

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028588.D
 Acq On : 11 Dec 2018 06:53
 Operator : MD/SY
 Sample : VU1211WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:12 PM

Quant Time: Dec 11 08:27:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	80391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	143084	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	132749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	70111	57.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.30%	
35) Dibromofluoromethane	4.88	113	49622	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
50) Toluene-d8	7.57	98	192898	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
62) 4-Bromofluorobenzene	10.30	95	69203	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22750	21.113	ug/l	99
3) Chloromethane	1.33	50	41304	20.850	ug/l	100
4) Vinyl Chloride	1.41	62	29899	20.914	ug/l	99
5) Bromomethane	1.62	94	12823	22.267	ug/l	99
6) Chloroethane	1.69	64	16833	20.798	ug/l	98
7) Trichlorofluoromethane	1.88	101	31586	21.000	ug/l	100
8) Diethyl Ether	2.10	74	13898	19.749	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	18398	20.452	ug/l	96
10) Methyl Iodide	2.41	142	17151	24.298	ug/l	98
11) Tert butyl alcohol	2.83	59	31723	116.061	ug/l	99
12) 1,1-Dichloroethene	2.28	96	17991	20.100	ug/l	97
13) Acrolein	2.20	56	21666	99.433	ug/l	97
14) Allyl chloride	2.59	41	43595	20.589	ug/l	99
15) Acrylonitrile	2.94	53	86818	114.407	ug/l	99
16) Acetone	2.32	43	70749	88.375	ug/l	97
17) Carbon Disulfide	2.48	76	65008	20.161	ug/l	98
18) Methyl Acetate	2.62	43	49270	23.742	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	72043	21.232	ug/l	98
20) Methylene Chloride	2.70	84	23886	20.240	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	20578	20.420	ug/l	99
22) Diisopropyl ether	3.57	45	93354	22.672	ug/l	96
23) Vinyl Acetate	3.53	43	370763	109.163	ug/l	100
24) 1,1-Dichloroethane	3.45	63	45647	21.178	ug/l	99
25) 2-Butanone	4.26	43	118459	108.277	ug/l	98
26) 2,2-Dichloropropane	4.23	77	26904	15.753	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	24014	21.053	ug/l	97
28) Bromochloromethane	4.55	49	23417	23.898	ug/l	97
29) Tetrahydrofuran	4.64	42	84065	119.643	ug/l	97
30) Chloroform	4.67	83	41403	22.039	ug/l	97
31) Cyclohexane	4.99	56	46266	21.309	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	33167	21.258	ug/l	98
36) 1,1-Dichloropropene	5.14	75	30774	19.655	ug/l	99
37) Ethyl Acetate	4.38	43	46531	22.989	ug/l	97
38) Carbon Tetrachloride	5.14	117	25822	20.461	ug/l	96

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Quant Time: Dec 11 08:27:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	35596	18.635	ug/l	93
40) Benzene	5.39	78	97224	21.083	ug/l	97
41) Methacrylonitrile	4.54	41	25078	22.624	ug/l	98
42) 1,2-Dichloroethane	5.40	62	35022	21.696	ug/l	96
43) Isopropyl Acetate	5.55	43	69729	21.781	ug/l	99
44) Trichloroethene	6.19	130	20574	20.065	ug/l	99
45) 1,2-Dichloropropane	6.43	63	28005	21.596	ug/l	97
46) Dibromomethane	6.56	93	16054	20.865	ug/l	98
47) Bromodichloromethane	6.76	83	31203	20.840	ug/l	97
48) Methyl methacrylate	6.62	41	35168	22.089	ug/l	99
49) 1,4-Dioxane	6.61	88	12033	478.668	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	228957	113.391	ug/l	97
52) Toluene	7.64	92	56026	20.644	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	34456	19.323	ug/l	94
54) cis-1,3-Dichloropropene	7.27	75	38277	19.785	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	22543	21.013	ug/l	95
56) Ethyl methacrylate	8.02	69	38067	20.721	ug/l	96
57) 1,3-Dichloropropane	8.24	76	41855	21.017	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	86834	92.280	ug/l	100
59) 2-Hexanone	8.36	43	173651	108.504	ug/l	99
60) Dibromochloromethane	8.48	129	21235	20.217	ug/l	100
61) 1,2-Dibromoethane	8.58	107	23599	20.977	ug/l	98
64) Tetrachloroethene	8.22	164	18539	20.937	ug/l	96
65) Chlorobenzene	9.12	112	57258	20.241	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	19236	21.295	ug/l	99
67) Ethyl Benzene	9.25	91	102866	19.781	ug/l	98
68) m/p-Xylenes	9.37	106	77074	40.733	ug/l	99
69) o-Xylene	9.78	106	37617	20.457	ug/l	100
70) Styrene	9.79	104	61609	20.245	ug/l	100
71) Bromoform	9.96	173	16122	20.980	ug/l #	98
73) Isopropylbenzene	10.16	105	97895	20.469	ug/l	100
74) N-amyl acetate	10.01	43	59148	21.440	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	41381	22.524	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	36193m	22.741	ug/l	
77) Bromobenzene	10.45	156	23378	20.901	ug/l	99
78) n-propylbenzene	10.58	91	120013	20.195	ug/l	100
79) 2-Chlorotoluene	10.66	91	71243	20.812	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	83103	20.992	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	13435m	21.061	ug/l	
82) 4-Chlorotoluene	10.77	91	80353	19.808	ug/l	99
83) tert-Butylbenzene	11.10	119	77967	20.433	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	84187	20.634	ug/l	99
85) sec-Butylbenzene	11.32	105	98201	20.033	ug/l	99
86) p-Isopropyltoluene	11.48	119	81315	19.527	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	41124	19.471	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	42154	19.291	ug/l	100
89) n-Butylbenzene	11.89	91	76324	18.111	ug/l	99
90) Hexachloroethane	12.14	117	12417	19.728	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	41922	19.843	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8928	22.446	ug/l	92

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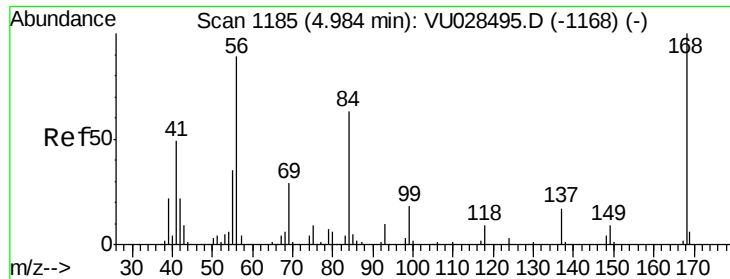
Manual Integrations
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12/11/2018 12:11:12 PM

Quant Time: Dec 11 08:27:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	24829	17.658	ug/l	100
94) Hexachlorobutadiene	13.69	225	12439	17.975	ug/l	99
95) Naphthalene	13.74	128	90316	17.815	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	26797	18.639	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion:168 Resp: 80391

Ion Ratio Lower Upper

168 100

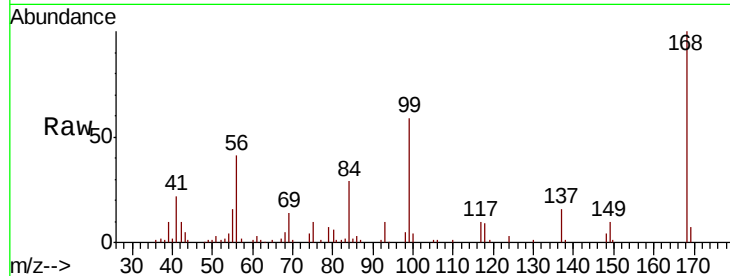
99 58.2 46.6 69.8

Manual Integrations

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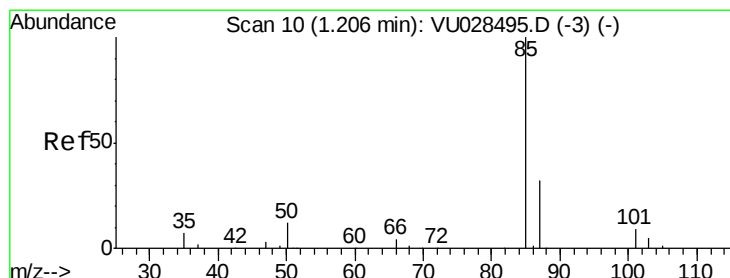
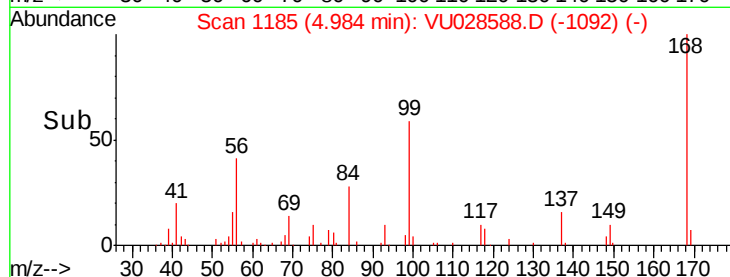
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.113 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028588.D

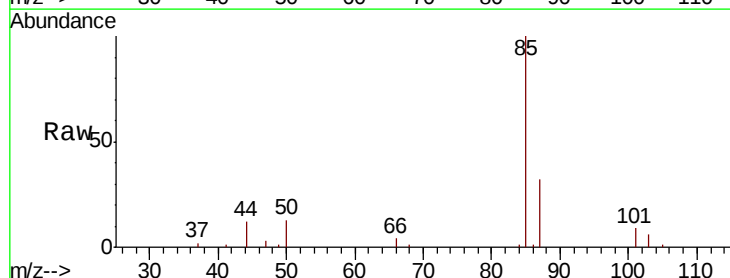
Acq: 11 Dec 2018 06:53

Tgt Ion: 85 Resp: 22750

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



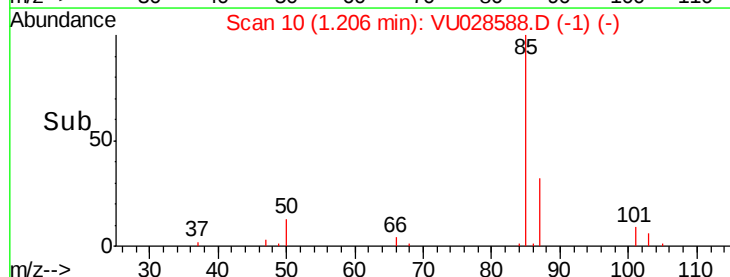
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.850 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion: 50 Resp: 41304

Ion Ratio Lower Upper

50 100

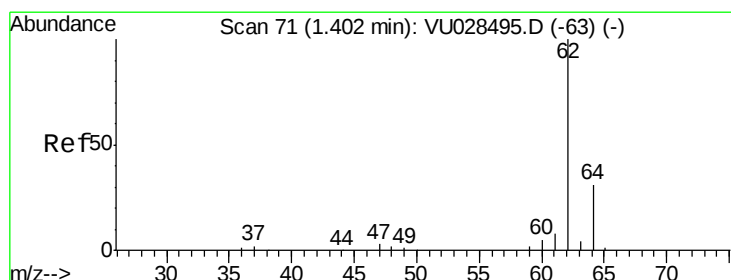
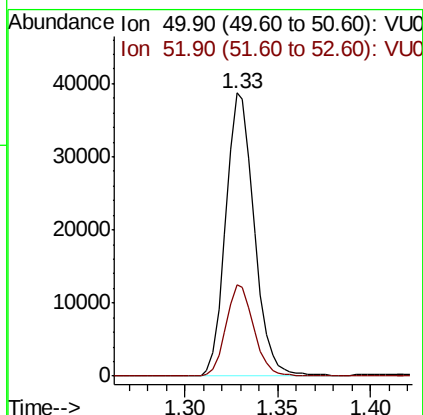
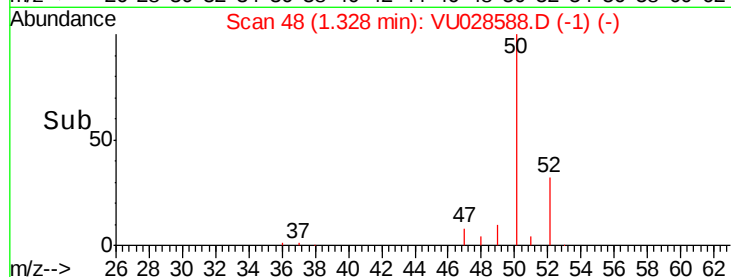
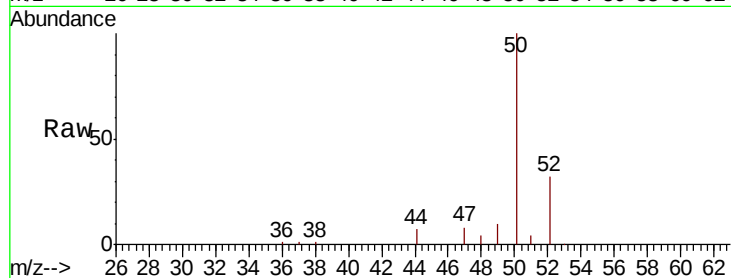
52 32.1 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.914 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028588.D

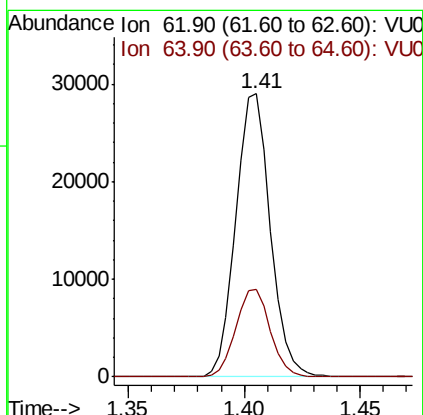
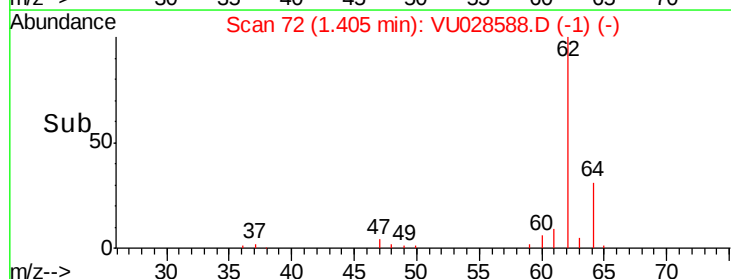
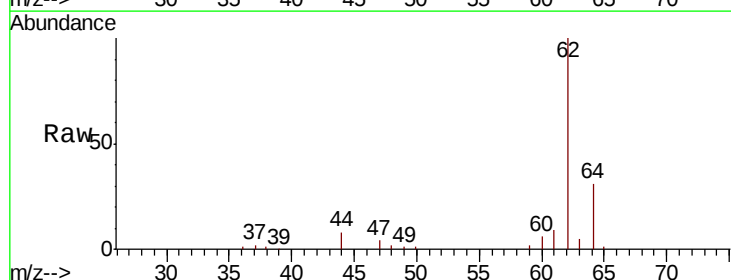
Acq: 11 Dec 2018 06:53

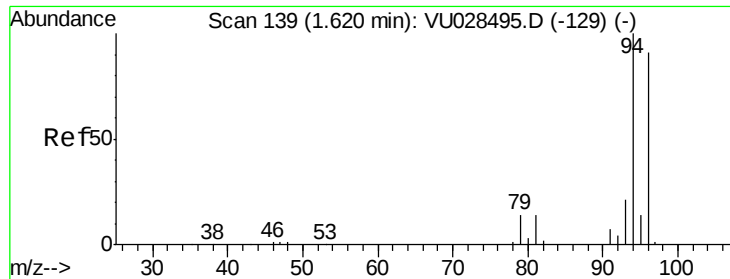
Tgt Ion: 62 Resp: 29899

Ion Ratio Lower Upper

62 100

64 31.1 25.1 37.7





#5

Bromomethane

Concen: 22.267 ug/l

RT: 1.62 min Scan# 138

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion: 94 Resp: 12823

Ion Ratio Lower Upper

94 100

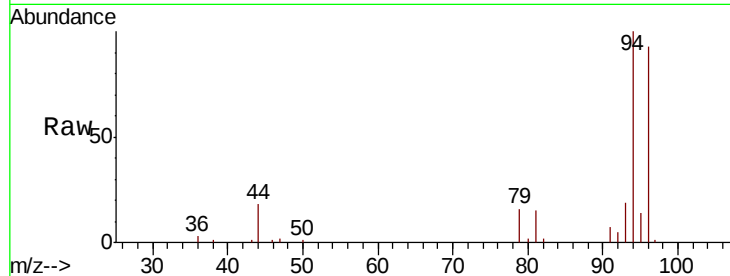
96 92.8 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

12000

10000

8000

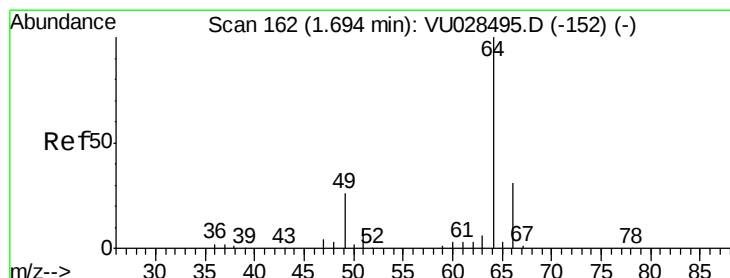
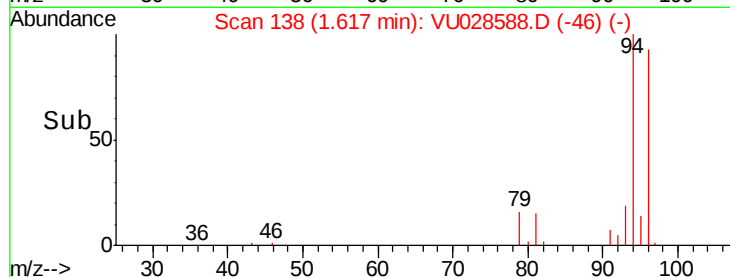
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 20.798 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU028588.D

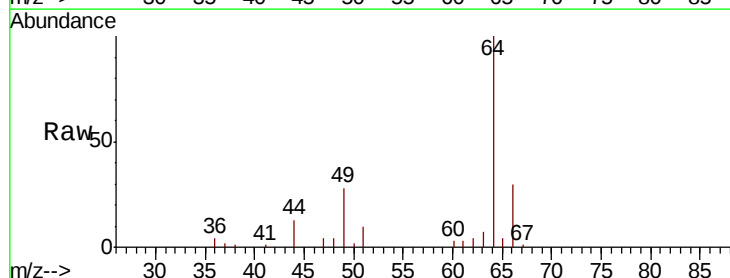
Acq: 11 Dec 2018 06:53

Tgt Ion: 64 Resp: 16833

Ion Ratio Lower Upper

64 100

66 30.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

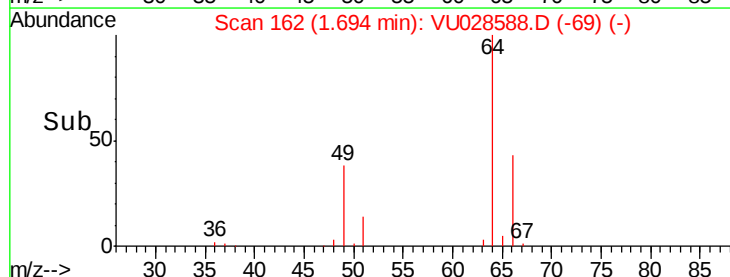
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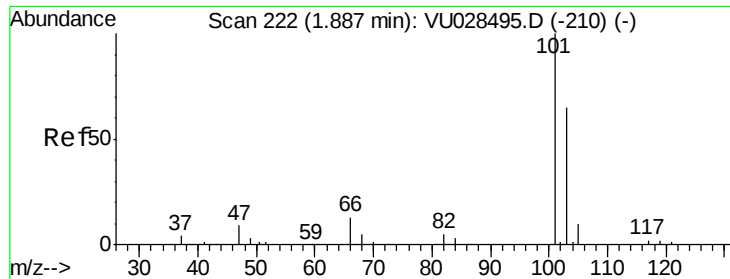
10000

5000

0

Time-->





#7

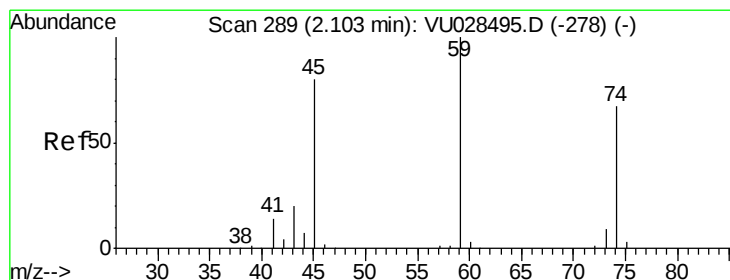
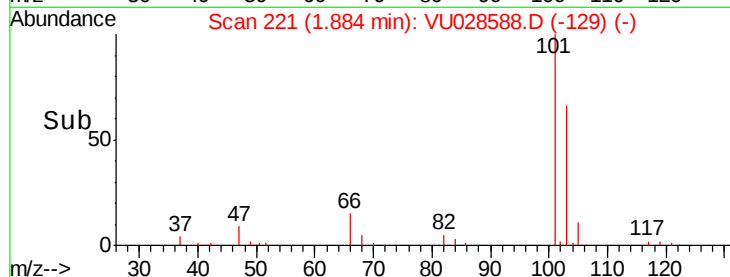
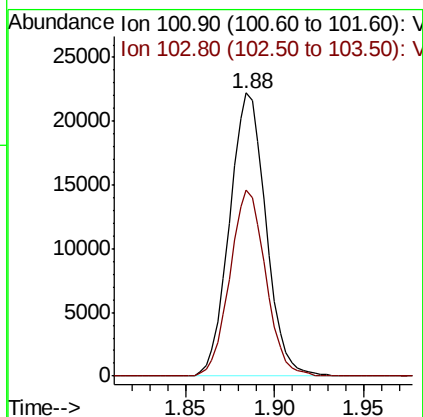
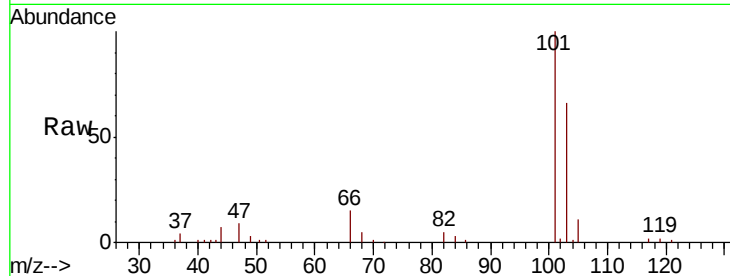
Trichlorofluoromethane
Concen: 21.000 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
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ClientSampleId :
VU1211WBSD02

Tot Ion:101 Resp: 31586
Ion Ratio Lower Upper
101 100
103 65.8 52.3 78.5

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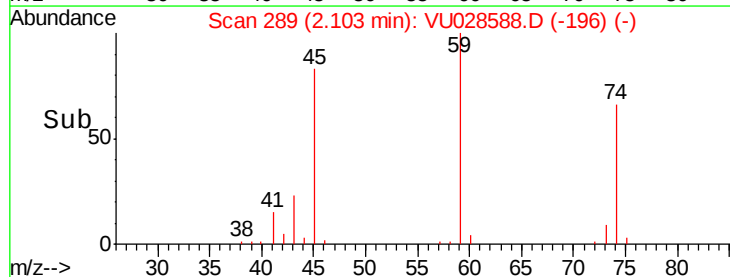
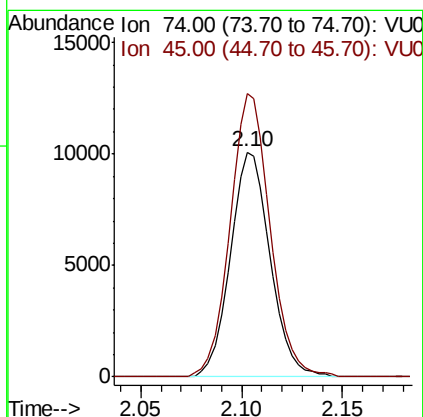
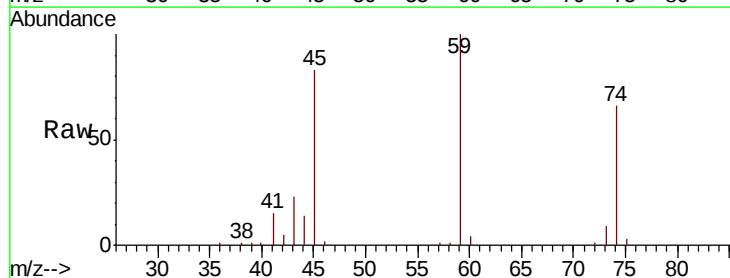
MMDadoda
12/11/2018 12:11:12 PM

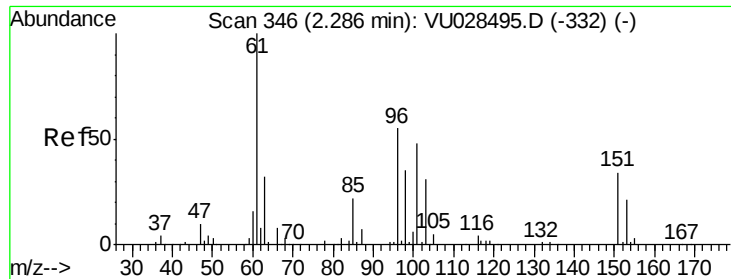


#8

Diethyl Ether
Concen: 19.749 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 74 Resp: 13898
Ion Ratio Lower Upper
74 100
45 126.9 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.452 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

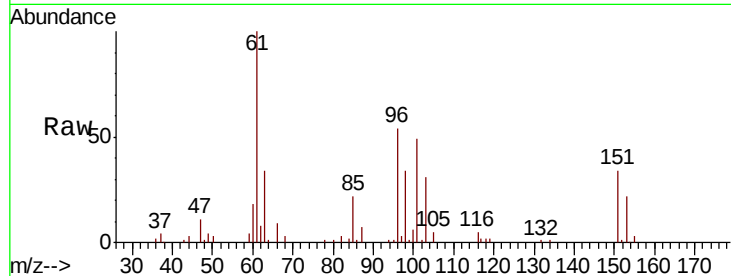
ClientSampleId :

VU1211WBSD02

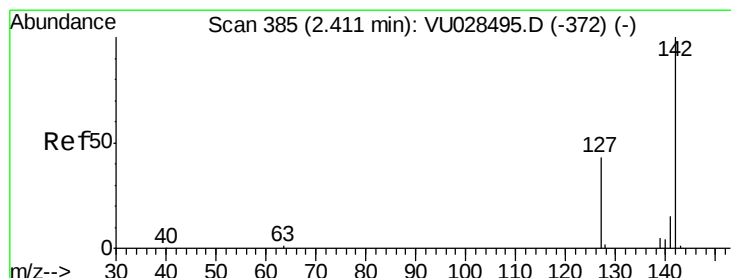
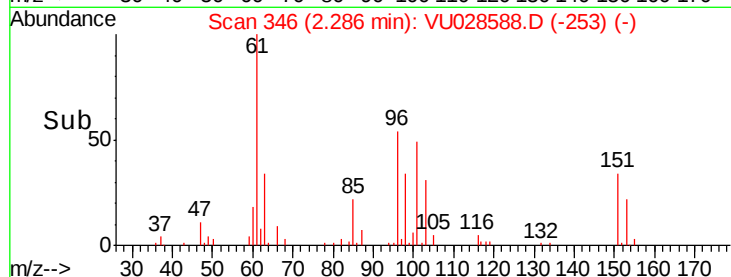
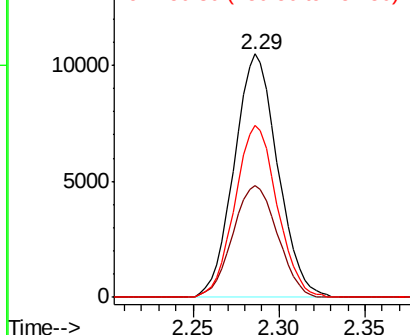
Tot Ion:	101	Resp:	18398
Ion Ratio	Lower	Upper	
101	100		
85	47.3	36.4	54.6
151	68.9	58.2	87.2

Manual Integrations
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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: 24.298 ug/l

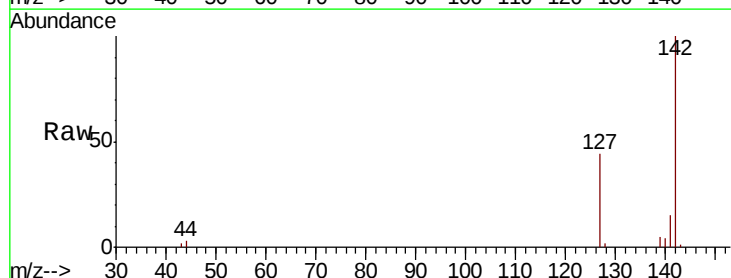
RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

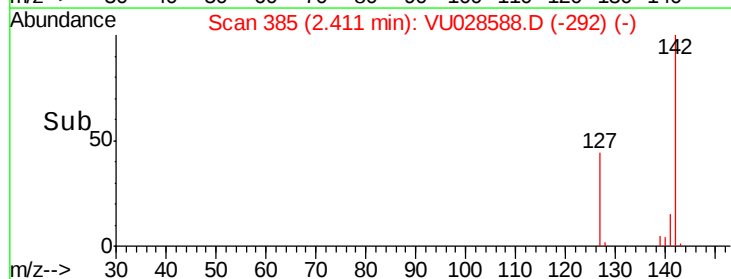
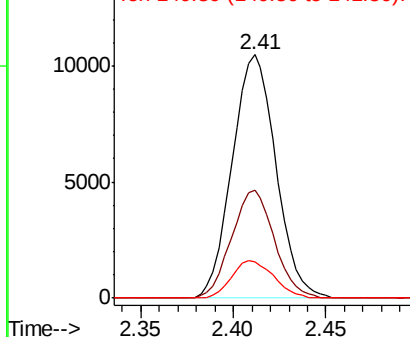
Lab File: VU028588.D

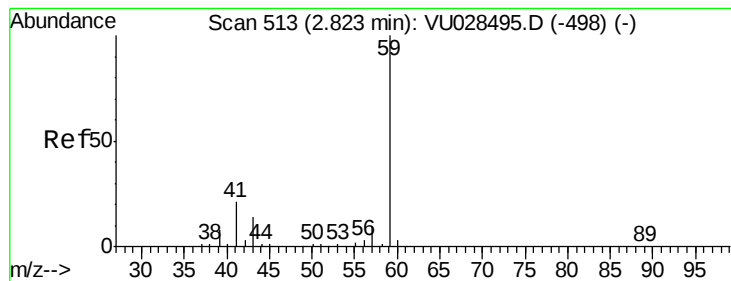
Acq: 11 Dec 2018 06:53

Tgt Ion:	142	Resp:	17151
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.5	50.3
141	14.8	11.2	16.8



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

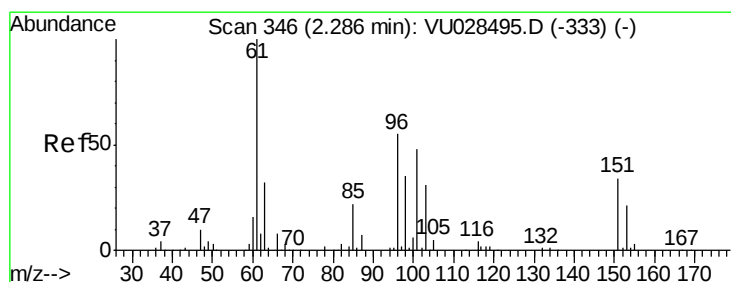
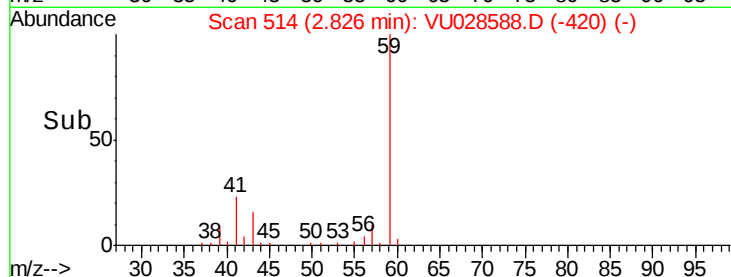
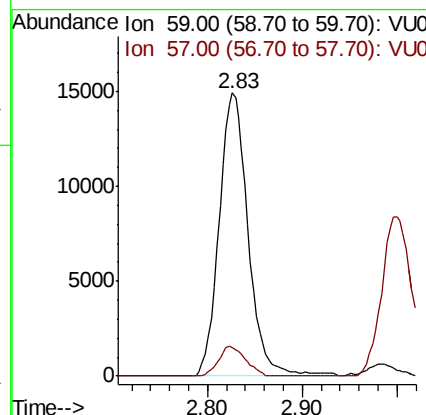
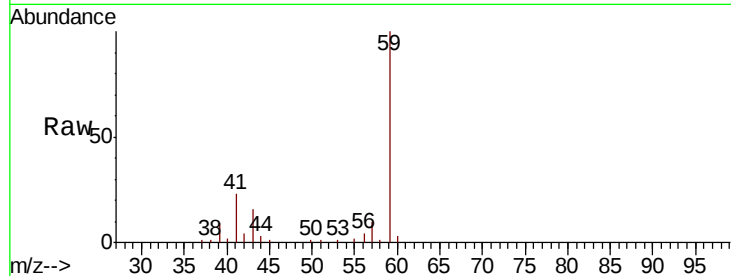
Tert butyl alcohol
Concen: 116.061 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.0	12.0

Manual Integrations
APPROVED

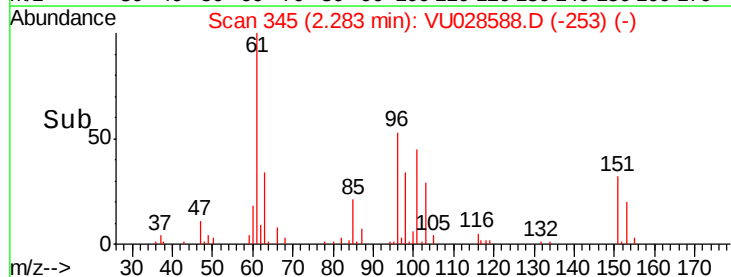
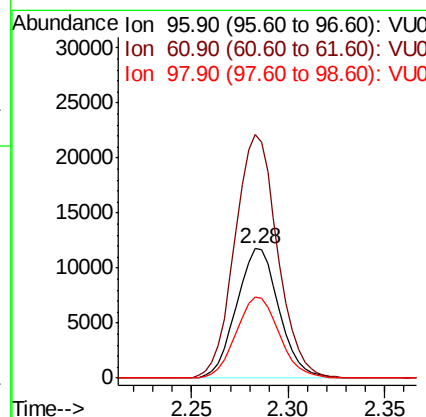
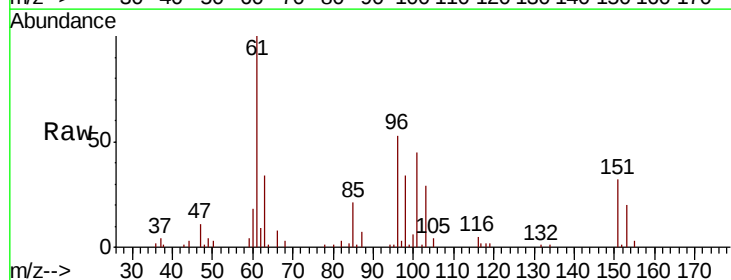
MMDadoda
12/11/2018 12:11:12 PM

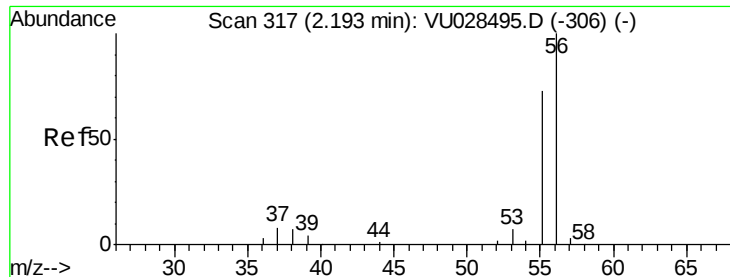


#12

1,1-Dichloroethene
Concen: 20.100 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.4	146.4	219.6
98	63.2	51.8	77.8





#13

Acrolein

Concen: 99.433 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion: 56 Resp: 21666

Ion Ratio Lower Upper

56 100

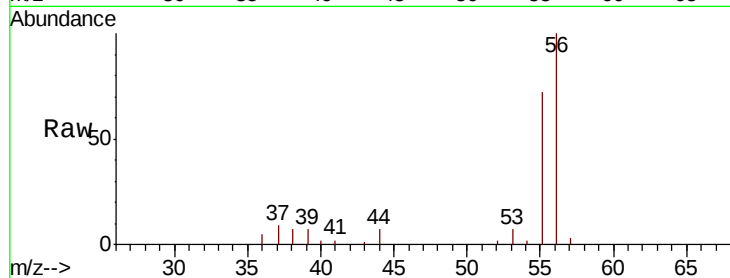
55 74.4 57.5 86.3

Manual Integrations

APPROVED

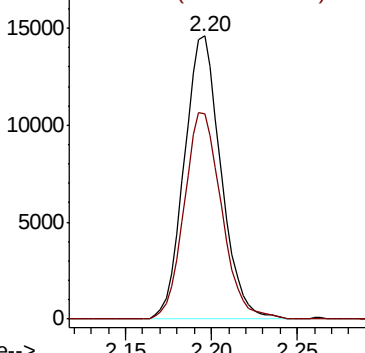
MMDadoda

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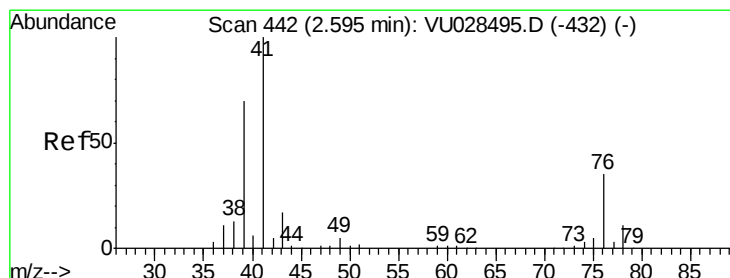
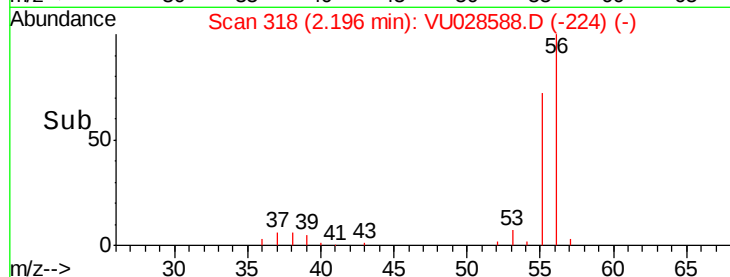


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#14

Allyl chloride

Concen: 20.589 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

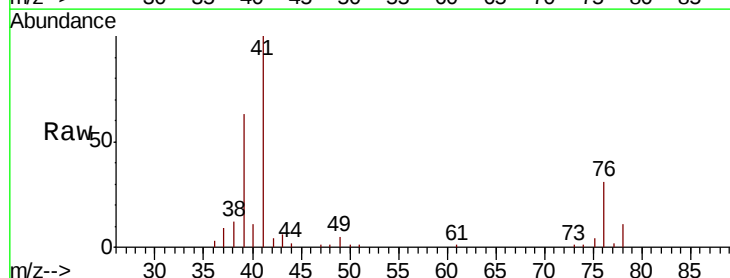
Tgt Ion: 41 Resp: 43595

Ion Ratio Lower Upper

41 100

39 63.7 50.8 76.2

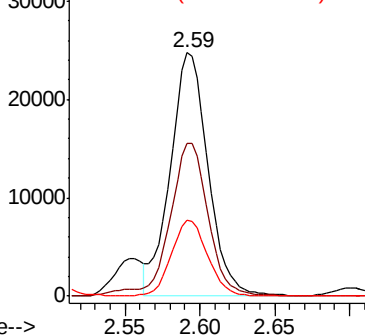
76 29.7 24.8 37.2



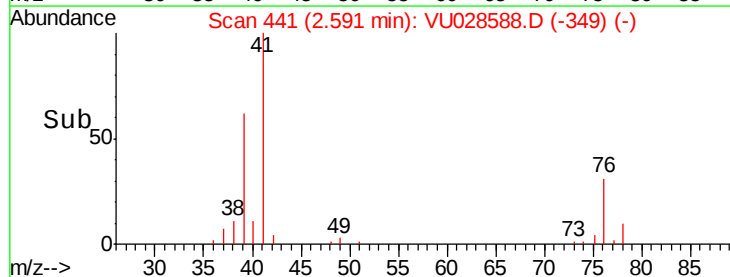
Abundance Ion 41.00 (40.70 to 41.70): VU0

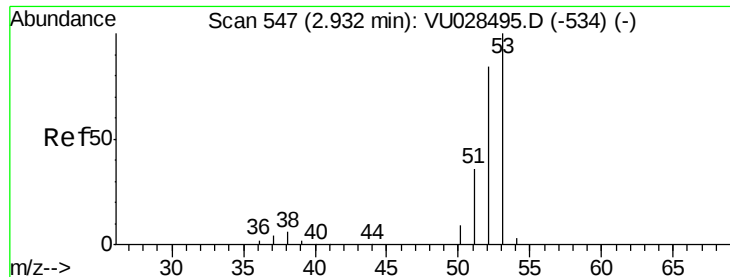
Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time-->





#15

Acrylonitrile

Concen: 114.407 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

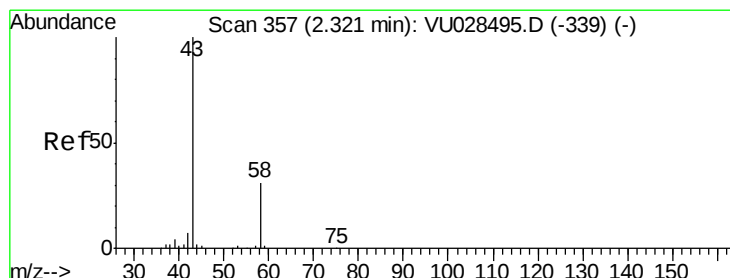
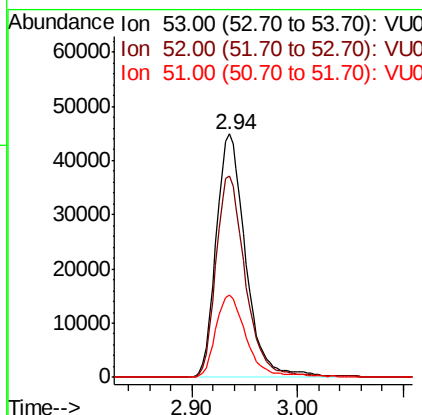
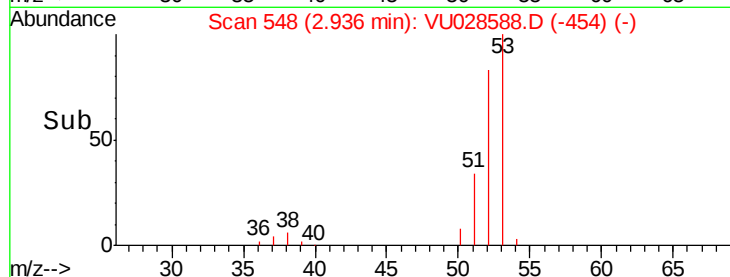
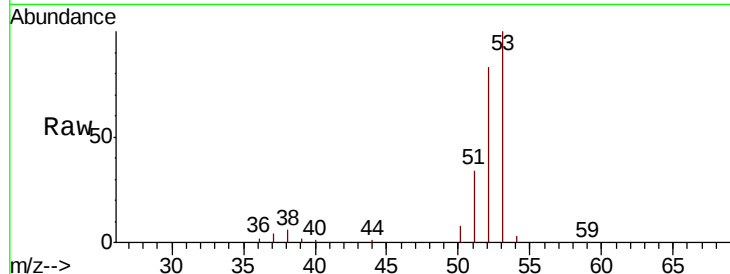
ClientSampleId :

VU1211WBSD02

Tot Ion:	53	Resp:	86818
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.1	99.1
51	34.4	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 88.375 ug/l

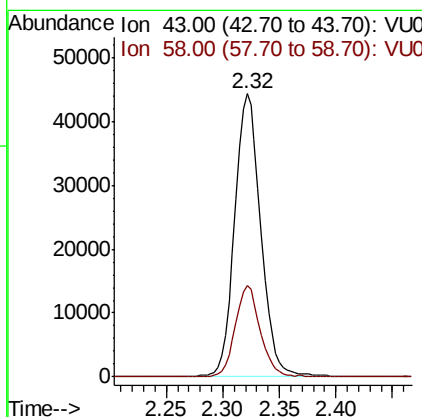
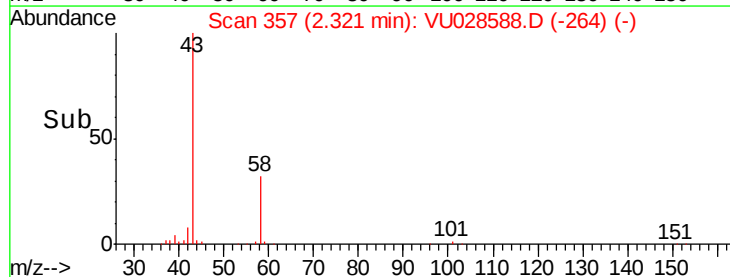
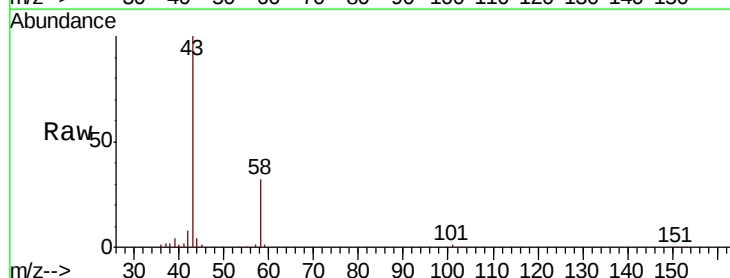
RT: 2.32 min Scan# 357

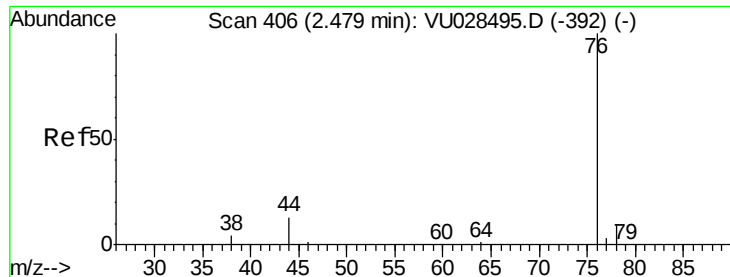
Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Tgt Ion:	43	Resp:	70749
Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.6	37.0





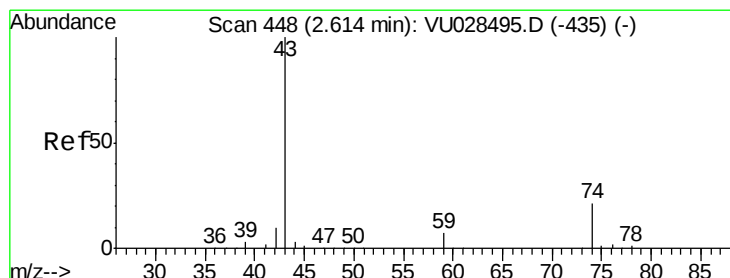
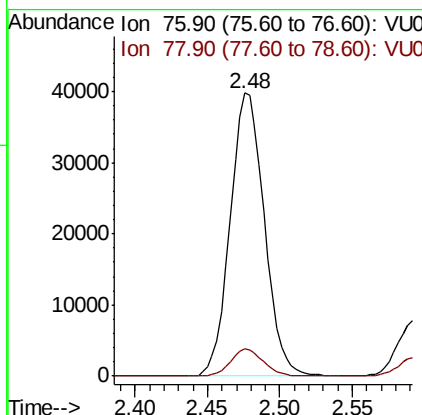
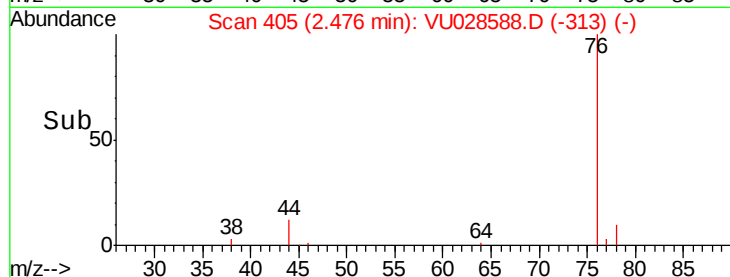
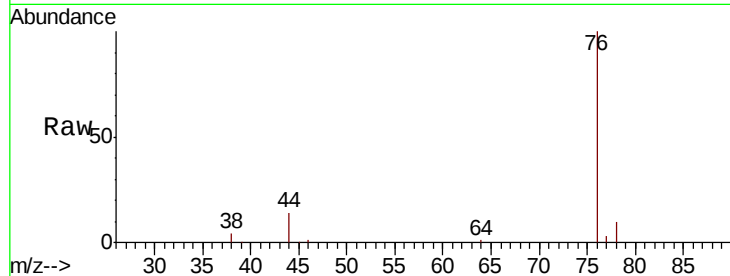
#17
Carbon Disulfide
Concen: 20.161 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.2	10.8

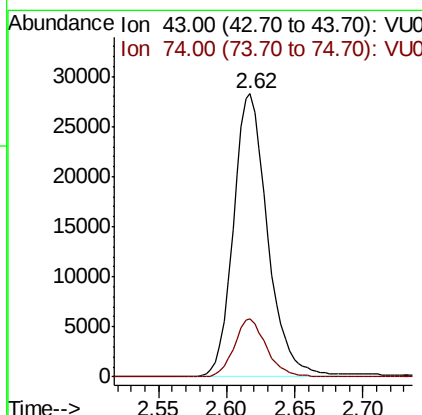
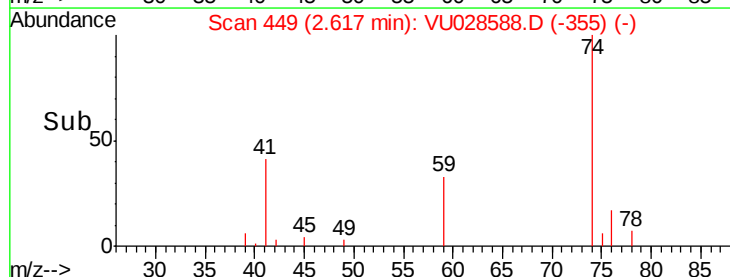
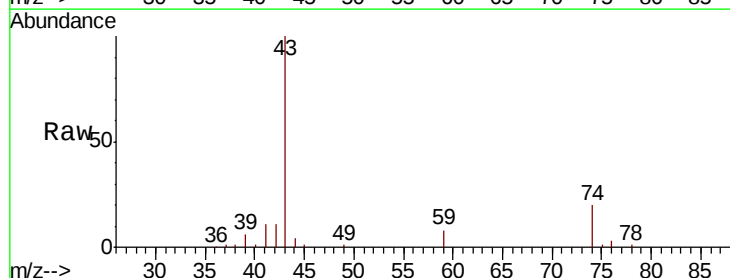
Manual Integrations
APPROVED

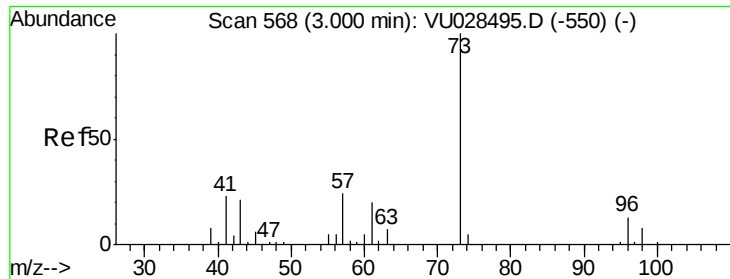
MMDadoda
12/11/2018 12:11:12 PM



#18
Methyl Acetate
Concen: 23.742 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	16.4	24.6





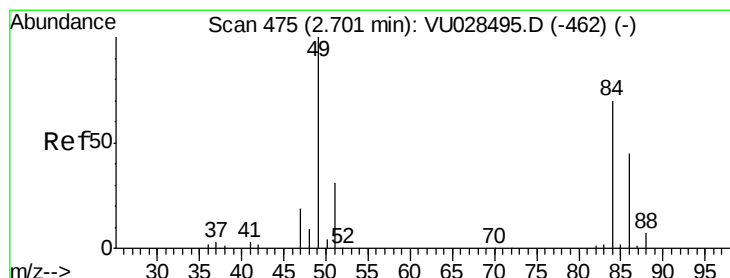
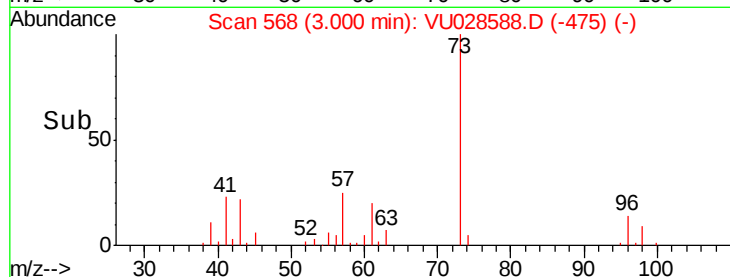
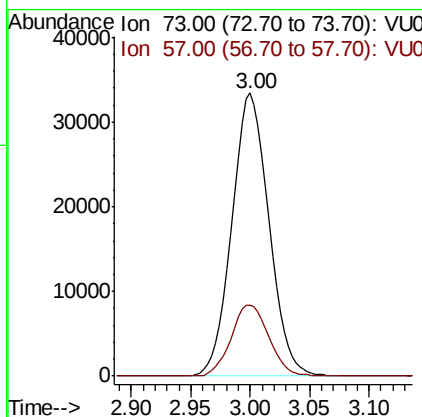
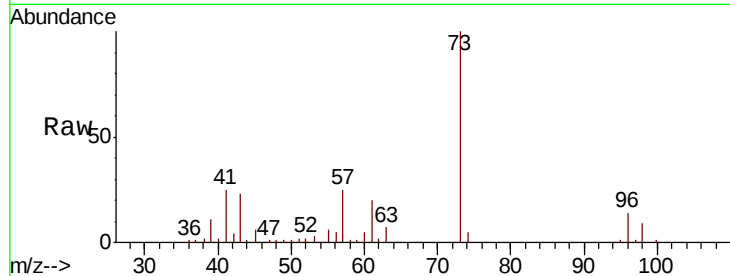
#19
Methyl tert-butyl Ether
Concen: 21.232 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion: 73 Resp: 72043
Ion Ratio Lower Upper
73 100
57 25.2 19.4 29.2

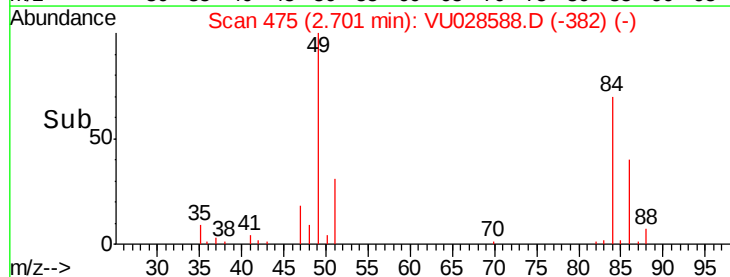
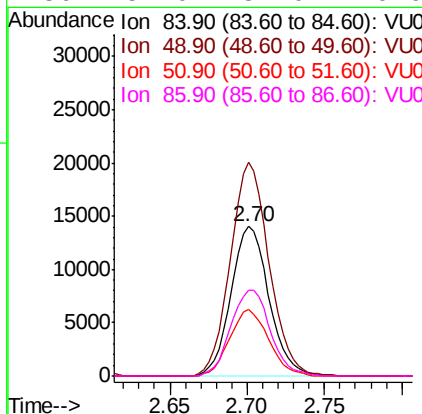
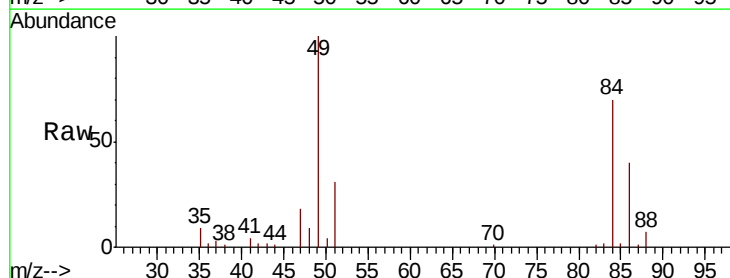
Manual Integrations
APPROVED

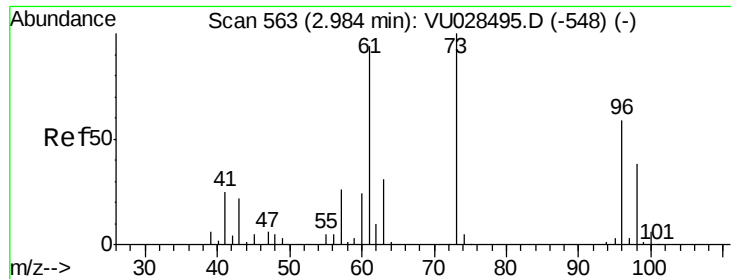
MMDadoda
12/11/2018 12:11:12 PM



#20
Methylene Chloride
Concen: 20.240 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 84 Resp: 23886
Ion Ratio Lower Upper
84 100
49 142.7 114.0 171.0
51 44.2 35.1 52.7
86 57.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.420 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion: 96 Resp: 20578

Ion Ratio Lower Upper

96 100

61 160.1 127.0 190.4

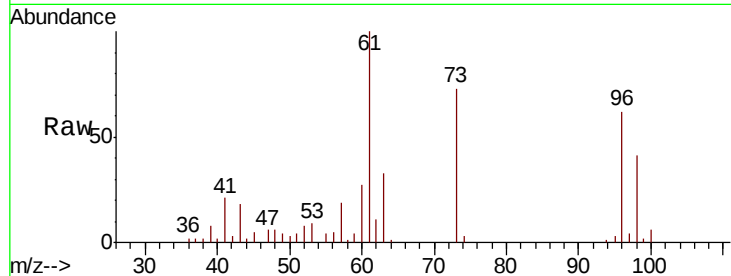
98 65.2 51.9 77.9

Manual Integrations

APPROVED

MMDadoda

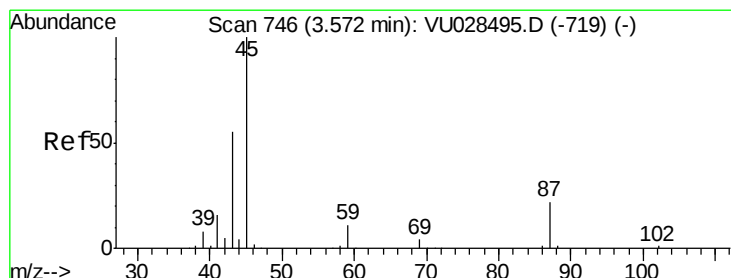
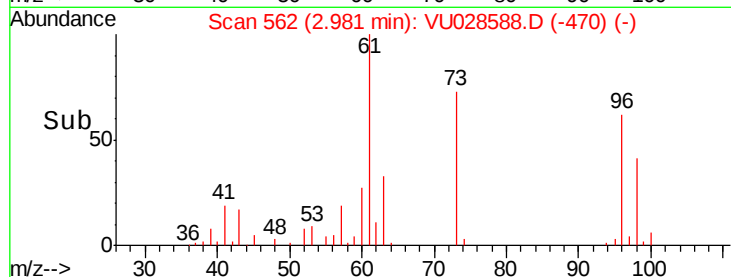
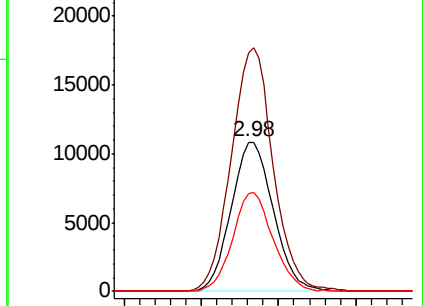
12/11/2018 12:11:12 PM



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 22.672 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Tgt Ion: 45 Resp: 93354

Ion Ratio Lower Upper

45 100

43 59.7 45.3 67.9

87 19.8 17.6 26.4

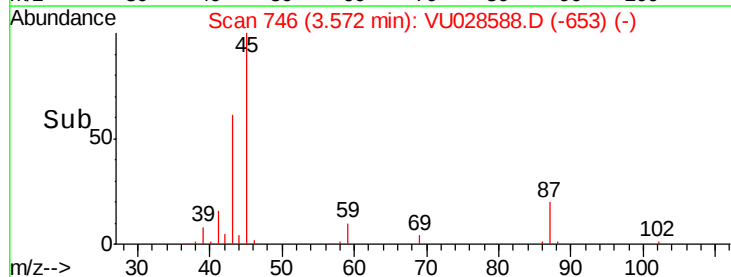
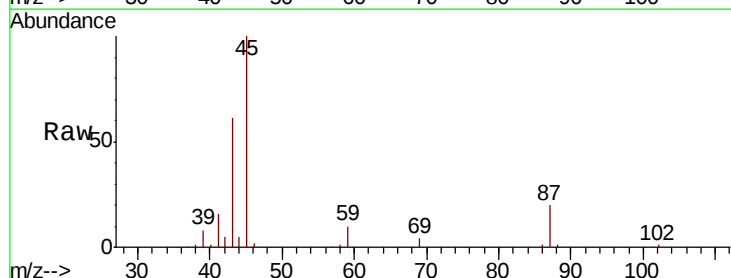
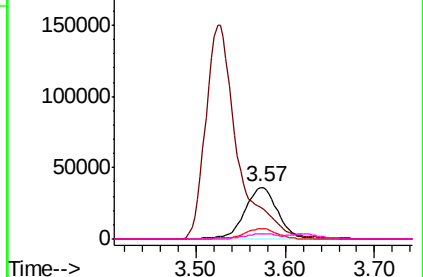
59 10.3 8.8 13.2

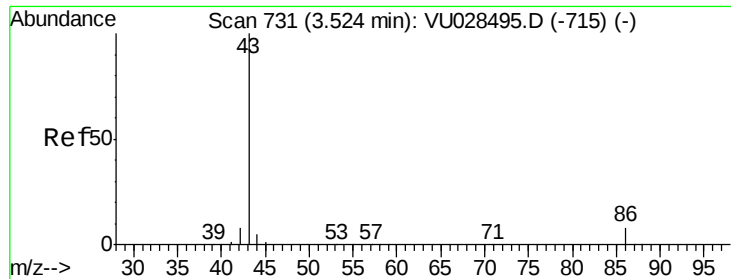
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 109.163 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion: 43 Resp: 370763

Ion Ratio Lower Upper

43 100

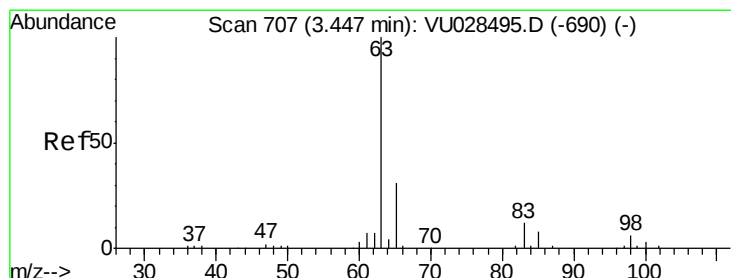
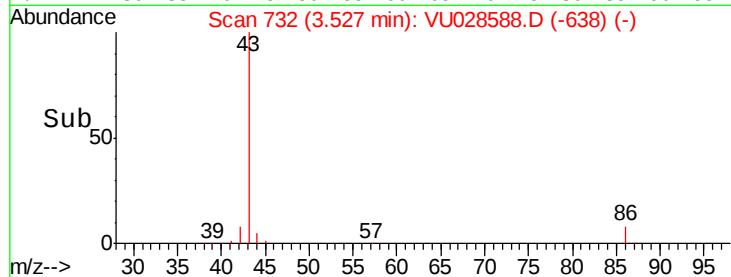
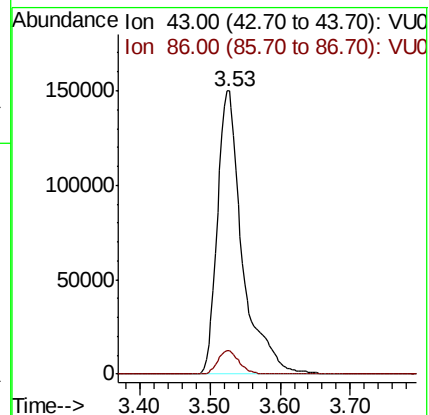
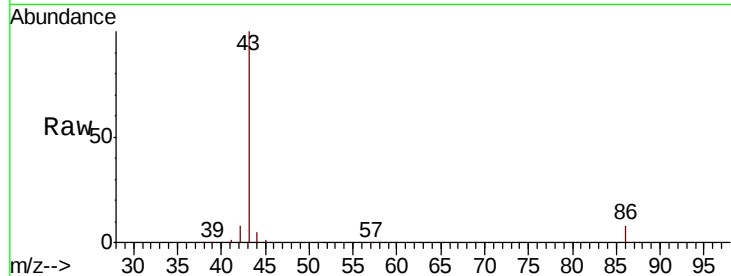
86 8.5 6.8 10.2

Manual Integrations

APPROVED

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12/11/2018 12:11:12 PM



#24

1,1-Dichloroethane

Concen: 21.178 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

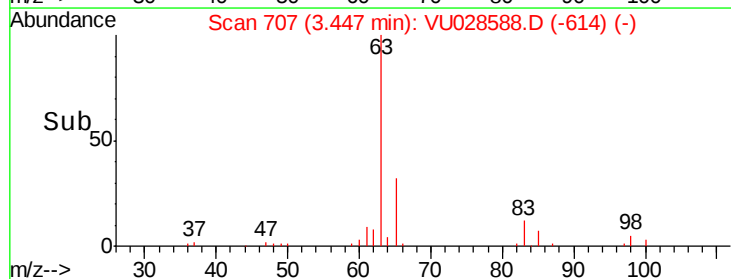
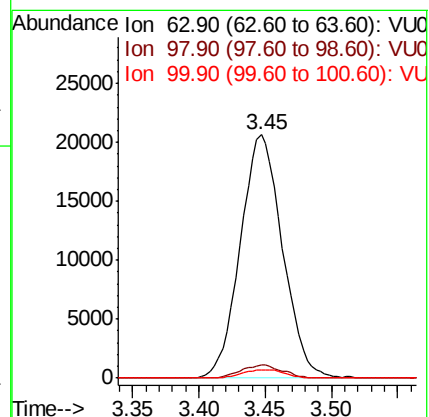
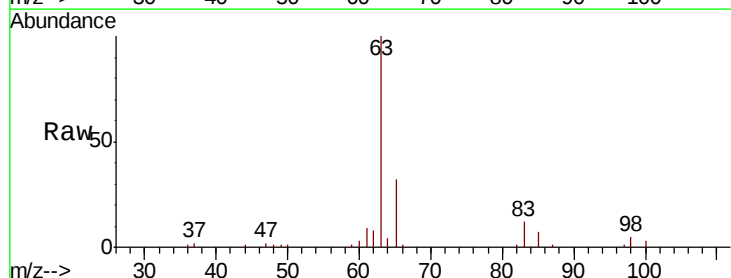
Tgt Ion: 63 Resp: 45647

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 3.2 1.7 5.1





#25

2-Butanone

Concen: 108.277 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion: 43 Resp: 118459

Ion Ratio Lower Upper

43 100

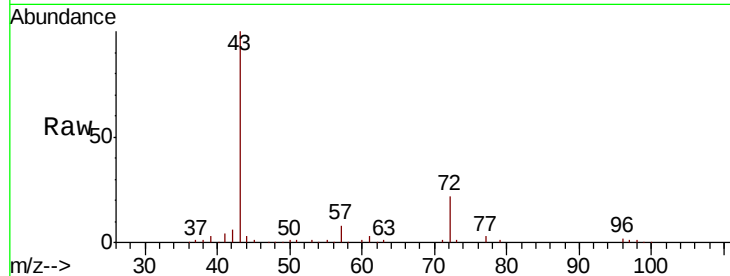
72 22.4 18.6 28.0

Manual Integrations

APPROVED

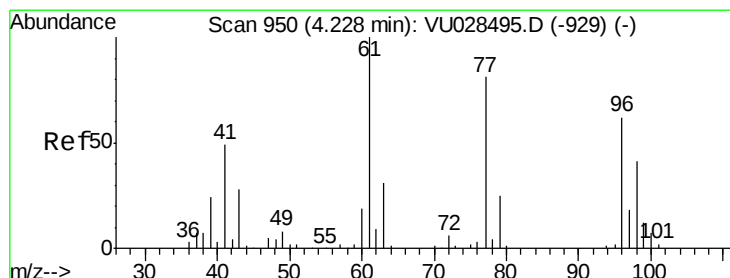
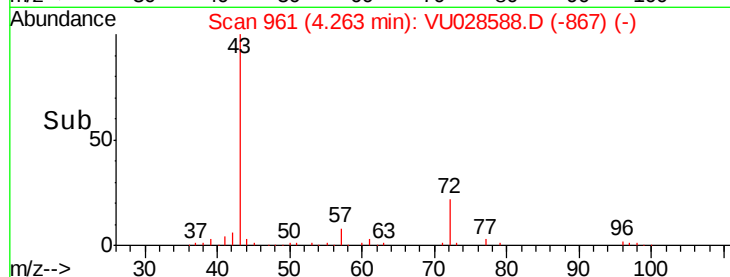
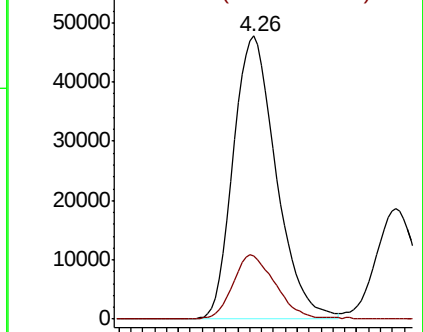
MMDadoda

12/11/2018 12:11:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 15.753 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028588.D

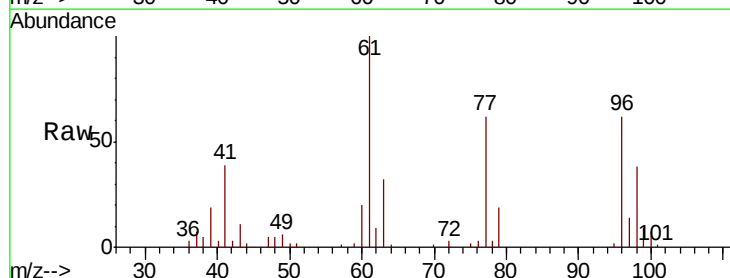
Acq: 11 Dec 2018 06:53

Tgt Ion: 77 Resp: 26904

Ion Ratio Lower Upper

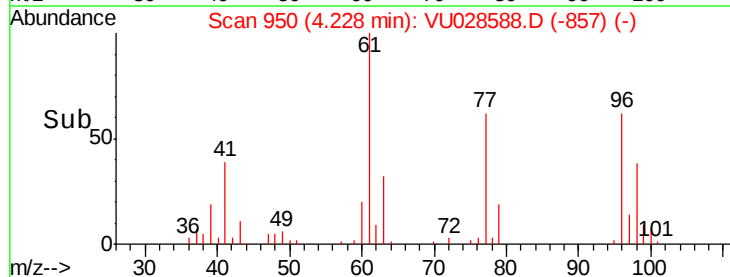
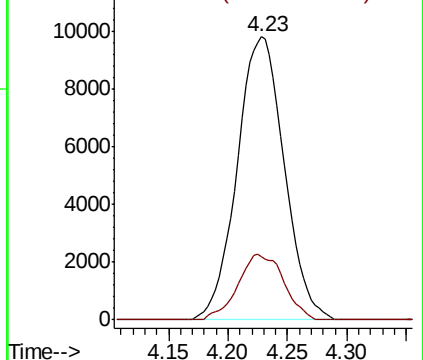
77 100

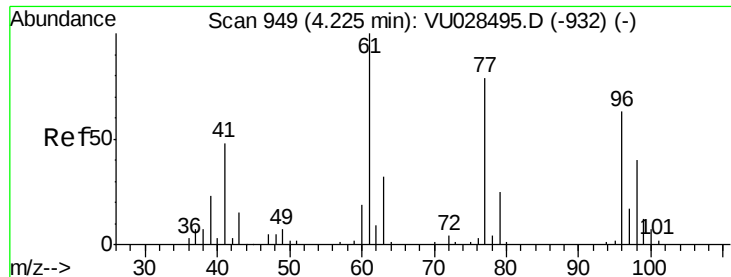
97 22.5 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

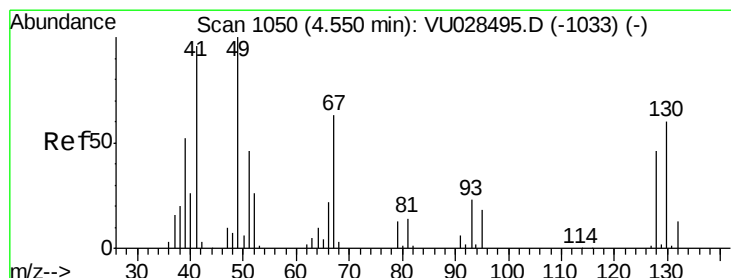
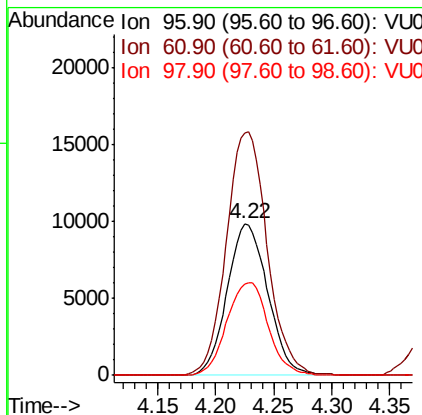
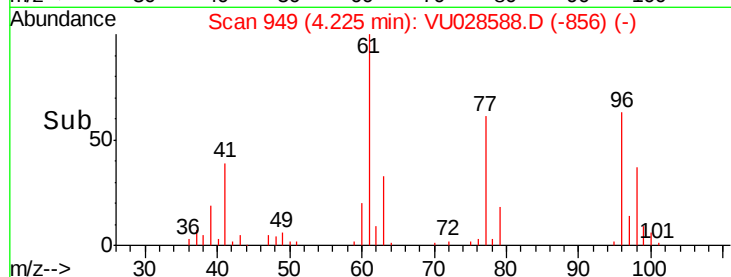
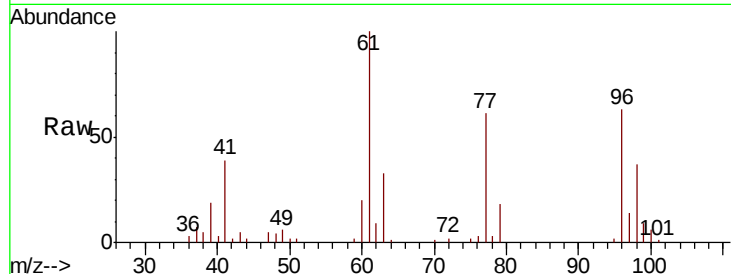
cis-1,2-Dichloroethene
Concen: 21.053 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	332.4
98	62.2	0.0	129.0

Manual Integrations
APPROVED

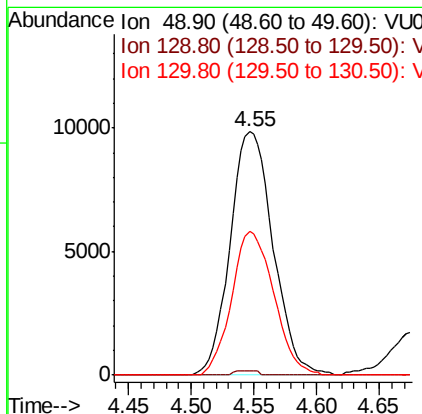
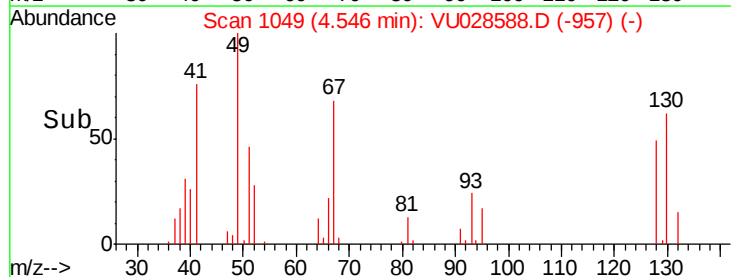
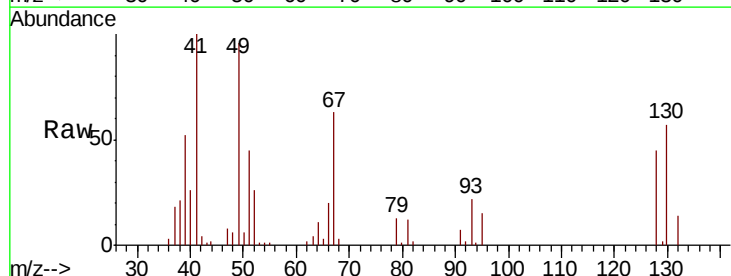
MMDadoda
12/11/2018 12:11:12 PM

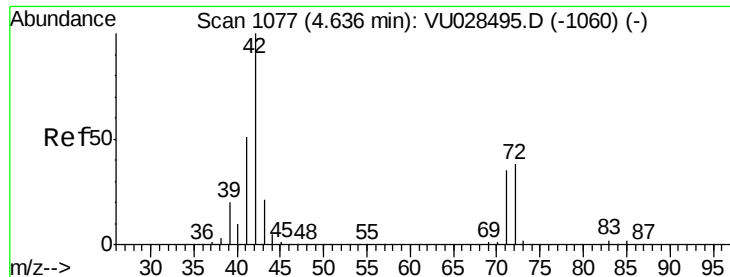


#28

Bromochloromethane
Concen: 23.898 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.0
130	57.9	47.8	71.8





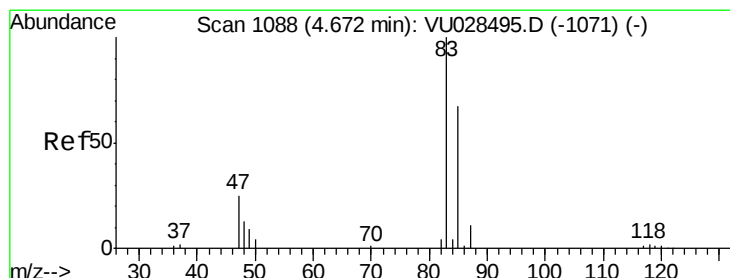
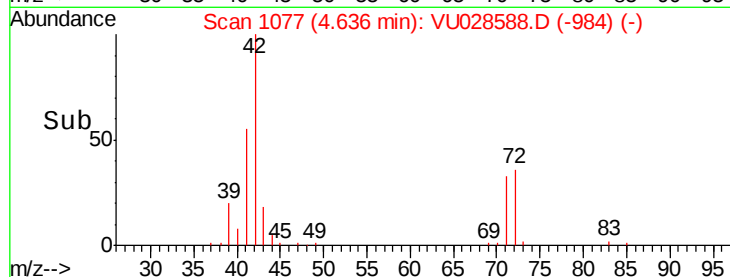
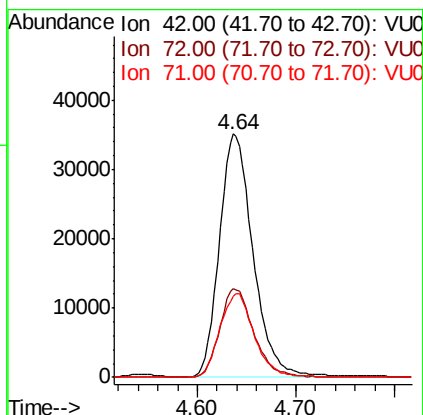
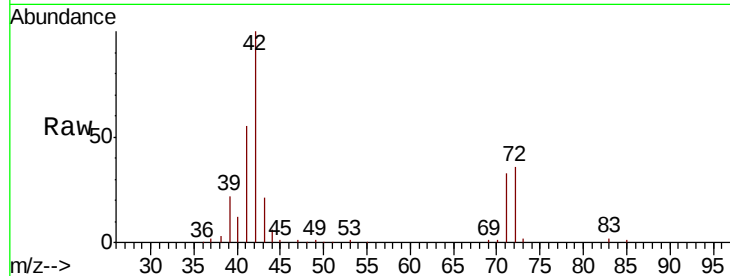
#29
Tetrahydrofuran
Concen: 119.643 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	31.4	47.0
71	35.0	28.6	43.0

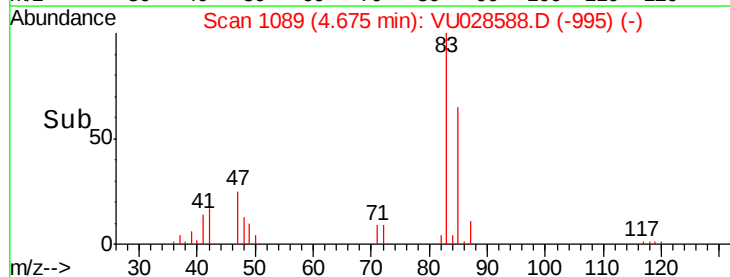
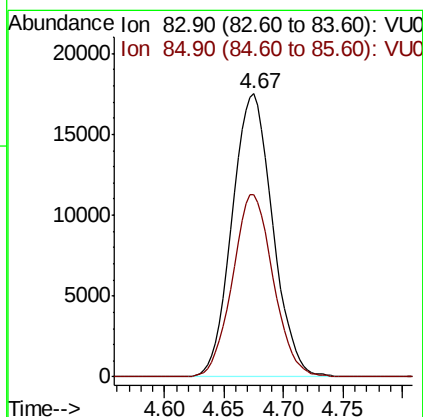
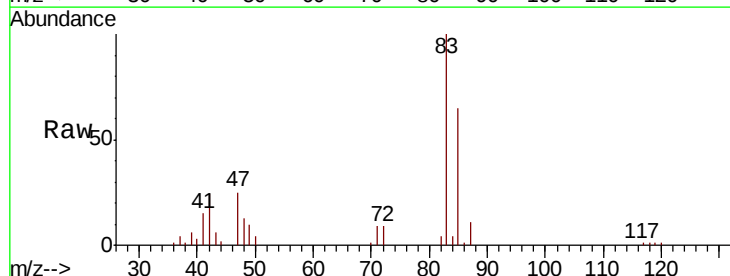
Manual Integrations
APPROVED

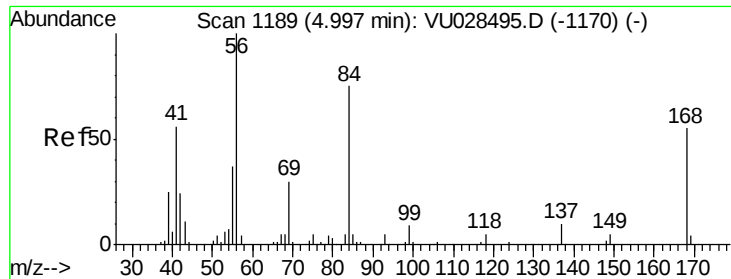
MMDadoda
12/11/2018 12:11:12 PM



#30
Chloroform
Concen: 22.039 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.6	80.4





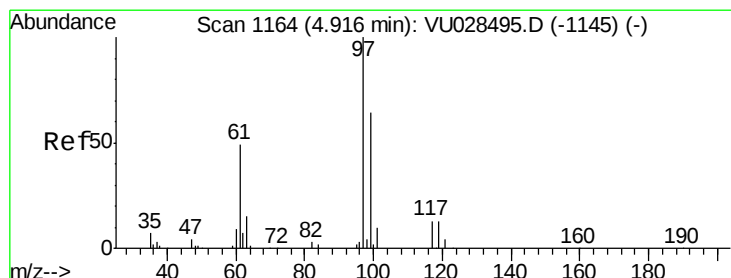
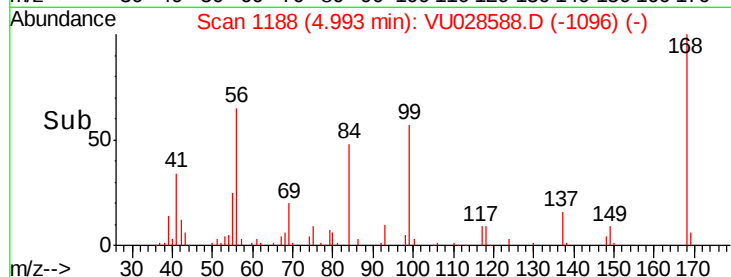
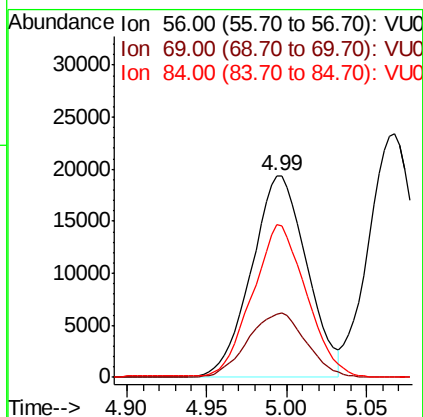
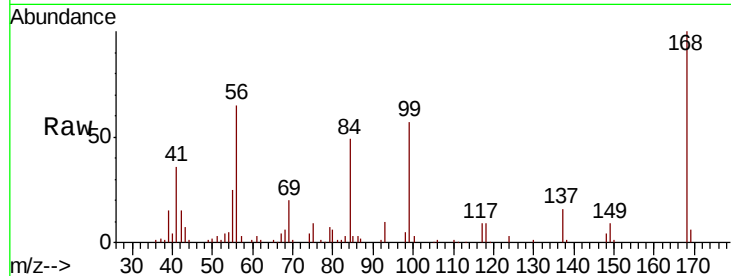
#31
Cyclohexane
Concen: 21.309 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.0	36.0
84	75.2	59.7	89.5

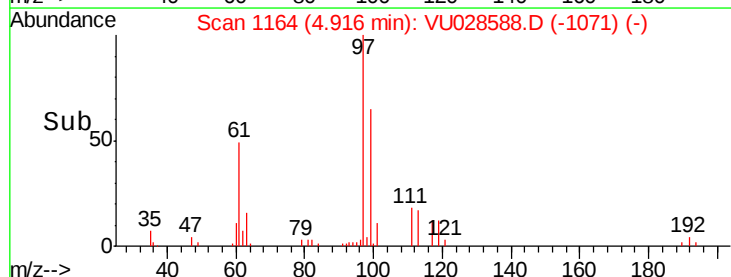
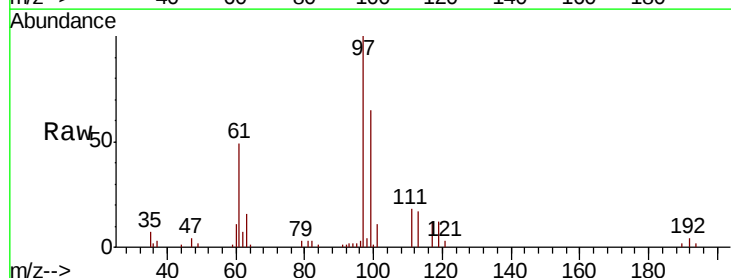
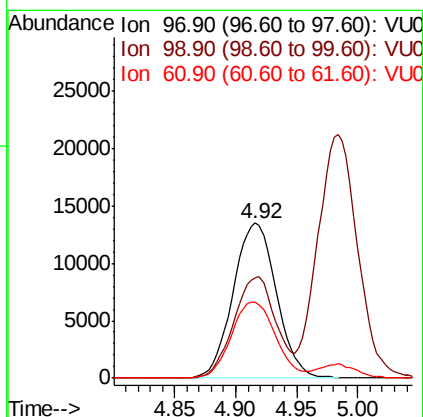
Manual Integrations
APPROVED

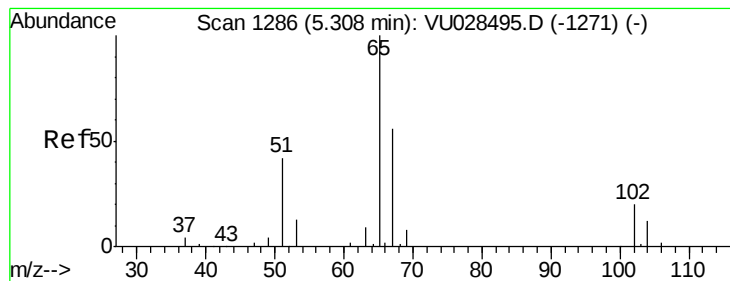
MMDadoda
12/11/2018 12:11:12 PM



#32
1,1,1-Trichloroethane
Concen: 21.258 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.3	78.5
61	50.1	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 57.149 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion: 65 Resp: 70111

Ion Ratio Lower Upper

65 100

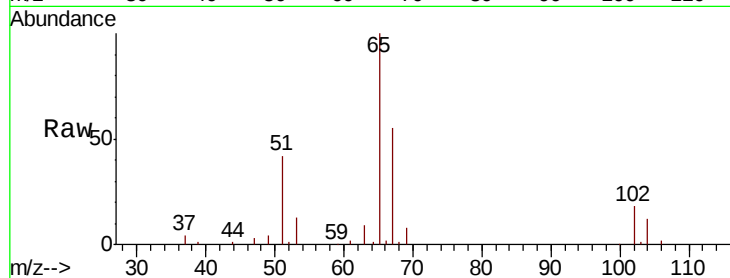
67 54.9 0.0 110.6

Manual Integrations

APPROVED

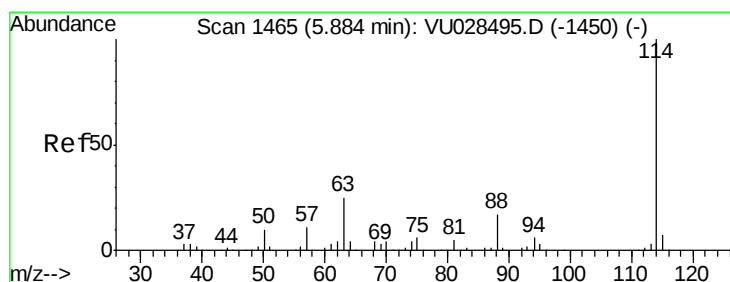
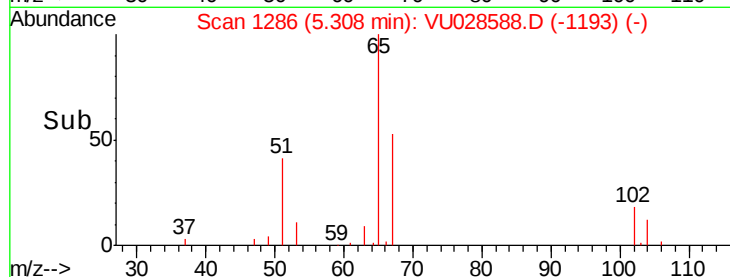
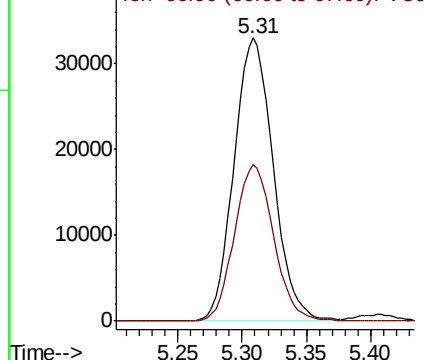
MMDadoda

12/11/2018 12:11:12 PM



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

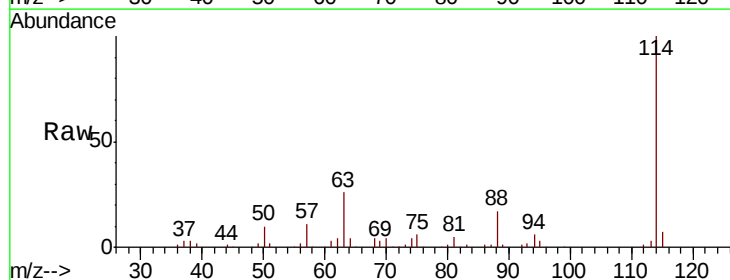
Tgt Ion: 114 Resp: 143084

Ion Ratio Lower Upper

114 100

63 25.6 0.0 49.2

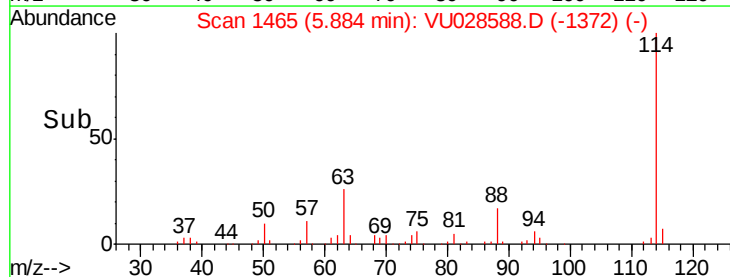
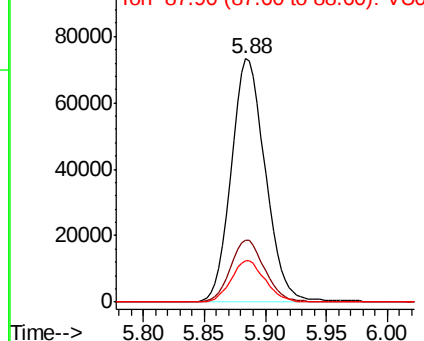
88 17.0 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





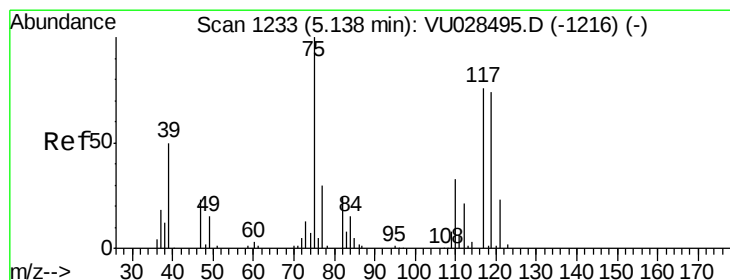
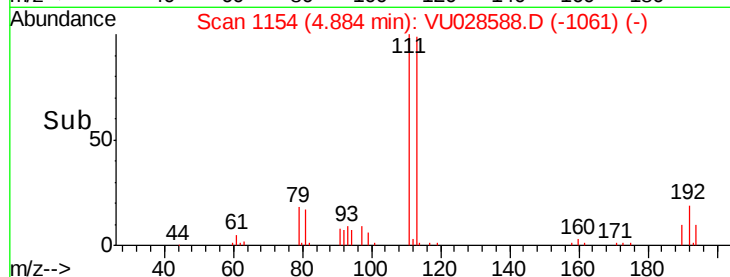
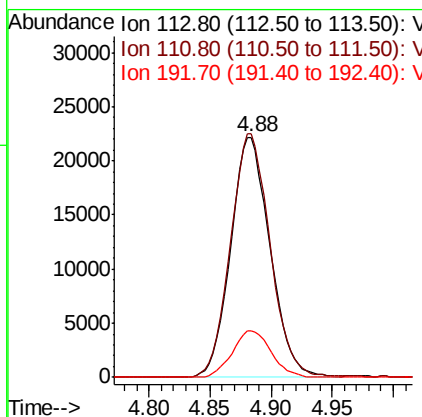
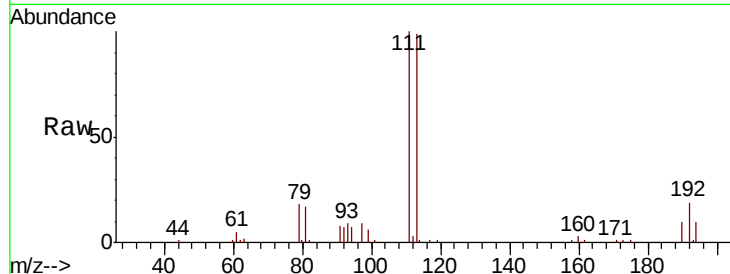
#35
 Dibromofluoromethane
 Concen: 55.109 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	49622		
111	102.1		83.4	125.0
192	18.9		14.8	22.2

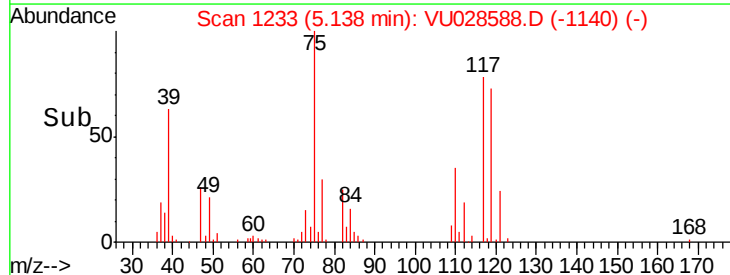
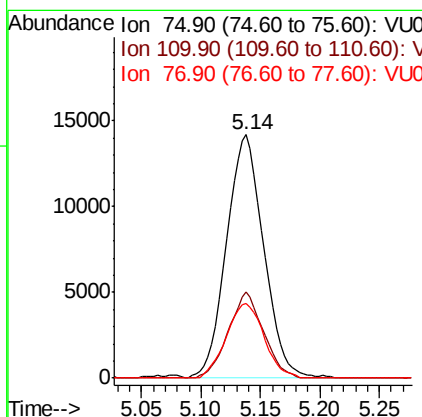
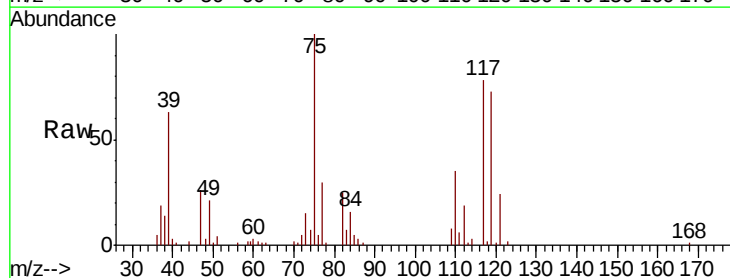
Manual Integrations
 APPROVED

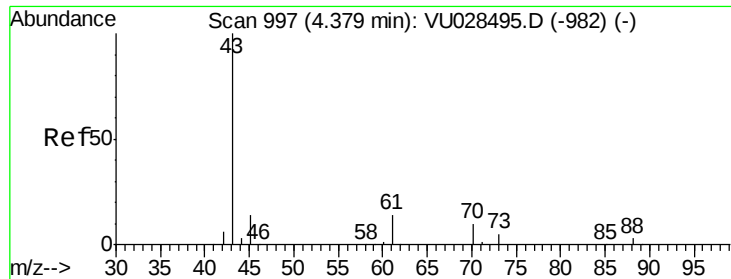
MMDadoda
 12/11/2018 12:11:12 PM



#36
 1,1-Dichloropropene
 Concen: 19.655 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30774		
110	33.3		16.1	48.2
77	31.0		24.5	36.7





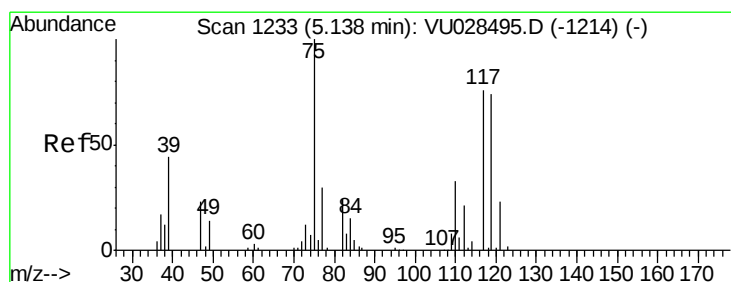
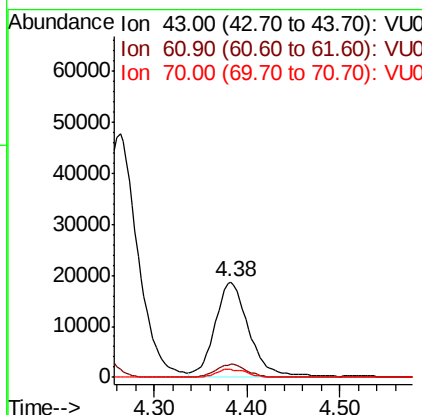
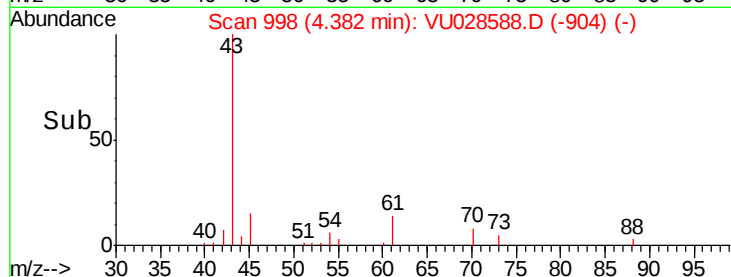
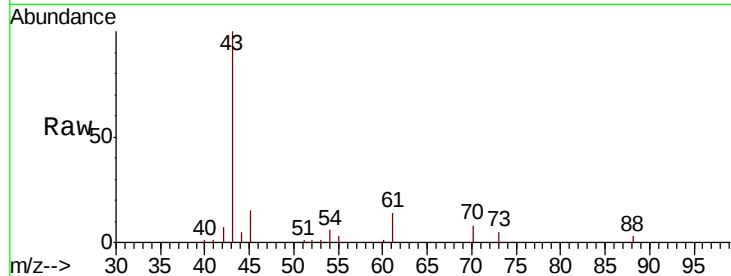
#37
Ethyl Acetate
Concen: 22.989 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.4
70	8.0	7.4	11.0

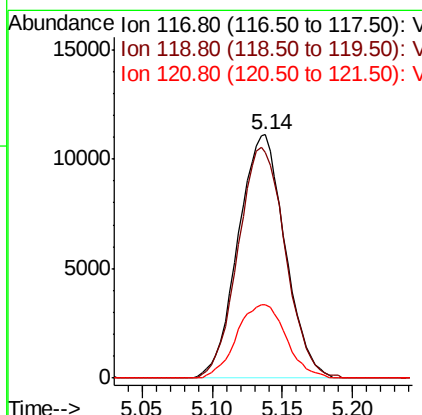
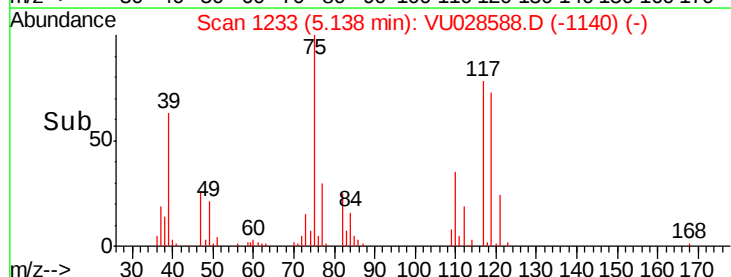
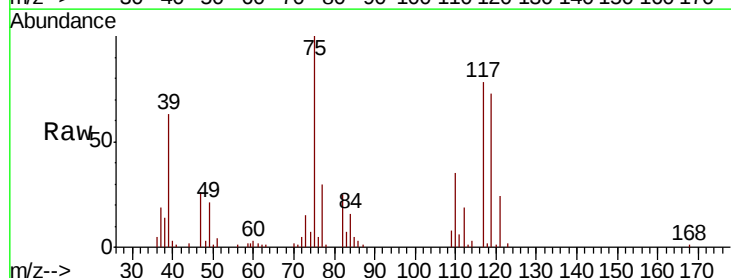
Manual Integrations
APPROVED

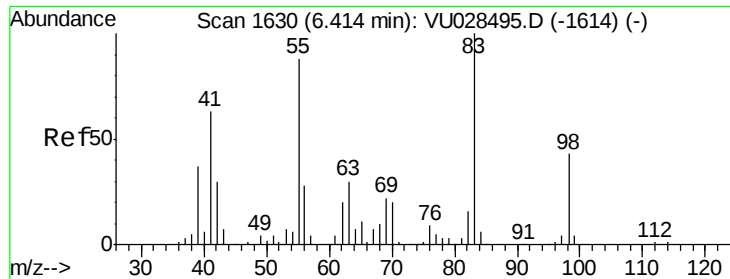
MMDadoda
12/11/2018 12:11:12 PM



#38
Carbon Tetrachloride
Concen: 20.461 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.6	116.4
121	30.1	24.6	36.8





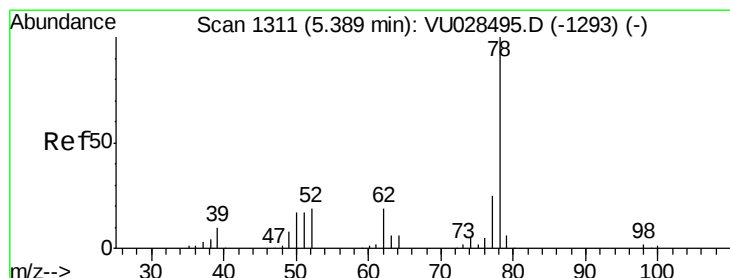
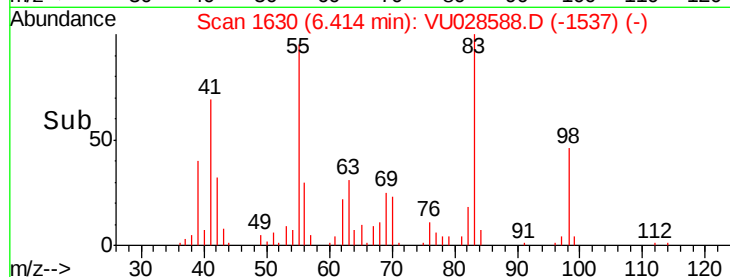
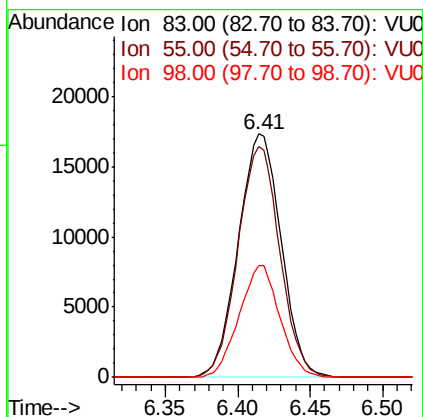
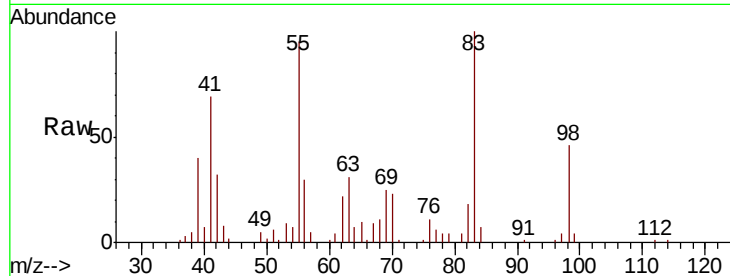
#39
Methvlcvclohexane
Concen: 18.635 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.9	70.2	105.2
98	46.1	34.2	51.4

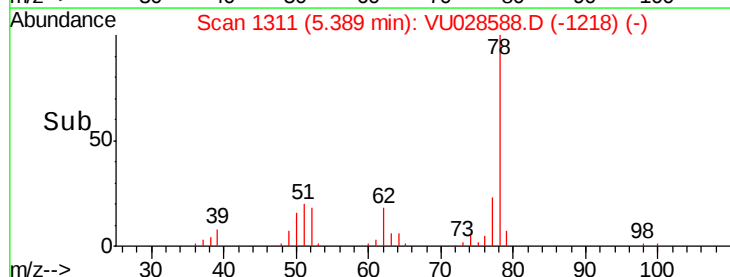
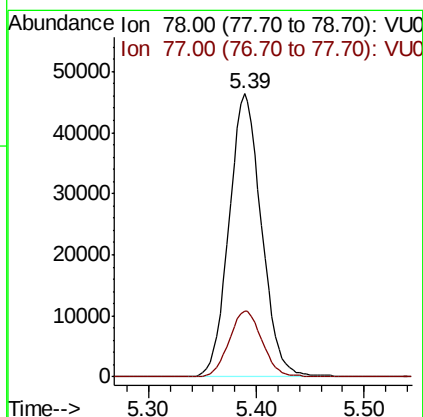
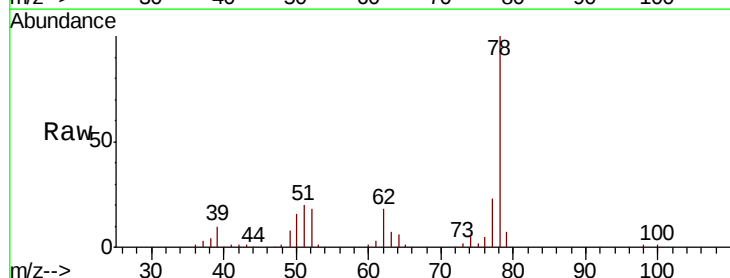
Manual Integrations
APPROVED

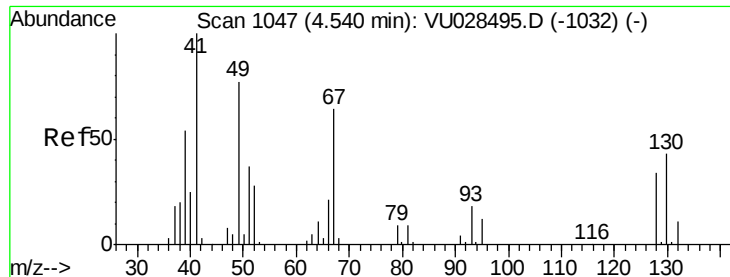
MMDadoda
12/11/2018 12:11:12 PM



#40
Benzene
Concen: 21.083 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.9	29.9





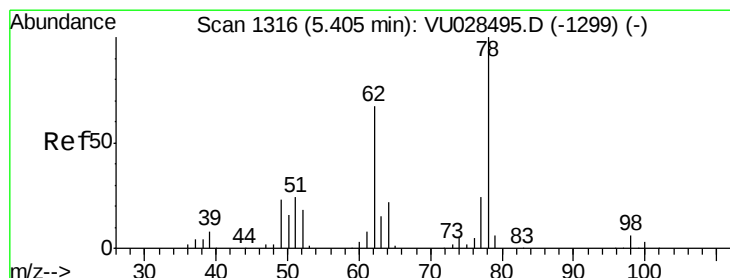
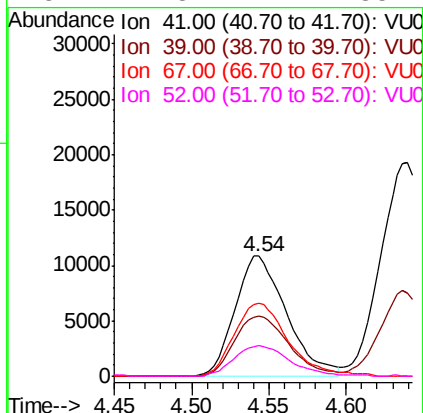
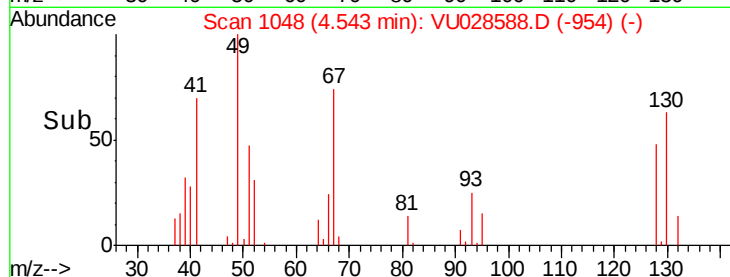
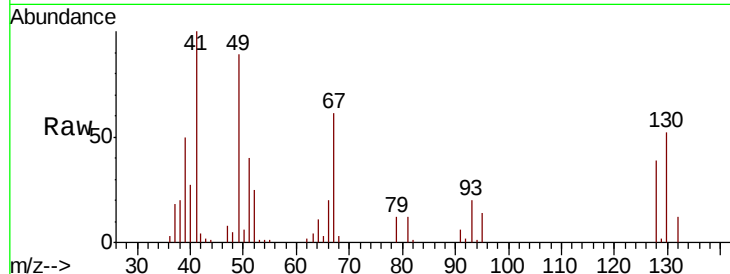
#41
Methacrylonitrile
Concen: 22.624 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	43.3	64.9	
67	63.6	53.6	80.4	
52	27.8	22.1	33.1	

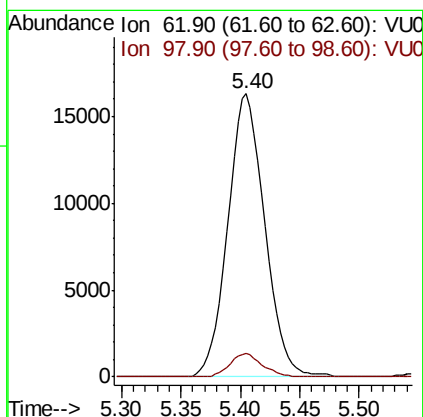
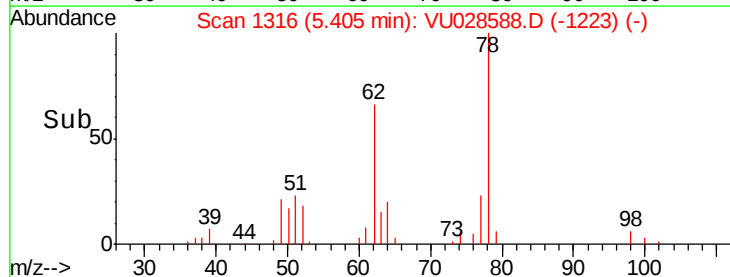
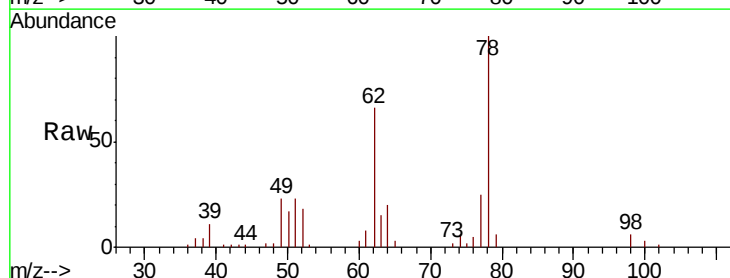
Manual Integrations
APPROVED

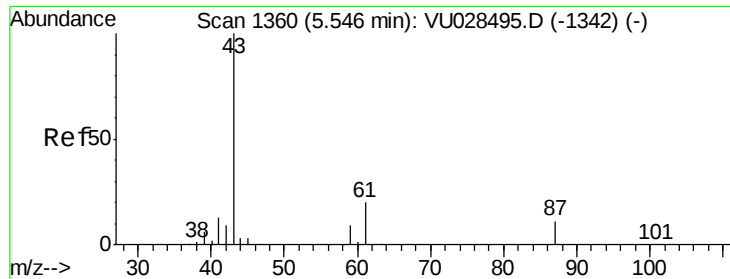
MMDadoda
12/11/2018 12:11:12 PM



#42
1,2-Dichloroethane
Concen: 21.696 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	0.0	17.2	





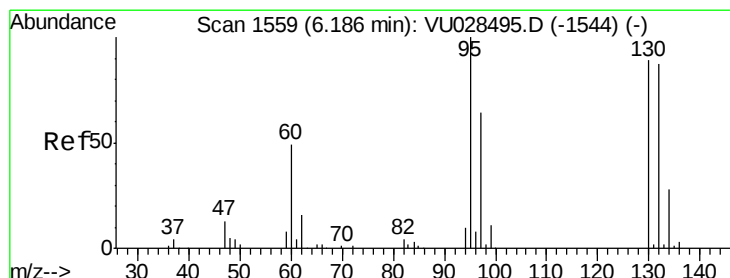
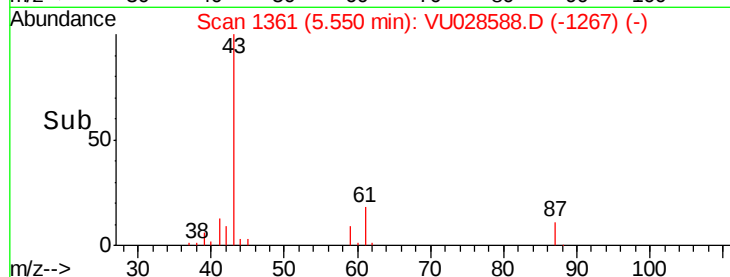
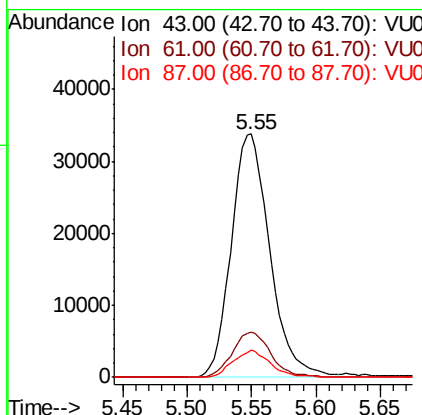
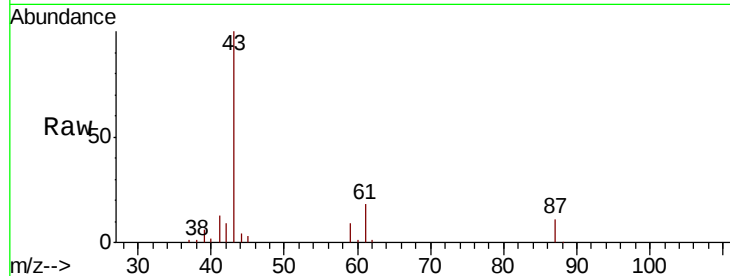
#43
Isopropyl Acetate
Concen: 21.781 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	43	61	87
Resp	69729		
Ratio	100	18.7	10.8
Lower		15.5	8.7
Upper		23.3	13.1

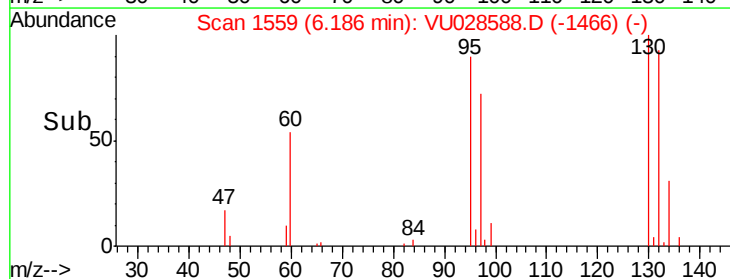
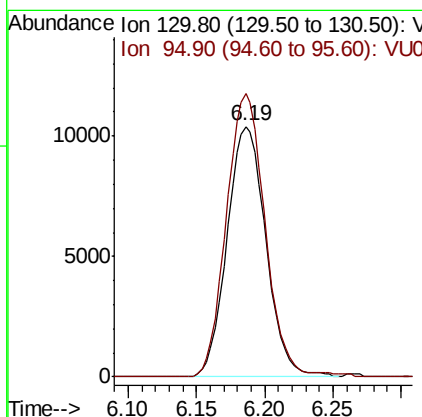
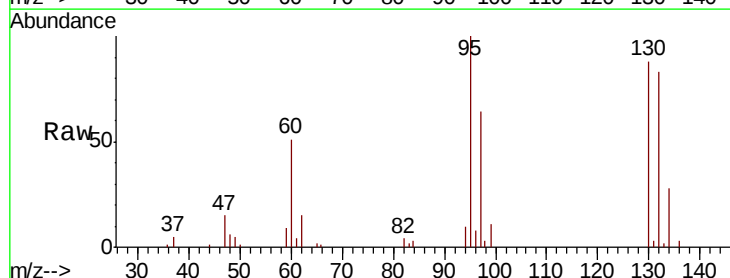
Manual Integrations
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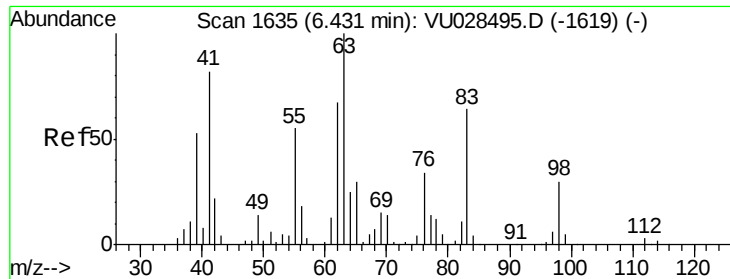
MMDadoda
12/11/2018 12:11:12 PM



#44
Trichloroethene
Concen: 20.065 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	130	95
Resp	20574	
Ratio	100	113.1
Lower		0.0
Upper		224.0





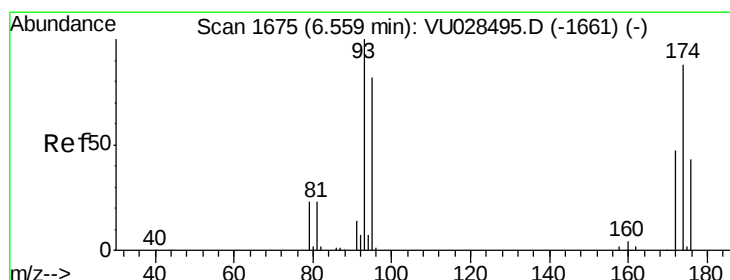
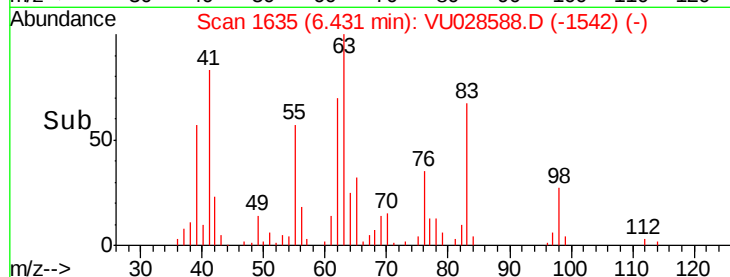
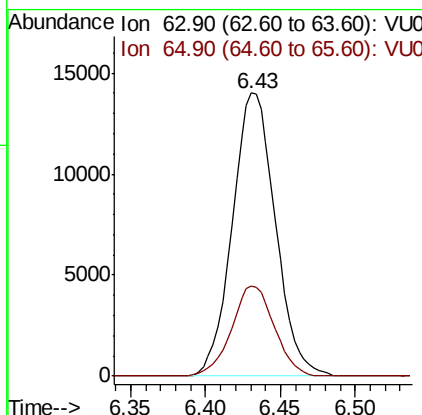
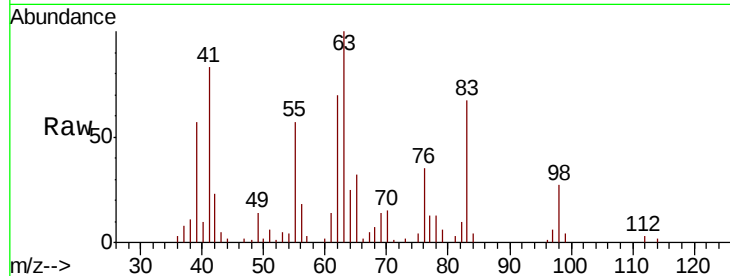
#45
 1,2-Dichloropropane
 Concen: 21.596 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion: 63 Resp: 28005
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.2 36.4

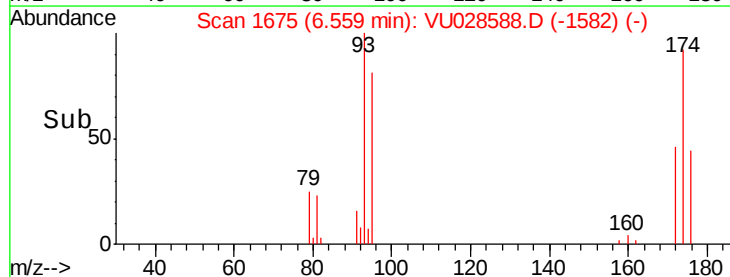
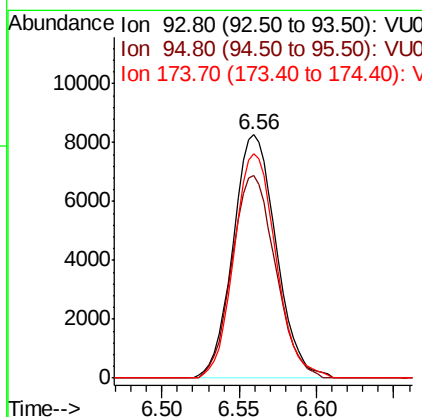
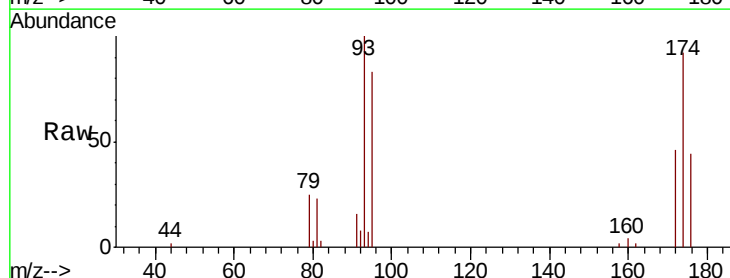
Manual Integrations
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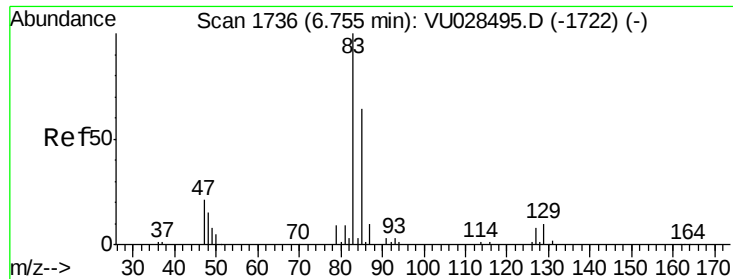
MMDadoda
 12/11/2018 12:11:12 PM



#46
 Dibromomethane
 Concen: 20.865 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion: 93 Resp: 16054
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.4 98.2
 174 89.5 72.2 108.4





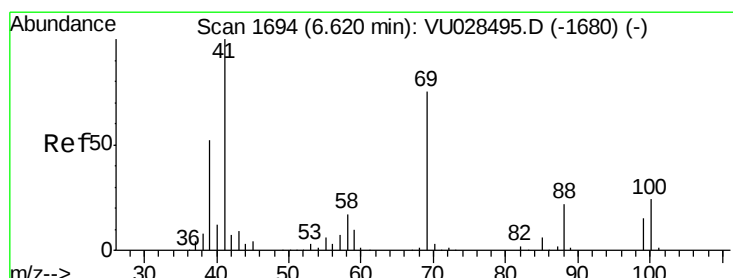
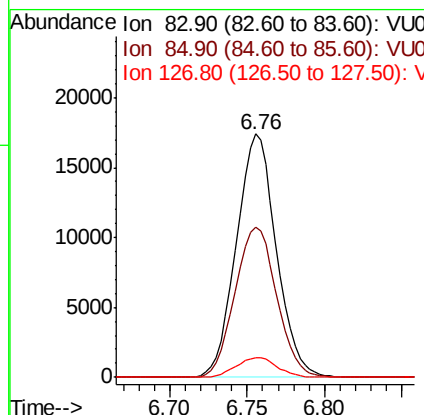
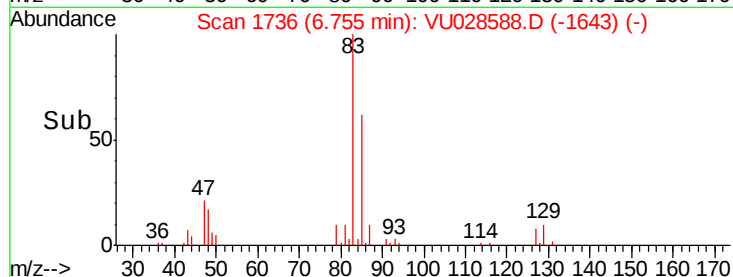
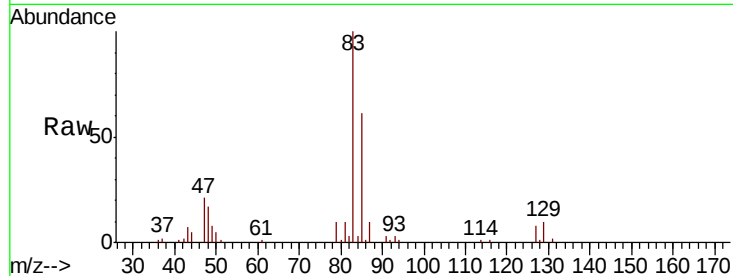
#47
Bromodichloromethane
Concen: 20.840 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	83	Resp	31203
Ion Ratio	100	Lower	Upper
83	100		
85	61.5	51.5	77.3
127	8.0	6.2	9.4

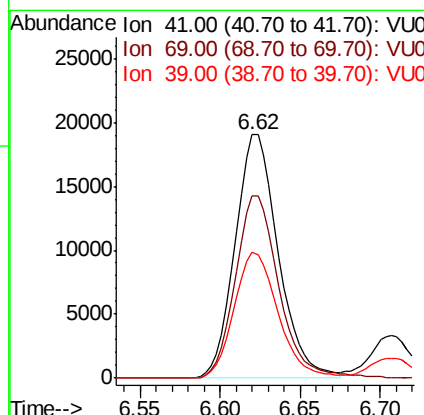
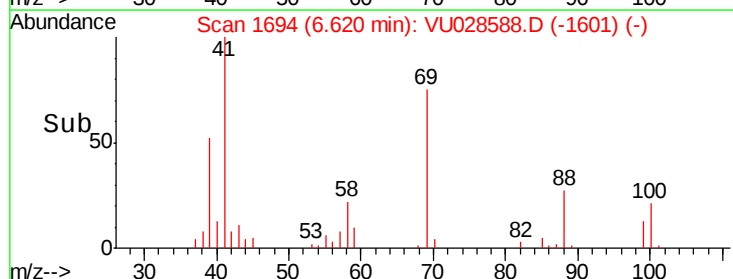
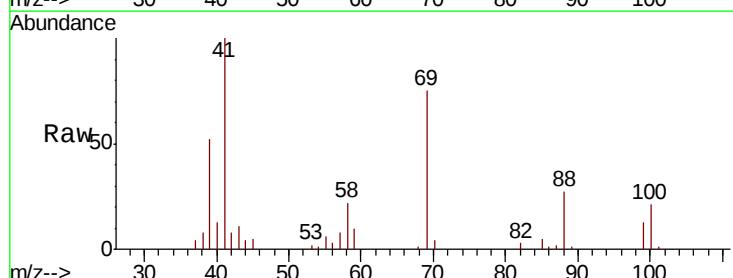
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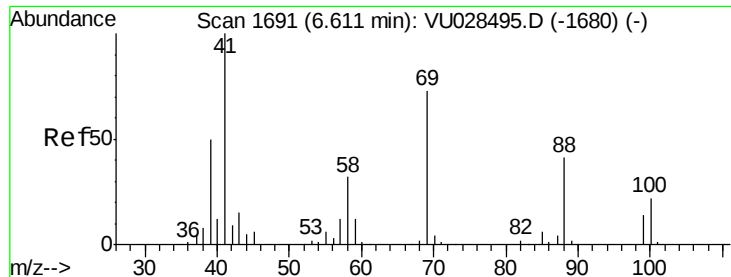
MMDadoda
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#48
Methyl methacrylate
Concen: 22.089 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	41	Resp	35168
Ion Ratio	100	Lower	Upper
41	100		
69	75.1	60.4	90.6
39	52.4	41.1	61.7





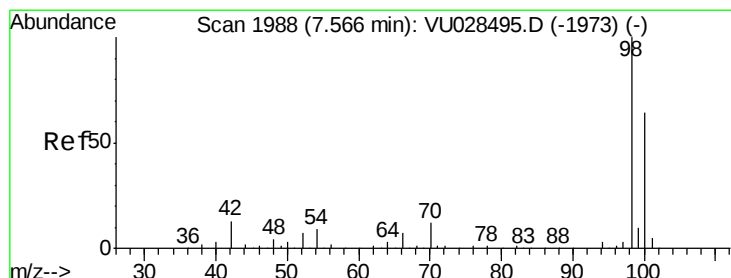
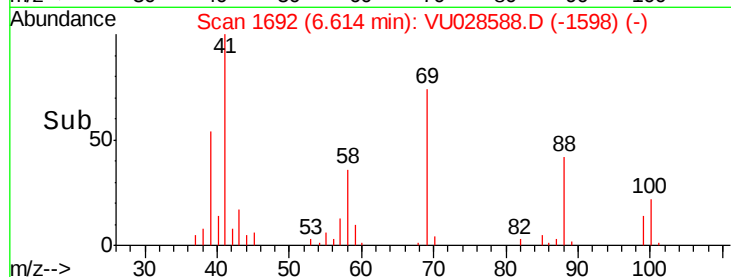
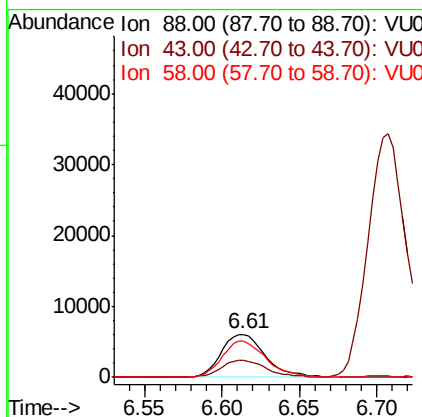
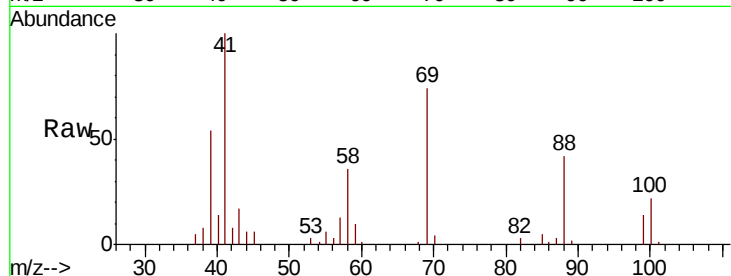
#49
1,4-Dioxane
Concen: 478.668 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.6	30.9	46.3
58	83.7	62.4	93.6

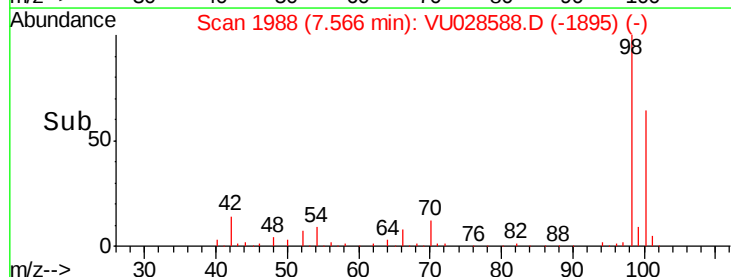
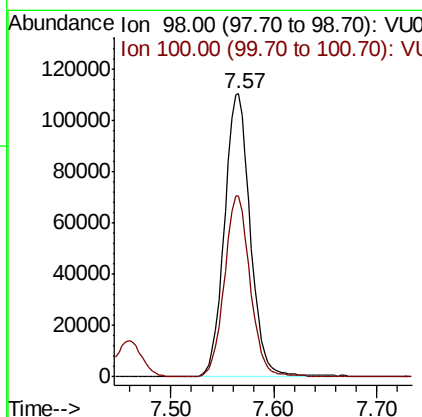
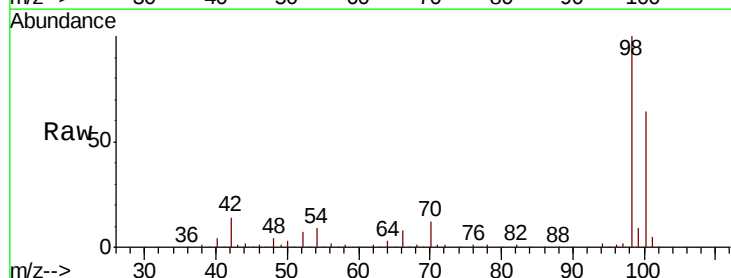
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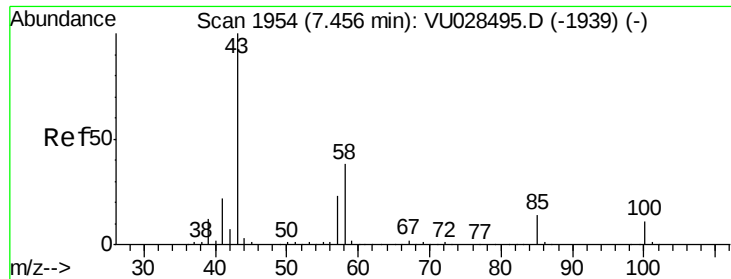
MMDadoda
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#50
Toluene-d8
Concen: 54.155 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 113.391 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion: 43 Resp: 228957

Ion Ratio Lower Upper

43 100

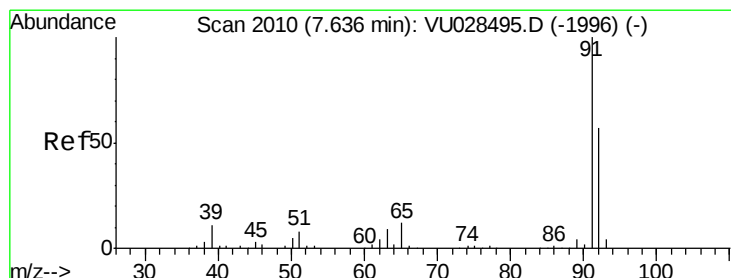
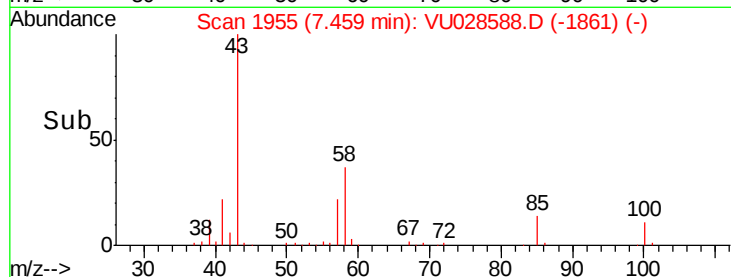
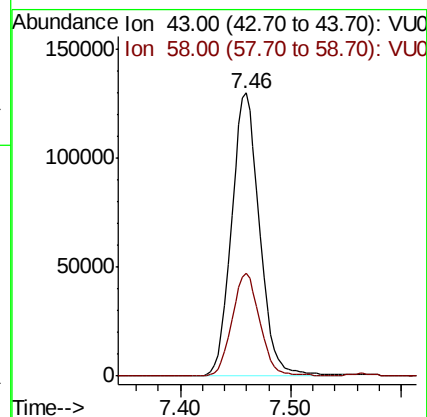
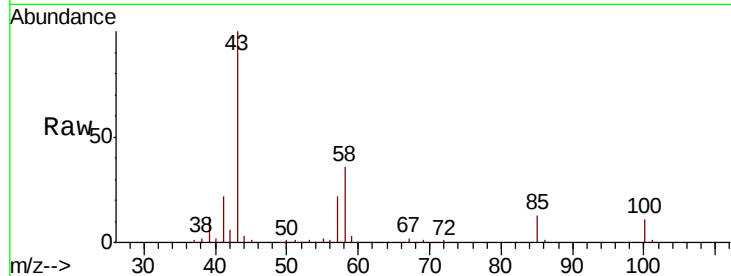
58 36.1 30.2 45.2

Manual Integrations

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#52

Toluene

Concen: 20.644 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028588.D

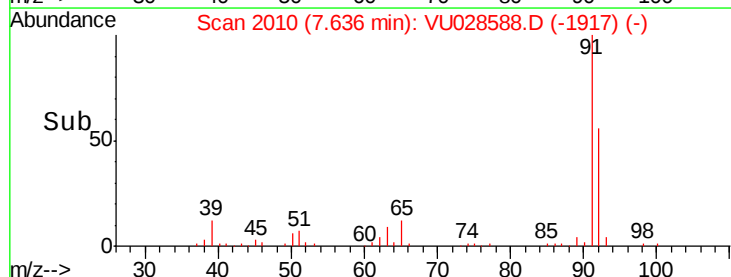
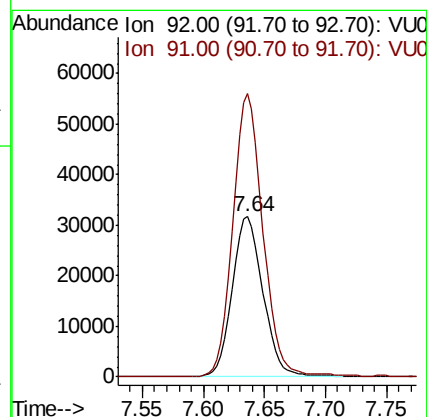
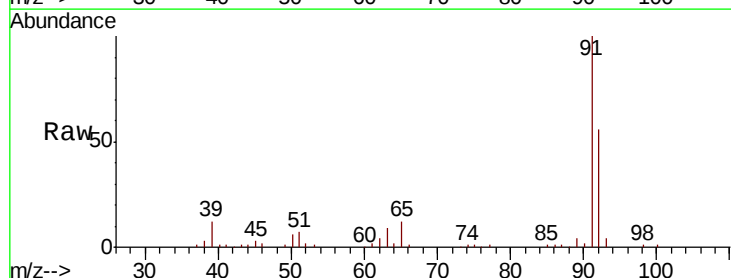
Acq: 11 Dec 2018 06:53

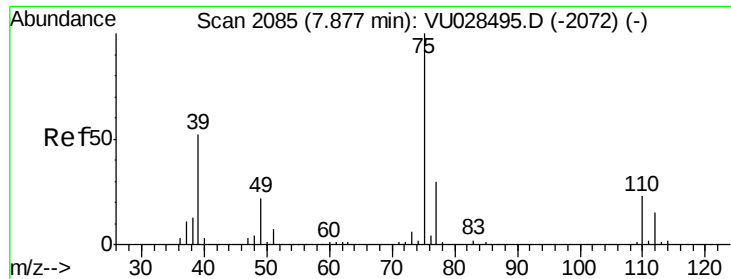
Tgt Ion: 92 Resp: 56026

Ion Ratio Lower Upper

92 100

91 172.3 140.2 210.4





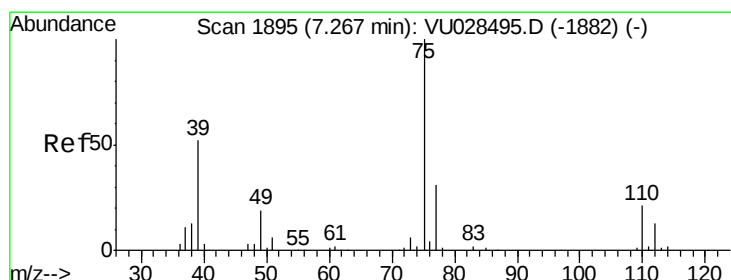
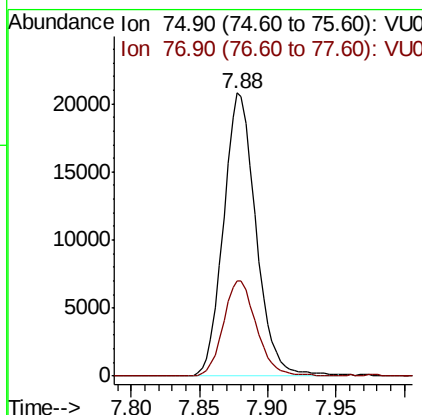
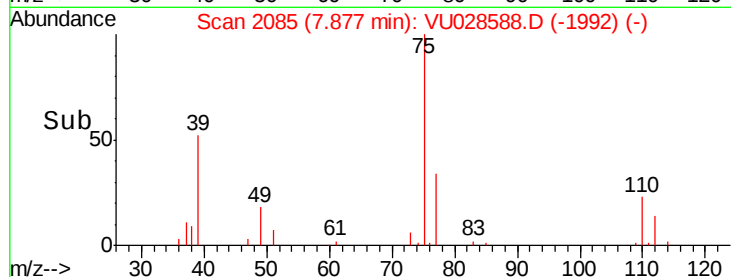
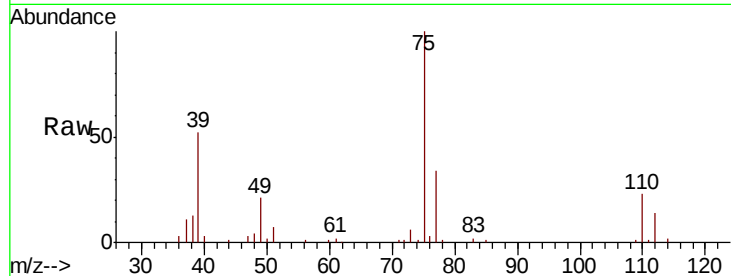
#53
t-1,3-Dichloropropene
Concen: 19.323 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion: 75 Resp: 34456
Ion Ratio Lower Upper
75 100
77 33.7 24.2 36.4

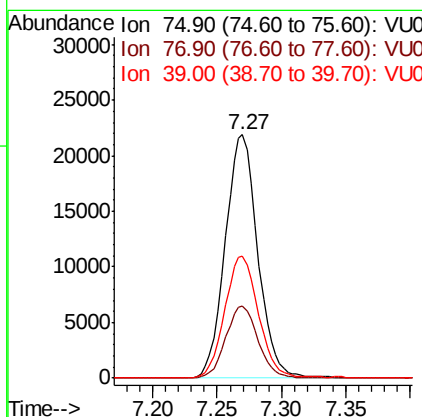
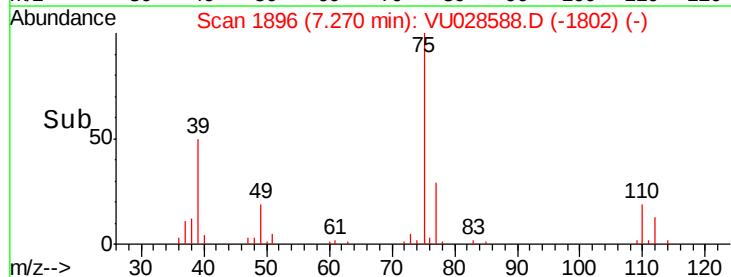
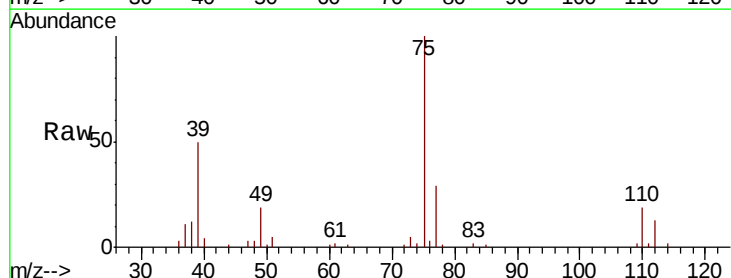
Manual Integrations
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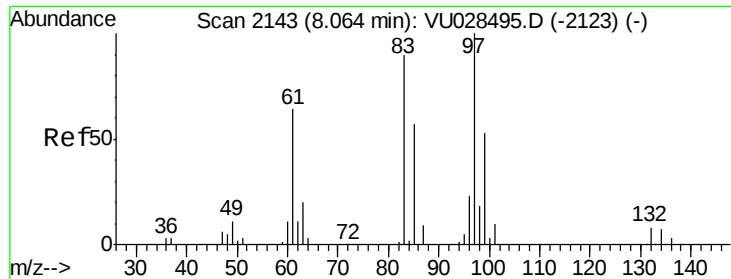
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.785 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 75 Resp: 38277
Ion Ratio Lower Upper
75 100
77 29.4 25.0 37.4
39 50.0 41.3 61.9





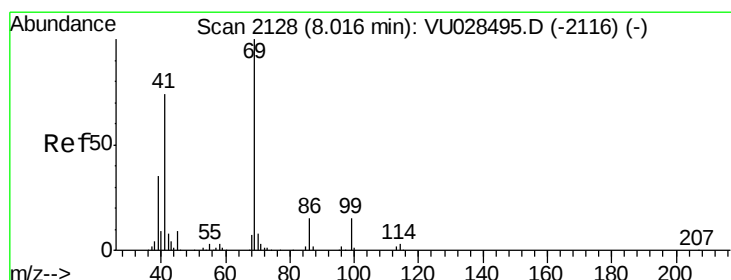
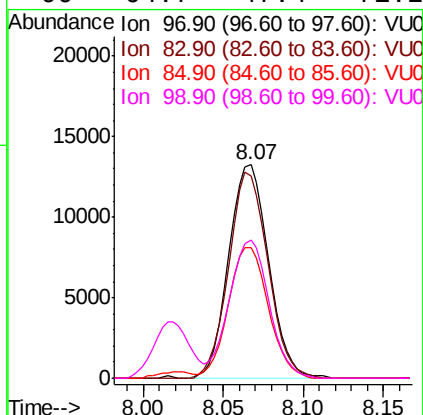
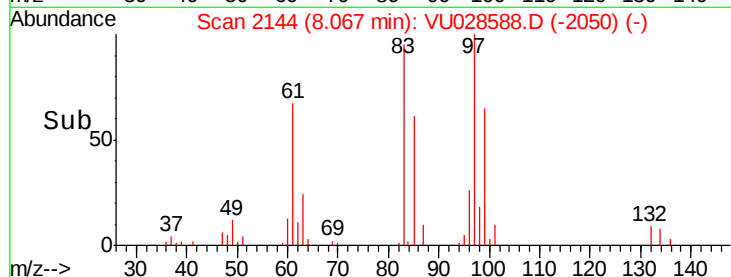
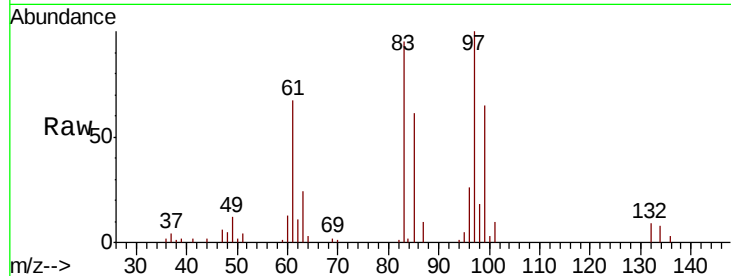
#55
 1,1,2-Trichloroethane
 Concen: 21.013 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	94.8	72.4	108.6
85	61.0	46.0	69.0
99	64.7	47.4	71.2

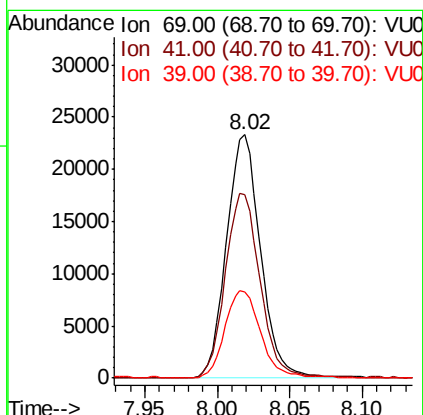
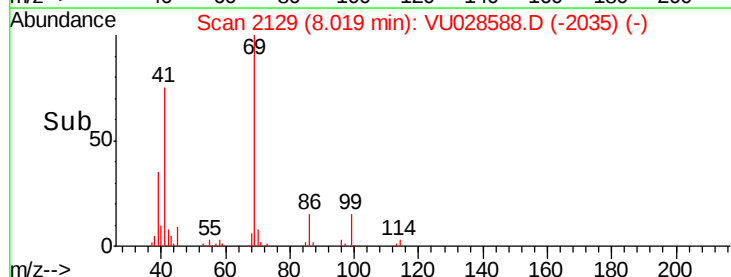
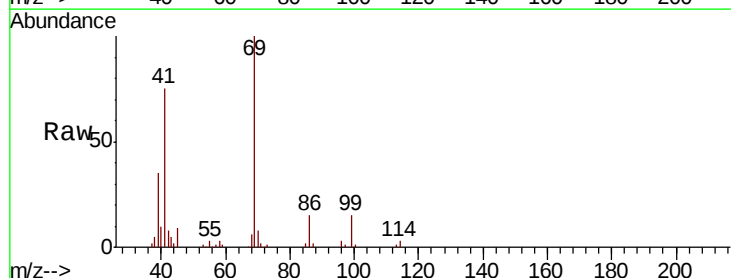
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#56
 Ethyl methacrylate
 Concen: 20.721 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.8	59.1	88.7
39	37.4	28.4	42.6





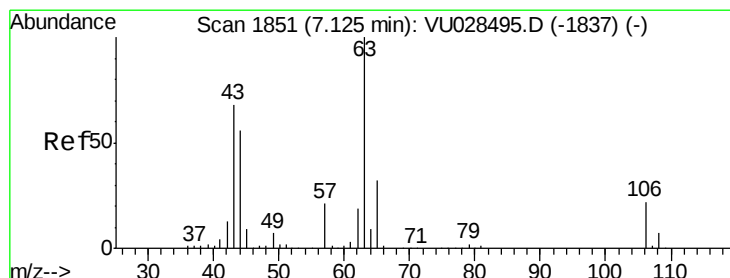
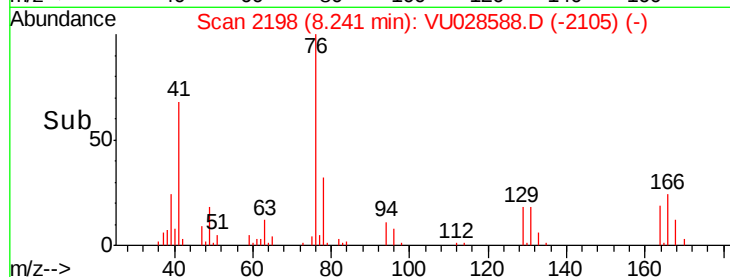
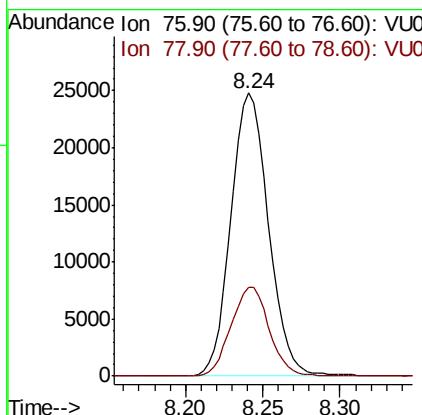
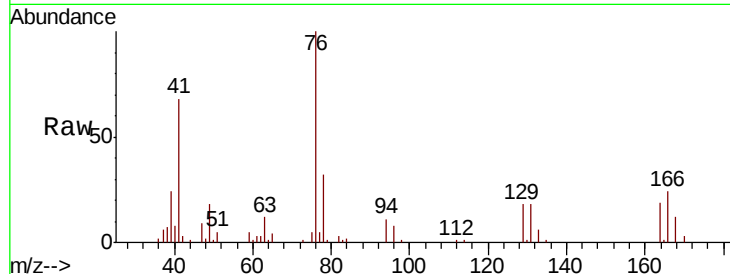
#57
 1,3-Dichloropropane
 Concen: 21.017 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion	76	Resp	41855
Ion Ratio	100	Lower	Upper
76	100		
78	31.8	25.2	37.8

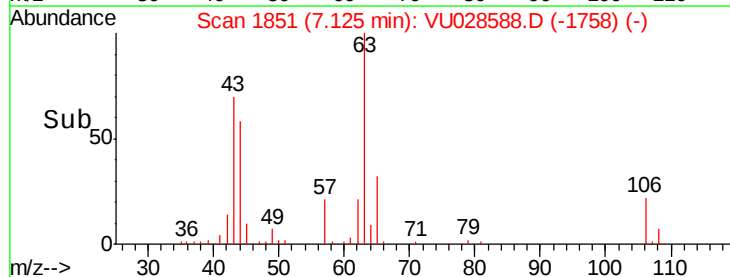
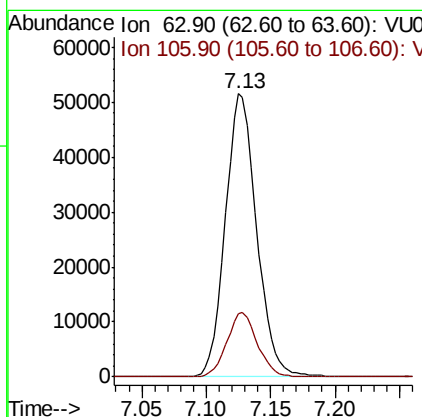
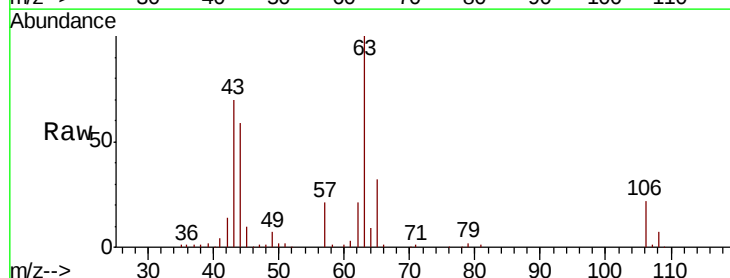
Manual Integrations
 APPROVED

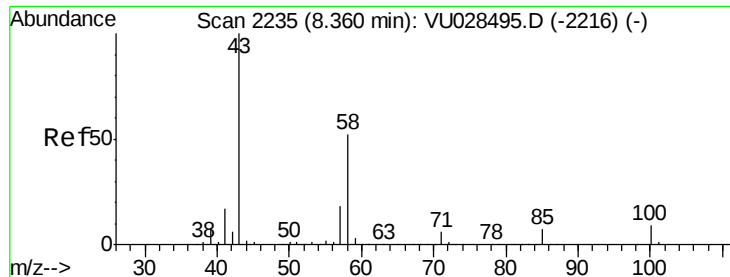
MMDadoda
 12/11/2018 12:11:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.280 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion	63	Resp	86834
Ion Ratio	100	Lower	Upper
63	100		
106	22.2	17.8	26.6





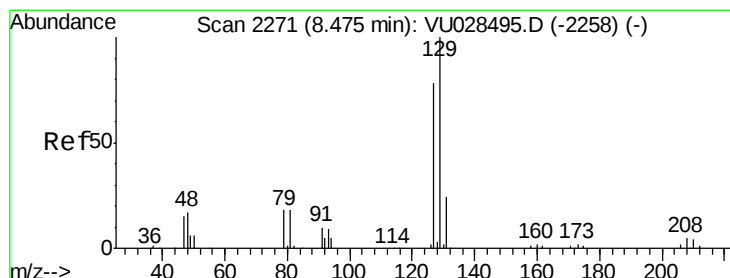
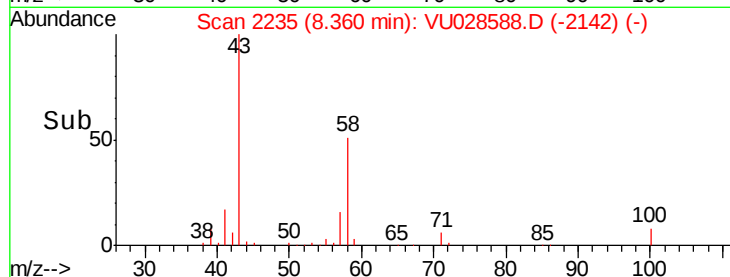
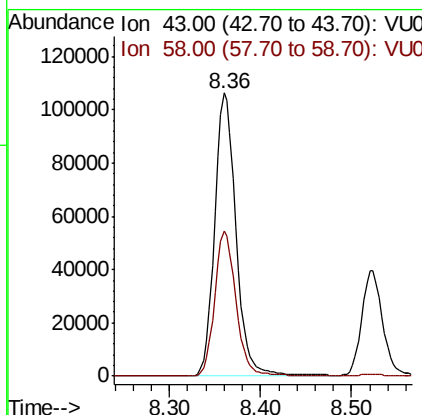
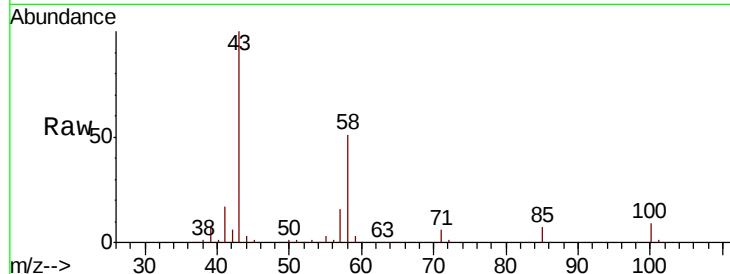
#59
2-Hexanone
Concen: 108.504 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion: 43 Resp: 173651
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6

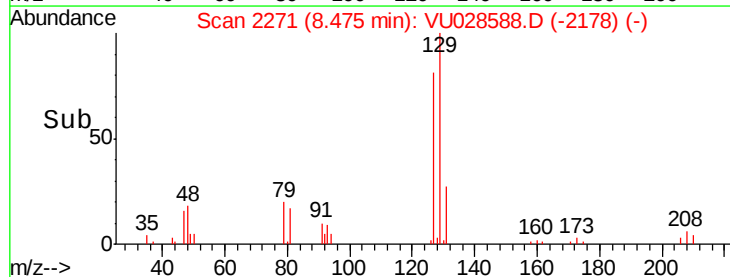
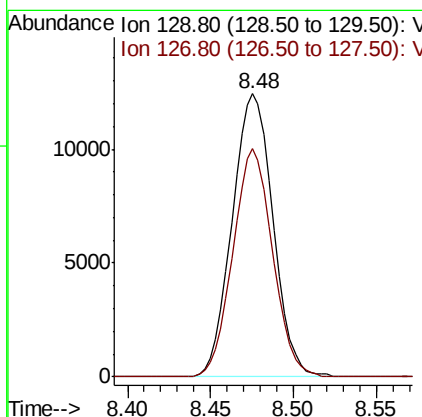
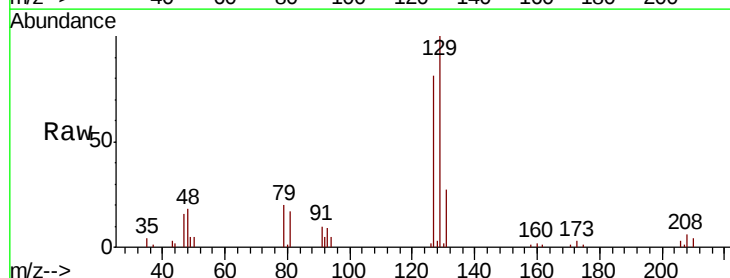
Manual Integrations
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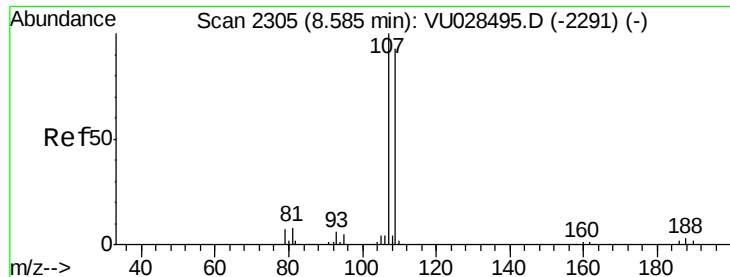
MMDadoda
12/11/2018 12:11:12 PM



#60
Dibromochloromethane
Concen: 20.217 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 129 Resp: 21235
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.3





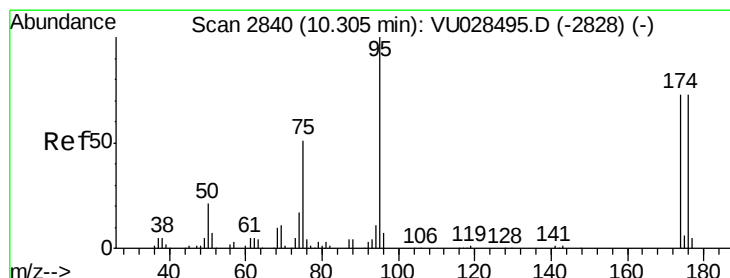
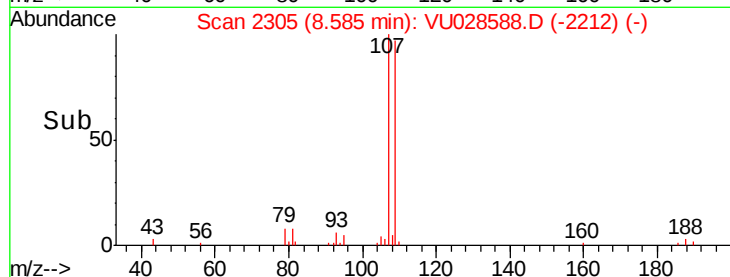
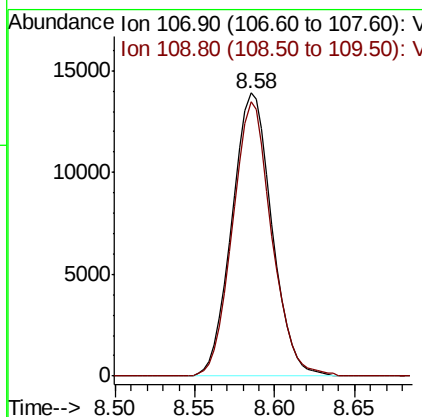
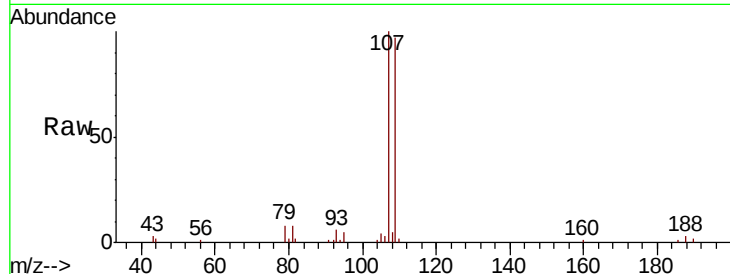
#61
 1,2-Dibromoethane
 Concen: 20.977 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.5	111.7

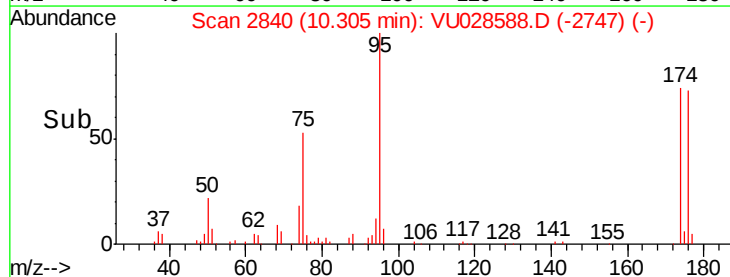
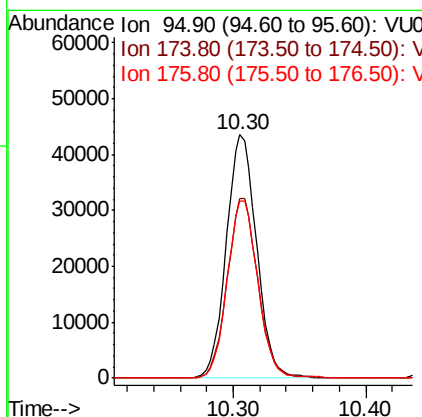
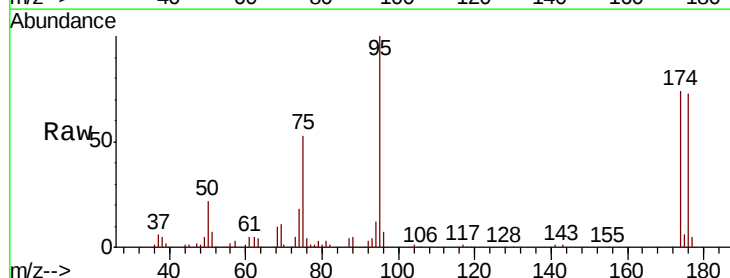
Manual Integrations
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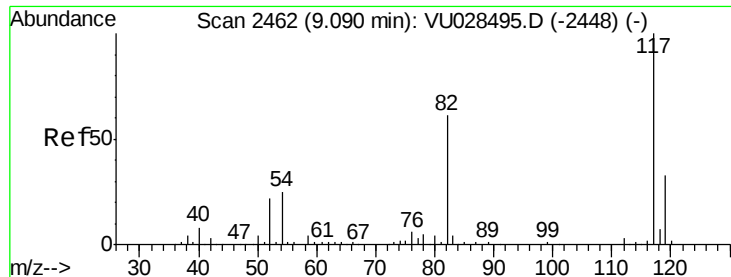
MMDadoda
 12/11/2018 12:11:12 PM



#62
 4-Bromofluorobenzene
 Concen: 51.980 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	150.4
176	73.4	0.0	145.2





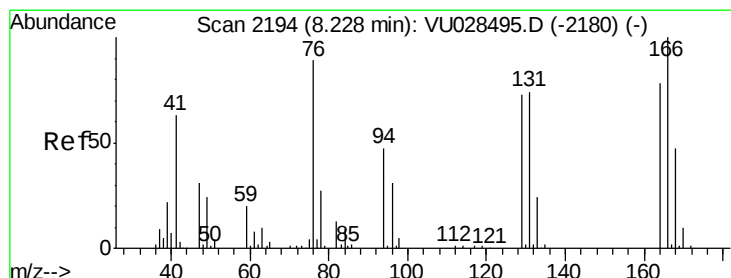
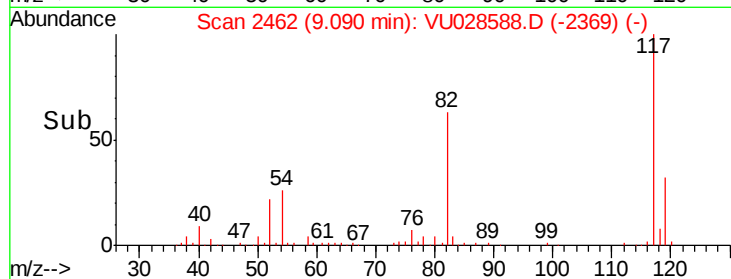
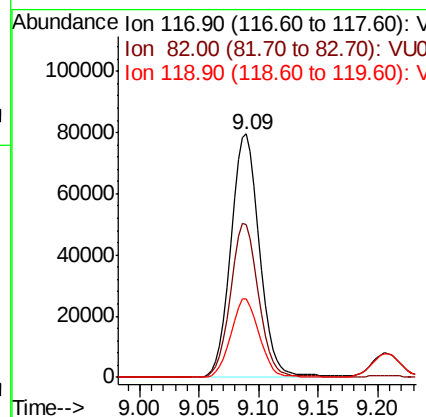
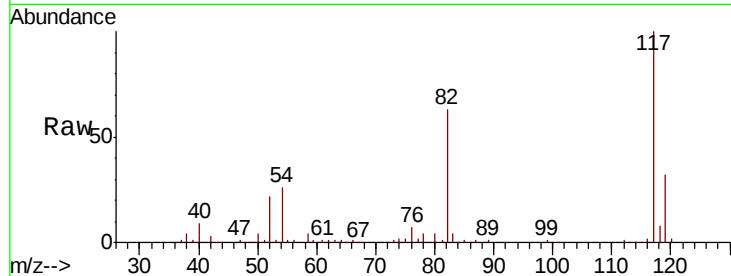
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.8	48.9	73.3
119	32.1	26.2	39.4

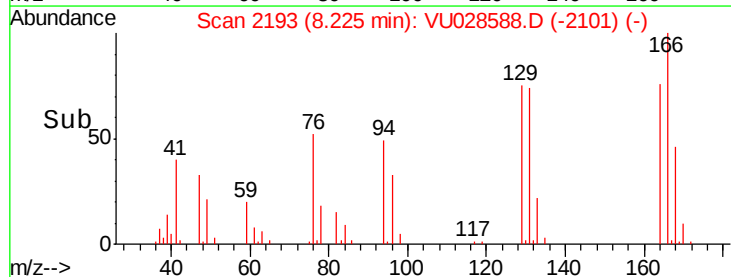
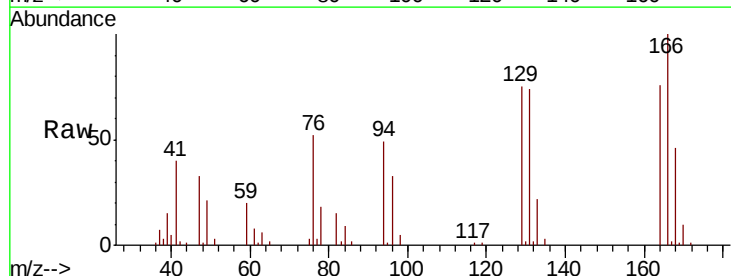
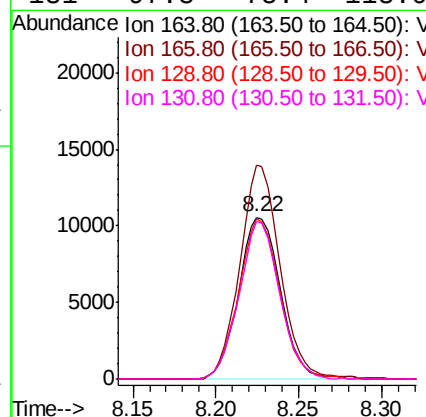
Manual Integrations
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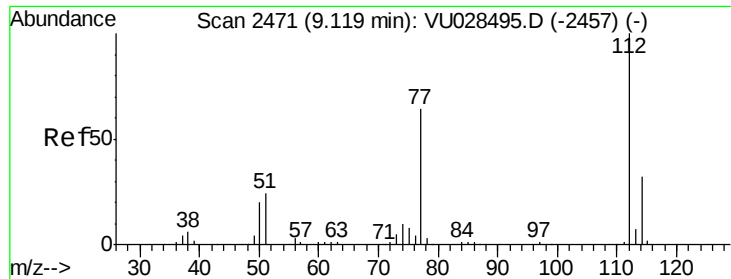
MMDadoda
12/11/2018 12:11:12 PM



#64
Tetrachloroethene
Concen: 20.937 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	101.9	152.9
129	98.9	74.9	112.3
131	97.8	75.4	113.0





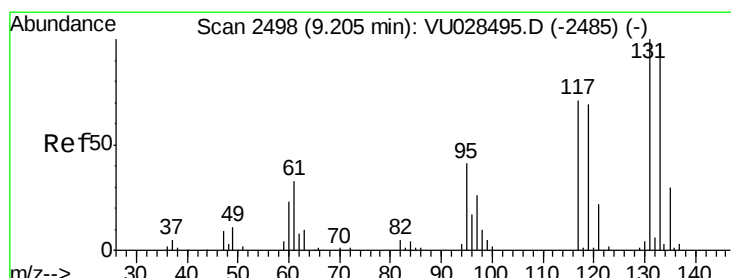
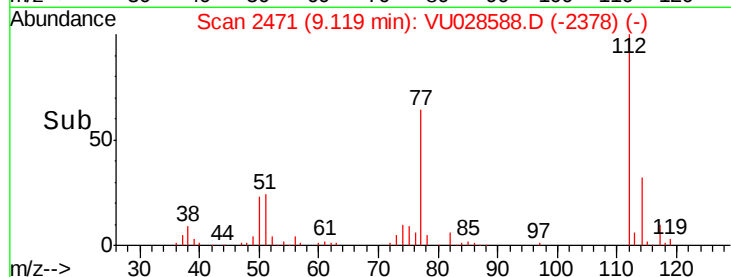
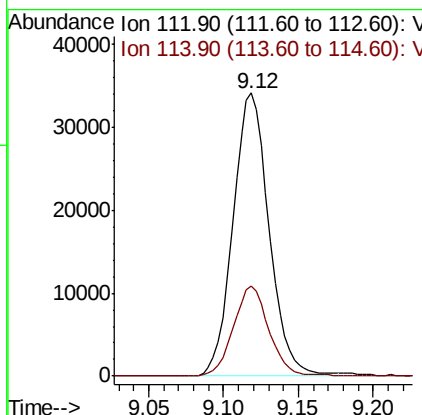
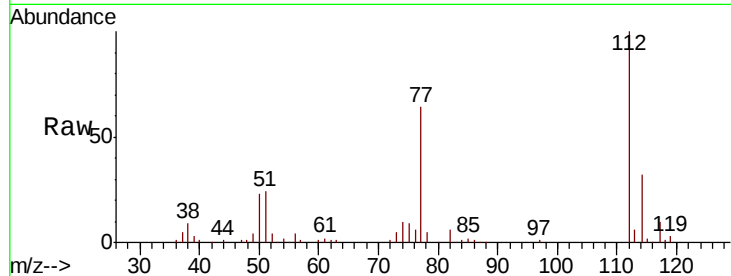
#65
Chlorobenzene
Concen: 20.241 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion:112 Resp: 57258
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

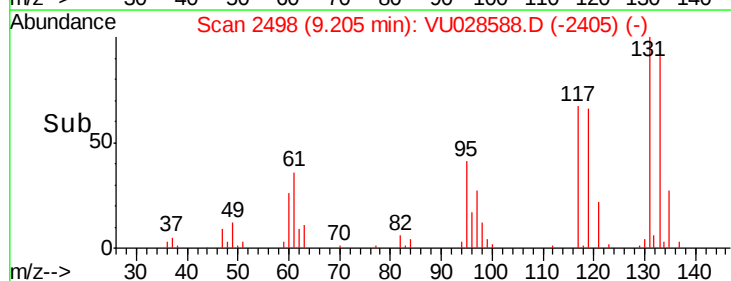
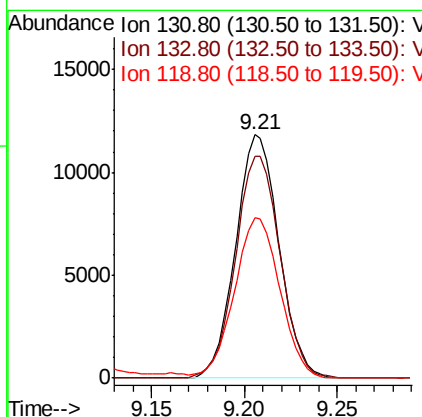
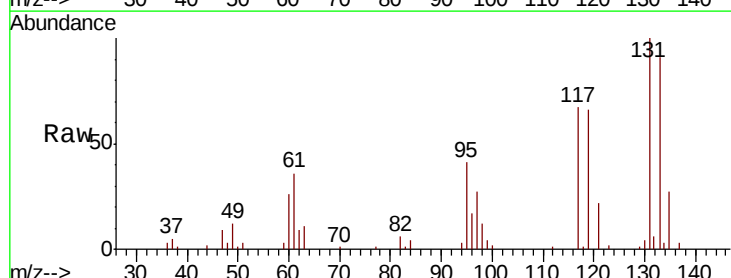
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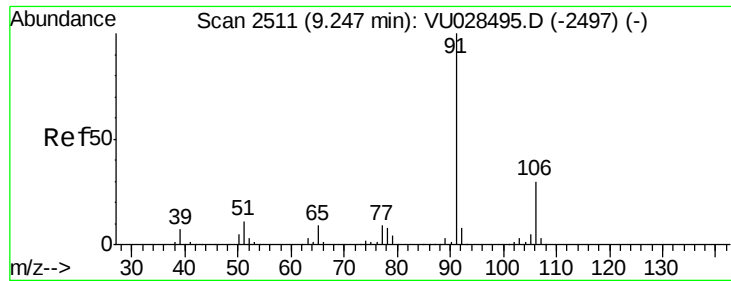
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.295 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion:131 Resp: 19236
Ion Ratio Lower Upper
131 100
133 93.7 48.0 144.0
119 69.3 34.6 103.9





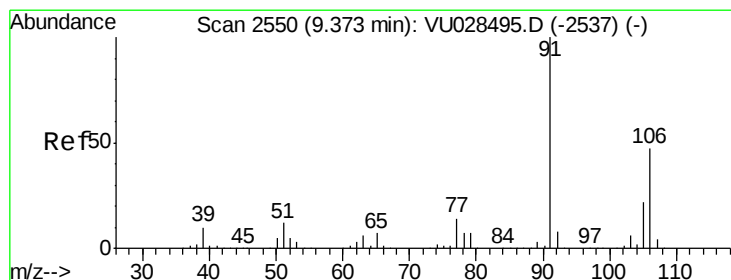
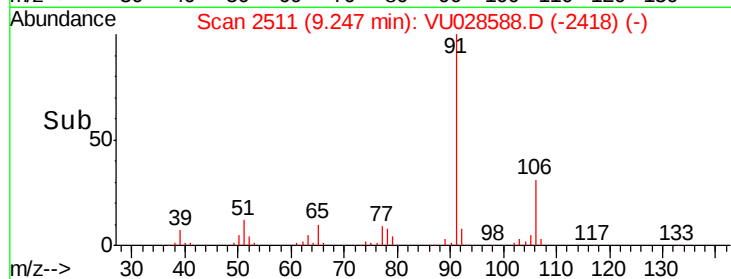
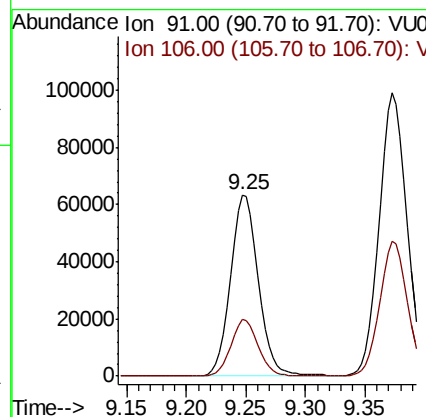
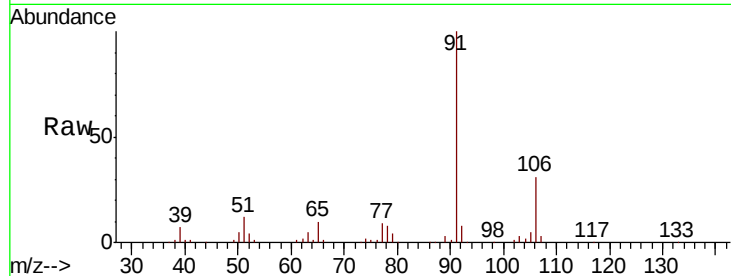
#67
Ethyl Benzene
Concen: 19.781 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion: 91 Resp: 102866
Ion Ratio Lower Upper
91 100
106 31.2 24.1 36.1

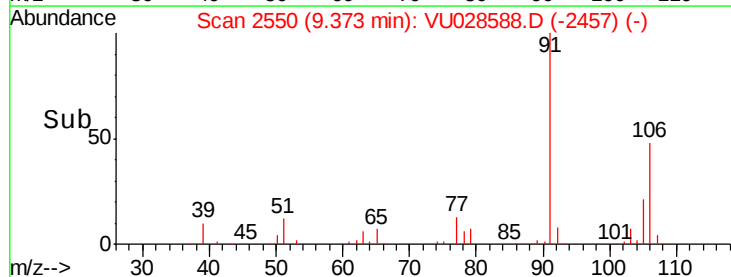
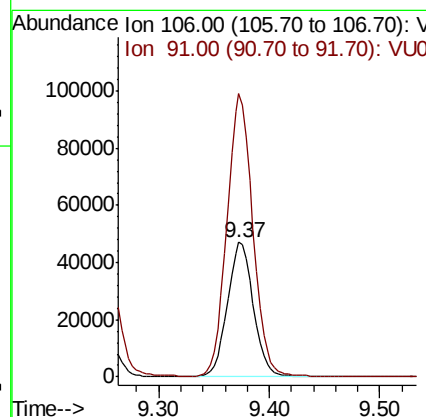
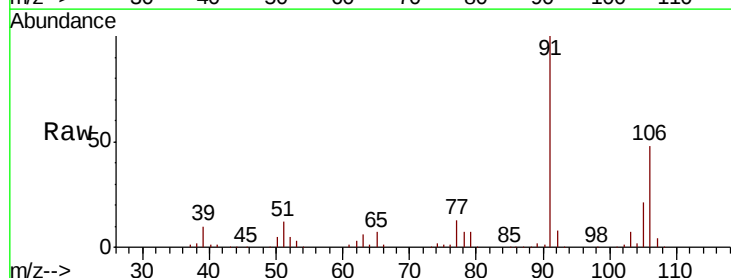
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#68
m/p-Xylenes
Concen: 40.733 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 106 Resp: 77074
Ion Ratio Lower Upper
106 100
91 207.6 167.4 251.0





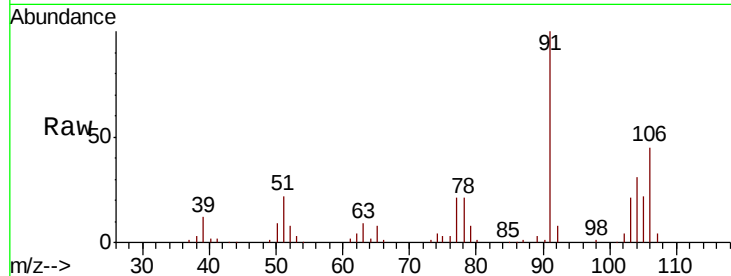
#69
o-Xylene
Concen: 20.457 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

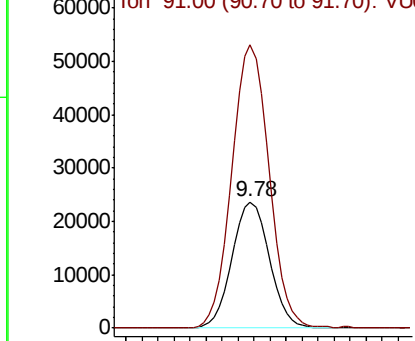
Tot Ion:106 Resp: 37617
Ion Ratio Lower Upper
106 100
91 223.3 111.3 334.0

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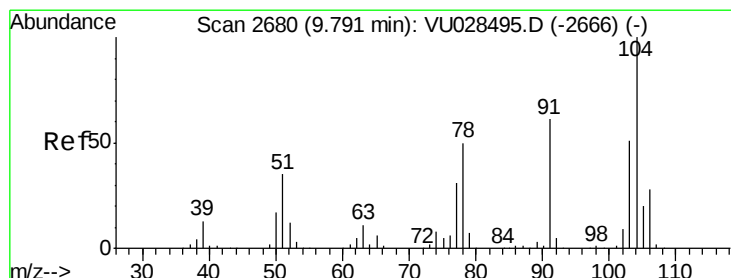
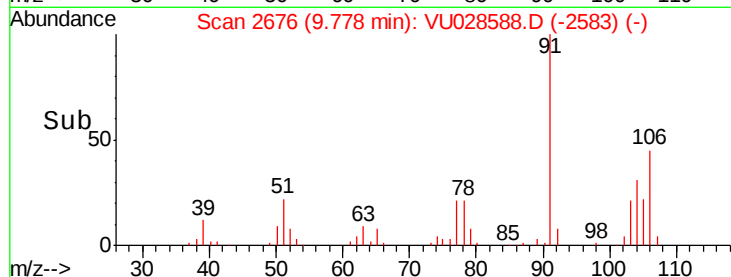
MMDadoda
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

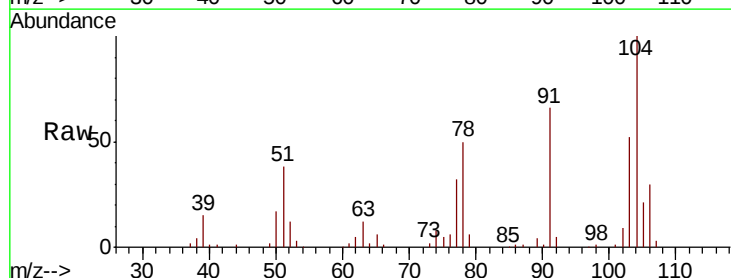


Time-->

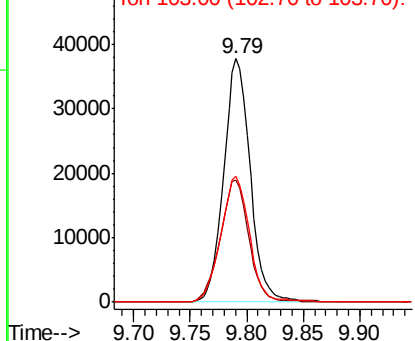


#70
Styrene
Concen: 20.245 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

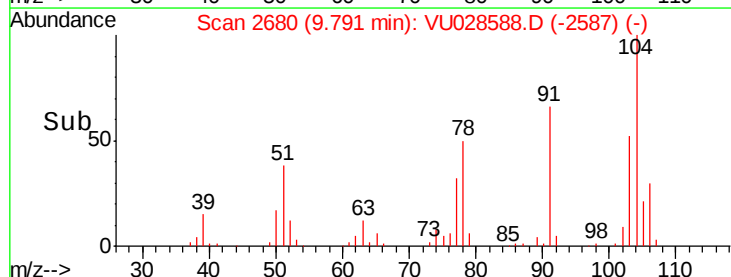
Tgt Ion:104 Resp: 61609
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 55.8 44.2 66.4

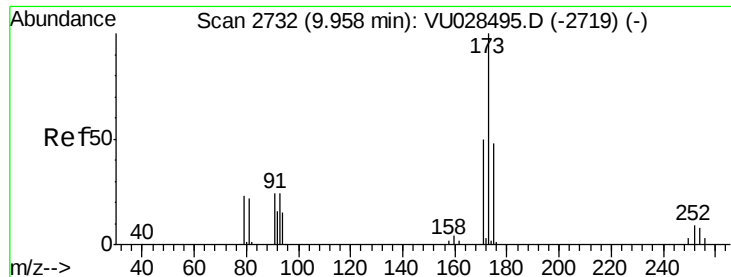


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 20.980 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

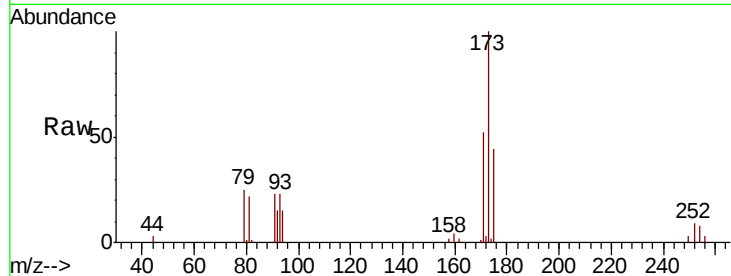
ClientSampleId :

VU1211WBSD02

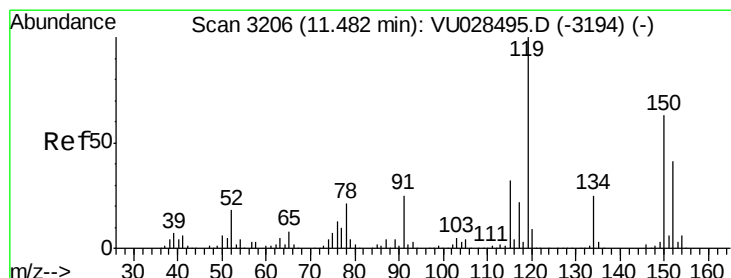
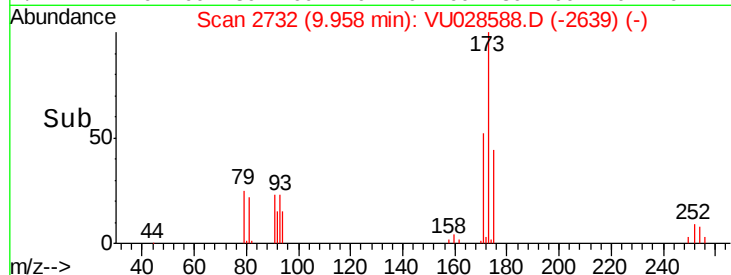
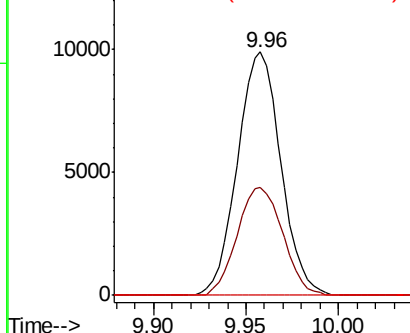
Tot Ion:	173	Resp:	16122
Ion Ratio	Lower	Upper	
173	100		
175	46.3	23.9	71.8
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

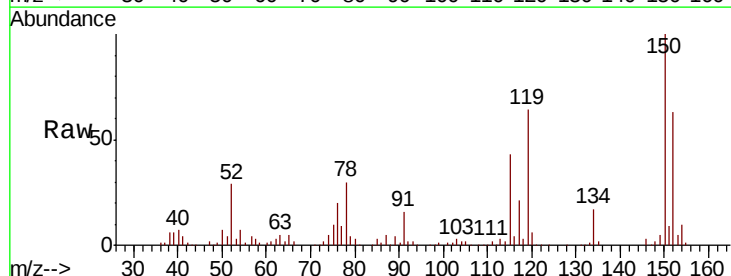
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

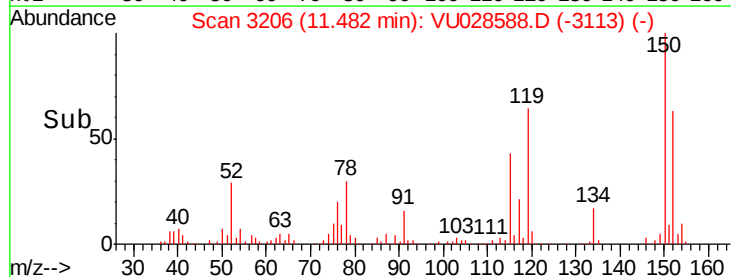
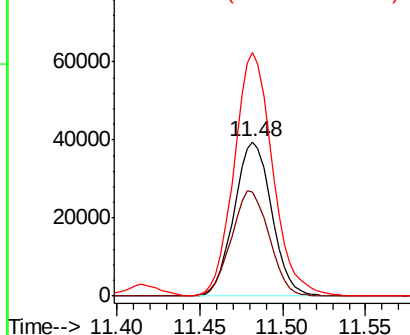
Lab File: VU028588.D

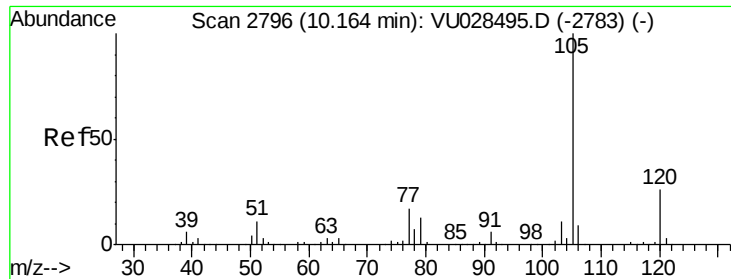
Acq: 11 Dec 2018 06:53

Tgt Ion:	152	Resp:	62327
Ion Ratio	Lower	Upper	
152	100		
115	69.0	42.7	128.1
150	161.9	0.0	346.0



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





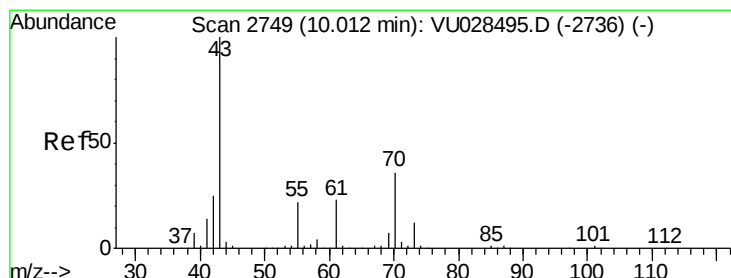
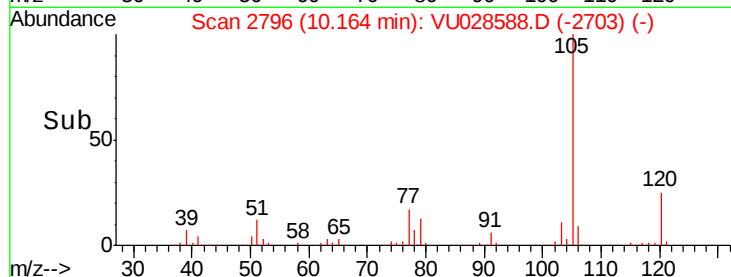
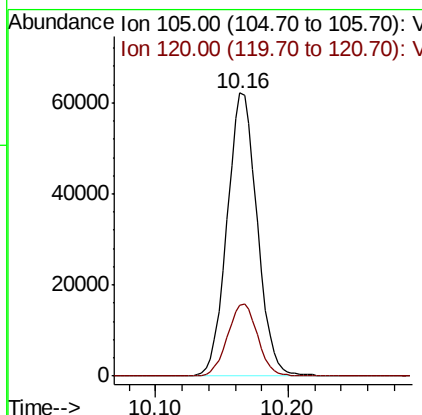
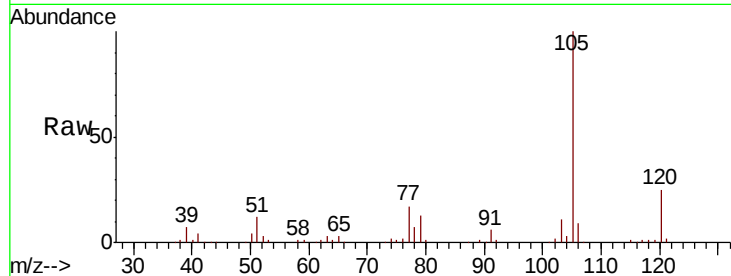
#73
Isopropylbenzene
Concen: 20.469 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion:105 Resp: 97895
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6

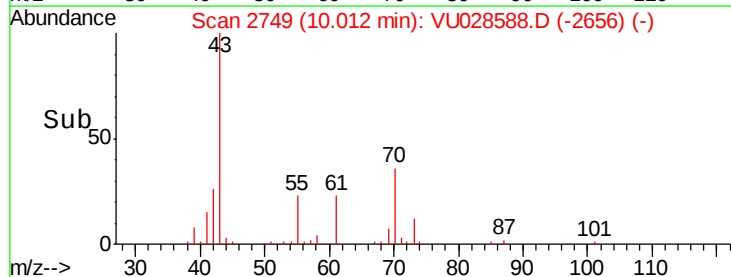
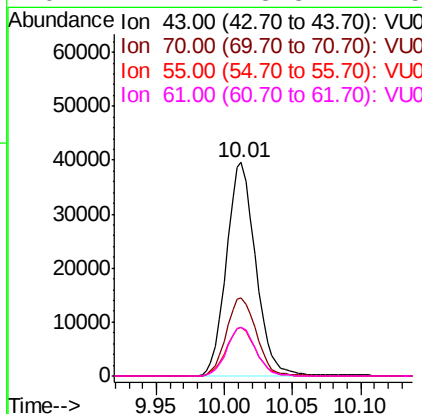
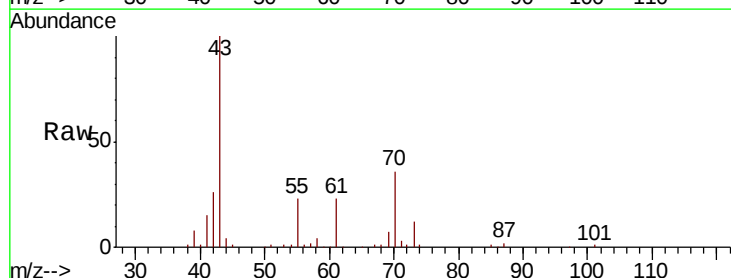
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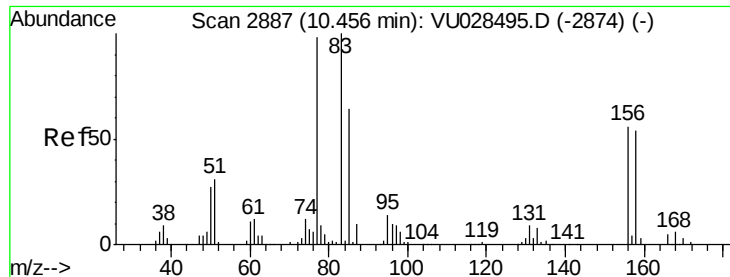
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#74
N-ethyl acetate
Concen: 21.440 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 43 Resp: 59148
Ion Ratio Lower Upper
43 100
70 37.3 29.3 43.9
55 23.1 18.0 27.0
61 22.4 18.3 27.5





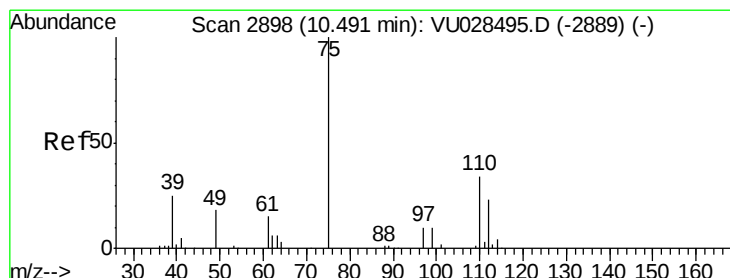
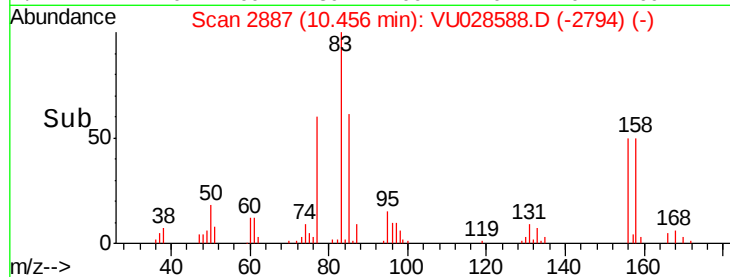
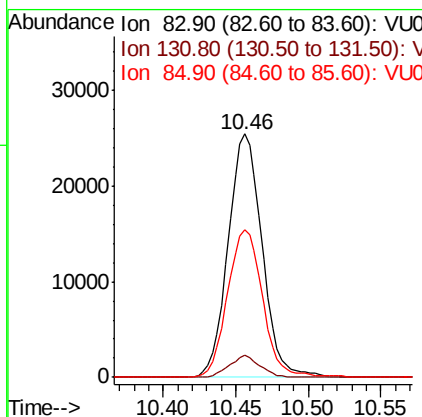
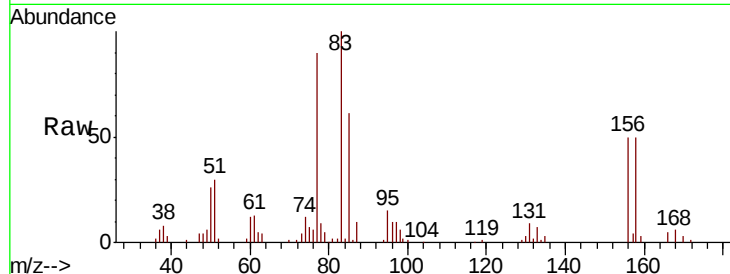
#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.524 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion	83	Resp	41381
Ion Ratio	100	Lower	Upper
83	100		
131	8.0	4.2	12.4
85	62.7	31.8	95.4

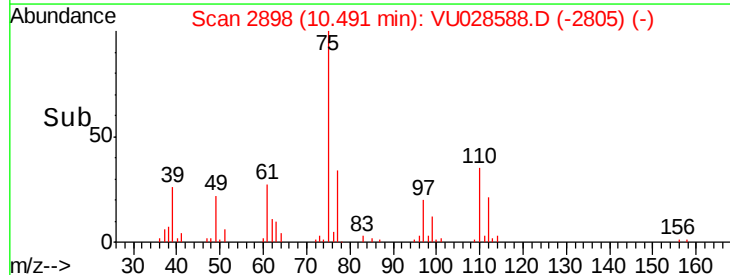
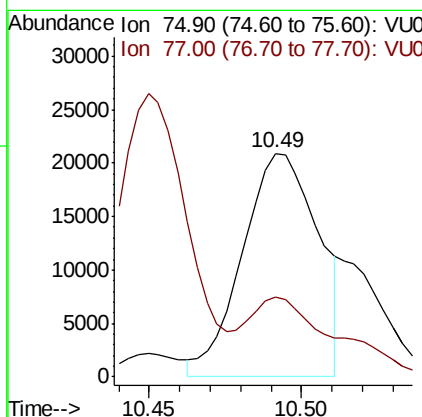
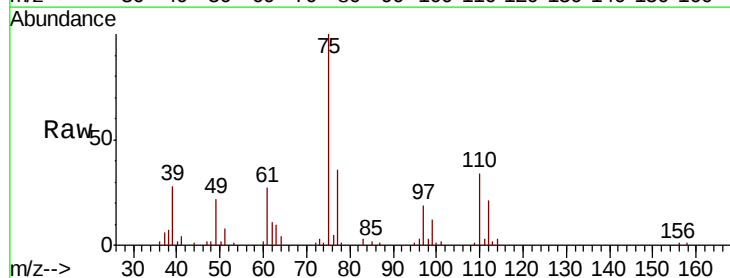
Manual Integrations
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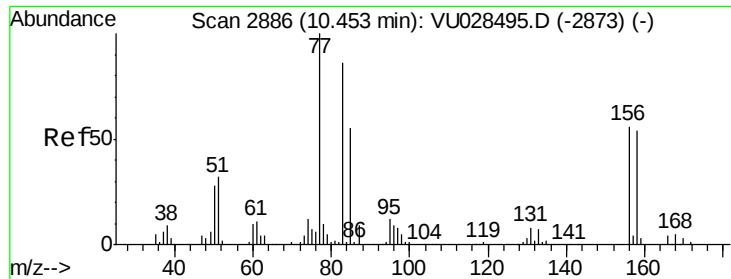
MMDadoda
 12/11/2018 12:11:12 PM



#76
 1,2,3-Trichloropropane
 Concen: 22.741 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion	75	Resp	36193
Ion Ratio	100	Lower	Upper
75	100		
77	41.0	20.8	62.4





#77

Bromobenzene

Concen: 20.901 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion:156 Resp: 23378

Ion Ratio Lower Upper

156 100

77 183.3 92.4 277.2

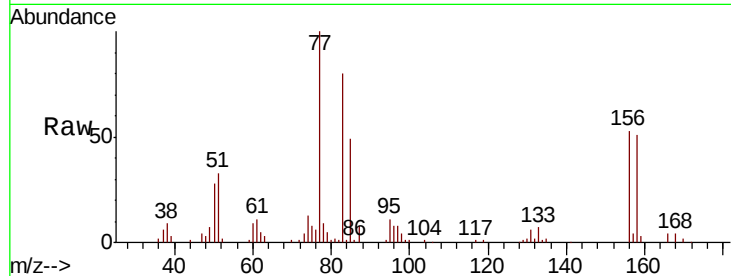
158 96.5 48.4 145.3

Manual Integrations

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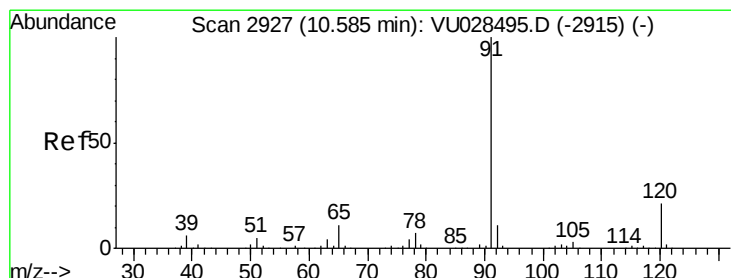
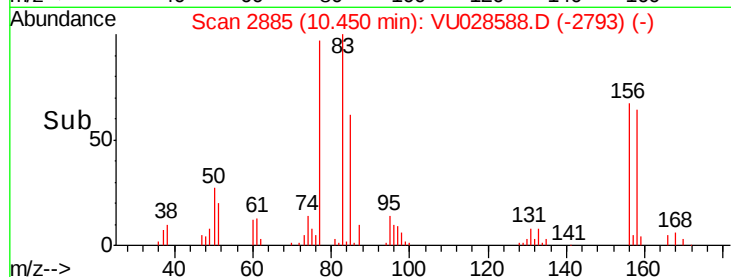
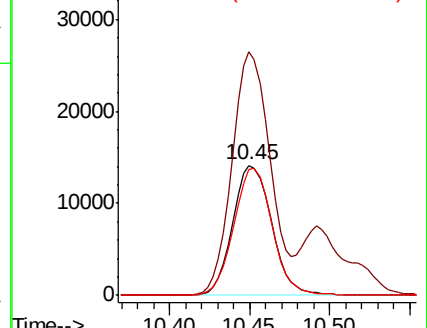
12/11/2018 12:11:12 PM



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: 20.195 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028588.D

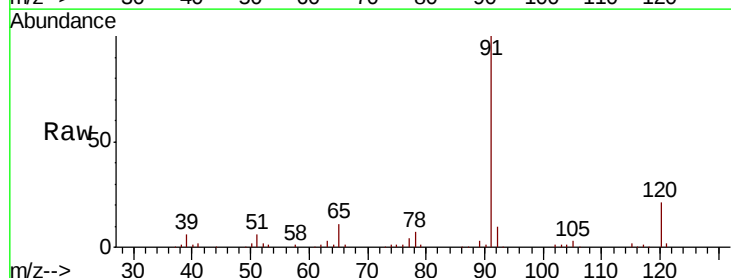
Acq: 11 Dec 2018 06:53

Tgt Ion: 91 Resp: 120013

Ion Ratio Lower Upper

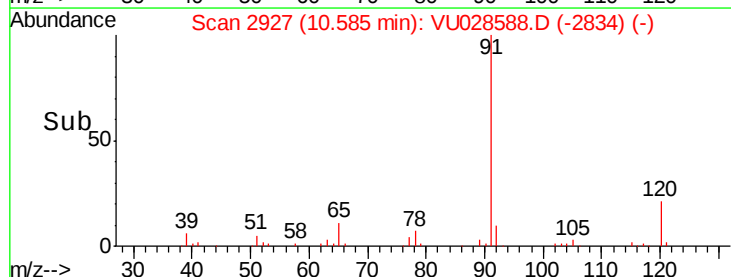
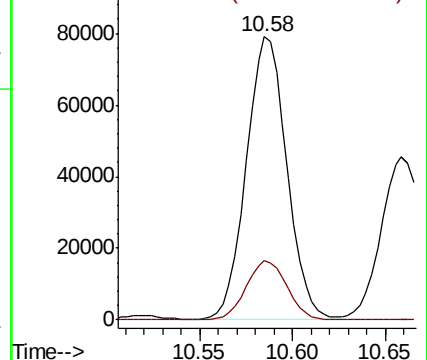
91 100

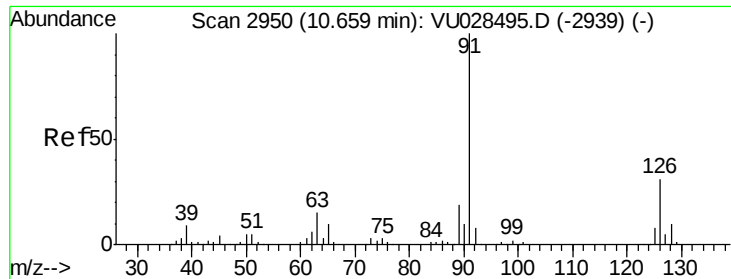
120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





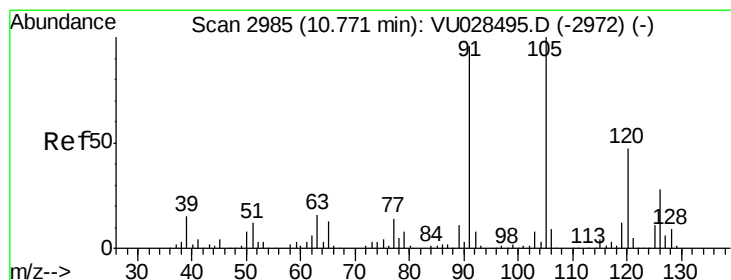
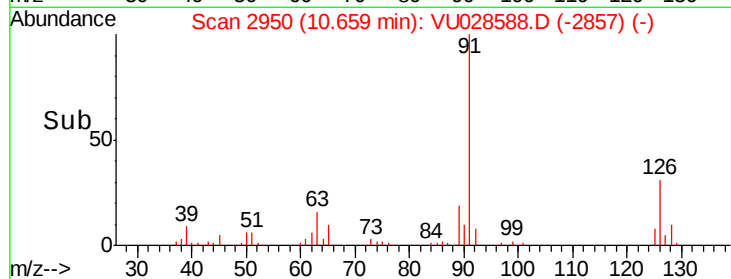
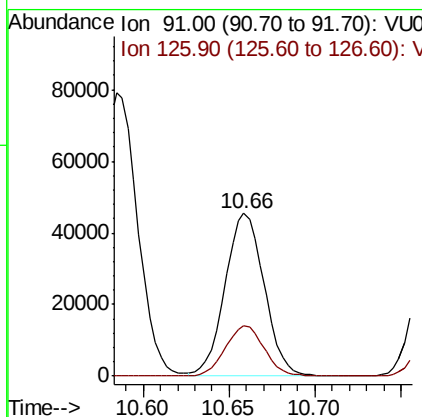
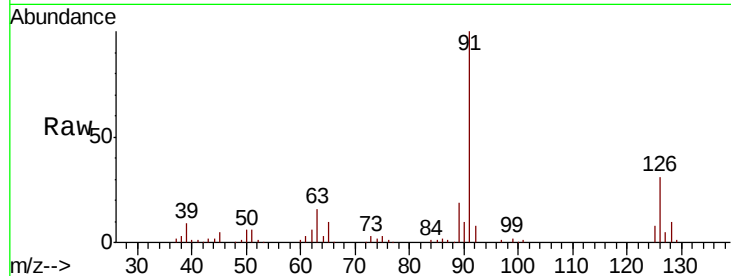
#79
2-Chlorotoluene
Concen: 20.812 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion: 91 Resp: 71243
Ion Ratio Lower Upper
91 100
126 31.2 15.6 46.8

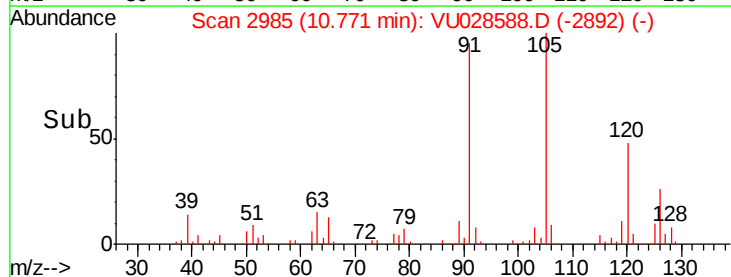
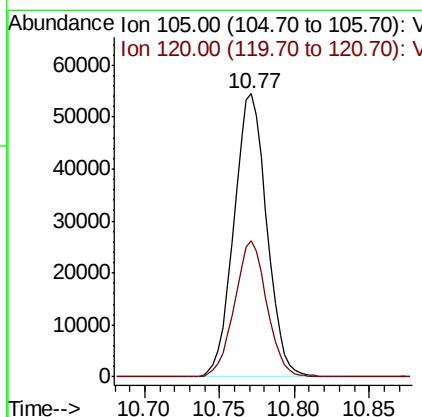
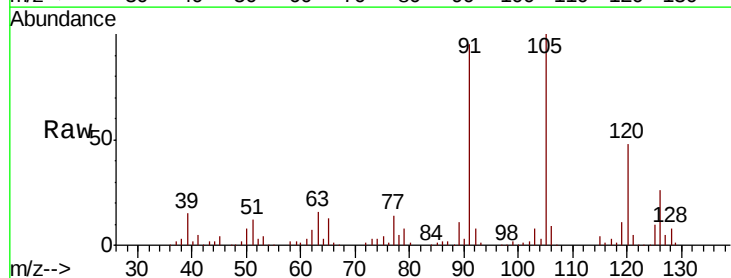
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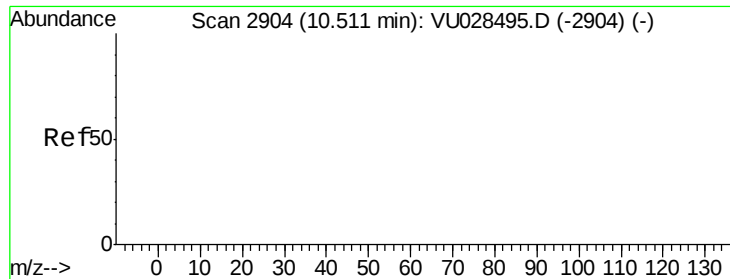
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.992 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 105 Resp: 83103
Ion Ratio Lower Upper
105 100
120 47.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.061 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

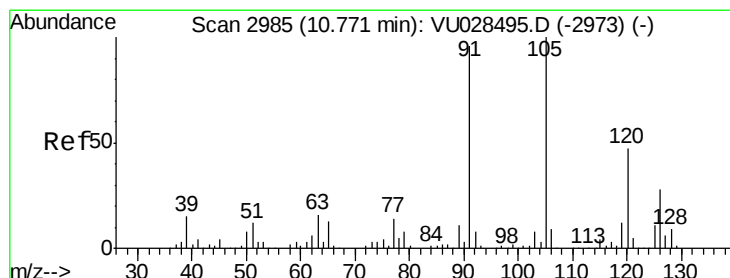
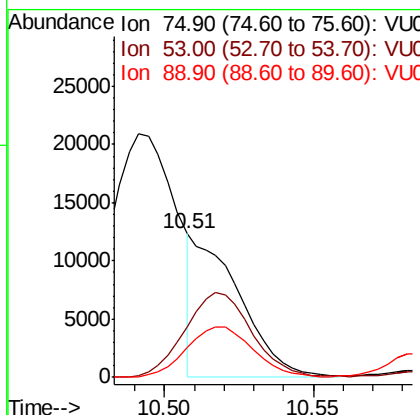
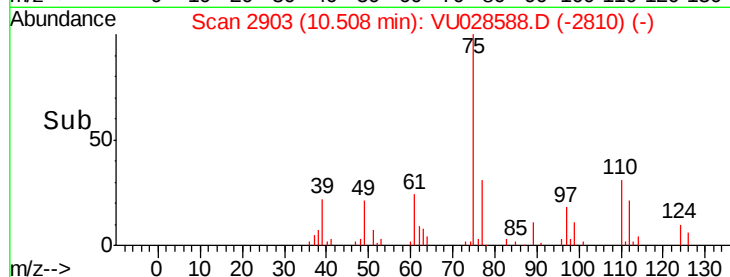
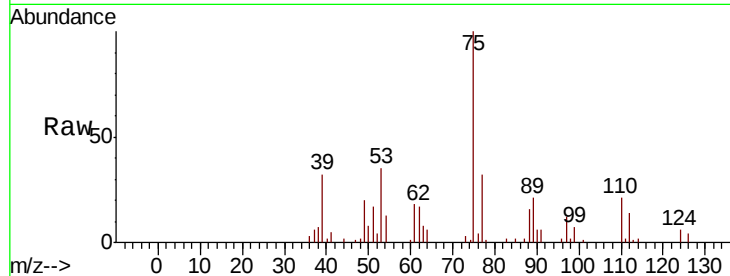
Instrument :
MSVOA_U

ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.808 ug/l

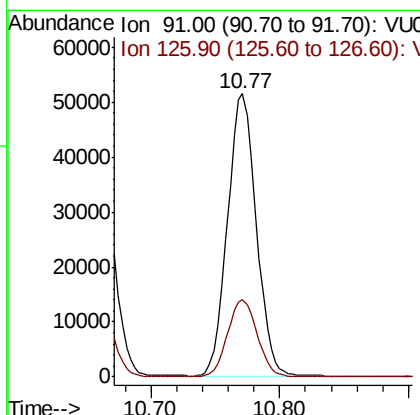
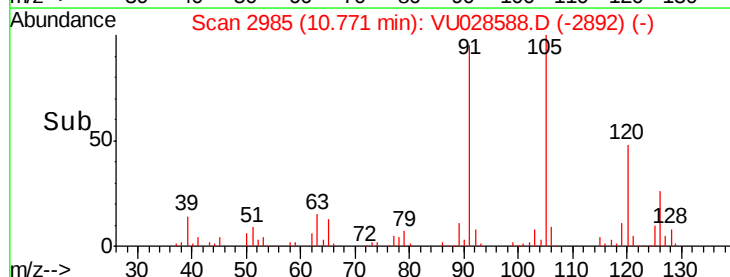
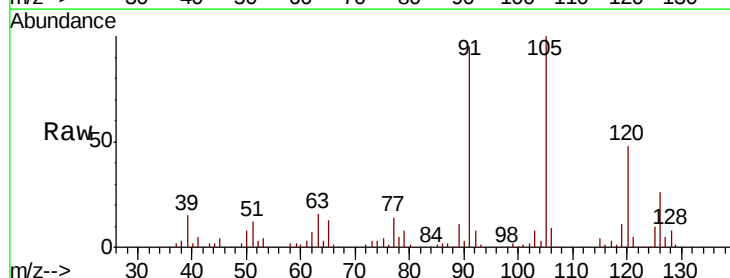
RT: 10.77 min Scan# 2985

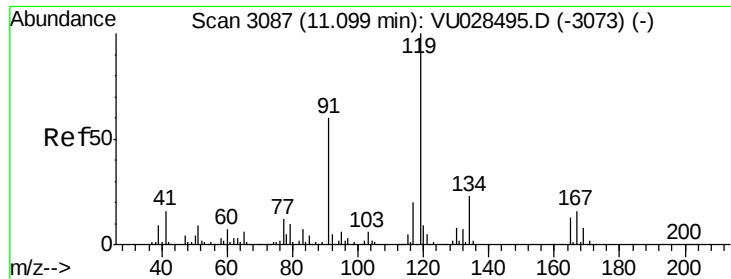
Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.1	42.3





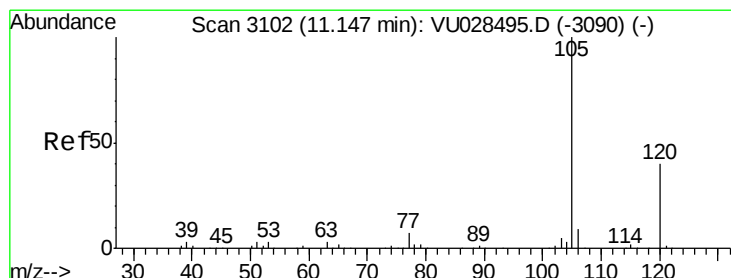
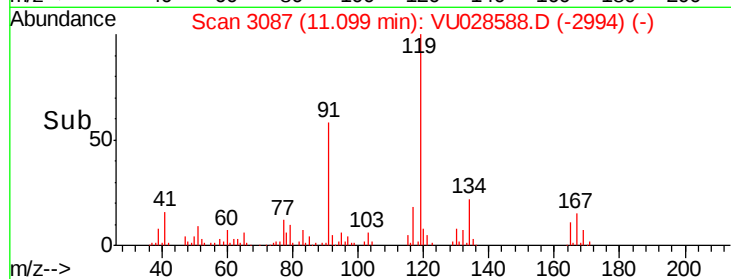
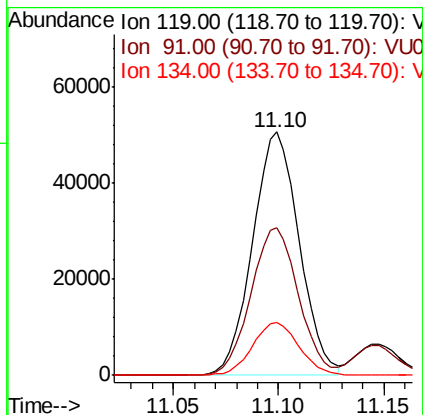
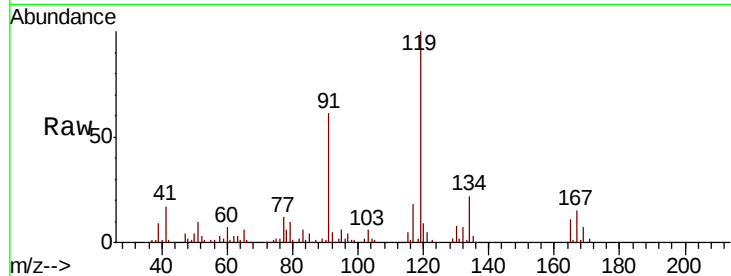
#83
tert-Butylbenzene
Concen: 20.433 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.3	91.0
134	21.7	11.2	33.5

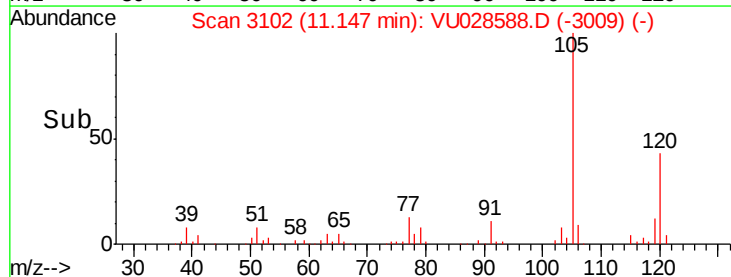
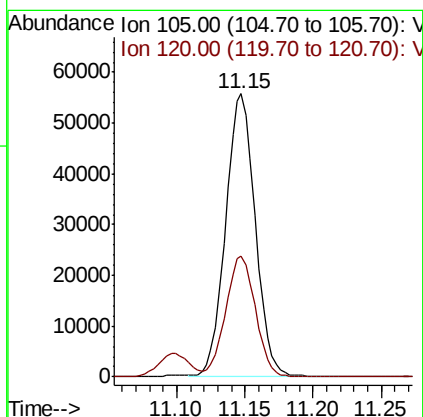
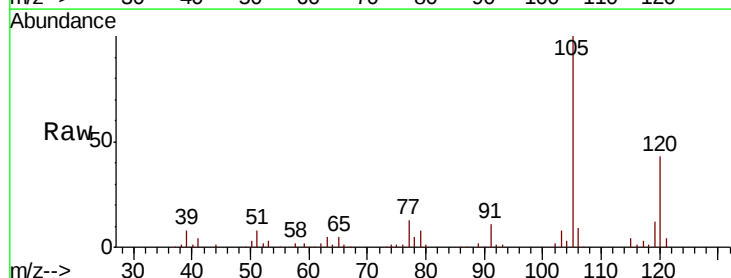
Manual Integrations
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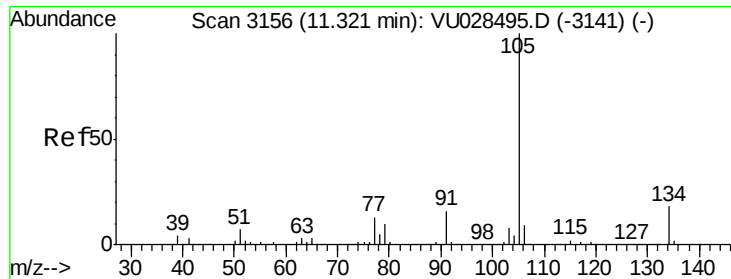
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.634 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.8	65.4





#85

sec-Butylbenzene

Concen: 20.033 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

Tot Ion:105 Resp: 98201

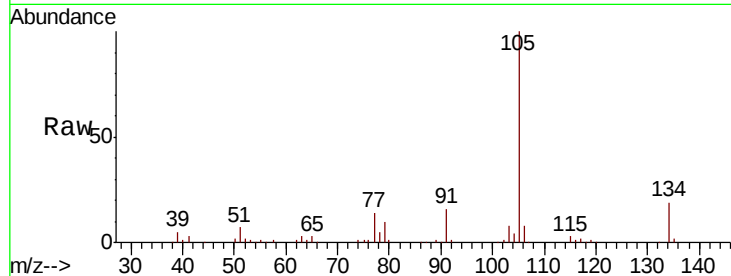
Ion Ratio Lower Upper

105 100

134 18.7 9.2 27.6

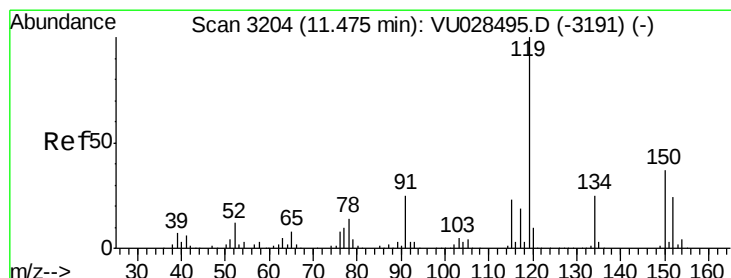
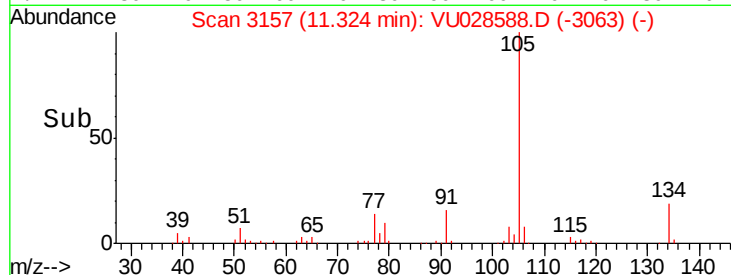
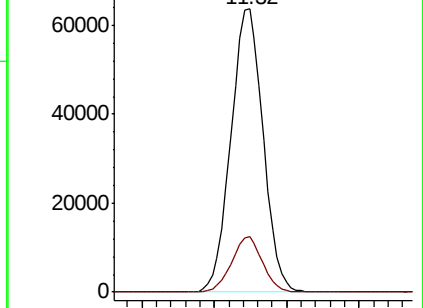
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.527 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

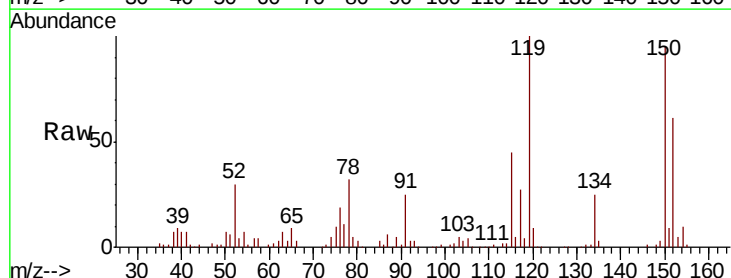
Tgt Ion:119 Resp: 81315

Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

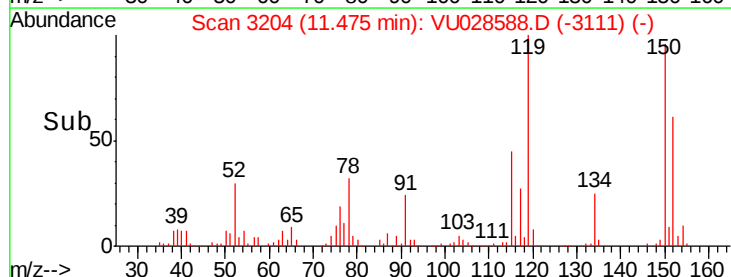
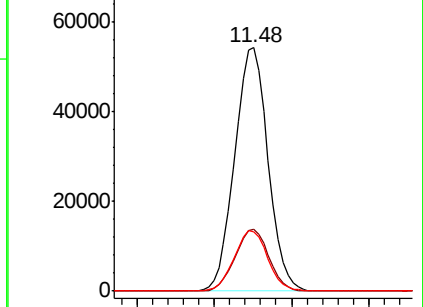
91 24.9 12.6 37.6



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





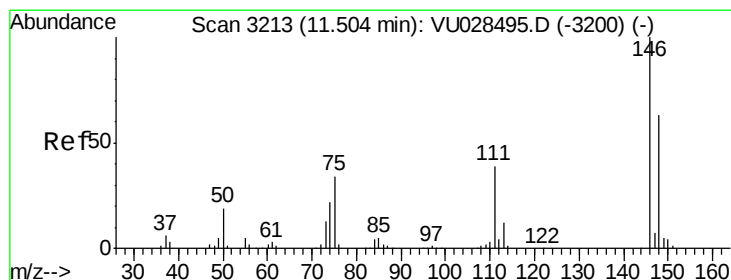
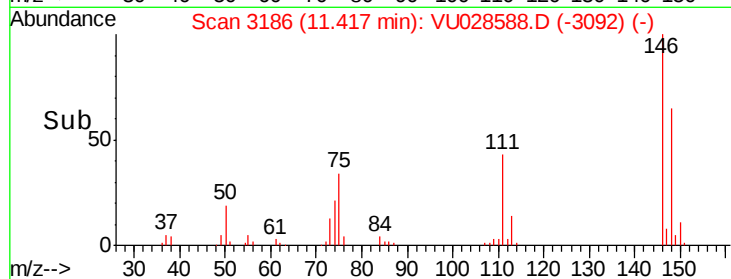
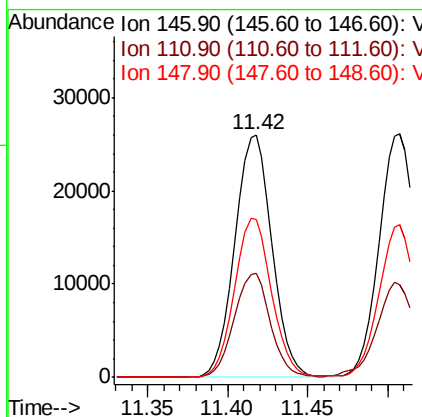
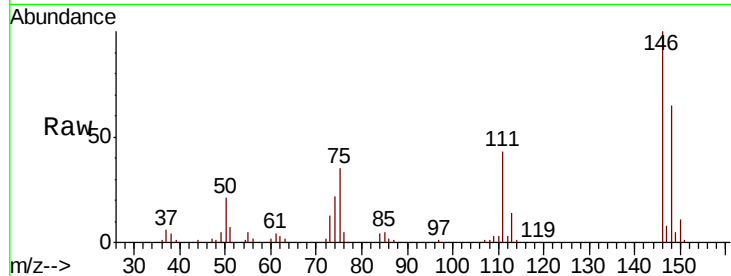
#87
 1,3-Dichlorobenzene
 Concen: 19.471 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	65.2	31.9	95.7

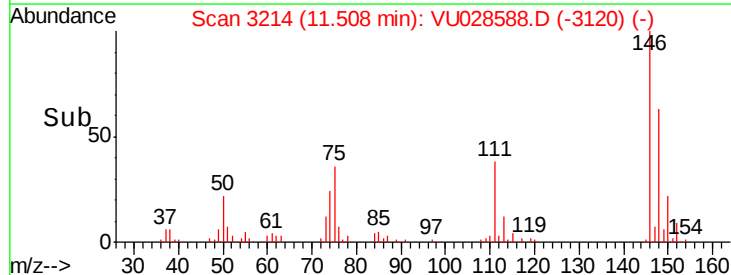
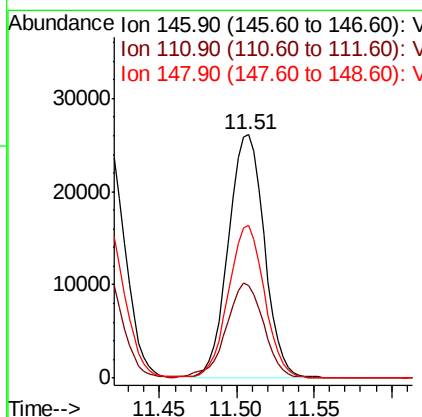
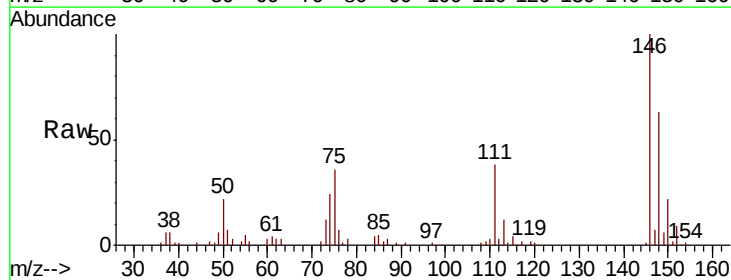
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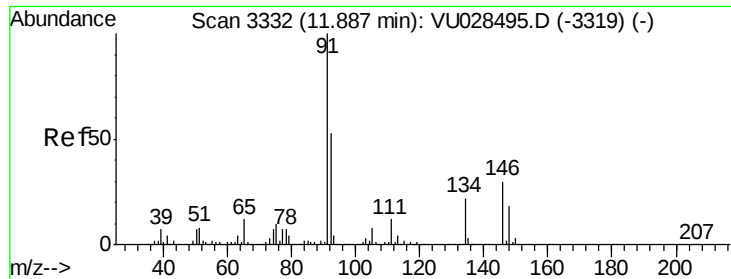
MMDadoda
 12/11/2018 12:11:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.291 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.2	60.5
148	63.1	31.6	95.0





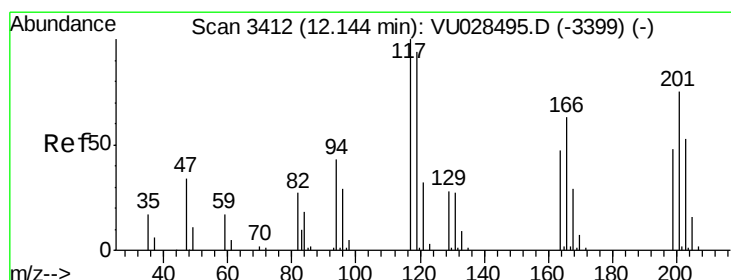
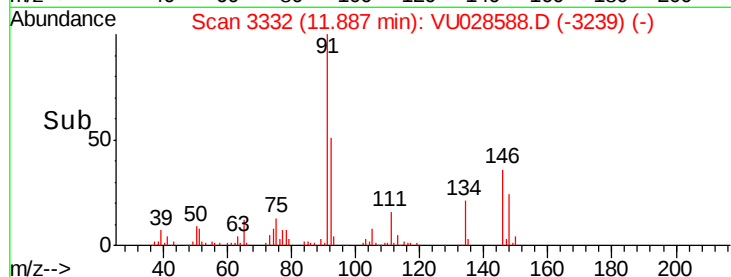
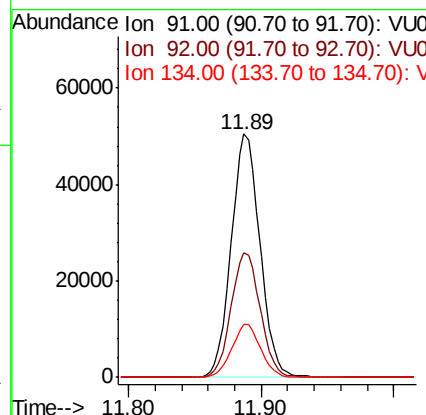
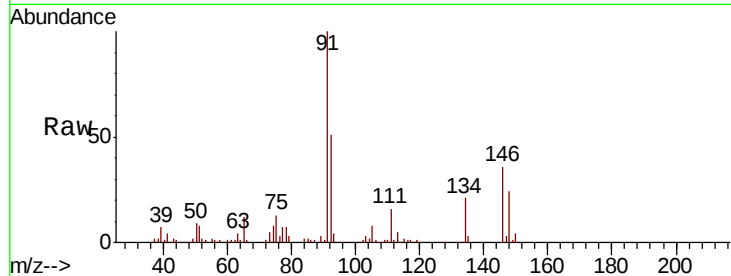
#89
n-Butylbenzene
Concen: 18.111 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.9
134	21.7	11.3	33.8

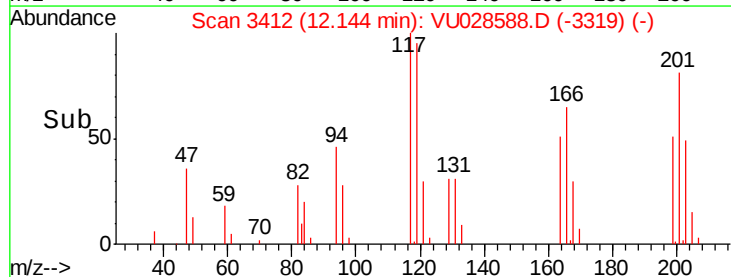
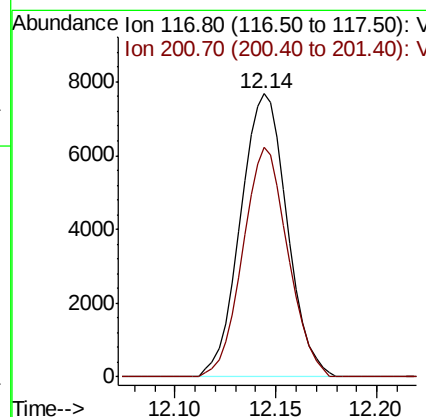
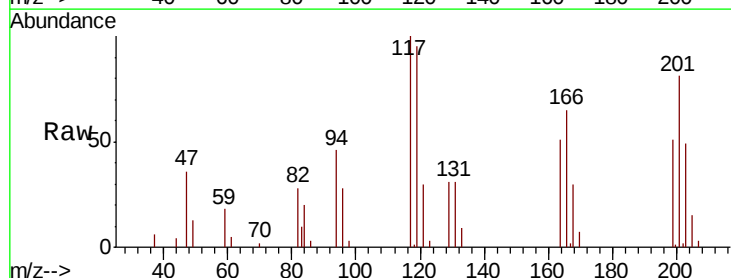
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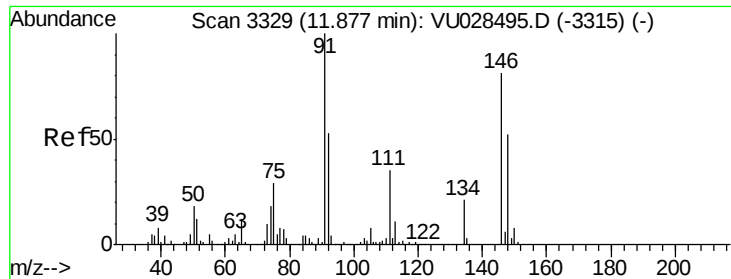
MMDadoda
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#90
Hexachloroethane
Concen: 19.728 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	38.1	114.5





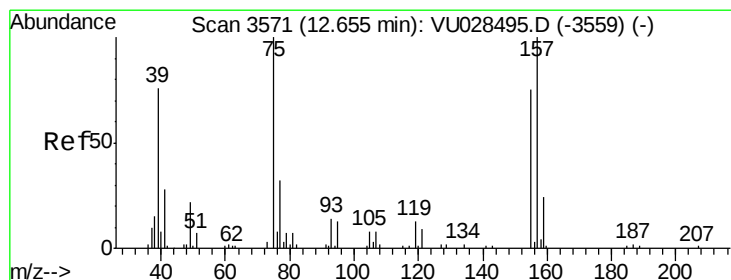
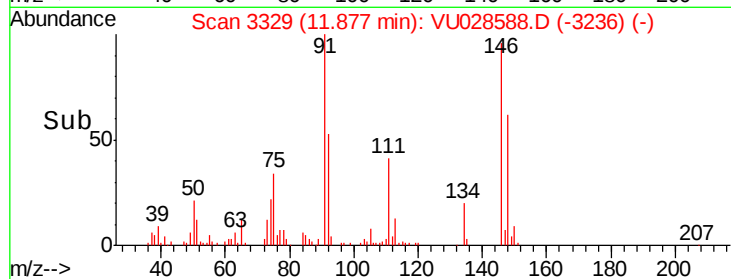
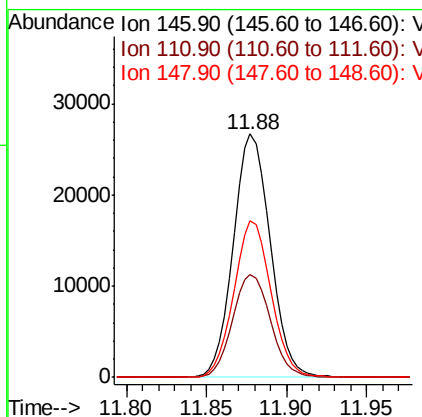
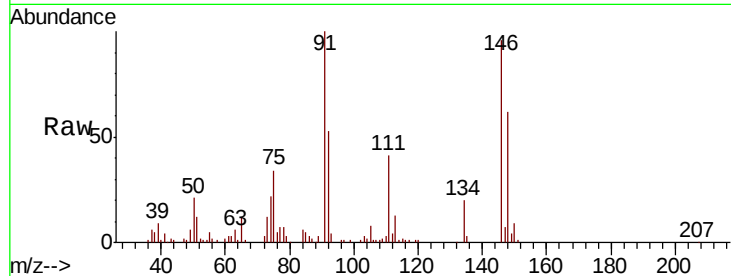
#91
 1,2-Dichlorobenzene
 Concen: 19.843 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.4
148	64.6	31.4	94.2

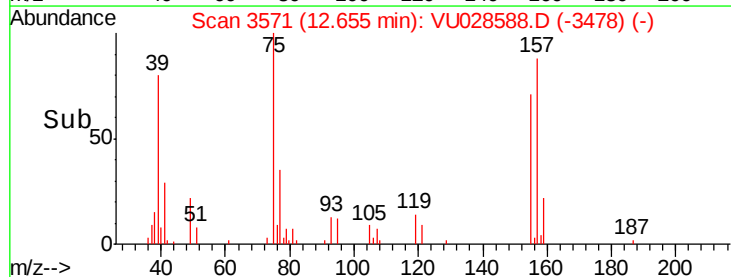
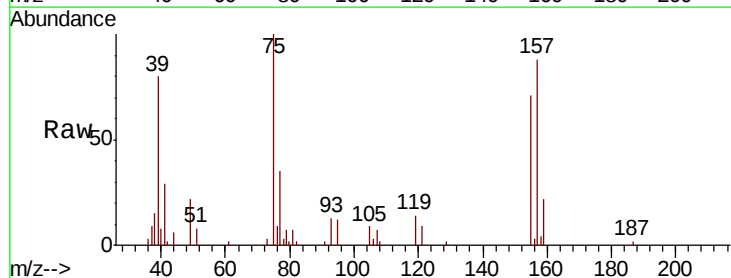
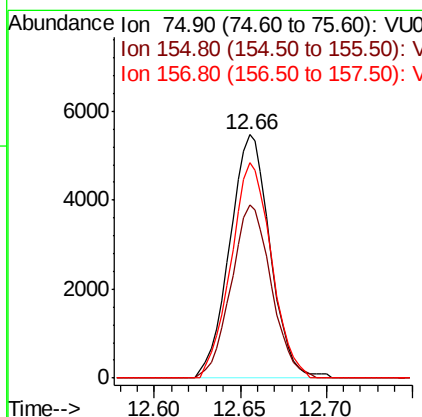
Manual Integrations
 APPROVED

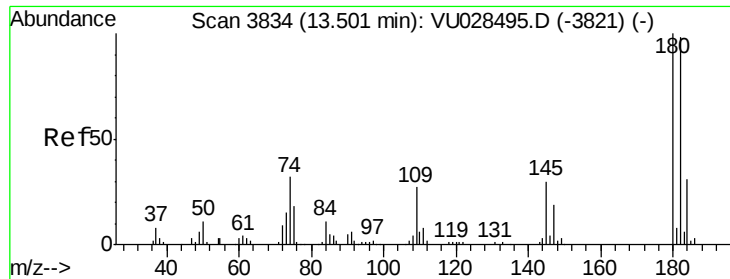
MMDadoda
 12/11/2018 12:11:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.446 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.7	38.1	114.5
157	88.5	48.7	146.1





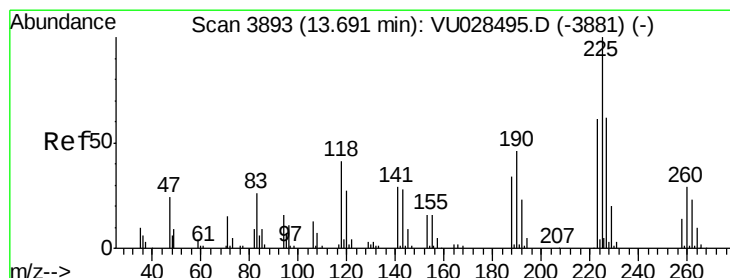
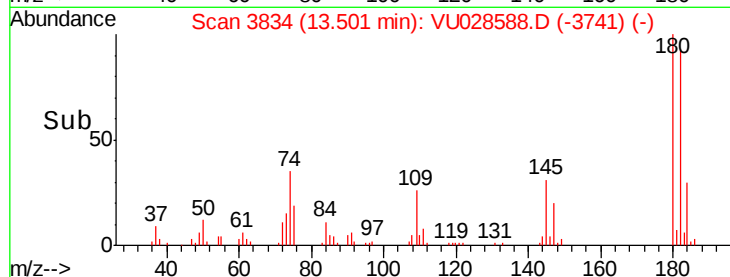
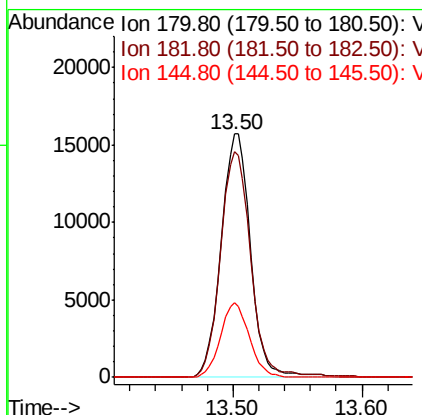
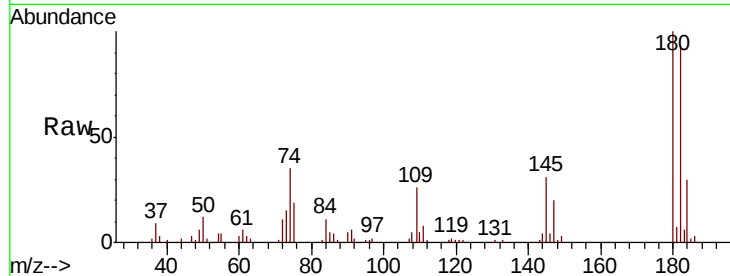
#93
 1,2,4-Trichlorobenzene
 Concen: 17.658 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	24829		
182	95.4	47.9	143.8	
145	29.9	15.0	45.1	

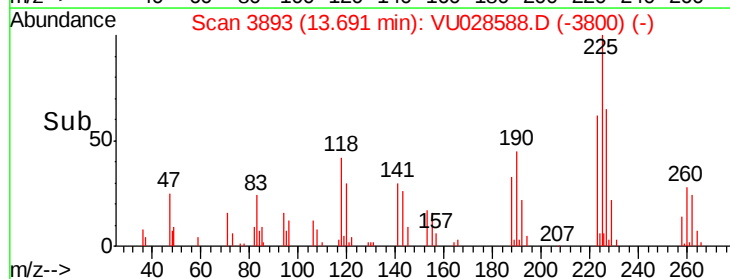
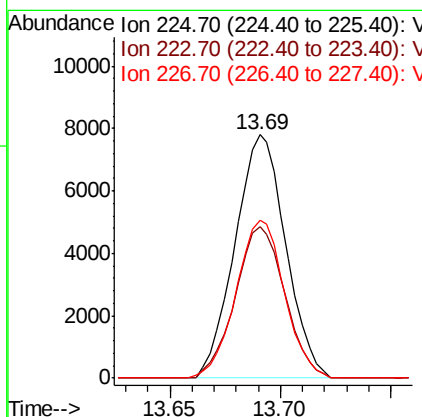
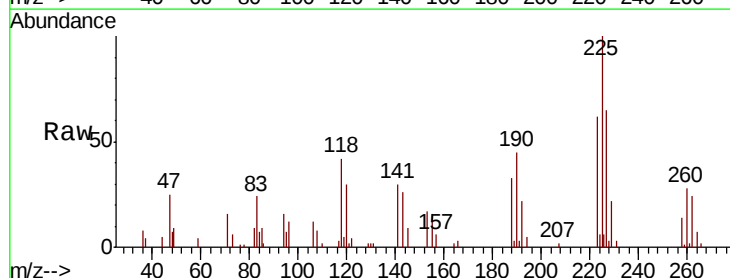
Manual Integrations
 APPROVED

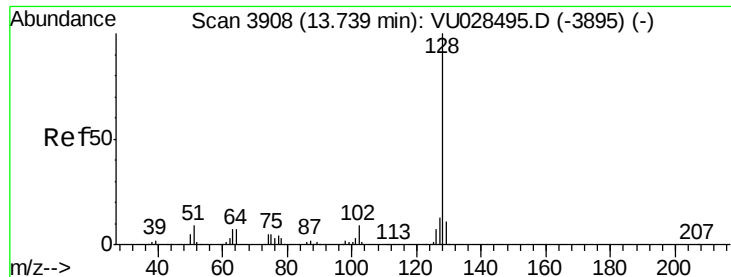
MMDadoda
 12/11/2018 12:11:12 PM



#94
 Hexachlorobutadiene
 Concen: 17.975 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12439		
223	60.9	30.4	91.2	
227	62.2	30.7	92.1	





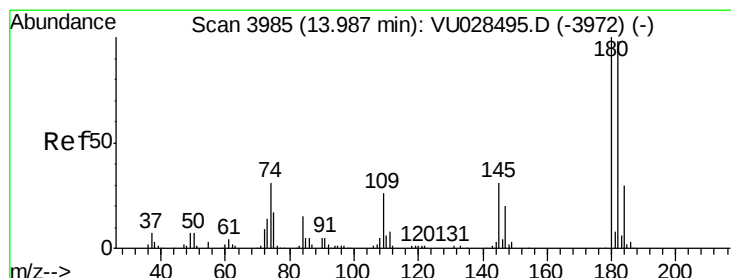
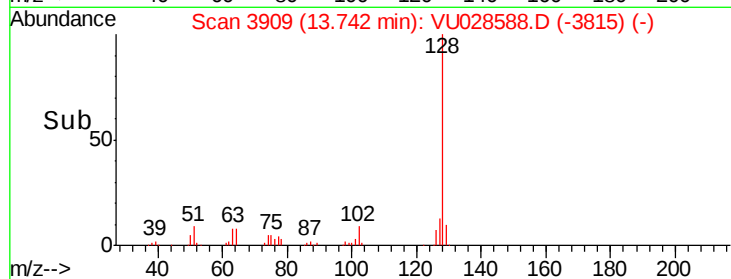
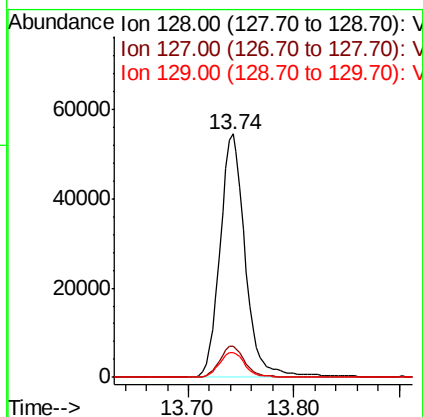
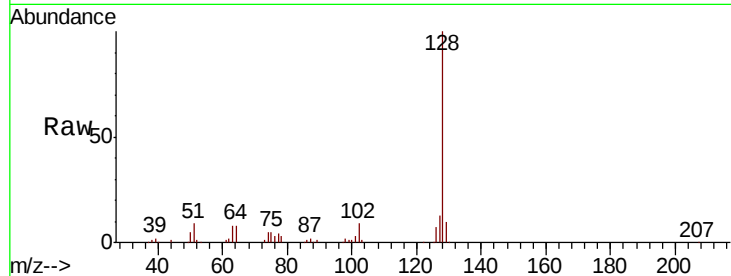
#95
Naphthalene
Concen: 17.815 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.639 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.2	144.6
145	29.8	15.8	47.3

