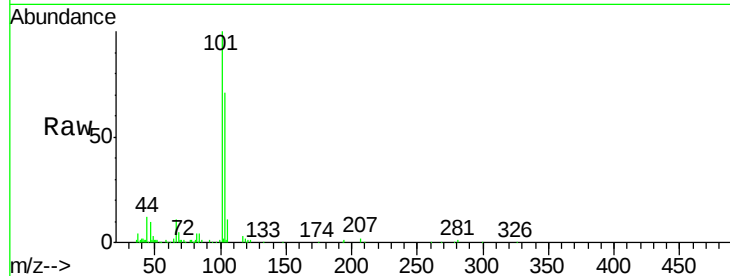
Trichlorofluoromethane
Concen: 21.659 ug/l
RT: 3.29 min Scan# 232
Delta R.T. -0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	71.1	49.8	74.8

Manual Integrations
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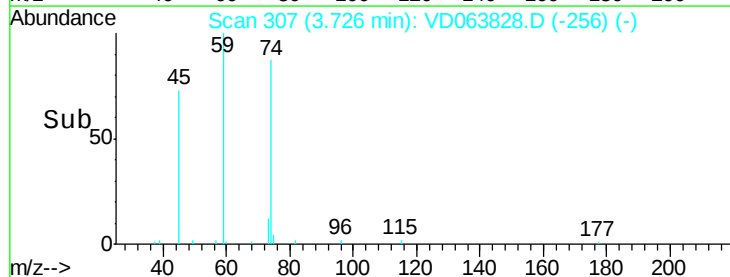
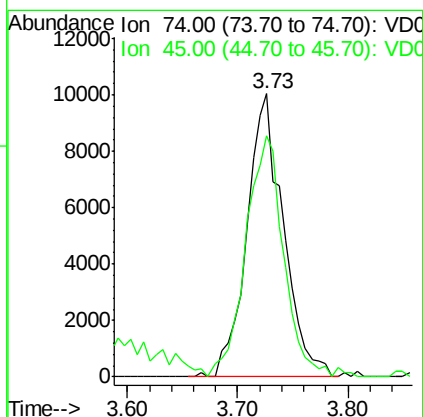
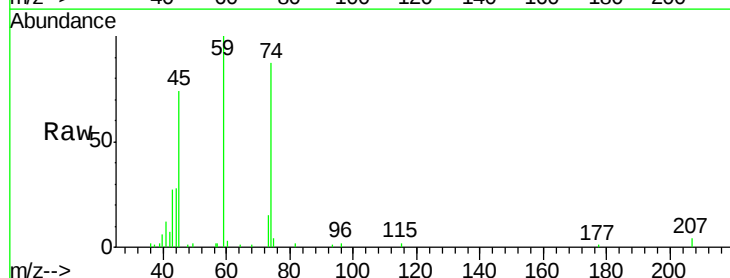
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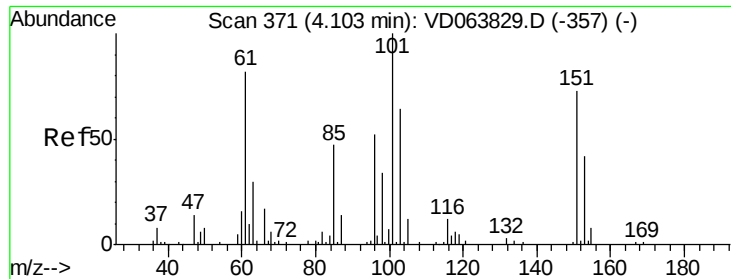


#8

Diethyl Ether
Concen: 21.086 ug/l
RT: 3.73 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.1	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.797 ug/l

RT: 4.11 min Scan# 372

Delta R.T. 0.01 min

Lab File: VD063828.D

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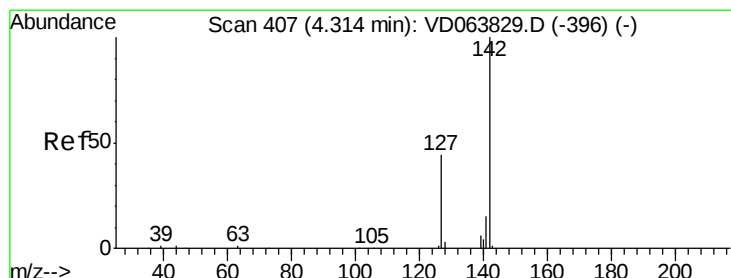
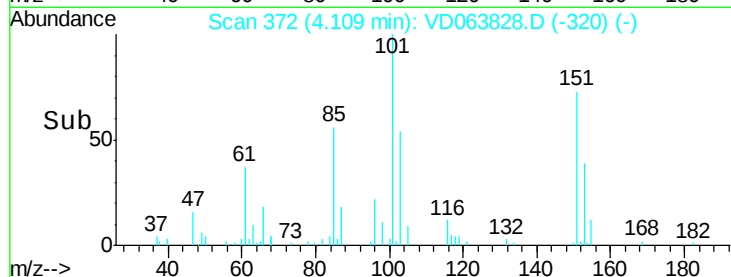
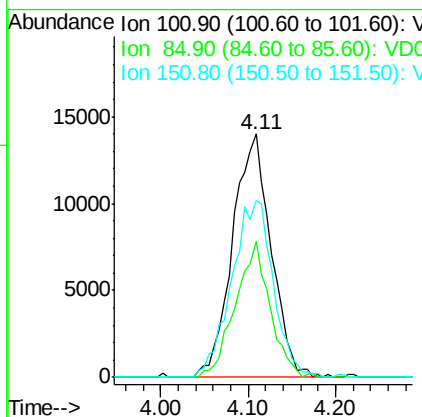
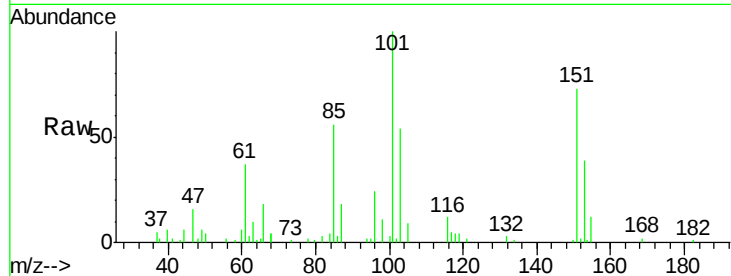
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	41737
Ion Ratio	Lower	Upper	
101	100		
85	50.2	37.8	56.6
151	78.9	64.2	96.2

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#10

Methyl Iodide

Concen: 19.984 ug/l

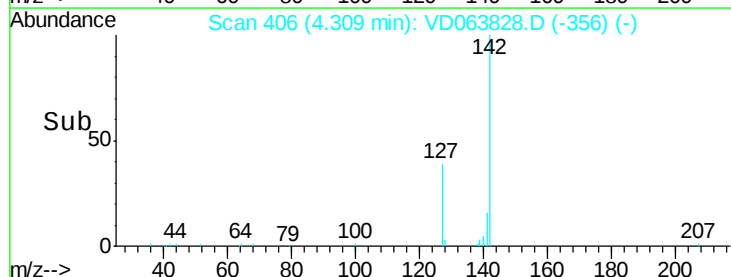
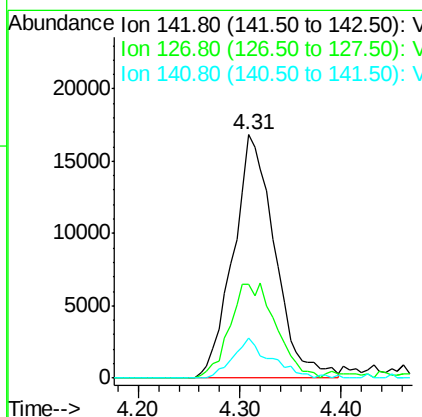
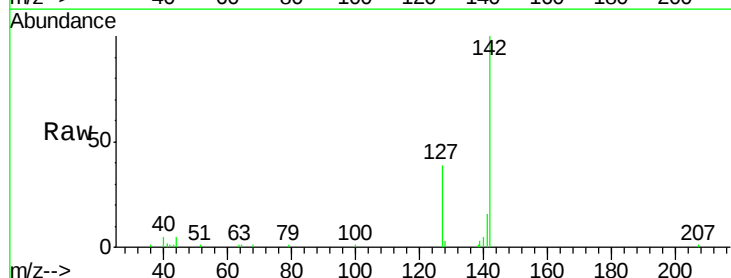
RT: 4.31 min Scan# 406

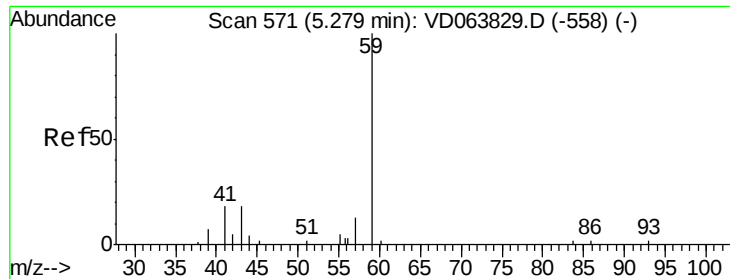
Delta R.T. -0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Tgt Ion:	142	Resp:	47881
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.8	53.6
141	14.6	11.9	17.9





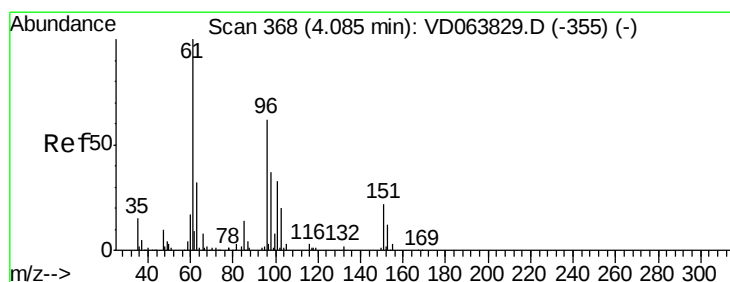
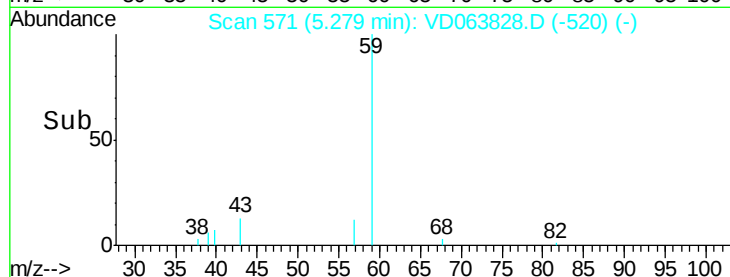
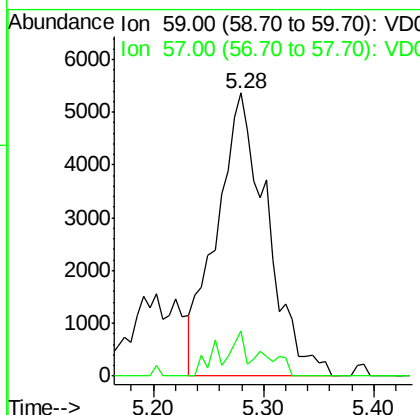
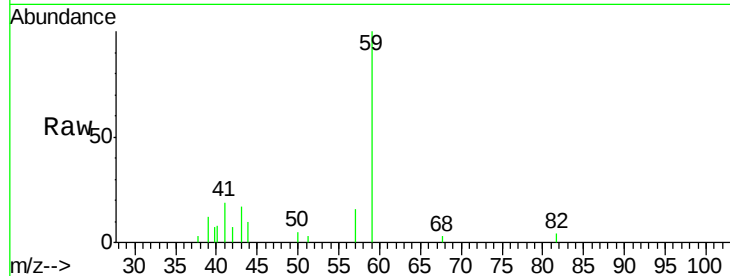
#11
Tert butyl alcohol
Concen: 98.909 ug/l
RT: 5.28 min Scan# 571
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	17118		
57	4.9		8.3	12.5#

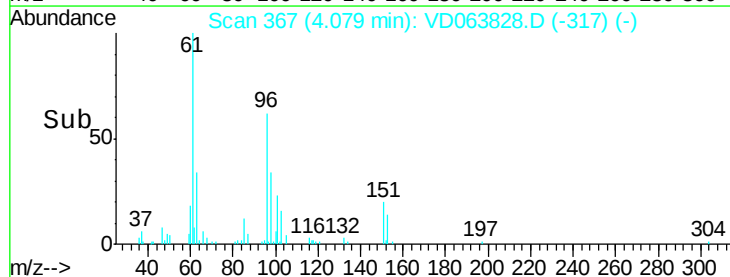
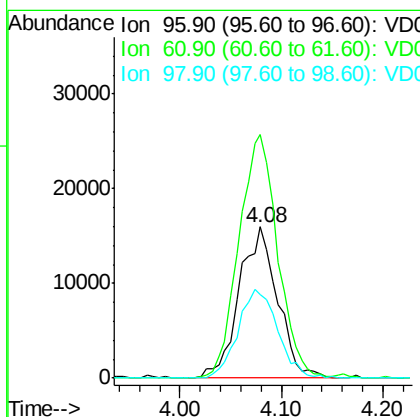
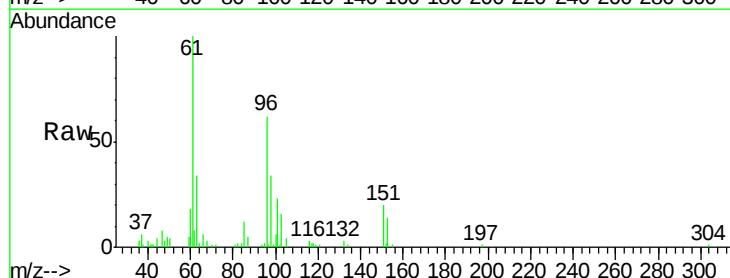
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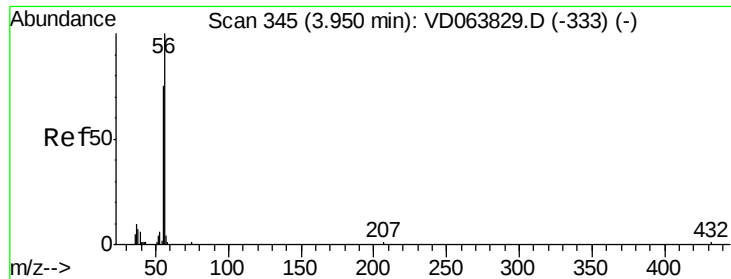
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.723 ug/l
RT: 4.08 min Scan# 367
Delta R.T. -0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	41981		
61	161.4		129.0	193.4
98	55.6		47.8	71.6





#13

Acrolein

Concen: 97.169 ug/l

RT: 3.94 min Scan# 344

Delta R.T. -0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 20474

Ion Ratio Lower Upper

56 100

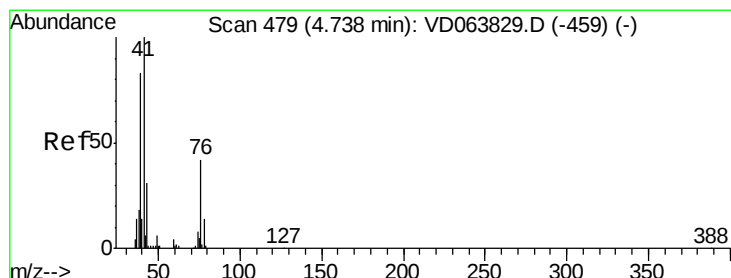
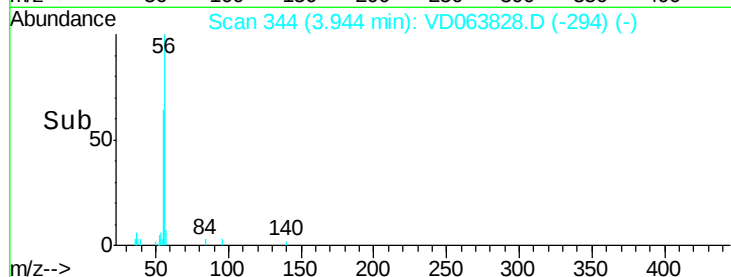
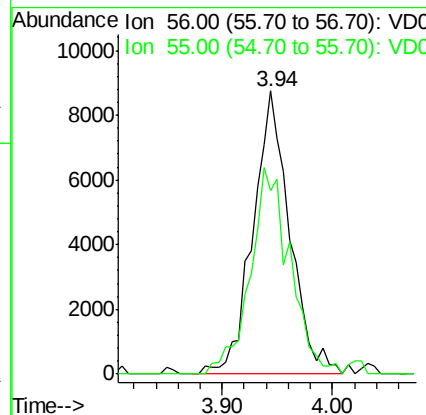
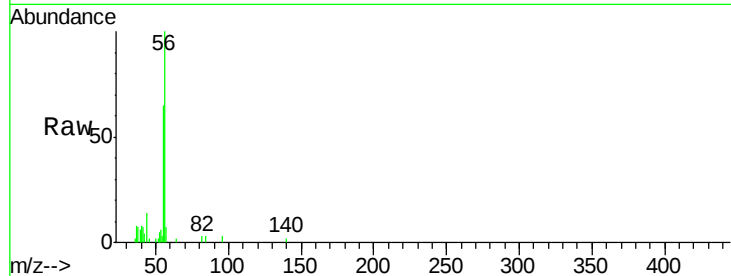
55 78.7 55.0 82.6

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#14

Allyl chloride

Concen: 21.169 ug/l

RT: 4.73 min Scan# 478

Delta R.T. -0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

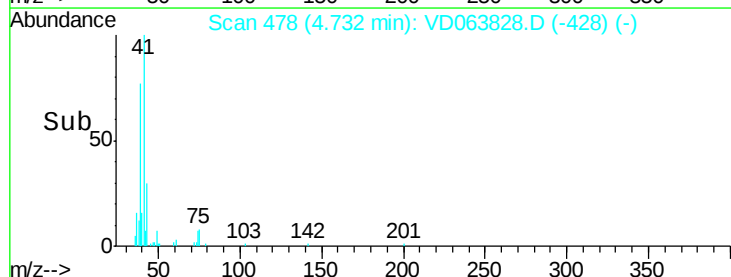
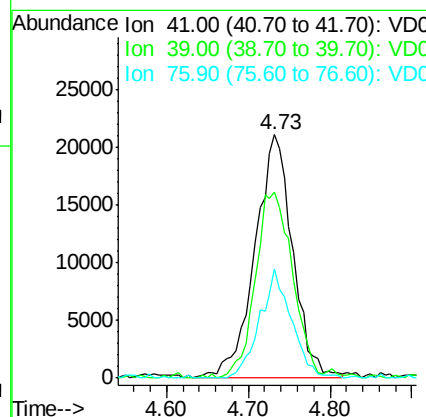
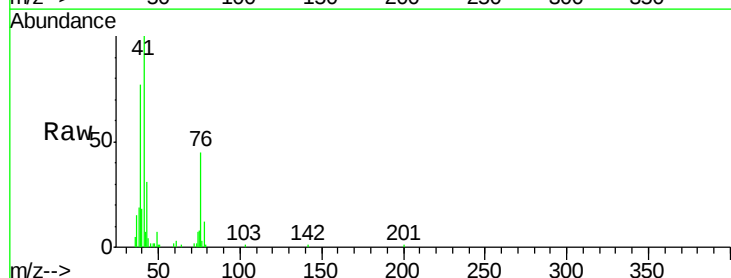
Tgt Ion: 41 Resp: 67786

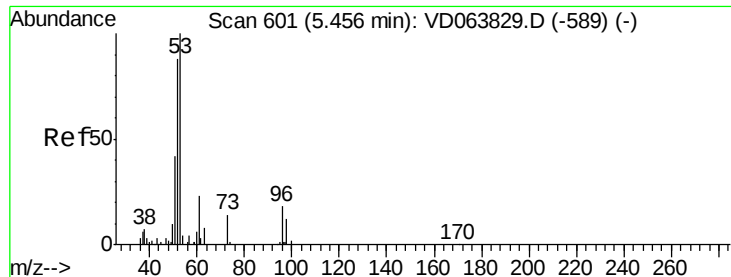
Ion Ratio Lower Upper

41 100

39 75.2 63.7 95.5

76 37.5 33.5 50.3





#15

Acrylonitrile

Concen: 102.500 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

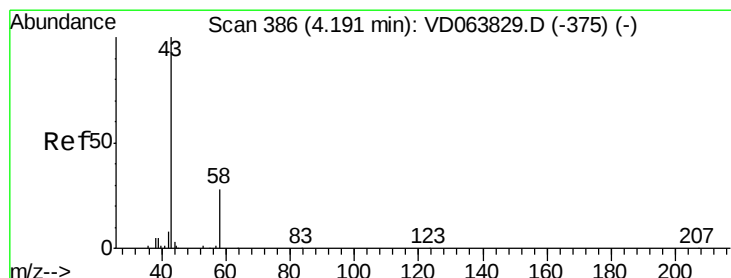
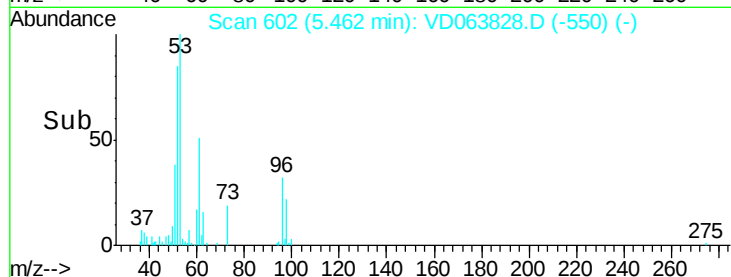
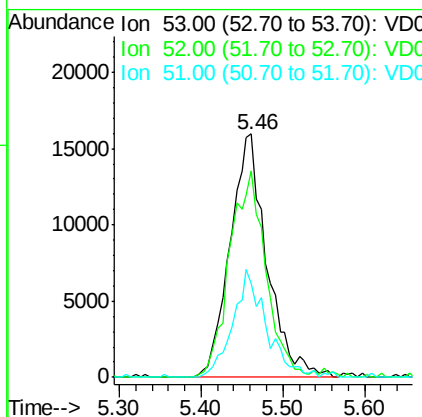
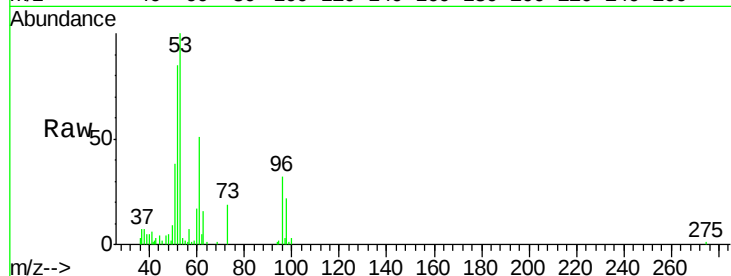
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	49950
Ion	Ratio	Lower	Upper
53	100		
52	83.3	68.7	103.1
51	40.0	30.7	46.1

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#16

Acetone

Concen: 102.155 ug/l

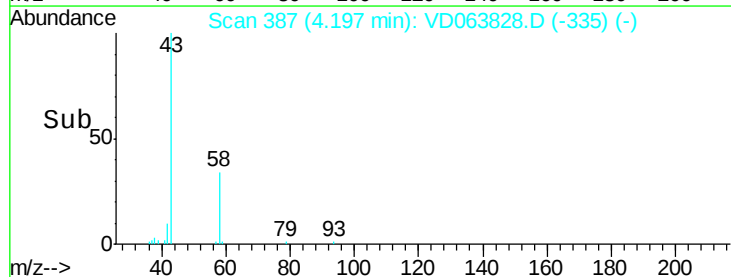
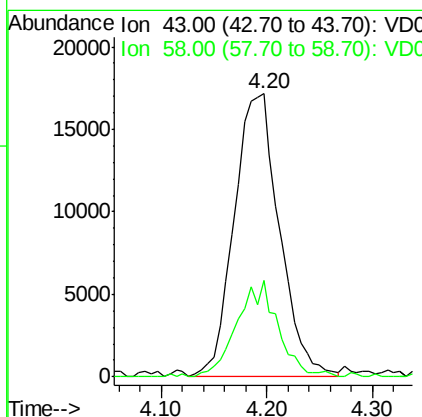
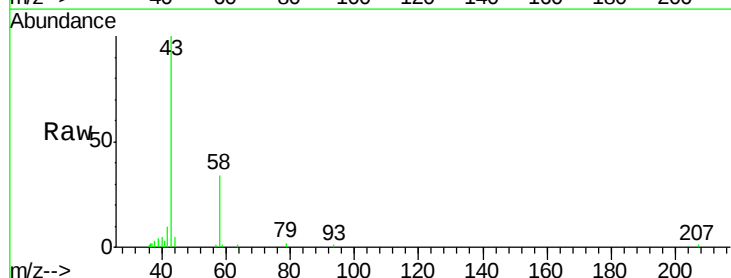
RT: 4.20 min Scan# 387

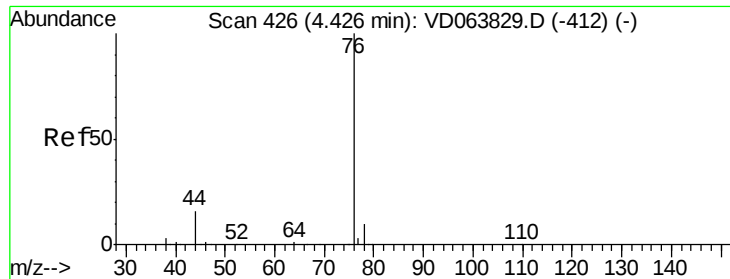
Delta R.T. 0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Tgt Ion:	43	Resp:	51223
Ion	Ratio	Lower	Upper
43	100		
58	34.2	22.6	34.0#





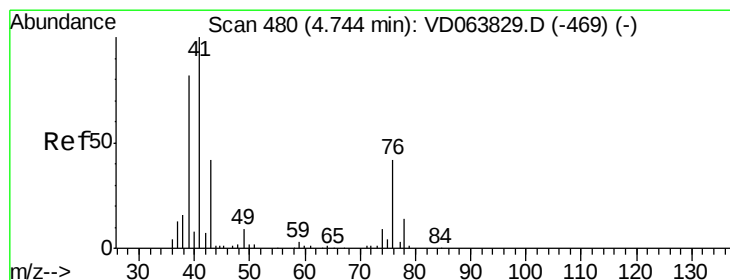
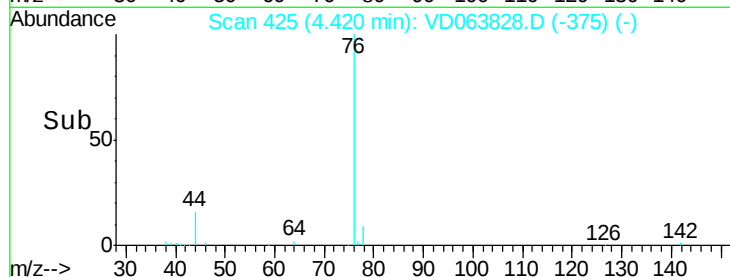
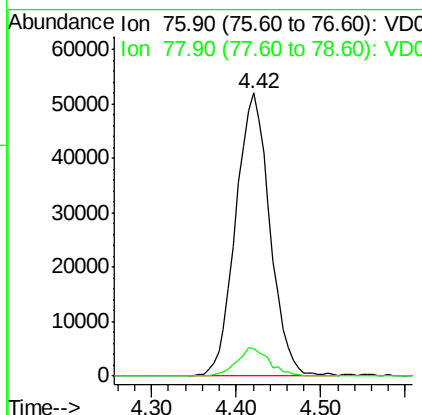
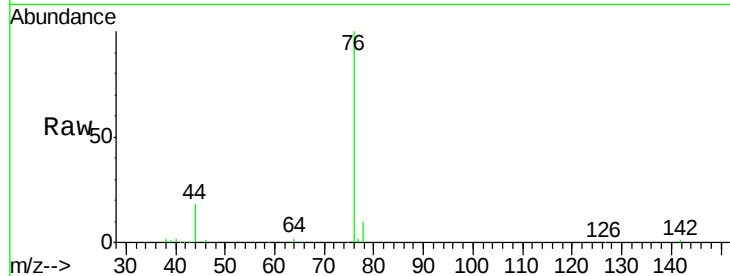
#17
Carbon Disulfide
Concen: 21.274 ug/l
RT: 4.42 min Scan# 425
Delta R.T. -0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	76	Resp	145684
Ion Ratio	Lower	Upper	
76	100		
78	9.5	7.9	11.9

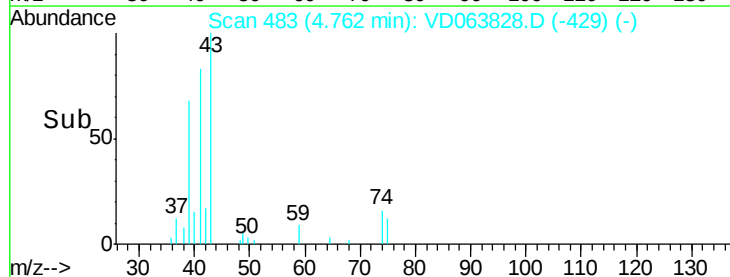
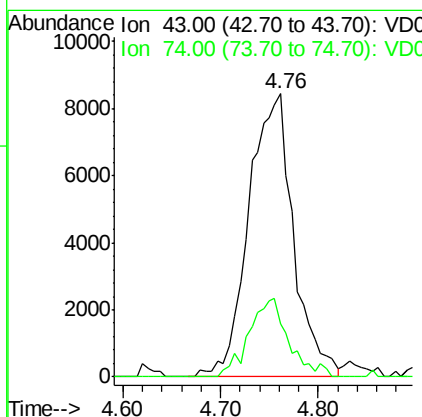
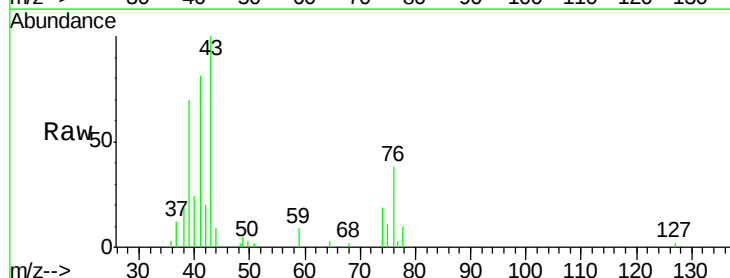
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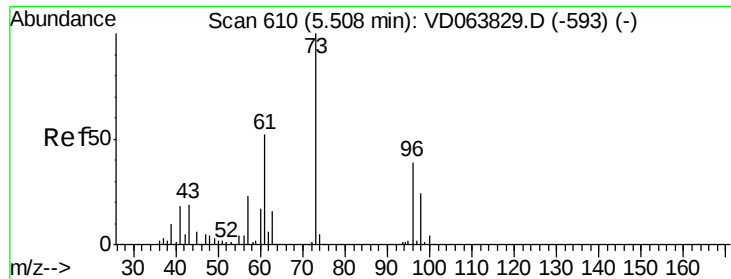
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#18
Methyl Acetate
Concen: 21.873 ug/l
RT: 4.76 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	43	Resp	27004
Ion Ratio	Lower	Upper	
43	100		
74	24.6	18.6	28.0





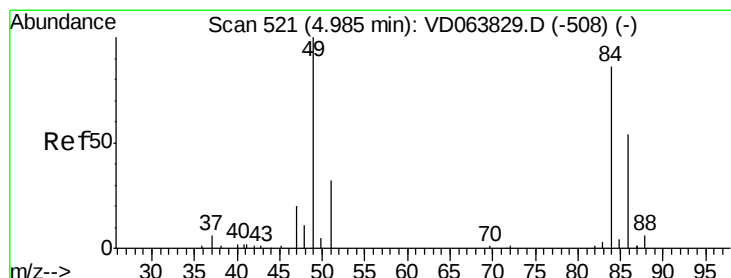
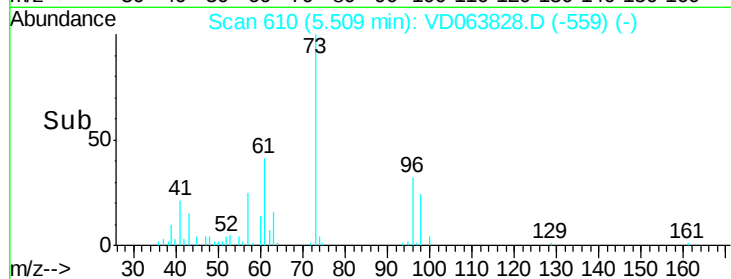
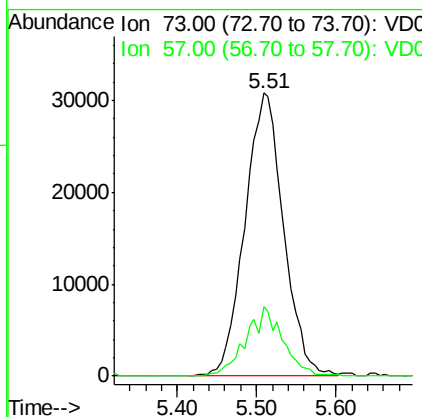
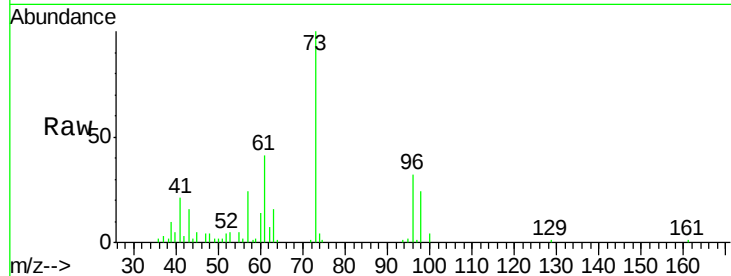
#19
Methvl tert-butvl Ether
Concen: 20.636 ug/l
RT: 5.51 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 104660
Ion Ratio Lower Upper
73 100
57 24.4 18.7 28.1

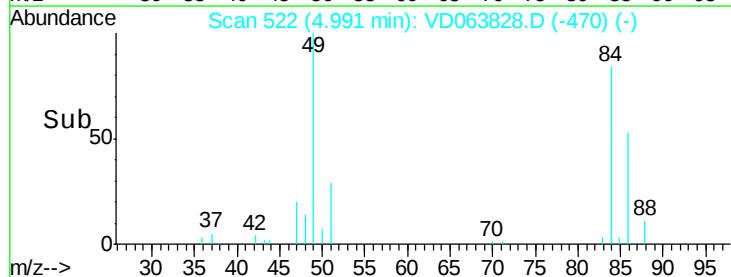
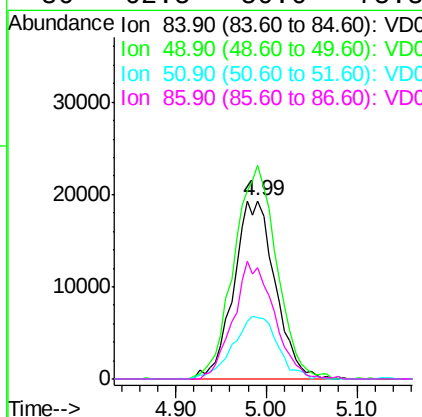
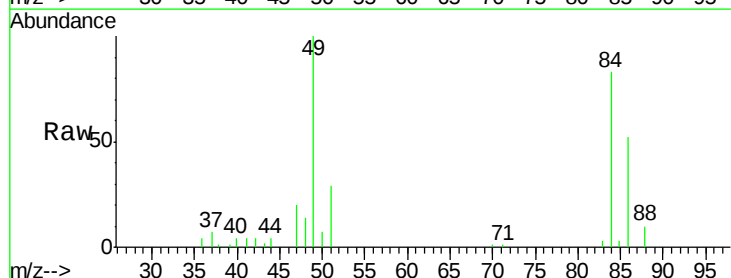
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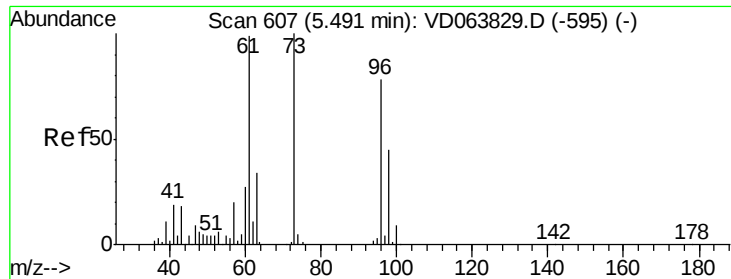
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#20
Methylene Chloride
Concen: 20.288 ug/l
RT: 4.99 min Scan# 522
Delta R.T. 0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion: 84 Resp: 61208
Ion Ratio Lower Upper
84 100
49 119.9 93.6 140.4
51 34.4 29.8 44.6
86 62.5 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.414 ug/l

RT: 5.49 min Scan# 606

Delta R.T. -0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

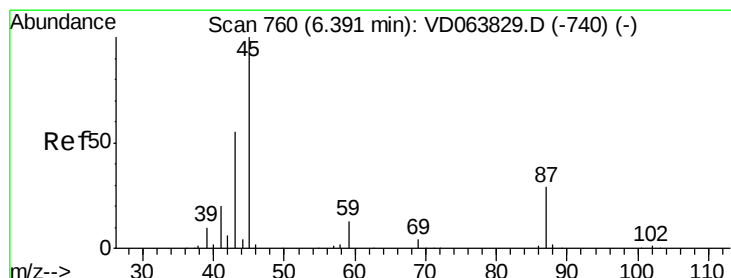
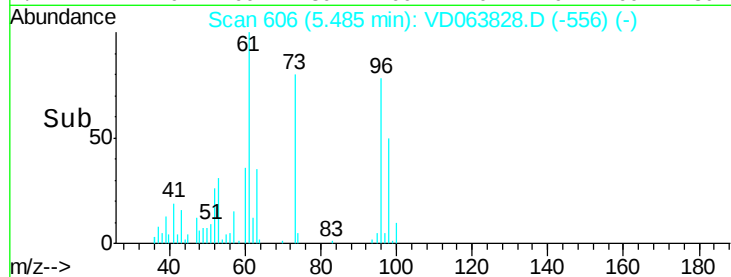
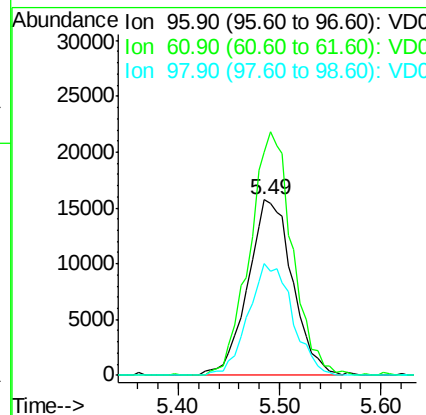
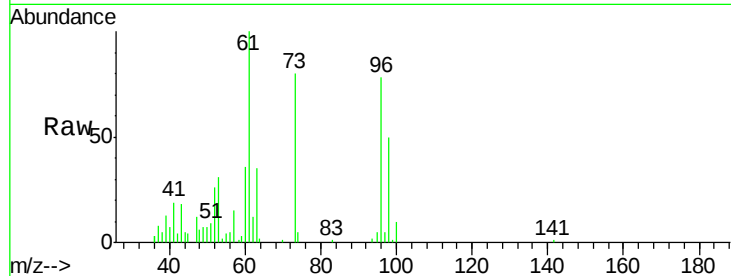
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	48135
Ion	Ratio	Lower	Upper
96	100		
61	127.4	101.3	151.9
98	63.9	45.4	68.2

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#22

Diisopropyl ether

Concen: 20.720 ug/l

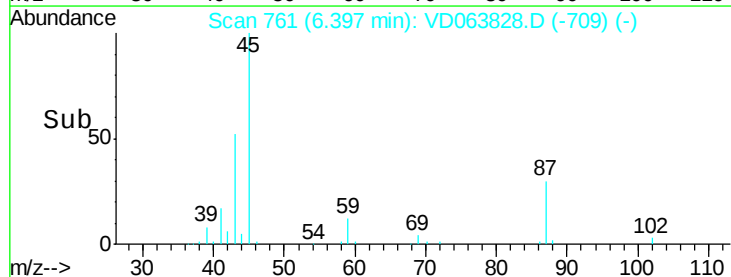
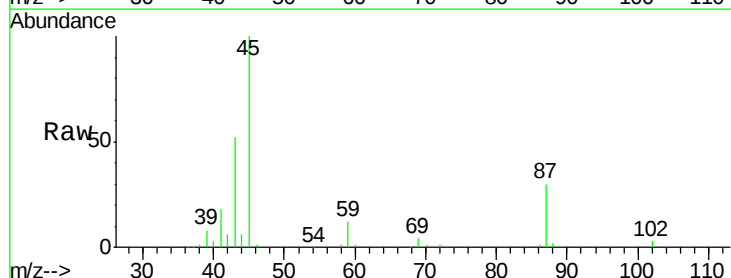
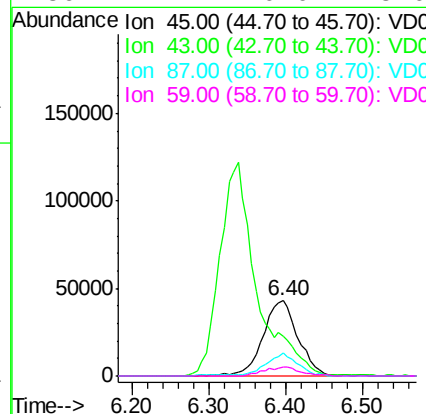
RT: 6.40 min Scan# 761

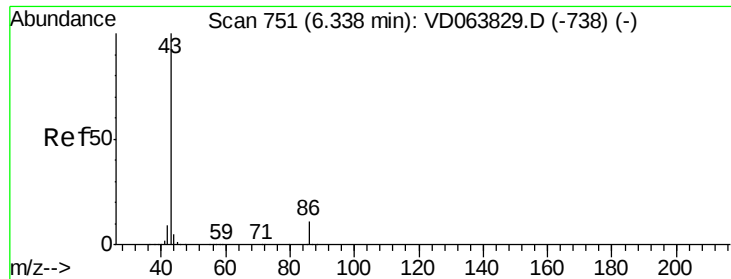
Delta R.T. 0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Tgt Ion:	45	Resp:	137033
Ion	Ratio	Lower	Upper
45	100		
43	51.0	44.2	66.2
87	29.7	23.9	35.9
59	12.4	10.0	15.0





#23

Vinyl Acetate

Concen: 103.947 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 406607

Ion Ratio Lower Upper

43 100

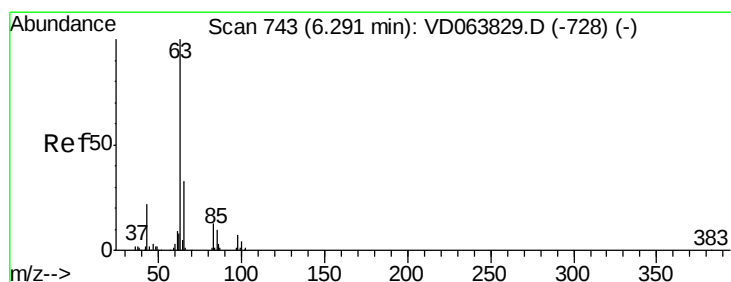
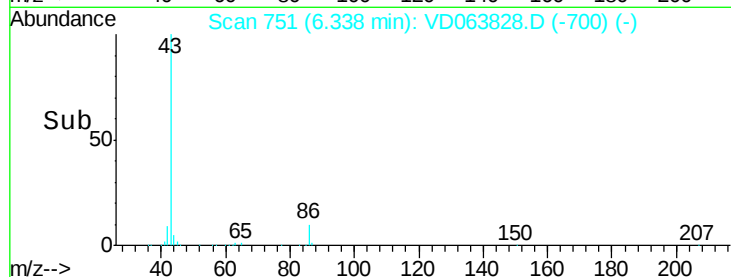
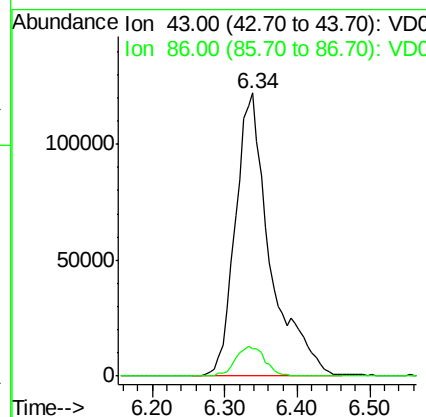
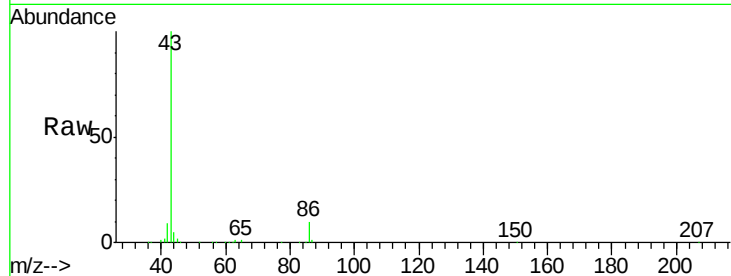
86 9.9 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 21.143 ug/l

RT: 6.29 min Scan# 742

Delta R.T. -0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

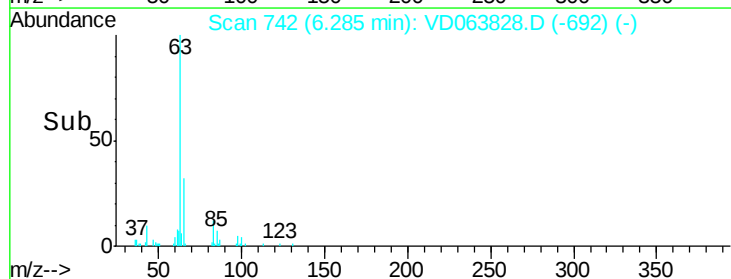
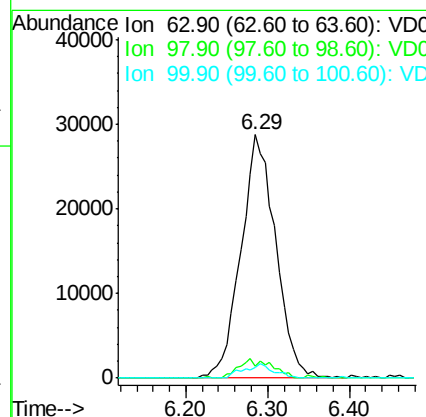
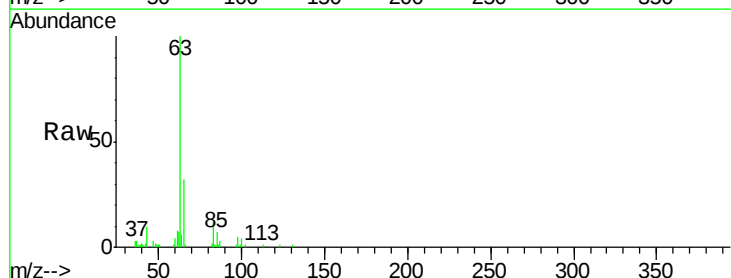
Tgt Ion: 63 Resp: 84952

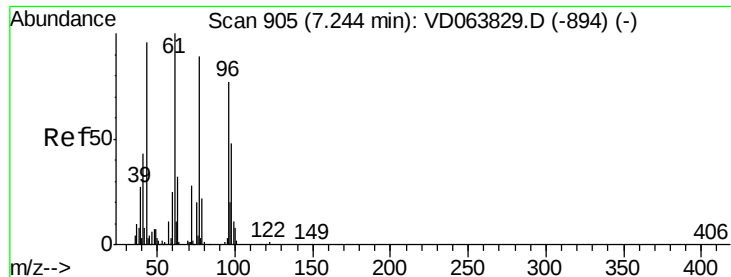
Ion Ratio Lower Upper

63 100

98 4.8 3.5 10.5

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 102.178 ug/l

RT: 7.25 min Scan# 906

Delta R.T. 0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 66980

Ion Ratio Lower Upper

43 100

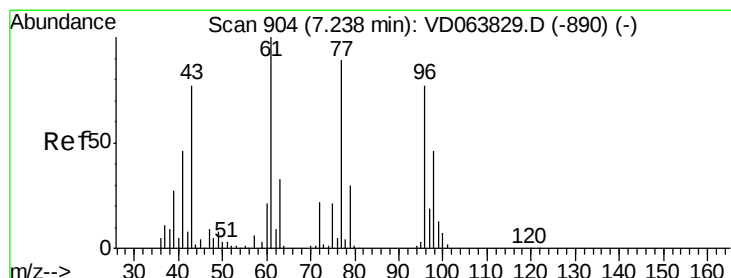
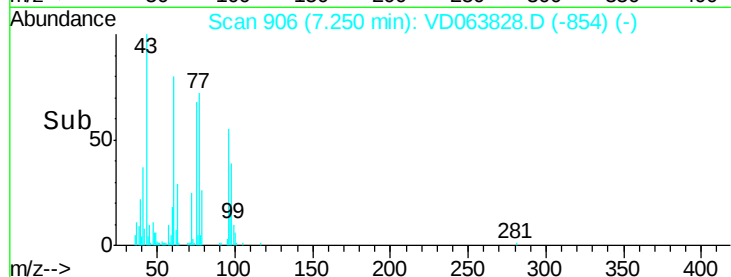
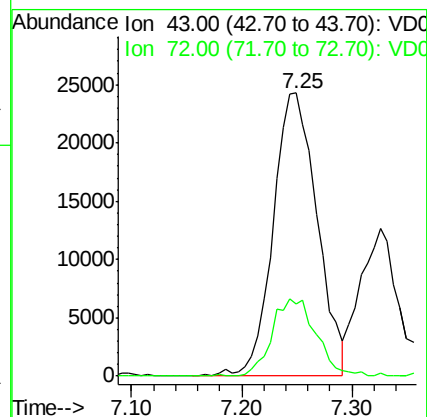
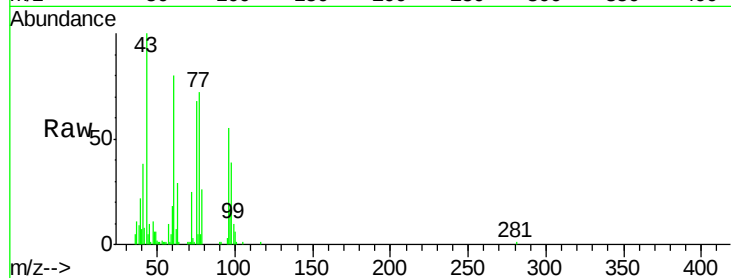
72 25.4 23.5 35.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.607 ug/l

RT: 7.24 min Scan# 904

Delta R.T. 0.00 min

Lab File: VD063828.D

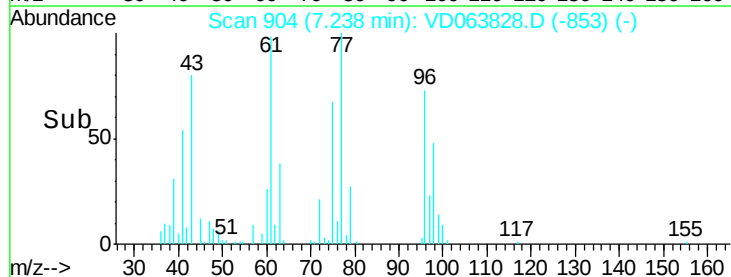
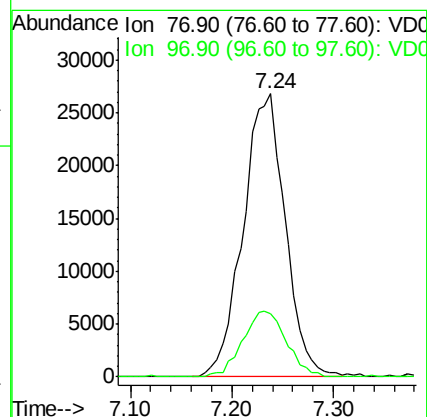
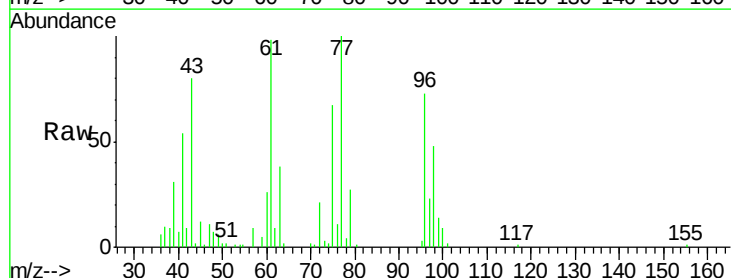
Acq: 25 Sep 2019 17:53

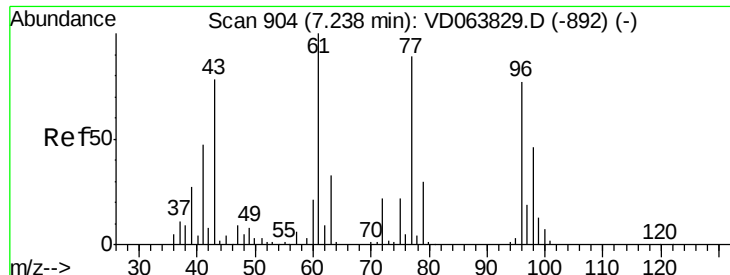
Tgt Ion: 77 Resp: 77431

Ion Ratio Lower Upper

77 100

97 24.1 10.9 32.7





#27

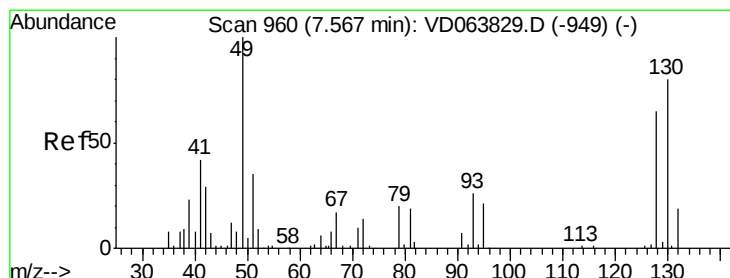
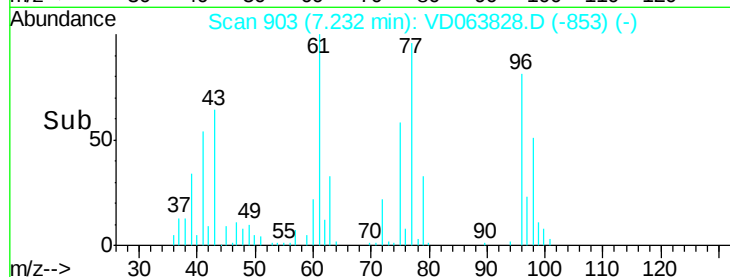
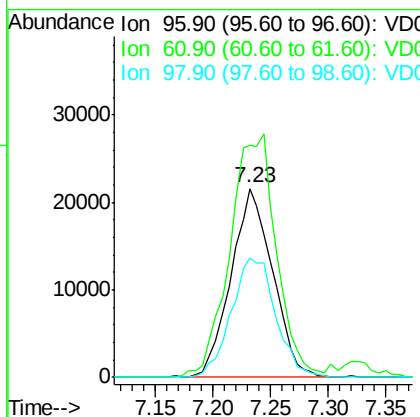
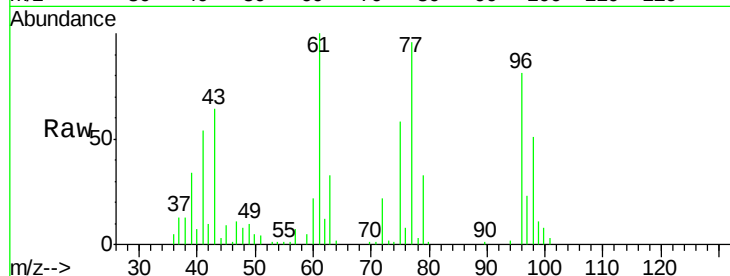
cis-1,2-Dichloroethene
Concen: 20.428 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	275.6
98	67.5	0.0	130.2

Manual Integrations
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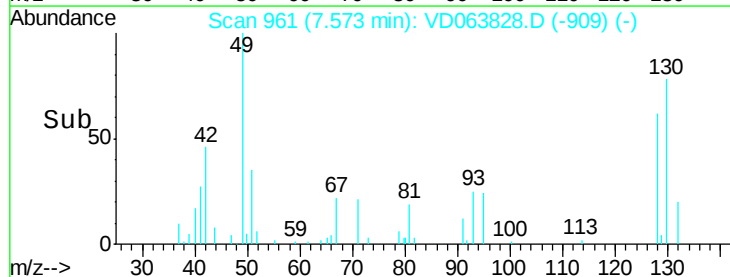
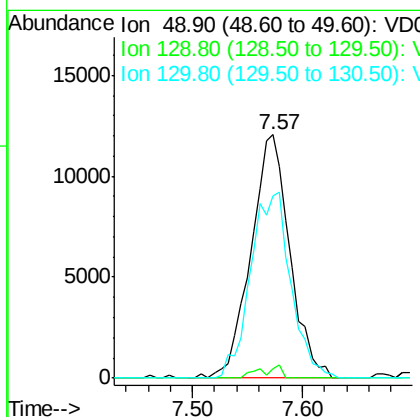
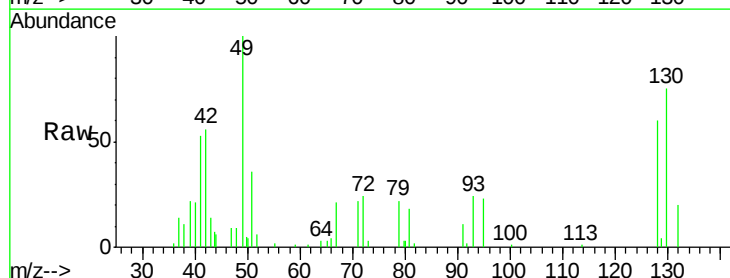
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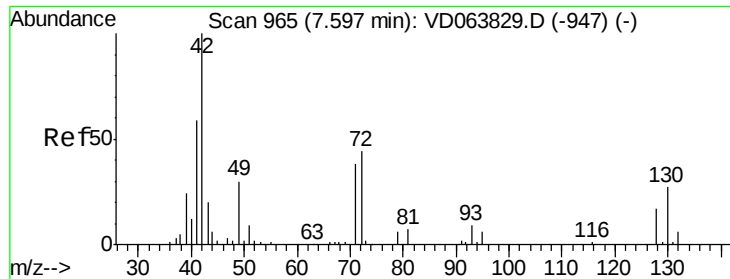


#28

Bromochloromethane
Concen: 18.793 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	2.6#
130	79.2	67.0	100.4





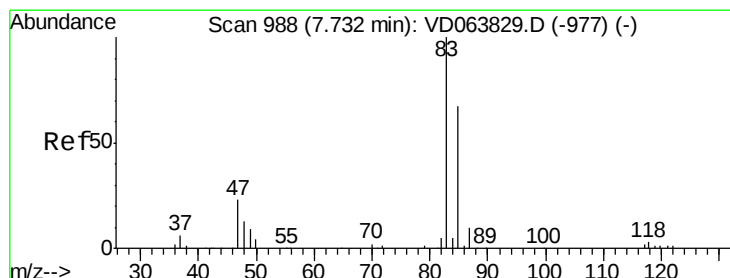
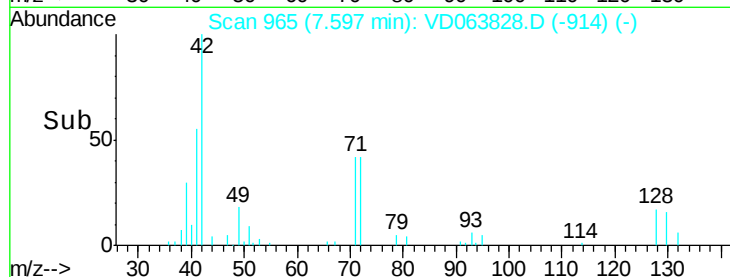
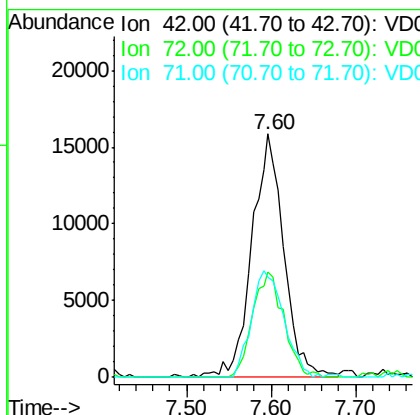
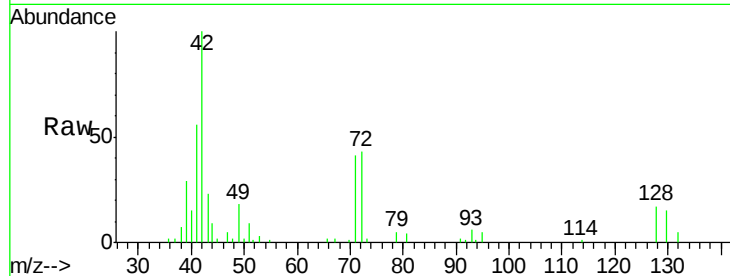
#29
Tetrahydrofuran
Concen: 106.117 ug/l
RT: 7.60 min Scan# 965
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	37.3	55.9
71	44.8	33.4	50.2

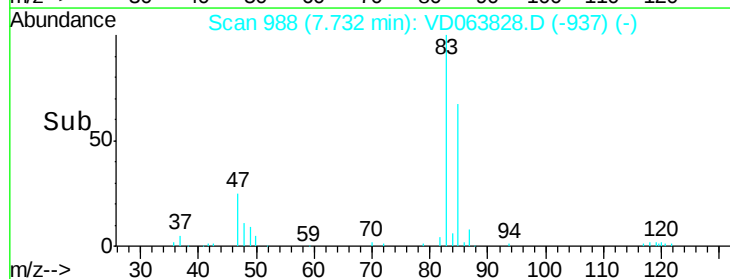
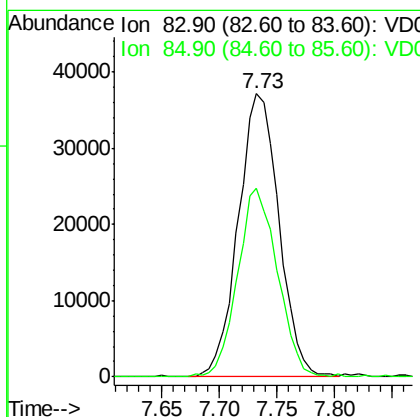
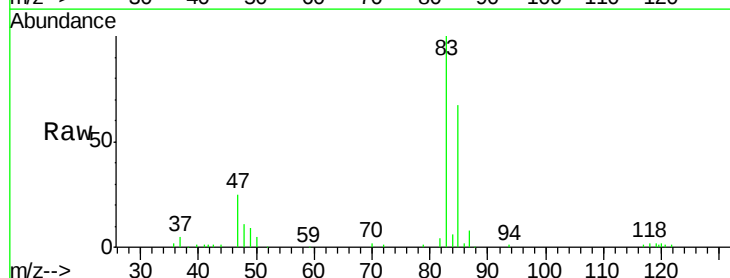
Manual Integrations
APPROVED

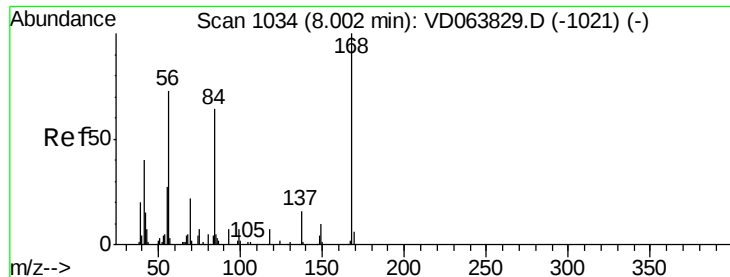
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10/1/2019 9:26:06 AM



#30
Chloroform
Concen: 20.904 ug/l
RT: 7.73 min Scan# 988
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.4	80.2





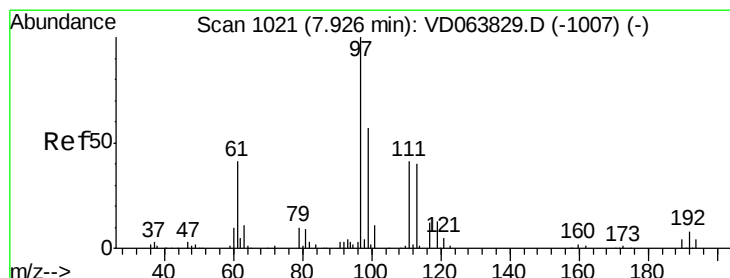
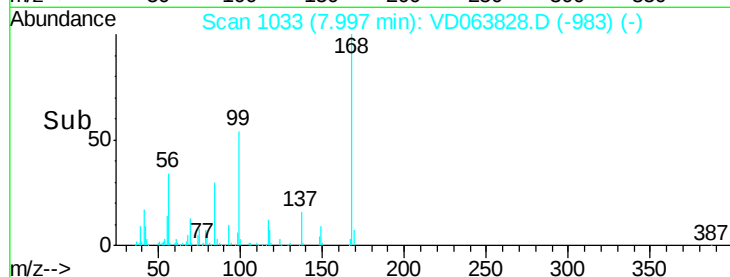
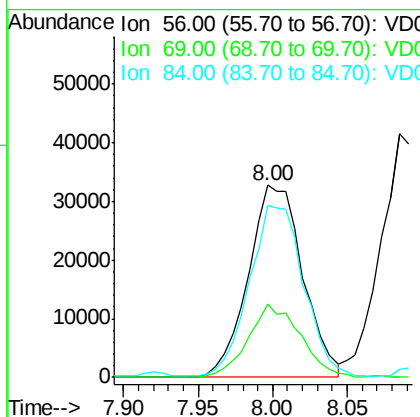
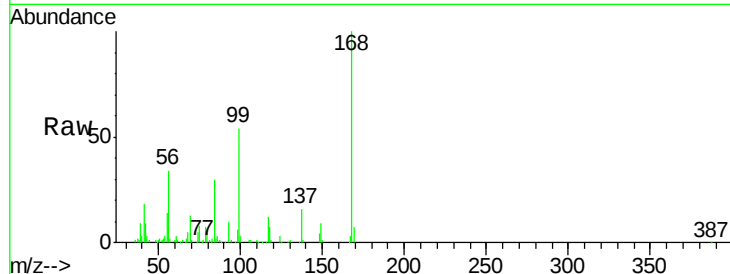
#31
Cyclohexane
Concen: 20.660 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	23.1	34.7#
84	88.4	69.7	104.5

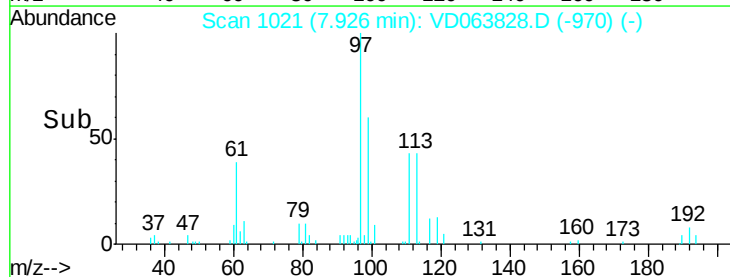
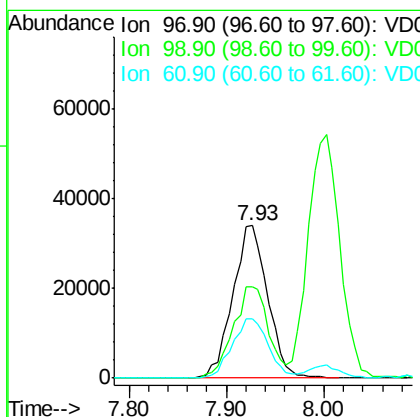
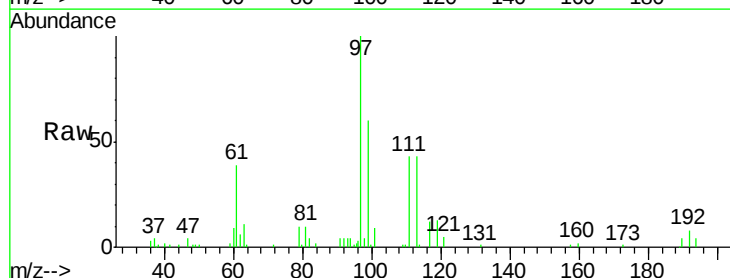
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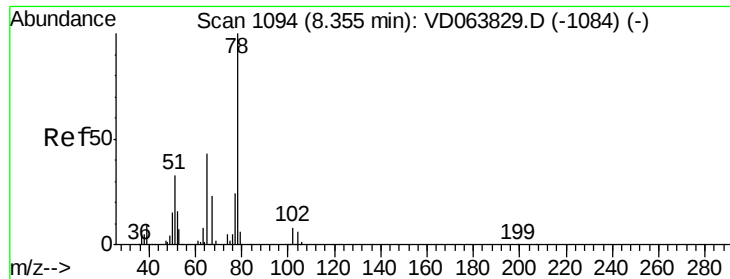
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10/1/2019 9:26:06 AM



#32
1,1,1-Trichloroethane
Concen: 21.359 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.7	52.9	79.3
61	40.6	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 20.346 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 45450

Ion Ratio Lower Upper

65 100

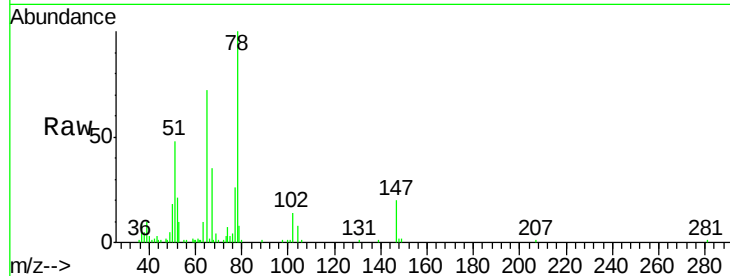
67 55.5 0.0 107.4

Manual Integrations

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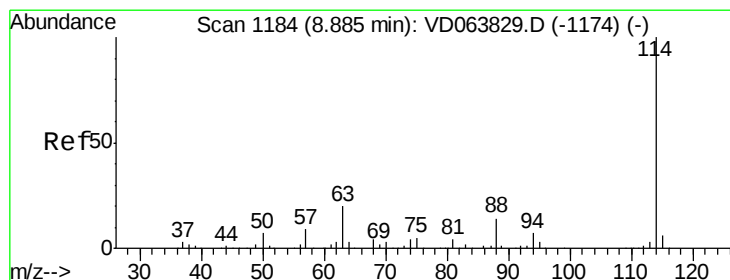
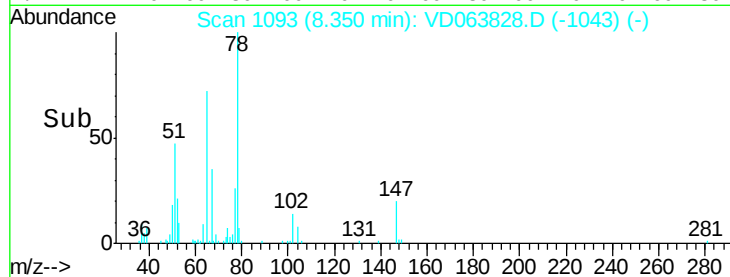
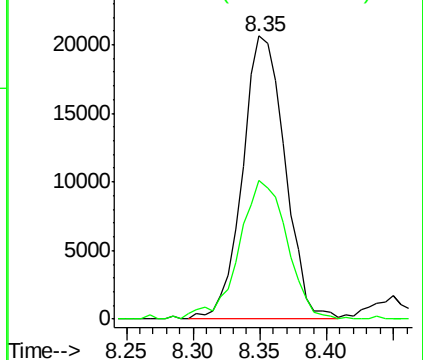
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.88 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

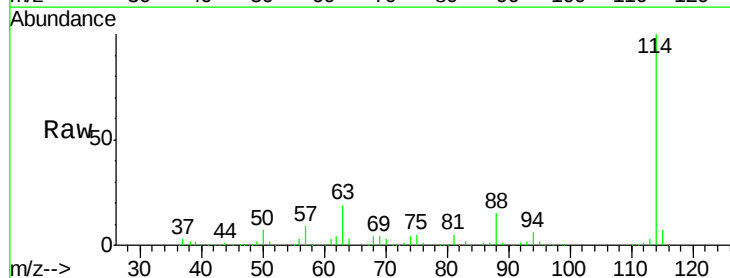
Tgt Ion: 114 Resp: 378055

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.2

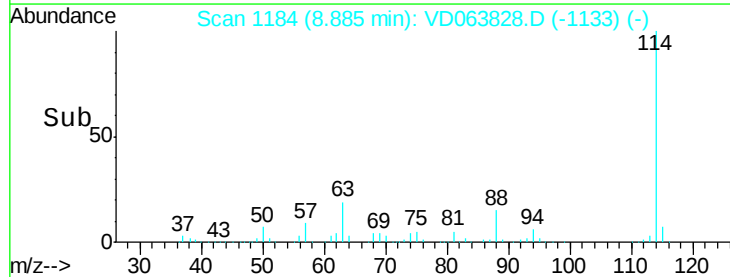
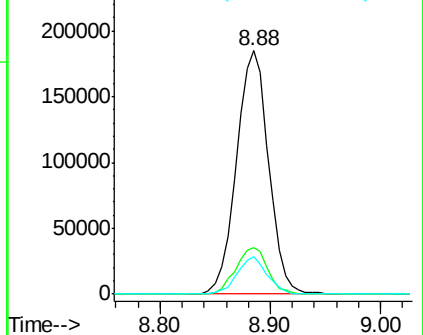
88 15.5 0.0 28.4

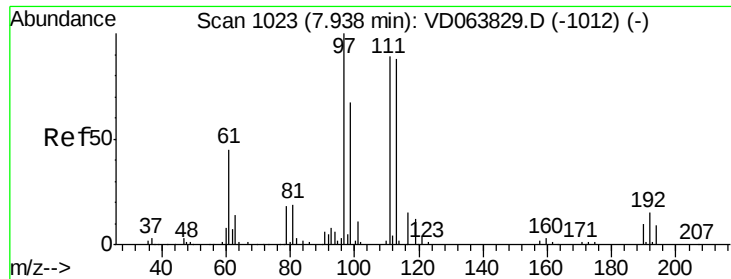


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 20.660 ug/l

RT: 7.94 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

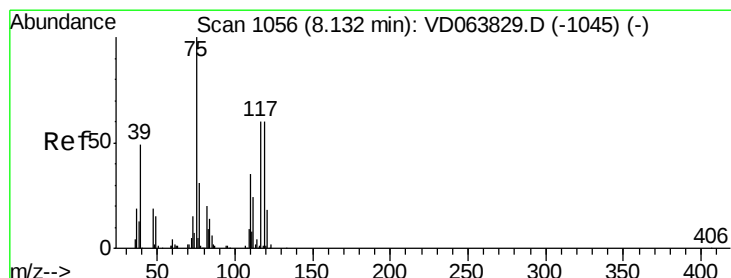
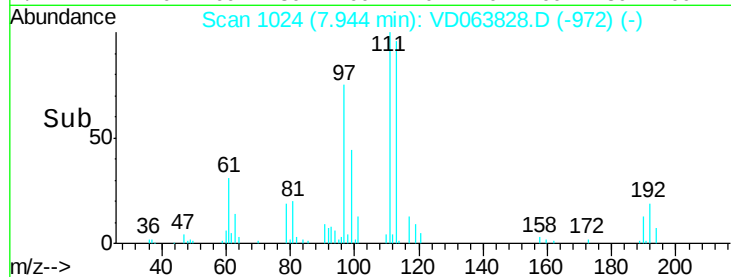
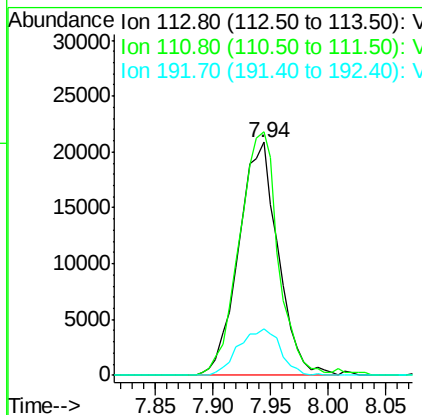
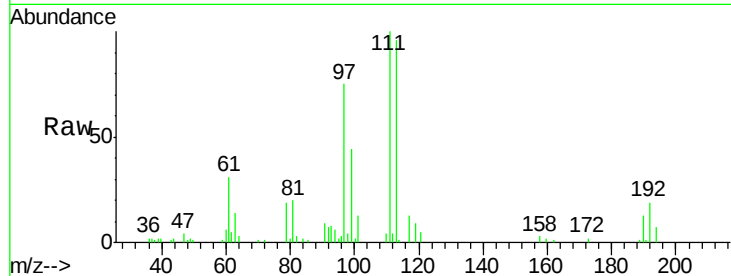
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	49583
Ion	Ratio	Lower	Upper
113	100		
111	103.2	77.7	116.5
192	21.1	15.9	23.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.682 ug/l

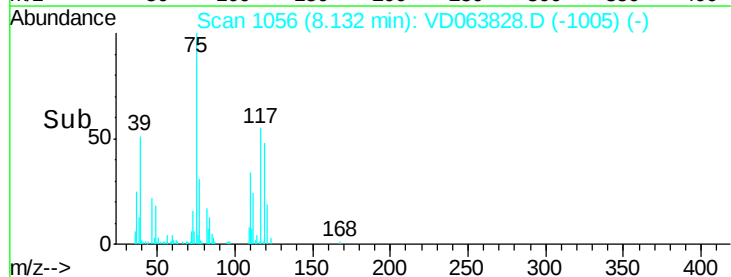
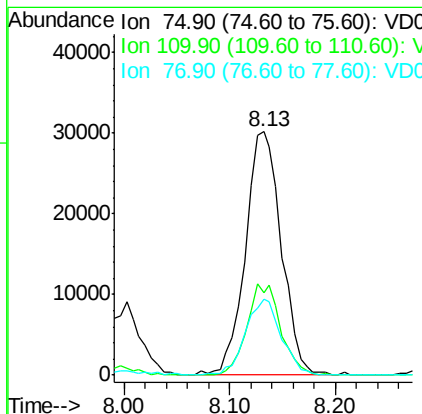
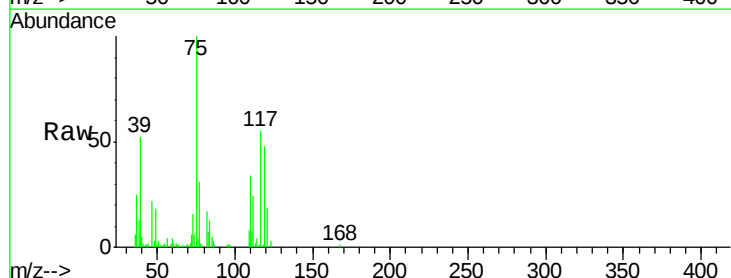
RT: 8.13 min Scan# 1056

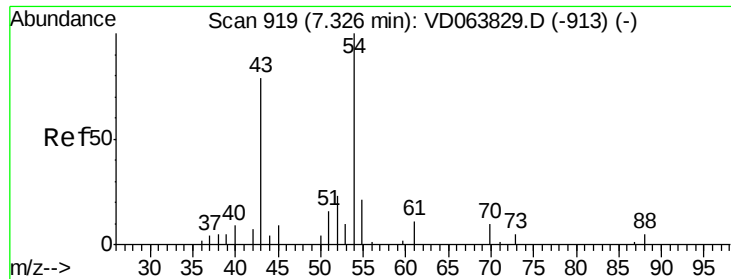
Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Tgt Ion:	75	Resp:	71319
Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.5	52.5
77	31.2	24.9	37.3





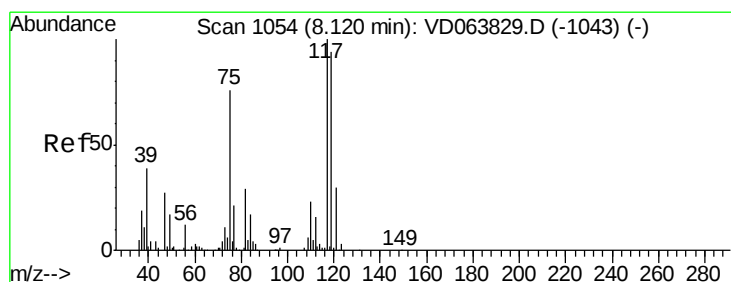
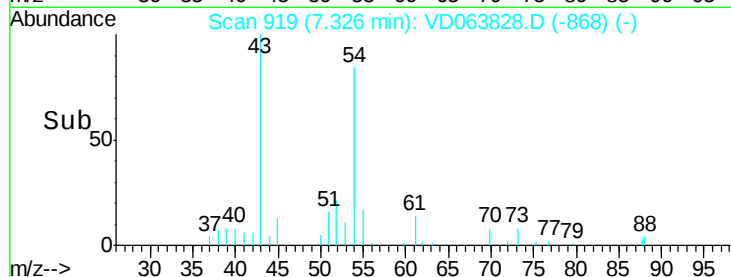
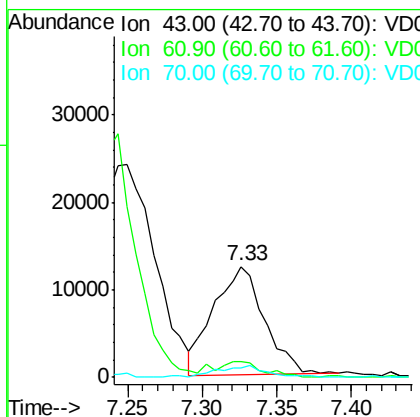
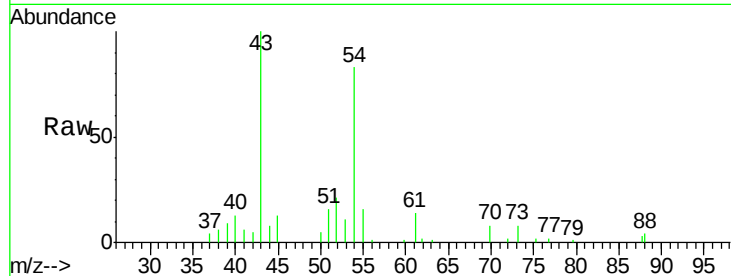
#37
Ethyl Acetate
Concen: 20.297 ug/l
RT: 7.33 min Scan# 919
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.7	19.1
70	10.3	8.3	12.5

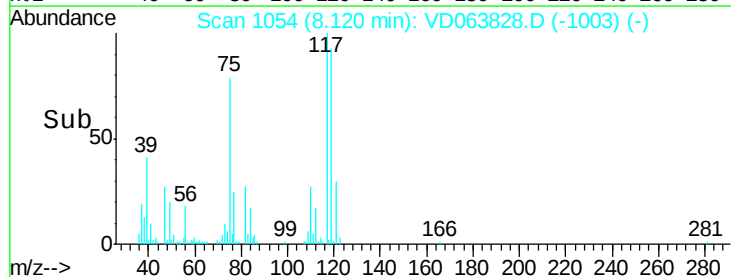
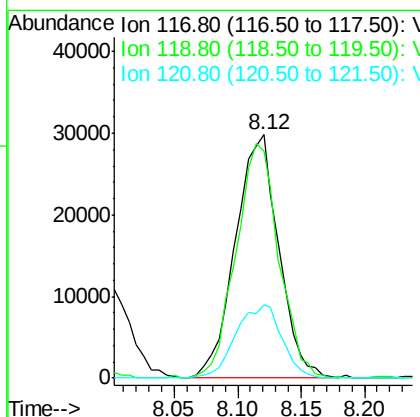
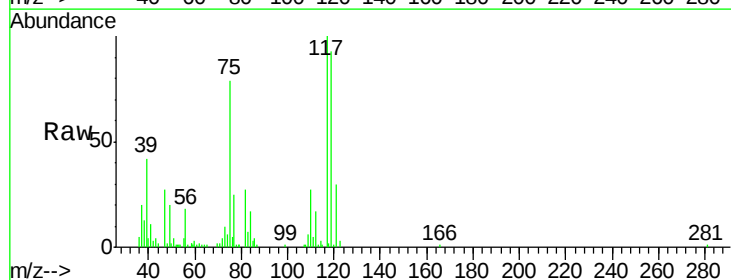
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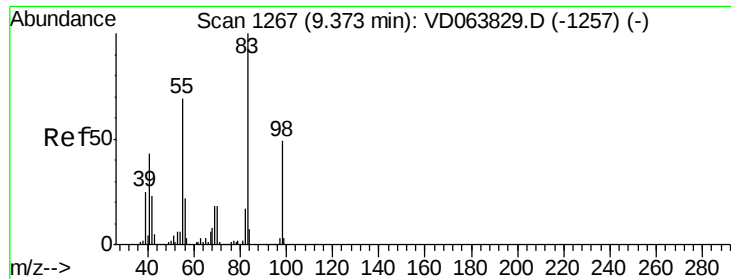
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#38
Carbon Tetrachloride
Concen: 19.785 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.2	112.8
121	29.9	23.9	35.9





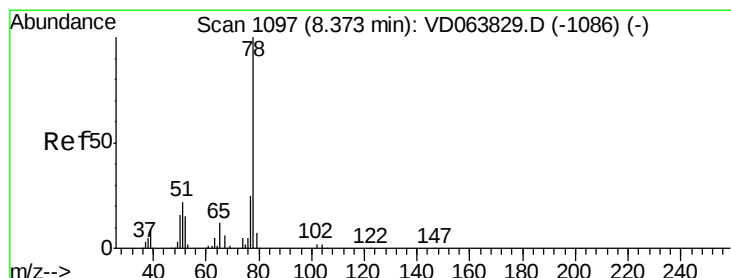
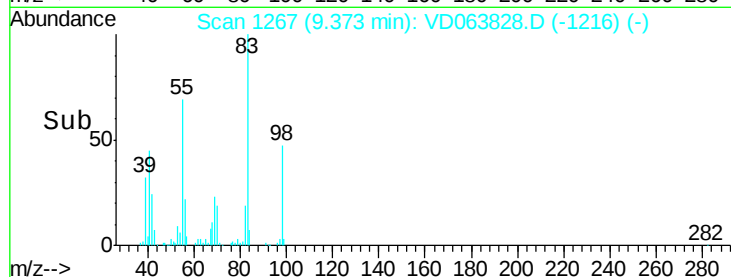
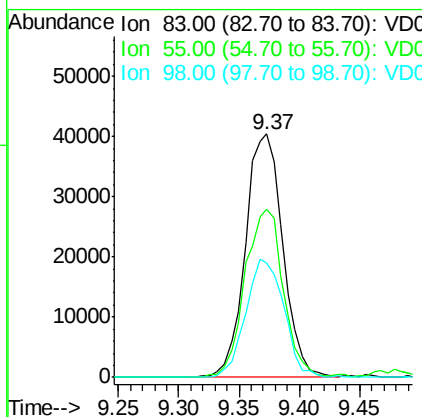
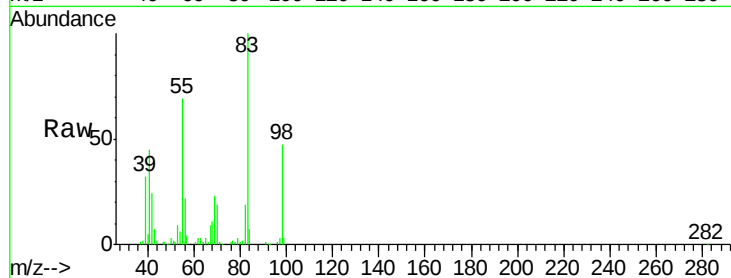
#39
Methvlcvclohexane
Concen: 20.354 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	54.9	82.3
98	46.9	39.0	58.6

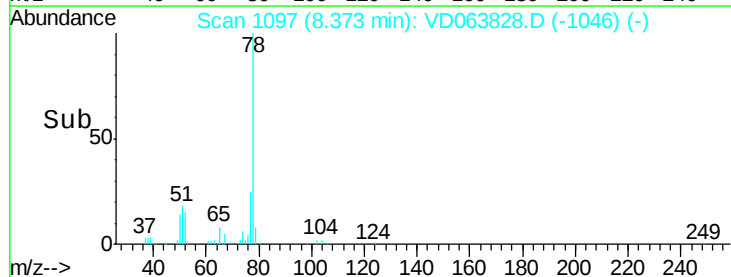
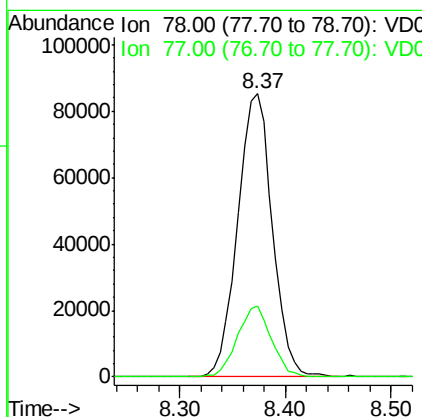
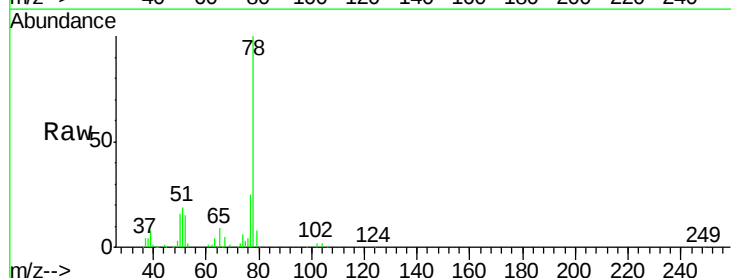
Manual Integrations
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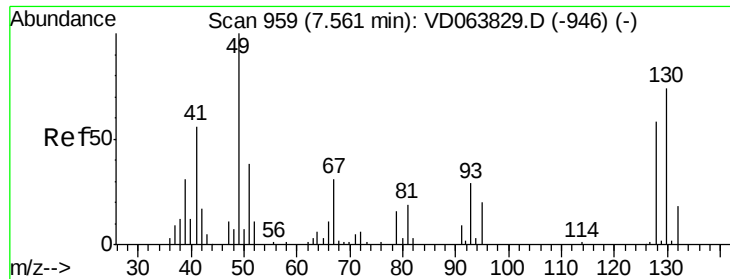
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#40
Benzene
Concen: 20.443 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.8	29.6





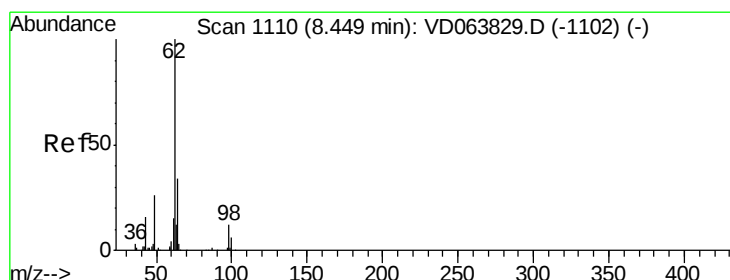
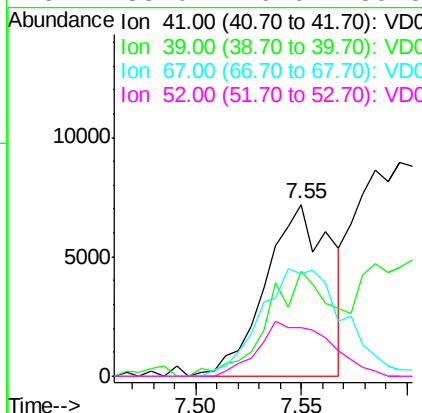
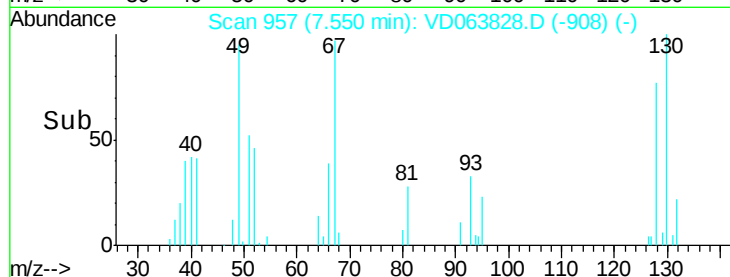
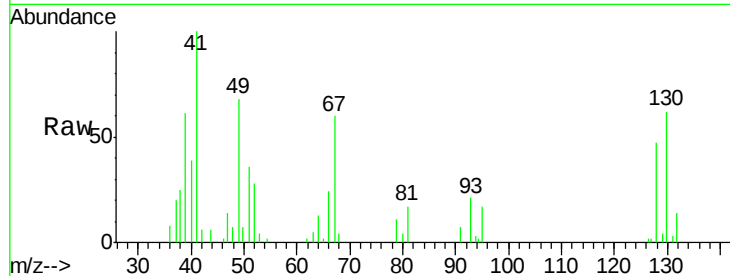
#41
Methacrylonitrile
Concen: 18.106 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	15401
Ion	Ratio	Lower	Upper
41	100		
39	64.8	52.2	78.4
67	80.5	58.6	87.8
52	35.0	26.6	39.8

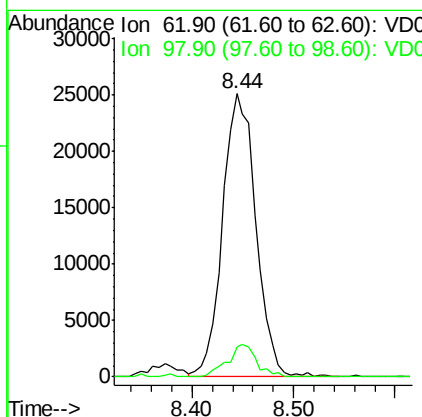
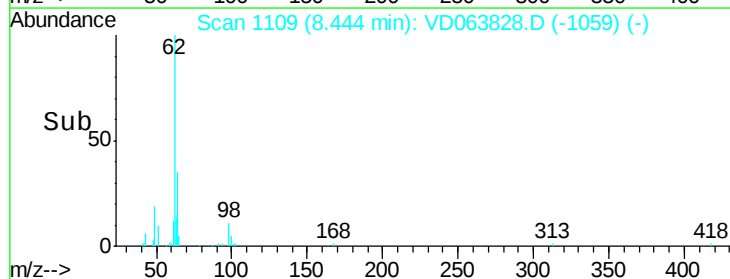
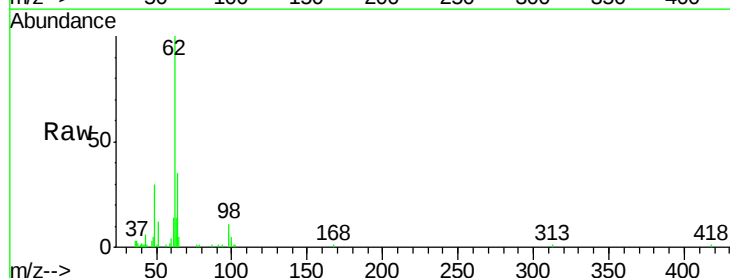
Manual Integrations
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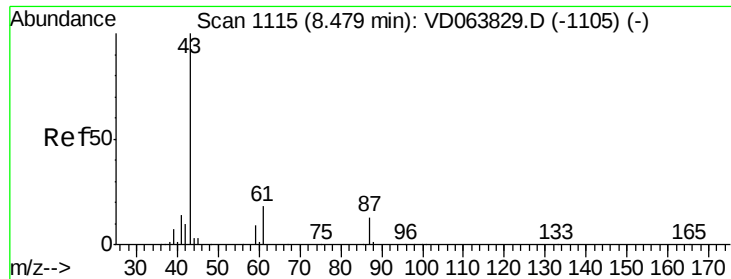
MMDadoda
10/1/2019 9:26:06 AM



#42
1,2-Dichloroethane
Concen: 20.572 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion:	62	Resp:	57130
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43

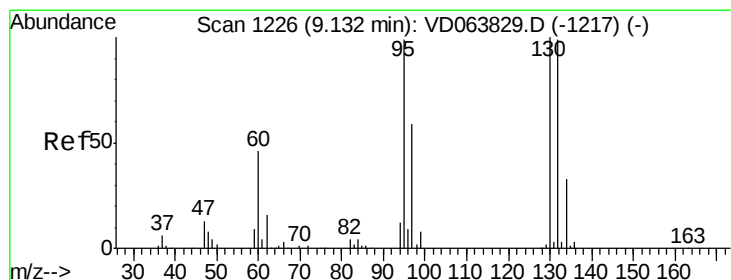
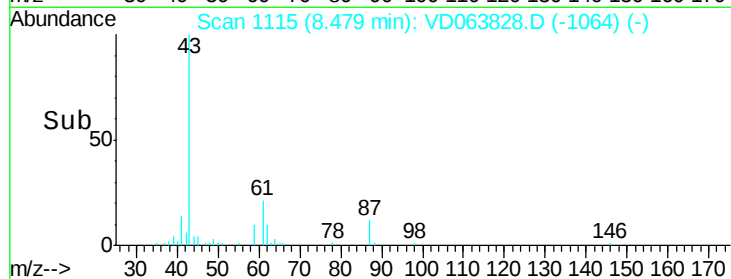
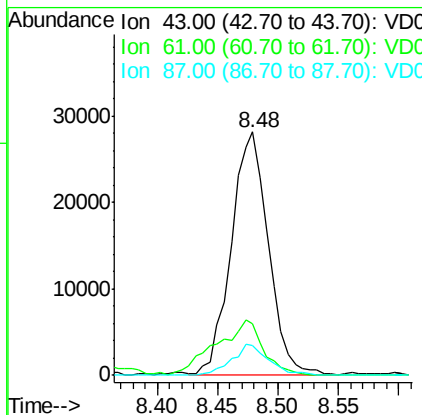
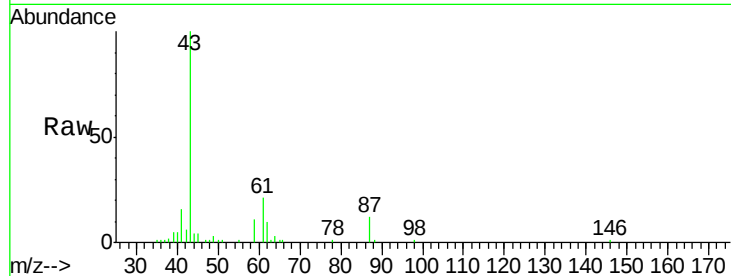
Isopropyl Acetate
 Concen: 20.962 ug/l
 RT: 8.48 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	24.6	37.0
87	12.6	10.5	15.7

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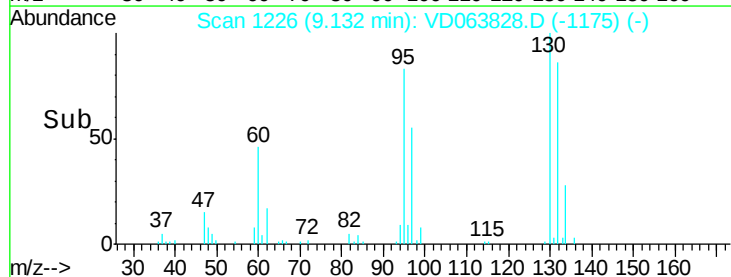
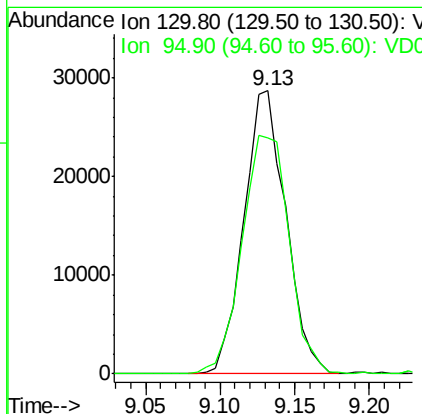
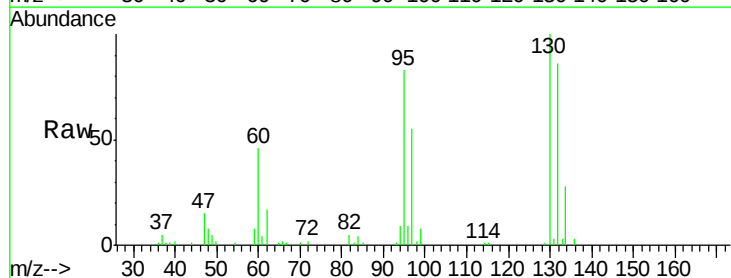
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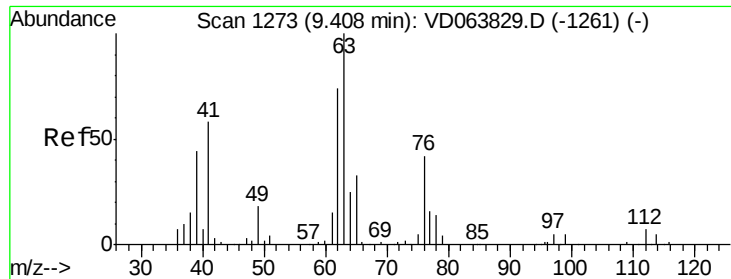


#44

Trichloroethene
 Concen: 20.310 ug/l
 RT: 9.13 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.3	0.0	198.6





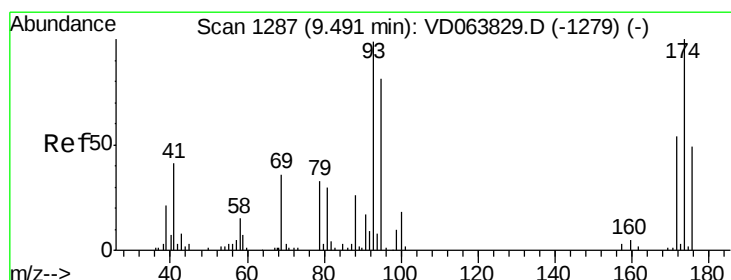
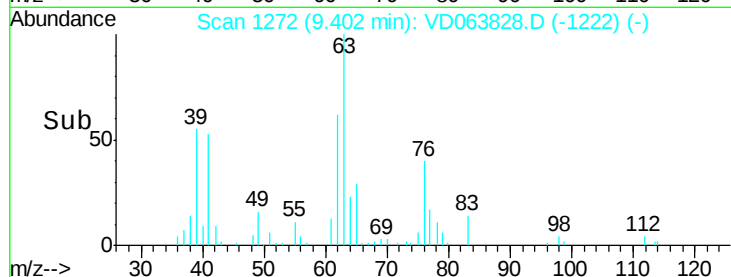
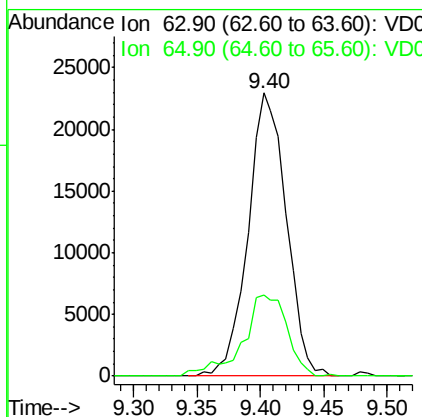
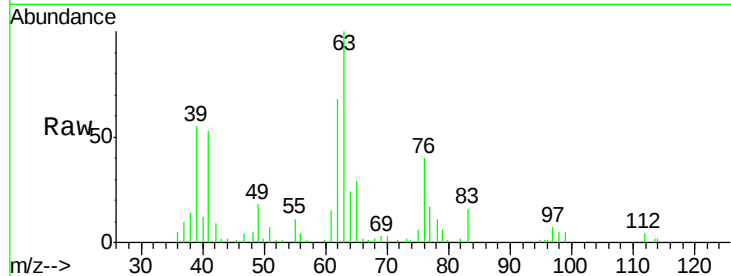
#45
 1,2-Dichloropropane
 Concen: 20.507 ug/l
 RT: 9.40 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 48110
 Ion Ratio Lower Upper
 63 100
 65 28.9 26.8 40.2

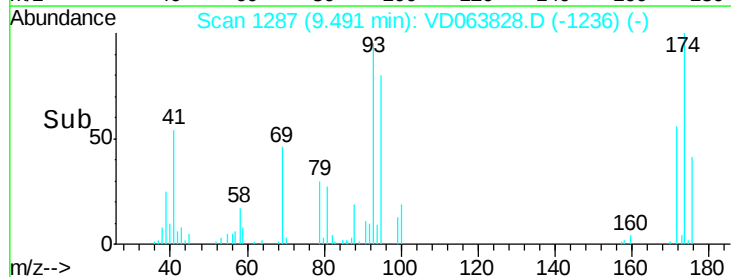
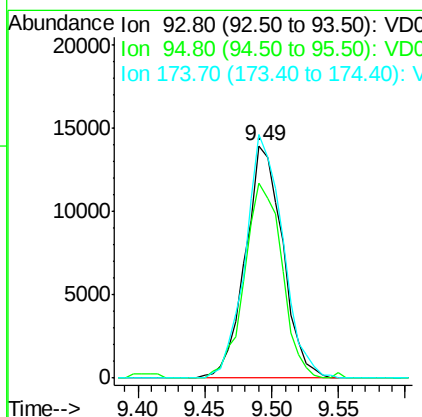
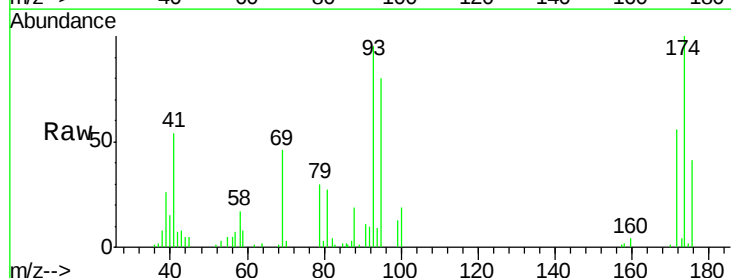
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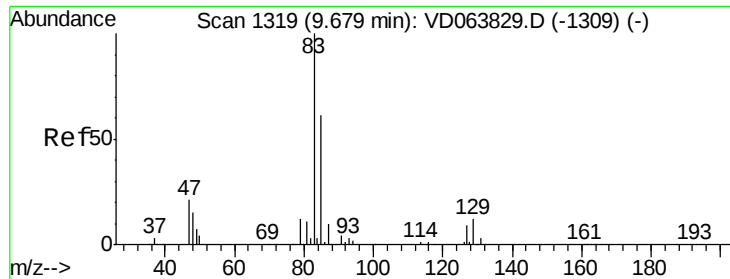
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#46
 Dibromomethane
 Concen: 20.288 ug/l
 RT: 9.49 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Tgt Ion: 93 Resp: 26864
 Ion Ratio Lower Upper
 93 100
 95 84.5 63.8 95.8
 174 105.8 84.2 126.2





#47

Bromodichloromethane

Concen: 20.557 ug/l

RT: 9.68 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

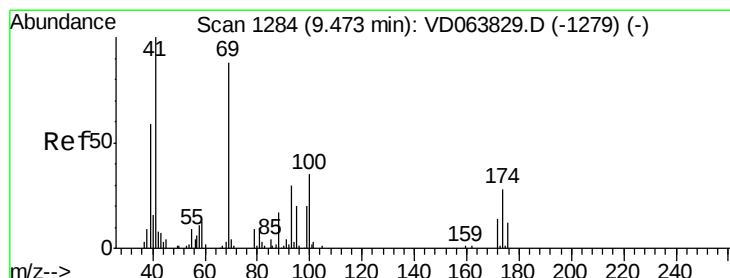
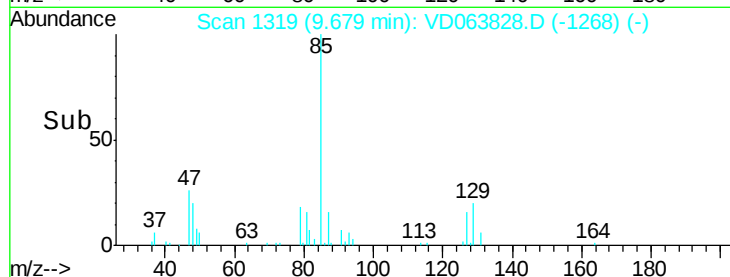
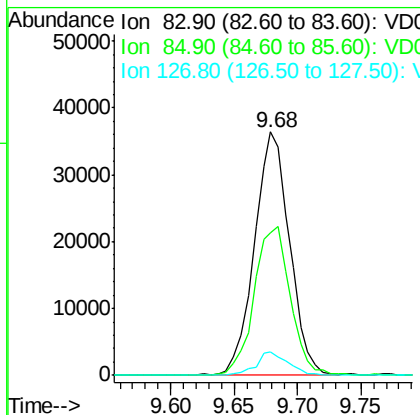
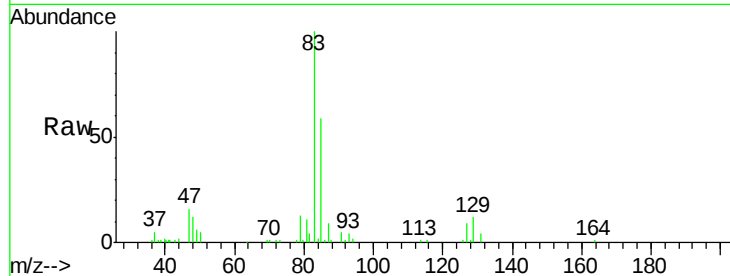
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	70169
Ion	Ratio	Lower	Upper
83	100		
85	58.7	48.6	73.0
127	9.5	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.551 ug/l

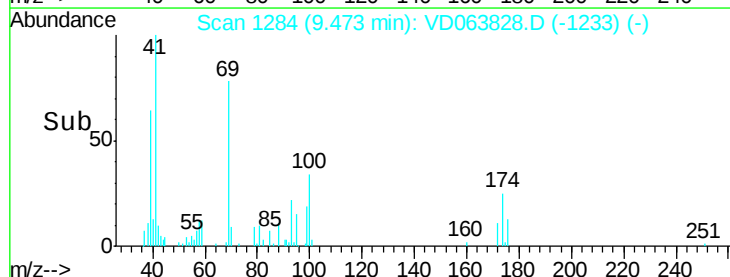
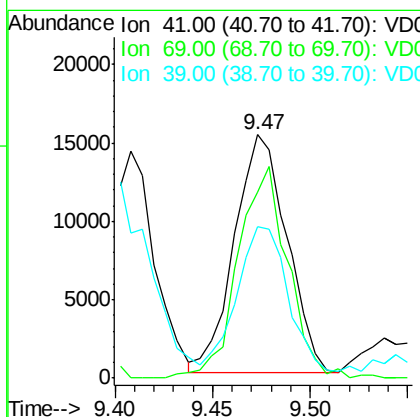
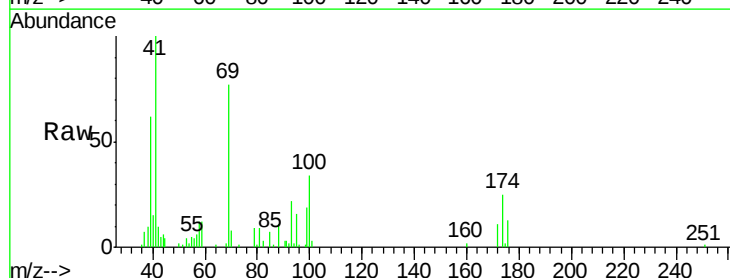
RT: 9.47 min Scan# 1284

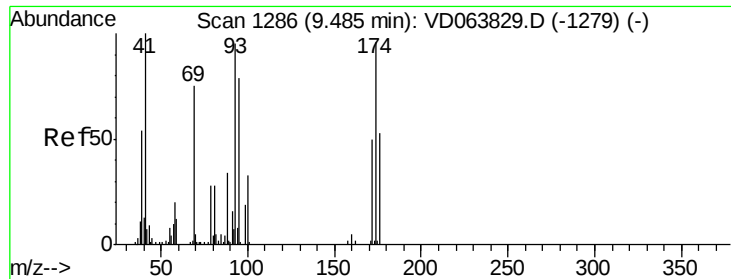
Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Tgt Ion:	41	Resp:	28301
Ion	Ratio	Lower	Upper
41	100		
69	84.6	71.7	107.5
39	65.0	51.7	77.5





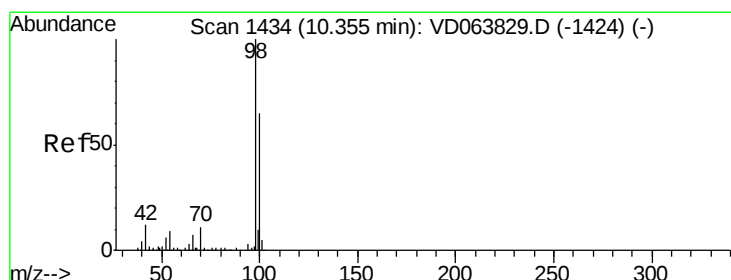
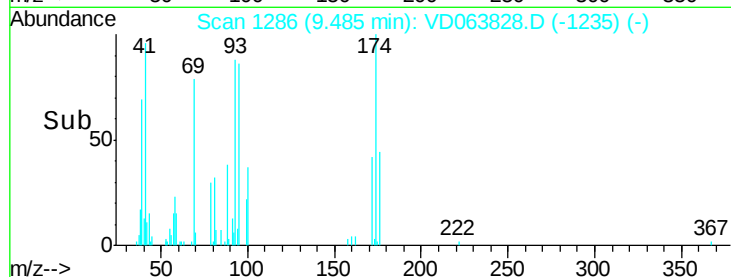
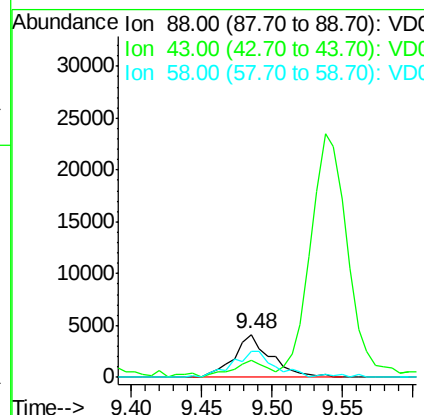
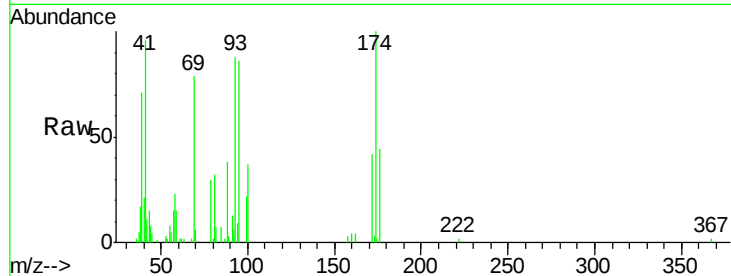
#49
1,4-Dioxane
Concen: 409.704 ug/l
RT: 9.48 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	25.8	38.6
58	69.0	55.9	83.9

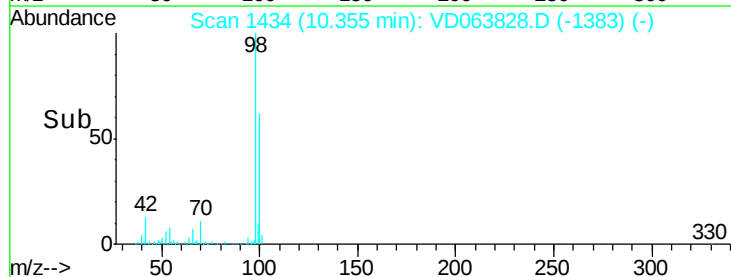
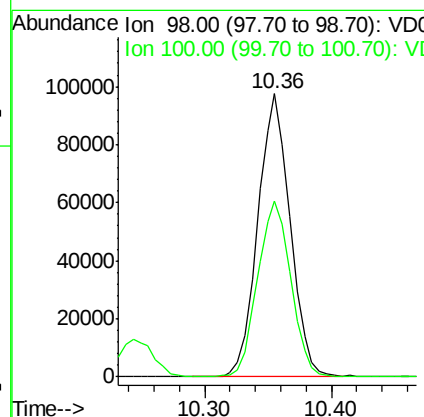
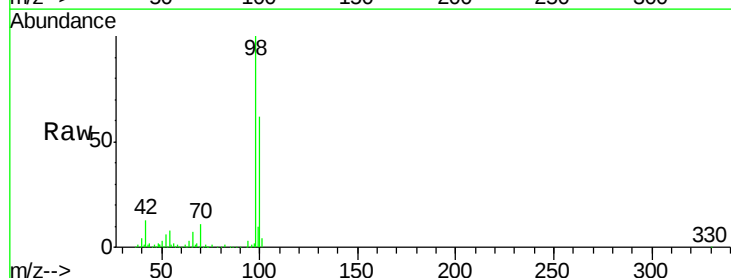
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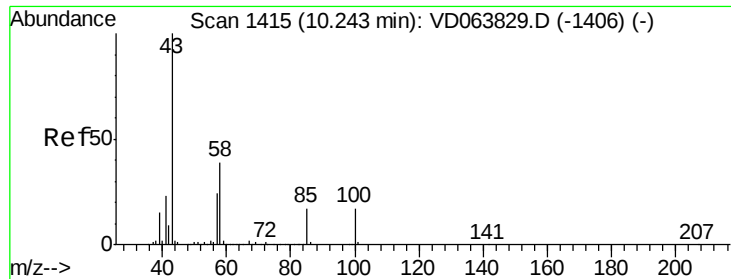
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#50
Toluene-d8
Concen: 19.146 ug/l
RT: 10.36 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4





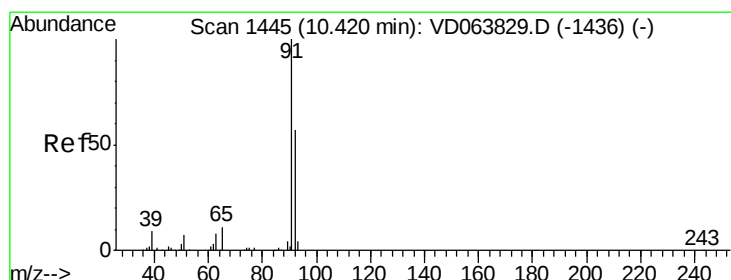
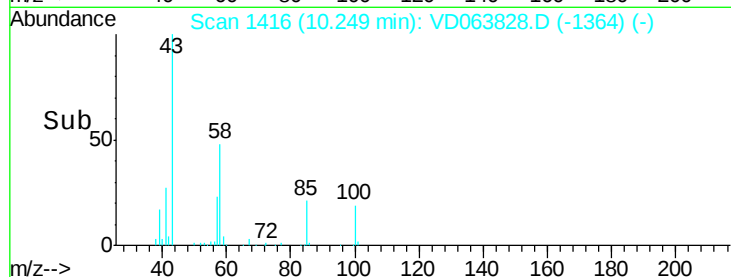
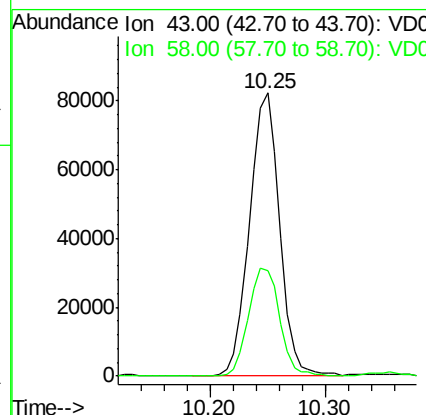
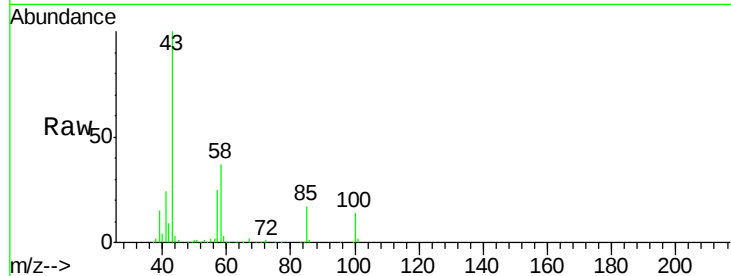
#51
4-Methyl-2-Pentanone
Concen: 103.144 ug/l
RT: 10.25 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	30.9	46.3

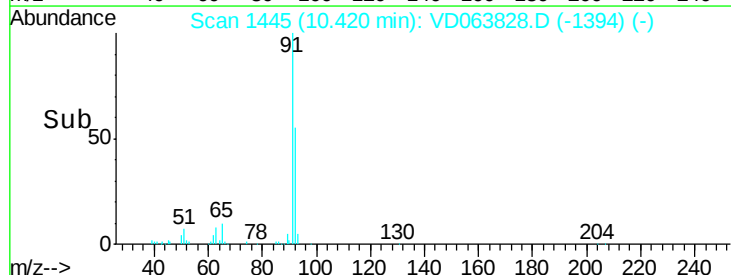
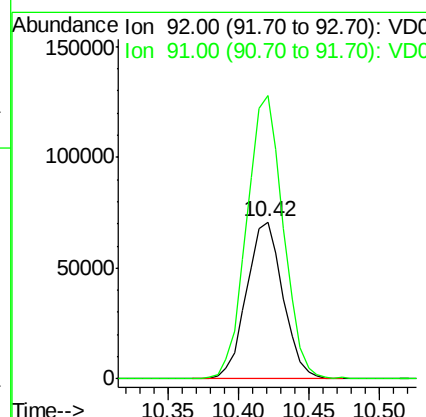
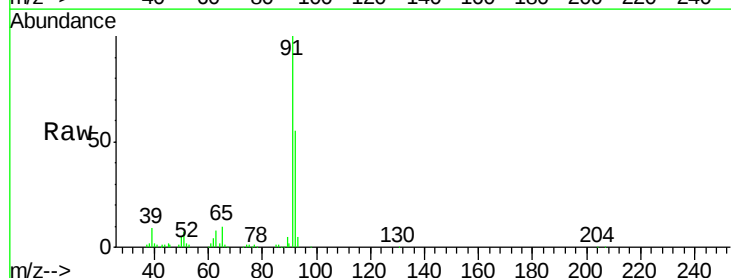
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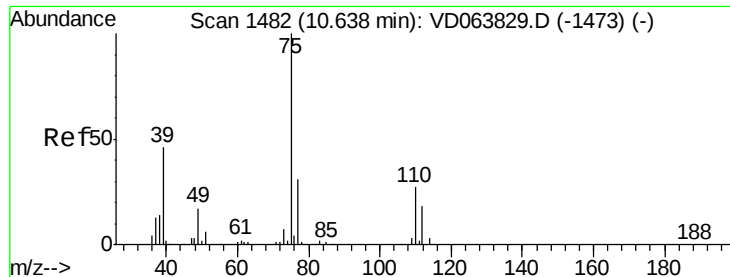
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#52
Toluene
Concen: 19.923 ug/l
RT: 10.42 min Scan# 1445
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	181.5	139.7	209.5





#53

t-1,3-Dichloropropene

Concen: 20.346 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 68838

Ion Ratio Lower Upper

75 100

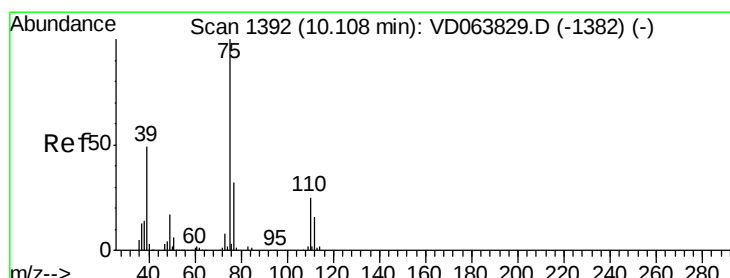
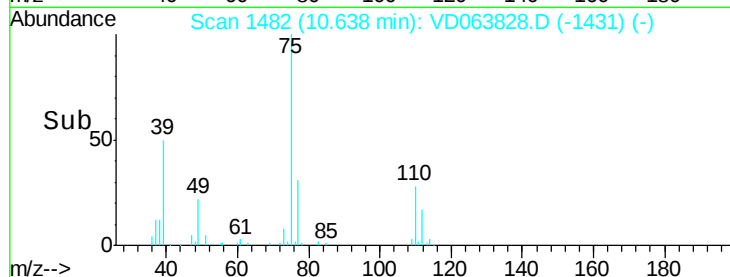
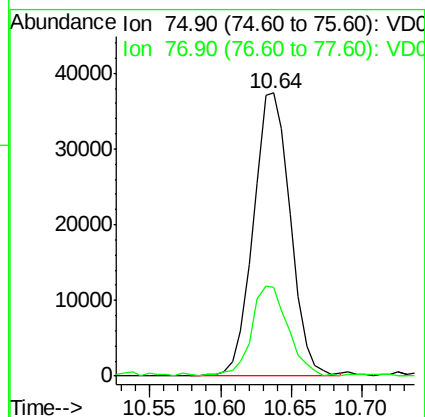
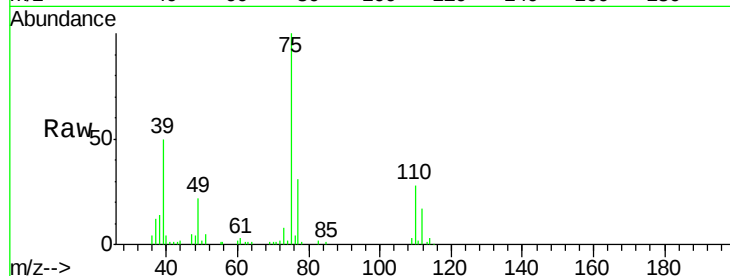
77 31.2 24.9 37.3

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#54

cis-1,3-Dichloropropene

Concen: 20.879 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

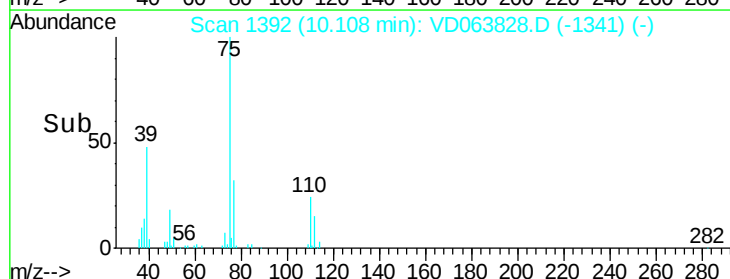
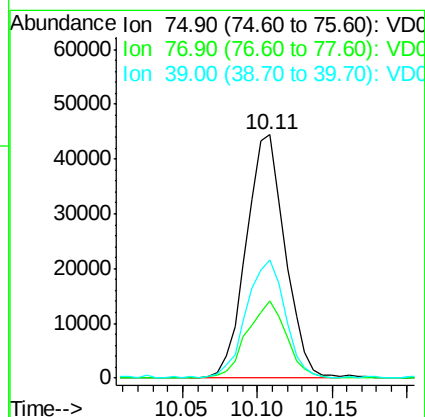
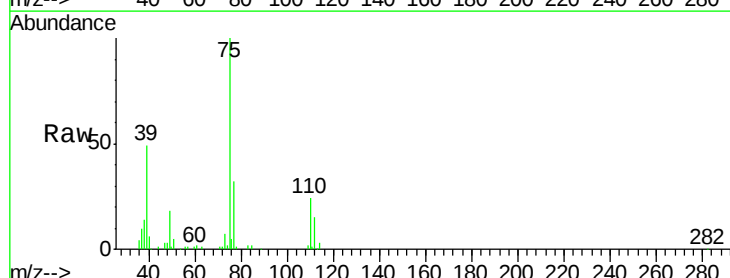
Tgt Ion: 75 Resp: 80188

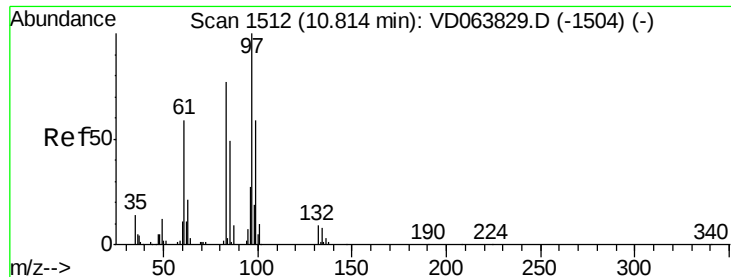
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 48.5 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 20.785 ug/l

RT: 10.82 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

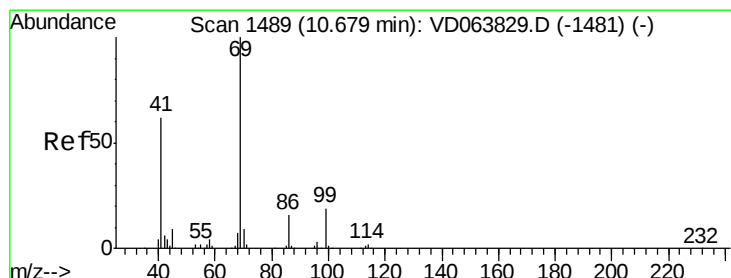
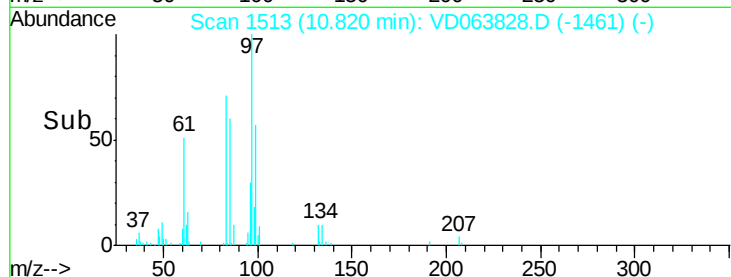
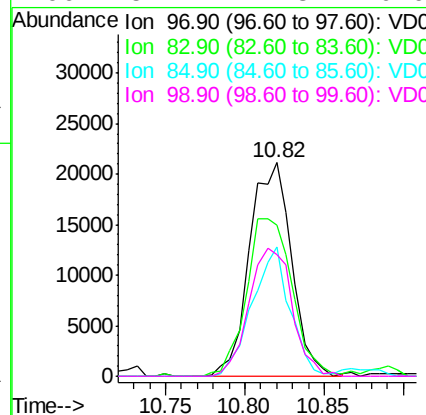
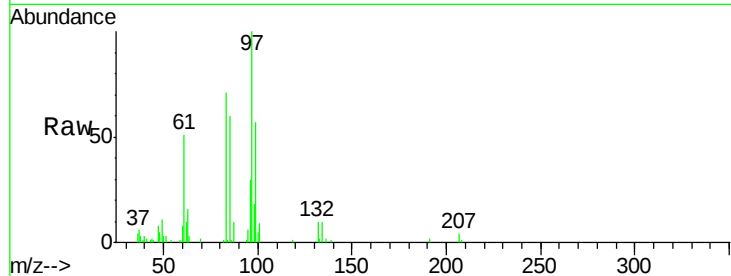
ClientSampleId :

VSTDIC020

Tot Ion	97	Resp:	38888
Ion	Ratio	Lower	Upper
97	100		
83	70.8	61.9	92.9
85	60.4	39.4	59.2#
99	57.2	47.3	70.9

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#56

Ethyl methacrylate

Concen: 20.129 ug/l

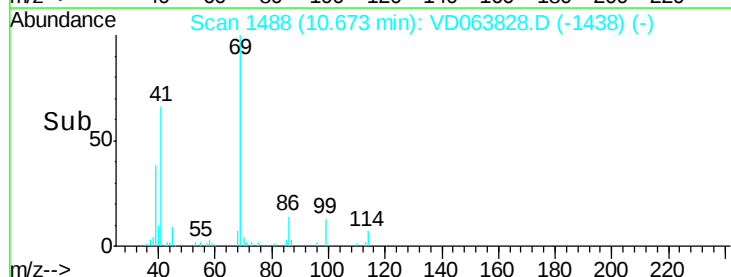
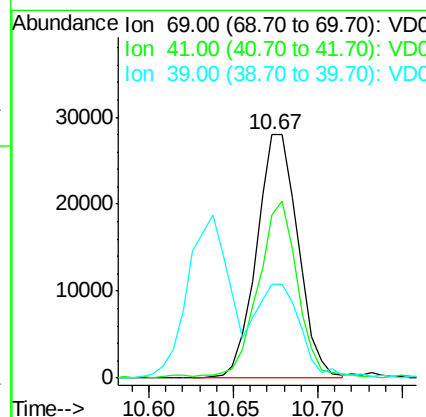
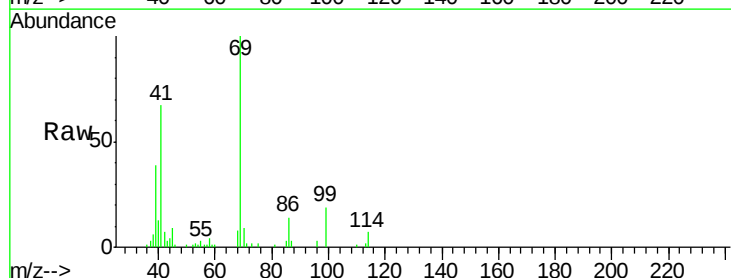
RT: 10.67 min Scan# 1488

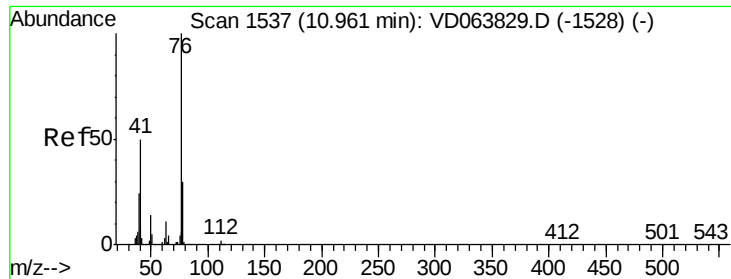
Delta R.T. -0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Tgt Ion	69	Resp:	47867
Ion	Ratio	Lower	Upper
69	100		
41	69.6	52.2	78.4
39	39.6	28.7	43.1





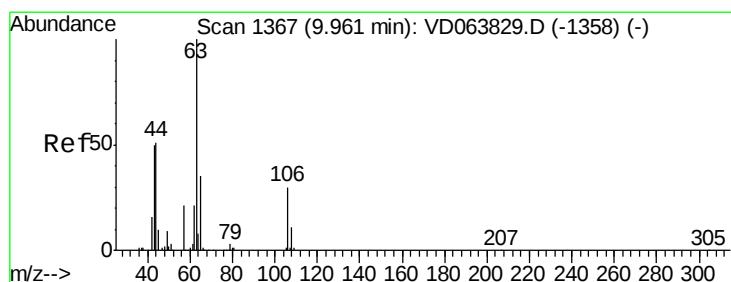
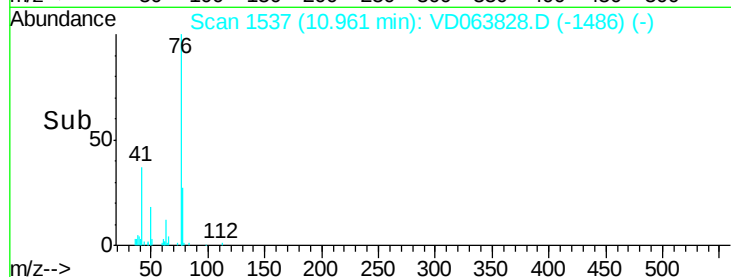
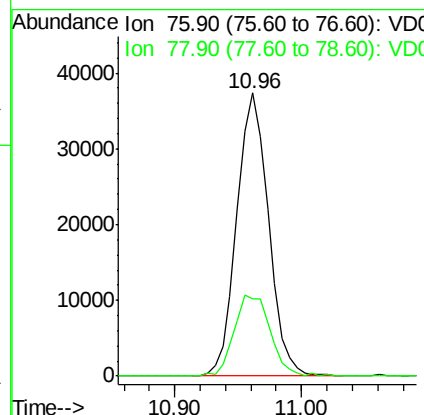
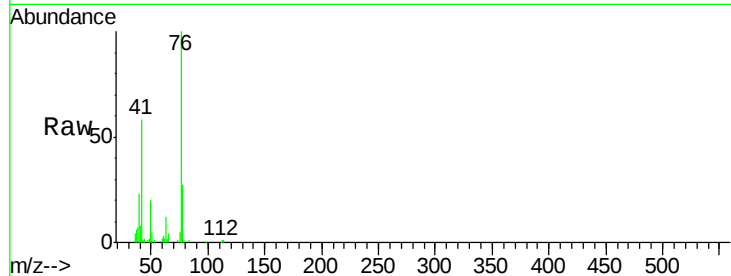
#57
 1,3-Dichloropropane
 Concen: 20.422 ug/l
 RT: 10.96 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 64921
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

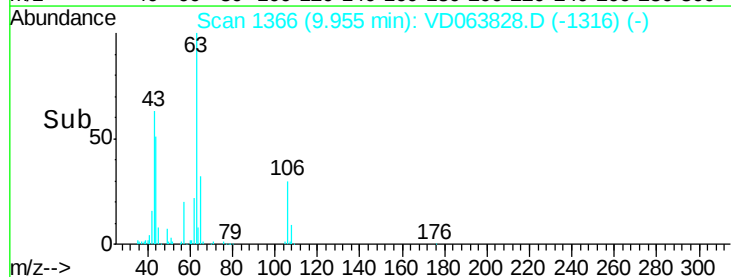
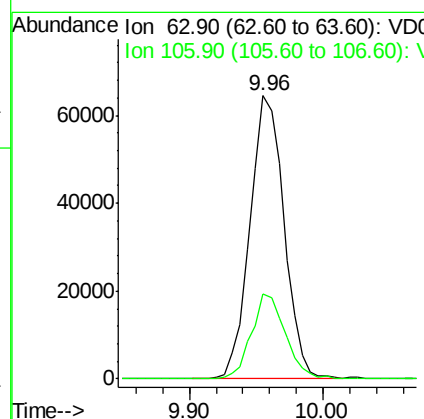
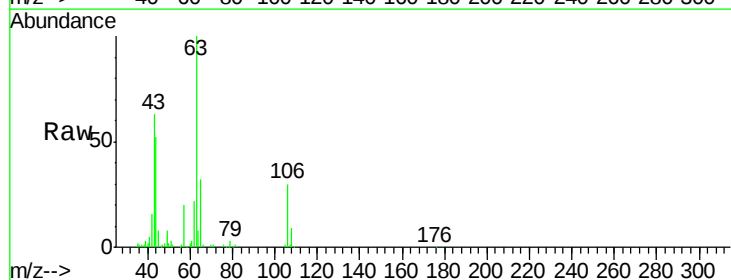
Manual Integrations
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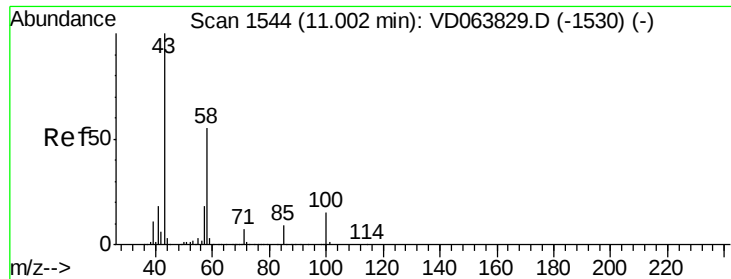
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.856 ug/l
 RT: 9.96 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Tgt Ion: 63 Resp: 113573
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.4 35.0





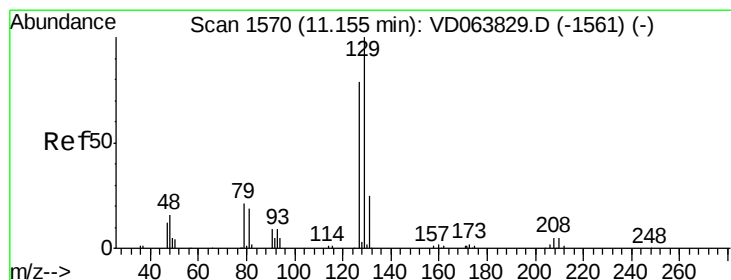
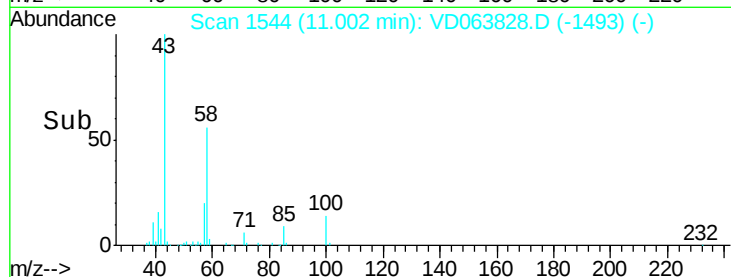
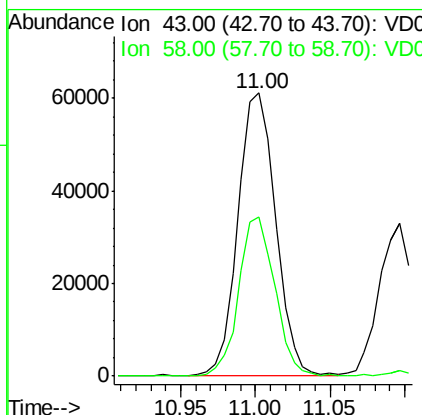
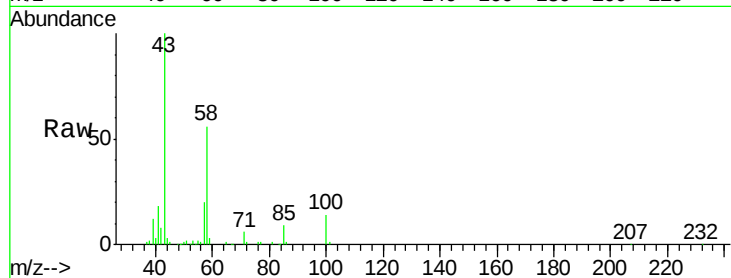
#59
2-Hexanone
Concen: 103.815 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 107740
Ion Ratio Lower Upper
43 100
58 53.6 27.6 82.7

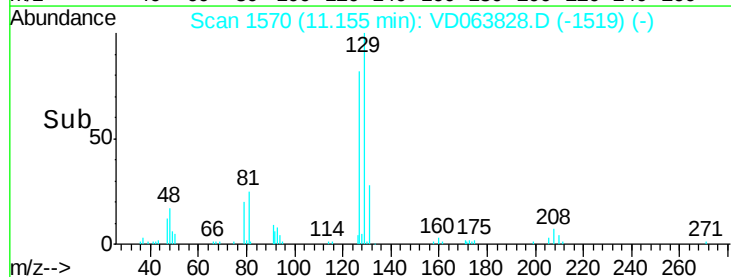
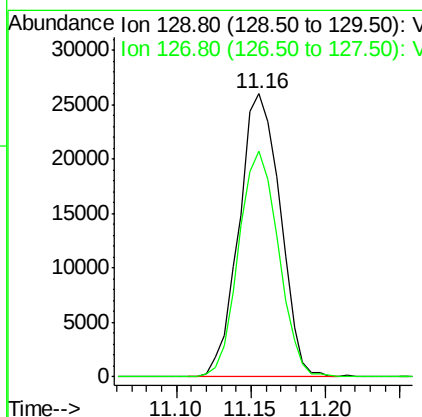
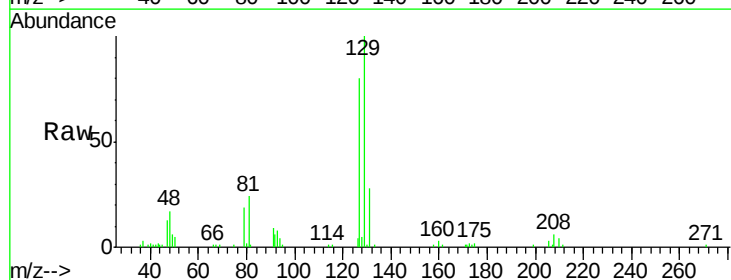
Manual Integrations
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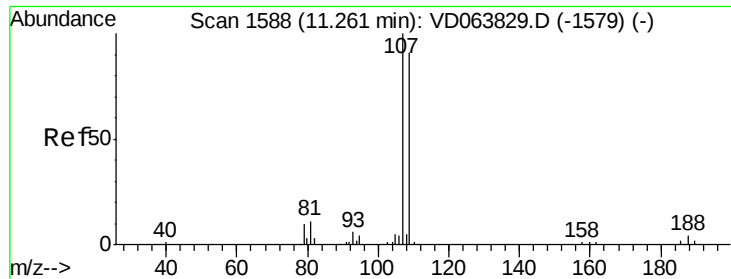
MMDadoda
10/1/2019 9:26:06 AM



#60
Dibromochloromethane
Concen: 20.164 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion: 129 Resp: 49786
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3





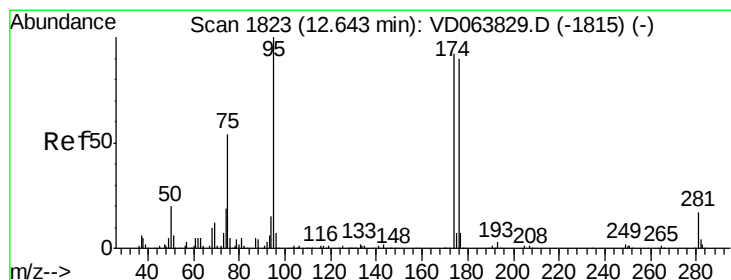
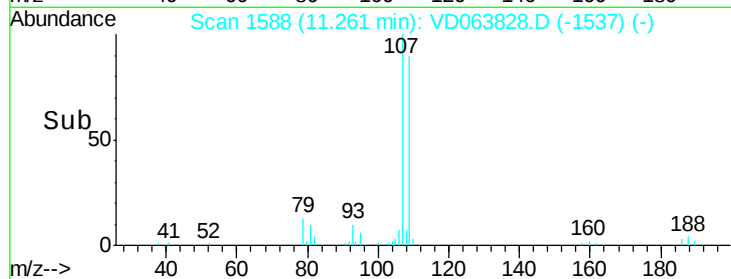
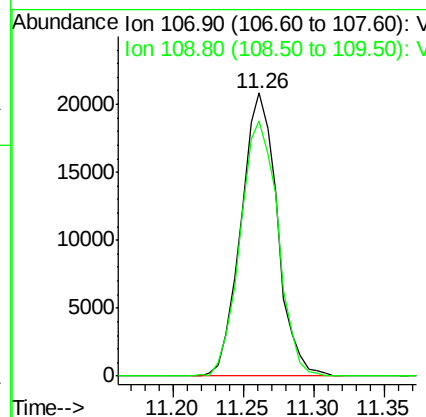
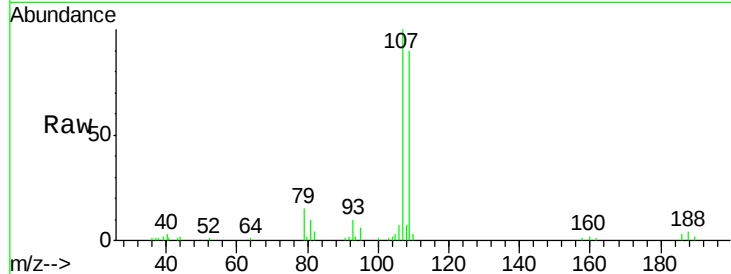
#61
 1,2-Dibromoethane
 Concen: 20.050 ug/l
 RT: 11.26 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	74.9	112.3

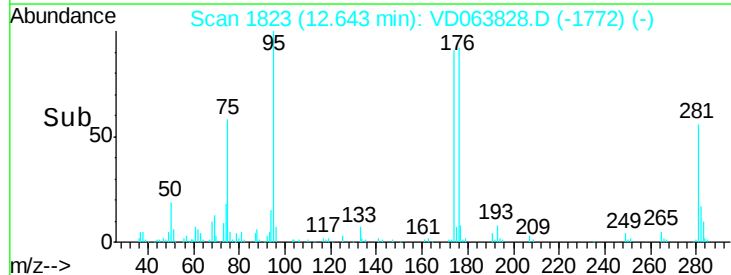
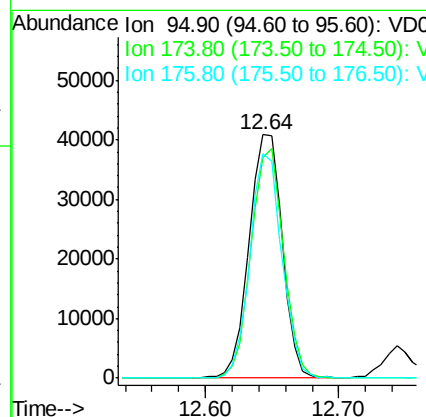
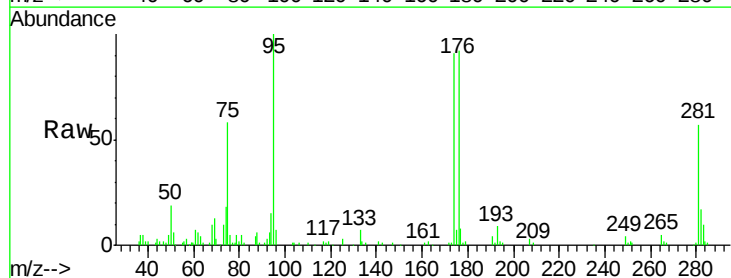
Manual Integrations
 APPROVED

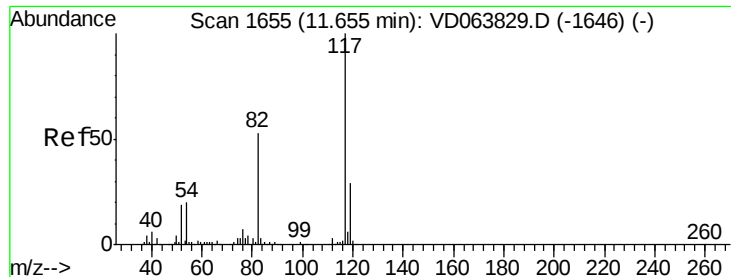
MMDadoda
 10/1/2019 9:26:06 AM



#62
 4-Bromofluorobenzene
 Concen: 21.580 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	183.2
176	89.1	0.0	177.4





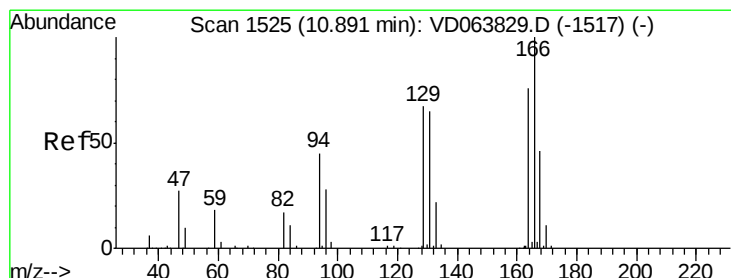
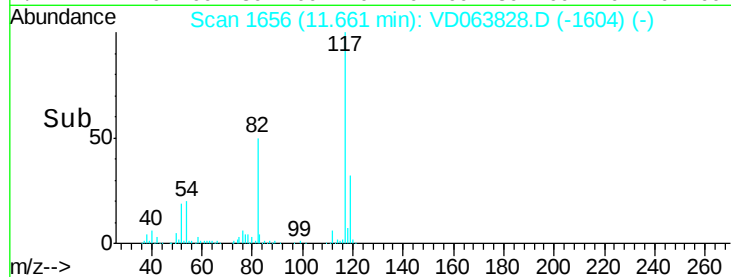
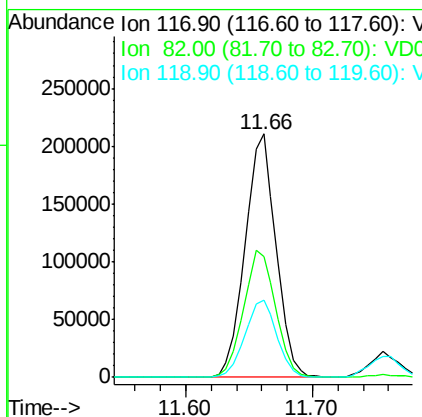
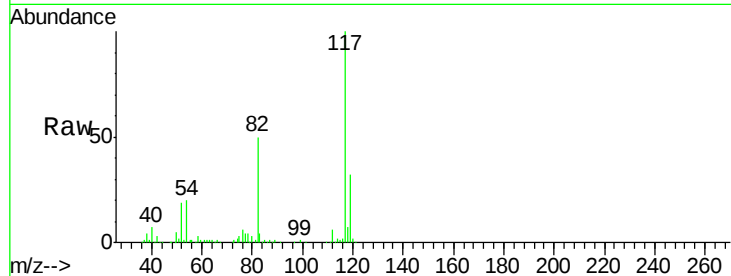
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	357425		
82	49.7		42.4	63.6
119	31.6		23.5	35.3

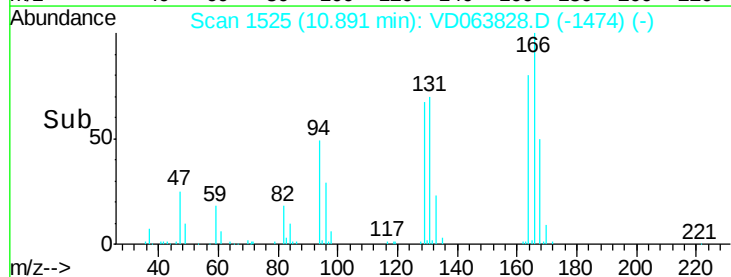
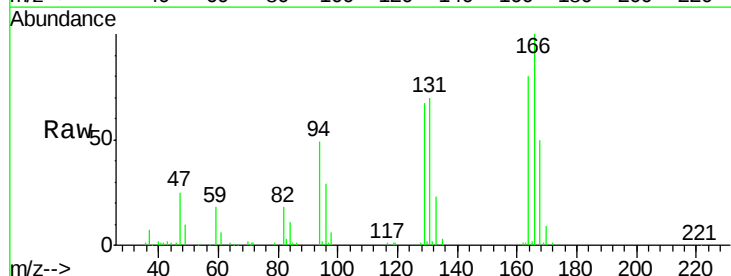
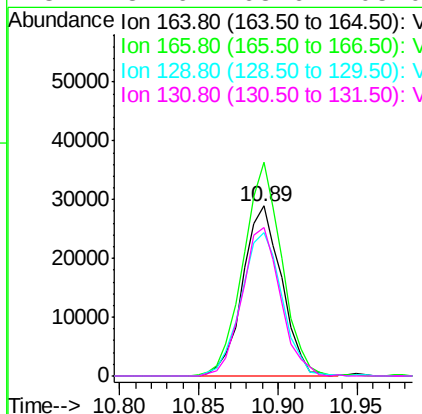
Manual Integrations
APPROVED

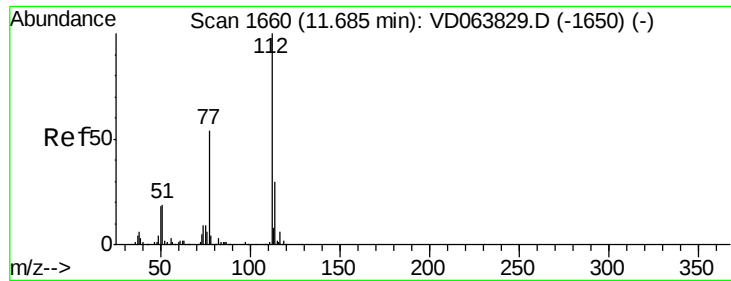
MMDadoda
10/1/2019 9:26:06 AM



#64
Tetrachloroethene
Concen: 20.432 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49193		
166	125.5		105.5	158.3
129	84.6		70.2	105.4
131	87.6		68.6	103.0





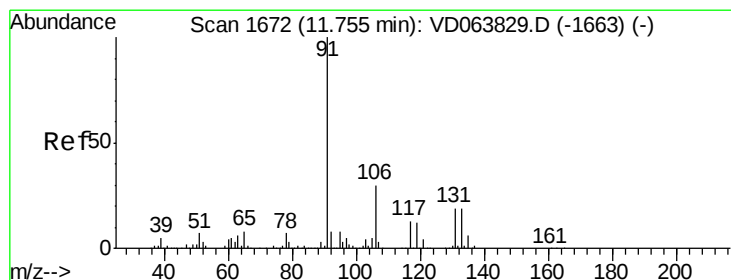
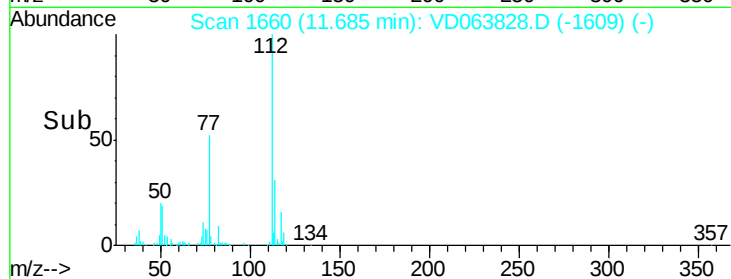
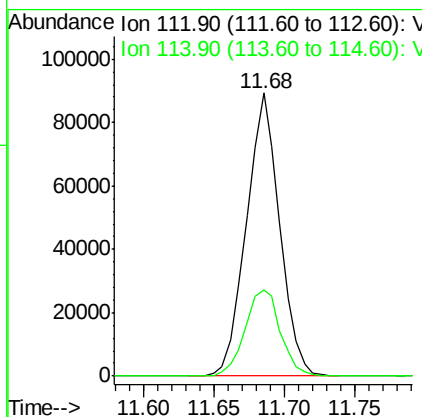
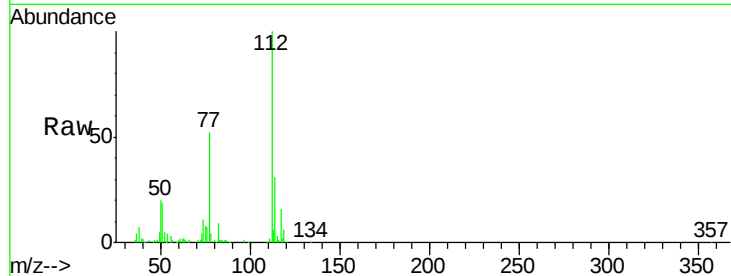
#65
Chlorobenzene
Concen: 20.504 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	24.2	36.2

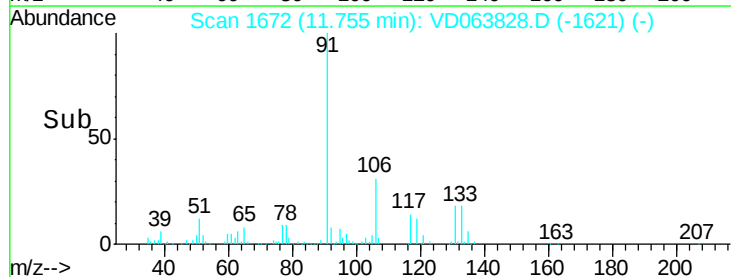
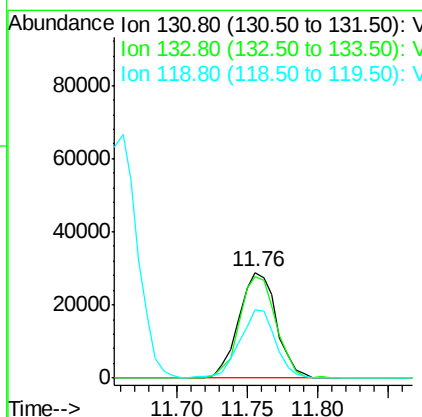
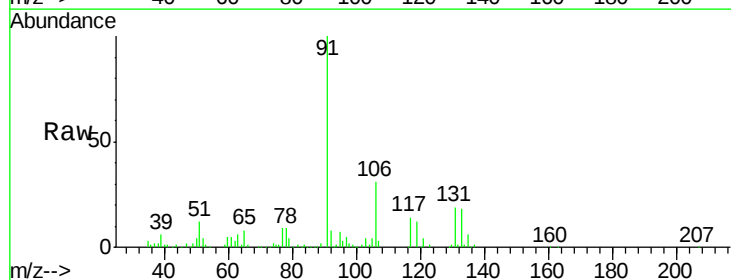
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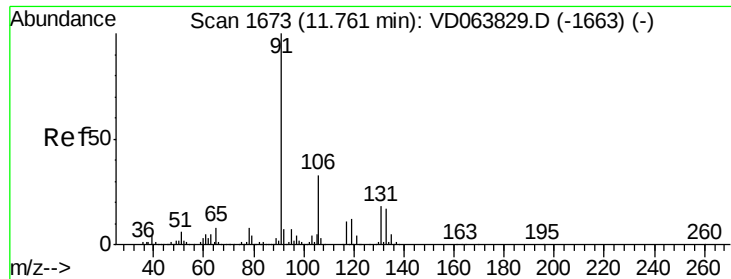
MMDadoda
10/1/2019 9:26:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.426 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.4	142.3
119	61.1	31.6	94.8





#67

Ethyl Benzene

Concen: 20.545 ug/l

RT: 11.76 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 266822

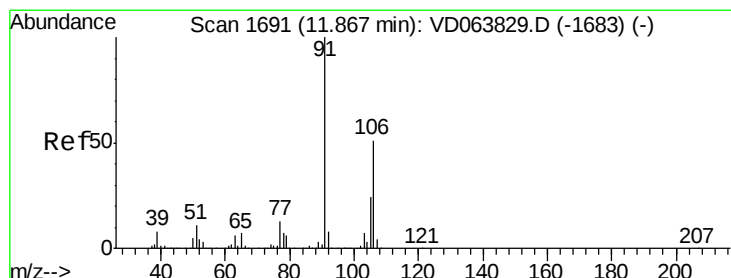
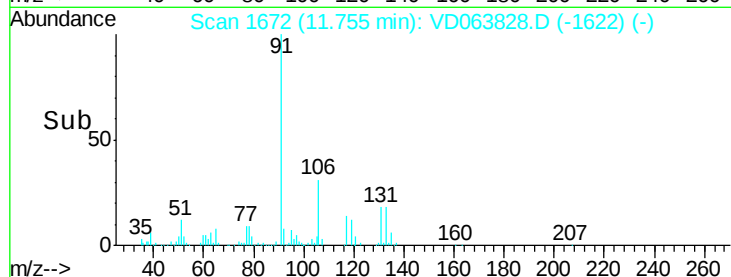
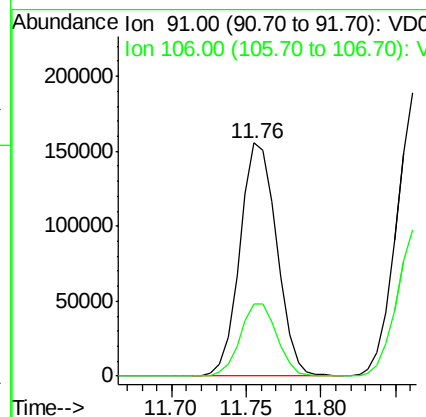
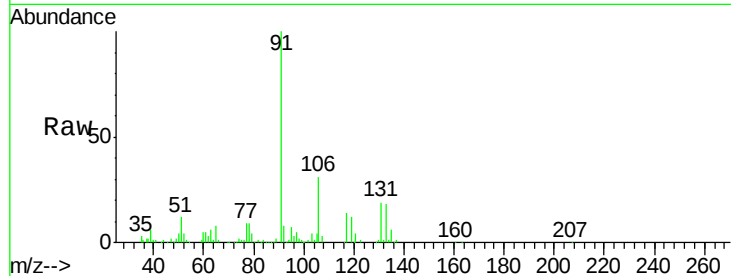
Ion Ratio Lower Upper

91 100

106 31.1 26.6 40.0

Manual Integrations
APPROVED

MMDadoda
10/1/2019 9:26:06 AM



#68

m/p-Xylenes

Concen: 40.929 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063828.D

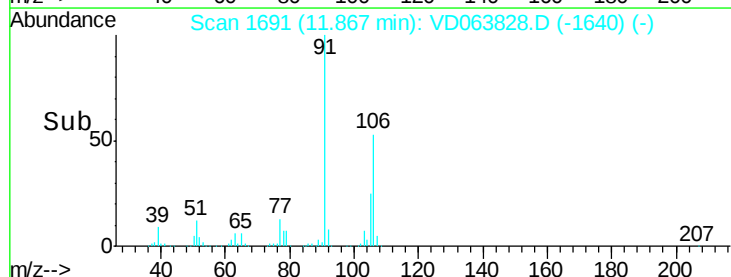
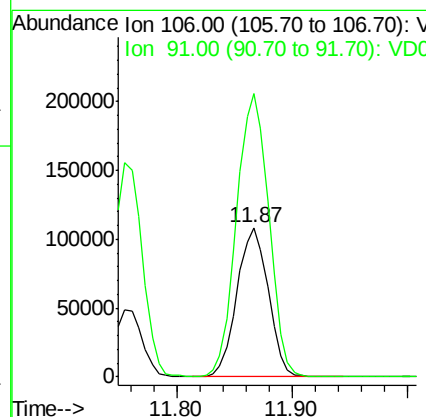
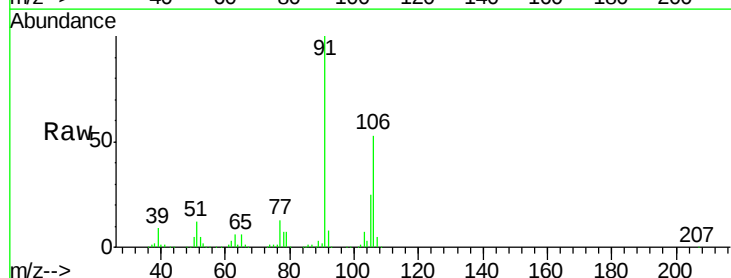
Acq: 25 Sep 2019 17:53

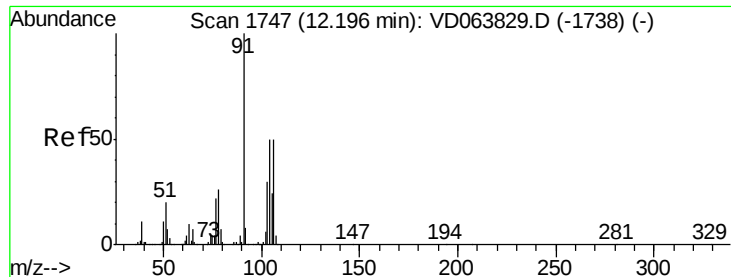
Tgt Ion: 106 Resp: 204125

Ion Ratio Lower Upper

106 100

91 195.5 157.6 236.4





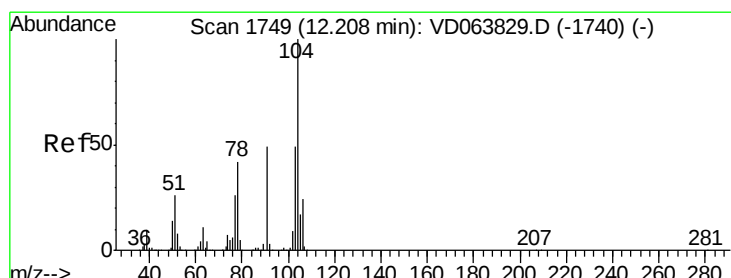
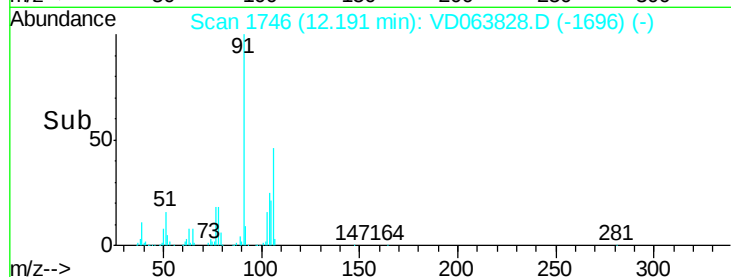
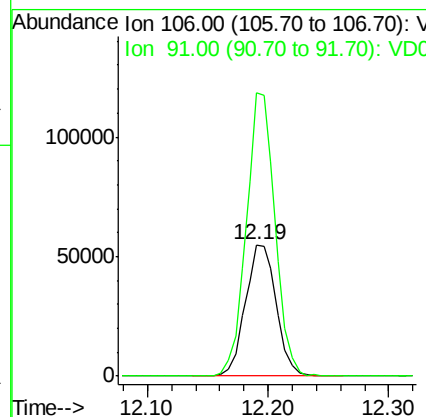
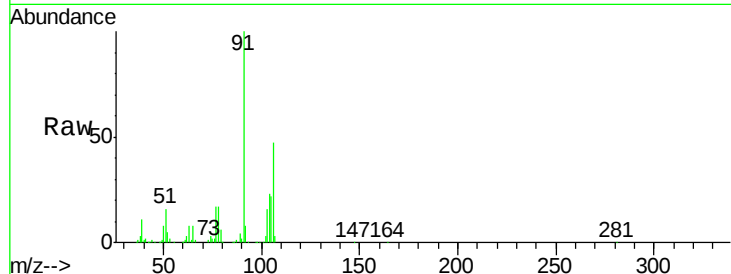
#69
o-Xylene
Concen: 20.781 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	200.4	102.4	307.1

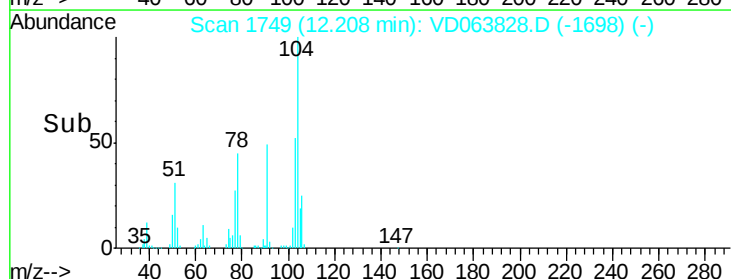
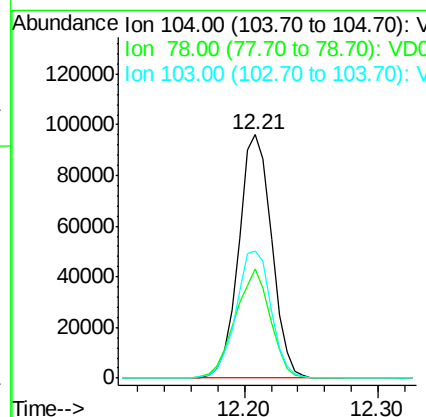
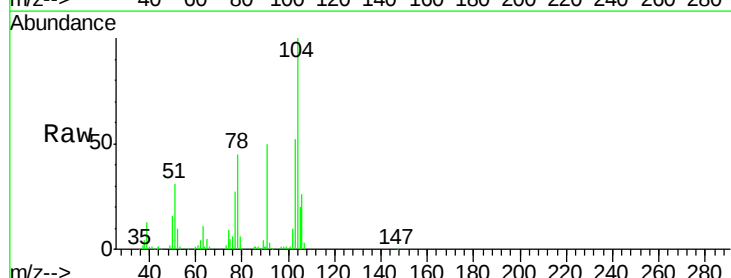
Manual Integrations
APPROVED

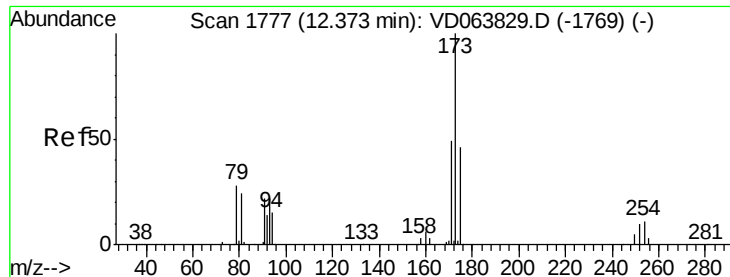
MMDadoda
10/1/2019 9:26:06 AM



#70
Styrene
Concen: 20.610 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.3	55.9
103	55.9	44.2	66.4





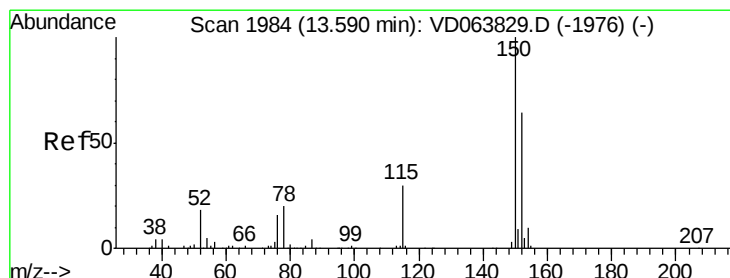
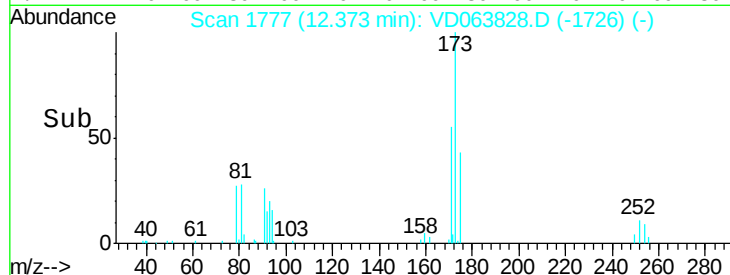
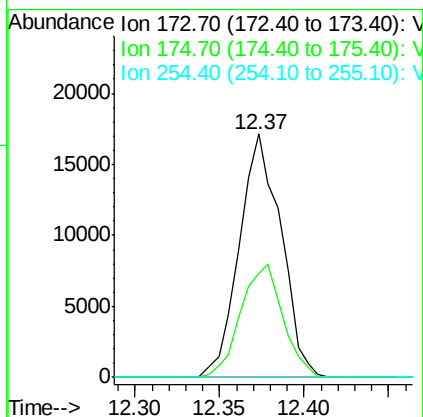
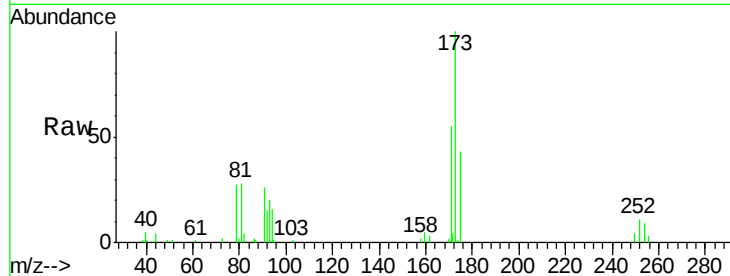
#71
Bromoform
Concen: 19.995 ug/l
RT: 12.37 min Scan# 1777
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.3	69.8
254	0.0	0.1	0.1#

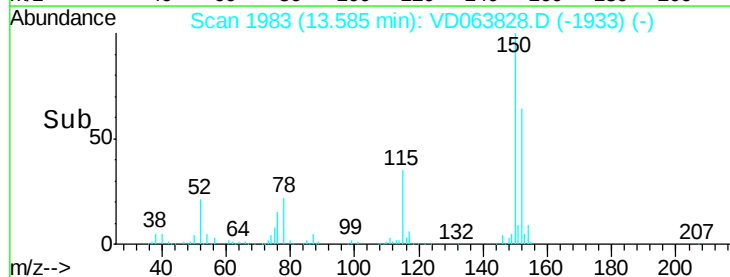
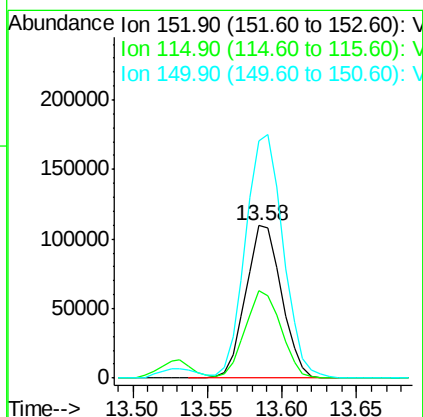
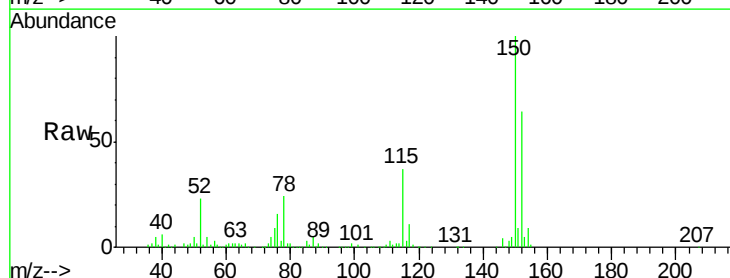
Manual Integrations
APPROVED

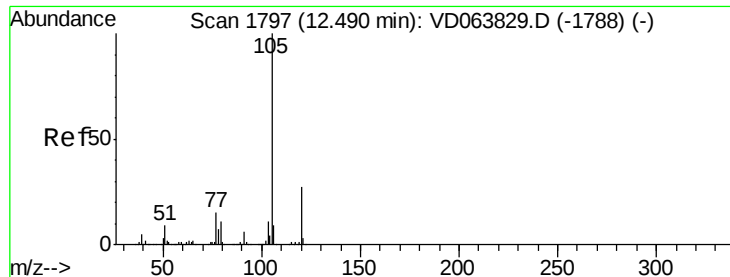
MMDadoda
10/1/2019 9:26:06 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	27.0	81.0
150	168.2	0.0	344.0





#73

Isopropylbenzene

Concen: 20.866 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 259391

Ion Ratio Lower Upper

105 100

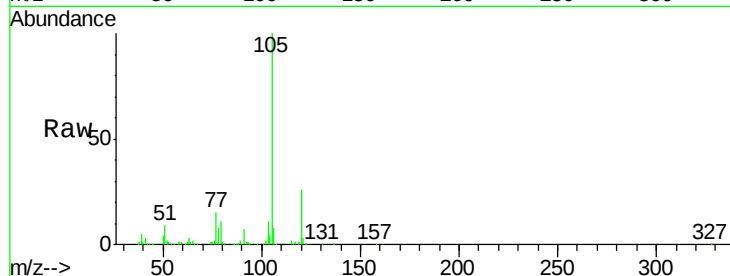
120 26.5 13.7 41.0

Manual Integrations

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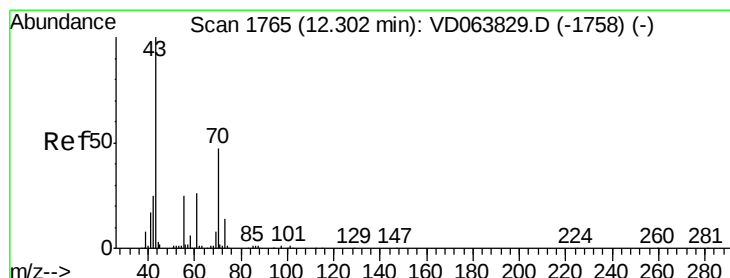
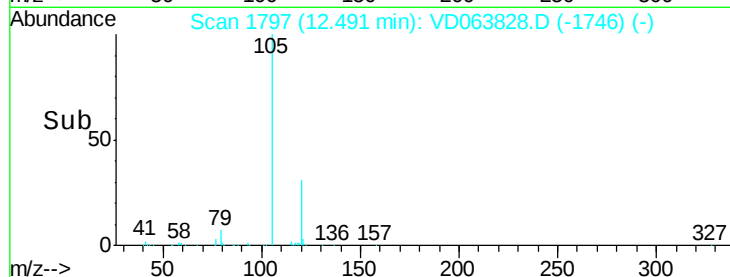
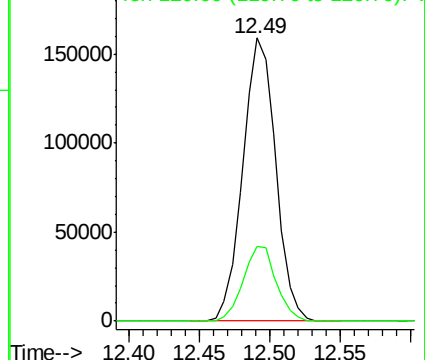
MMDadoda

10/1/2019 9:26:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.733 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Tgt Ion: 43 Resp: 59142

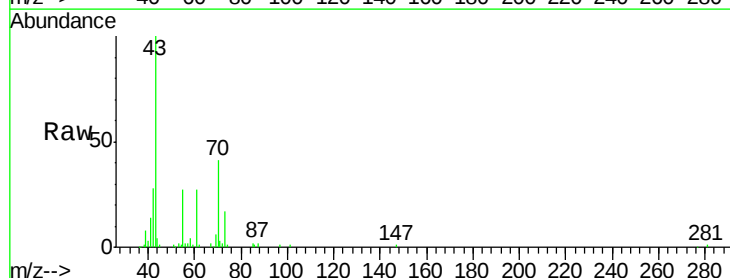
Ion Ratio Lower Upper

43 100

70 40.6 35.0 52.6

55 24.8 19.8 29.6

61 24.2 19.6 29.4

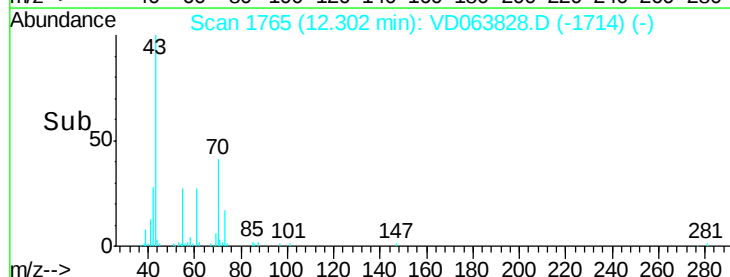
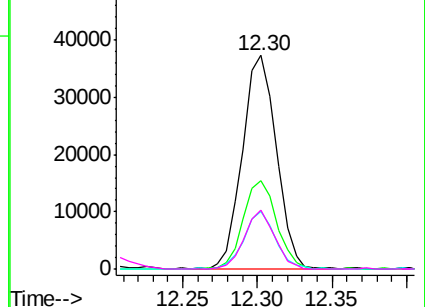


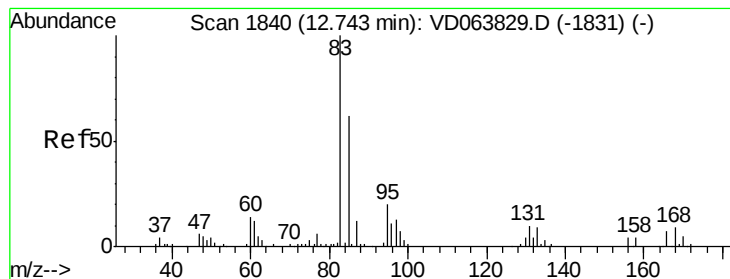
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.744 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

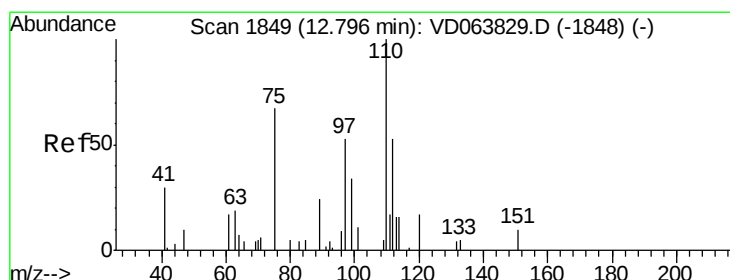
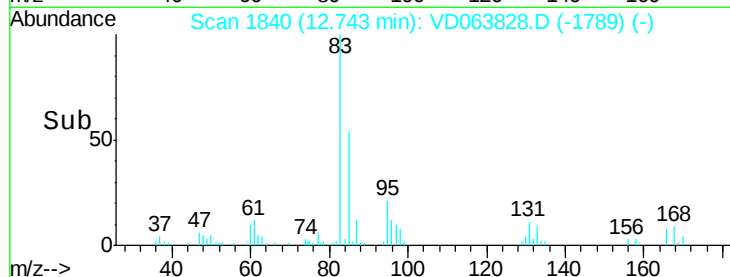
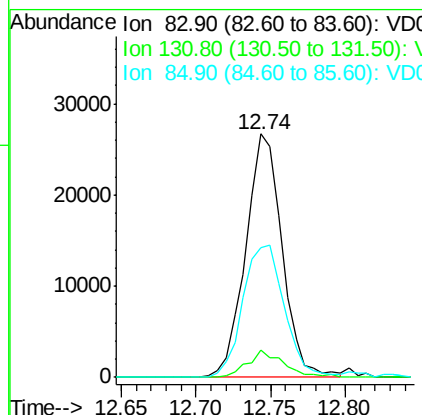
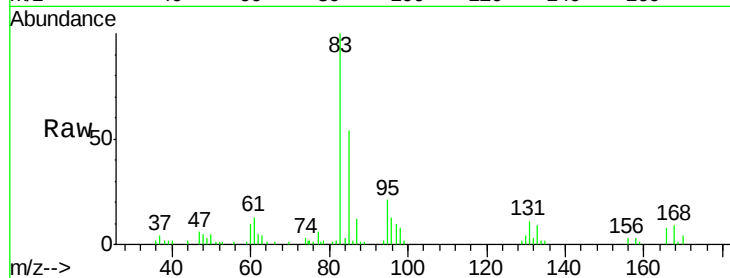
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	45056
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.6	16.8
85	62.3	31.9	95.7

Manual Integrations
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MMDadoda
10/1/2019 9:26:06 AM



#76

1,2,3-Trichloropropane

Concen: 25.803 ug/l m

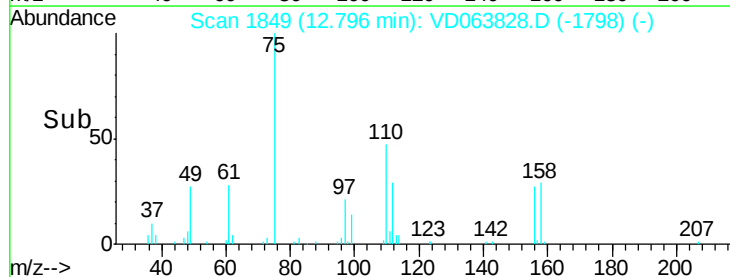
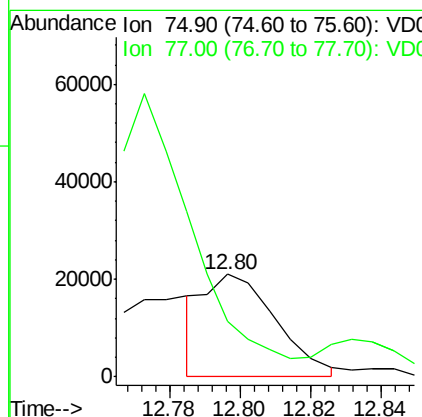
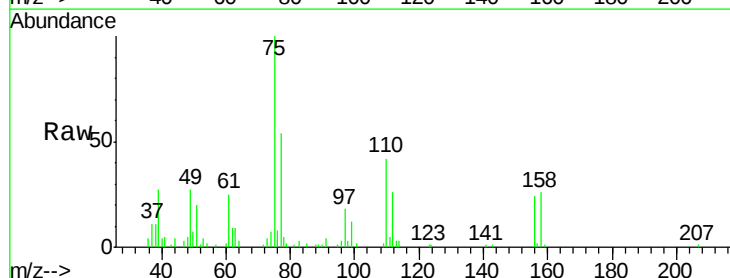
RT: 12.80 min Scan# 1849

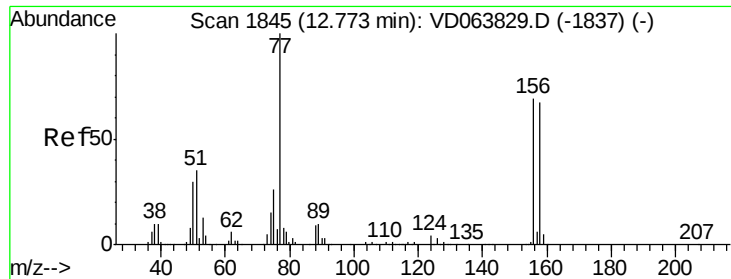
Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Tgt Ion:	75	Resp:	29783
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.569 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VD063828.D

Acq: 25 Sep 2019 17:53

Instrument :

MSVOA_D

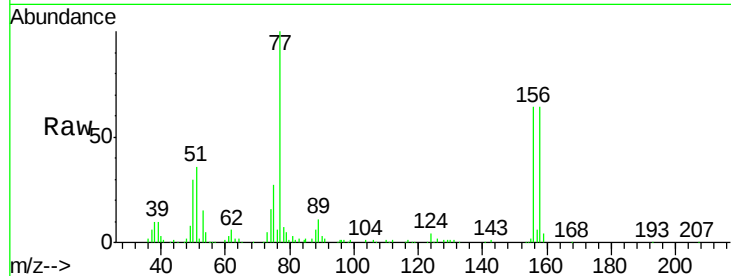
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.9	79.8	239.4
158	97.3	47.9	143.7

Manual Integrations
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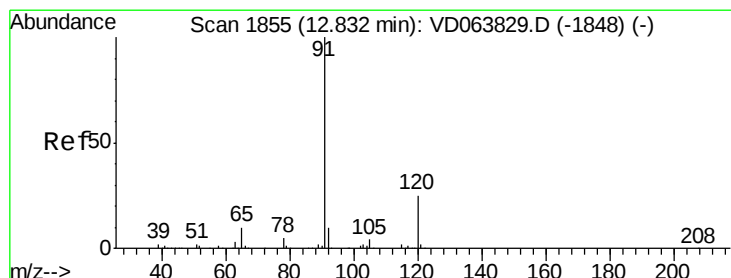
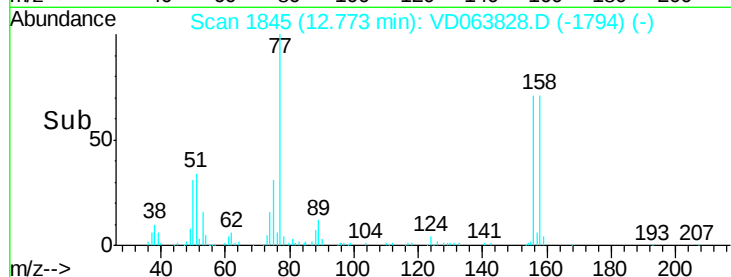
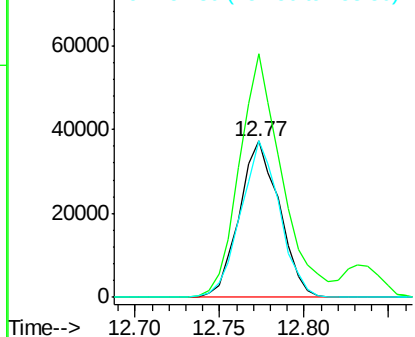
MMDadoda
10/1/2019 9:26:06 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.259 ug/l

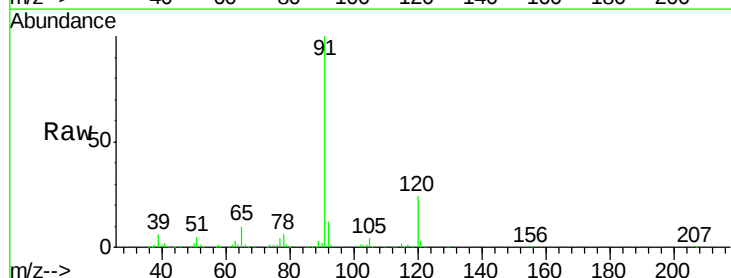
RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD063828.D

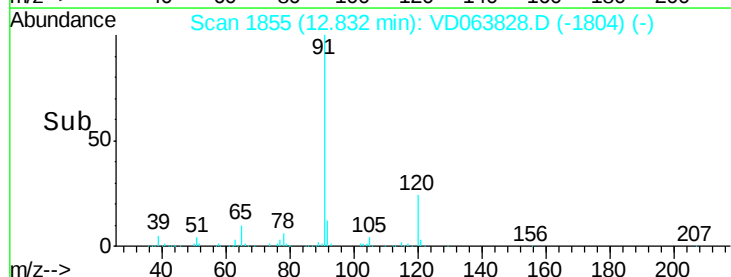
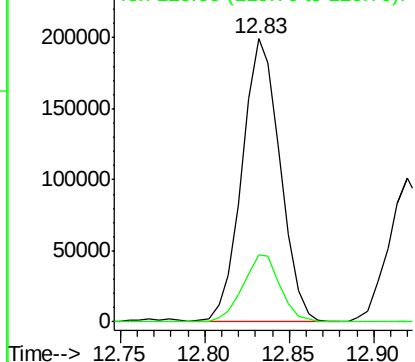
Acq: 25 Sep 2019 17:53

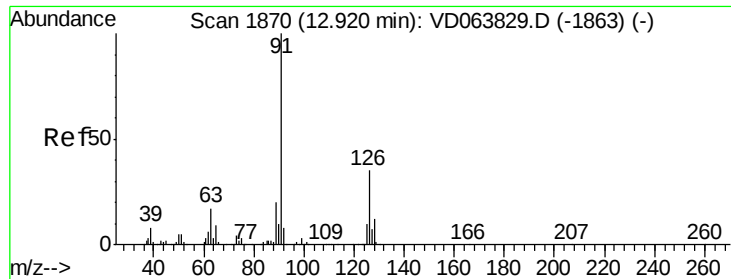
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





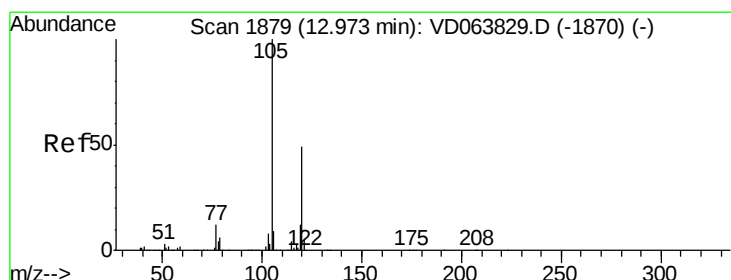
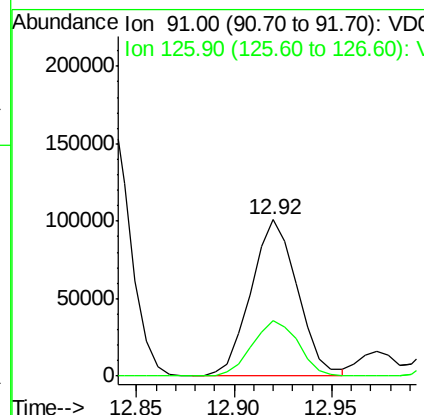
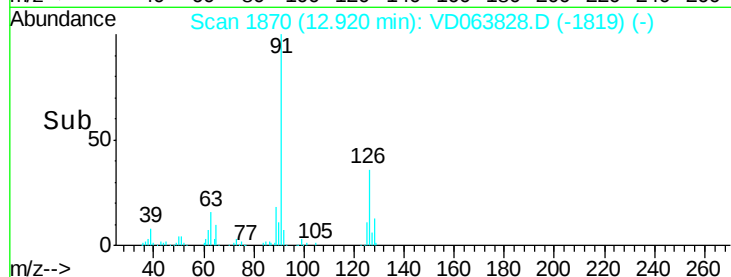
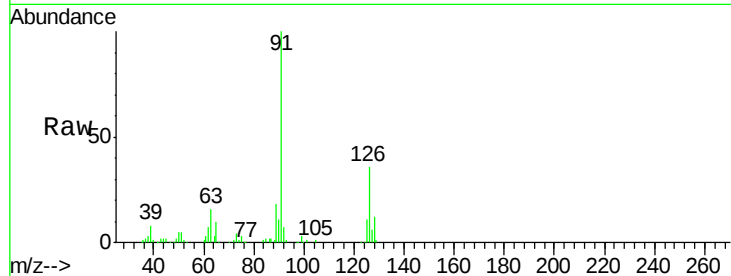
#79
 2-Chlorotoluene
 Concen: 21.111 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5

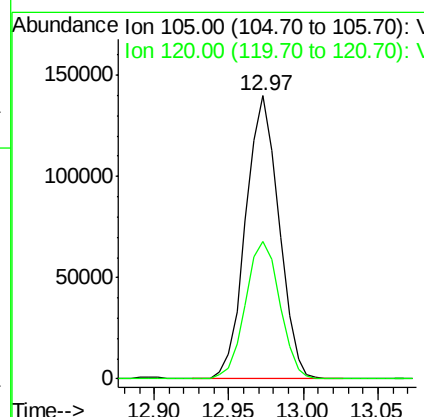
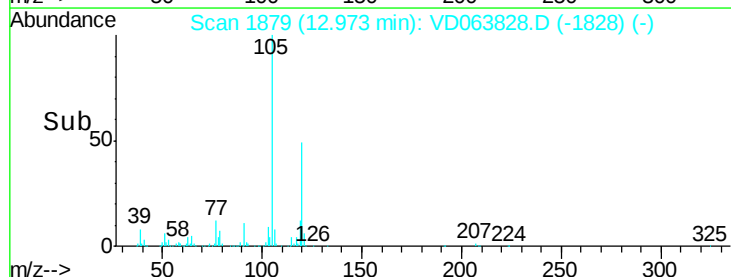
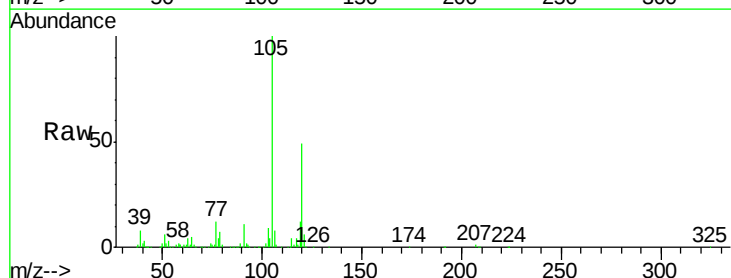
Manual Integrations
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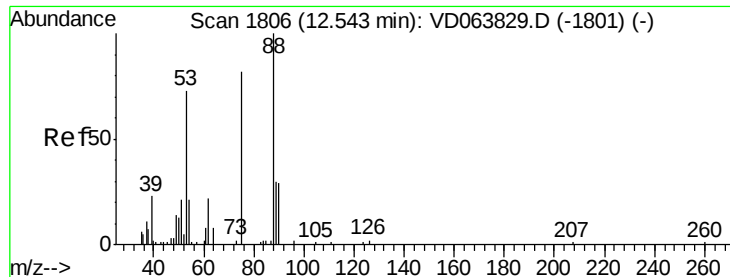
MMDadoda
 10/1/2019 9:26:06 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.874 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	24.9	74.8





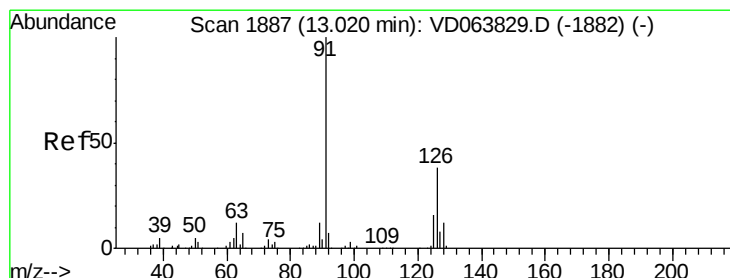
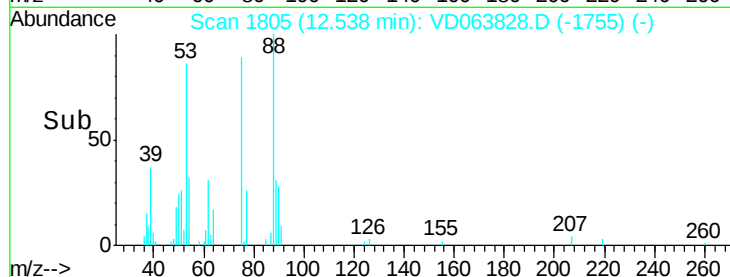
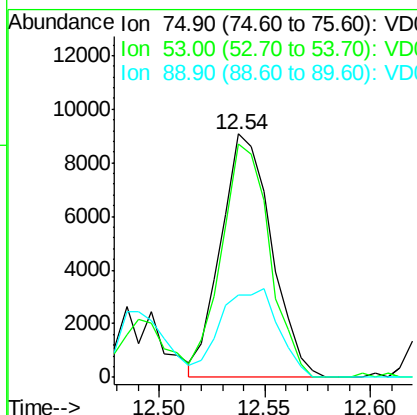
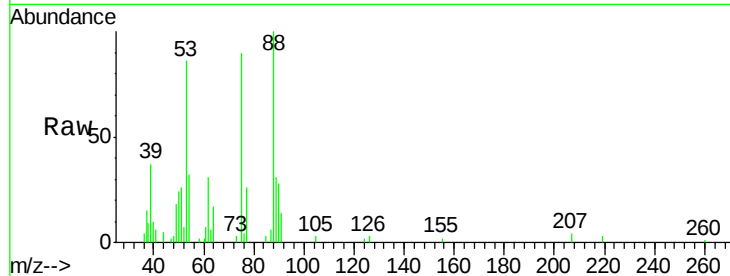
#81
trans-1,4-Dichloro-2-butene
Concen: 21.799 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.01 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.2	76.5	114.7
89	41.5	37.0	55.6

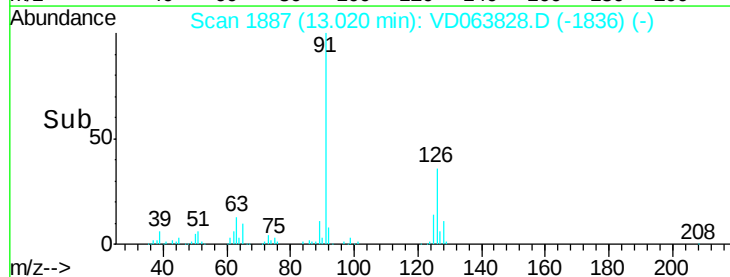
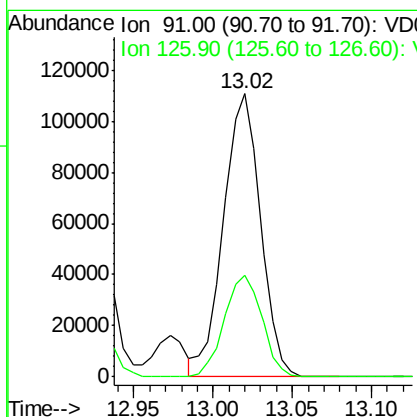
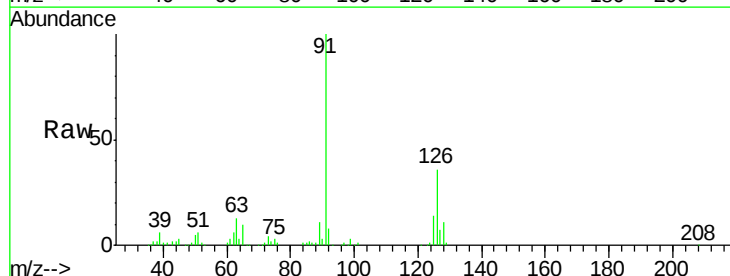
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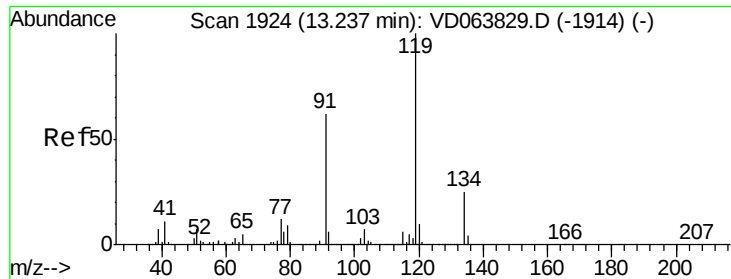
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#82
4-Chlorotoluene
Concen: 21.341 ug/l
RT: 13.02 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.6	55.6





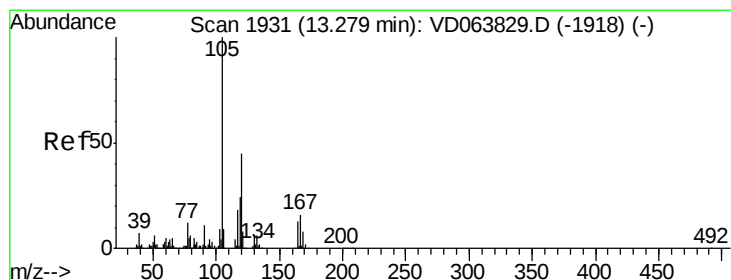
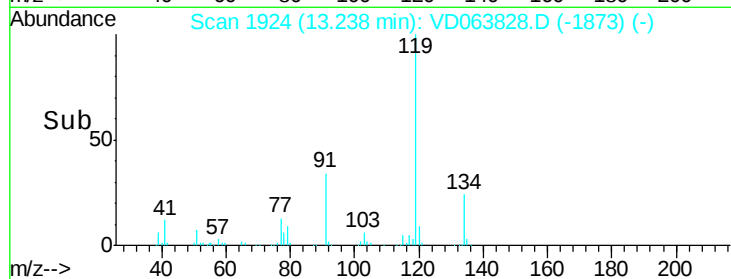
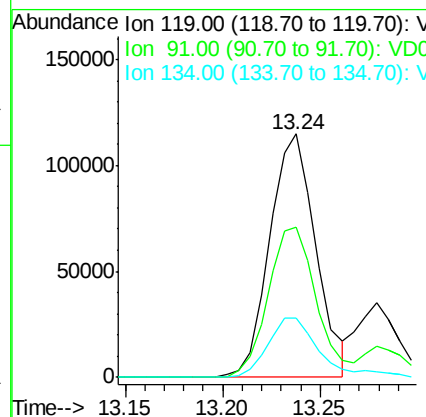
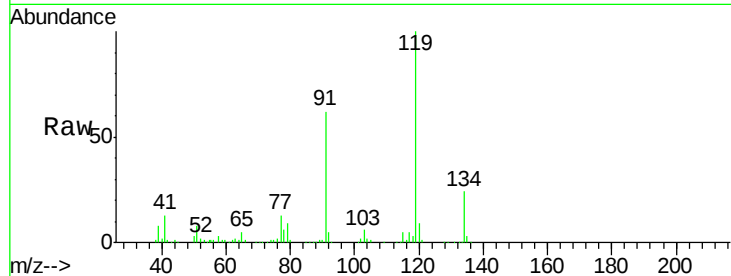
#83
tert-Butylbenzene
Concen: 20.756 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	30.8	92.3
134	27.6	13.2	39.6

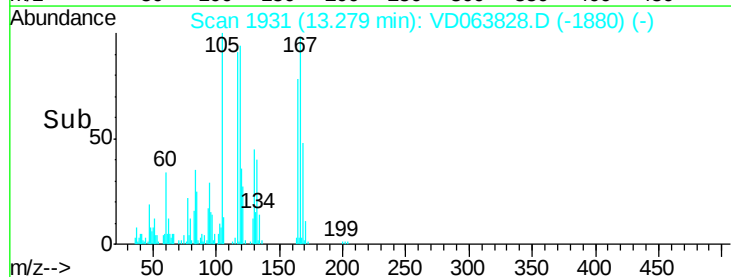
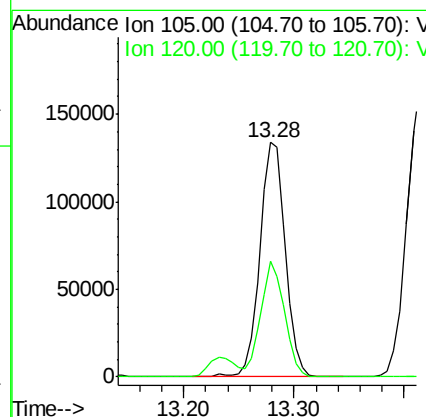
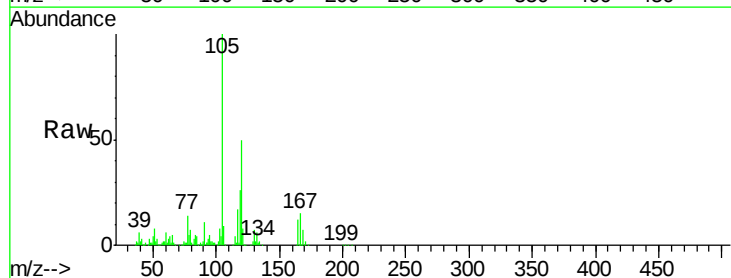
Manual Integrations
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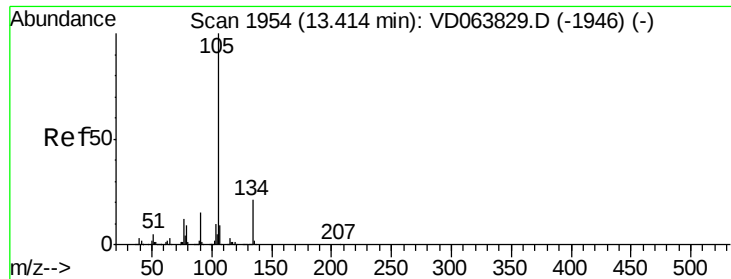
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#84
1,2,4-Trimethylbenzene
Concen: 20.529 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0





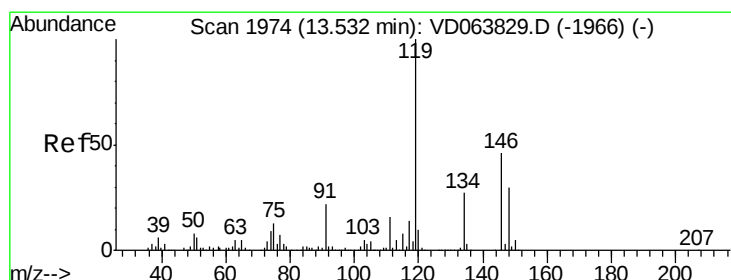
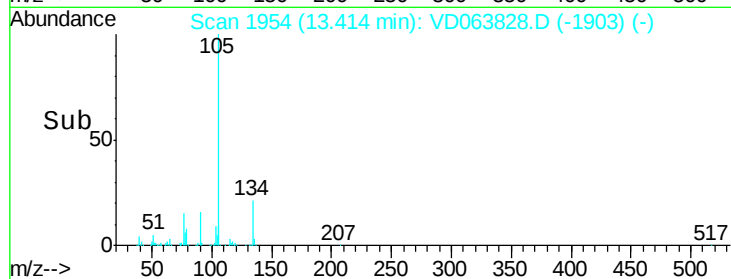
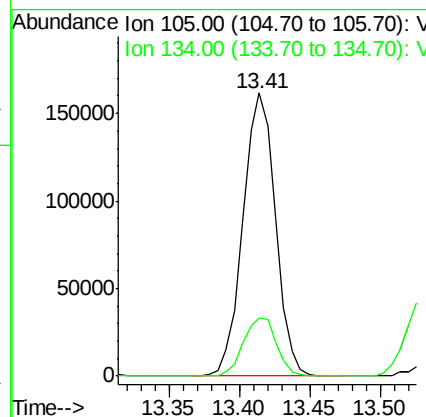
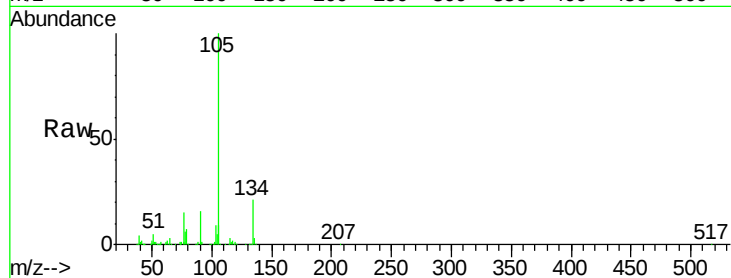
#85
 sec-Butylbenzene
 Concen: 20.661 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.7	31.9

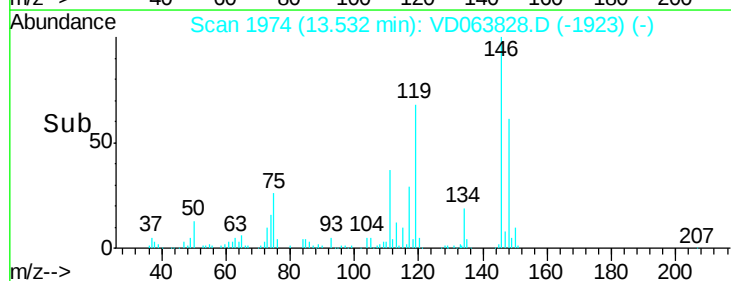
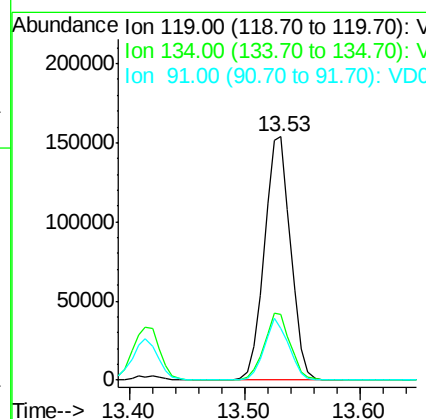
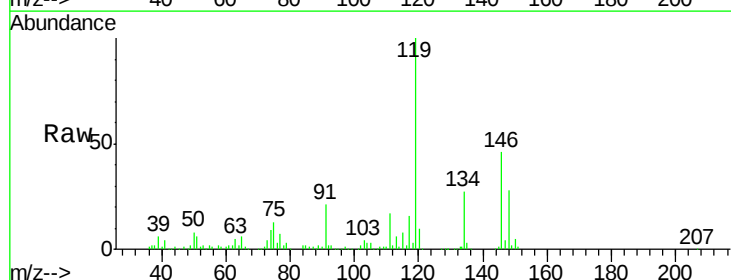
Manual Integrations
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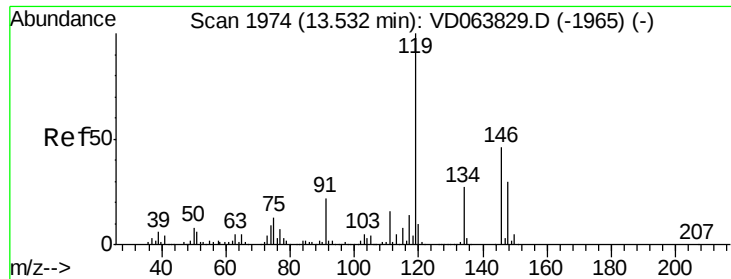
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#86
 p-Isopropyltoluene
 Concen: 20.595 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.2	39.6
91	23.7	11.4	34.1





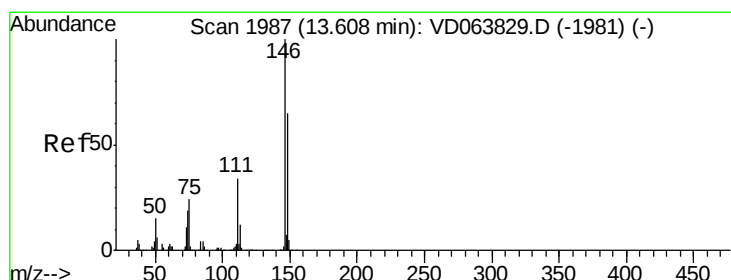
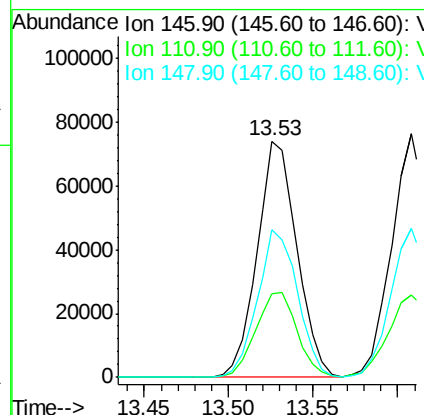
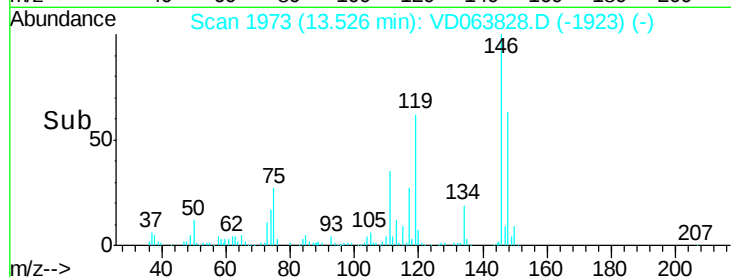
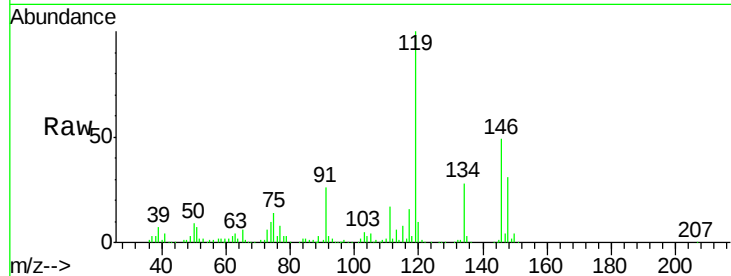
#87
 1,3-Dichlorobenzene
 Concen: 20.598 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120825		
111	37.4	18.3	54.8	
148	63.0	31.8	95.4	

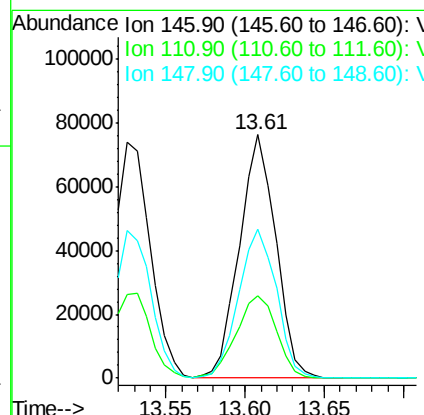
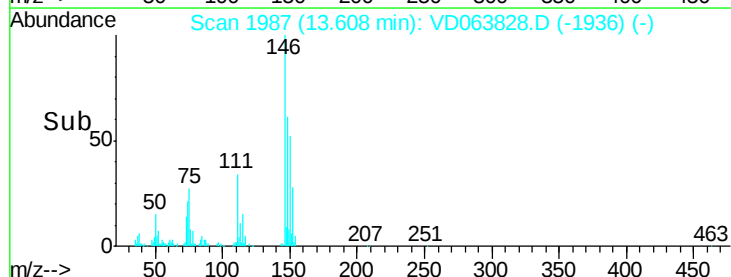
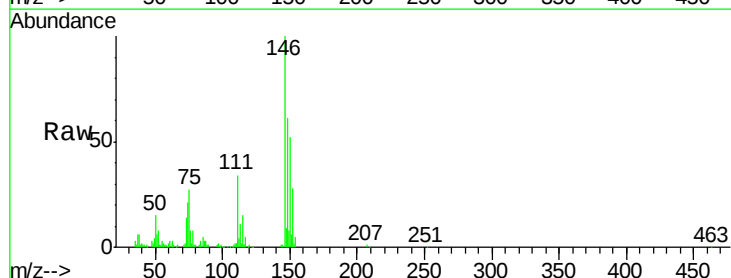
Manual Integrations
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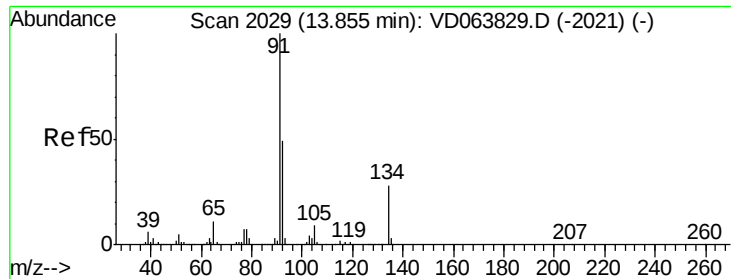
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#88
 1,4-Dichlorobenzene
 Concen: 20.923 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	122063		
111	37.3	18.5	55.5	
148	63.3	33.0	99.0	





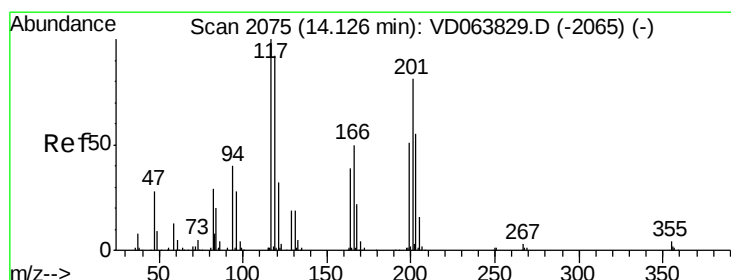
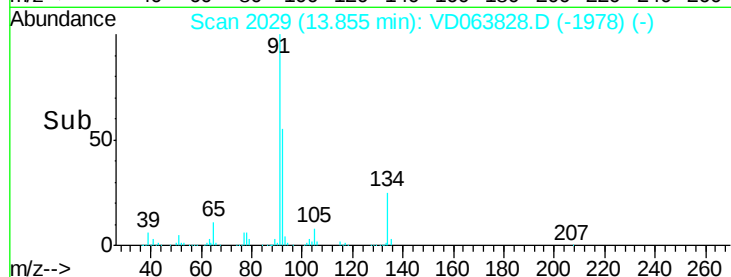
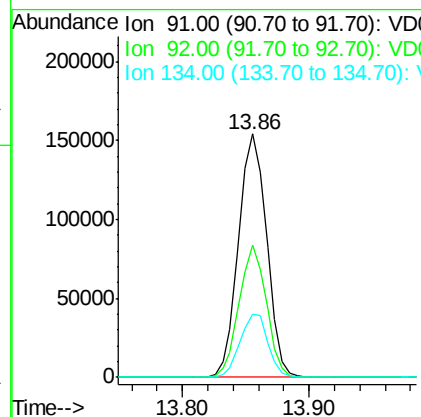
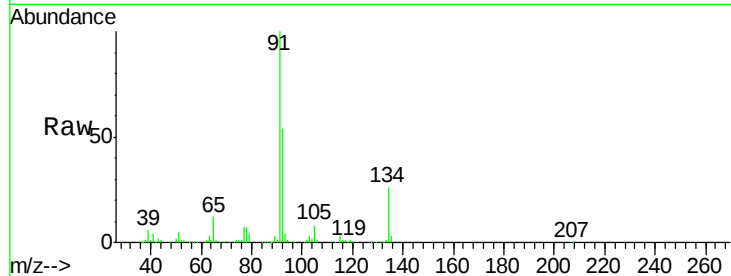
#89
n-Butylbenzene
Concen: 21.028 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		236829		
92	52.5	26.1		78.2	
134	25.7	14.0		41.9	

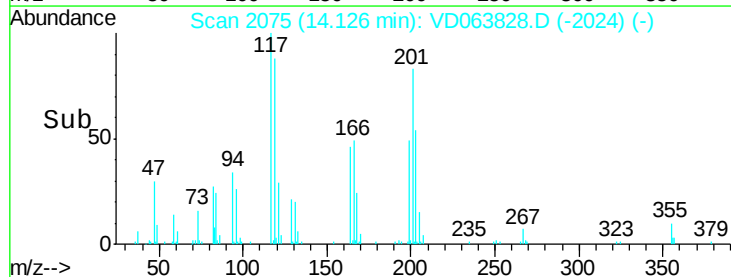
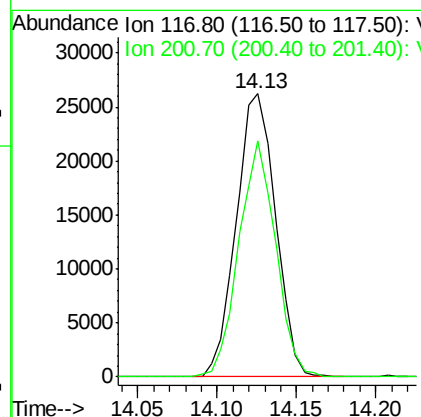
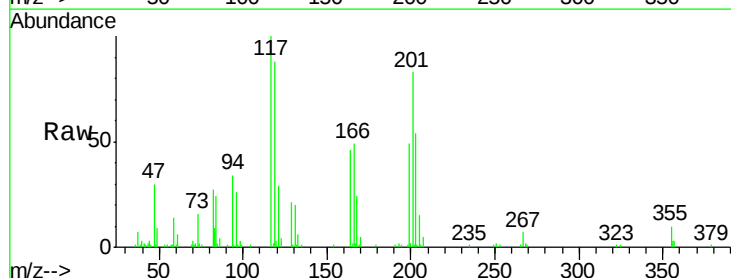
Manual Integrations
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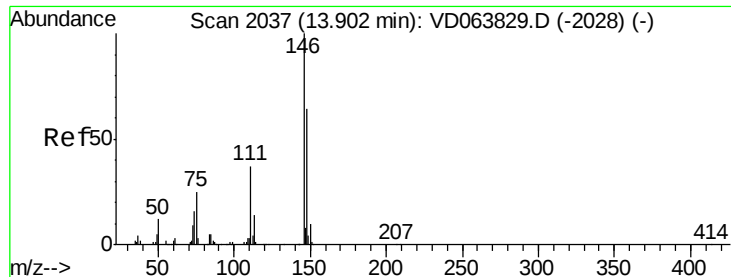
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#90
Hexachloroethane
Concen: 20.595 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		45141		
201	77.8	39.3		117.8	





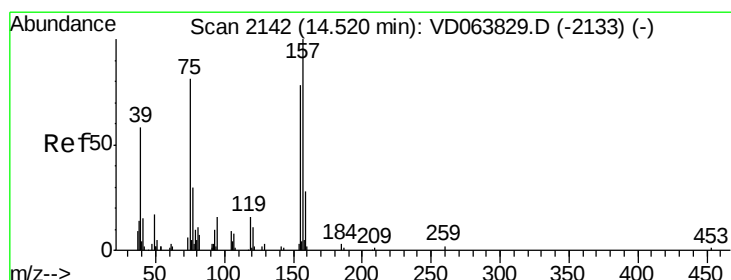
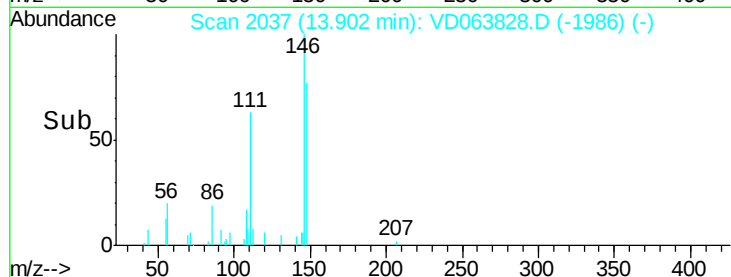
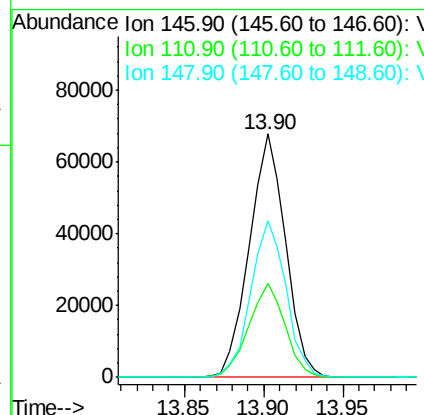
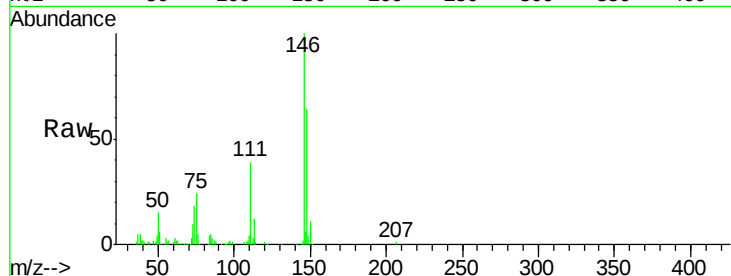
#91
 1,2-Dichlorobenzene
 Concen: 21.378 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	107565		
111	38.7		18.9	56.7
148	63.0		32.2	96.6

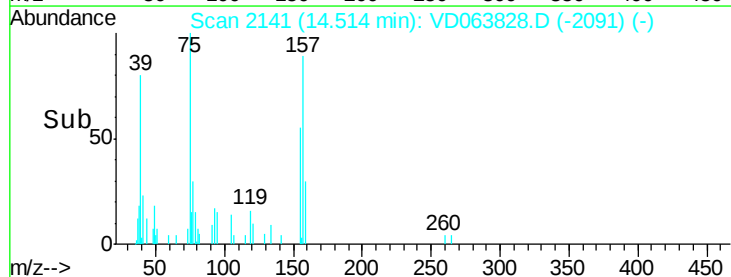
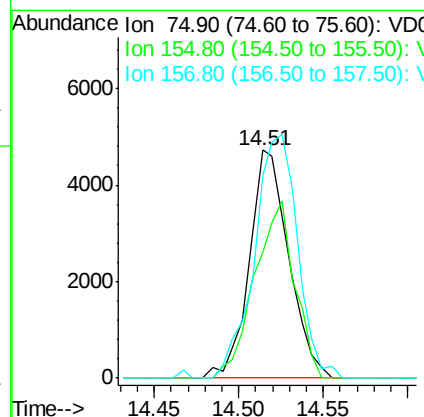
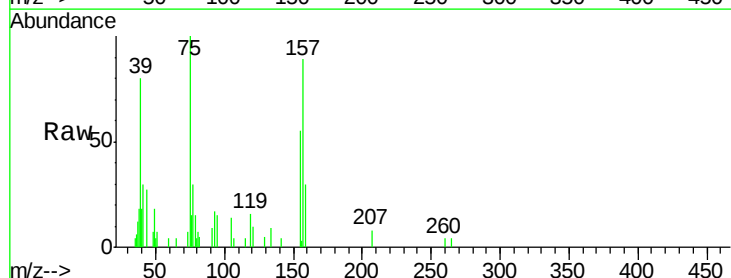
Manual Integrations
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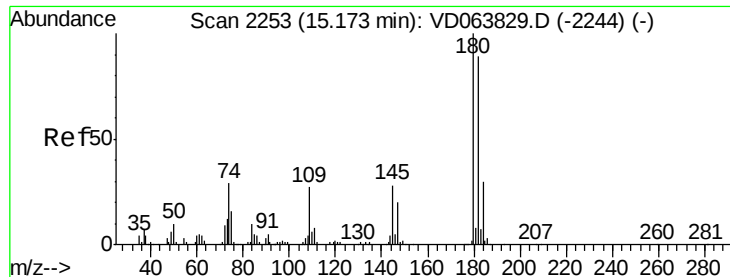
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.007 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7694		
155	78.5		48.0	144.0
157	116.7		63.2	189.8





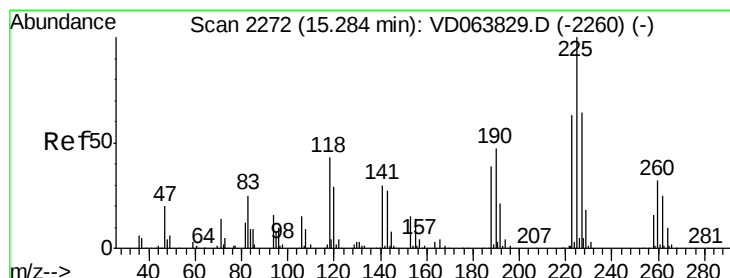
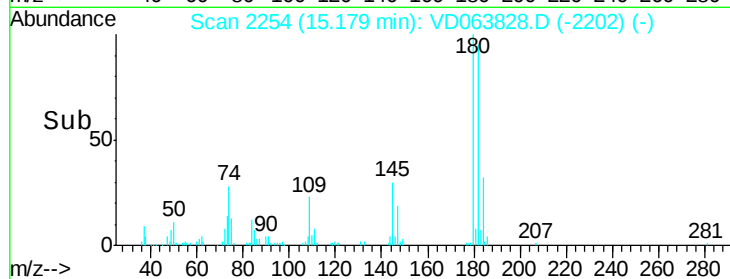
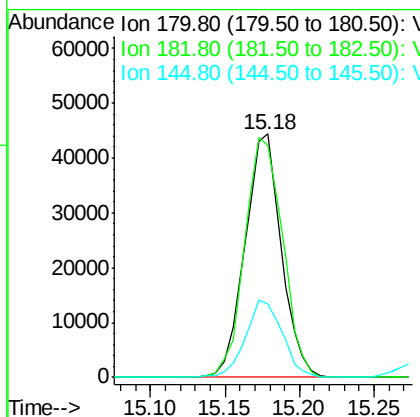
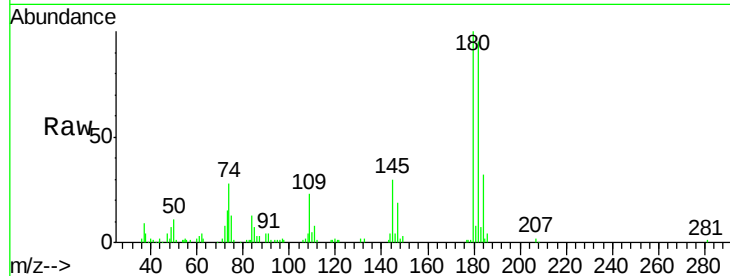
#93
 1,2,4-Trichlorobenzene
 Concen: 19.460 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	103.2	46.5	139.5	
145	32.1	14.4	43.4	

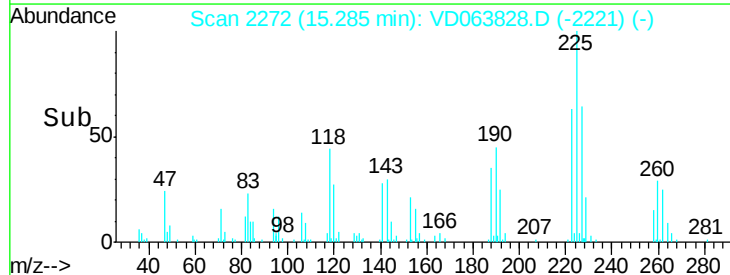
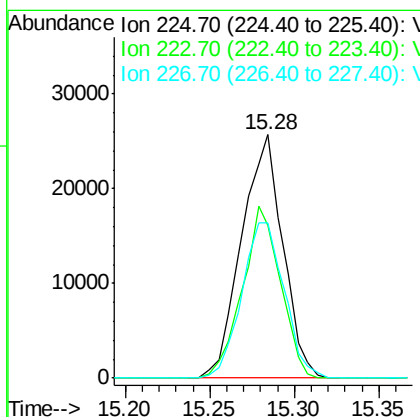
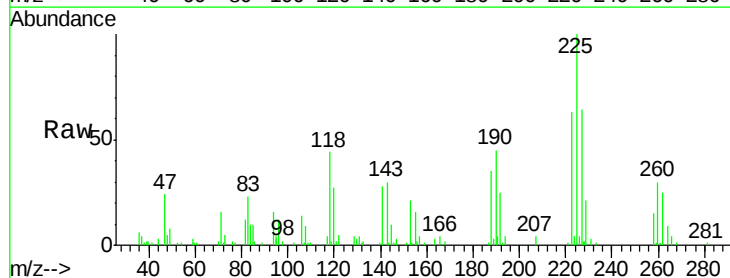
Manual Integrations
 APPROVED

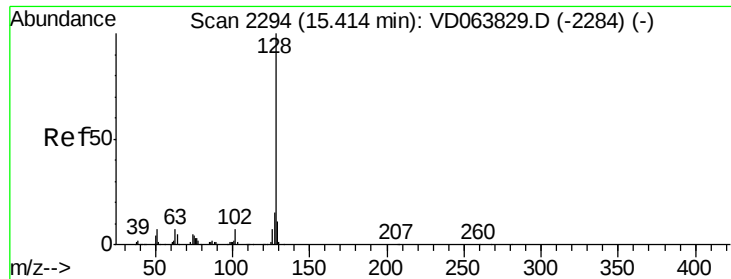
MMDadoda
 10/1/2019 9:26:06 AM



#94
 Hexachlorobutadiene
 Concen: 20.158 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VD063828.D
 Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.4	32.8	98.3	
227	65.9	32.8	98.3	





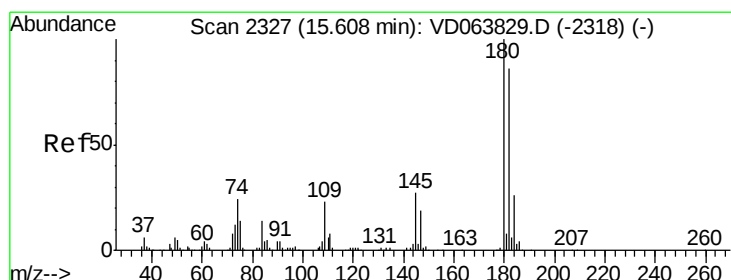
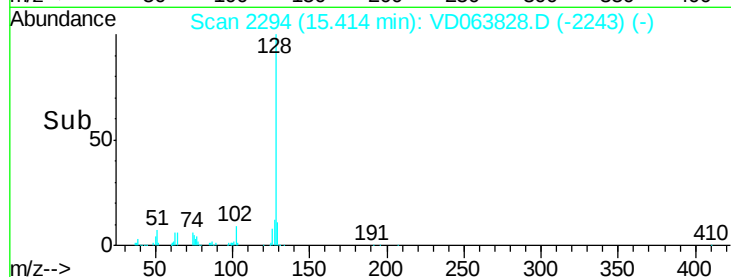
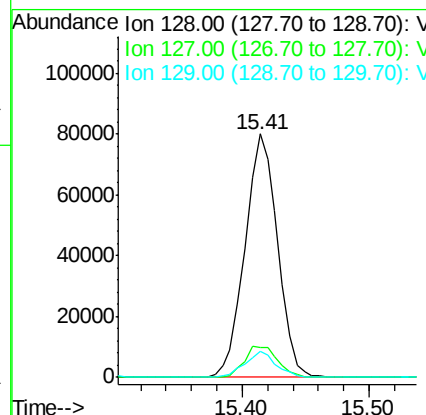
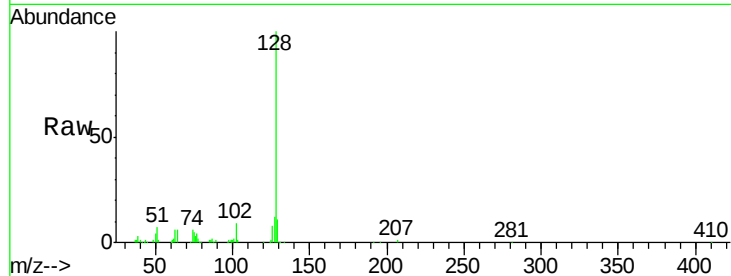
#95
Naphthalene
Concen: 20.778 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	142574		
127	13.1		10.8	16.2
129	10.2		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/1/2019 9:26:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.107 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD063828.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	68113		
182	94.2		46.6	139.7
145	31.1		14.5	43.5

