

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029022.D
 Acq On : 04 Jan 2019 12:53
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 12:48:51 PM

Quant Time: Jan 05 04:00:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	121440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	190198	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	179705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	73475	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	4.88	113	62773	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	7.56	98	246792	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	10.30	95	88139	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	59115	49.085	ug/l 99
3) Chloromethane	1.33	50	92543	48.117	ug/l 100
4) Vinyl Chloride	1.40	62	86051	48.485	ug/l 99
5) Bromomethane	1.60	94	48640	53.521	ug/l 98
6) Chloroethane	1.68	64	49151	46.494	ug/l 99
7) Trichlorofluoromethane	1.88	101	94338	48.781	ug/l 100
8) Diethyl Ether	2.10	74	45143	48.588	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62844	48.566	ug/l 99
10) Methyl Iodide	2.40	142	61990	50.949	ug/l 100
11) Tert butyl alcohol	2.83	59	80868	211.923	ug/l 99
12) 1,1-Dichloroethene	2.28	96	60655	48.158	ug/l 98
13) Acrolein	2.19	56	62042	216.525	ug/l 100
14) Allyl chloride	2.59	41	116946	50.605	ug/l 99
15) Acrylonitrile	2.93	53	225064	240.408	ug/l 100
16) Acetone	2.32	43	225989	238.960	ug/l 99
17) Carbon Disulfide	2.47	76	201340	48.255	ug/l 100
18) Methyl Acetate	2.61	43	101952	46.364	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	210057	47.437	ug/l 100
20) Methylene Chloride	2.70	84	76010	47.338	ug/l 99
21) trans-1,2-Dichloroethene	2.98	96	68880	47.071	ug/l 97
22) Diisopropyl ether	3.57	45	227830	49.882	ug/l 99
23) Vinyl Acetate	3.52	43	940038	251.762	ug/l 100
24) 1,1-Dichloroethane	3.44	63	130040	49.321	ug/l 99
25) 2-Butanone	4.26	43	311896	244.177	ug/l 99
26) 2,2-Dichloropropane	4.22	77	107057	50.251	ug/l 99
27) cis-1,2-Dichloroethene	4.22	96	78124	48.813	ug/l 99
28) Bromochloromethane	4.54	49	56601	50.134	ug/l 99
29) Tetrahydrofuran	4.63	42	183959	237.452	ug/l 98
30) Chloroform	4.67	83	123966	49.363	ug/l 99
31) Cyclohexane	4.99	56	122951	49.386	ug/l 98
32) 1,1,1-Trichloroethane	4.91	97	101718	49.019	ug/l 99
36) 1,1-Dichloropropene	5.13	75	95697	50.337	ug/l 98
37) Ethyl Acetate	4.38	43	104253	49.959	ug/l 99
38) Carbon Tetrachloride	5.13	117	81883	51.641	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	117357	50.213	ug/l	98
40) Benzene	5.39	78	301492	50.841	ug/l	100
41) Methacrylonitrile	4.54	41	58468	52.343	ug/l	98
42) 1,2-Dichloroethane	5.40	62	94555	53.063	ug/l	99
43) Isopropyl Acetate	5.55	43	164898	51.513	ug/l	99
44) Trichloroethene	6.18	130	72425	49.292	ug/l	100
45) 1,2-Dichloropropane	6.43	63	81499	52.042	ug/l	99
46) Dibromomethane	6.56	93	51369	51.313	ug/l	99
47) Bromodichloromethane	6.75	83	96142	52.161	ug/l	98
48) Methyl methacrylate	6.62	41	83784	53.752	ug/l	99
49) 1,4-Dioxane	6.61	88	36741	994.644	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	552914	253.800	ug/l	100
52) Toluene	7.63	92	183556	50.845	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	111801	50.494	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	121479	50.775	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	76266	52.734	ug/l	99
56) Ethyl methacrylate	8.02	69	112617	50.544	ug/l	97
57) 1,3-Dichloropropane	8.24	76	127632	51.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	261412	266.780	ug/l	99
59) 2-Hexanone	8.36	43	438962	256.691	ug/l	99
60) Dibromochloromethane	8.48	129	72719	50.752	ug/l	100
61) 1,2-Dibromoethane	8.58	107	79219	50.505	ug/l	98
64) Tetrachloroethene	8.22	164	65646	50.711	ug/l	96
65) Chlorobenzene	9.12	112	199028	49.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	66459	50.840	ug/l	99
67) Ethyl Benzene	9.25	91	347388	51.654	ug/l	98
68) m/p-Xylenes	9.37	106	269707	103.214	ug/l	99
69) o-Xylene	9.78	106	130233	51.725	ug/l	99
70) Styrene	9.79	104	217074	52.592	ug/l	99
71) Bromoform	9.95	173	57972	49.806	ug/l #	97
73) Isopropylbenzene	10.16	105	336743	49.312	ug/l	100
74) N-amyl acetate	10.01	43	149227	50.712	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	129782	47.420	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	110973m	49.092	ug/l	
77) Bromobenzene	10.45	156	85699	48.157	ug/l	99
78) n-propylbenzene	10.58	91	411214	51.098	ug/l	100
79) 2-Chlorotoluene	10.66	91	241262	49.421	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	287355	50.390	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	38511m	43.938	ug/l	
82) 4-Chlorotoluene	10.77	91	277838	49.634	ug/l	99
83) tert-Butylbenzene	11.10	119	276151	49.132	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	295193	51.848	ug/l	99
85) sec-Butylbenzene	11.32	105	345230	50.787	ug/l	99
86) p-Isopropyltoluene	11.47	119	295925	51.089	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	159444	48.847	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	162337	48.181	ug/l	98
89) n-Butylbenzene	11.89	91	274205	53.039	ug/l	99
90) Hexachloroethane	12.14	117	46688	47.913	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	159231	48.432	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24915	47.331	ug/l	96

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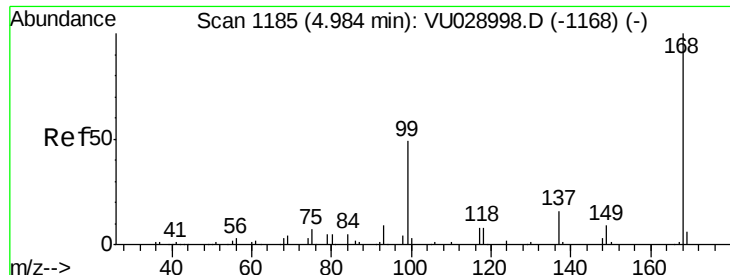
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	104514	49.799	ug/l	100
94) Hexachlorobutadiene	13.69	225	48031	50.035	ug/l	99
95) Naphthalene	13.74	128	339000	47.483	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	106826	49.453	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 121440

Ion Ratio Lower Upper

168 100

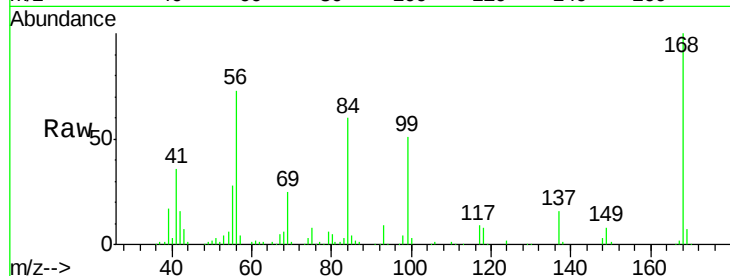
99 50.9 42.0 63.0

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Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

60000

50000

40000

30000

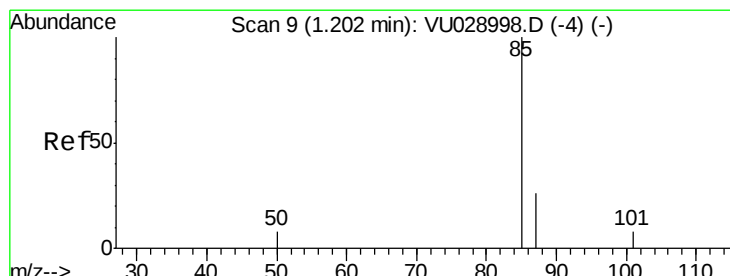
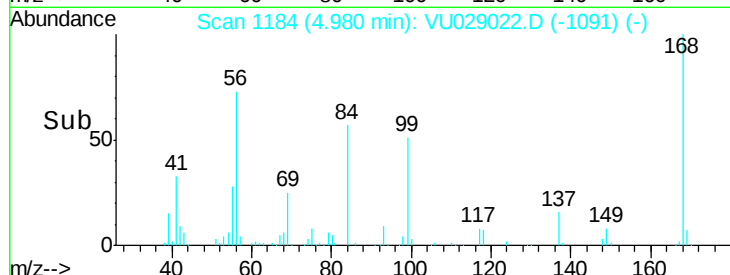
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.085 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU029022.D

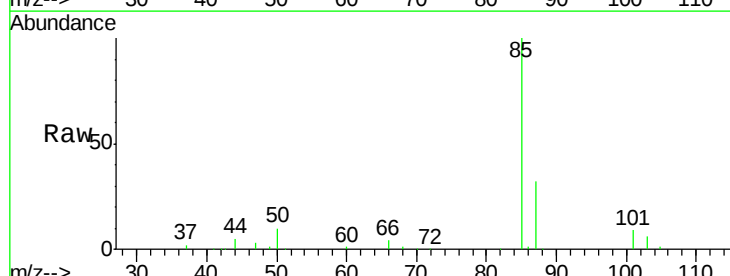
Acq: 04 Jan 2019 12:53

Tgt Ion: 85 Resp: 59115

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU028998.D (-4) (-)

1.20

60000

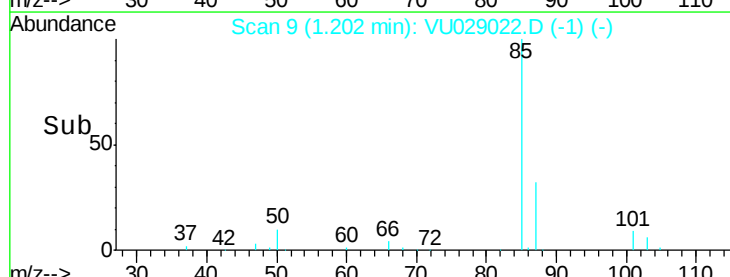
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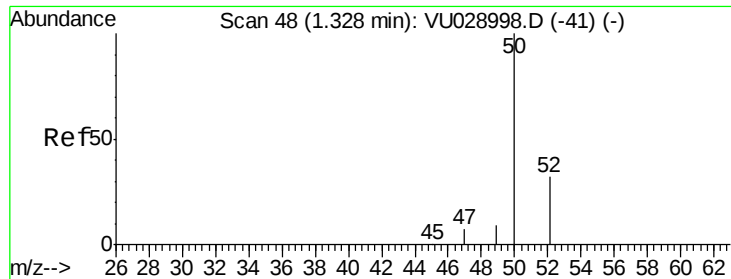
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.117 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 92543

Ion Ratio Lower Upper

50 100

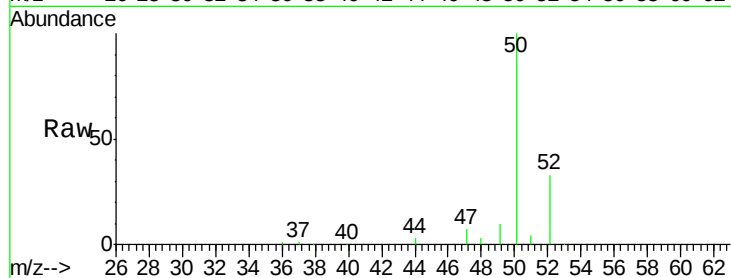
52 32.5 26.1 39.1

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Abundance Ion 49.90 (49.60 to 50.60): VU029022.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU029022.D (-1) (-)

1.33

80000

60000

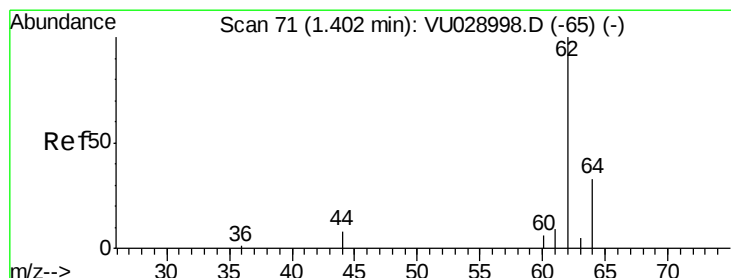
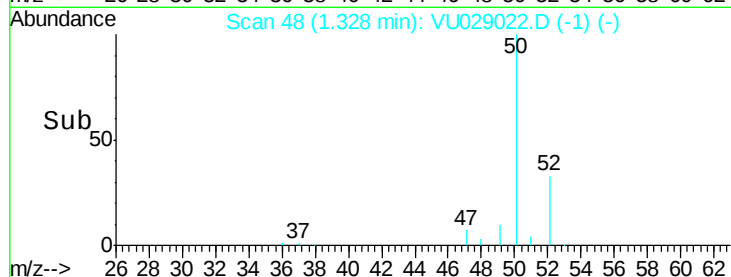
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 48.485 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029022.D

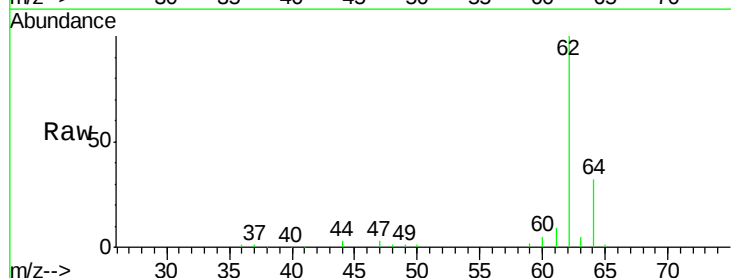
Acq: 04 Jan 2019 12:53

Tgt Ion: 62 Resp: 86051

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU029022.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU029022.D (-1) (-)

1.40

80000

60000

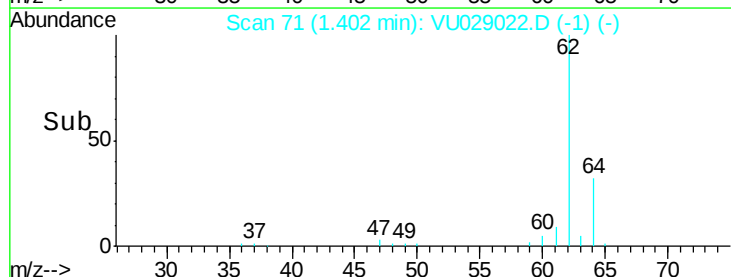
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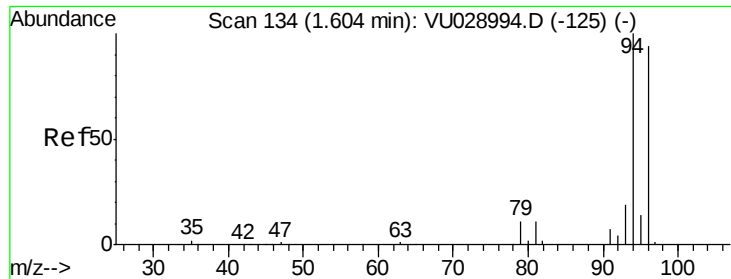
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 53.521 ug/l

RT: 1.60 min Scan# 134

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48640

Ion Ratio Lower Upper

94 100

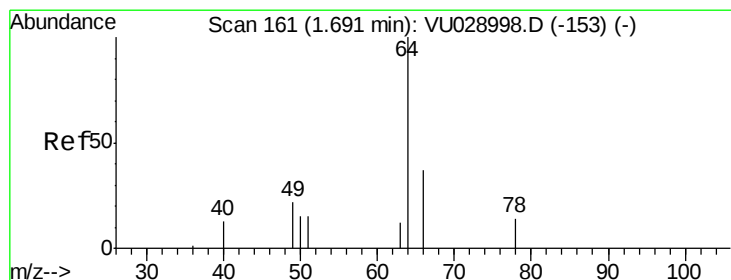
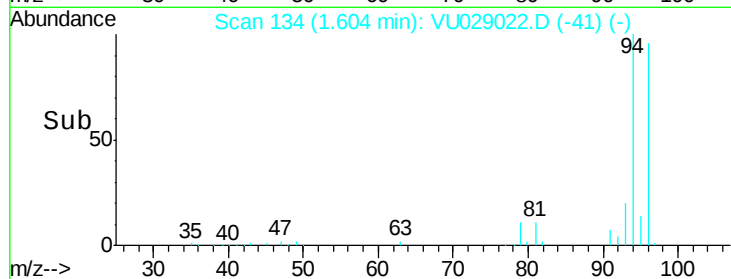
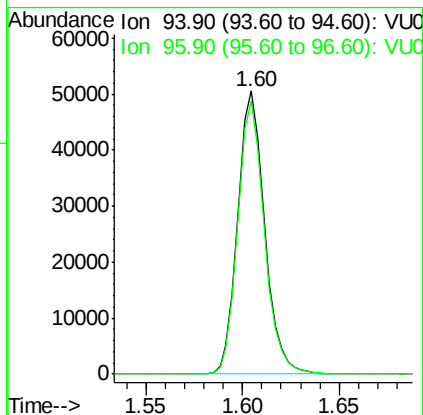
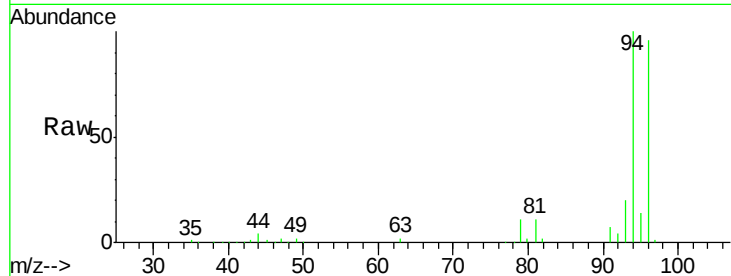
96 96.4 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 46.494 ug/l

RT: 1.68 min Scan# 158

Delta R.T. 0.00 min

Lab File: VU029022.D

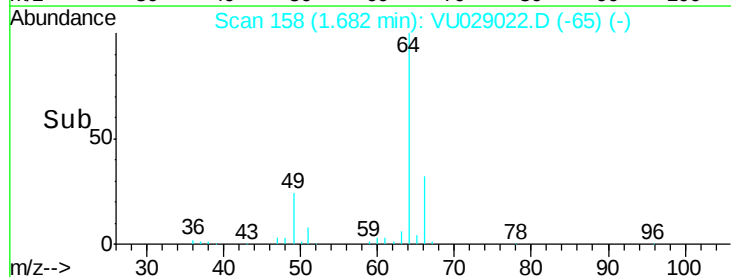
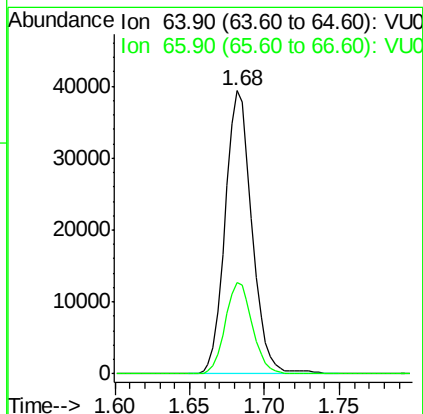
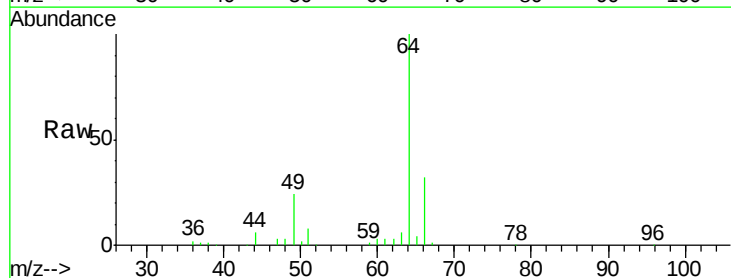
Acq: 04 Jan 2019 12:53

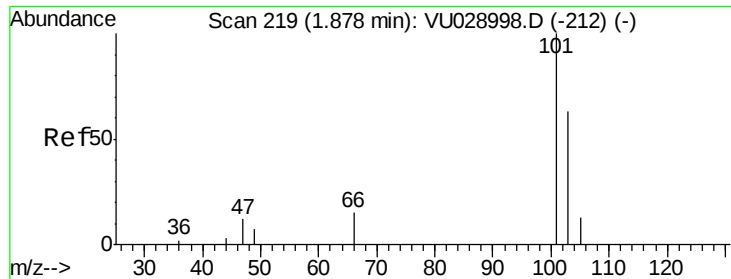
Tgt Ion: 64 Resp: 49151

Ion Ratio Lower Upper

64 100

66 32.1 25.2 37.8





#7

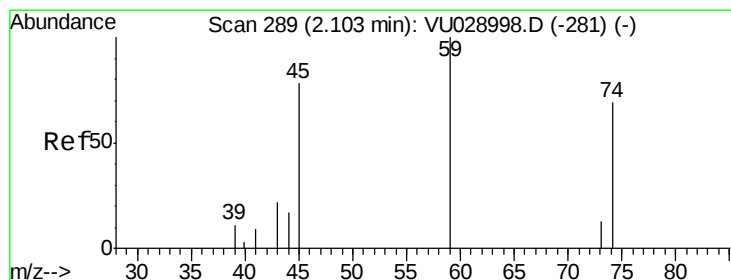
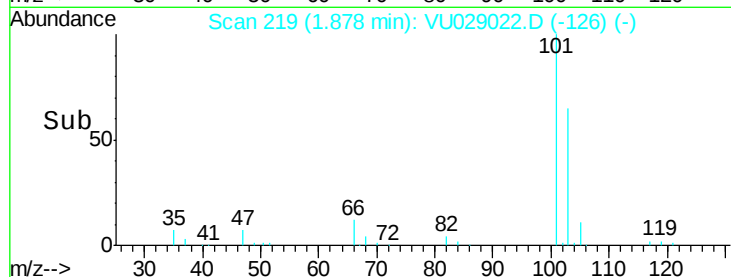
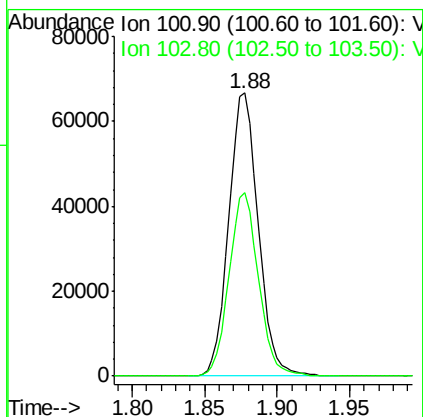
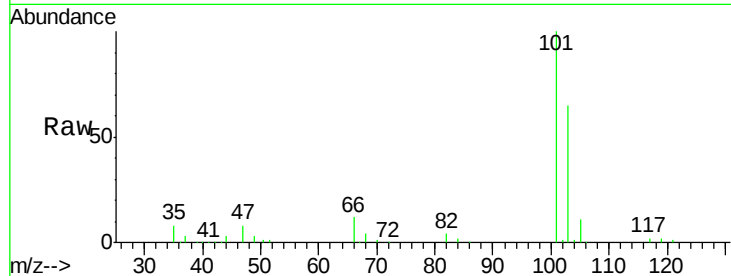
Trichlorofluoromethane
Concen: 48.781 ug/l
RT: 1.88 min Scan# 219
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

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Tot Ion:101 Resp: 94338
Ion Ratio Lower Upper
101 100
103 64.7 51.5 77.3

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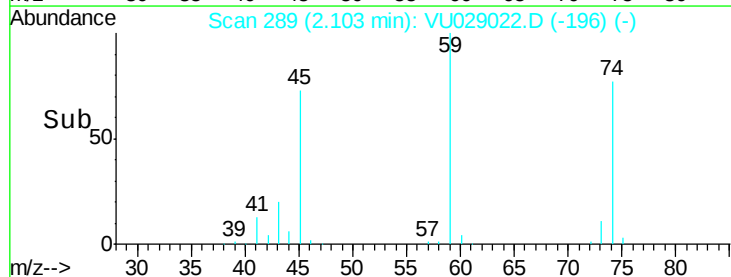
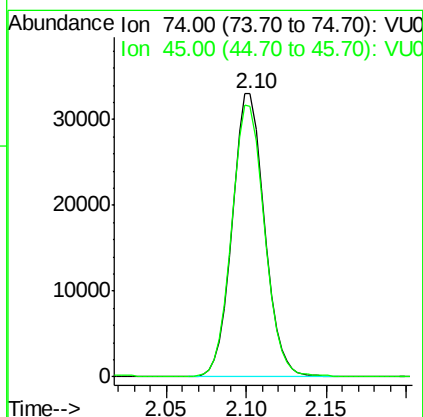
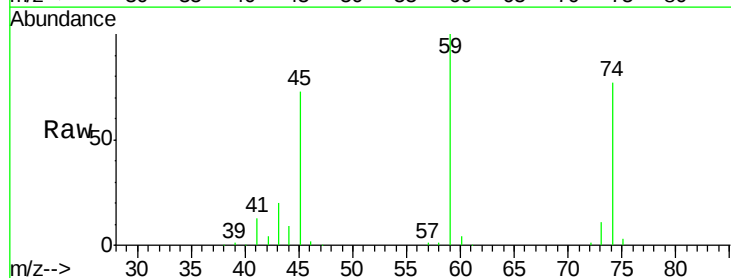
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1/7/2019 12:48:51 PM

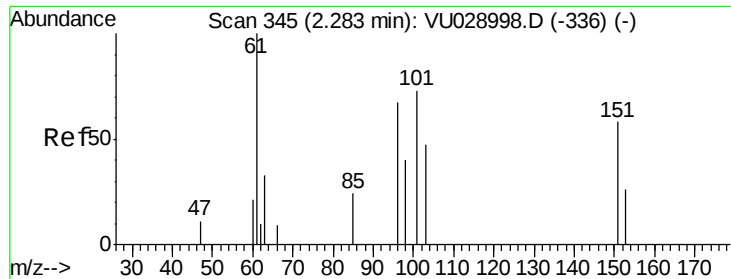


#8

Diethyl Ether
Concen: 48.588 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion: 74 Resp: 45143
Ion Ratio Lower Upper
74 100
45 98.1 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.566 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

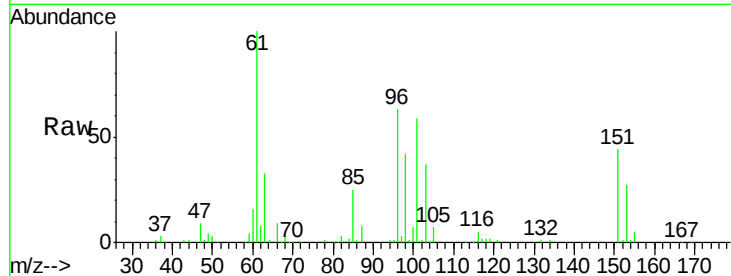
ClientSampleId :

VSTDCCC050

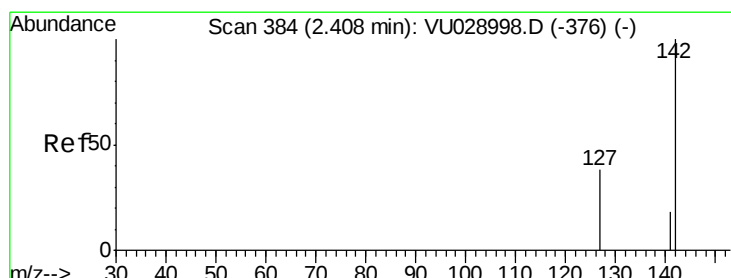
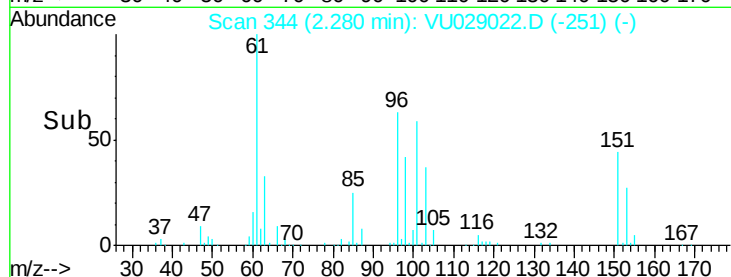
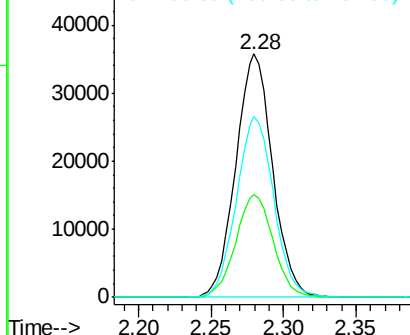
Tot Ion:	101	Resp:	62844
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.1	52.7
151	75.3	60.2	90.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.949 ug/l

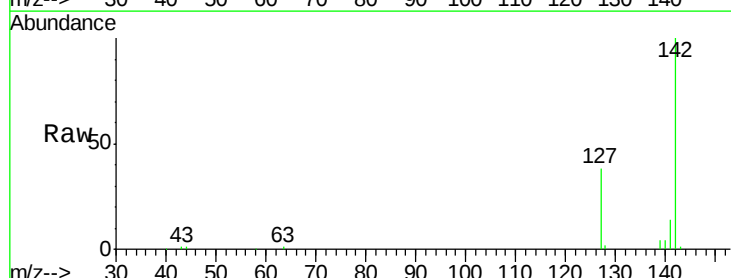
RT: 2.40 min Scan# 383

Delta R.T. 0.00 min

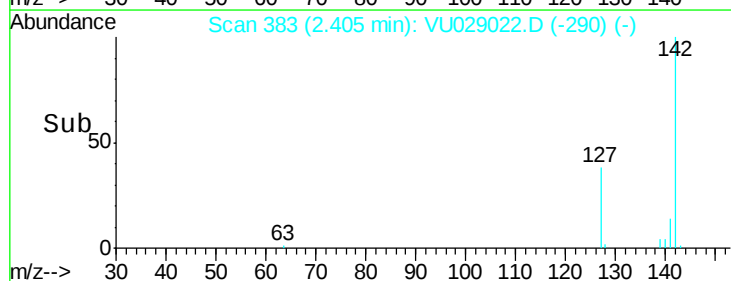
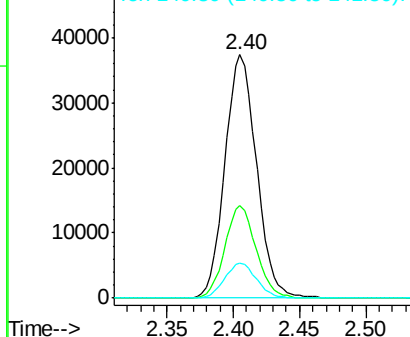
Lab File: VU029022.D

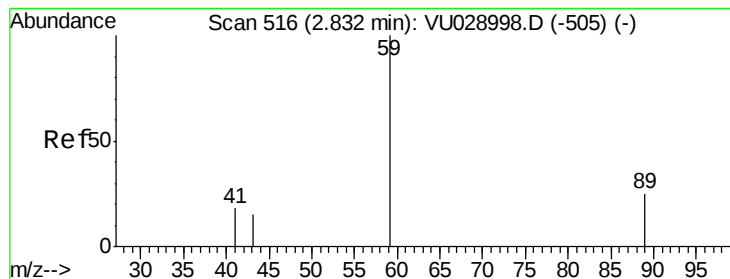
Acq: 04 Jan 2019 12:53

Tgt Ion:	142	Resp:	61990
Ion Ratio	Lower	Upper	
142	100		
127	37.4	29.8	44.6
141	14.3	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

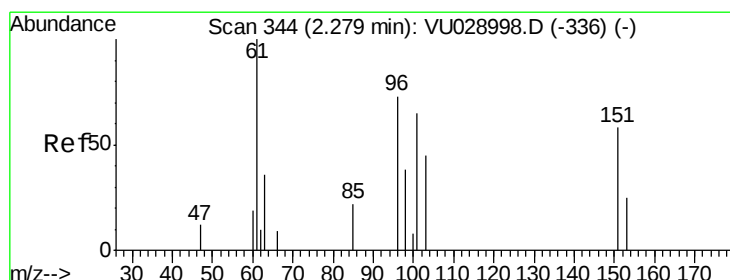
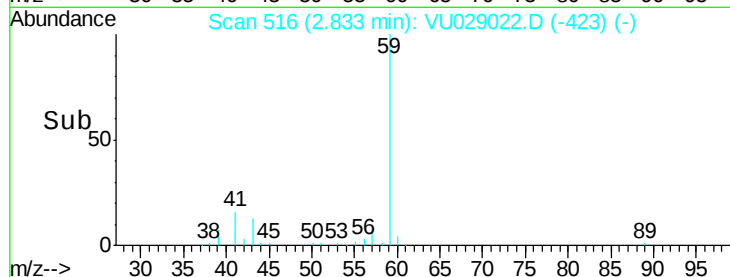
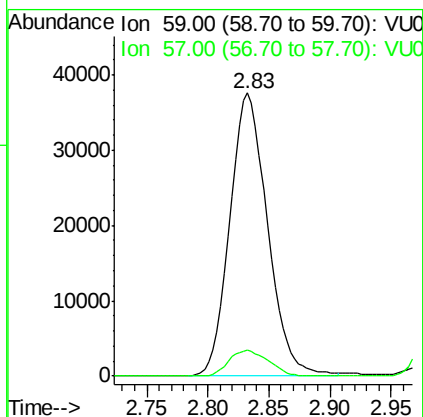
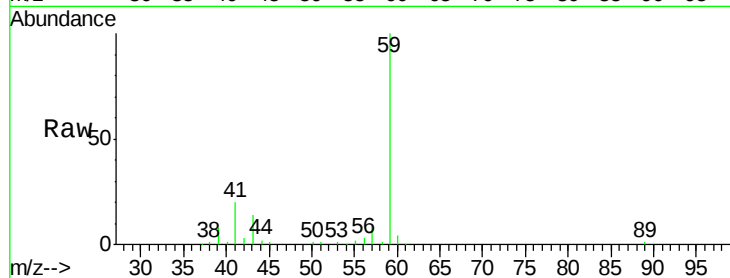
Tert butyl alcohol
Concen: 211.923 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.9	11.9

Manual Integrations
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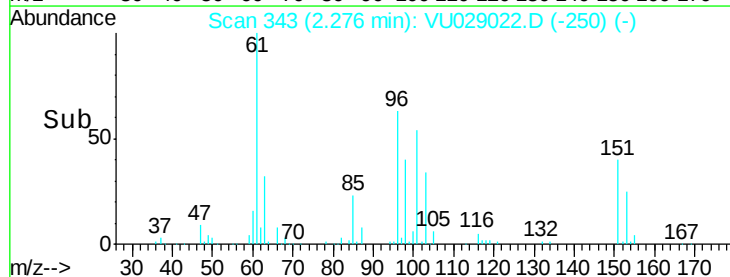
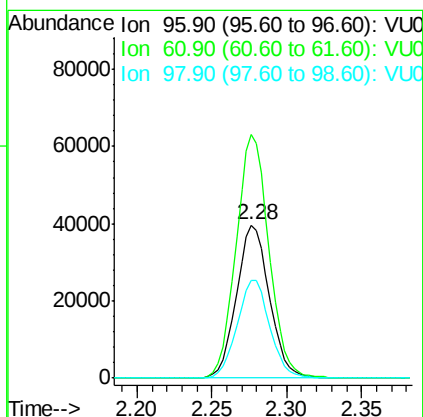
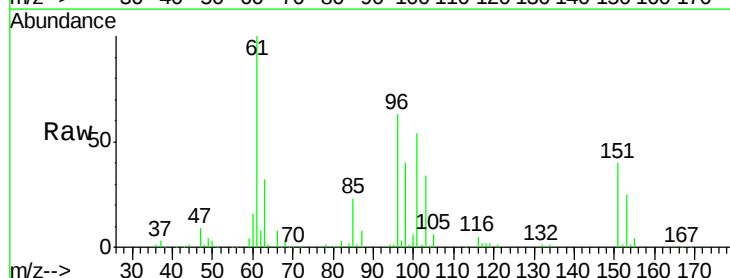
MMDadoda
1/7/2019 12:48:51 PM

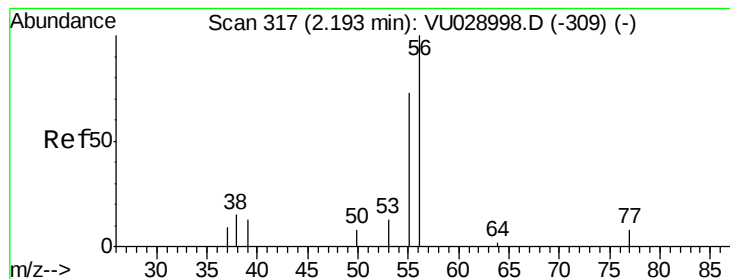


#12

1,1-Dichloroethene
Concen: 48.158 ug/l
RT: 2.28 min Scan# 343
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	125.4	188.0
98	63.8	49.7	74.5





#13

Acrolein

Concen: 216.525 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 62042

Ion Ratio Lower Upper

56 100

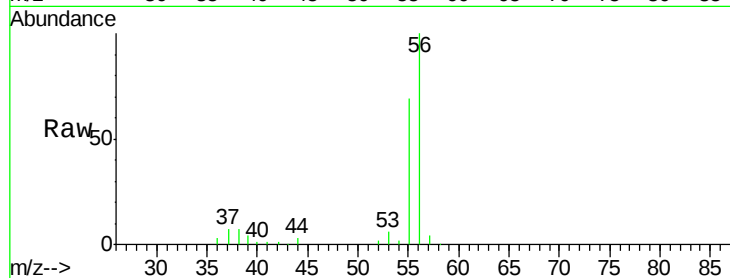
55 70.2 56.5 84.7

Manual Integrations

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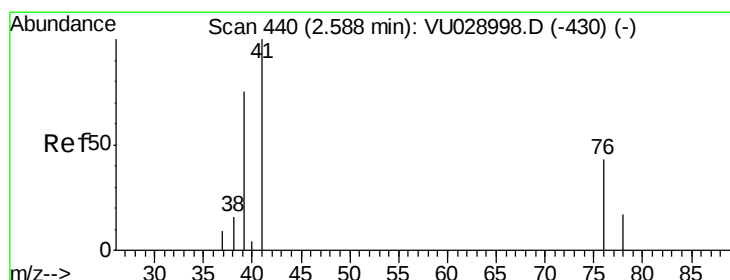
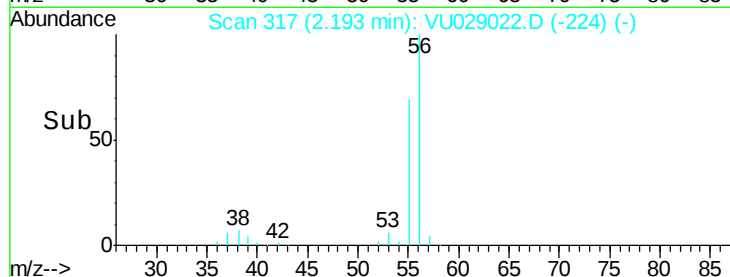


Abundance Ion 56.00 (55.70 to 56.70): VU029022.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU029022.D (-224) (-)

2.19

Time-->



#14

Allyl chloride

Concen: 50.605 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

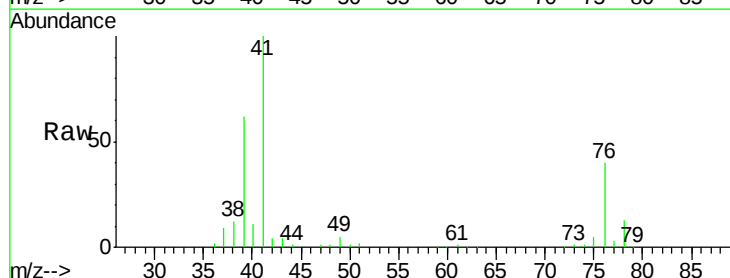
Tgt Ion: 41 Resp: 116946

Ion Ratio Lower Upper

41 100

39 57.3 45.0 67.6

76 35.1 28.1 42.1



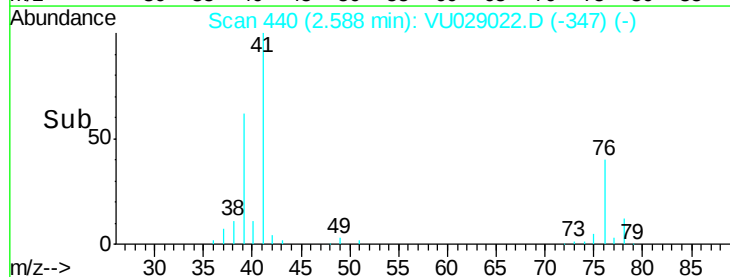
Abundance Ion 41.00 (40.70 to 41.70): VU029022.D (-347) (-)

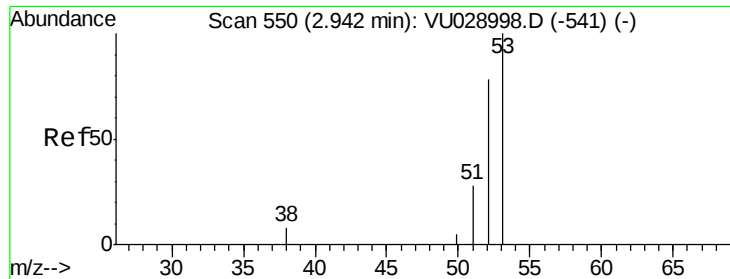
Ion 39.00 (38.70 to 39.70): VU029022.D (-347) (-)

Ion 75.90 (75.60 to 76.60): VU029022.D (-347) (-)

2.59

Time-->





#15

Acrylonitrile

Concen: 240.408 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

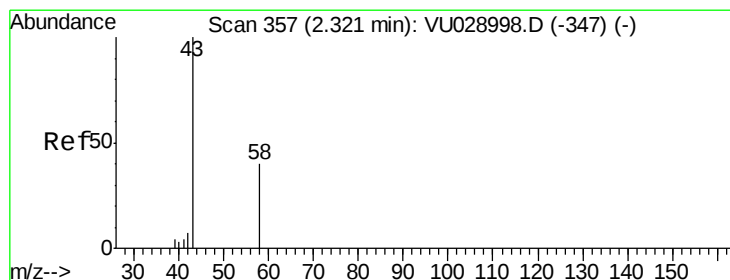
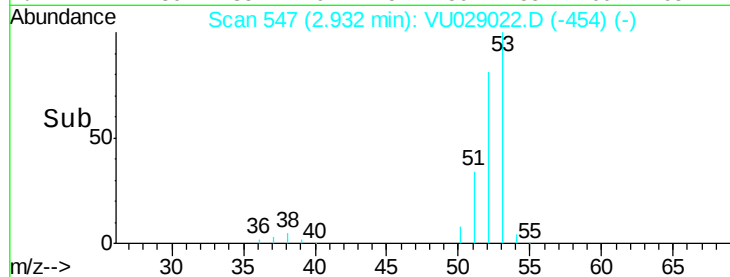
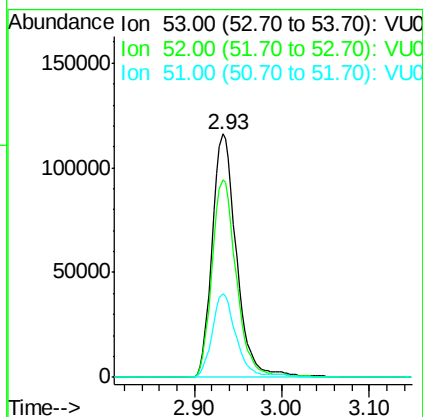
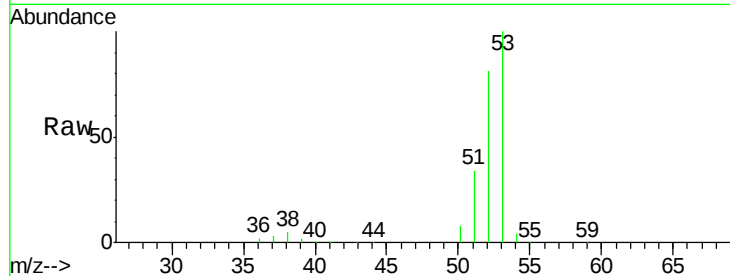
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	225064
Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.8	97.2
51	34.3	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 238.960 ug/l

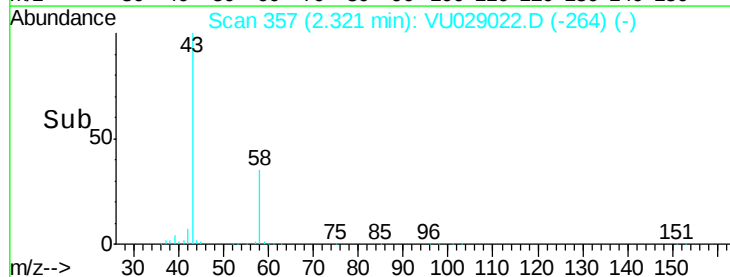
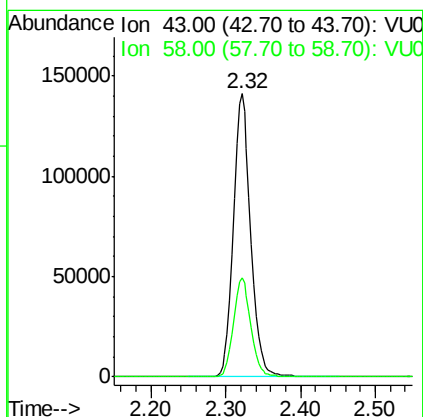
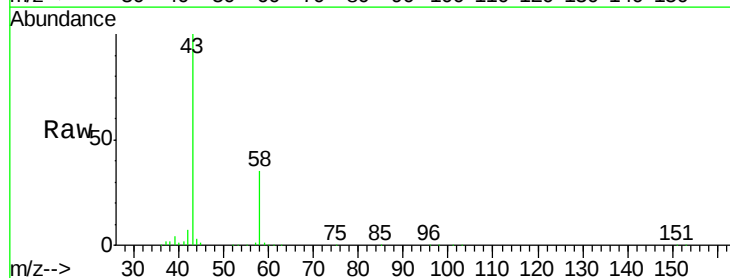
RT: 2.32 min Scan# 357

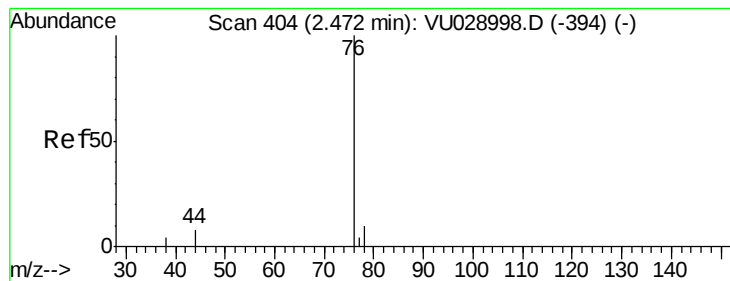
Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Tgt Ion:	43	Resp:	225989
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.6	42.8





#17

Carbon Disulfide

Concen: 48.255 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 201340

Ion Ratio Lower Upper

76 100

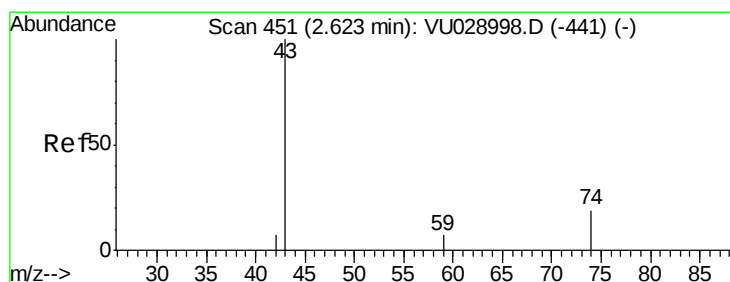
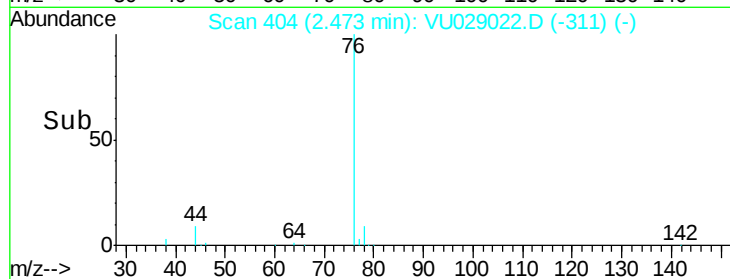
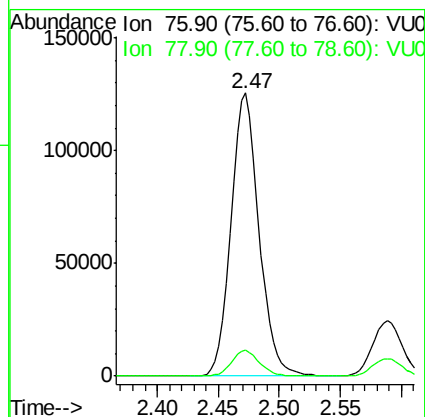
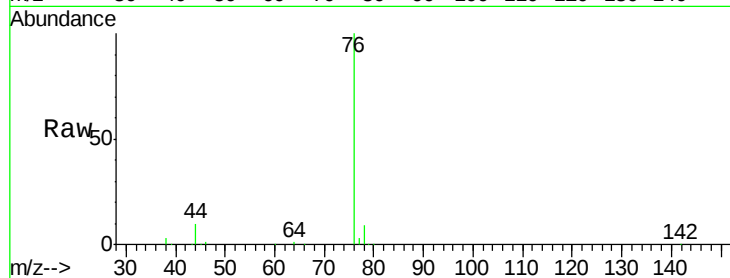
78 9.0 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 46.364 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029022.D

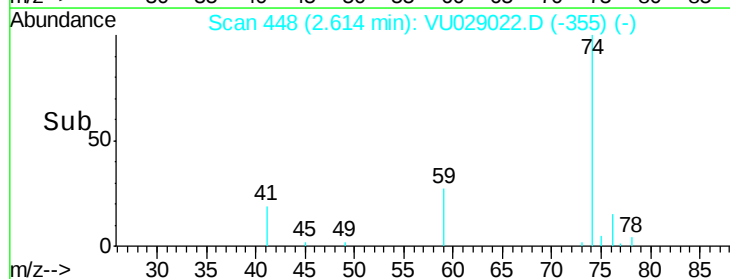
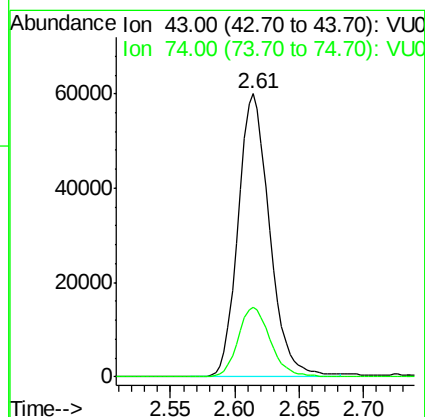
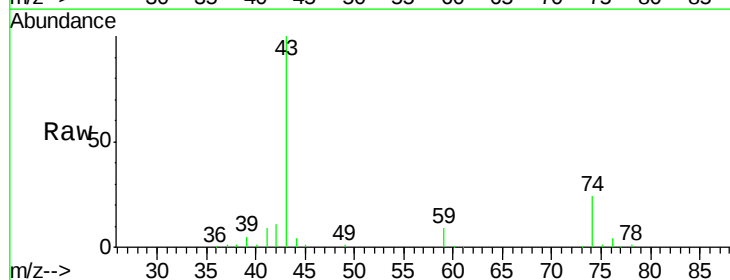
Acq: 04 Jan 2019 12:53

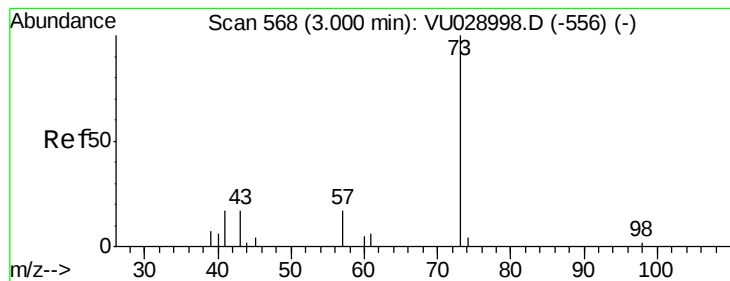
Tgt Ion: 43 Resp: 101952

Ion Ratio Lower Upper

43 100

74 25.2 19.5 29.3





#19

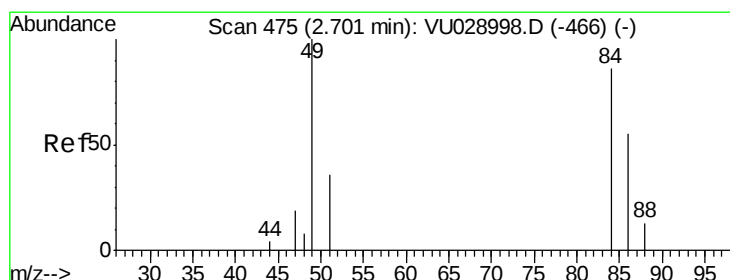
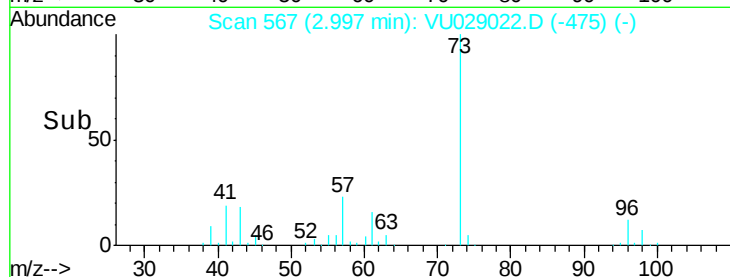
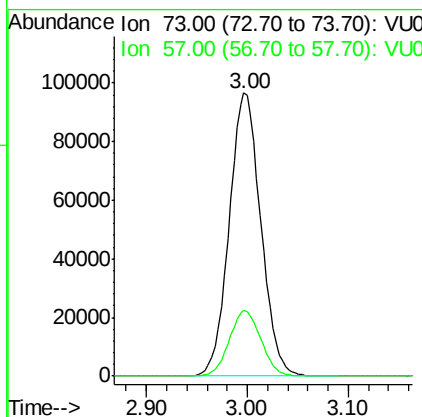
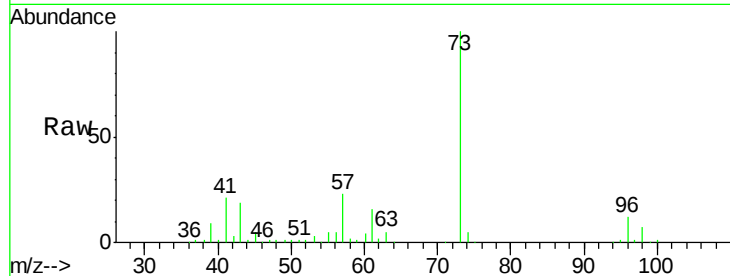
Methyl tert-butyl Ether
 Concen: 47.437 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.6	28.0

Manual Integrations
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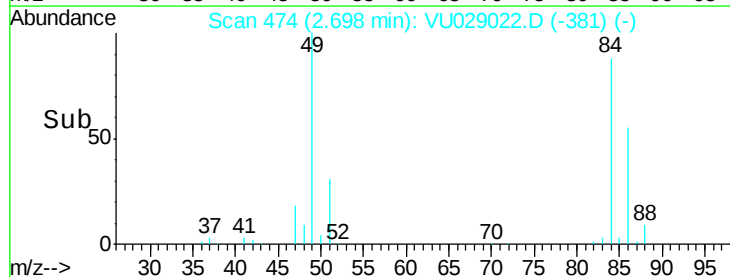
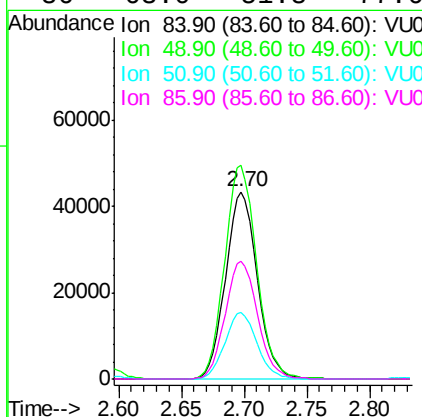
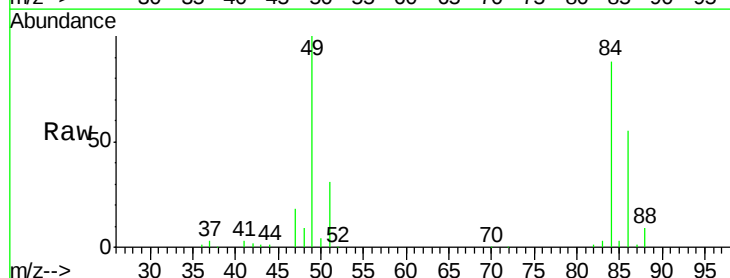
MMDadoda
 1/7/2019 12:48:51 PM

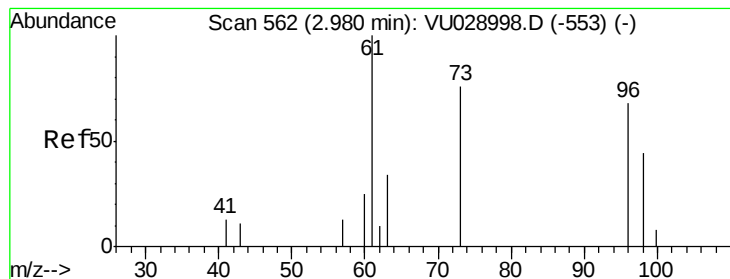


#20

Methylene Chloride
 Concen: 47.338 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.0	91.9	137.9
51	35.3	29.2	43.8
86	63.0	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 47.071 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 68880

Ion Ratio Lower Upper

96 100

61 137.2 107.7 161.5

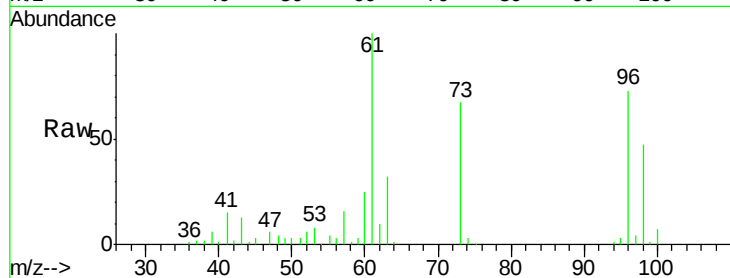
98 64.4 49.2 73.8

Manual Integrations

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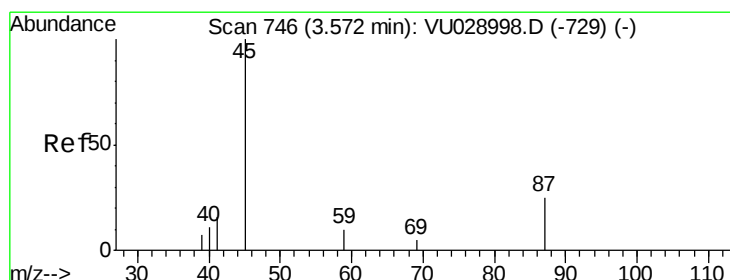
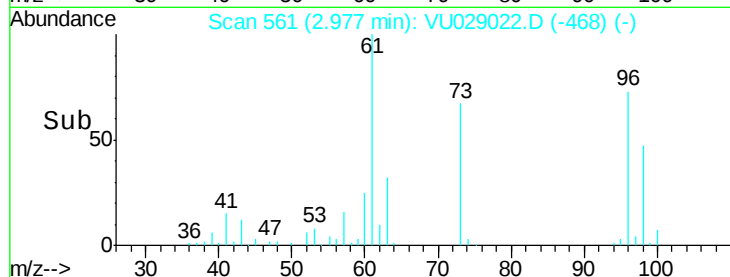
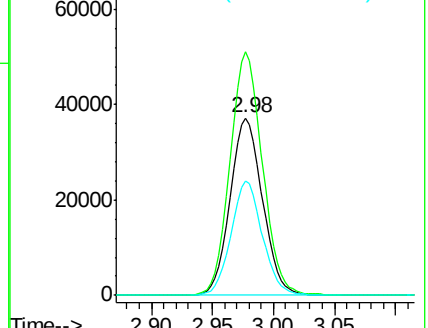
1/7/2019 12:48:51 PM



Abundance Ion 95.90 (95.60 to 96.60): VU028998.D (-553) (-)

Ion 60.90 (60.60 to 61.60): VU028998.D (-553) (-)

Ion 97.90 (97.60 to 98.60): VU028998.D (-553) (-)



#22

Diisopropyl ether

Concen: 49.882 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Tgt Ion: 45 Resp: 227830

Ion Ratio Lower Upper

45 100

43 56.4 44.7 67.1

87 26.8 22.2 33.2

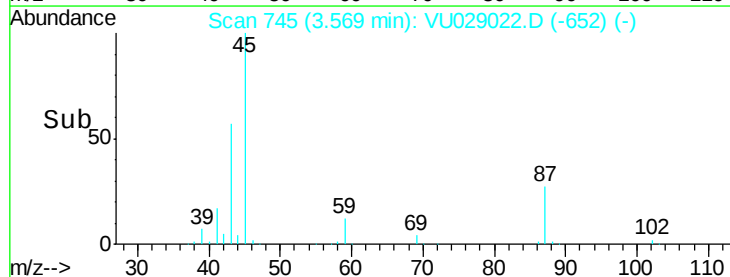
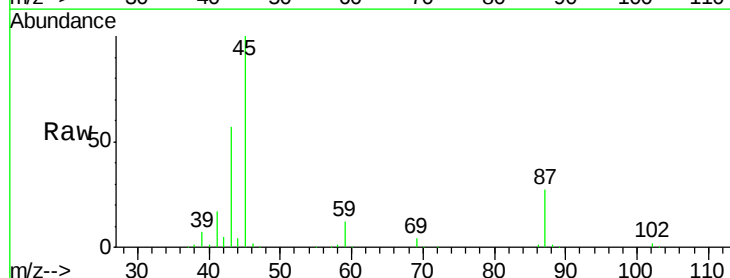
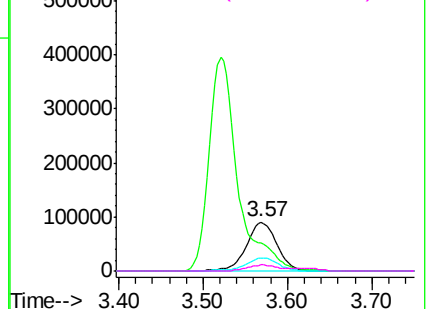
59 12.0 9.8 14.8

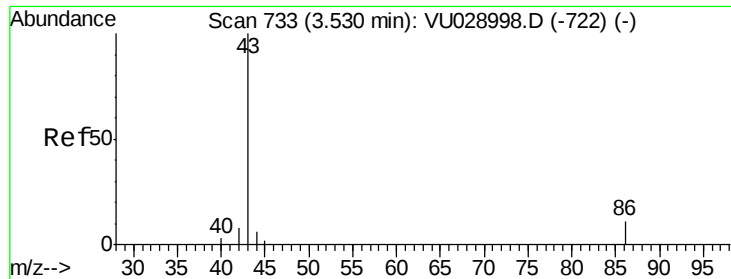
Abundance Ion 45.00 (44.70 to 45.70): VU028998.D (-729) (-)

Ion 43.00 (42.70 to 43.70): VU028998.D (-729) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-729) (-)

Ion 59.00 (58.70 to 59.70): VU028998.D (-729) (-)





#23

Vinyl Acetate

Concen: 251.762 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 940038

Ion Ratio Lower Upper

43 100

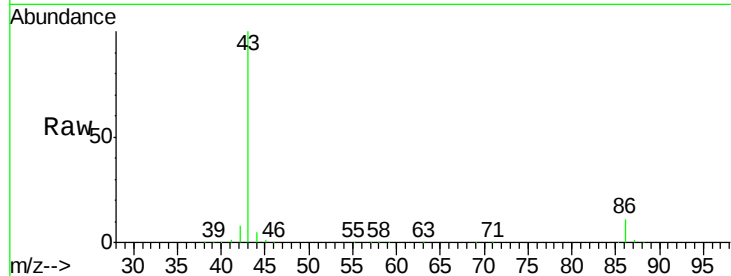
86 10.9 8.6 13.0

Manual Integrations

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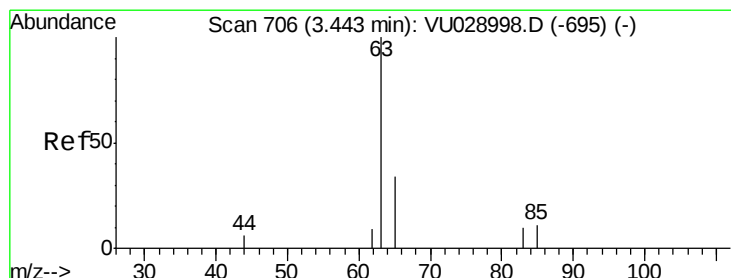
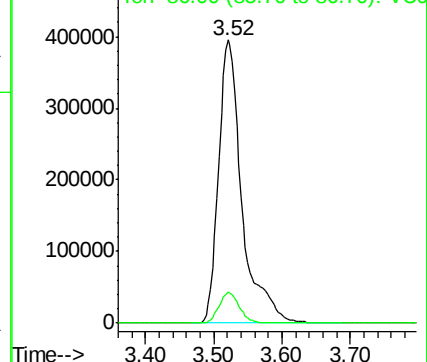
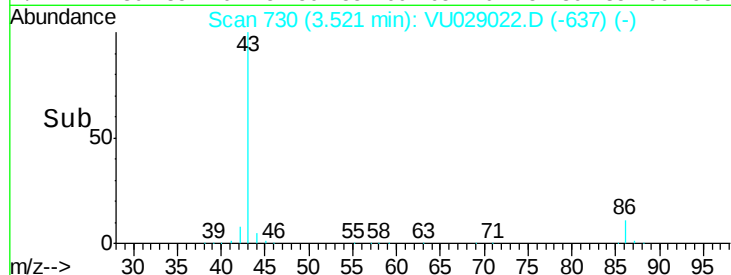
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Abundance Ion 43.00 (42.70 to 43.70): VU029022.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU029022.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 49.321 ug/l

RT: 3.44 min Scan# 705

Delta R.T. -0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

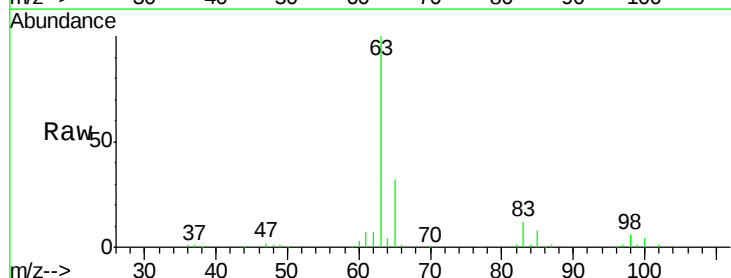
Tgt Ion: 63 Resp: 130040

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

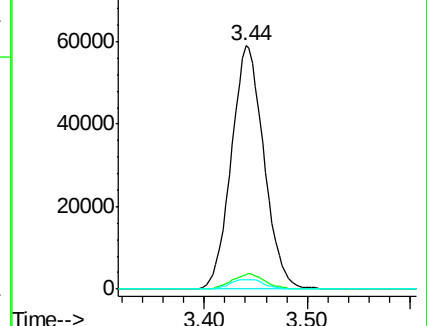
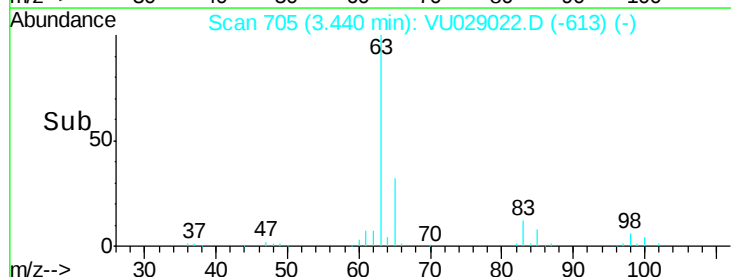
100 4.0 2.0 5.8

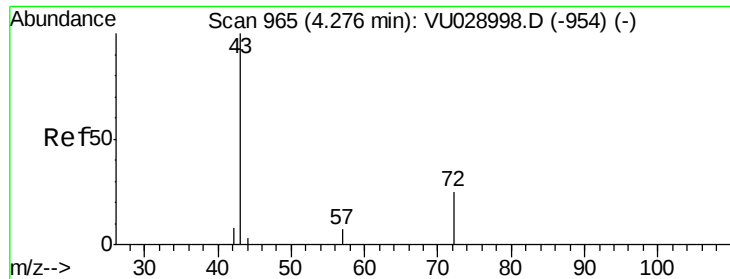


Abundance Ion 62.90 (62.60 to 63.60): VU029022.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU029022.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU029022.D (-613) (-)





#25

2-Butanone

Concen: 244.177 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 311896

Ion Ratio Lower Upper

43 100

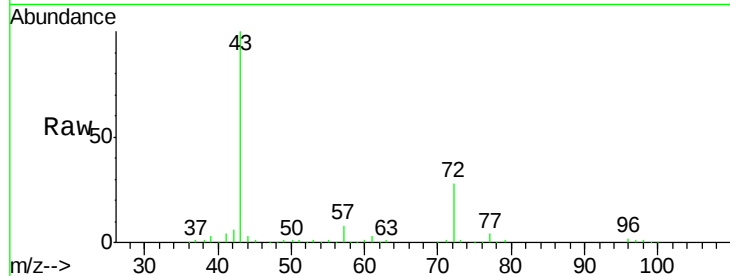
72 27.5 22.6 33.8

Manual Integrations

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1/7/2019 12:48:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU028998.D (-954) (-)

150000

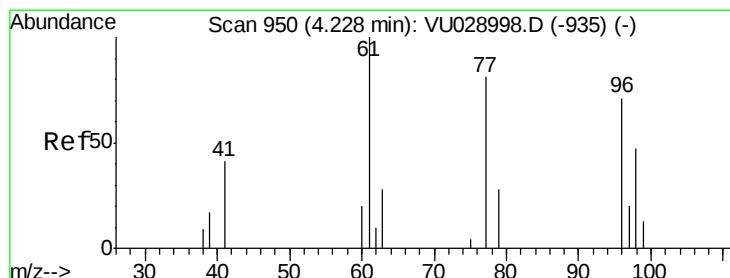
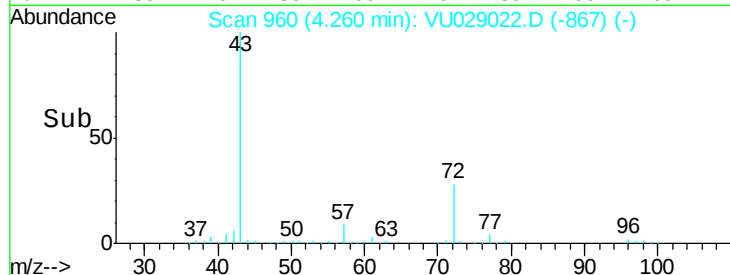
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 50.251 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029022.D

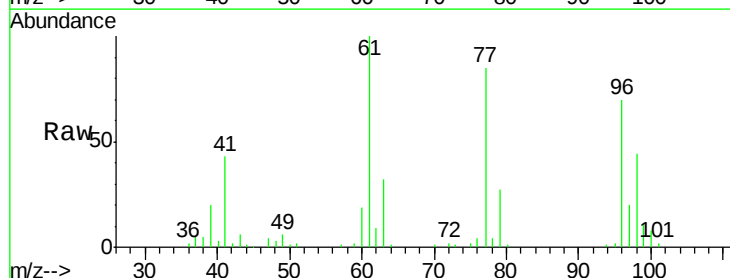
Acq: 04 Jan 2019 12:53

Tgt Ion: 77 Resp: 107057

Ion Ratio Lower Upper

77 100

97 23.4 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028998.D (-935) (-)

Ion 96.90 (96.60 to 97.60): VU028998.D (-935) (-)

40000

30000

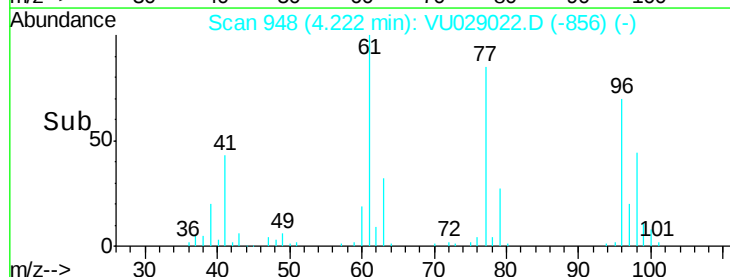
20000

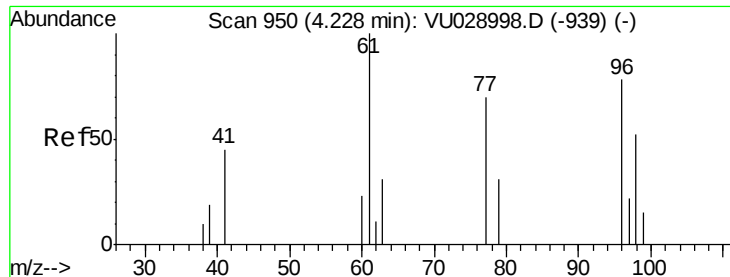
10000

0

4.10 4.20 4.30

Time-->





#27

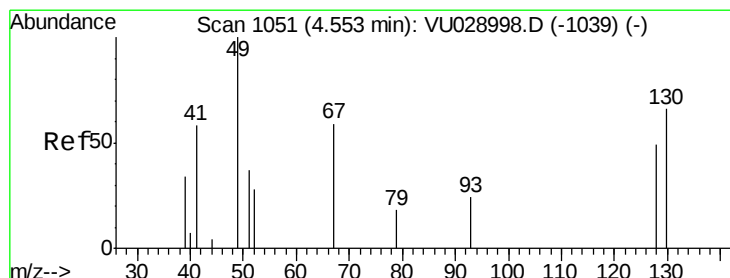
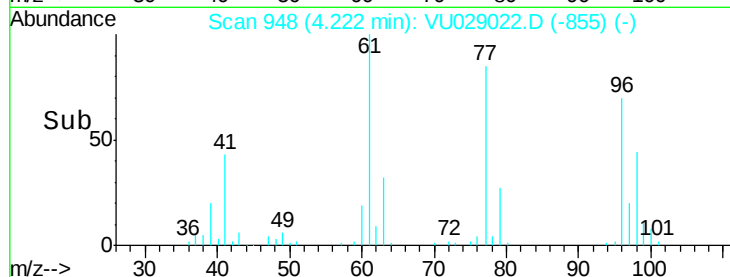
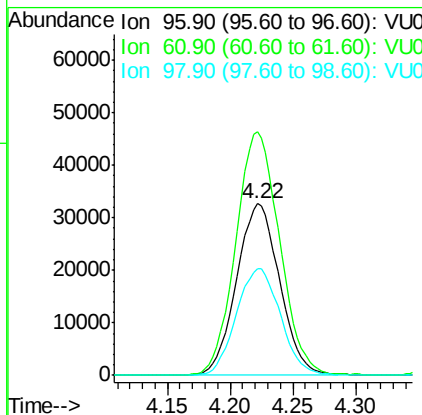
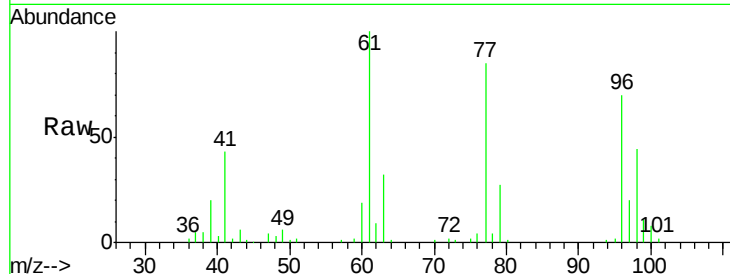
cis-1,2-Dichloroethene
Concen: 48.813 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	285.6
98	63.8	0.0	130.2

Manual Integrations
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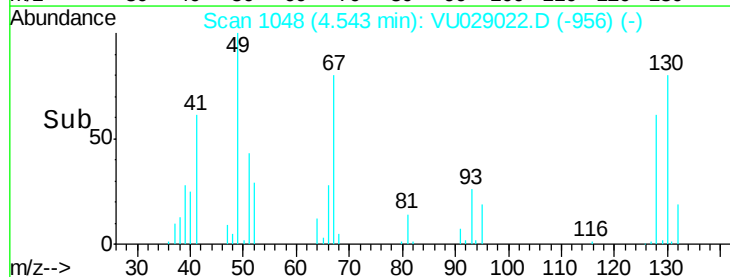
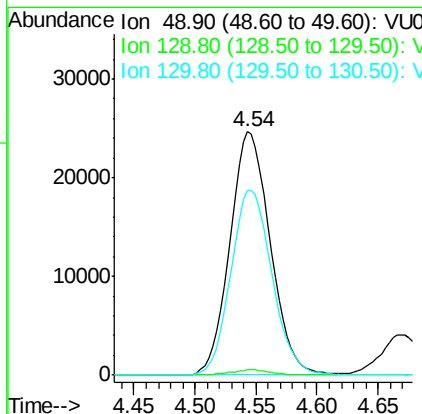
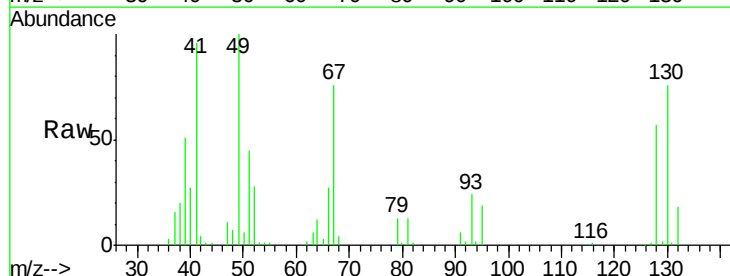
MMDadoda
1/7/2019 12:48:51 PM

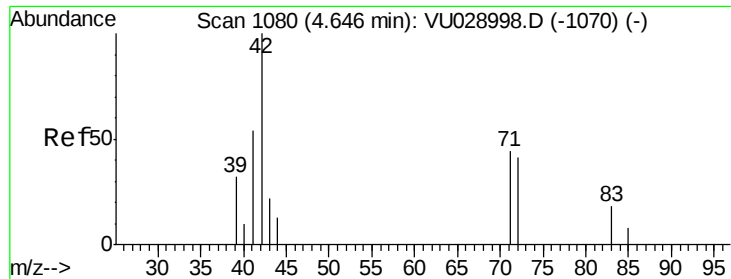


#28

Bromochloromethane
Concen: 50.134 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	77.3	62.9	94.3





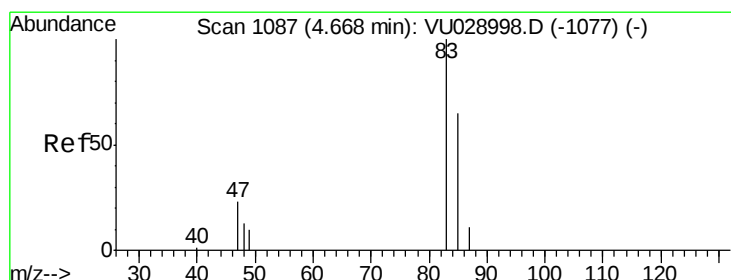
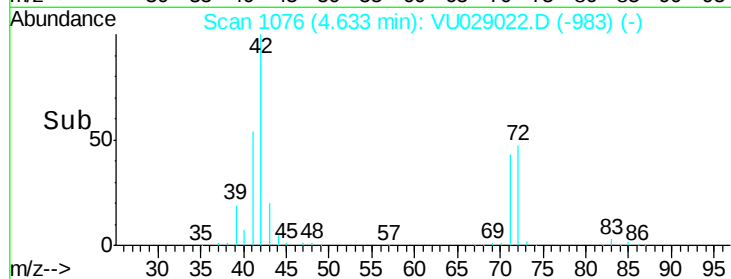
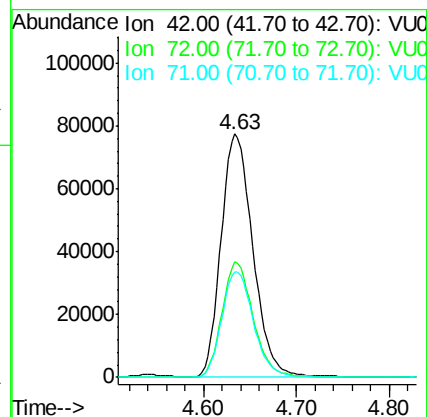
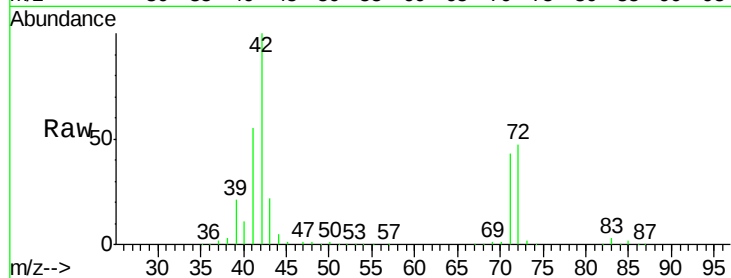
#29
Tetrahydrofuran
Concen: 237.452 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	38.3	57.5
71	43.6	36.1	54.1

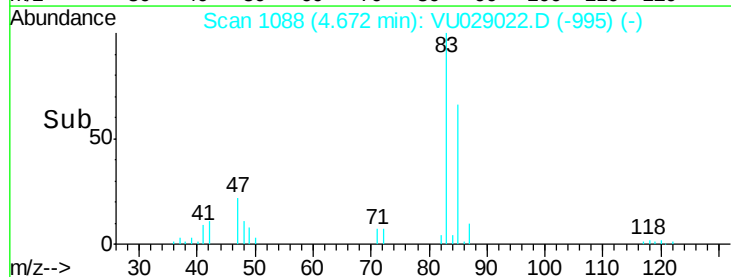
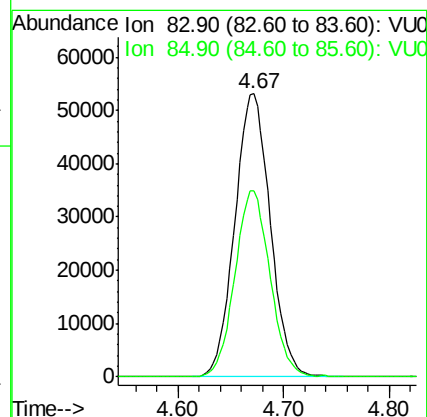
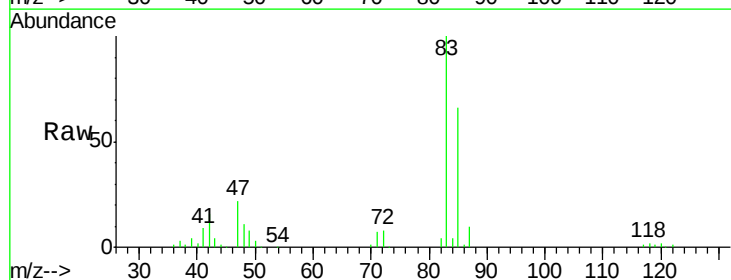
Manual Integrations
APPROVED

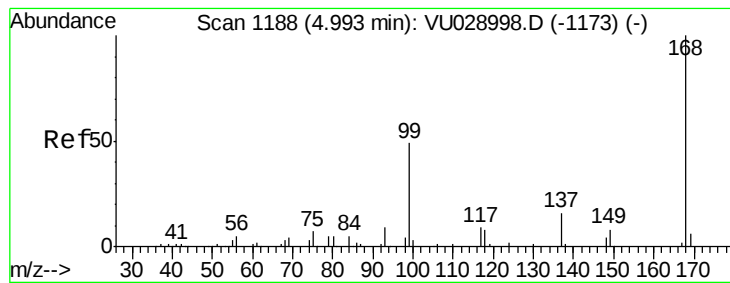
MMDadoda
1/7/2019 12:48:51 PM



#30
Chloroform
Concen: 49.363 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.4	80.0





#31

Cyclohexane

Concen: 49.386 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

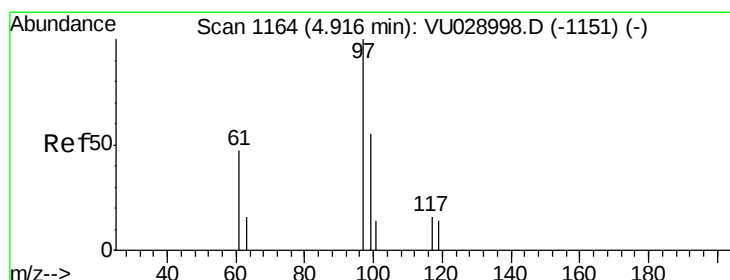
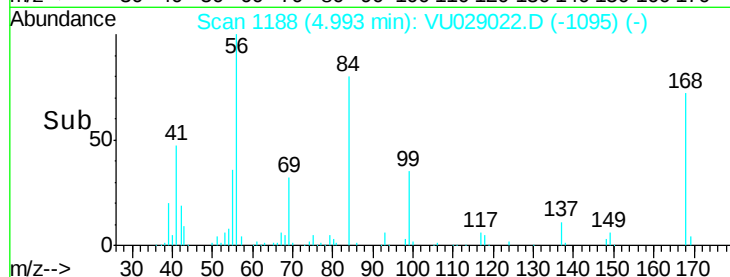
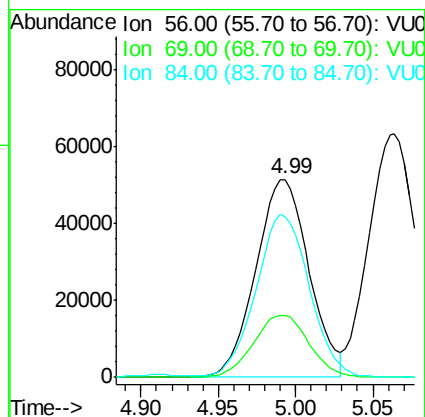
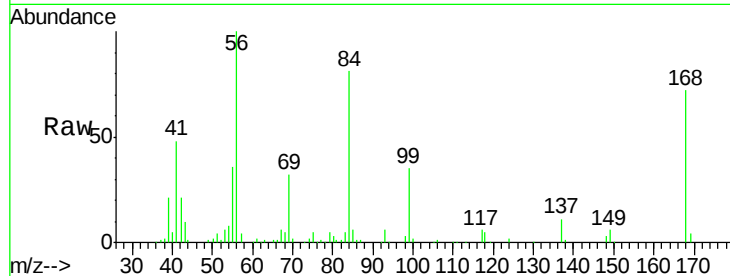
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	122951
Ion Ratio	Lower	Upper	
56	100		
69	31.6	26.7	40.1
84	80.8	65.7	98.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.019 ug/l

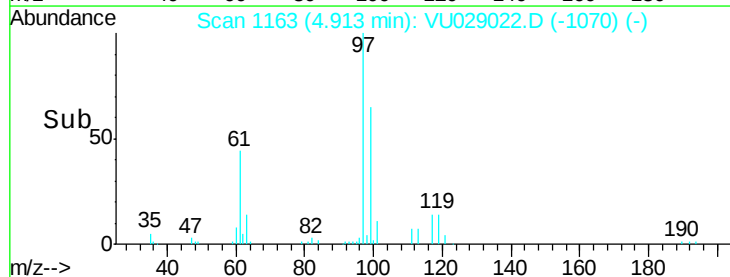
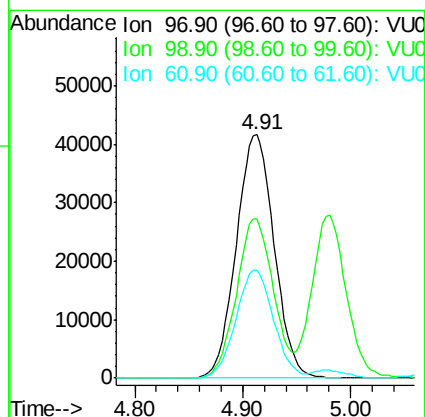
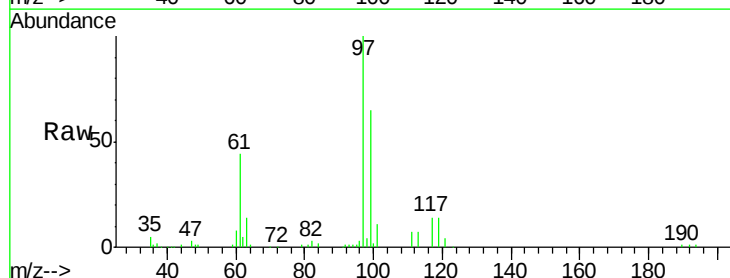
RT: 4.91 min Scan# 1163

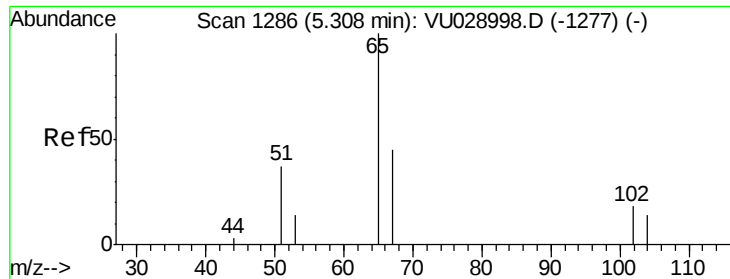
Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Tgt Ion:	97	Resp:	101718
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.4
61	44.0	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 48.943 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 73475

Ion Ratio Lower Upper

65 100

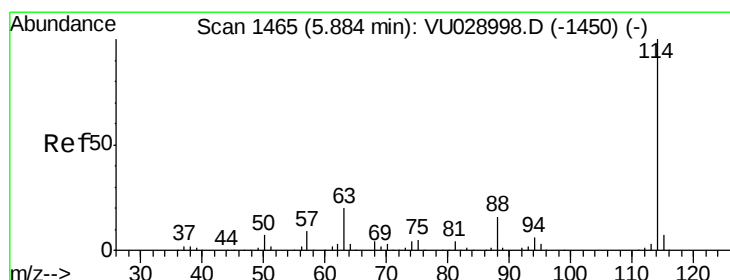
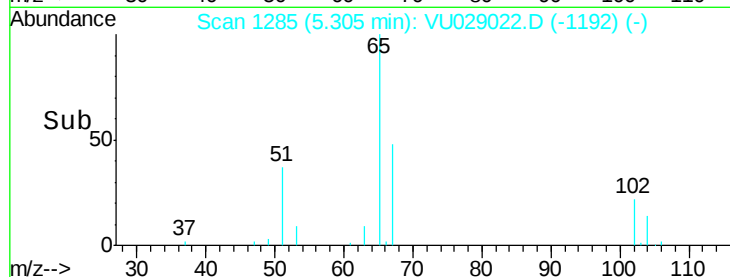
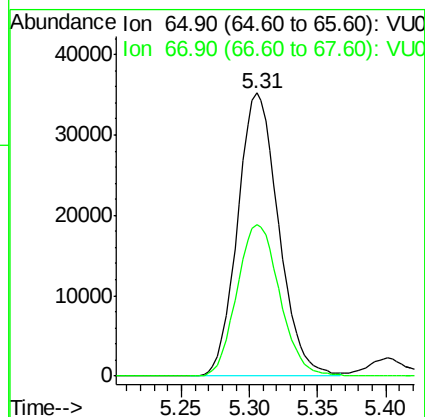
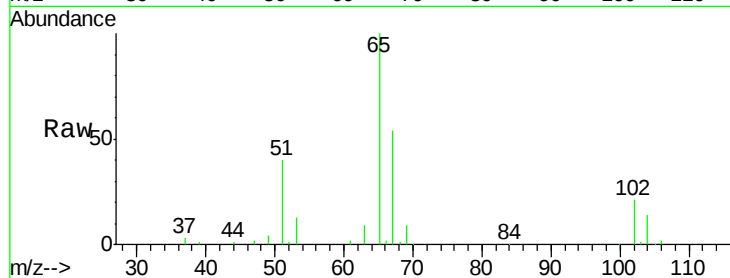
67 55.9 0.0 111.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

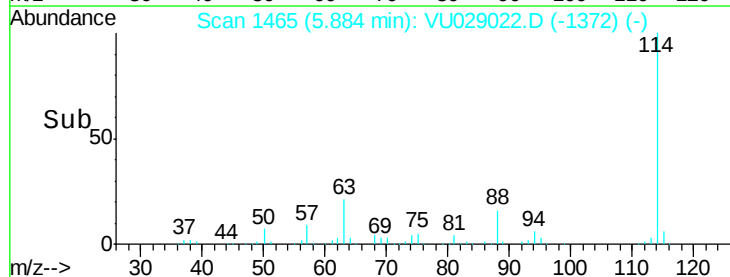
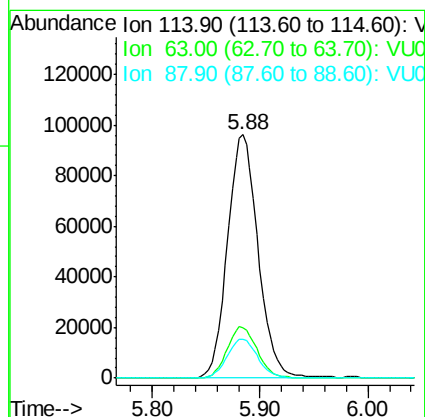
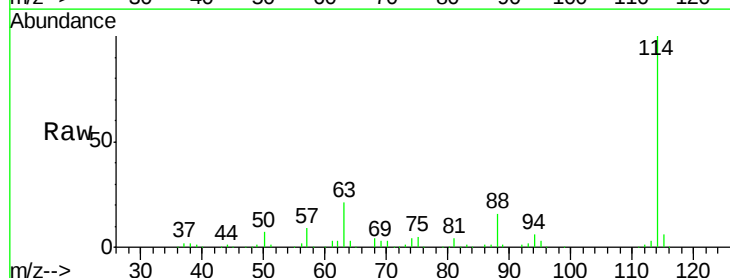
Tgt Ion: 114 Resp: 190198

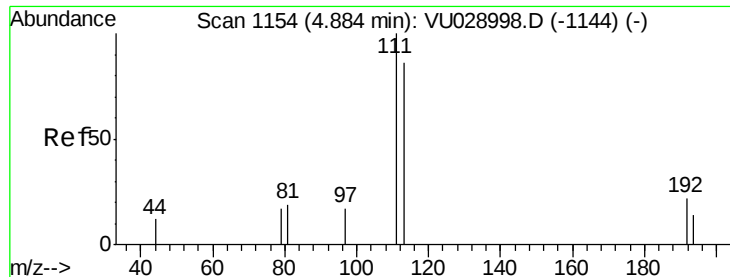
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.2

88 16.0 0.0 30.4





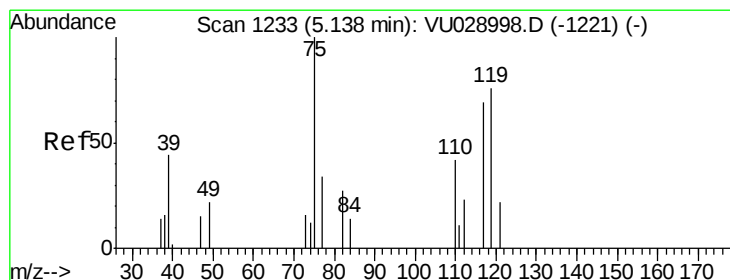
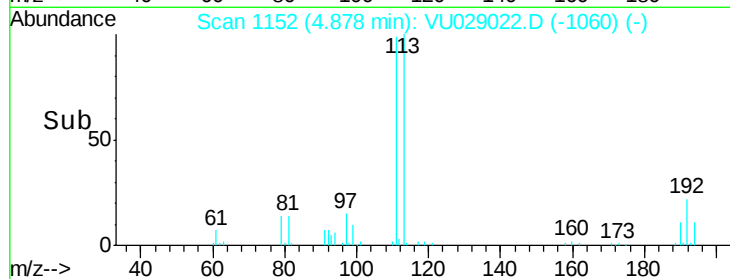
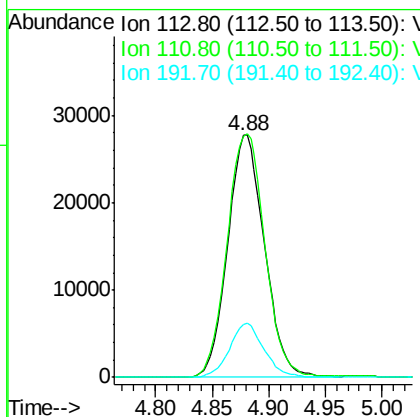
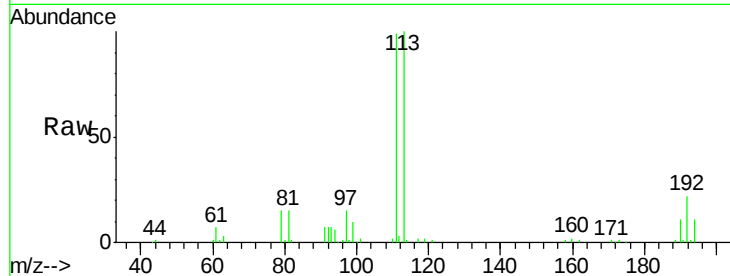
#35
 Dibromofluoromethane
 Concen: 50.914 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.2
192	20.7	16.8	25.2

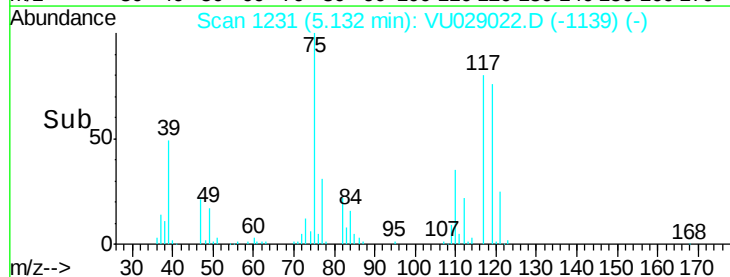
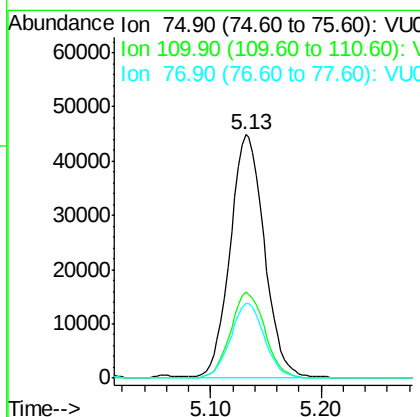
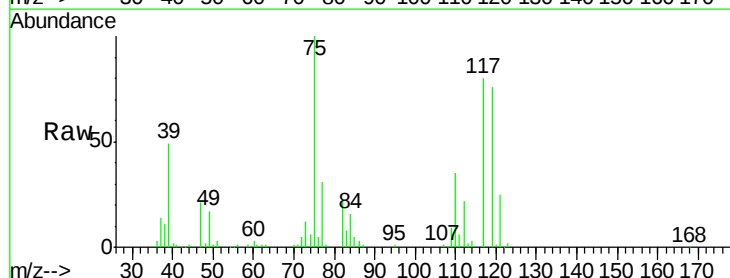
Manual Integrations
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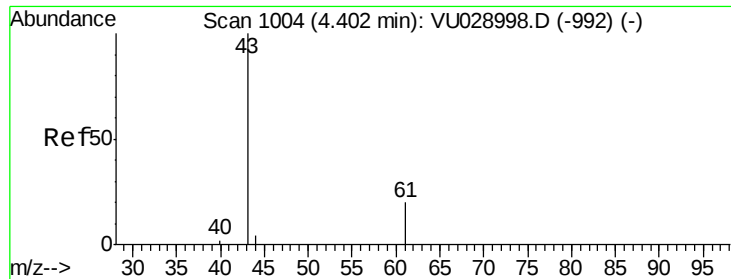
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#36
 1,1-Dichloropropene
 Concen: 50.337 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.4	55.4
77	30.7	25.1	37.7





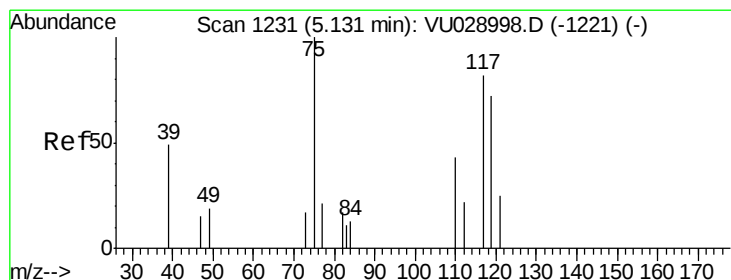
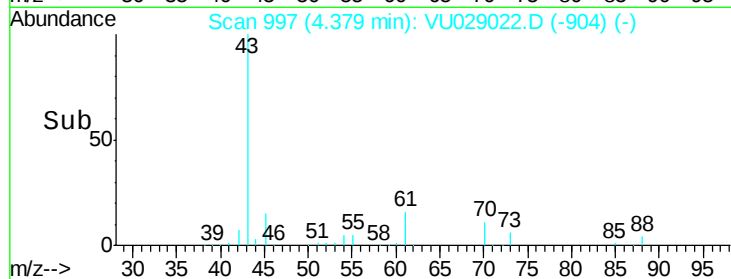
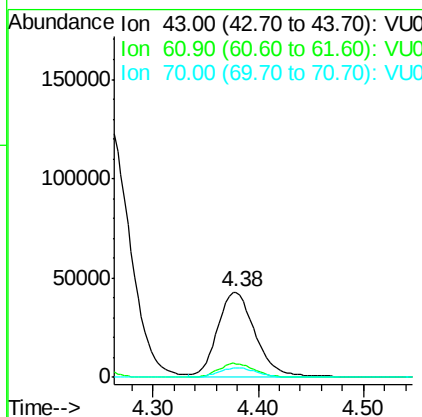
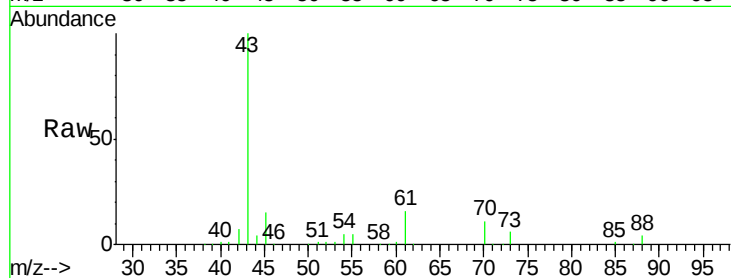
#37
Ethyl Acetate
Concen: 49.959 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.6	18.8
70	11.3	9.3	13.9

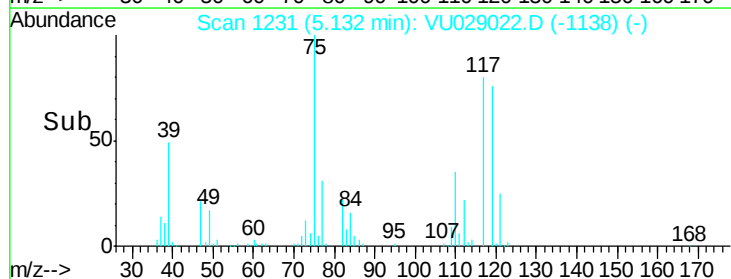
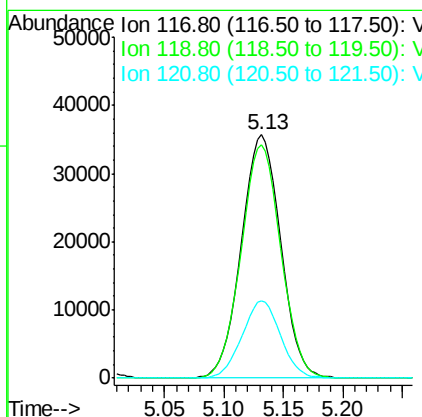
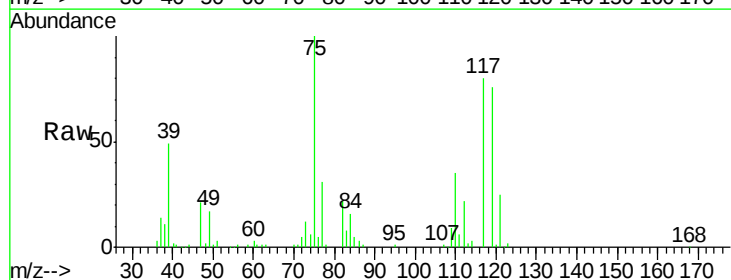
Manual Integrations
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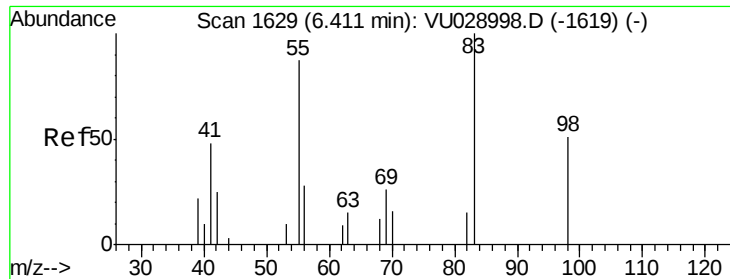
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.641 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	74.6	111.8
121	31.8	25.0	37.6





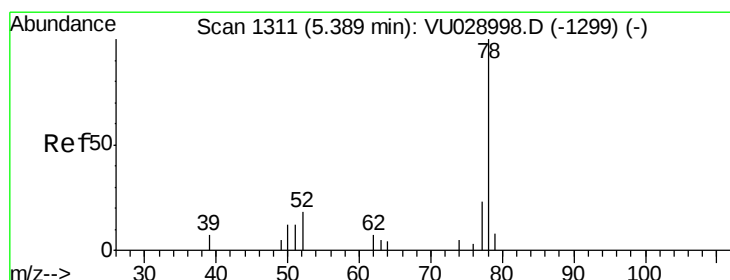
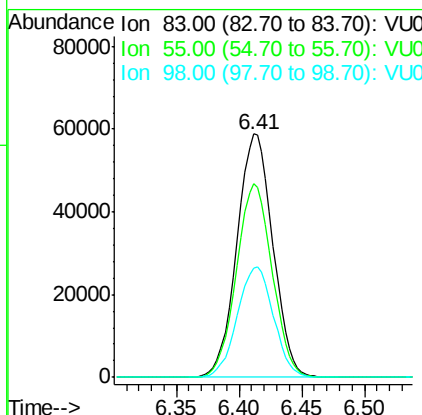
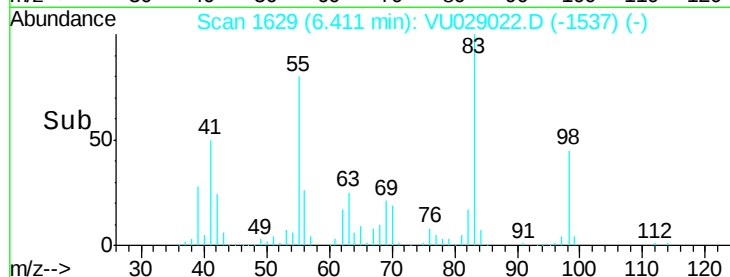
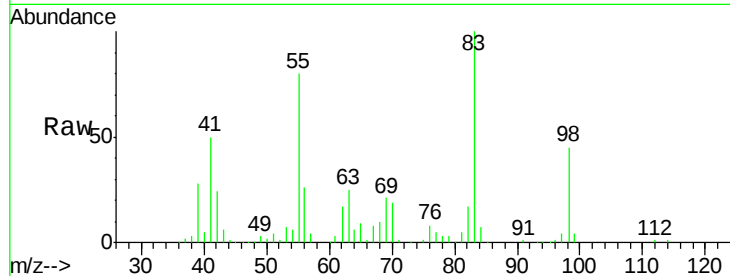
#39
Methvlcvclohexane
Concen: 50.213 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	62.4	93.6
98	44.6	36.2	54.2

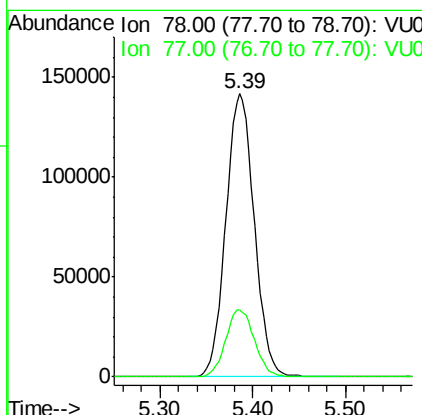
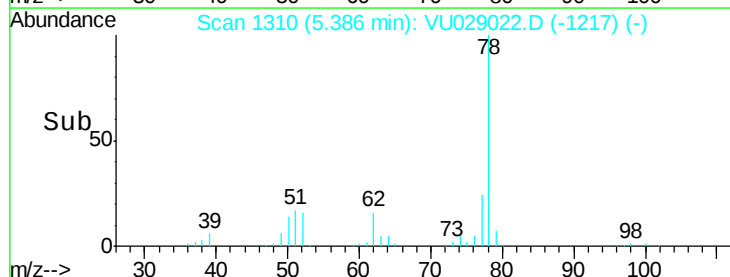
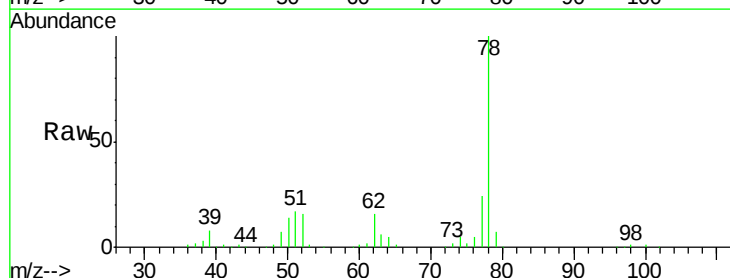
Manual Integrations
APPROVED

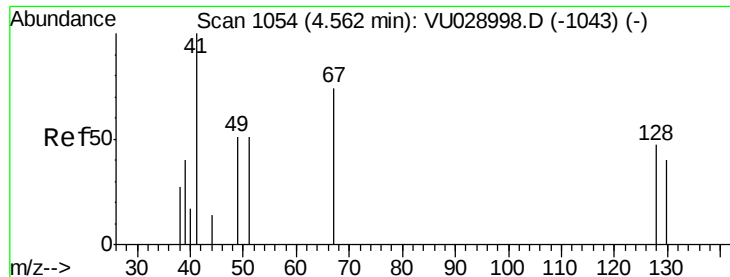
MMDadoda
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#40
Benzene
Concen: 50.841 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





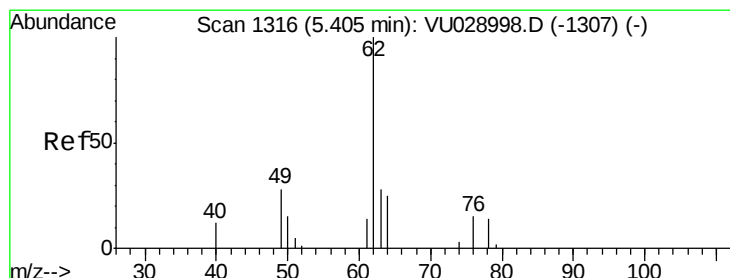
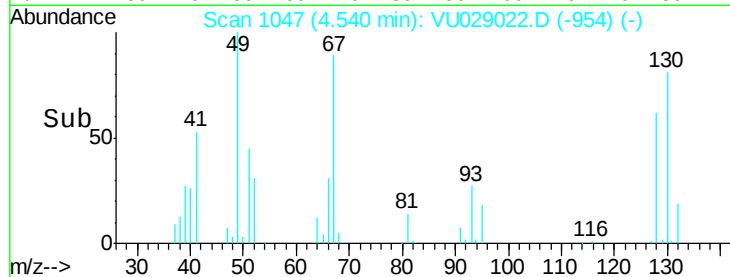
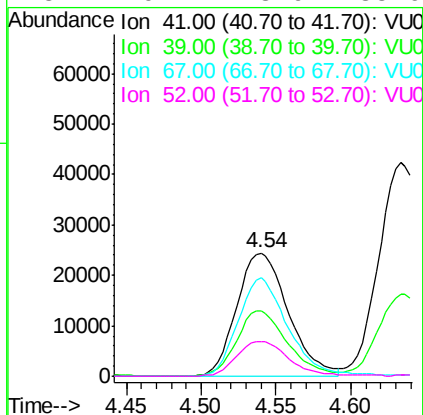
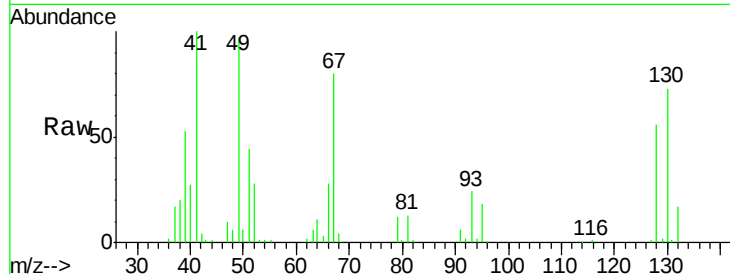
#41
Methacrylonitrile
Concen: 52.343 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	58468
Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.3	63.5
67	77.8	64.4	96.6
52	29.2	23.9	35.9

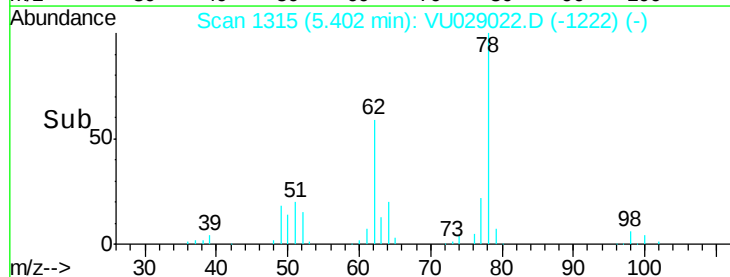
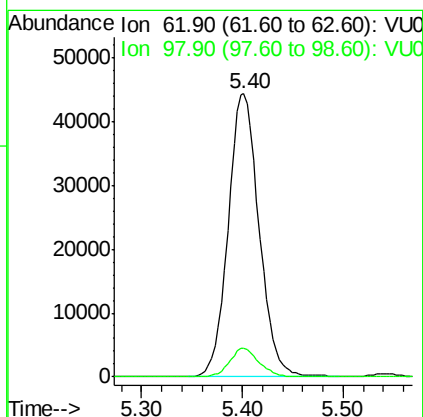
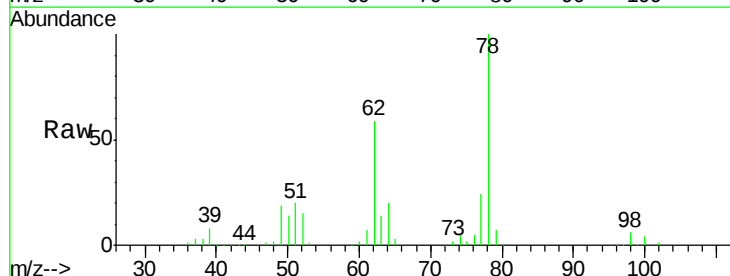
Manual Integrations
APPROVED

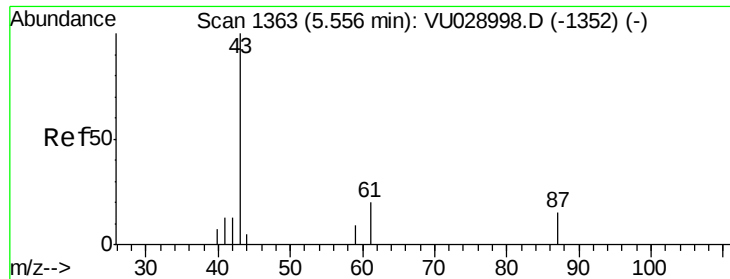
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.063 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion:	62	Resp:	94555
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6





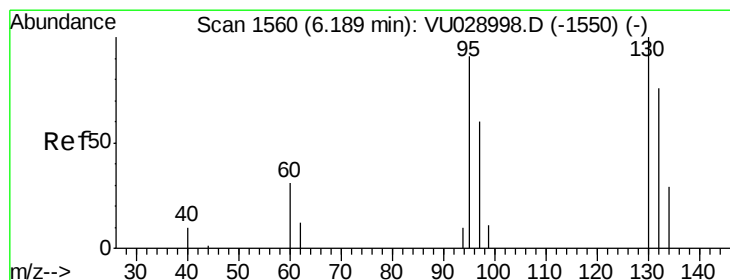
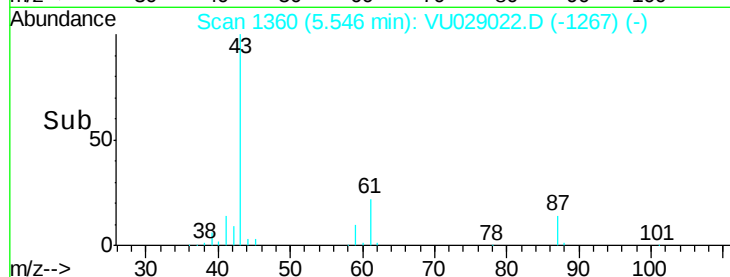
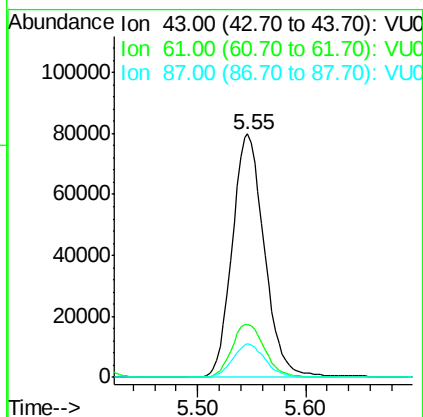
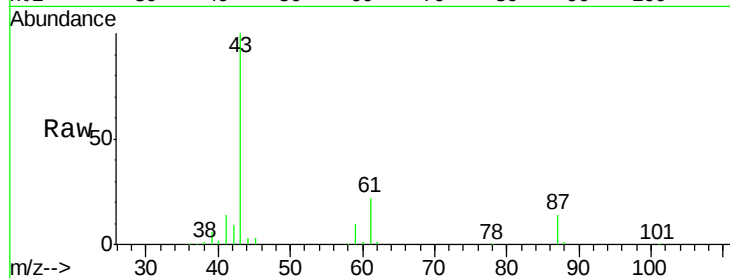
#43
Isopropyl Acetate
Concen: 51.513 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.8	26.6
87	13.8	11.3	16.9

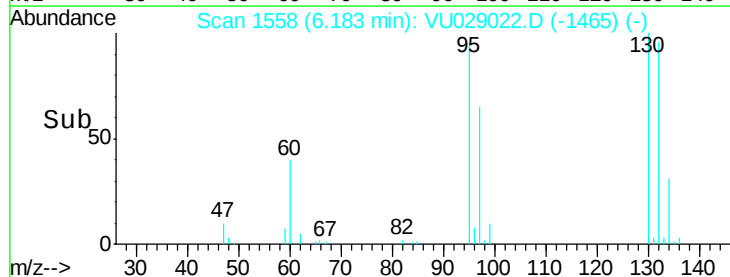
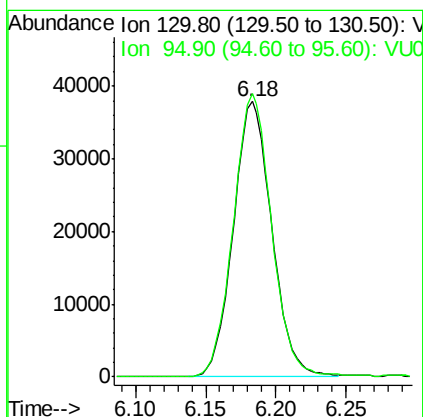
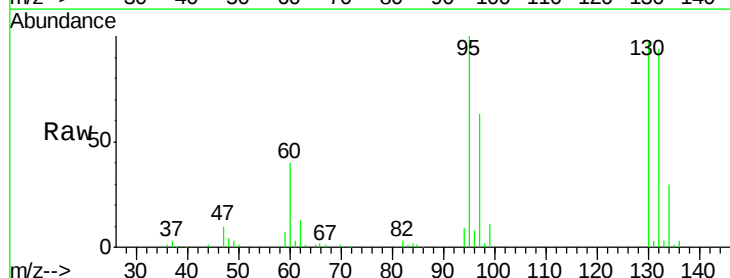
Manual Integrations
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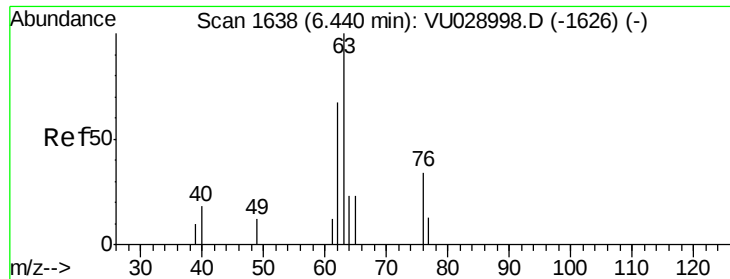
MMDadoda
1/7/2019 12:48:51 PM



#44
Trichloroethene
Concen: 49.292 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	205.0





#45

1,2-Dichloropropane

Concen: 52.042 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 81499

Ion Ratio Lower Upper

63 100

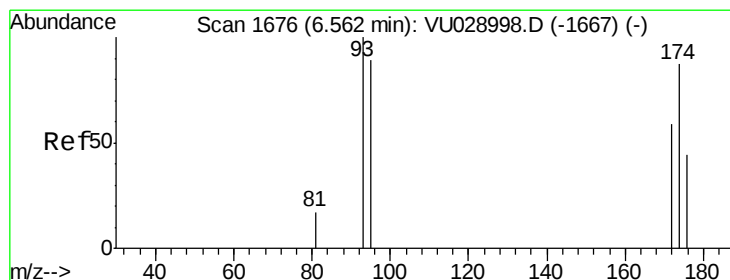
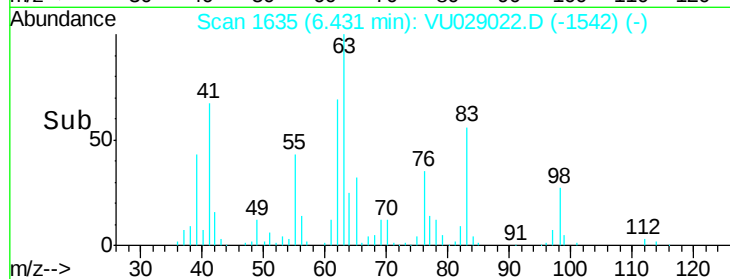
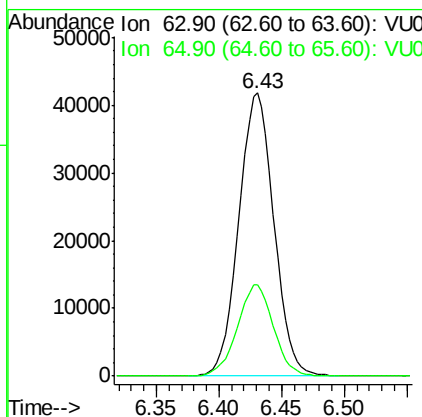
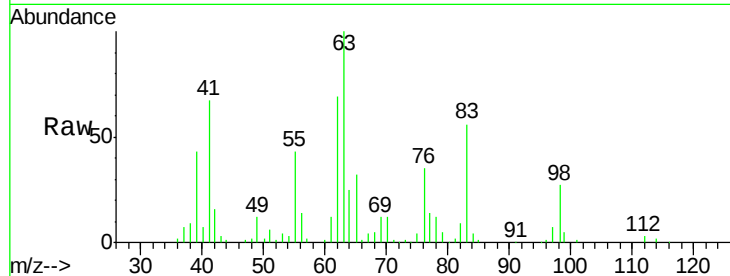
65 32.1 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 51.313 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

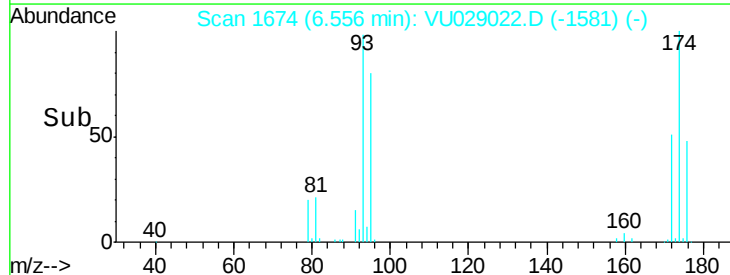
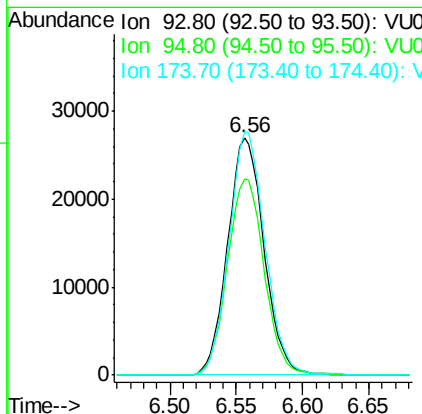
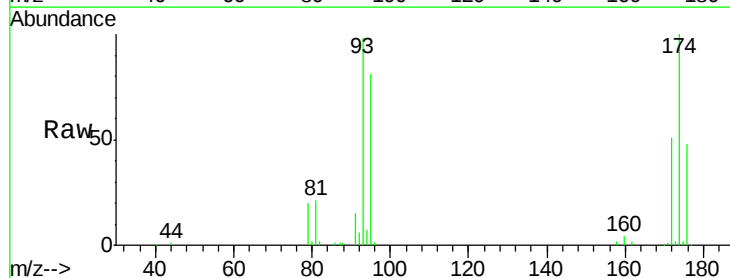
Tgt Ion: 93 Resp: 51369

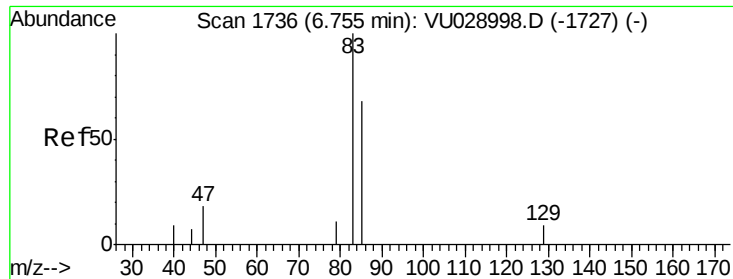
Ion Ratio Lower Upper

93 100

95 83.6 67.2 100.8

174 101.8 82.6 123.8





#47

Bromodichloromethane

Concen: 52.161 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

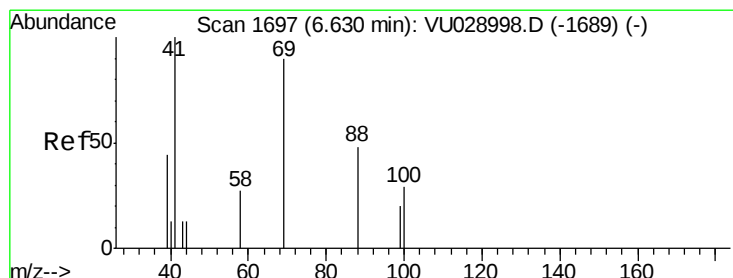
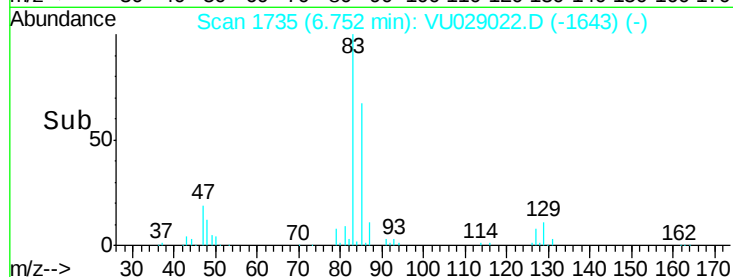
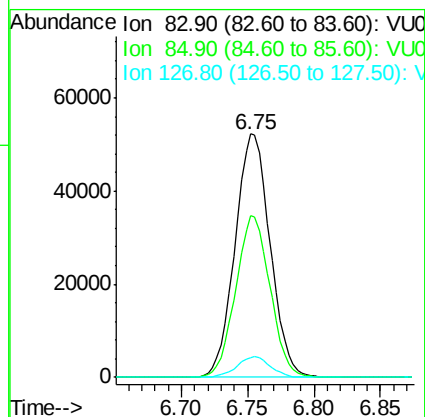
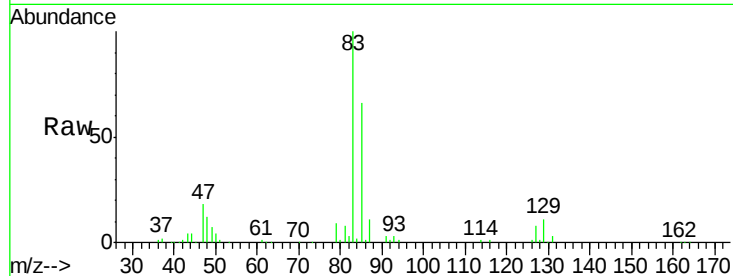
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	96142
Ion Ratio	Lower	Upper	
83	100		
85	66.4	51.4	77.2
127	8.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.752 ug/l

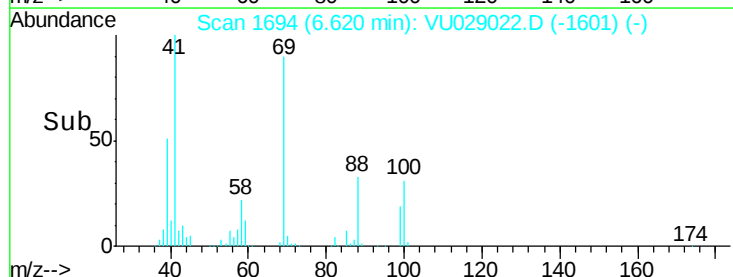
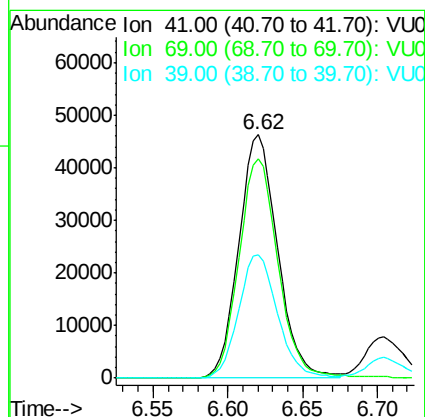
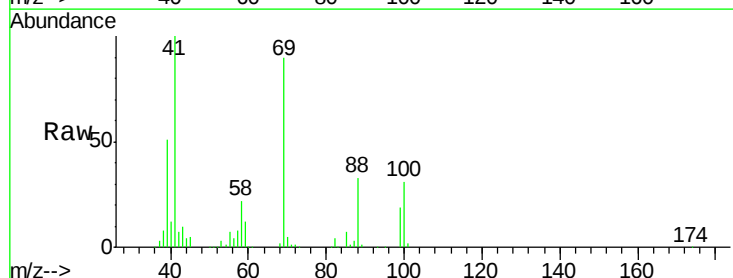
RT: 6.62 min Scan# 1694

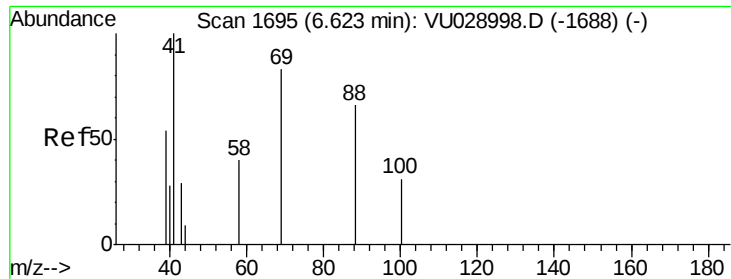
Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Tgt Ion:	41	Resp:	83784
Ion Ratio	Lower	Upper	
41	100		
69	90.9	73.6	110.4
39	50.8	39.6	59.4





#49

1,4-Dioxane

Concen: 994.644 ug/l

RT: 6.61 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

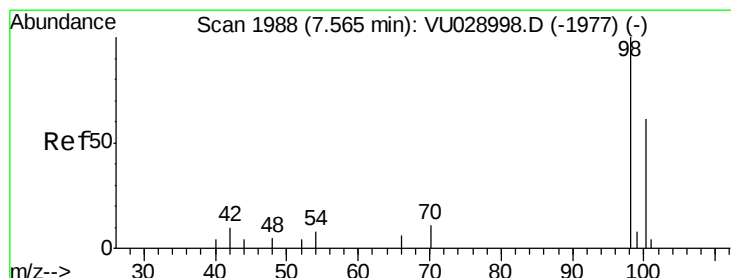
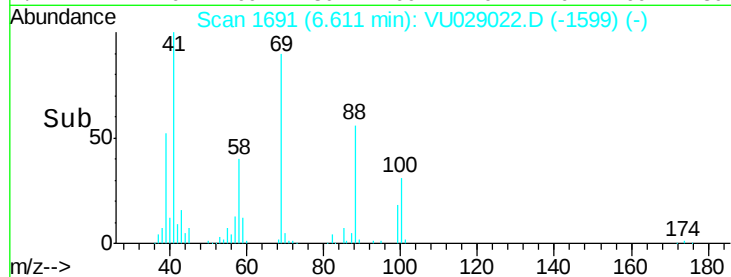
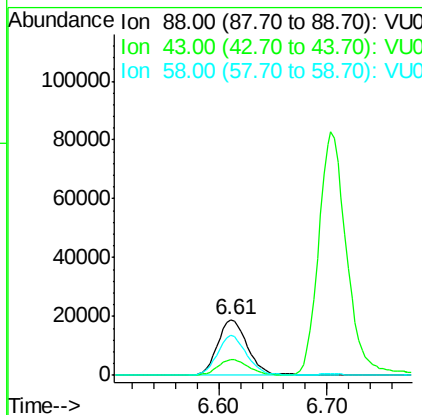
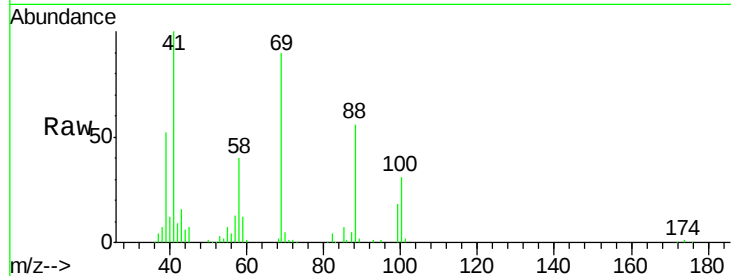
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	36741
Ion	Ratio	Lower	Upper
88	100		
43	29.4	23.0	34.4
58	69.8	57.9	86.9

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#50

Toluene-d8

Concen: 50.703 ug/l

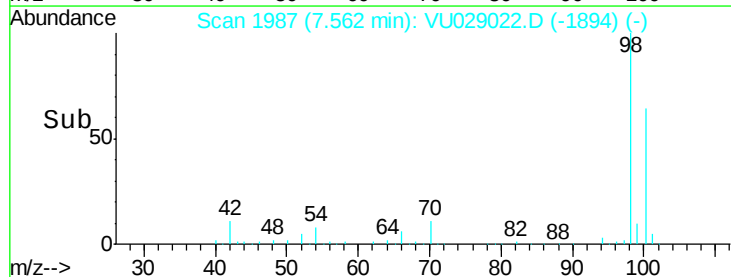
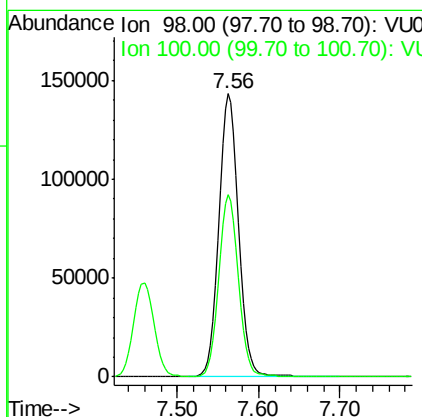
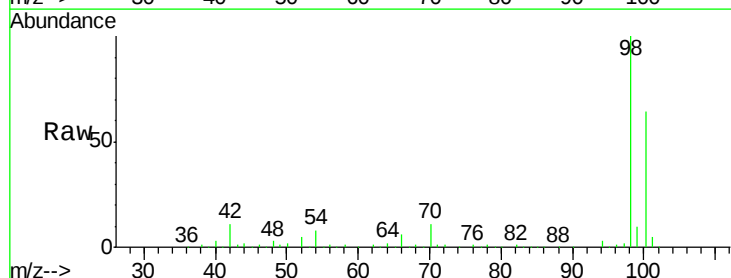
RT: 7.56 min Scan# 1987

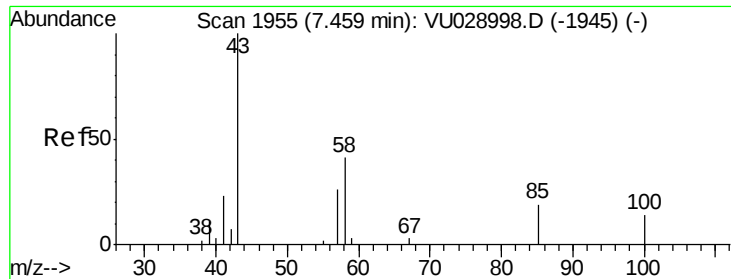
Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Tgt Ion:	98	Resp:	246792
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 253.800 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 552914

Ion Ratio Lower Upper

43 100

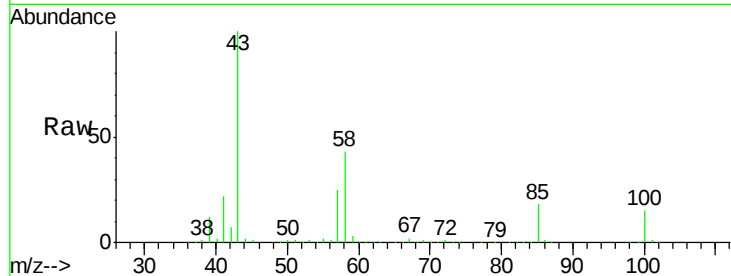
58 42.2 33.9 50.9

Manual Integrations

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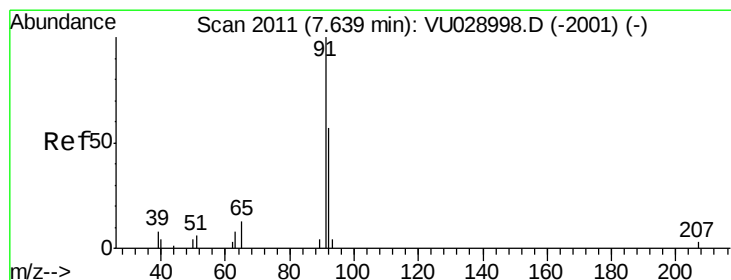
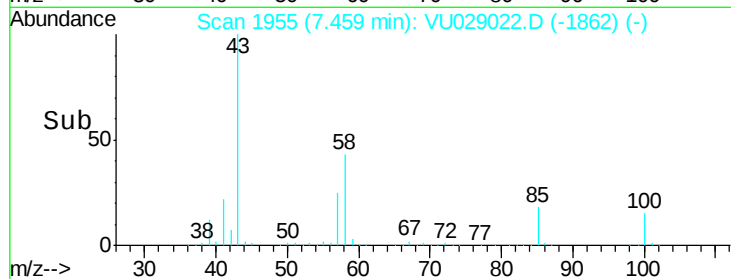
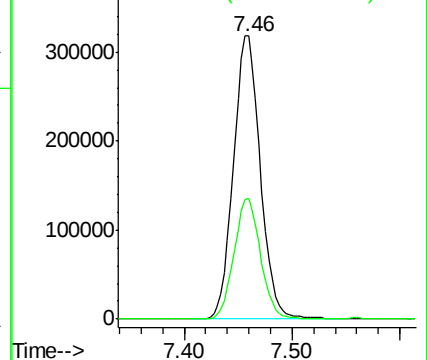
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 50.845 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029022.D

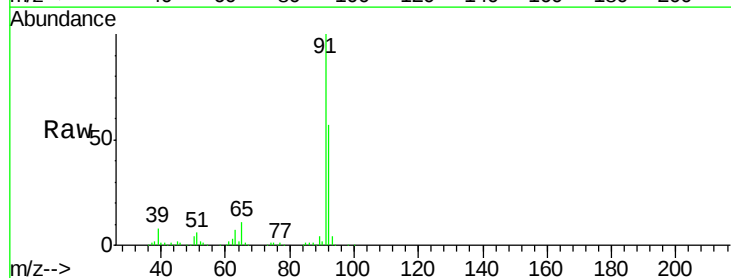
Acq: 04 Jan 2019 12:53

Tgt Ion: 92 Resp: 183556

Ion Ratio Lower Upper

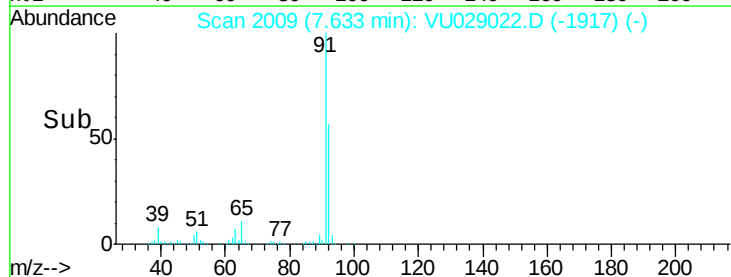
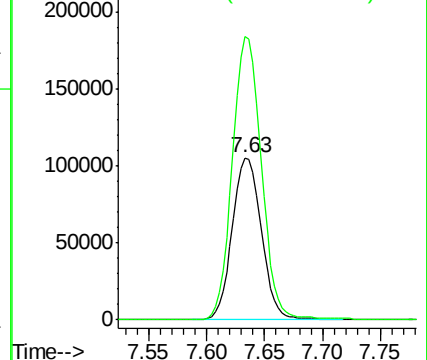
92 100

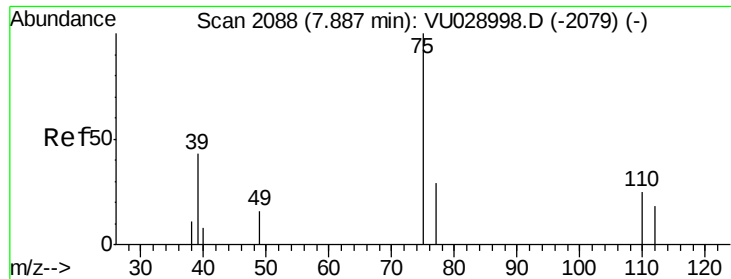
91 173.9 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 50.494 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Tot Ion: 75 Resp: 111801

Ion Ratio Lower Upper

75 100

77 33.1 25.0 37.4

Instrument :

MSVOA_U

ClientSampleId :

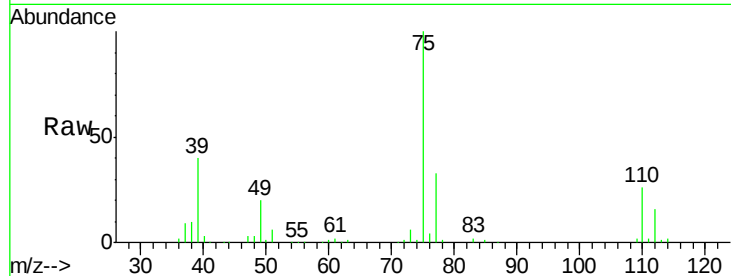
VSTDCCC050

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

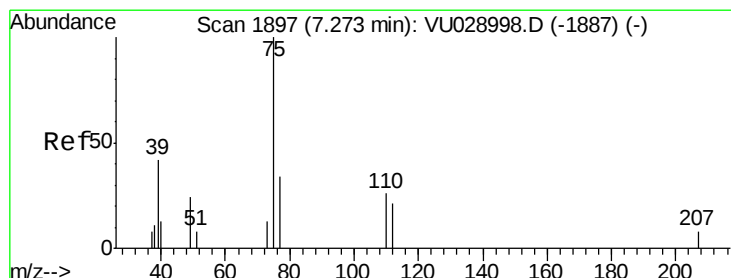
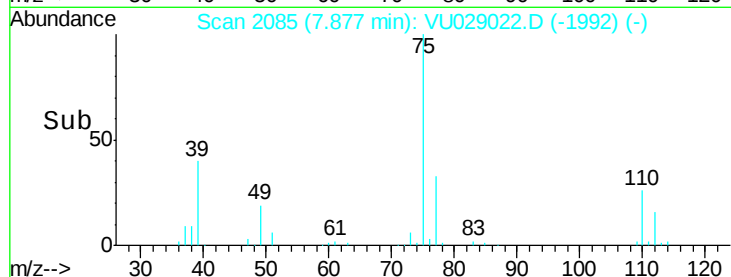
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.775 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

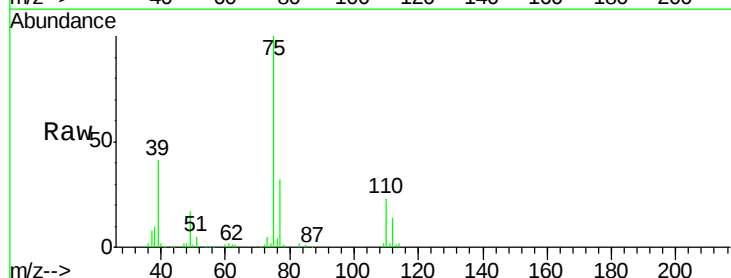
Tgt Ion: 75 Resp: 121479

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6

39 41.5 32.2 48.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

80000

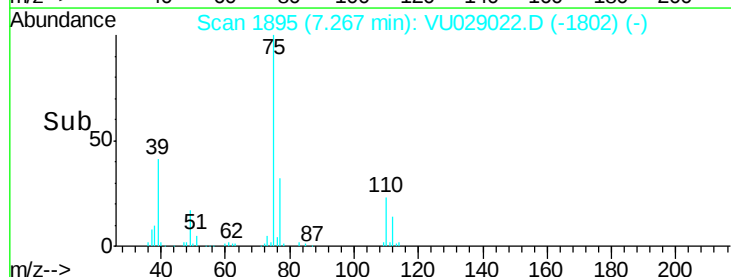
60000

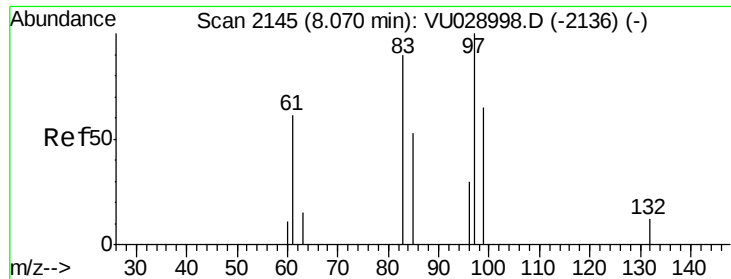
40000

20000

0

Time-->





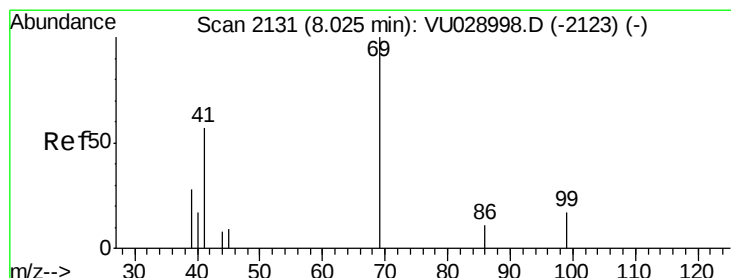
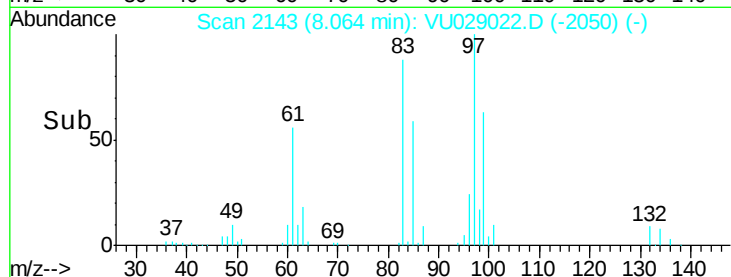
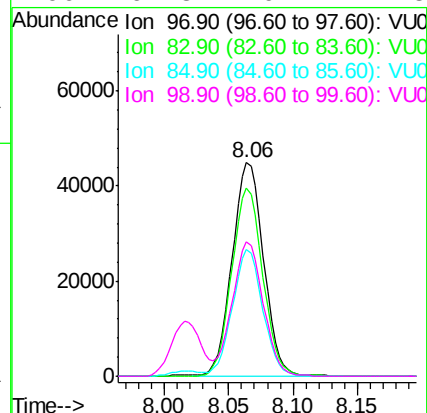
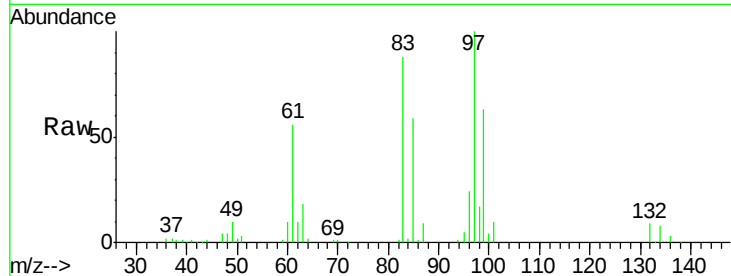
#55
 1,1,2-Trichloroethane
 Concen: 52.734 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	76266
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.8	104.8
85	59.1	47.3	70.9
99	62.8	49.7	74.5

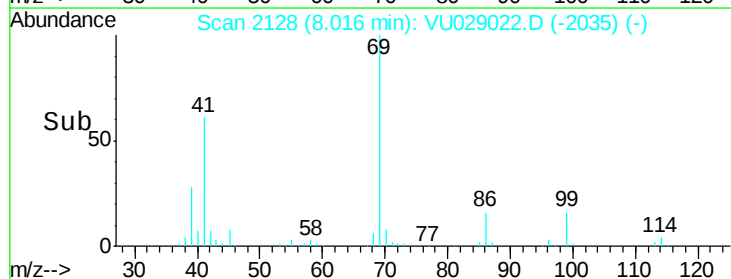
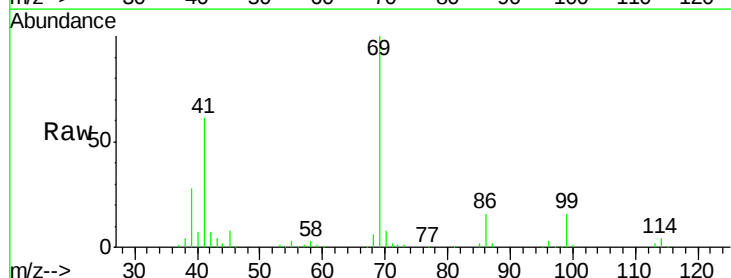
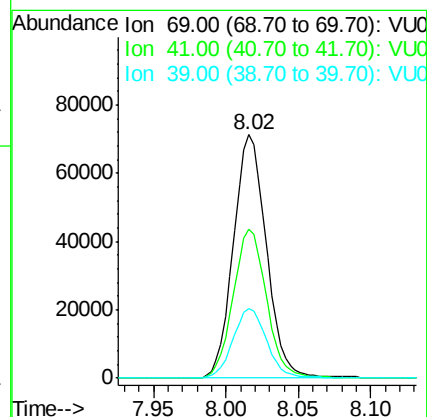
Manual Integrations
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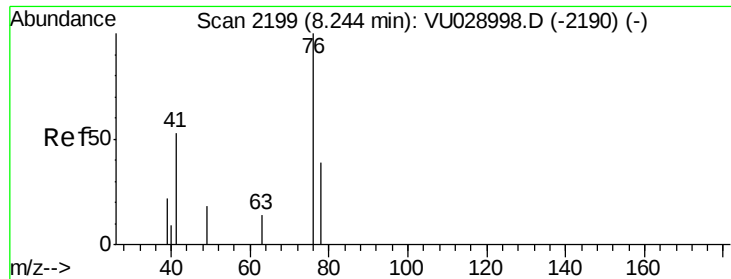
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#56
 Ethyl methacrylate
 Concen: 50.544 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Tgt Ion:	69	Resp:	112617
Ion	Ratio	Lower	Upper
69	100		
41	62.0	47.5	71.3
39	29.3	22.5	33.7





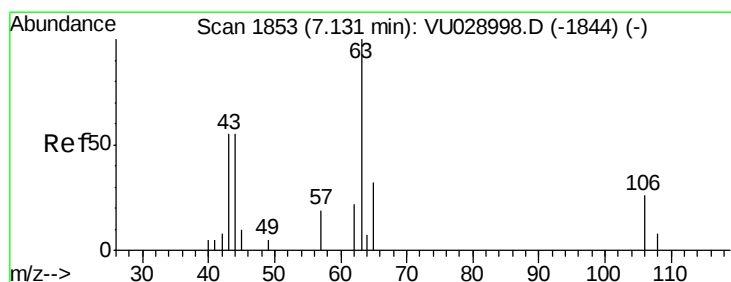
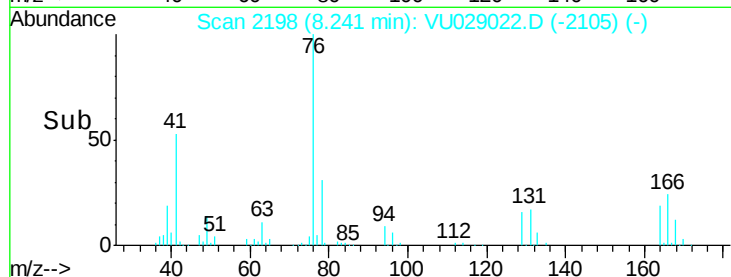
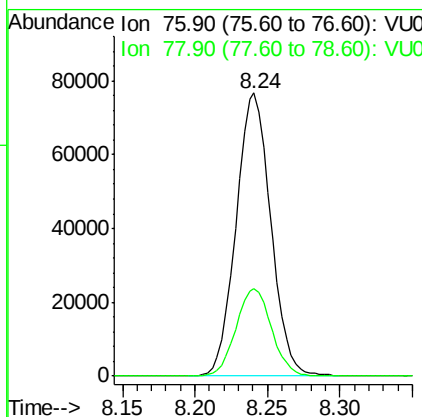
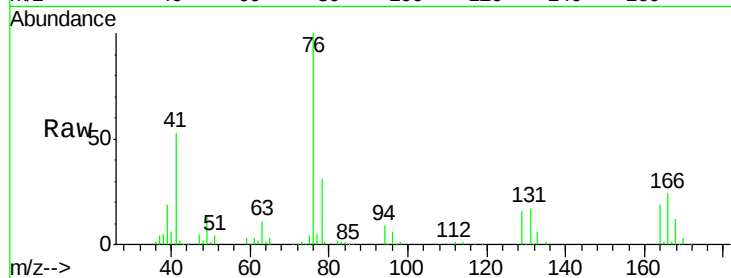
#57
 1,3-Dichloropropane
 Concen: 51.575 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 127632
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.0 39.0

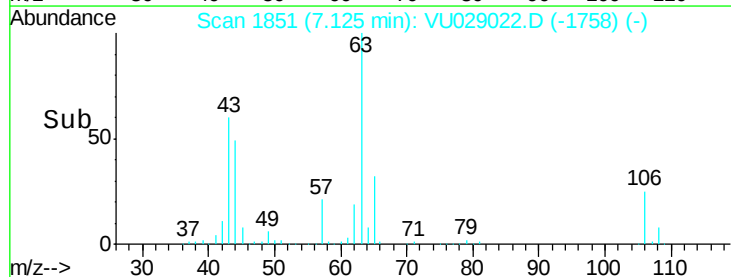
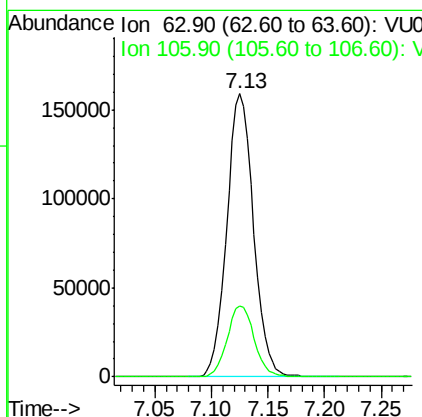
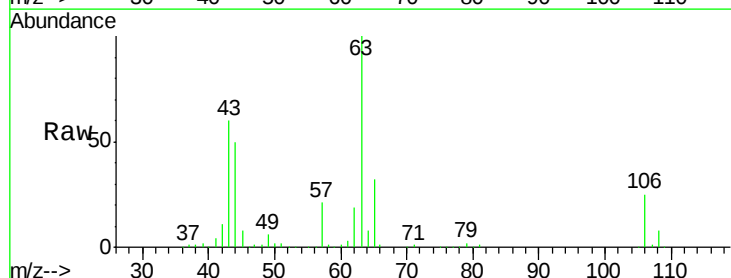
Manual Integrations
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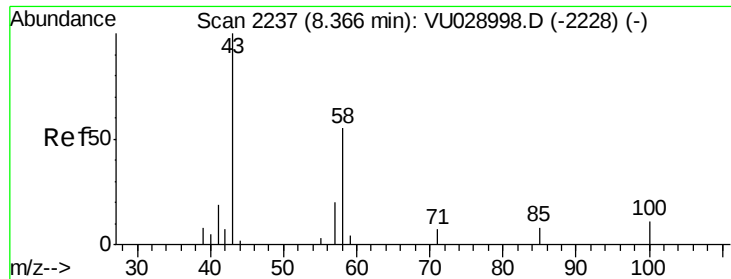
MMDadoda
 1/7/2019 12:48:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.780 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Tgt Ion: 63 Resp: 261412
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.6 31.0





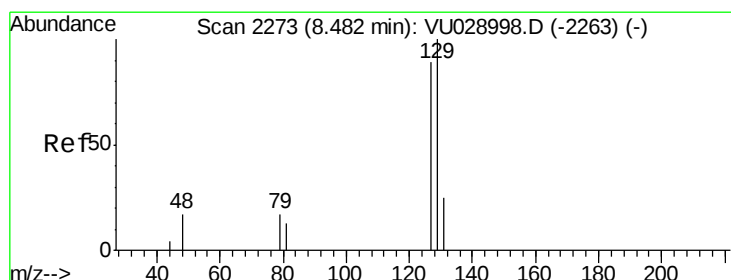
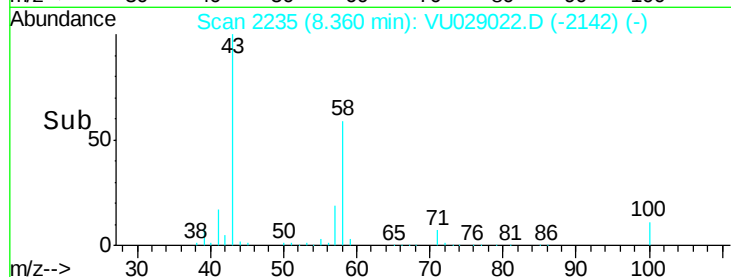
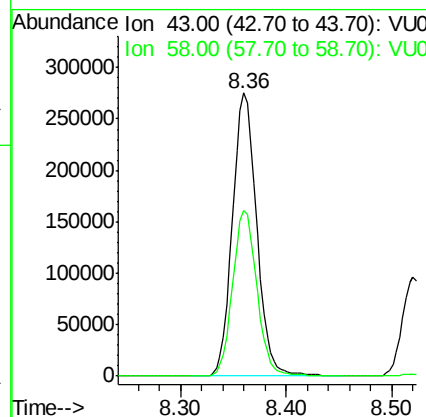
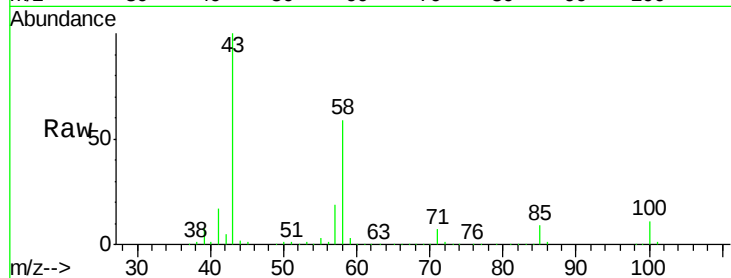
#59
2-Hexanone
Concen: 256.691 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 438962
Ion Ratio Lower Upper
43 100
58 58.7 29.8 89.4

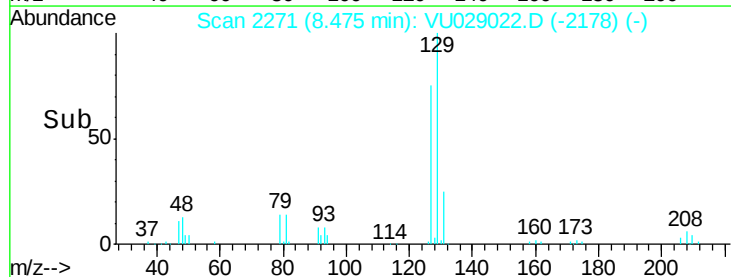
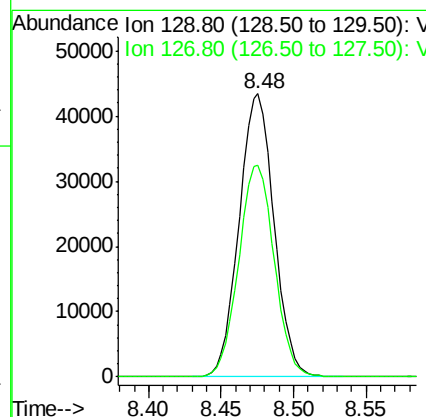
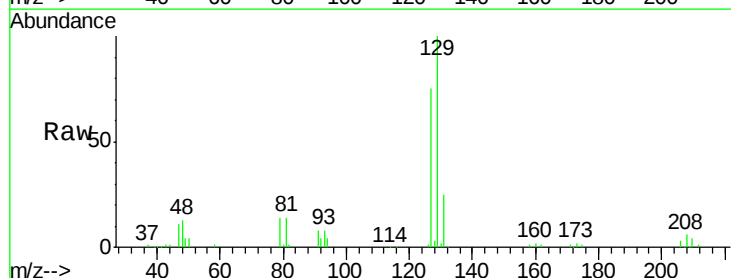
Manual Integrations
APPROVED

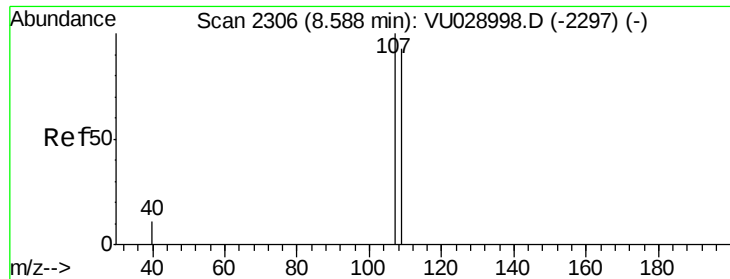
MMDadoda
1/7/2019 12:48:51 PM



#60
Dibromochloromethane
Concen: 50.752 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion: 129 Resp: 72719
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.0





#61

1,2-Dibromoethane

Concen: 50.505 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 79219

Ion Ratio Lower Upper

107 100

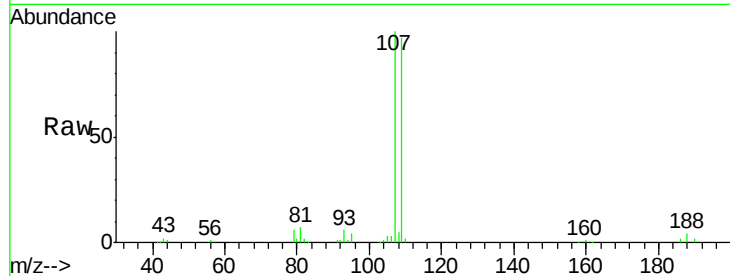
109 96.2 75.5 113.3

Manual Integrations

APPROVED

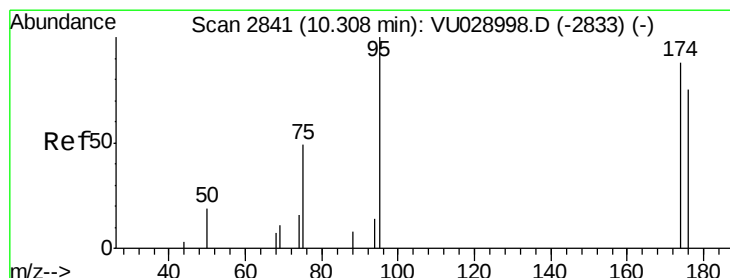
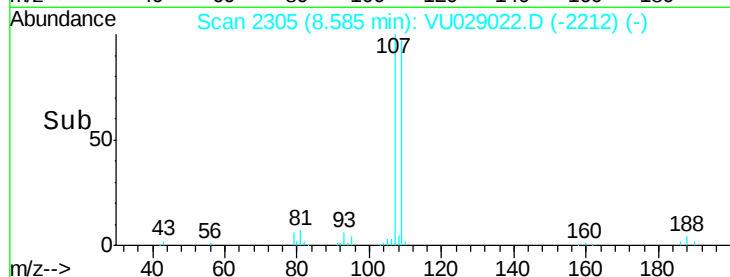
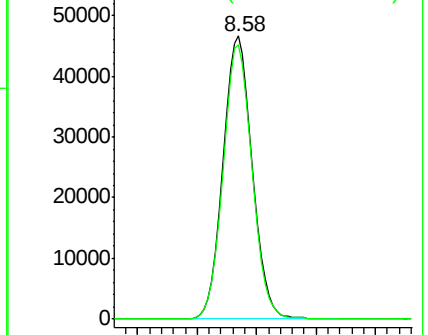
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.387 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

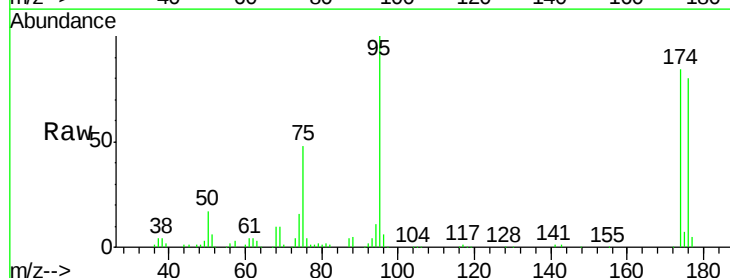
Tgt Ion: 95 Resp: 88139

Ion Ratio Lower Upper

95 100

174 84.5 0.0 170.6

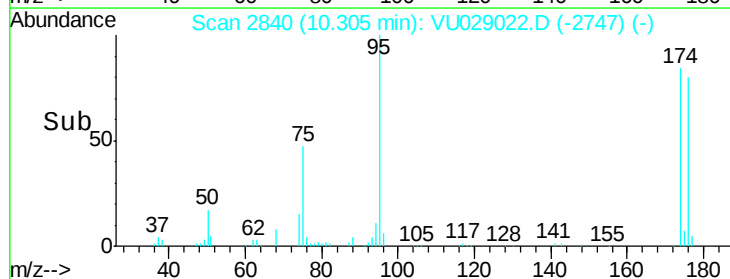
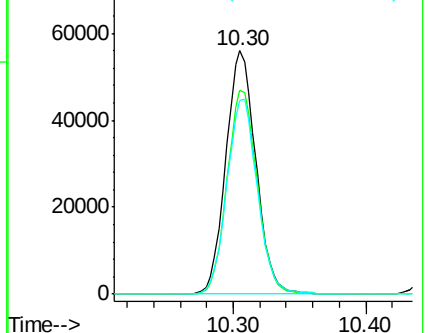
176 81.2 0.0 165.0

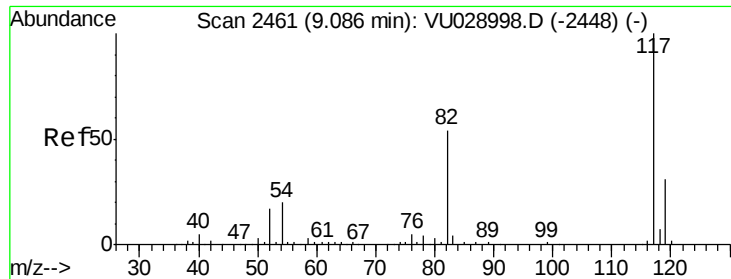


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





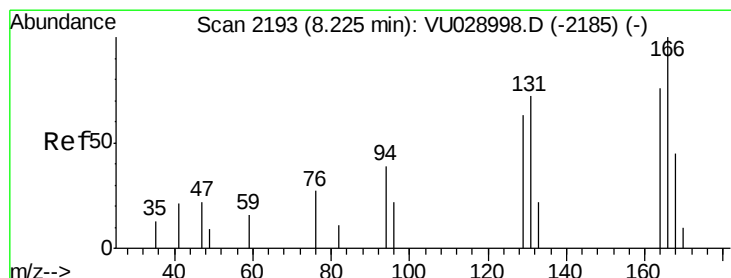
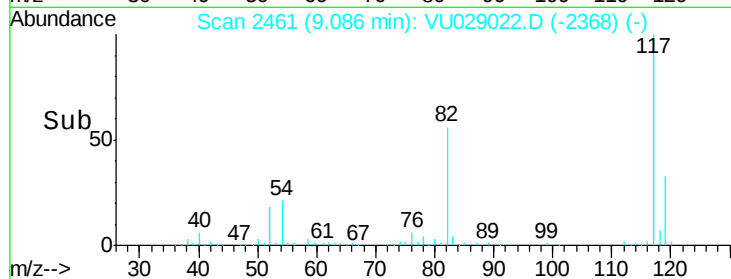
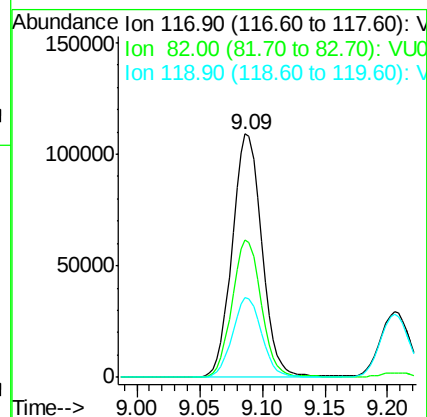
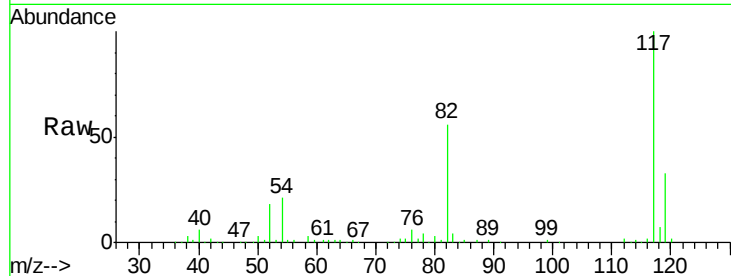
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	43.9	65.9
119	32.7	26.0	39.0

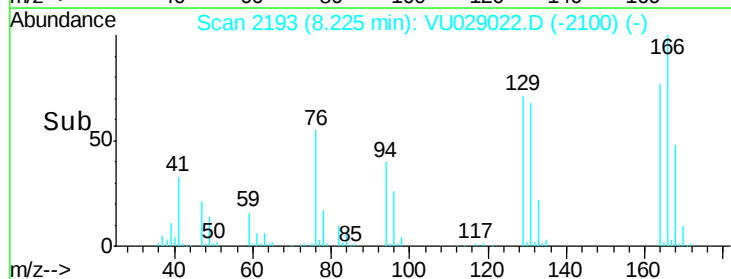
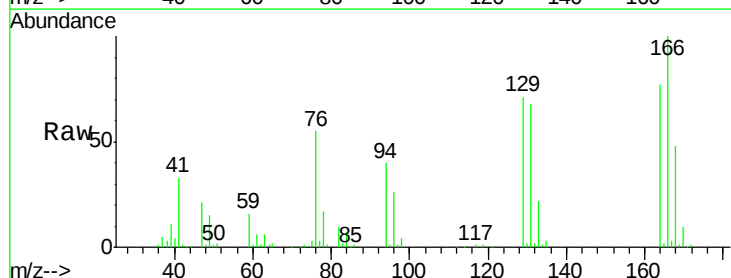
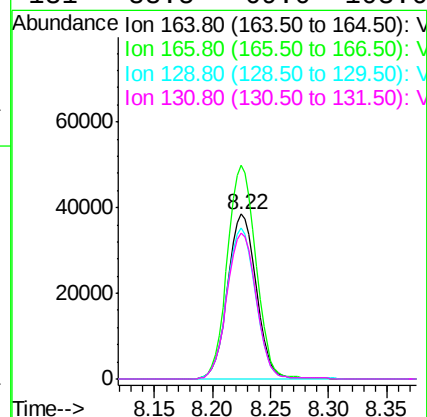
Manual Integrations
APPROVED

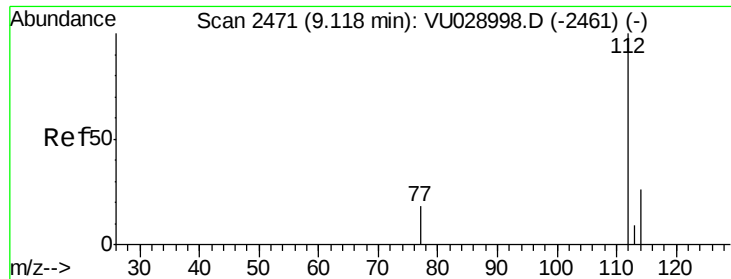
MMDadoda
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#64
Tetrachloroethene
Concen: 50.711 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	99.4	149.0
129	91.6	70.5	105.7
131	88.5	69.0	103.6





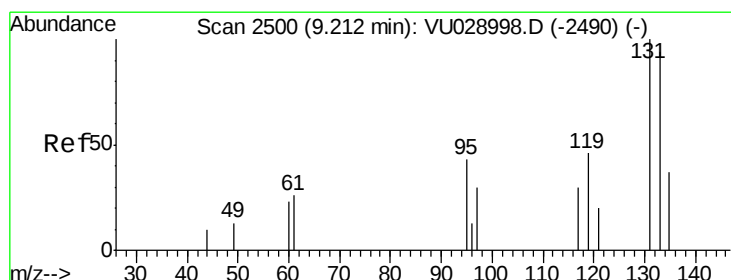
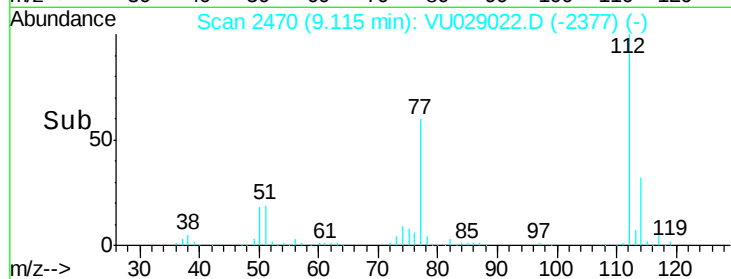
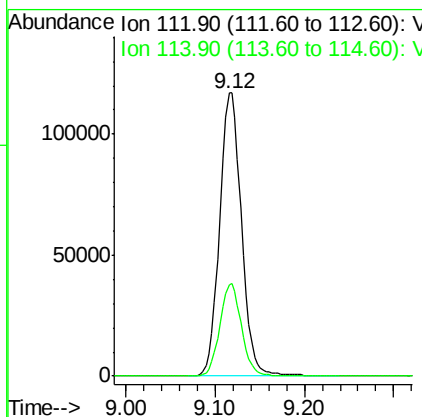
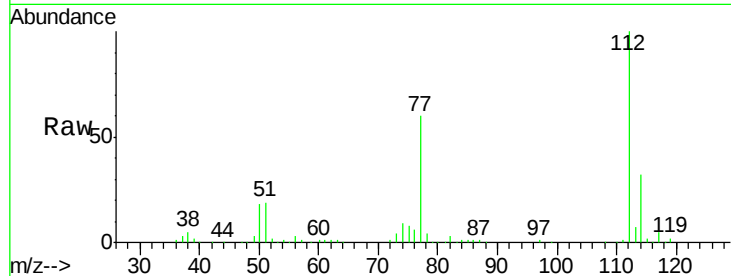
#65
Chlorobenzene
Concen: 49.409 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 199028
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

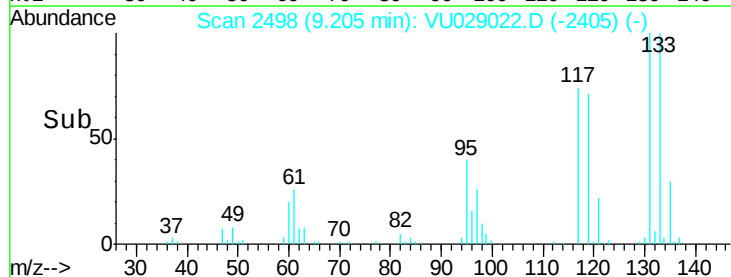
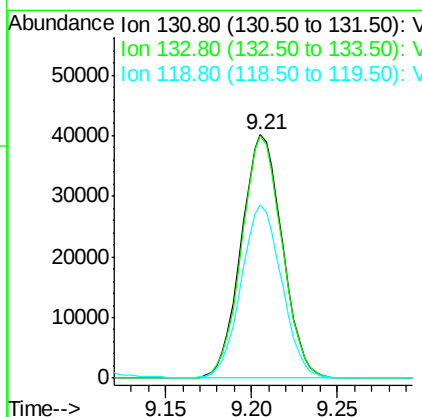
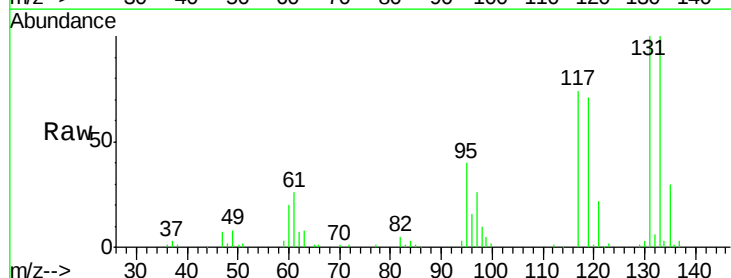
Manual Integrations
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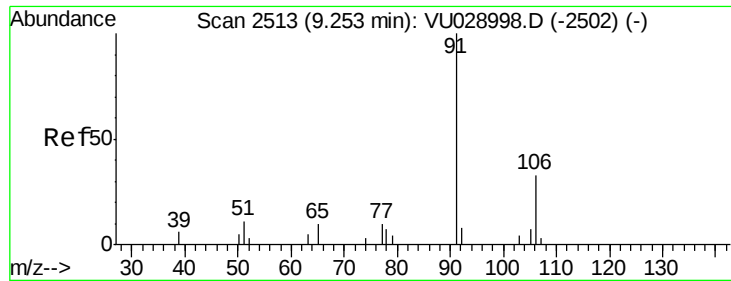
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.840 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion:131 Resp: 66459
Ion Ratio Lower Upper
131 100
133 97.8 48.2 144.6
119 70.3 35.4 106.3





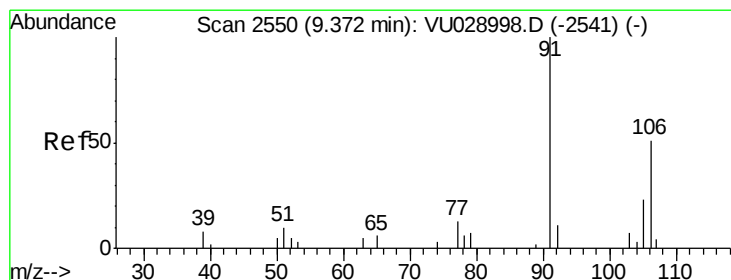
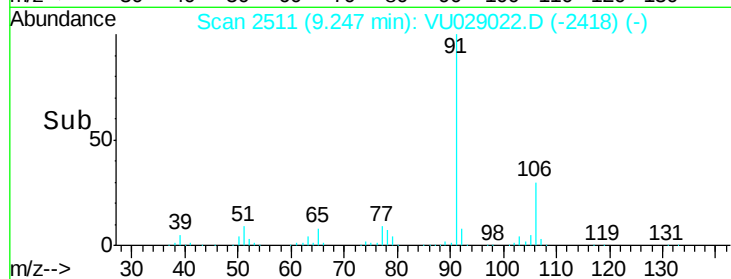
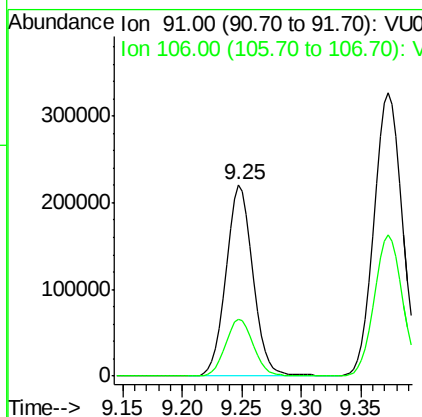
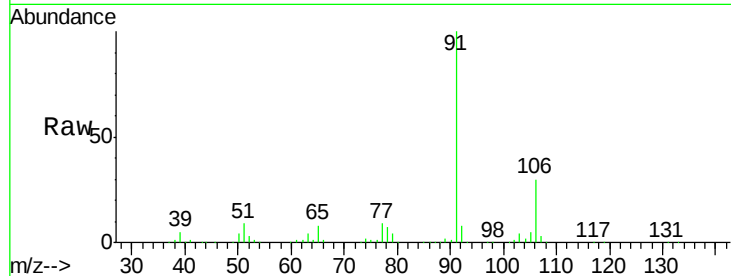
#67
Ethyl Benzene
Concen: 51.654 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 347388
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.4

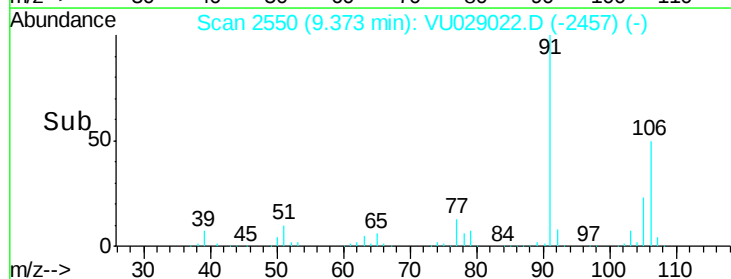
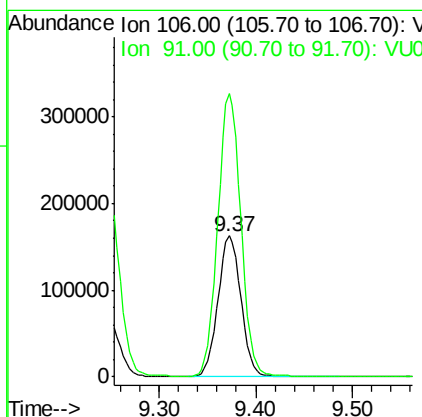
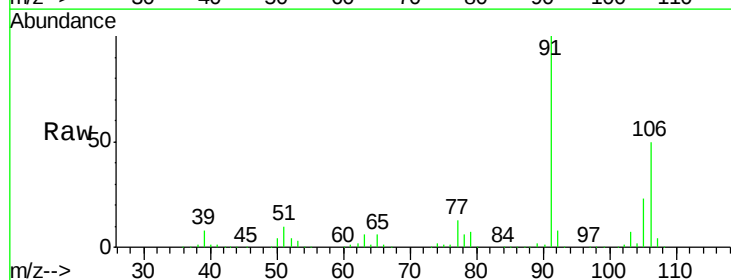
Manual Integrations
APPROVED

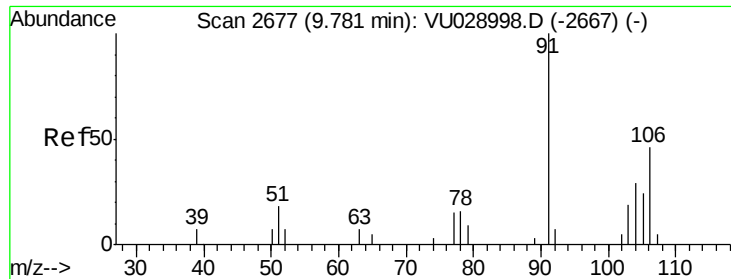
MMDadoda
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#68
m/p-Xylenes
Concen: 103.214 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion: 106 Resp: 269707
Ion Ratio Lower Upper
106 100
91 201.3 161.7 242.5





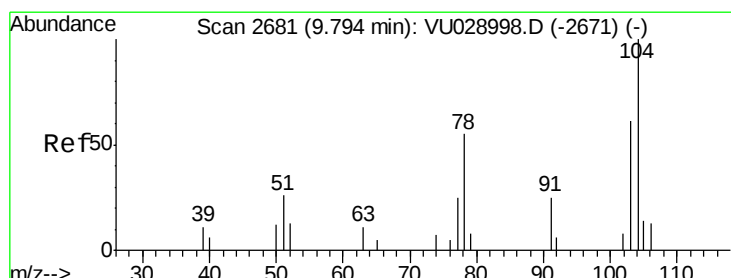
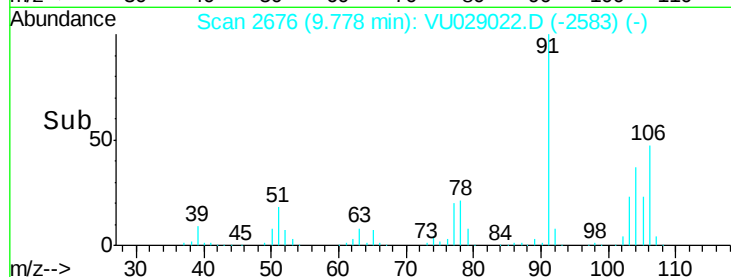
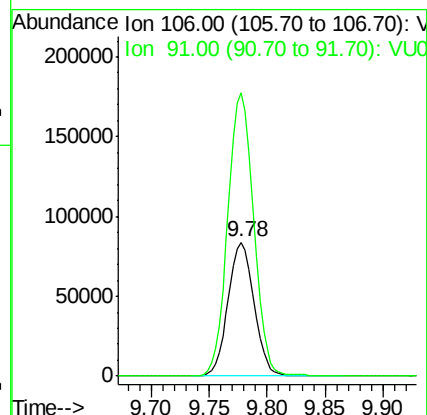
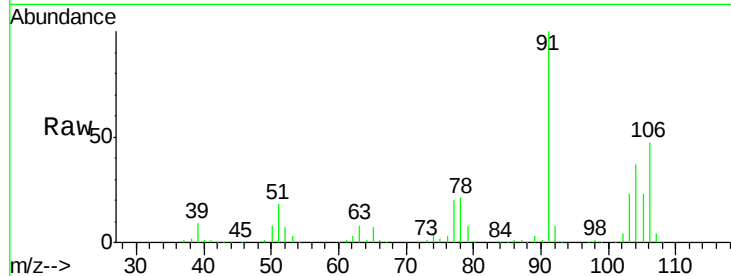
#69
o-Xylene
Concen: 51.725 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 130233
Ion Ratio Lower Upper
106 100
91 211.0 106.1 318.3

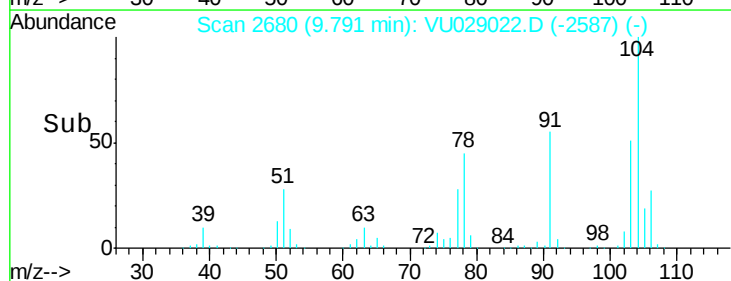
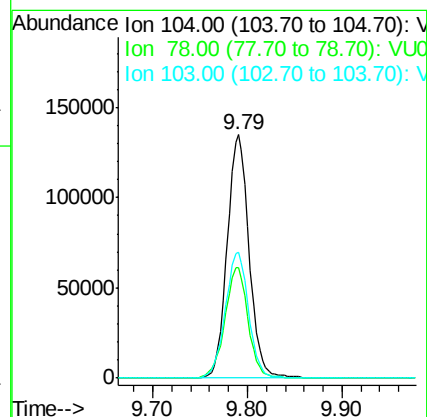
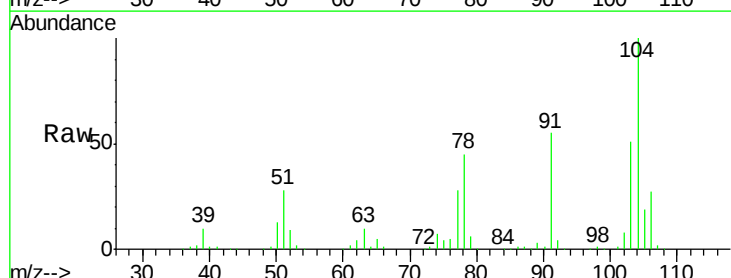
Manual Integrations
APPROVED

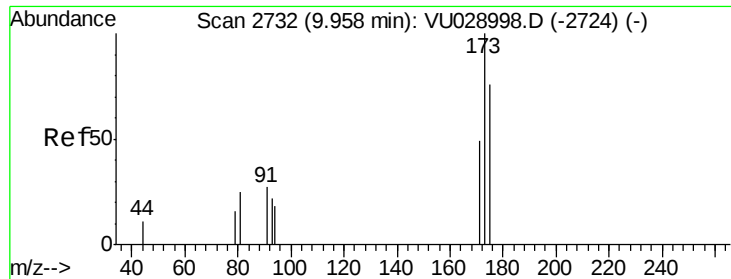
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#70
Styrene
Concen: 52.592 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion:104 Resp: 217074
Ion Ratio Lower Upper
104 100
78 48.1 38.6 58.0
103 55.1 44.5 66.7





#71

Bromoform

Concen: 49.806 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 57972

Ion Ratio Lower Upper

173 100

175 49.6 23.8 71.2

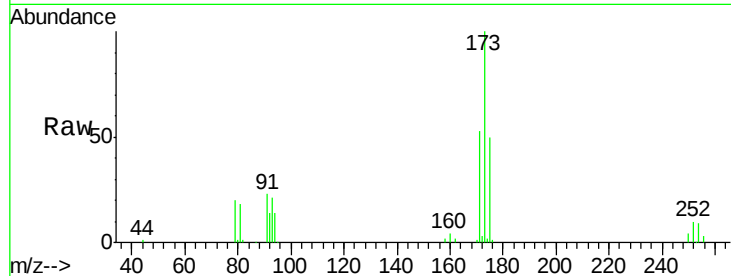
254 0.0 0.0 0.0

Manual Integrations

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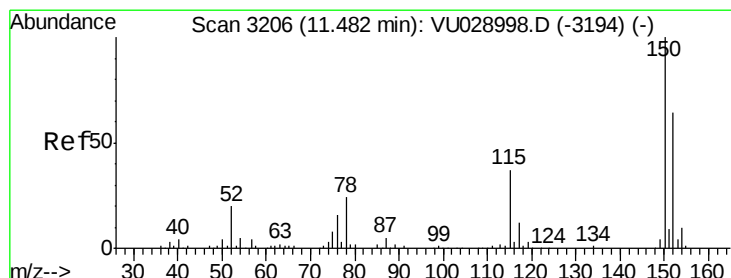
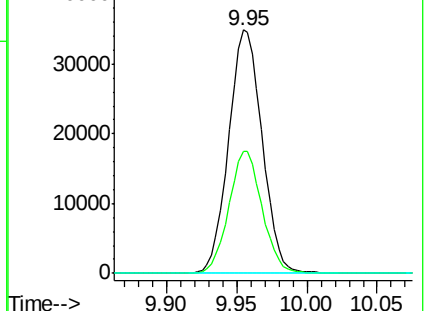
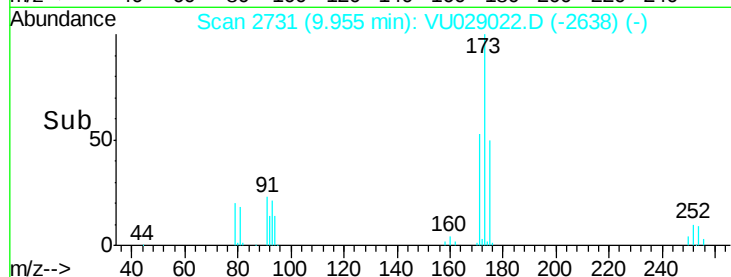
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

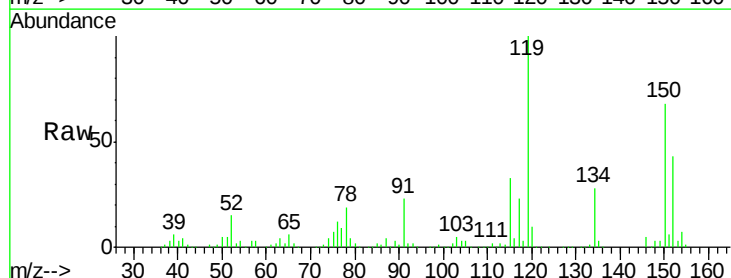
Tgt Ion:152 Resp: 92259

Ion Ratio Lower Upper

152 100

115 81.6 40.1 120.3

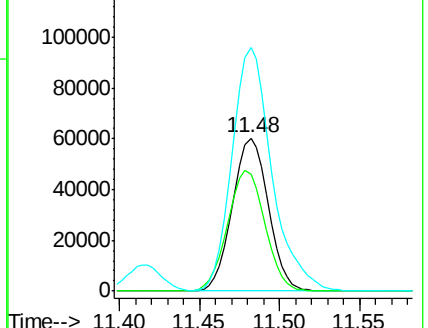
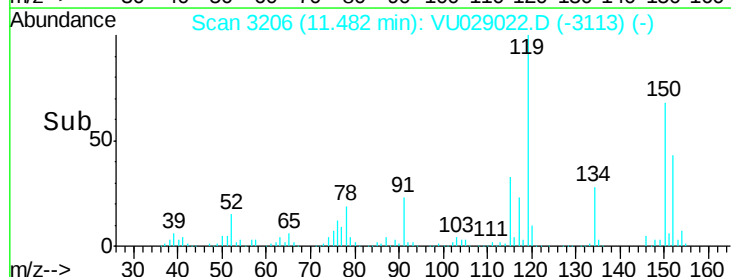
150 175.9 0.0 345.2

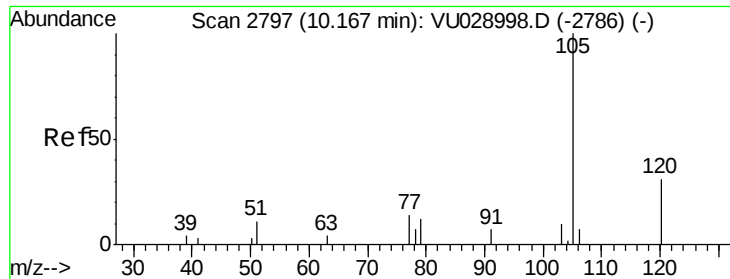


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.312 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 336743

Ion Ratio Lower Upper

105 100

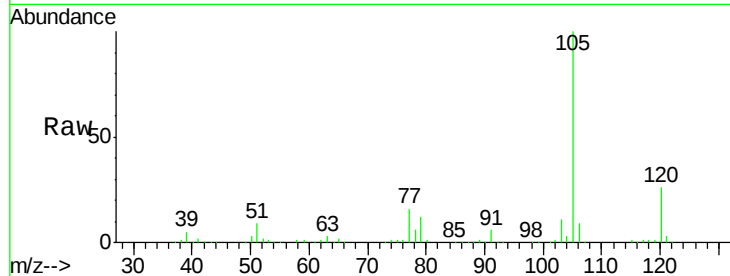
120 26.2 13.2 39.5

Manual Integrations

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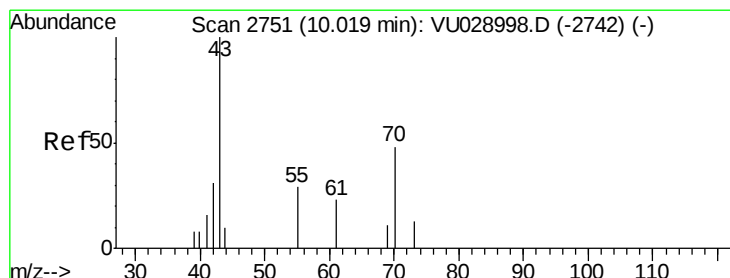
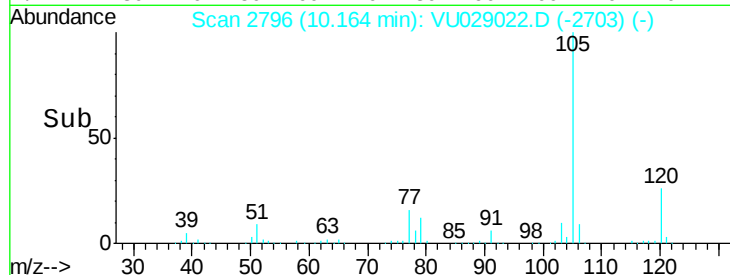
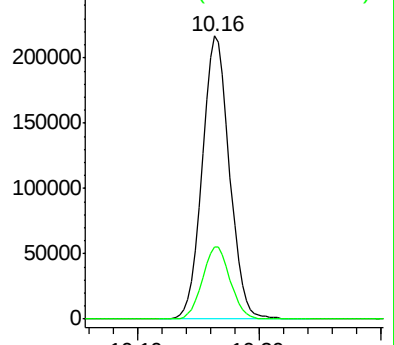
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.712 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Tgt Ion: 43 Resp: 149227

Ion Ratio Lower Upper

43 100

70 44.3 36.3 54.5

55 25.5 20.5 30.7

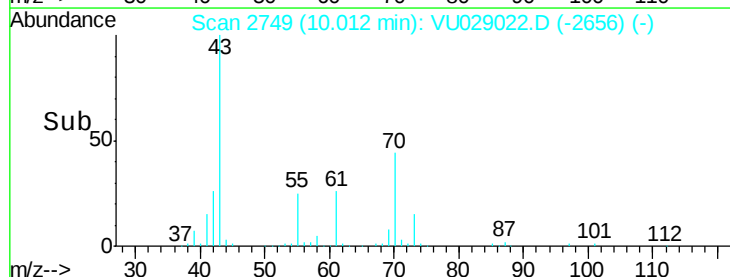
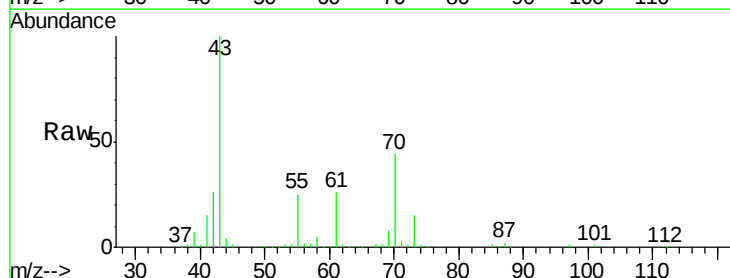
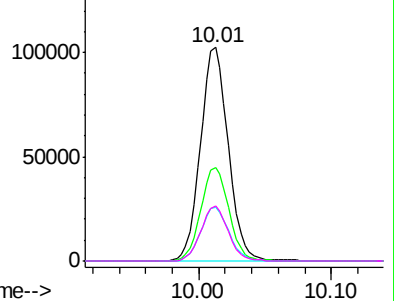
61 25.1 21.8 32.8

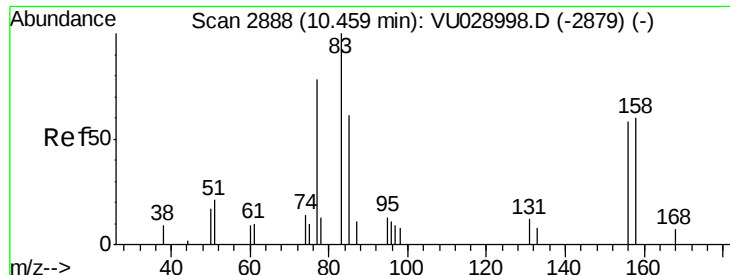
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.420 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 129782

Ion Ratio Lower Upper

83 100

131 8.9 4.7 14.1

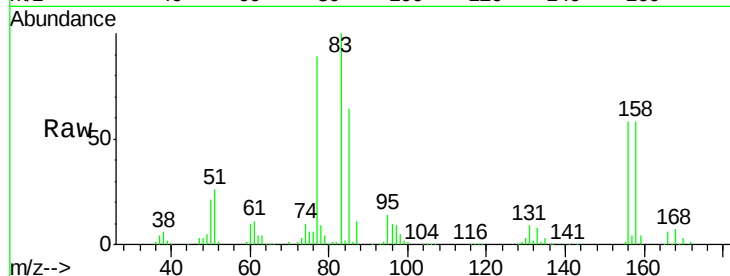
85 64.7 32.0 96.2

Manual Integrations

APPROVED

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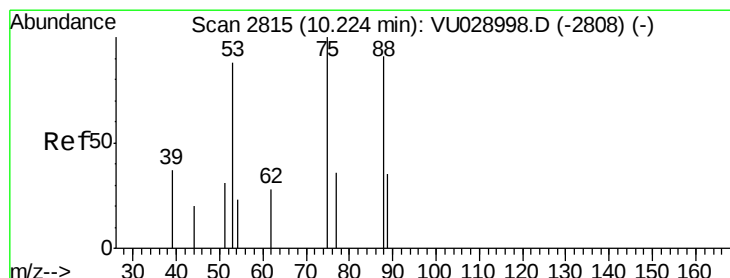
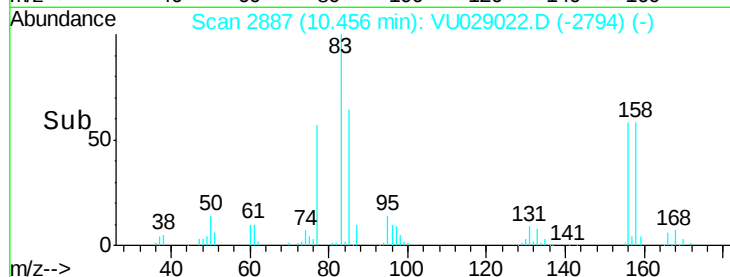
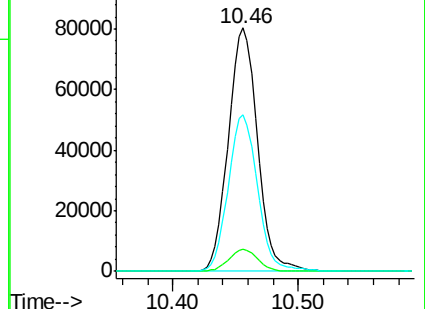
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Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)



#76

1,2,3-Trichloropropane

Concen: 49.092 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029022.D

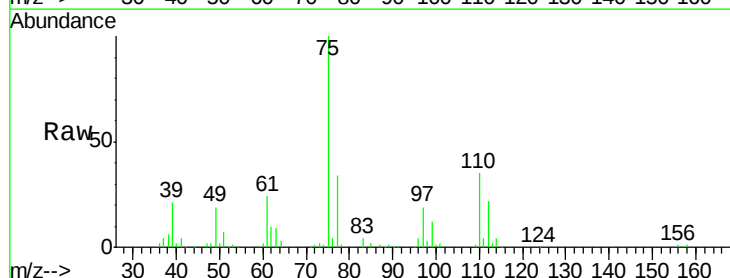
Acq: 04 Jan 2019 12:53

Tgt Ion: 75 Resp: 110973

Ion Ratio Lower Upper

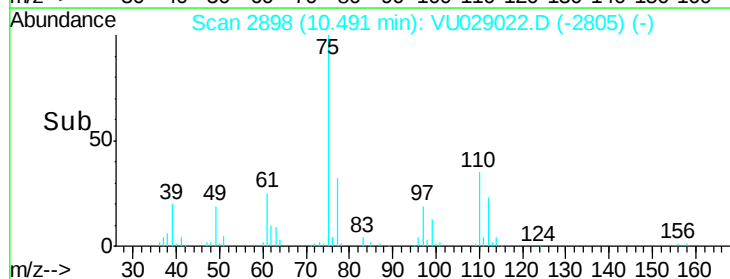
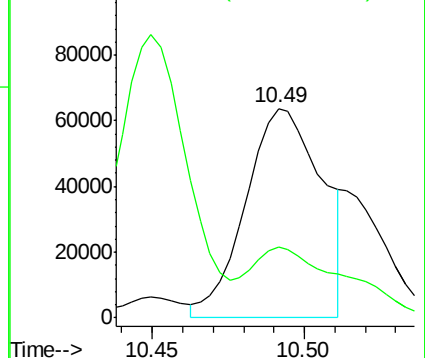
75 100

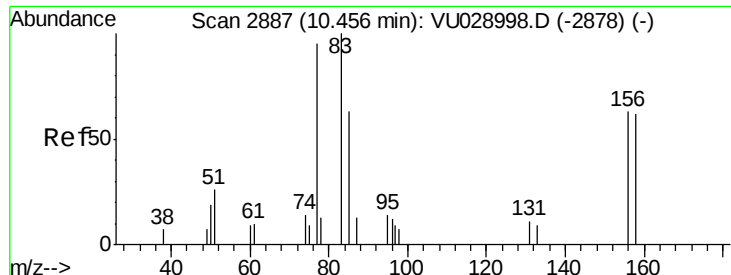
77 41.5 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2808) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-2808) (-)





#77

Bromobenzene

Concen: 48.157 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 85699

Ion Ratio Lower Upper

156 100

77 160.6 79.0 237.2

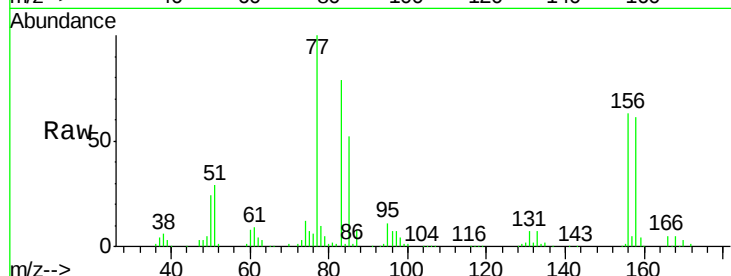
158 98.1 48.9 146.6

Manual Integrations

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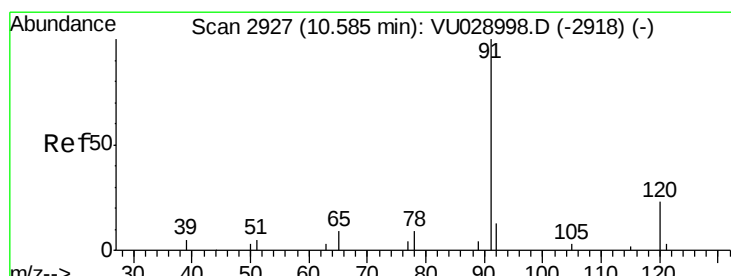
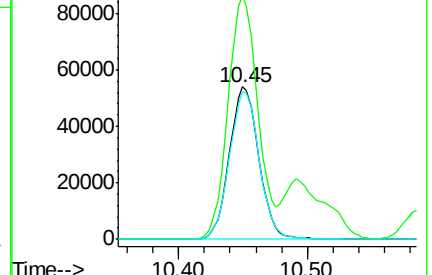
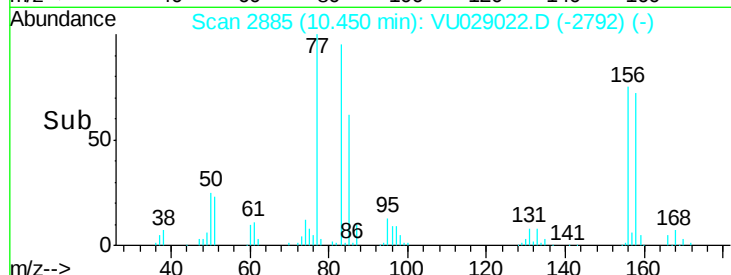
1/7/2019 12:48:51 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.098 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029022.D

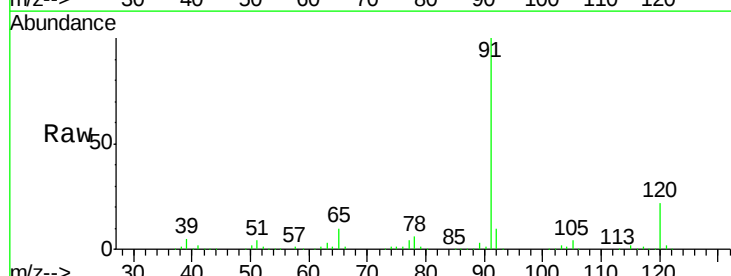
Acq: 04 Jan 2019 12:53

Tgt Ion: 91 Resp: 411214

Ion Ratio Lower Upper

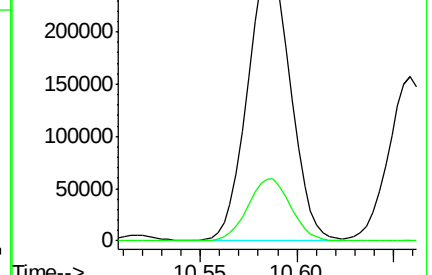
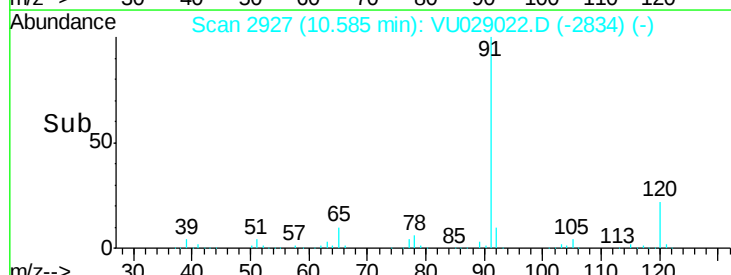
91 100

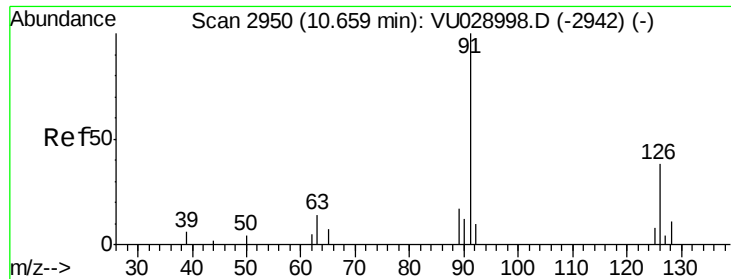
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





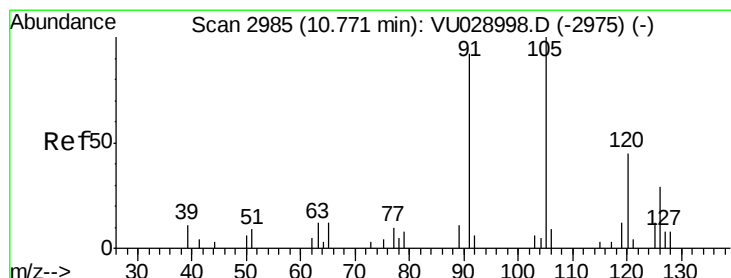
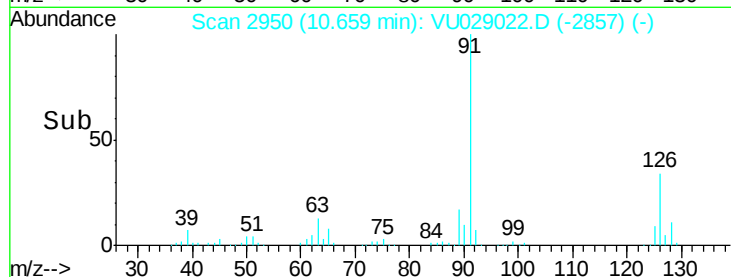
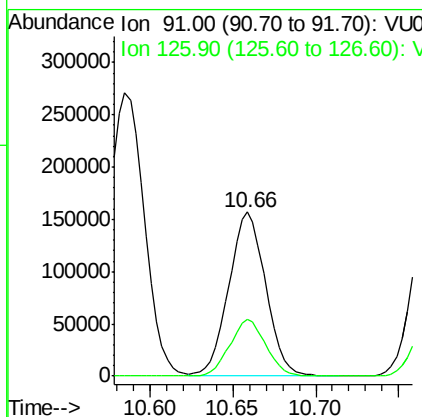
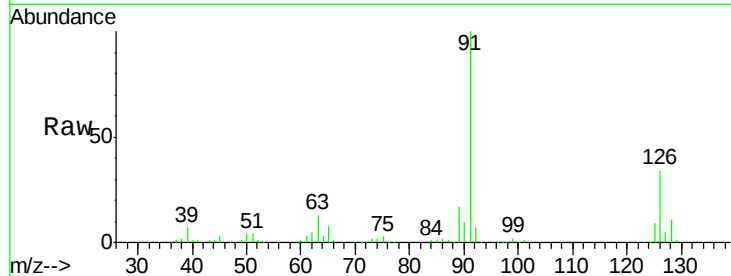
#79
 2-Chlorotoluene
 Concen: 49.421 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 241262
 Ion Ratio Lower Upper
 91 100
 126 34.2 16.8 50.4

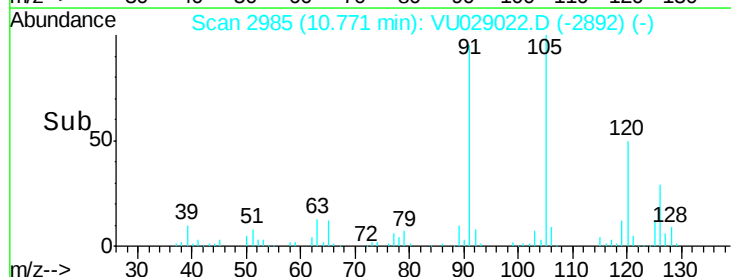
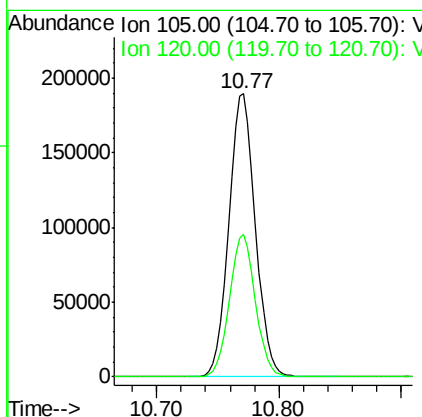
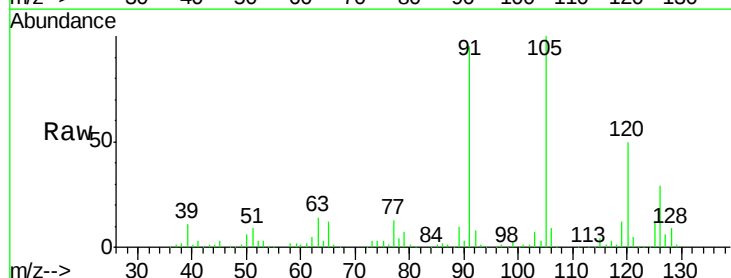
Manual Integrations
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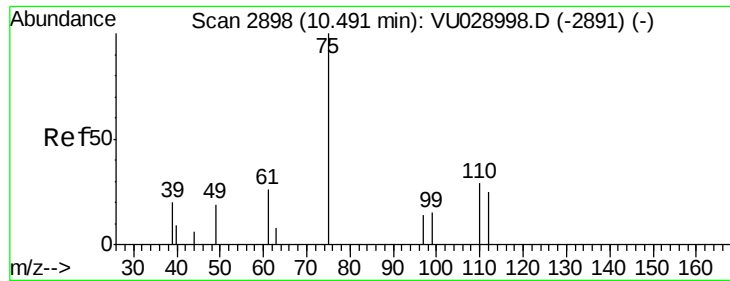
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.390 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Tgt Ion: 105 Resp: 287355
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 43.938 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

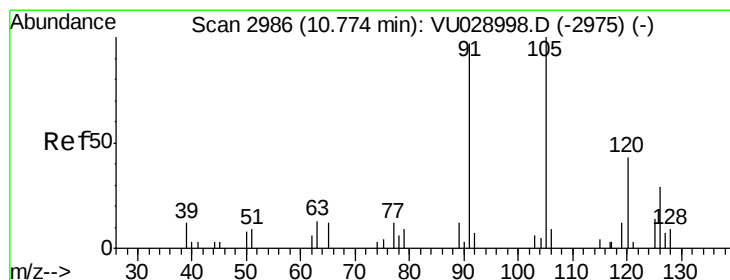
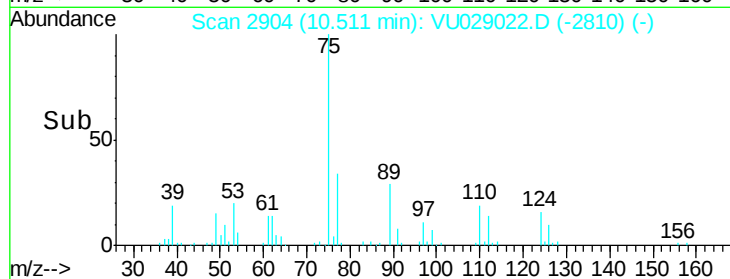
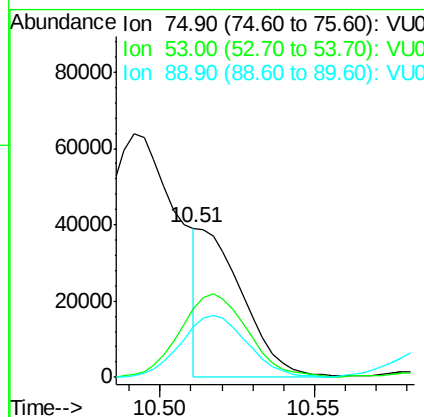
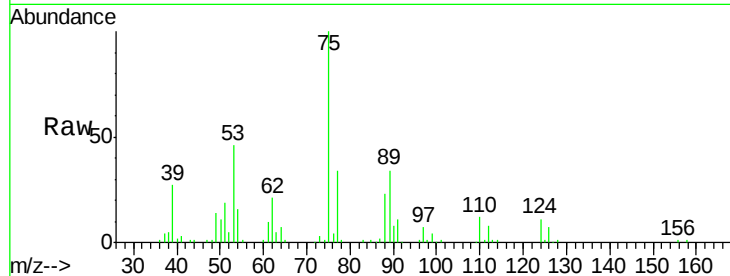
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	38511
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 49.634 ug/l

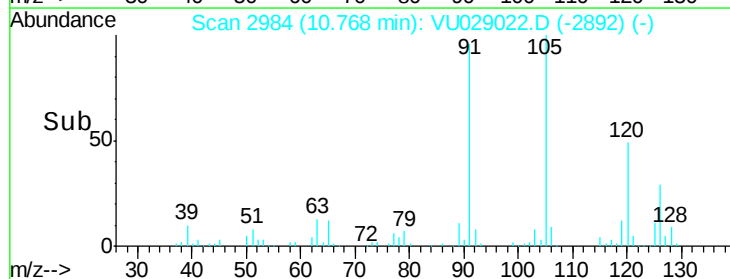
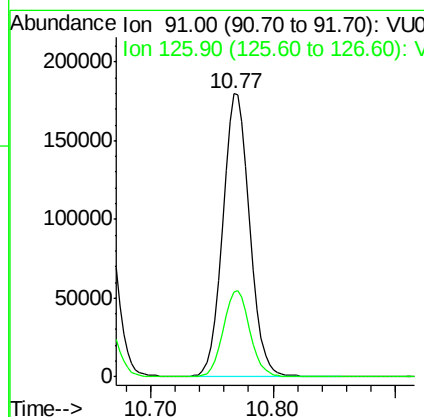
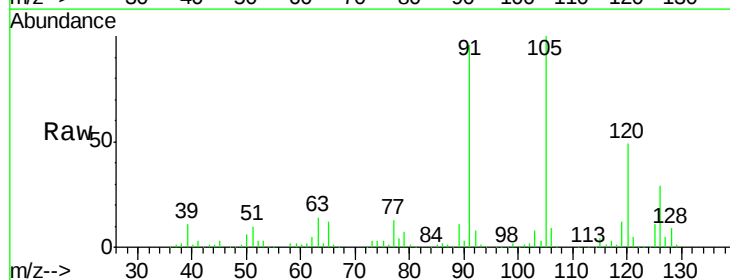
RT: 10.77 min Scan# 2984

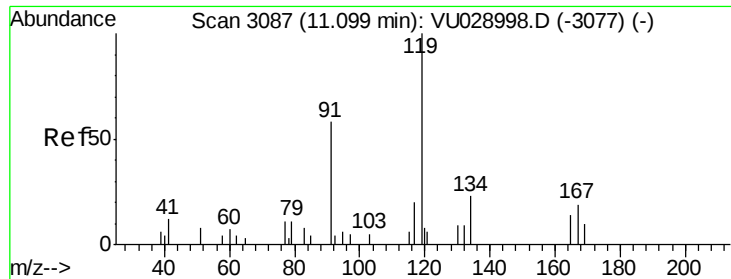
Delta R.T. -0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Tgt Ion:	91	Resp:	277838
Ion Ratio	Lower	Upper	
91	100		
126	30.4	15.5	46.5





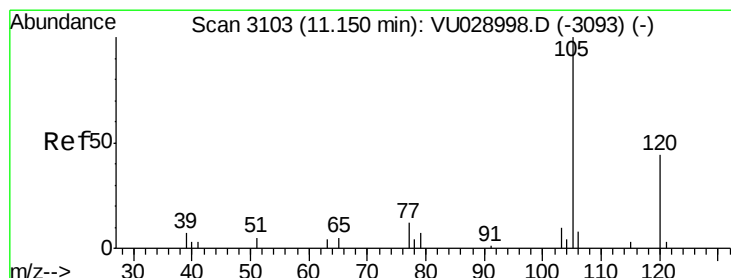
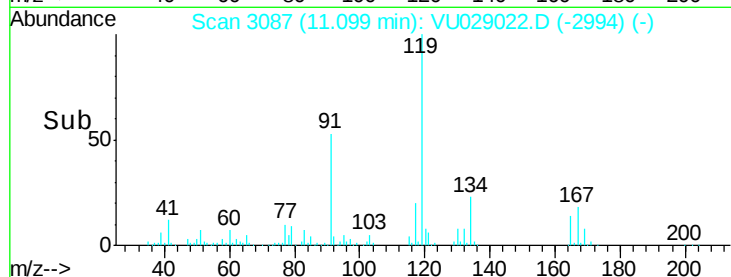
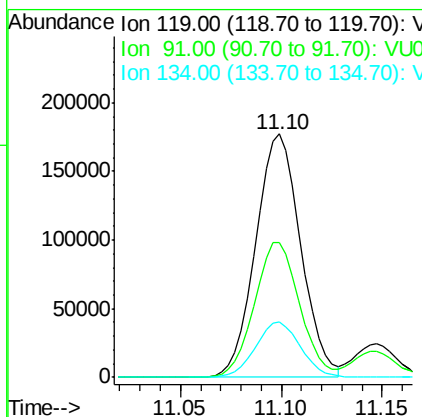
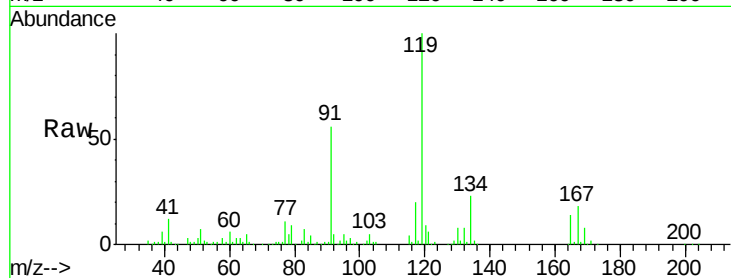
#83
tert-Butylbenzene
Concen: 49.132 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	276151		
91	55.9	28.2	84.6	
134	22.6	11.3	33.8	

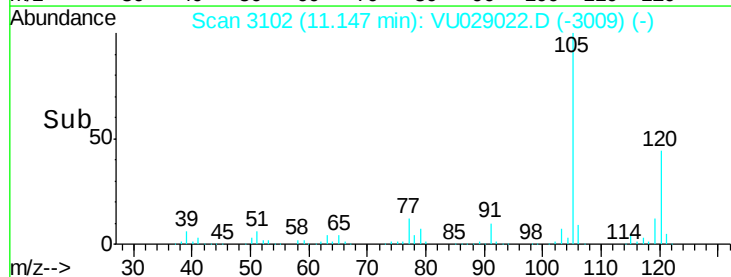
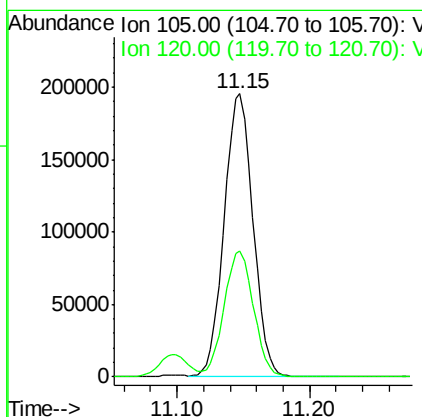
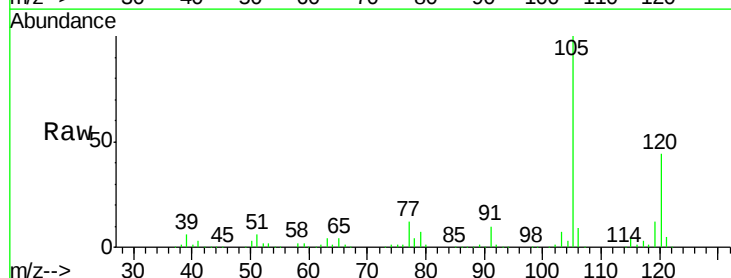
Manual Integrations
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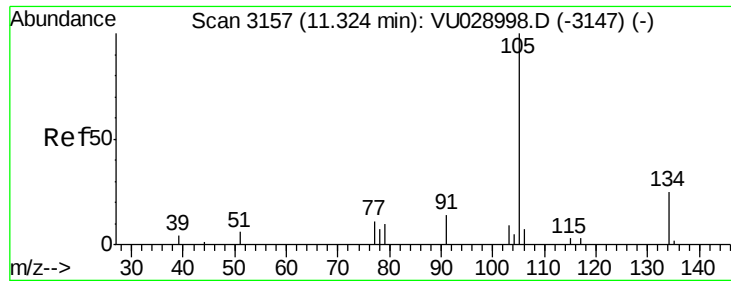
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.848 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	295193		
120	45.4	23.1	69.3	





#85

sec-Butylbenzene

Concen: 50.787 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 345230

Ion Ratio Lower Upper

105 100

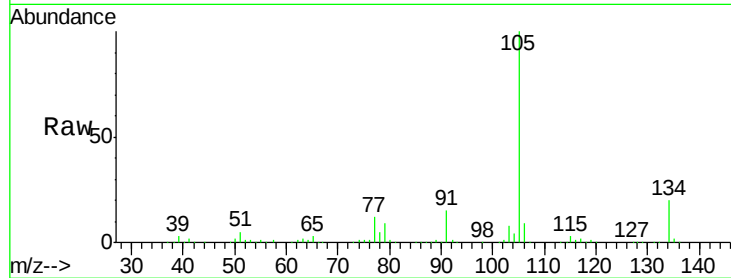
134 19.7 9.7 29.1

Manual Integrations

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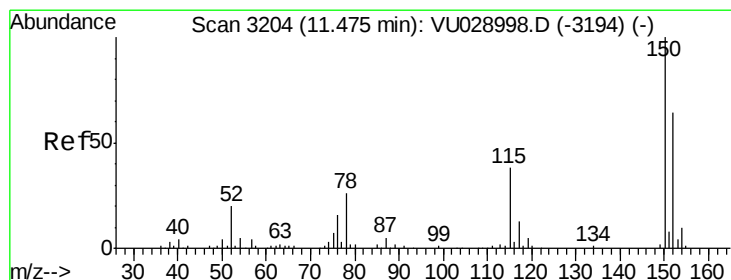
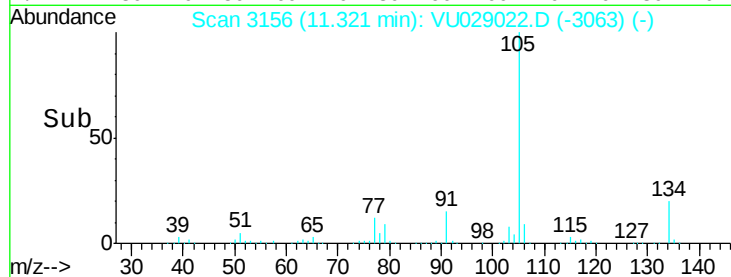
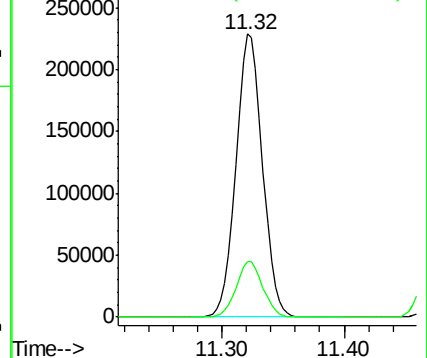
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.089 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029022.D

Acq: 04 Jan 2019 12:53

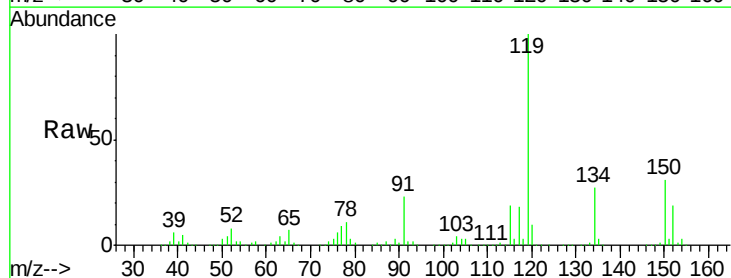
Tgt Ion:119 Resp: 295925

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

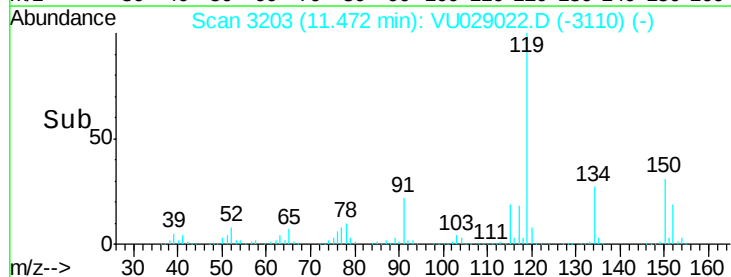
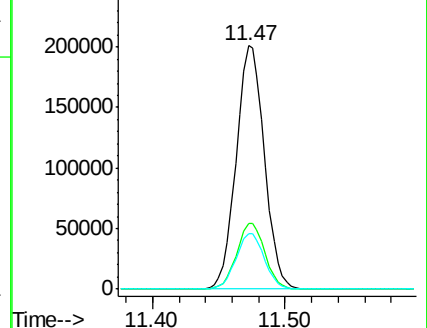
91 22.9 11.3 33.8

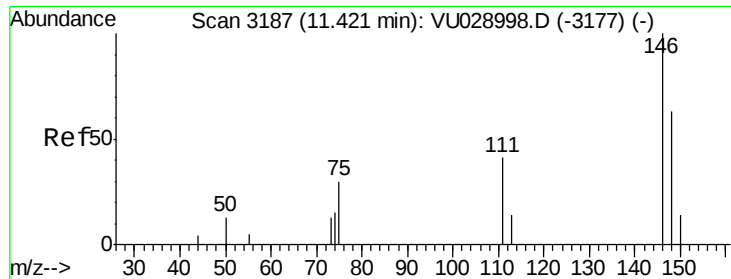


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





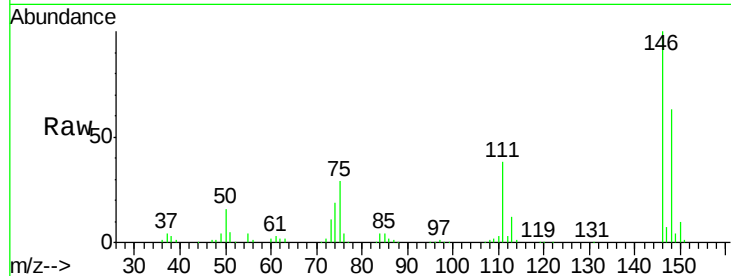
#87
 1,3-Dichlorobenzene
 Concen: 48.847 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

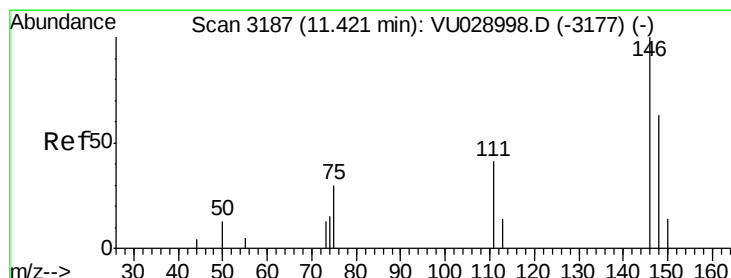
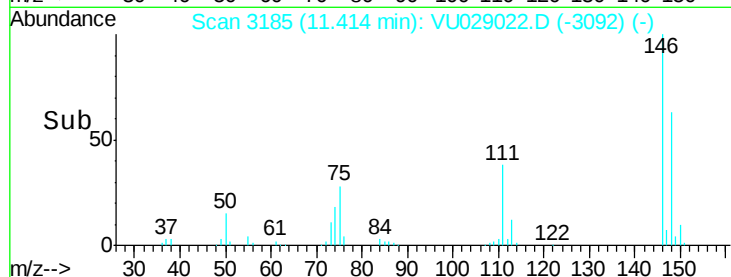
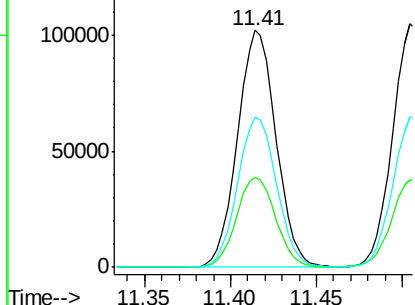
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	64.2	32.5	97.5

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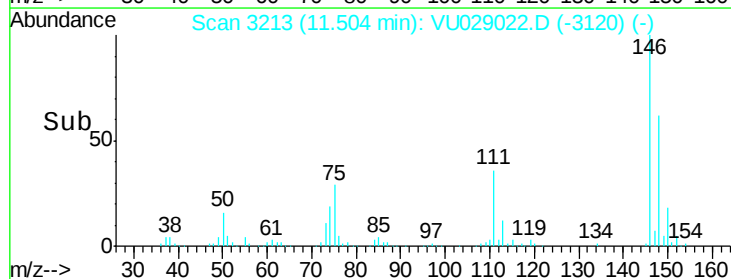
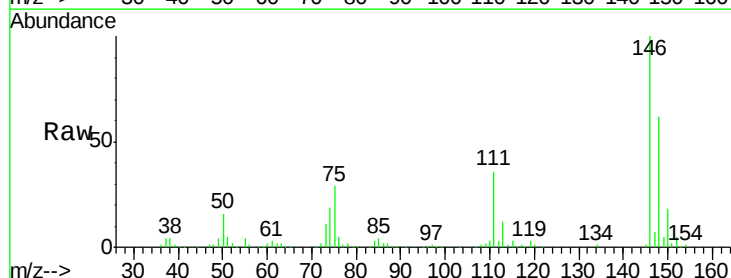
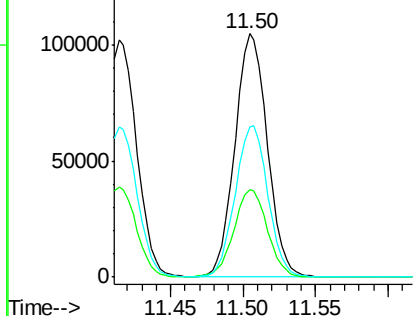
Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

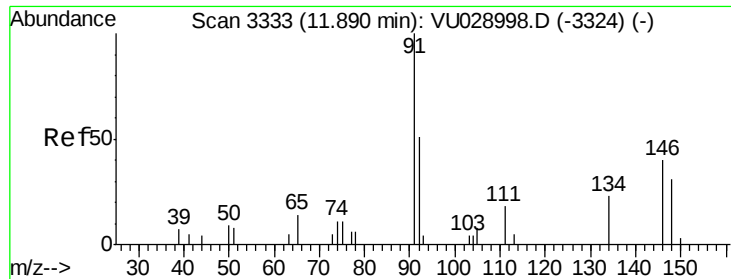


#88
 1,4-Dichlorobenzene
 Concen: 48.181 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.3
148	63.2	32.6	98.0

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





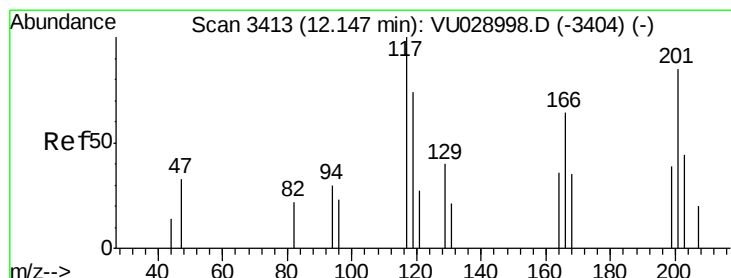
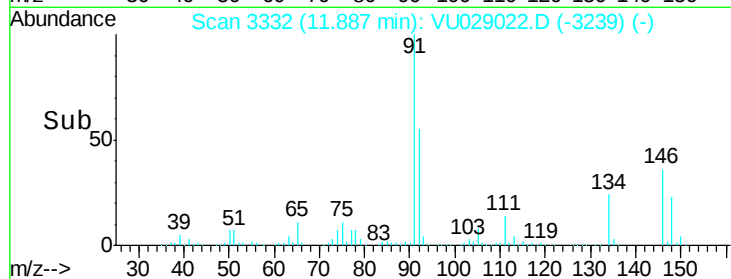
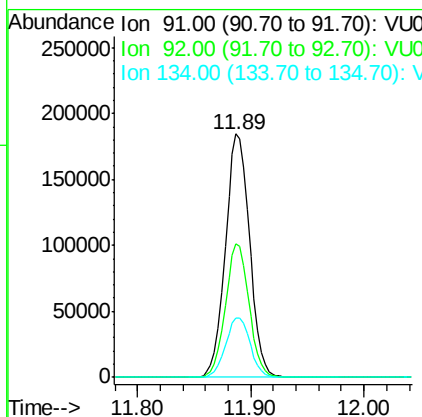
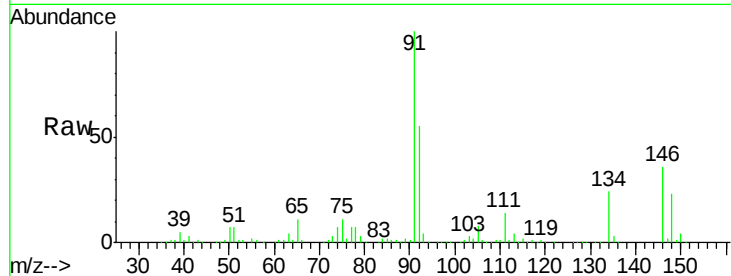
#89
n-Butylbenzene
Concen: 53.039 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.2	78.5
134	24.9	12.6	37.6

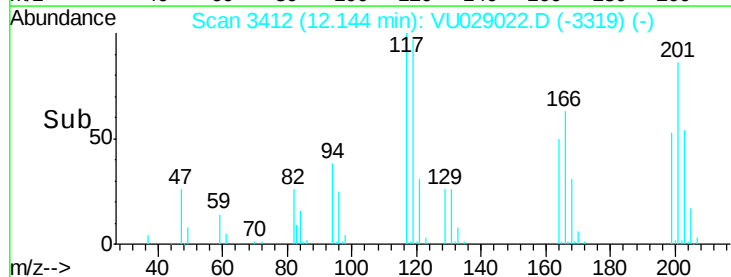
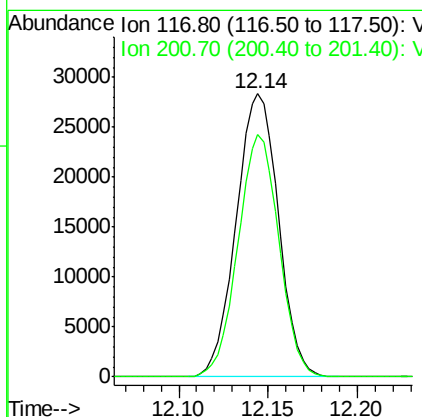
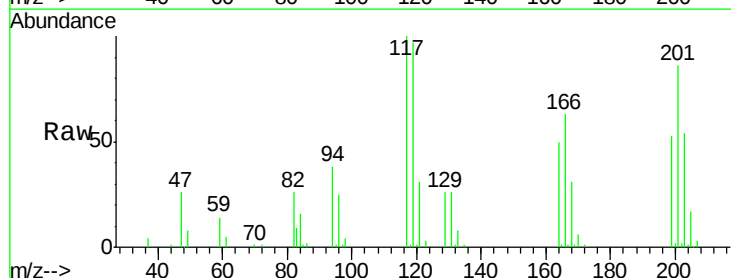
Manual Integrations
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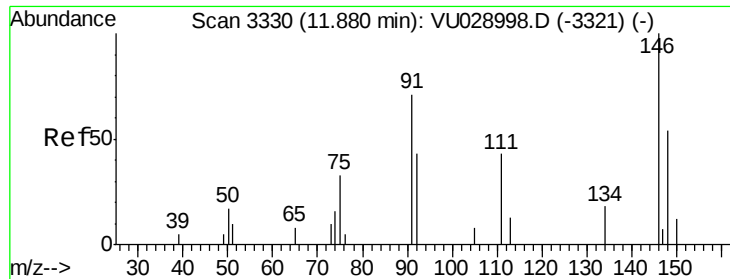
MMDadoda
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#90
Hexachloroethane
Concen: 47.913 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	42.4	127.3





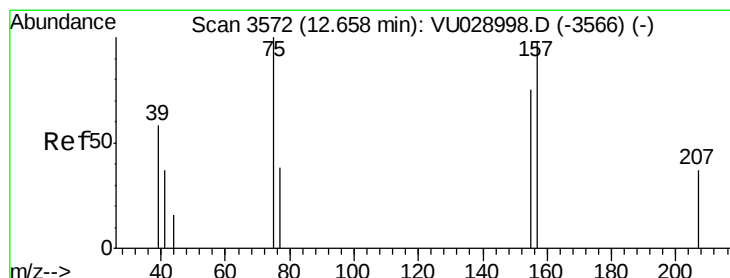
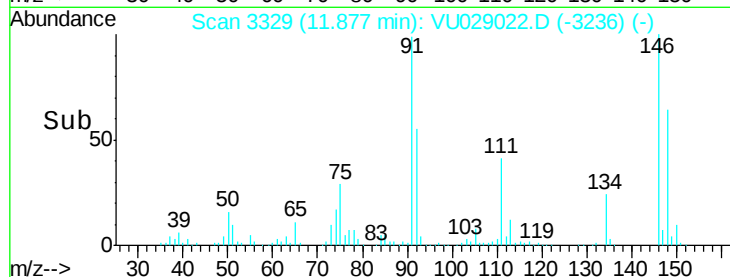
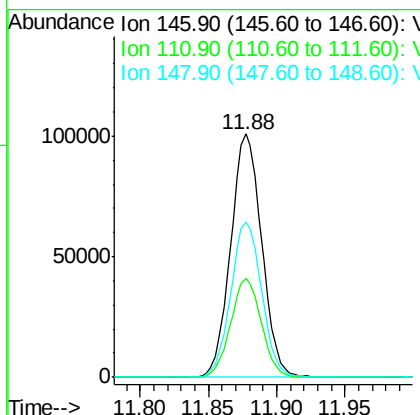
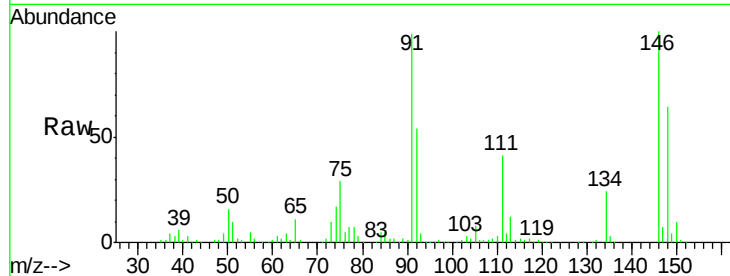
#91
 1,2-Dichlorobenzene
 Concen: 48.432 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	63.9	31.6	94.8

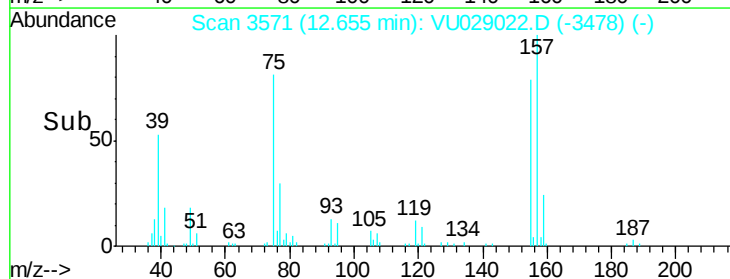
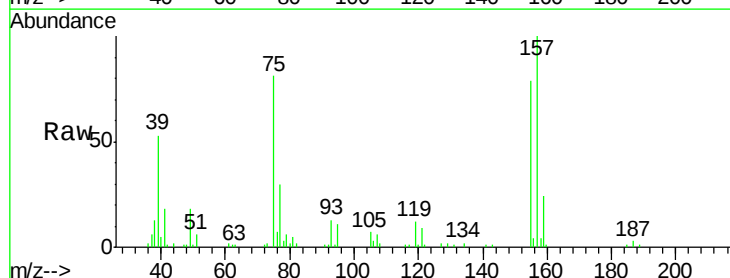
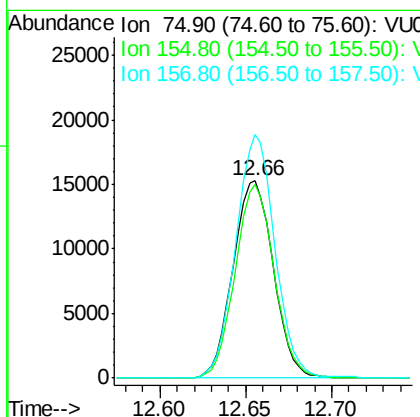
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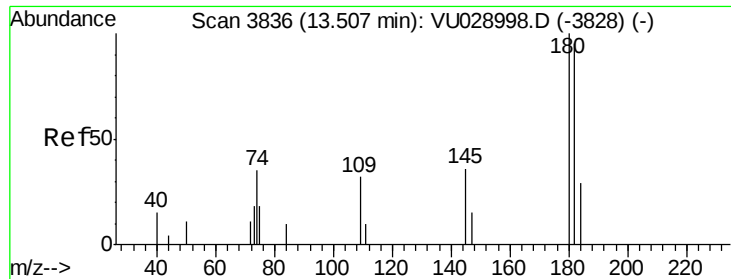
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.331 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	46.3	138.8
157	119.9	57.4	172.0





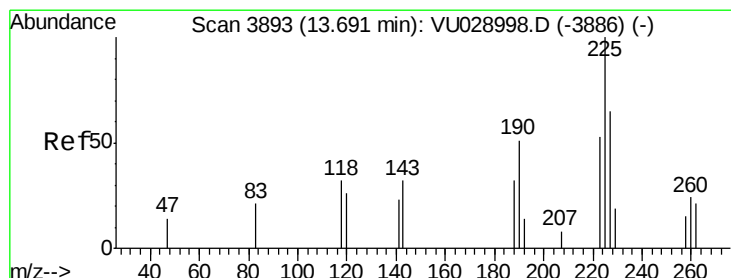
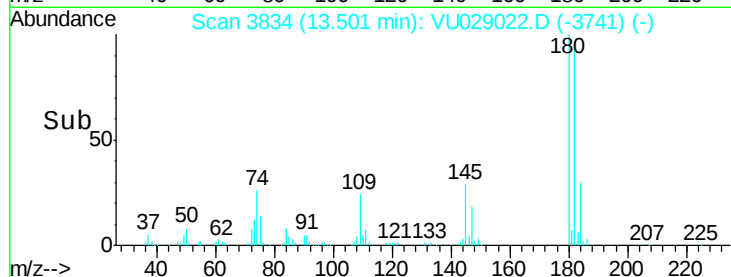
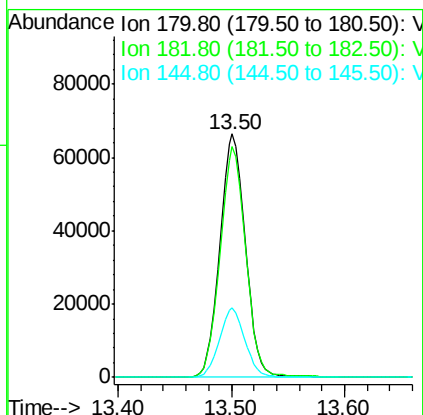
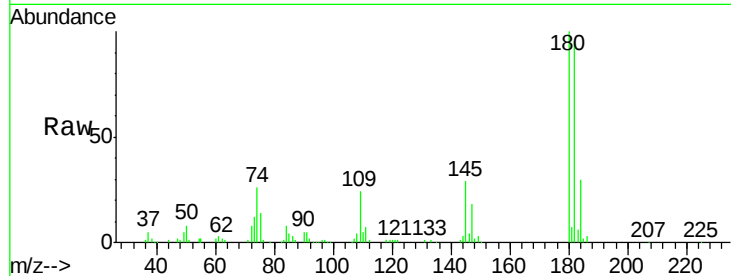
#93
 1,2,4-Trichlorobenzene
 Concen: 49.799 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	28.4	14.0	42.0

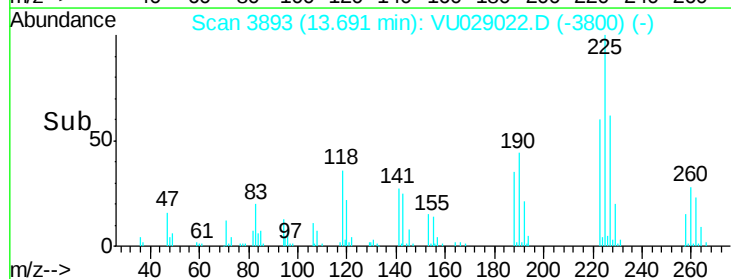
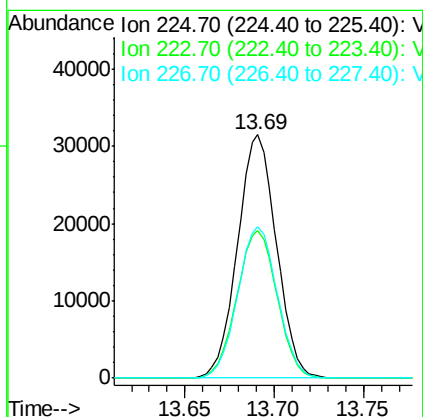
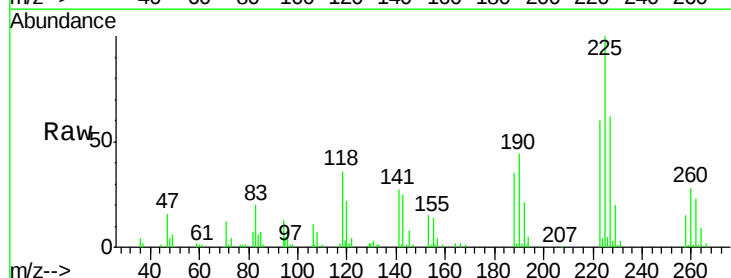
Manual Integrations
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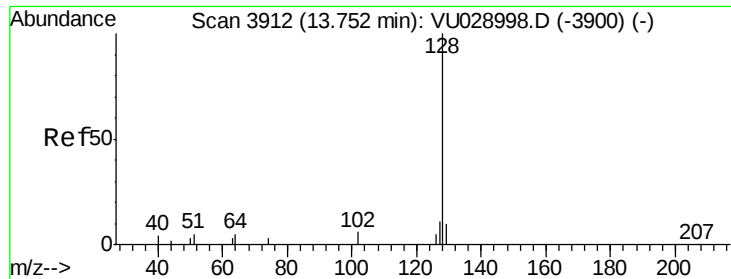
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#94
 Hexachlorobutadiene
 Concen: 50.035 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029022.D
 Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.4	94.0
227	63.2	31.9	95.5





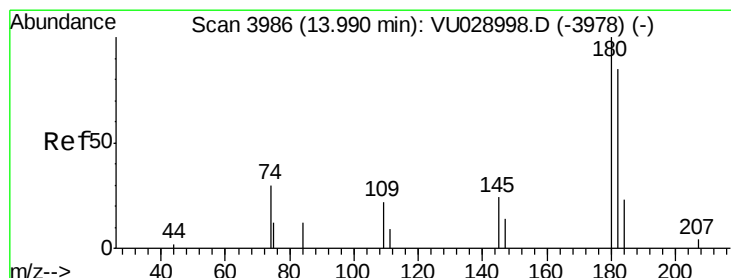
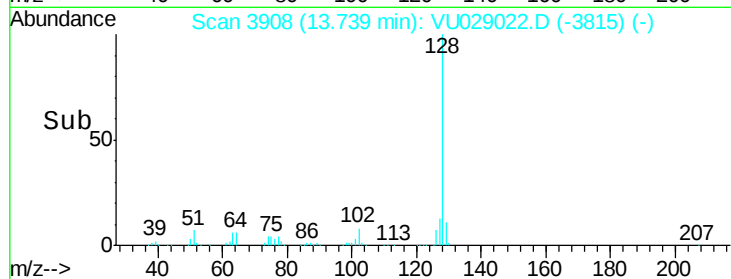
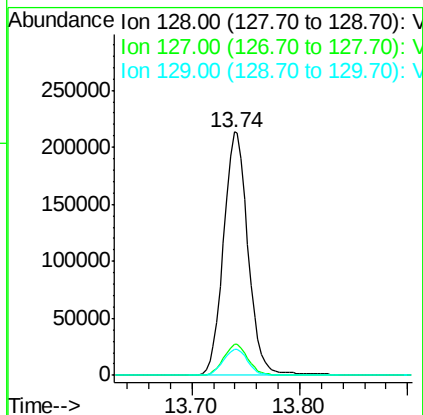
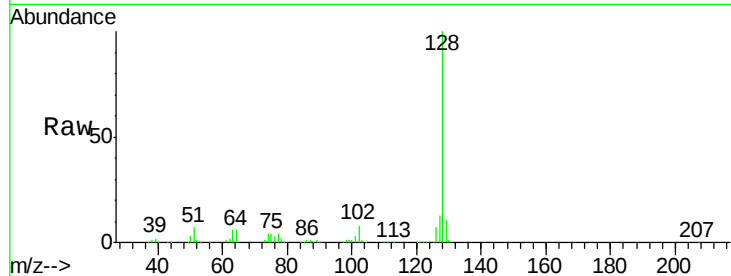
#95
Naphthalene
Concen: 47.483 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.453 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029022.D
Acq: 04 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.3
145	29.8	14.8	44.4

