

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120518\
 Data File : VU028475.D
 Acq On : 05 Dec 2018 13:15
 Operator : MD/SY
 Sample : VU1205WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/6/2018 4:53:16 PM

Quant Time: Dec 06 03:02:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	297469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	511798	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	478086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	234694	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	285943	57.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.04%	
35) Dibromofluoromethane	4.88	113	215396	63.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.58%	
50) Toluene-d8	7.57	98	851249	62.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.08%	
62) 4-Bromofluorobenzene	10.30	95	322081	65.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	88605	22.204	ug/l	96
3) Chloromethane	1.33	50	156007	20.169	ug/l	100
4) Vinyl Chloride	1.40	62	123477	22.816	ug/l	98
5) Bromomethane	1.63	94	52278	24.976	ug/l	98
6) Chloroethane	1.70	64	73852	23.716	ug/l	94
7) Trichlorofluoromethane	1.89	101	134179	23.869	ug/l	100
8) Diethyl Ether	2.10	74	64734	24.772	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	84902	25.927	ug/l	97
10) Methyl Iodide	2.41	142	54995	17.809	ug/l	94
11) Tert butyl alcohol	2.82	59	130482	115.530	ug/l	99
12) 1,1-Dichloroethene	2.29	96	84300	26.527	ug/l	87
13) Acrolein	2.20	56	96792	96.399	ug/l	98
14) Allyl chloride	2.59	41	166910	20.103	ug/l	97
15) Acrylonitrile	2.94	53	346925	116.124	ug/l	99
16) Acetone	2.32	43	330100	108.544	ug/l	97
17) Carbon Disulfide	2.48	76	261883	21.470	ug/l	99
18) Methyl Acetate	2.62	43	186505	22.027	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	305149	23.422	ug/l	96
20) Methylene Chloride	2.70	84	99397	23.133	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	88943	24.133	ug/l	92
22) Diisopropyl ether	3.57	45	355041	21.720	ug/l #	94
23) Vinyl Acetate	3.53	43	1410076	103.778	ug/l	97
24) 1,1-Dichloroethane	3.45	63	185421	23.007	ug/l	99
25) 2-Butanone	4.26	43	473593	108.661	ug/l	97
26) 2,2-Dichloropropane	4.23	77	146802	22.936	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	103815	23.818	ug/l	93
28) Bromochloromethane	4.55	49	82338	20.432	ug/l	85
29) Tetrahydrofuran	4.64	42	313001	110.609	ug/l	92
30) Chloroform	4.67	83	170552	22.927	ug/l	100
31) Cyclohexane	5.00	56	181174	21.680	ug/l	90
32) 1,1,1-Trichloroethane	4.92	97	140894	23.603	ug/l	98
36) 1,1-Dichloropropene	5.14	75	131075	23.404	ug/l	97
37) Ethyl Acetate	4.38	43	169109	22.157	ug/l	96
38) Carbon Tetrachloride	5.13	117	108970	23.694	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	160176	24.258	ug/l	94
40) Benzene	5.39	78	402440	24.262	ug/l	98
41) Methacrylonitrile	4.54	41	96156	22.686	ug/l	94
42) 1,2-Dichloroethane	5.40	62	138261	23.138	ug/l	97
43) Isopropyl Acetate	5.55	43	277242	22.923	ug/l	97
44) Trichloroethene	6.19	130	93049	26.170	ug/l	95
45) 1,2-Dichloropropane	6.43	63	112903	23.243	ug/l	100
46) Dibromomethane	6.56	93	66724	23.914	ug/l	93
47) Bromodichloromethane	6.76	83	129326	23.303	ug/l	98
48) Methyl methacrylate	6.62	41	136445	21.658	ug/l	95
49) 1,4-Dioxane	6.61	88	47325	470.220	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	865290	112.018	ug/l	95
52) Toluene	7.64	92	240801	25.210	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	155773	23.473	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	168931	23.762	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	99448	25.016	ug/l	98
56) Ethyl methacrylate	8.02	69	163497	24.175	ug/l	94
57) 1,3-Dichloropropane	8.24	76	173860	23.849	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	412173	113.517	ug/l	96
59) 2-Hexanone	8.36	43	676105	112.996	ug/l	96
60) Dibromochloromethane	8.48	129	92935	24.581	ug/l	98
61) 1,2-Dibromoethane	8.58	107	101283	24.876	ug/l	94
64) Tetrachloroethene	8.23	164	81797	26.010	ug/l	97
65) Chlorobenzene	9.12	112	249163	25.099	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	82788	24.330	ug/l	98
67) Ethyl Benzene	9.25	91	459119	24.556	ug/l	98
68) m/p-Xylenes	9.37	106	333222	49.515	ug/l	99
69) o-Xylene	9.78	106	166664	24.913	ug/l	98
70) Styrene	9.79	104	271053	25.122	ug/l	97
71) Bromoform	9.96	173	67603	23.637	ug/l #	98
73) Isopropylbenzene	10.16	105	442229	24.227	ug/l	100
74) N-amyl acetate	10.01	43	230720	20.174	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	166946	22.241	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	150087m	23.061	ug/l	
77) Bromobenzene	10.45	156	105886	24.619	ug/l	92
78) n-propylbenzene	10.58	91	539064	23.939	ug/l	99
79) 2-Chlorotoluene	10.66	91	317452	23.915	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	362977	23.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	52969m	21.604	ug/l	
82) 4-Chlorotoluene	10.77	91	356605	23.316	ug/l	98
83) tert-Butylbenzene	11.10	119	344395	24.018	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	372296	23.896	ug/l	98
85) sec-Butylbenzene	11.32	105	447488	24.027	ug/l	98
86) p-Isopropyltoluene	11.48	119	382964	25.008	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	190096	24.233	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	193813	24.549	ug/l	99
89) n-Butylbenzene	11.89	91	369059	24.419	ug/l	98
90) Hexachloroethane	12.14	117	53926	22.555	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	191062	24.412	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	37228	22.297	ug/l	97

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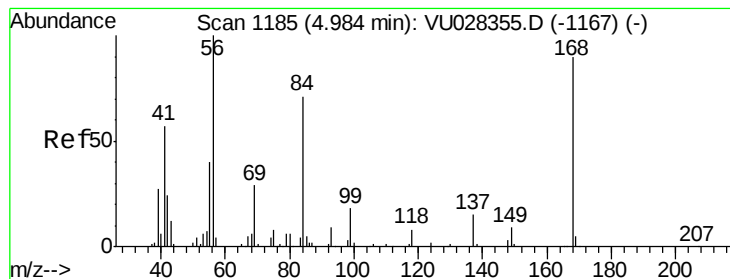
Manual Integrations
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12/6/2018 4:53:16 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	129566	25.291	ug/l	99
94) Hexachlorobutadiene	13.69	225	61017	25.223	ug/l	99
95) Naphthalene	13.74	128	457227	24.670	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	137156	26.471	ug/l	99

(#) = 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: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion:168 Resp: 297469

Ion Ratio Lower Upper

168 100

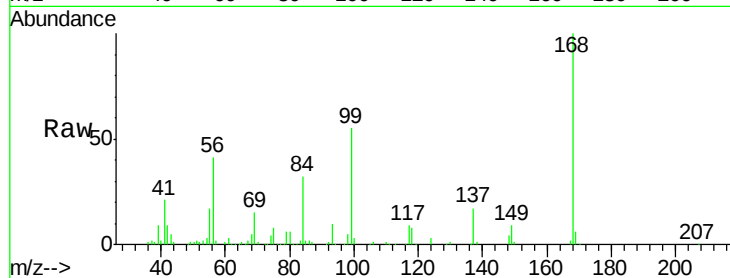
99 55.1 49.6 74.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

150000

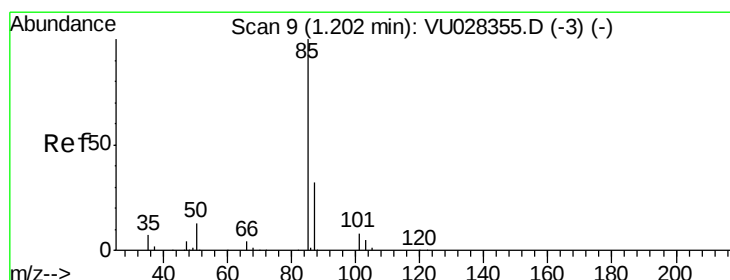
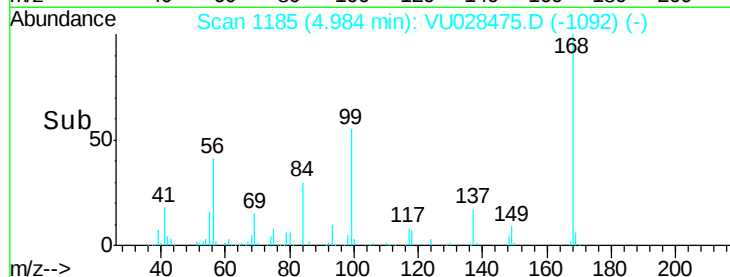
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.204 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028475.D

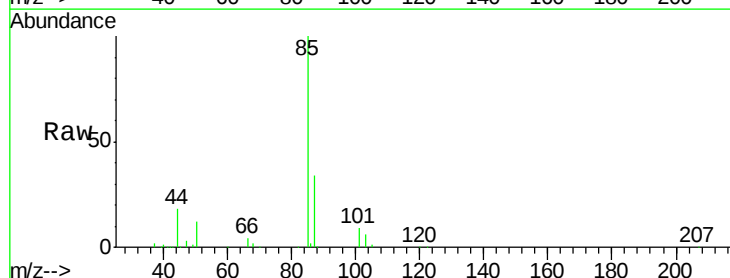
Acq: 05 Dec 2018 13:15

Tgt Ion: 85 Resp: 88605

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

100000

80000

60000

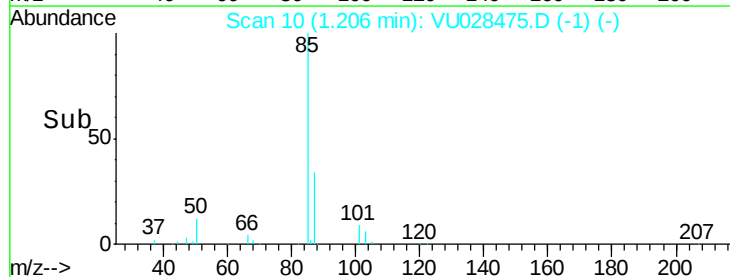
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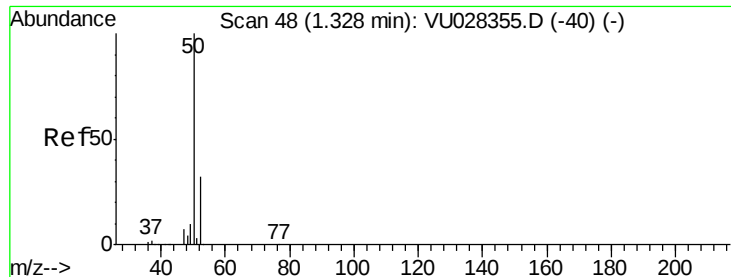
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.169 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 50 Resp: 156007

Ion Ratio Lower Upper

50 100

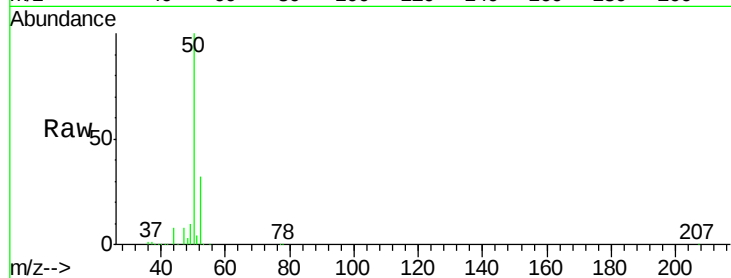
52 31.8 25.4 38.2

Manual Integrations

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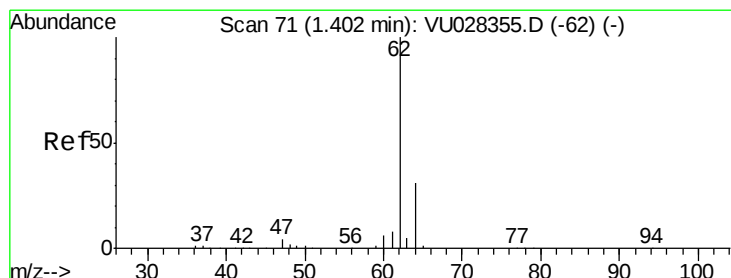
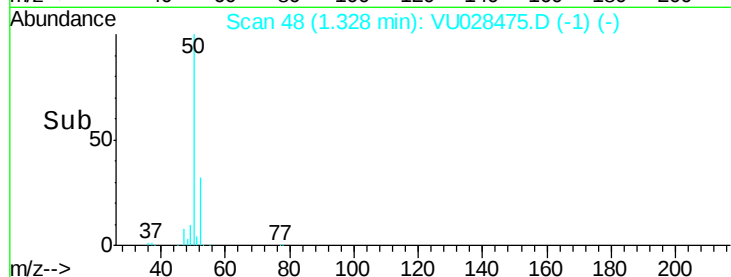
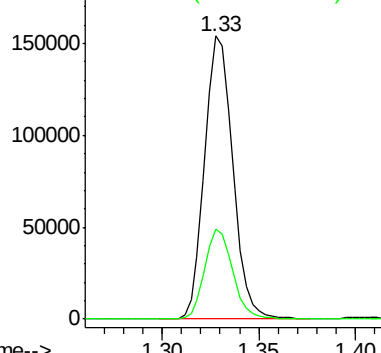
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 22.816 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028475.D

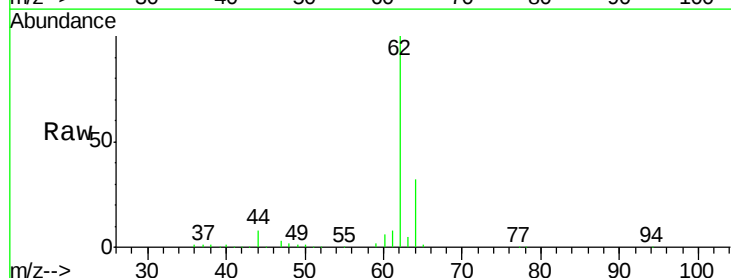
Acq: 05 Dec 2018 13:15

Tgt Ion: 62 Resp: 123477

Ion Ratio Lower Upper

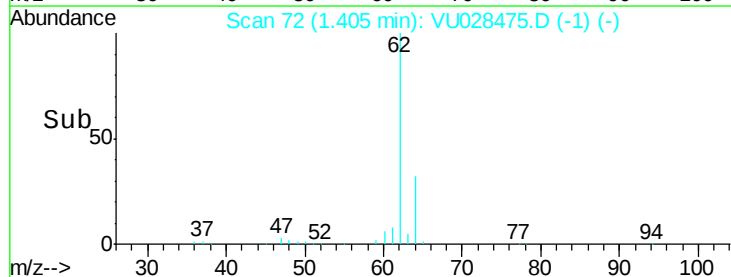
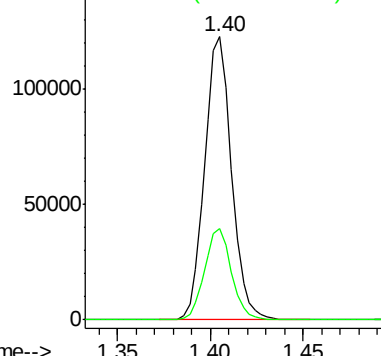
62 100

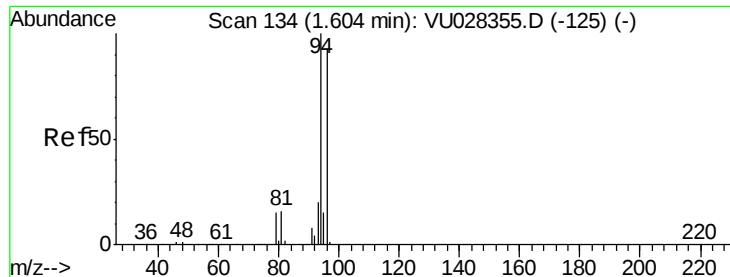
64 32.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 24.976 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.02 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 94 Resp: 52278

Ion Ratio Lower Upper

94 100

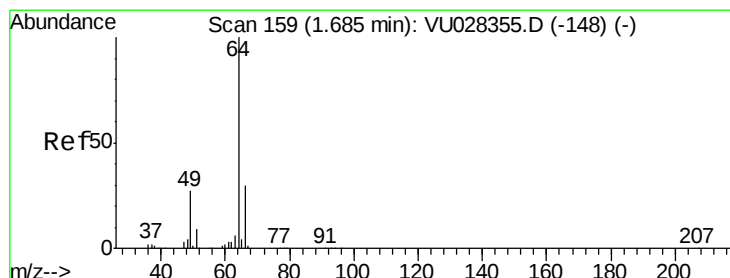
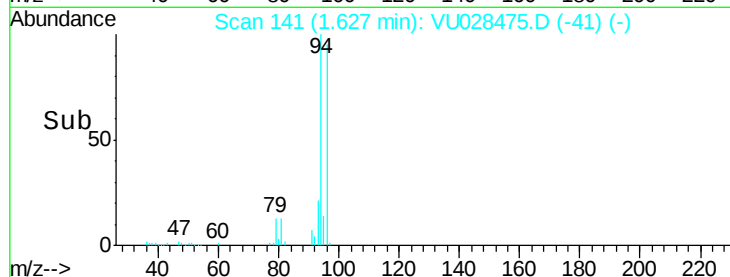
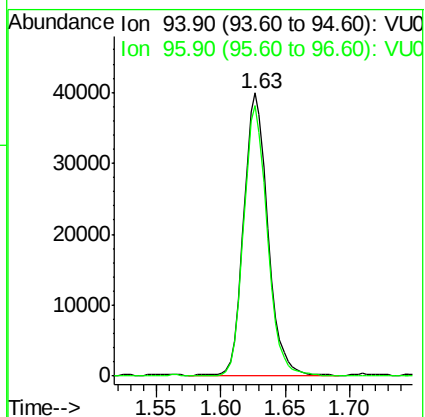
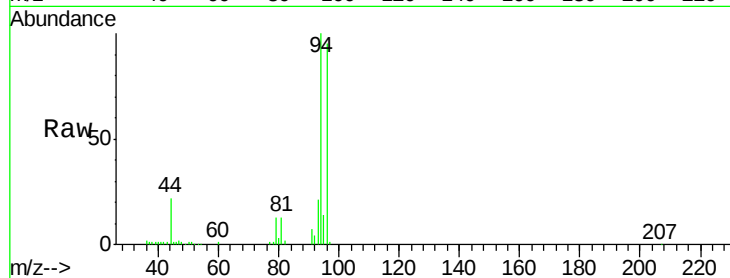
96 95.4 74.6 112.0

Manual Integrations

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12/6/2018 4:53:16 PM



#6

Chloroethane

Concen: 23.716 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU028475.D

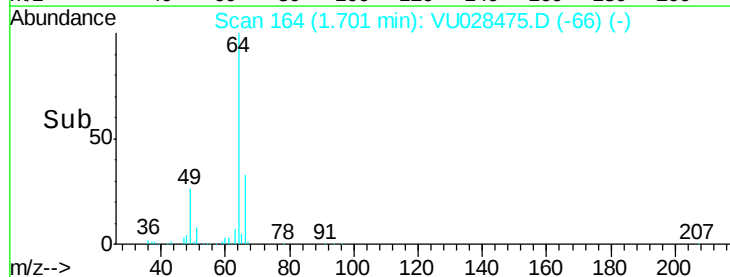
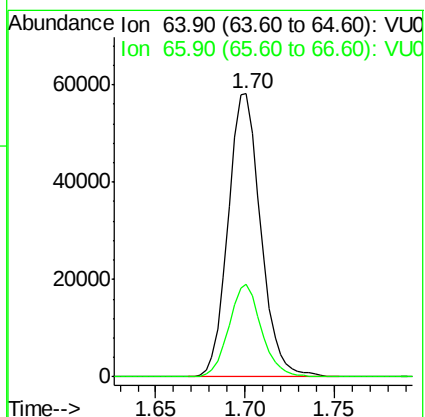
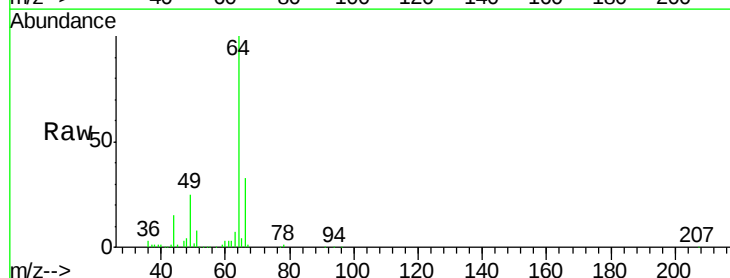
Acq: 05 Dec 2018 13:15

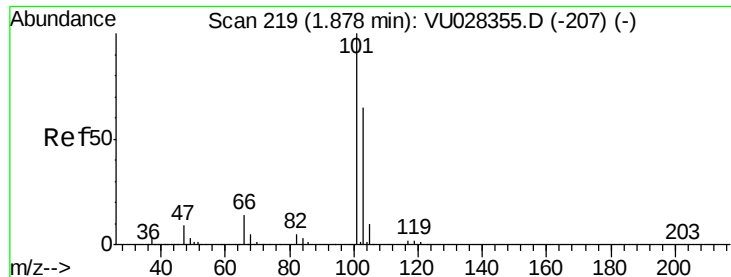
Tgt Ion: 64 Resp: 73852

Ion Ratio Lower Upper

64 100

66 32.6 23.6 35.4





#7

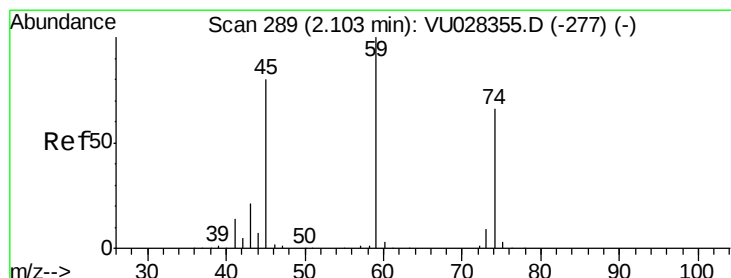
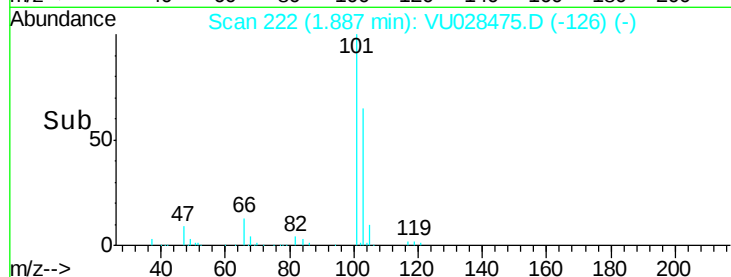
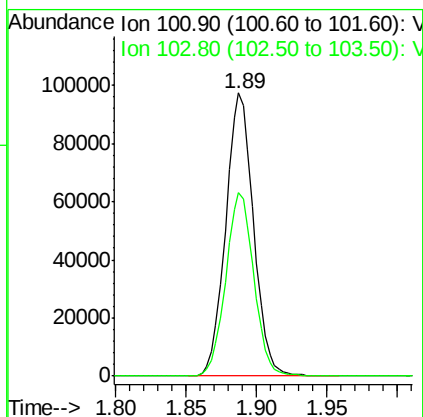
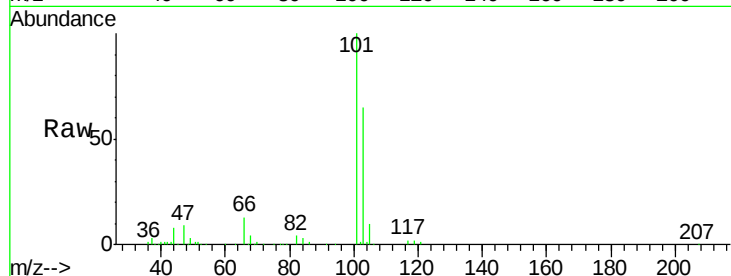
Trichlorofluoromethane
 Concen: 23.869 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.6	77.4

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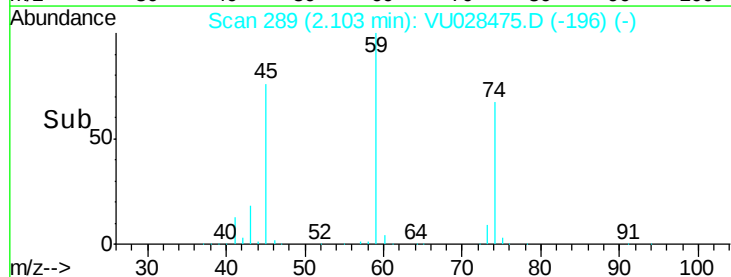
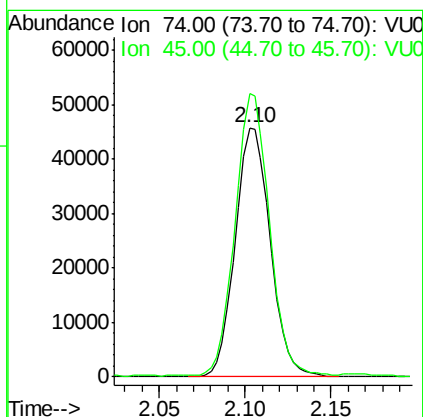
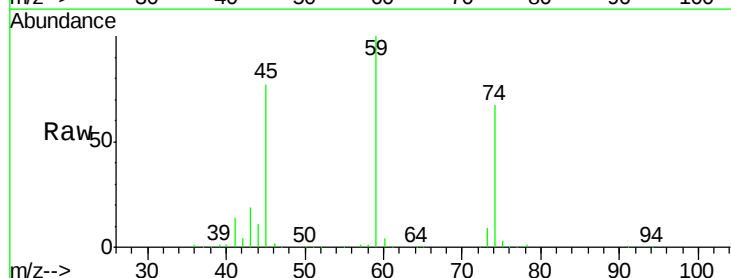
MMDadoda
 12/6/2018 4:53:16 PM

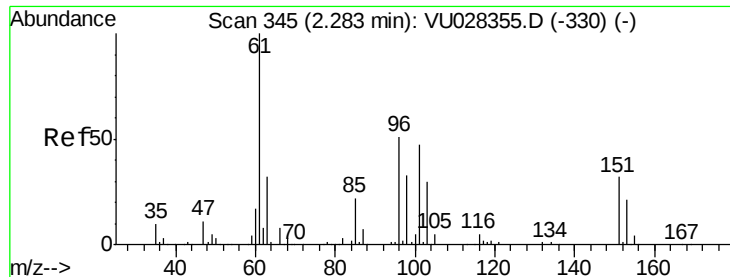


#8

Diethyl Ether
 Concen: 24.772 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.6	63.0	189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.927 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

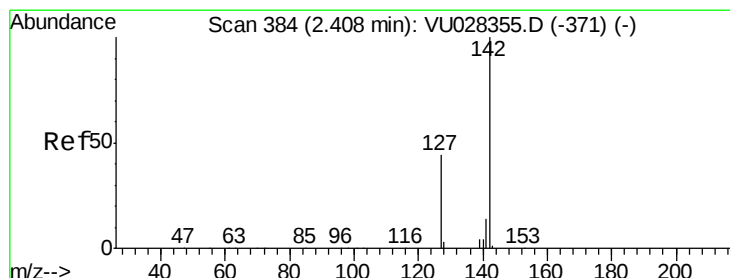
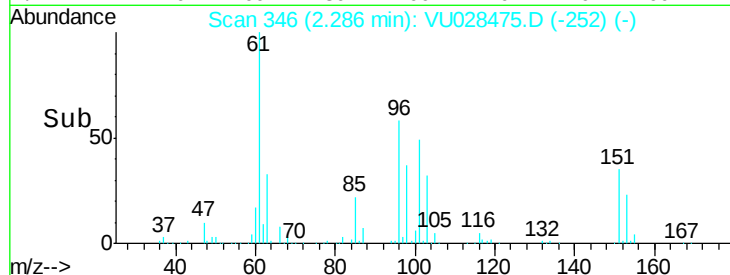
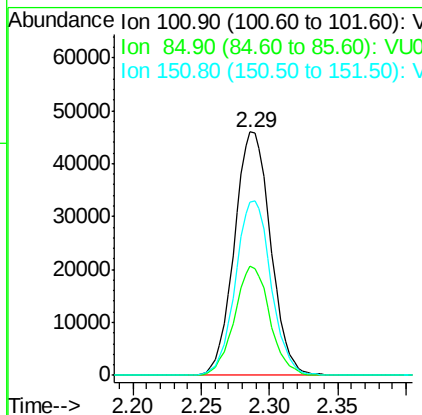
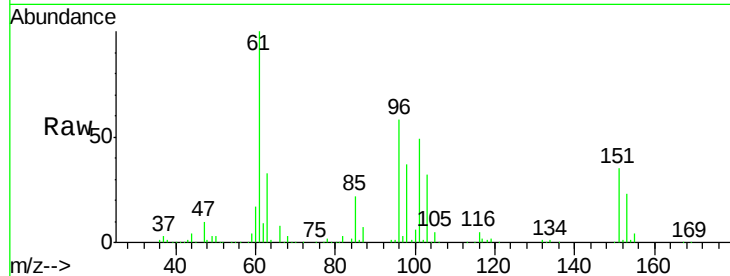
ClientSampleId :

VU1205WBS02

Tgt Ion:	101	Resp:	84902
Ion Ratio	Lower	Upper	
101	100		
85	43.4	37.2	55.8
151	70.4	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.809 ug/l

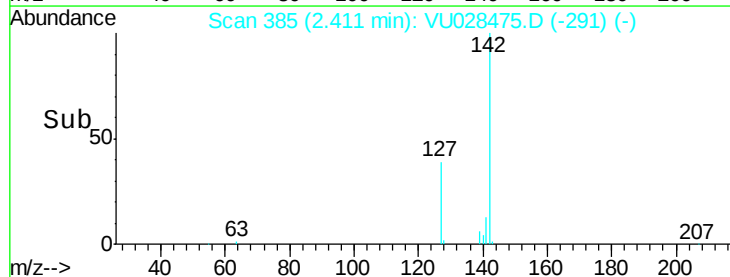
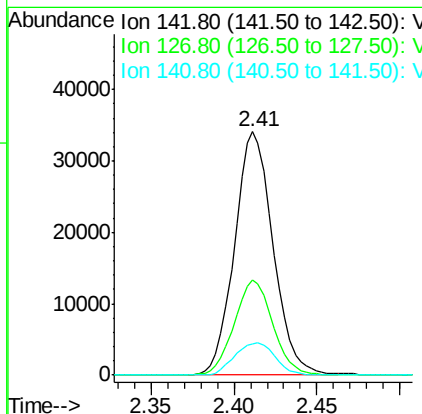
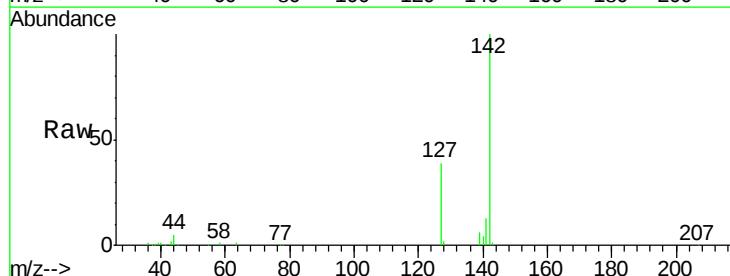
RT: 2.41 min Scan# 385

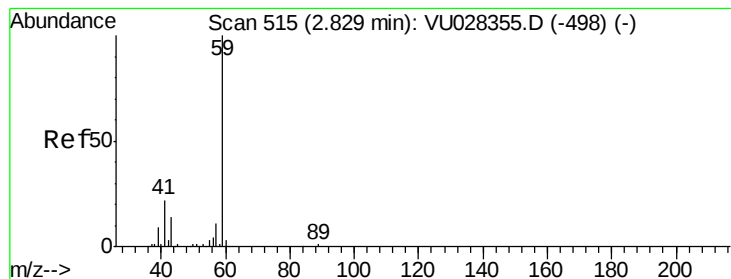
Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion:	142	Resp:	54995
Ion Ratio	Lower	Upper	
142	100		
127	38.9	35.0	52.6
141	13.8	11.2	16.8





#11

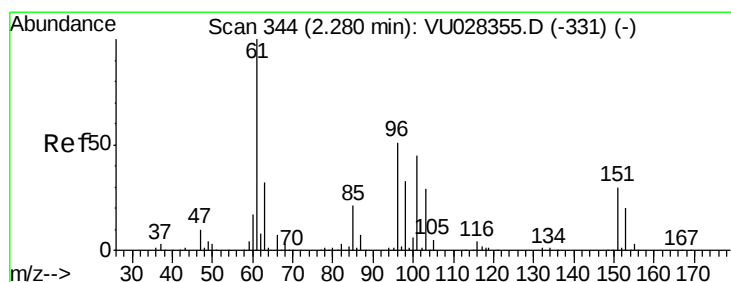
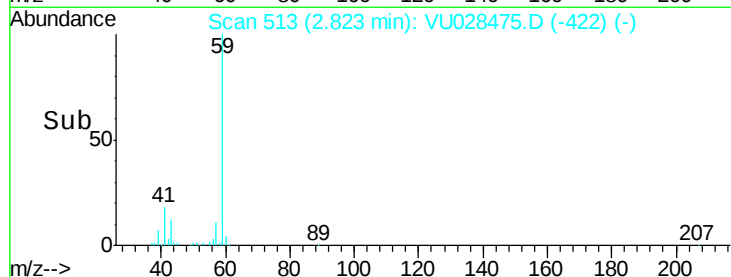
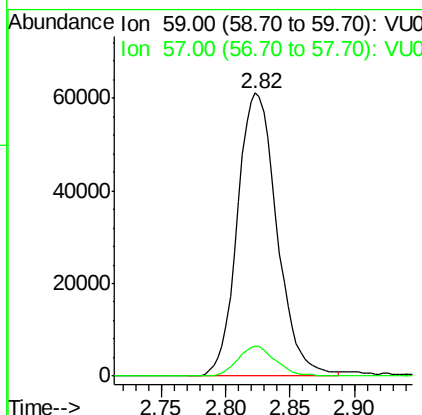
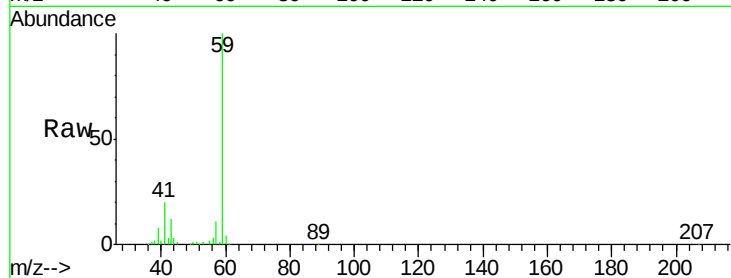
Tert butyl alcohol
 Concen: 115.530 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

Manual Integrations
 APPROVED

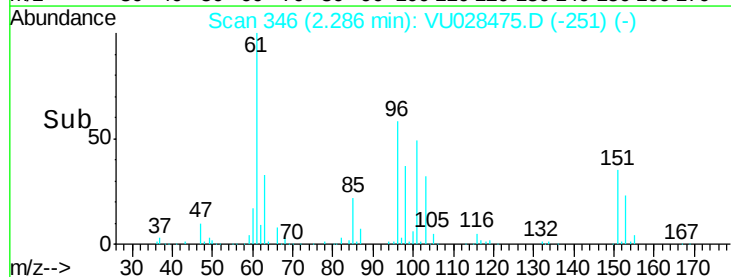
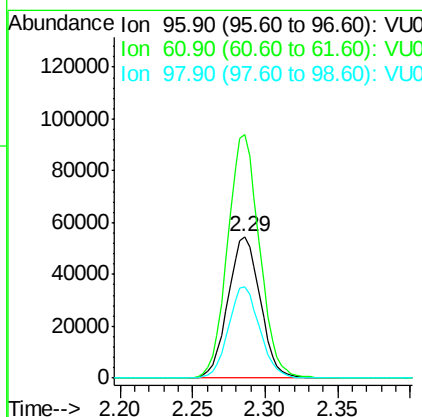
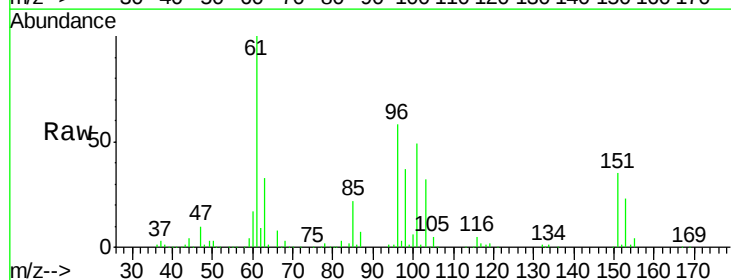
MMDadoda
 12/6/2018 4:53:16 PM

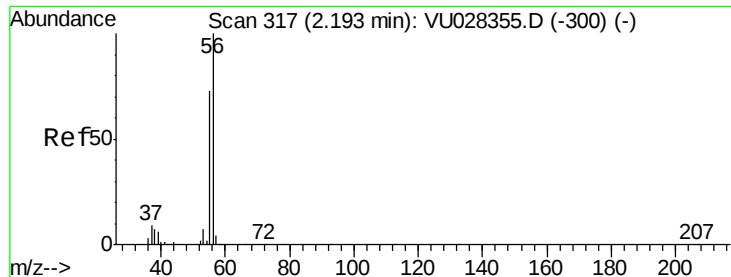


#12

1,1-Dichloroethene
 Concen: 26.527 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.9	158.1	237.1
98	64.5	51.4	77.2





#13

Acrolein

Concen: 96.399 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 56 Resp: 96792

Ion Ratio Lower Upper

56 100

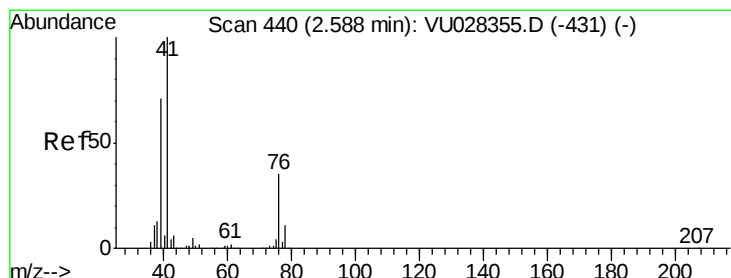
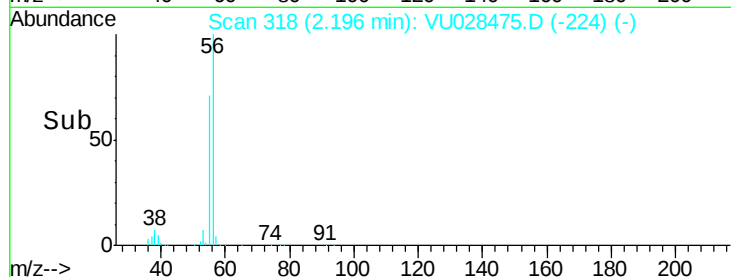
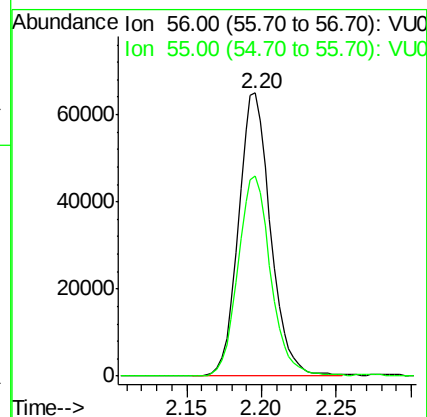
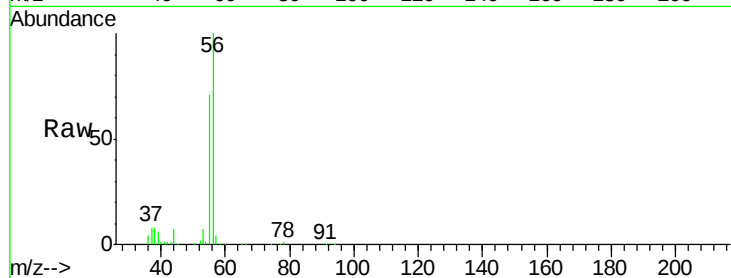
55 72.6 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:16 PM



#14

Allyl chloride

Concen: 20.103 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

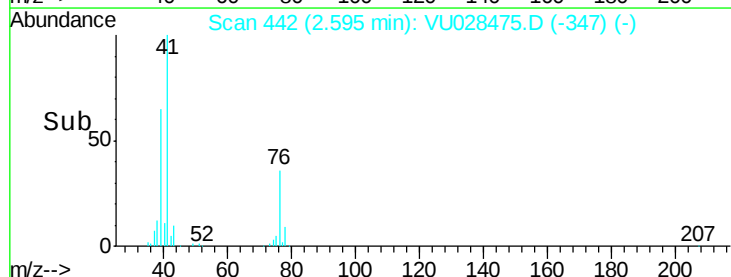
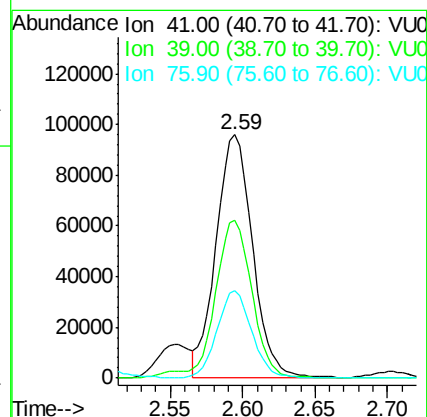
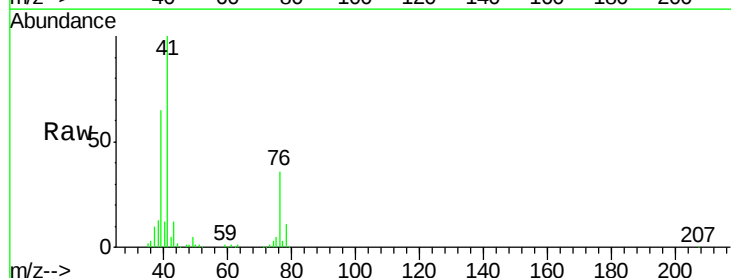
Tgt Ion: 41 Resp: 166910

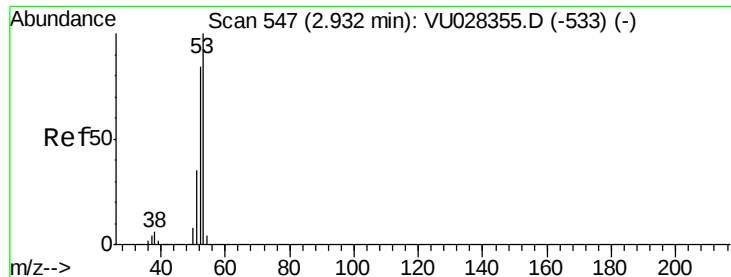
Ion Ratio Lower Upper

41 100

39 63.7 51.6 77.4

76 34.2 24.4 36.6





#15

Acrylonitrile

Concen: 116.124 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

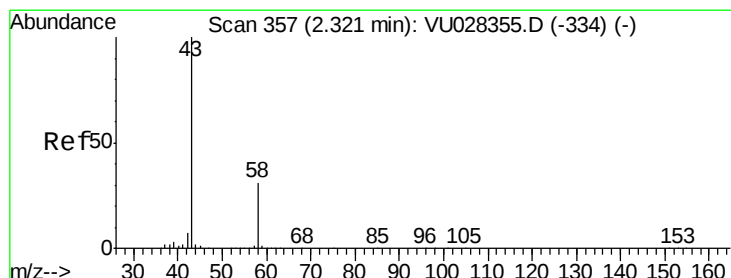
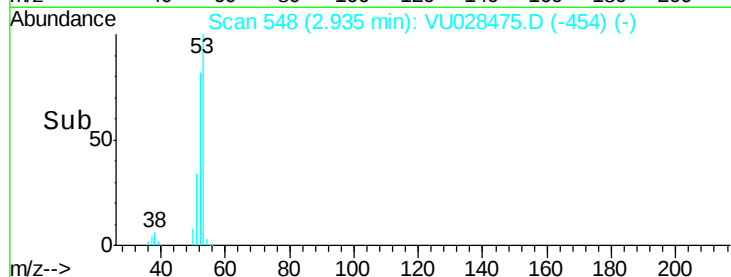
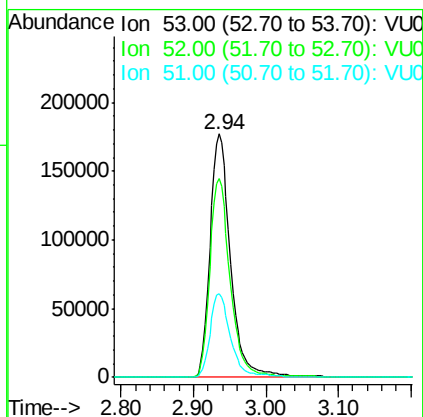
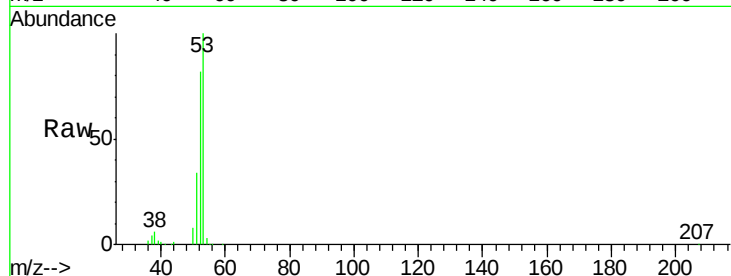
ClientSampleId :

VU1205WBS02

Tgt Ion:	53	Resp:	346925
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.7	98.5
51	34.4	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 108.544 ug/l

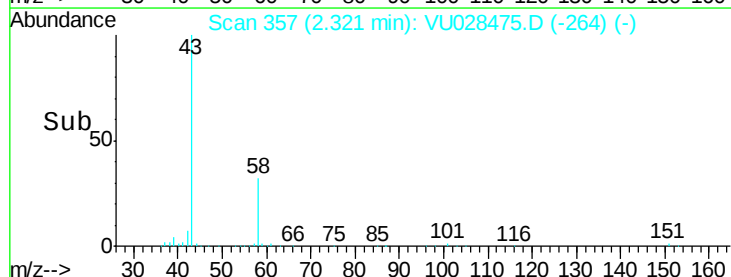
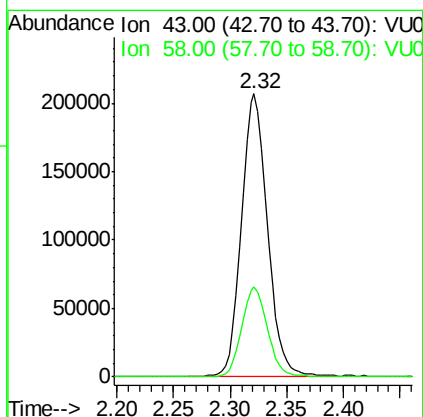
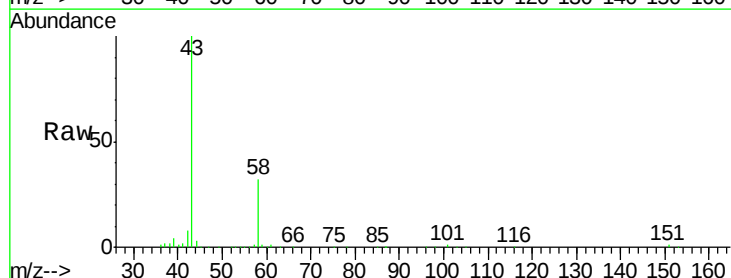
RT: 2.32 min Scan# 357

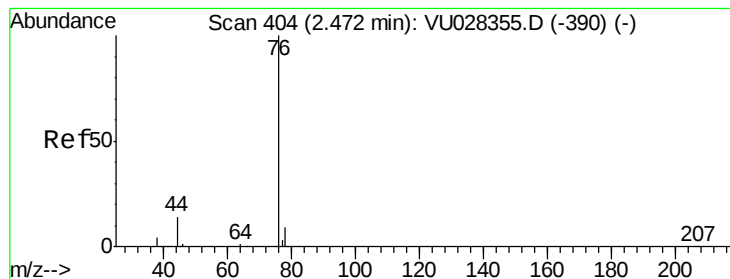
Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion:	43	Resp:	330100
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.4	36.6





#17

Carbon Disulfide

Concen: 21.470 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion: 76 Resp: 261883

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

Instrument :

MSVOA_U

ClientSampleId :

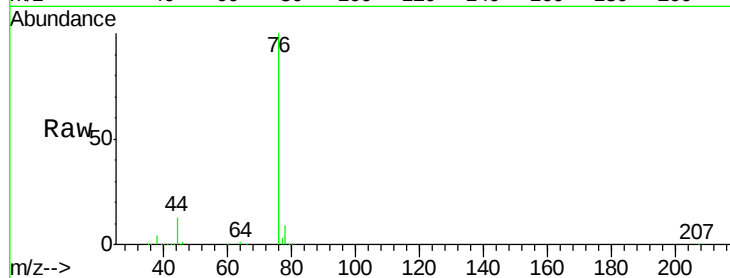
VU1205WBS02

Manual Integrations

APPROVED

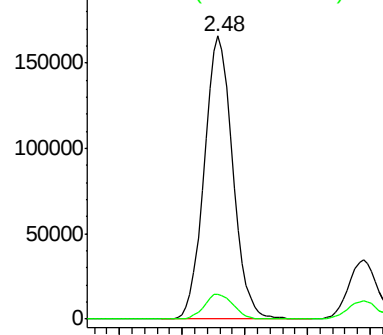
MMDadoda

12/6/2018 4:53:16 PM

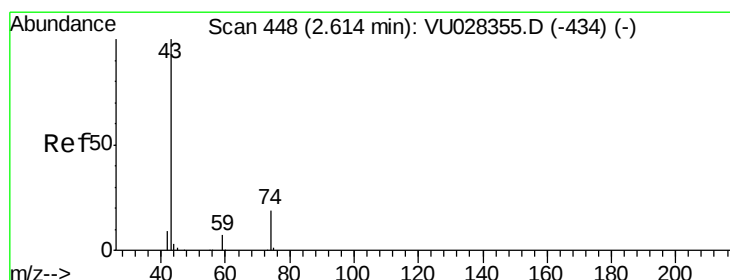
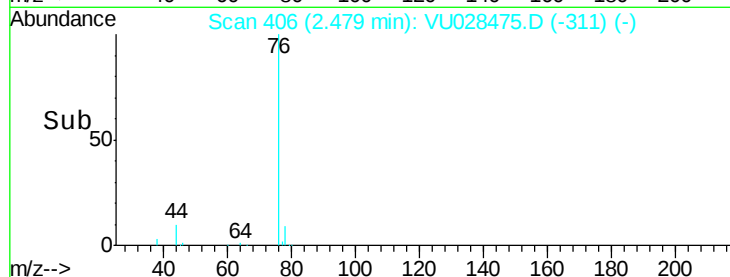


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#18

Methyl Acetate

Concen: 22.027 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028475.D

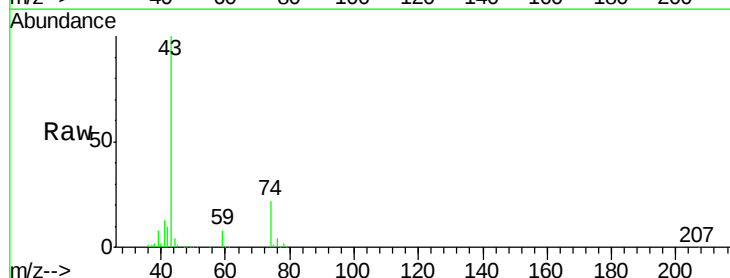
Acq: 05 Dec 2018 13:15

Tgt Ion: 43 Resp: 186505

Ion Ratio Lower Upper

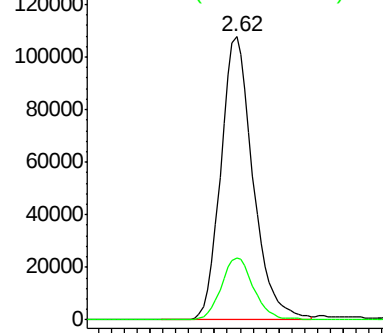
43 100

74 22.2 15.3 22.9

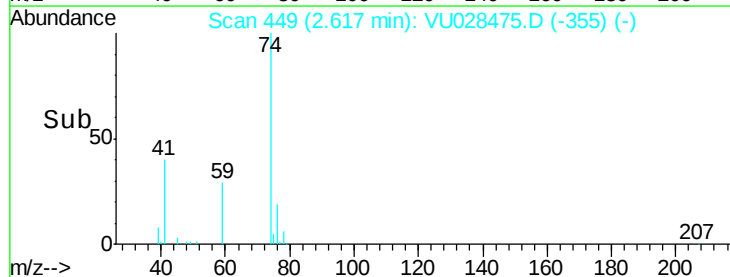


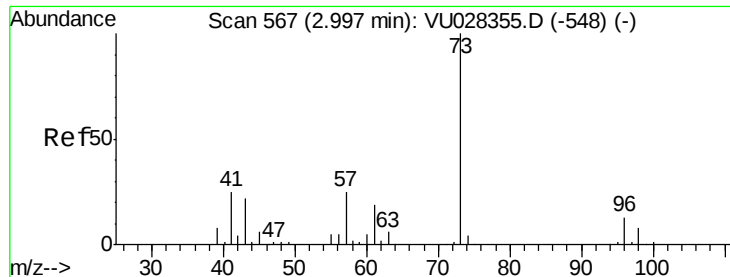
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



Time-->





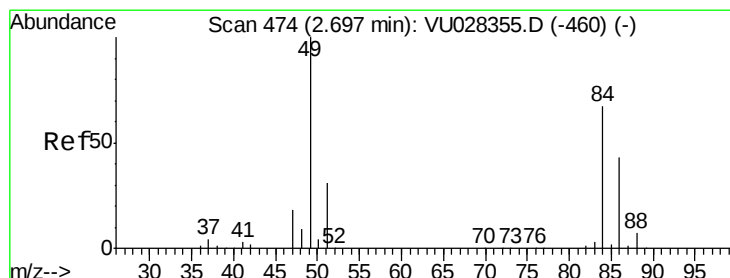
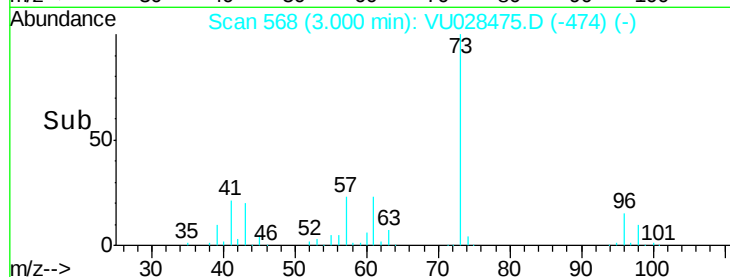
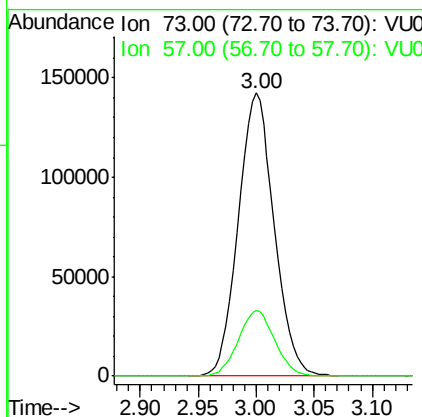
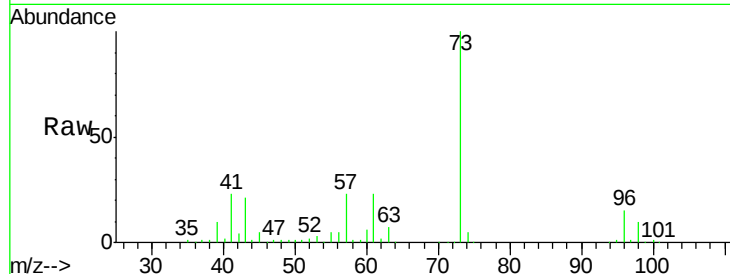
#19
Methyl tert-butyl Ether
Concen: 23.422 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion: 73 Resp: 305149
Ion Ratio Lower Upper
73 100
57 23.1 20.1 30.1

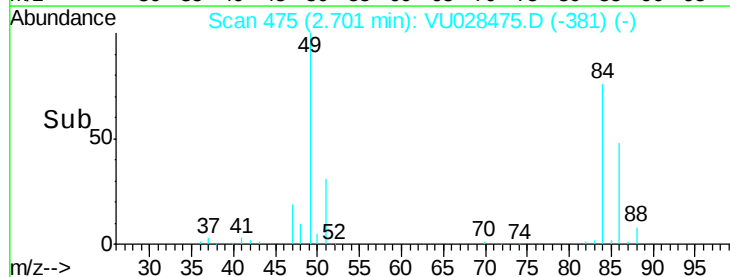
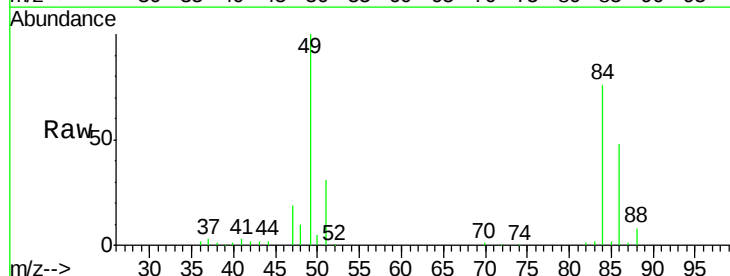
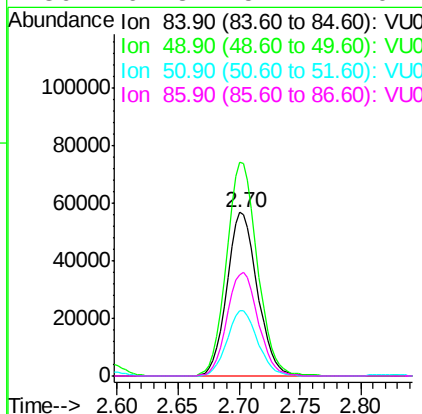
Manual Integrations
APPROVED

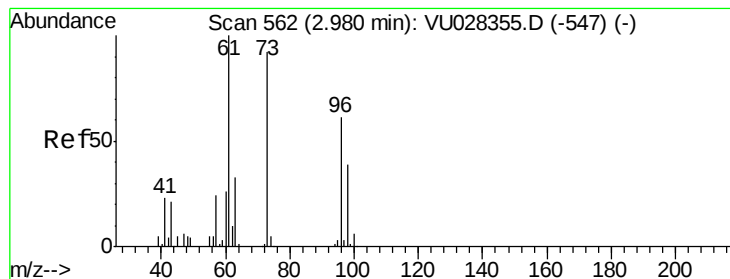
MMDadoda
12/6/2018 4:53:16 PM



#20
Methylene Chloride
Concen: 23.133 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 84 Resp: 99397
Ion Ratio Lower Upper
84 100
49 130.8 120.0 180.0
51 40.3 36.9 55.3
86 62.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 24.133 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 96 Resp: 88943

Ion Ratio Lower Upper

96 100

61 150.9 131.1 196.7

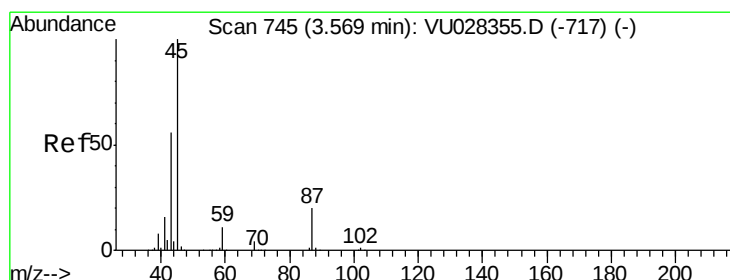
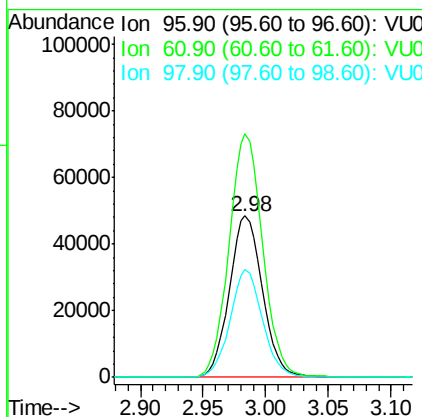
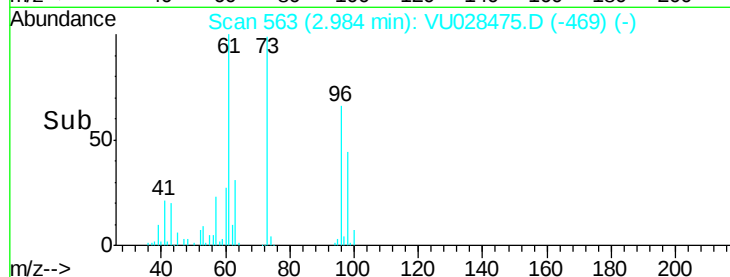
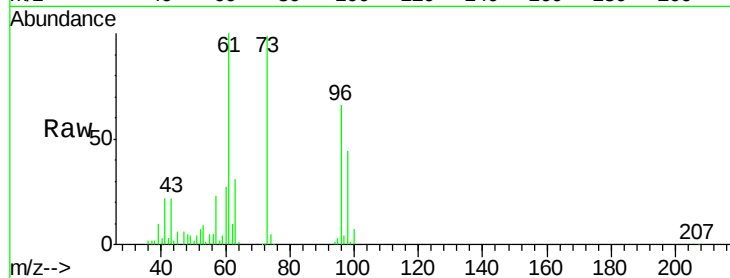
98 67.0 51.7 77.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.720 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion: 45 Resp: 355041

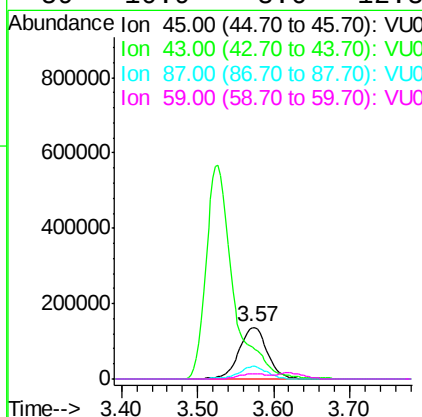
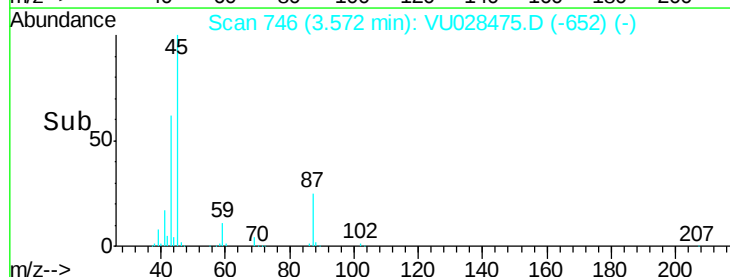
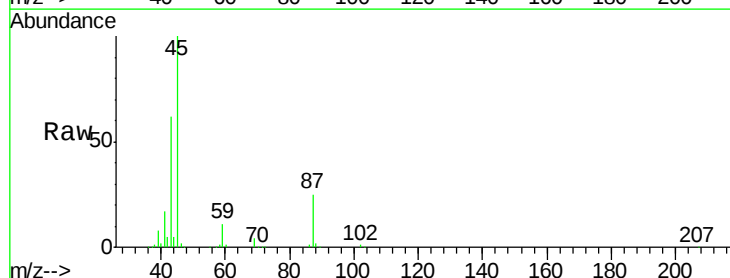
Ion Ratio Lower Upper

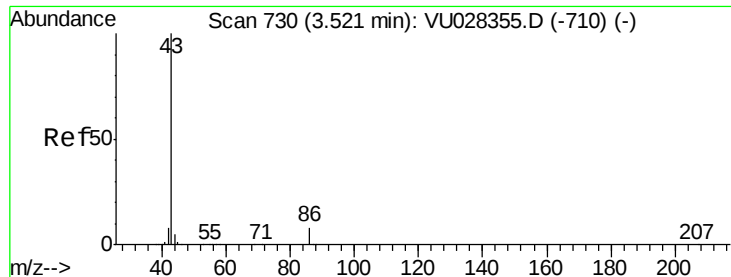
45 100

43 60.5 44.8 67.2

87 24.6 16.3 24.5#

59 10.9 8.6 12.8





#23

Vinyl Acetate

Concen: 103.778 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 43 Resp: 1410076

Ion Ratio Lower Upper

43 100

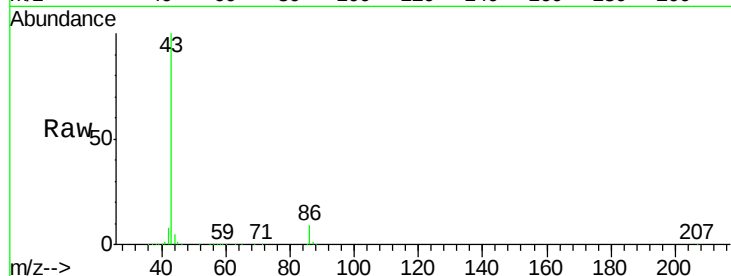
86 9.1 6.5 9.7

Manual Integrations

APPROVED

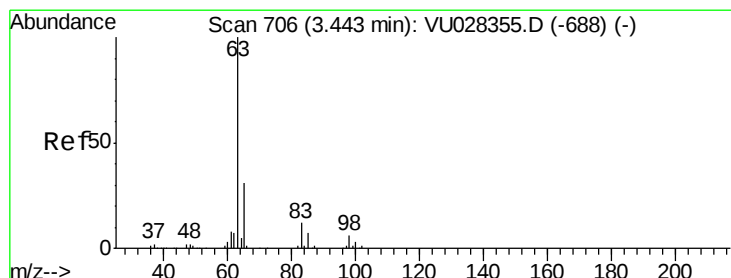
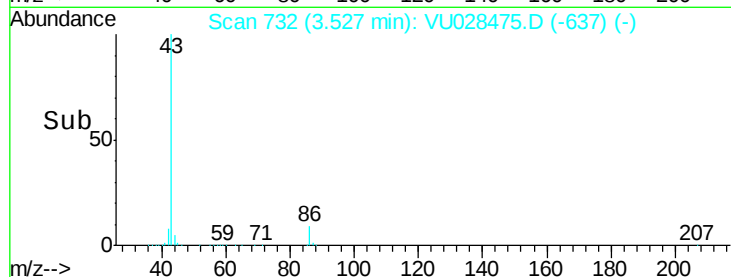
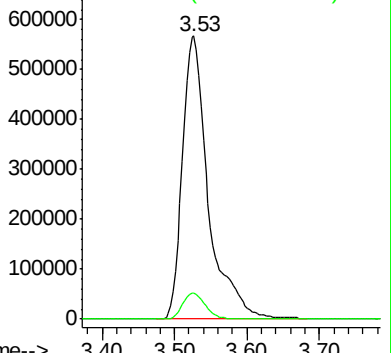
MMDadoda

12/6/2018 4:53:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 23.007 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

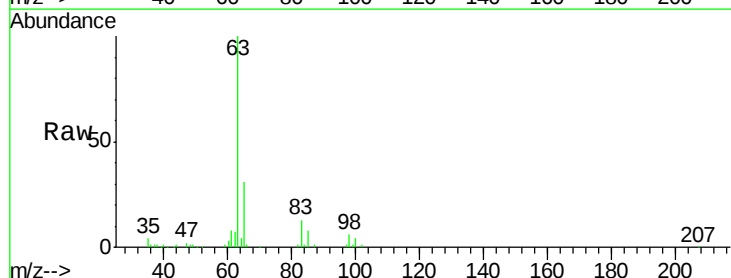
Tgt Ion: 63 Resp: 185421

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

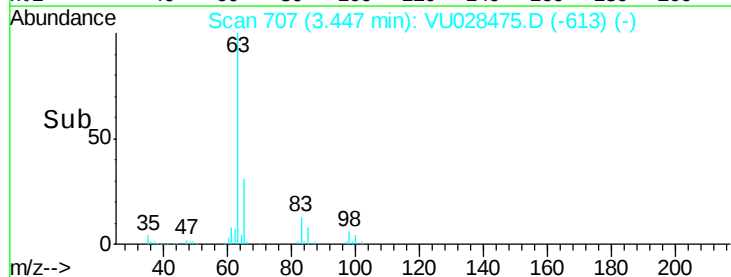
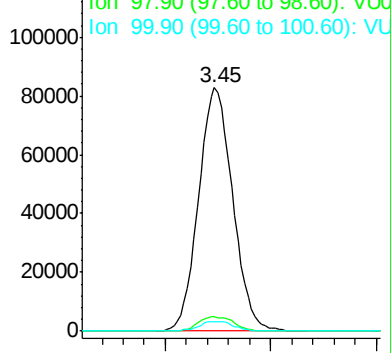
100 3.9 1.7 5.1

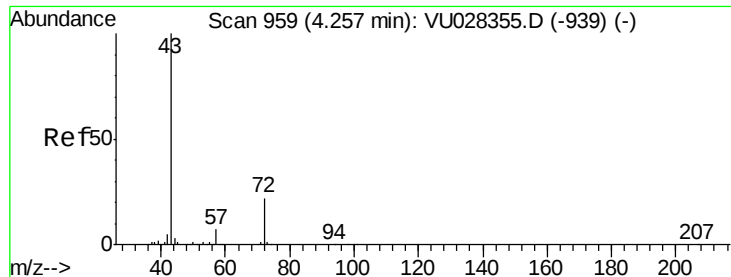


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 108.661 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.01 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 43 Resp: 473593

Ion Ratio Lower Upper

43 100

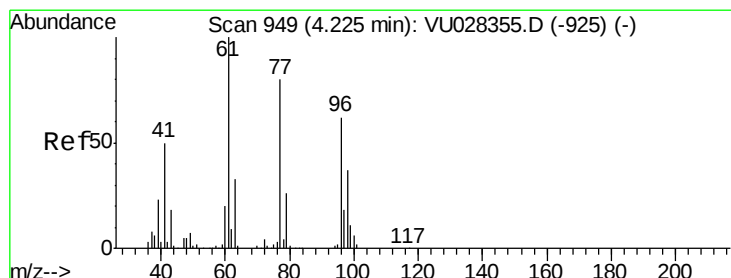
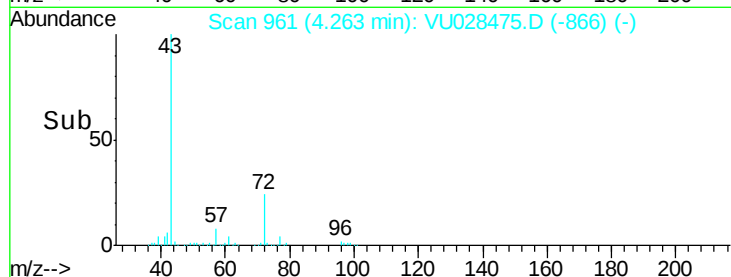
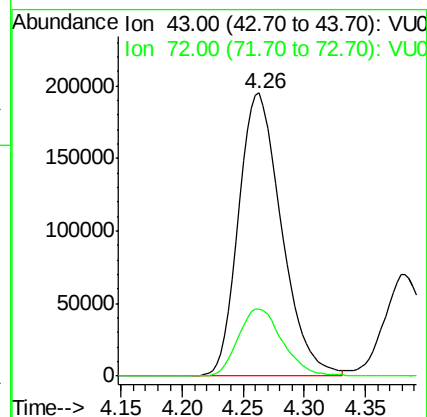
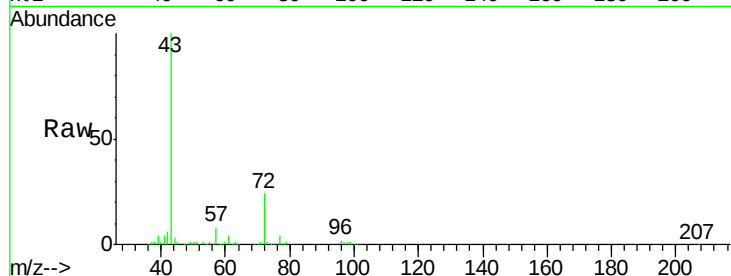
72 23.7 17.7 26.5

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#26

2,2-Dichloropropane

Concen: 22.936 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.01 min

Lab File: VU028475.D

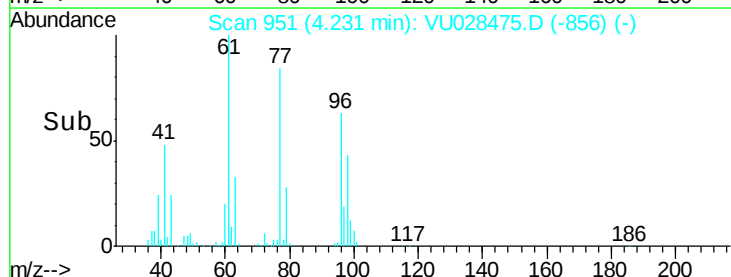
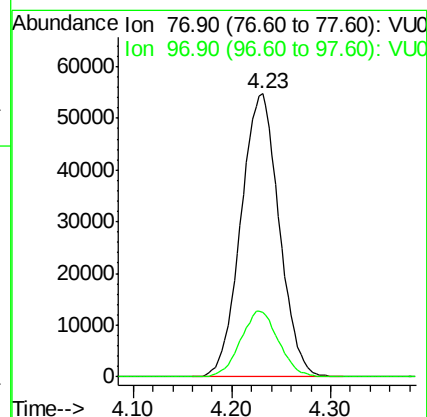
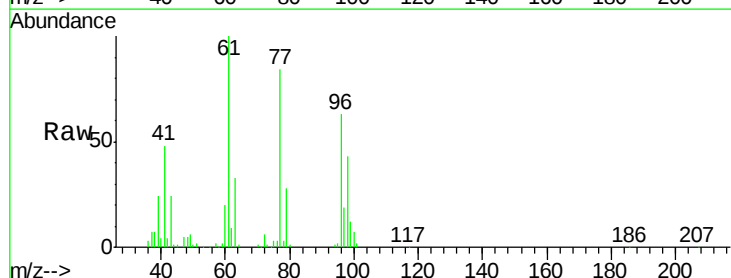
Acq: 05 Dec 2018 13:15

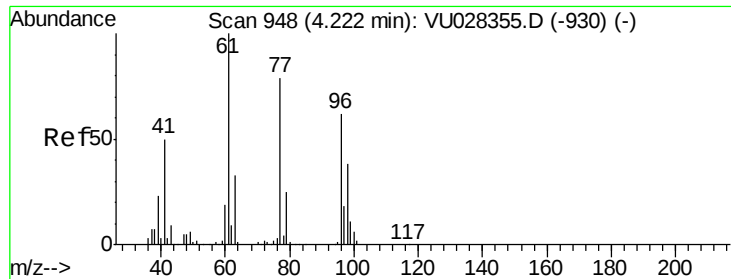
Tgt Ion: 77 Resp: 146802

Ion Ratio Lower Upper

77 100

97 23.2 10.7 32.1





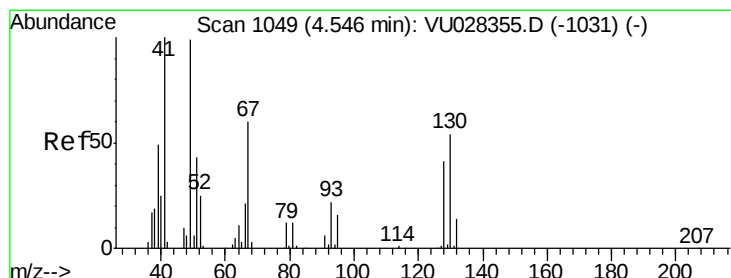
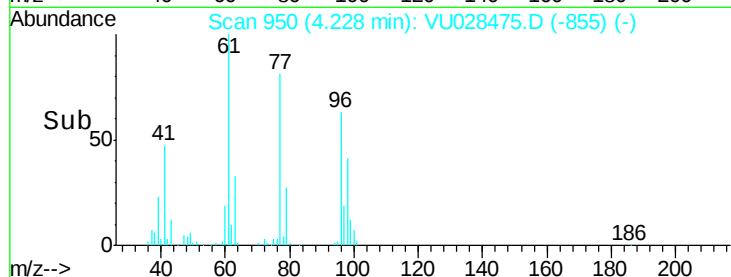
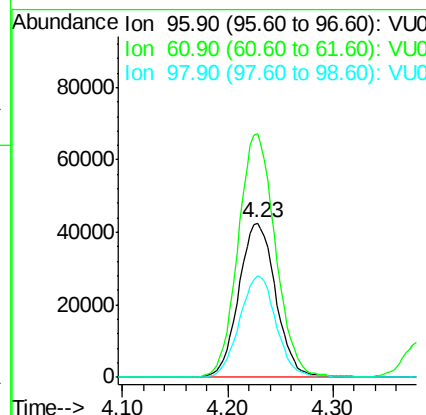
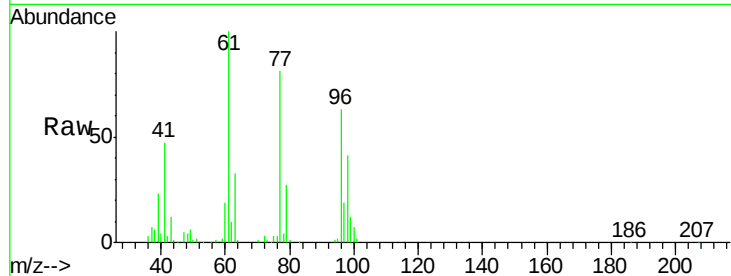
#27
 cis-1,2-Dichloroethene
 Concen: 23.818 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	159.6	0.0	342.0
98	65.0	0.0	126.4

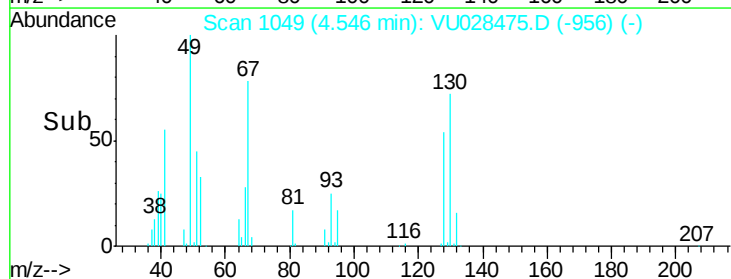
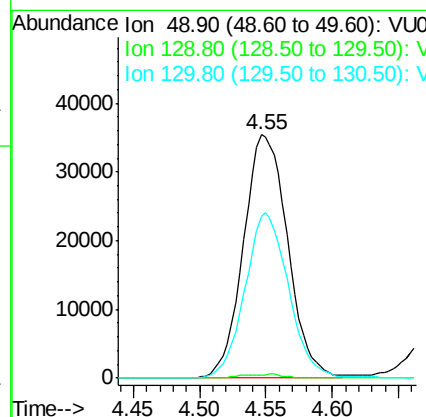
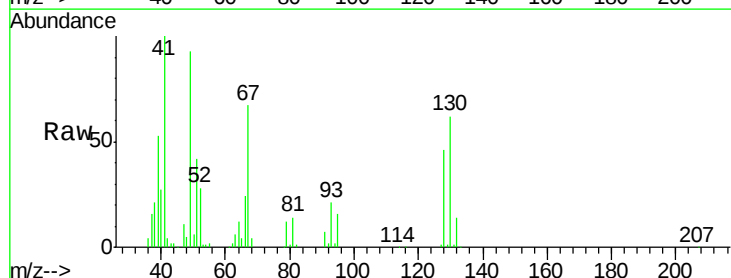
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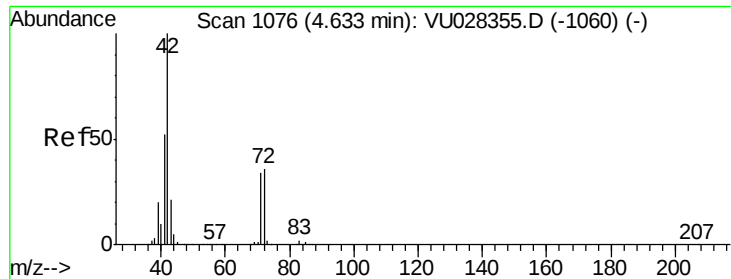
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#28
 Bromochloromethane
 Concen: 20.432 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
49	100		
129	1.4	0.0	2.6
130	66.5	44.5	66.7





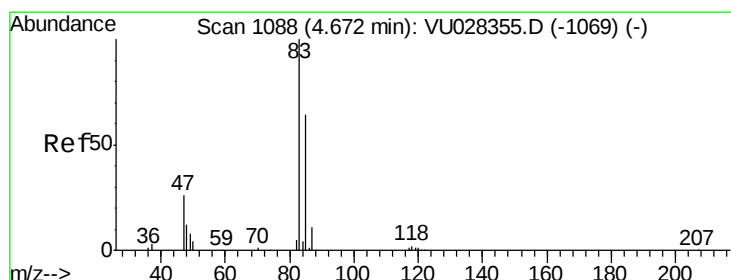
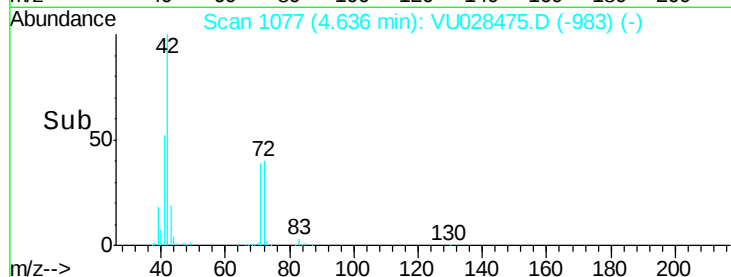
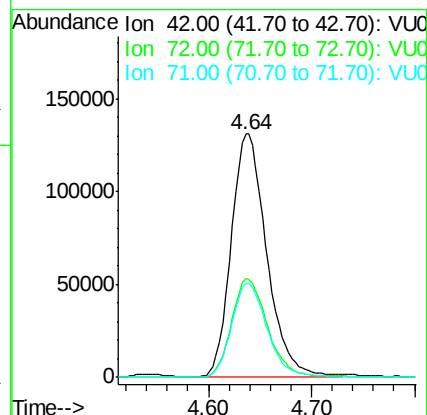
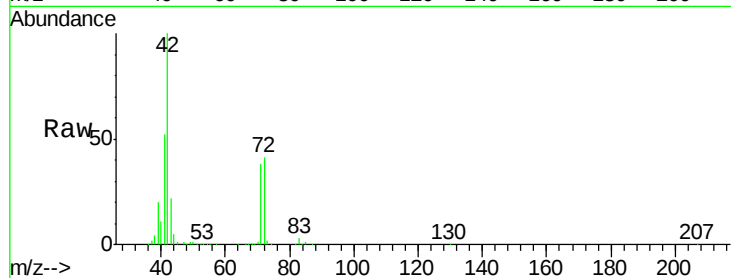
#29
Tetrahydrofuran
Concen: 110.609 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.6	29.5	44.3
71	38.9	27.7	41.5

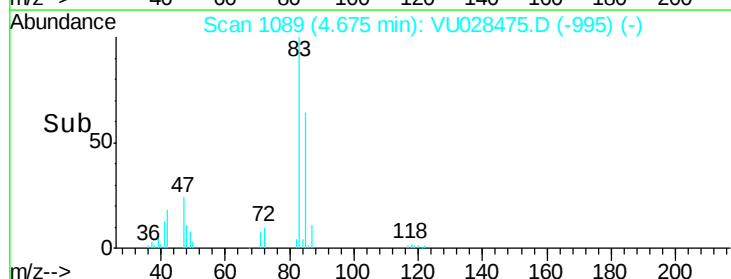
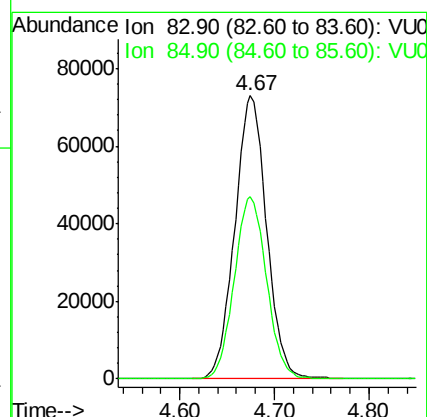
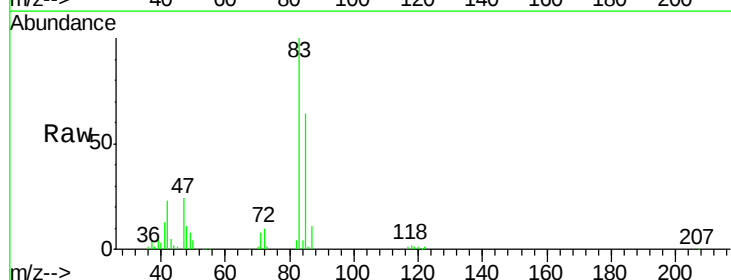
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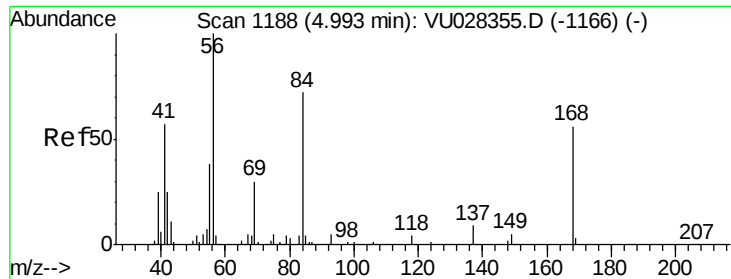
MMDadoda
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#30
Chloroform
Concen: 22.927 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.2	76.8





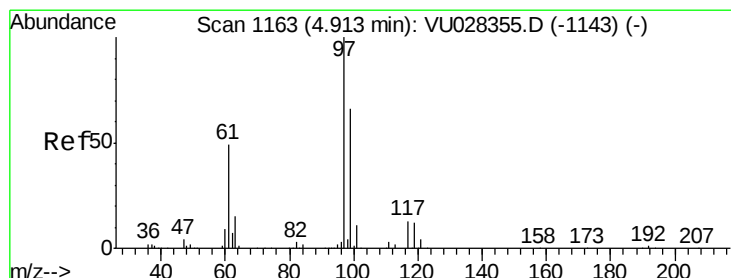
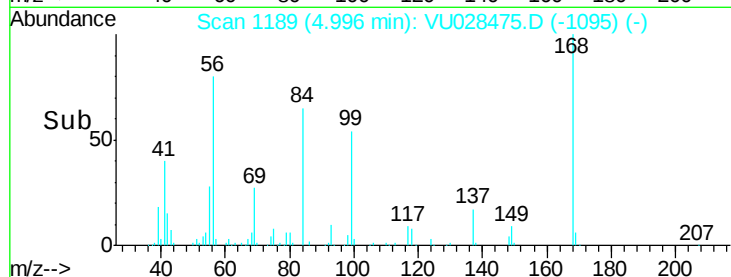
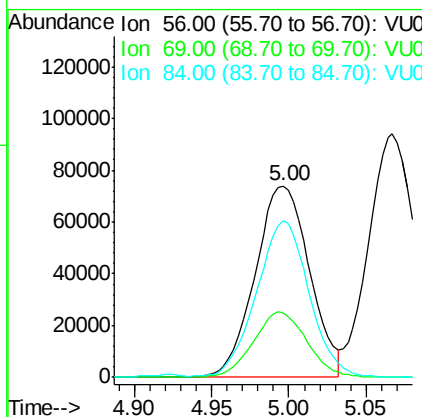
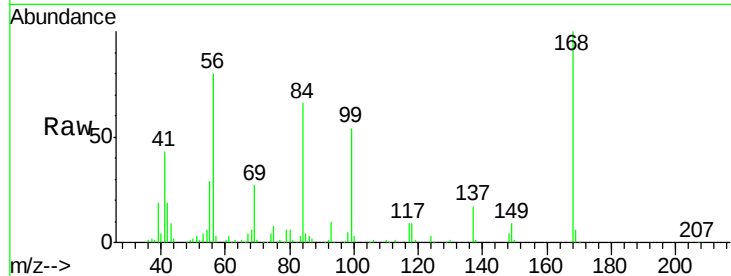
#31
Cyclohexane
Concen: 21.680 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.5	23.7	35.5
84	81.2	57.3	85.9

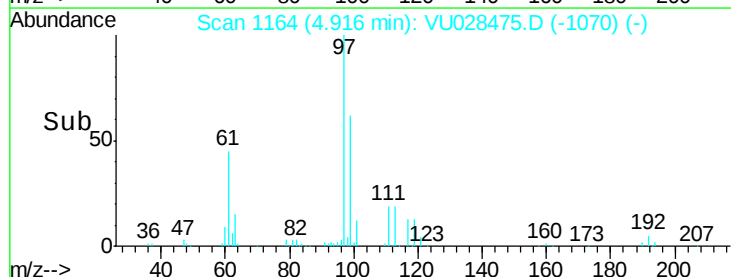
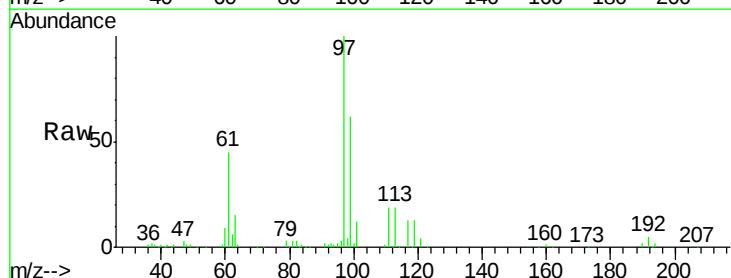
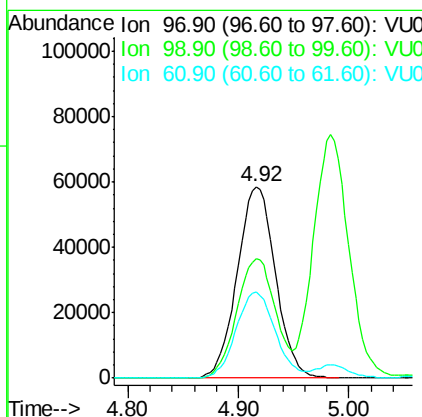
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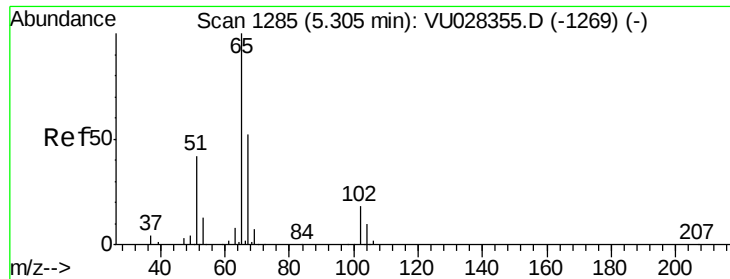
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 23.603 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.8	76.2
61	46.2	39.1	58.7





#33

1,2-Dichloroethane-d4

Concen: 57.517 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 65 Resp: 285943

Ion Ratio Lower Upper

65 100

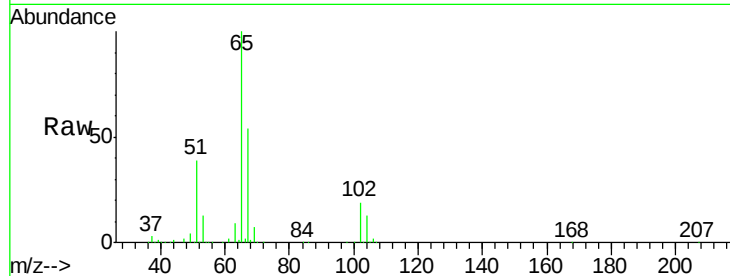
67 54.6 0.0 106.8

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Abundance Ion 64.90 (64.60 to 65.60): VU028355.D (-1269) (-)

Ion 66.90 (66.60 to 67.60): VU028355.D (-1269) (-)

5.31

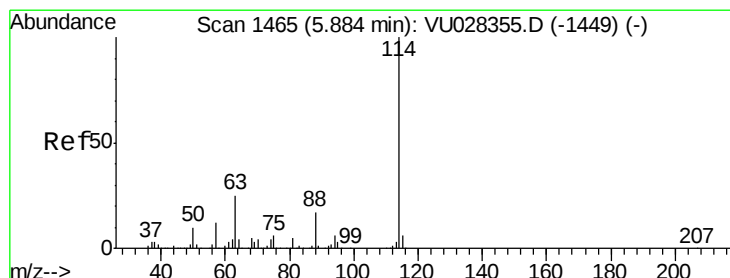
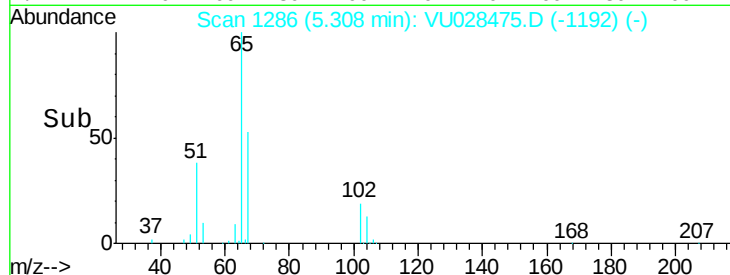
150000

100000

50000

0

Time--> 5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

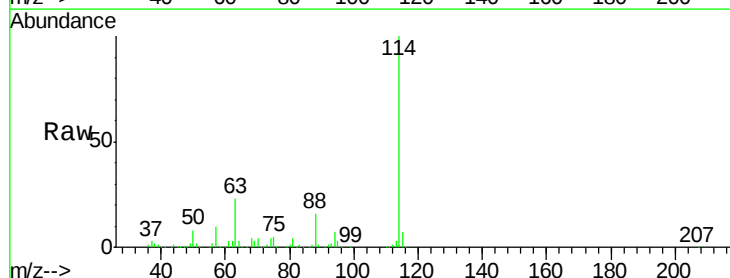
Tgt Ion: 114 Resp: 511798

Ion Ratio Lower Upper

114 100

63 23.5 0.0 50.0

88 16.3 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VU028355.D (-1449) (-)

Ion 63.00 (62.70 to 63.70): VU028355.D (-1449) (-)

Ion 87.90 (87.60 to 88.60): VU028355.D (-1449) (-)

5.89

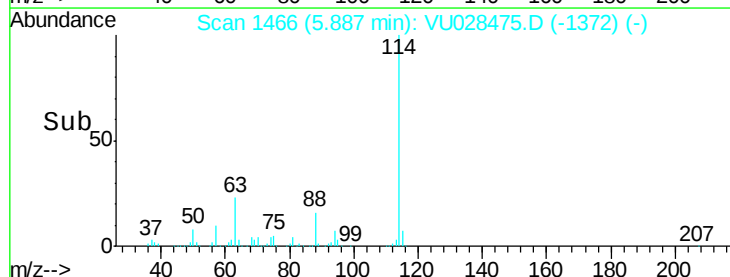
300000

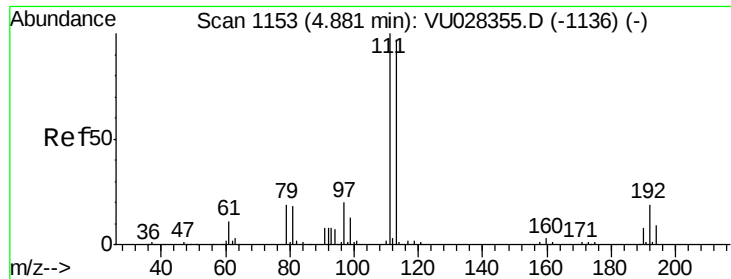
200000

100000

0

Time--> 5.80 5.90 6.00





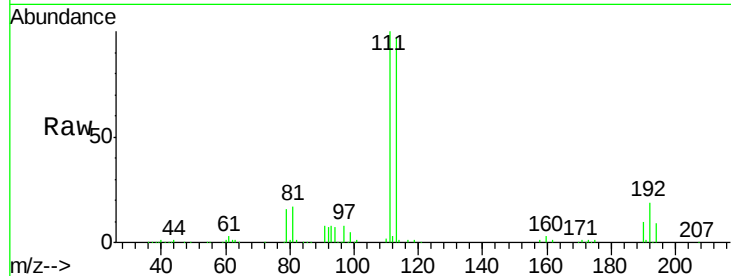
#35
Dibromofluoromethane
Concen: 63.291 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

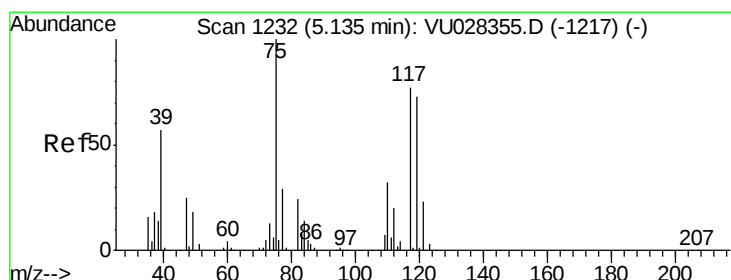
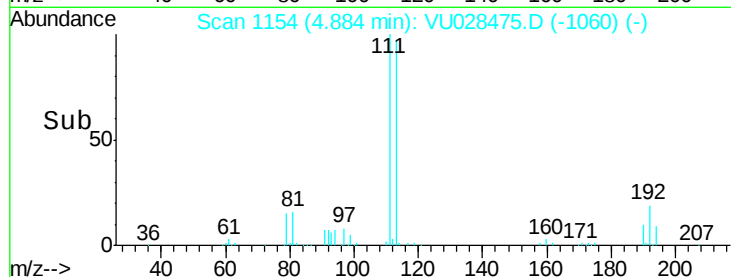
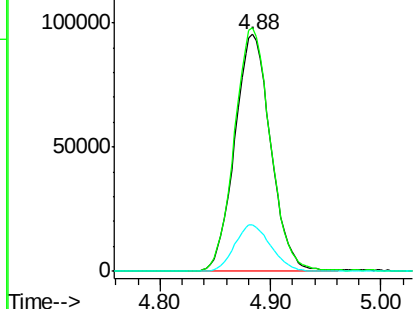
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	215396		
111	102.6	82.9	124.3	
192	19.8	15.4	23.0	

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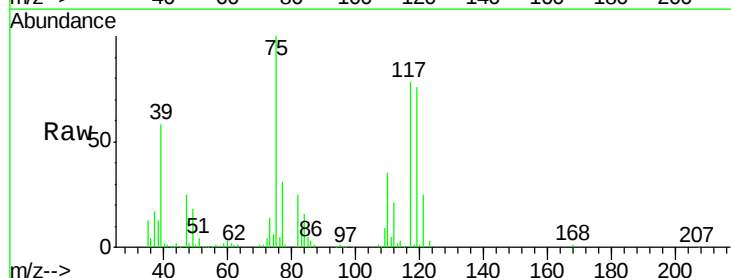


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

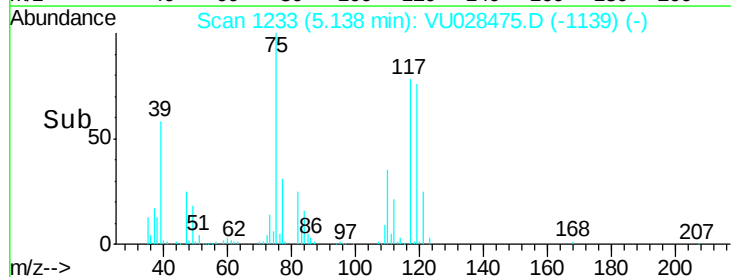
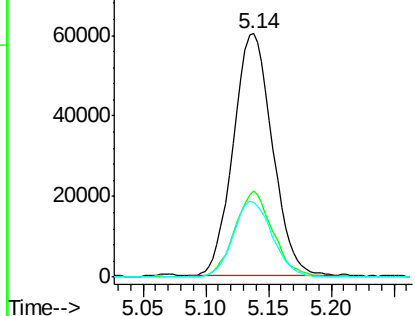


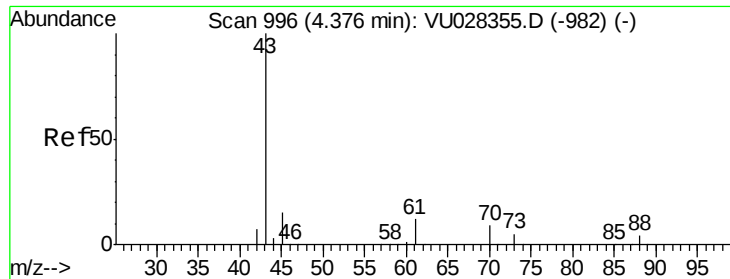
#36
1,1-Dichloropropene
Concen: 23.404 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131075		
110	34.5	15.8	47.4	
77	31.3	24.6	36.8	



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





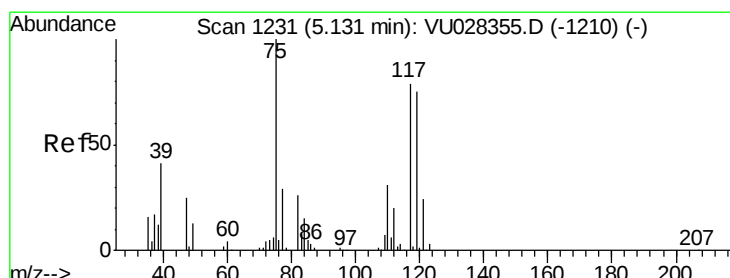
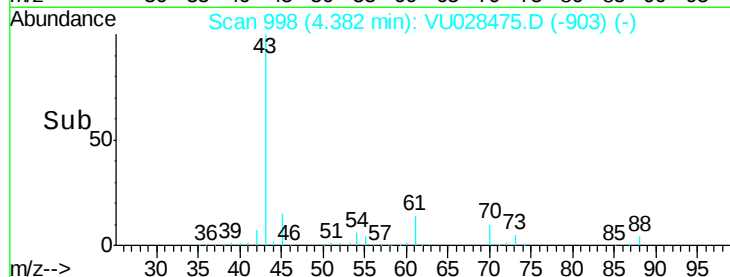
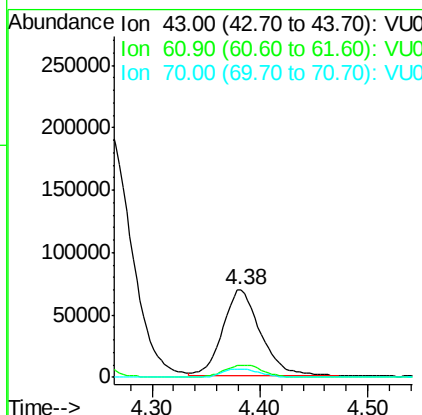
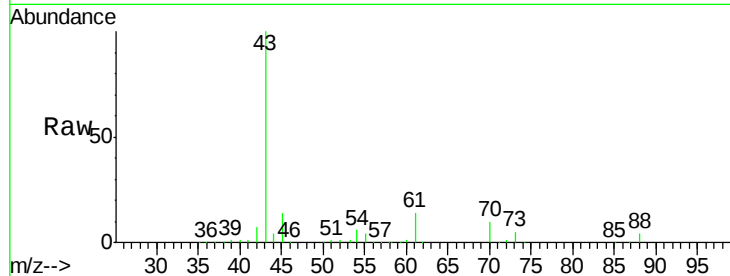
#37
Ethyl Acetate
Concen: 22.157 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.01 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.2	15.4
70	9.7	6.9	10.3

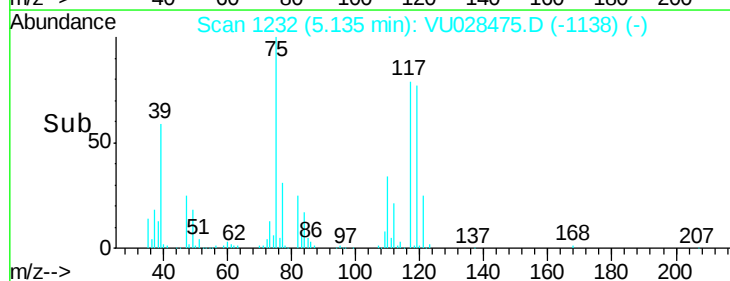
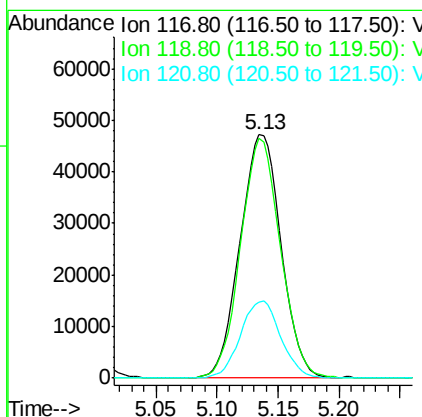
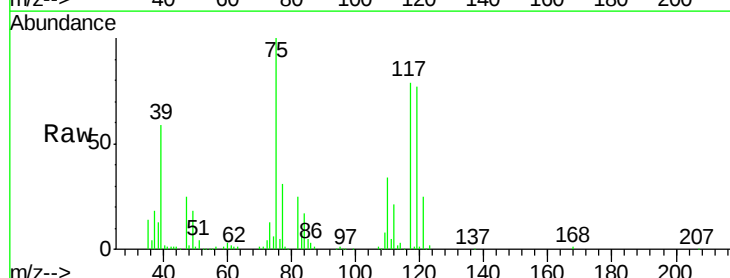
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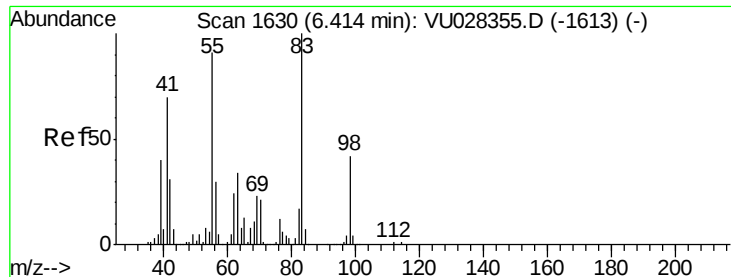
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#38
Carbon Tetrachloride
Concen: 23.694 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.3	114.5
121	31.4	24.7	37.1





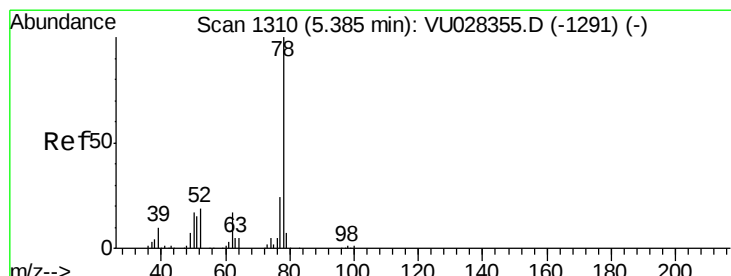
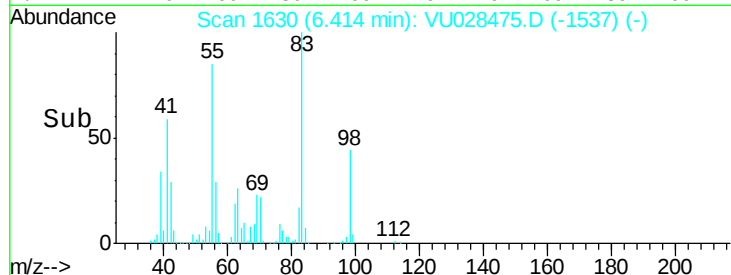
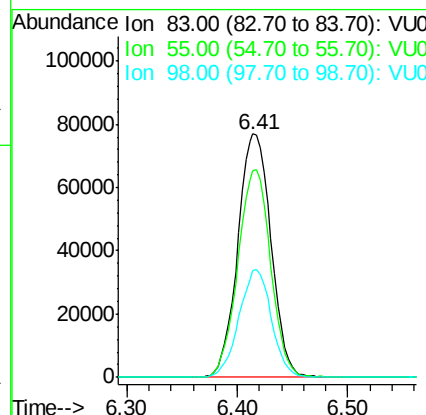
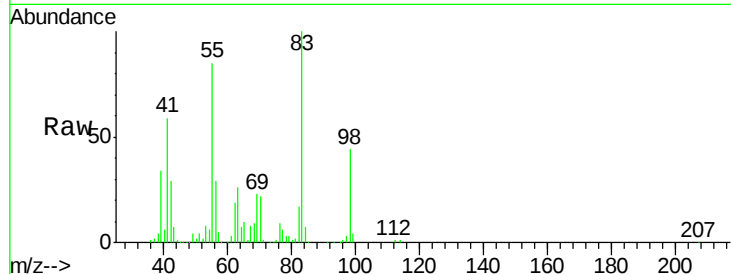
#39
Methylcyclohexane
Concen: 24.258 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	160176		
55	84.7	73.1	109.7	
98	43.9	33.9	50.9	

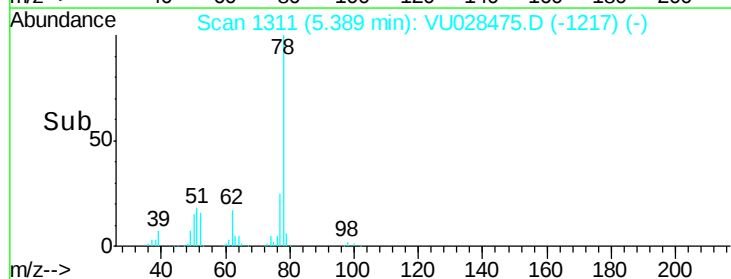
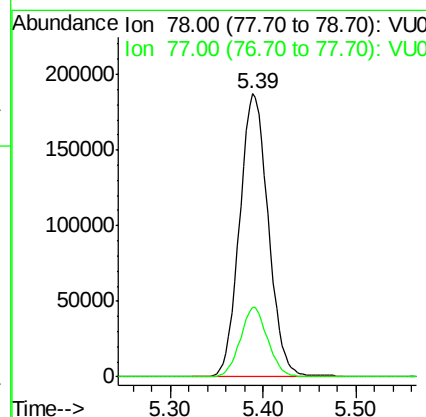
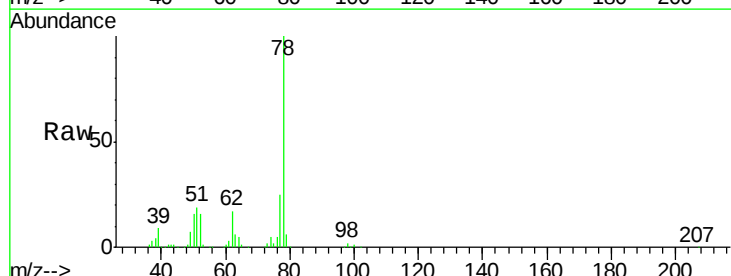
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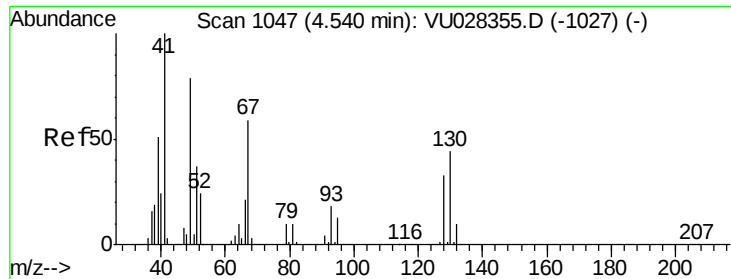
MMDadoda
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#40
Benzene
Concen: 24.262 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	402440		
77	24.7	19.0	28.6	





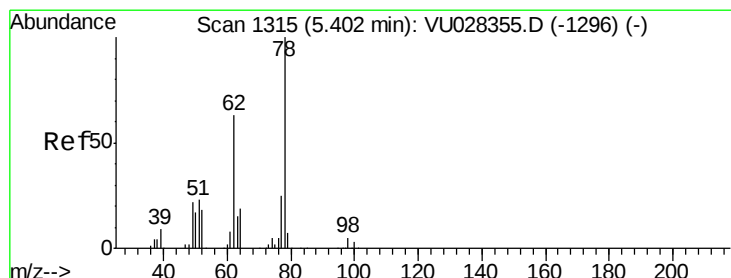
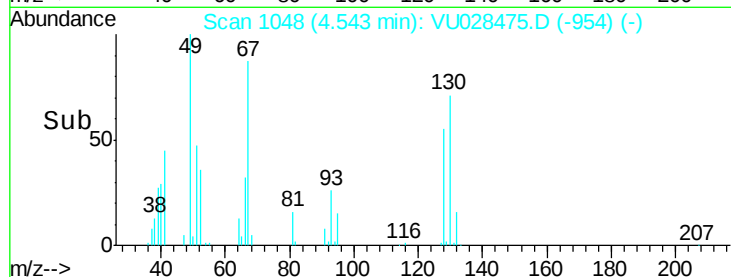
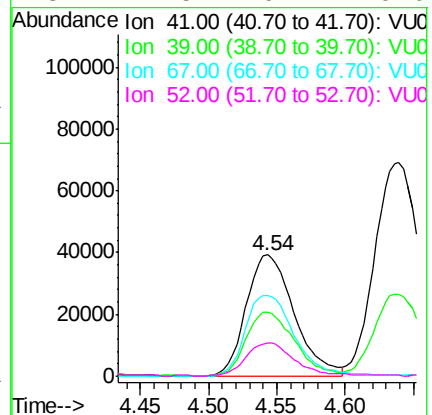
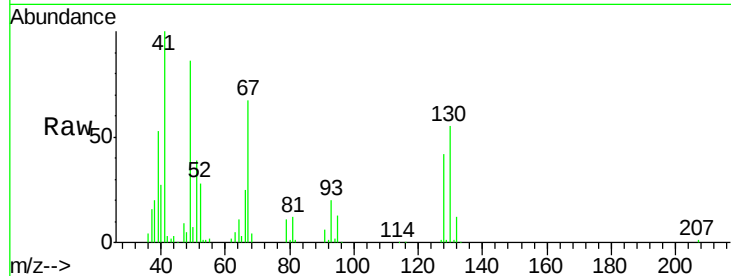
#41
Methacrylonitrile
Concen: 22.686 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	41.3	61.9	
67	68.5	48.6	73.0	
52	27.5	19.4	29.0	

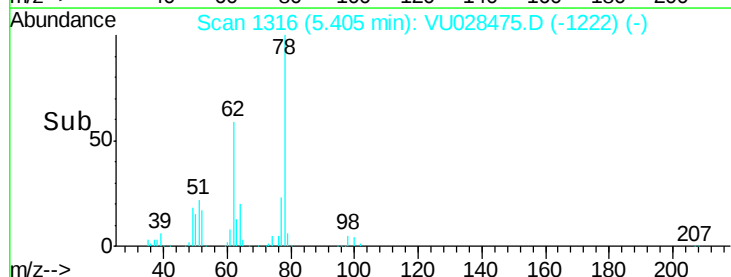
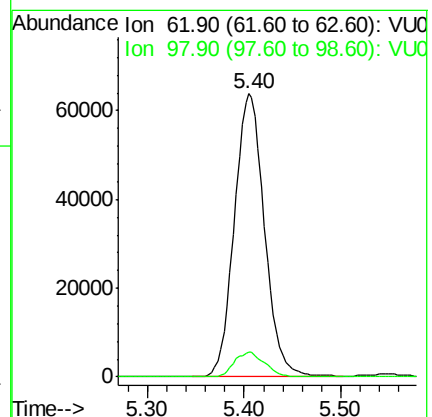
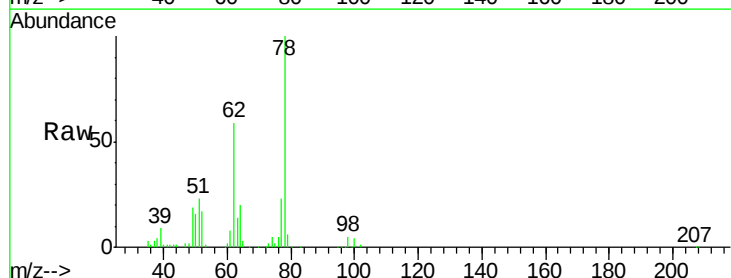
Manual Integrations
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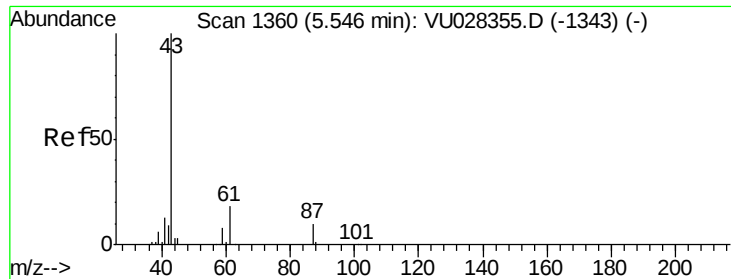
MMDadoda
12/6/2018 4:53:16 PM



#42
1,2-Dichloroethane
Concen: 23.138 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	15.4	





#43

Isopropyl Acetate

Concen: 22.923 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

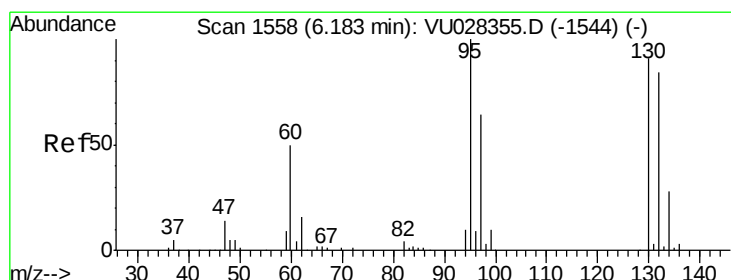
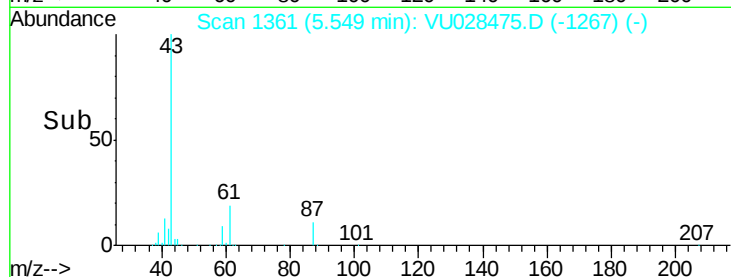
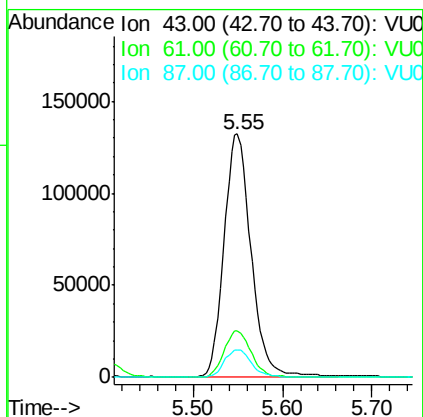
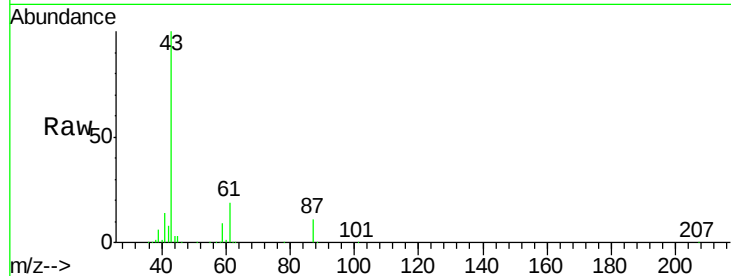
ClientSampleId :

VU1205WBS02

Tgt Ion:	43	Resp:	277242
Ion	Ratio	Lower	Upper
43	100		
61	19.4	14.5	21.7
87	11.6	8.4	12.6

Manual Integrations
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#44

Trichloroethene

Concen: 26.170 ug/l

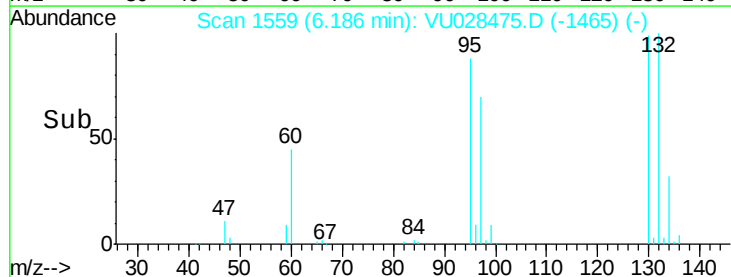
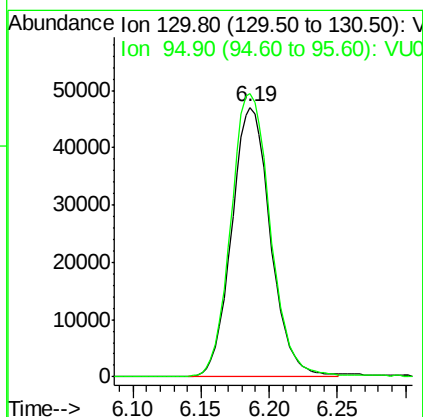
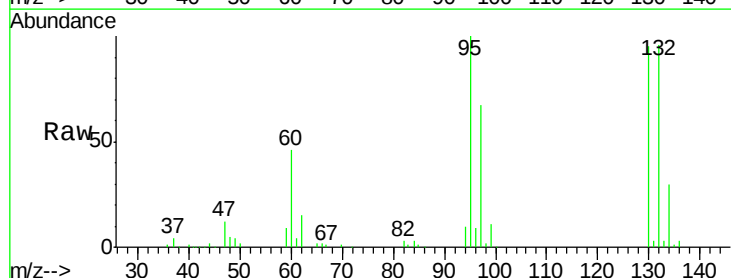
RT: 6.19 min Scan# 1559

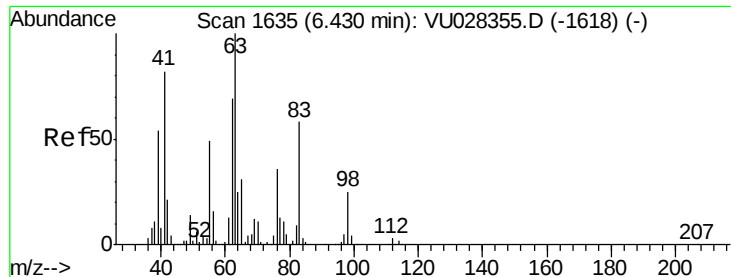
Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion:	130	Resp:	93049
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	219.8





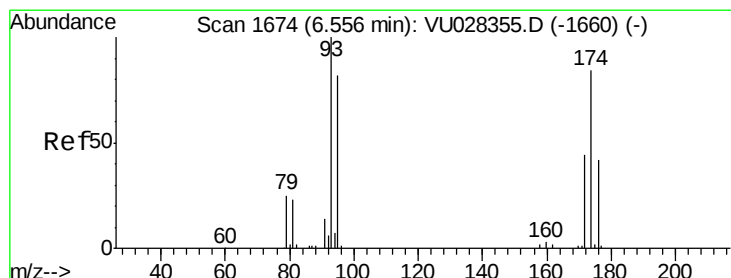
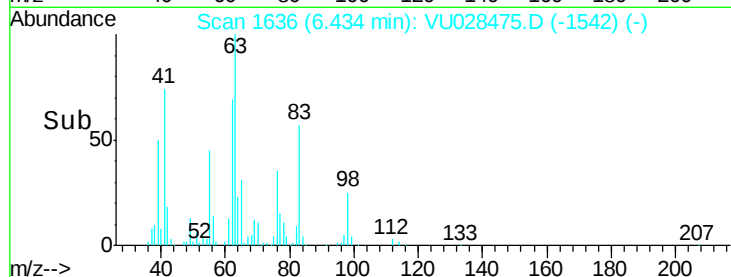
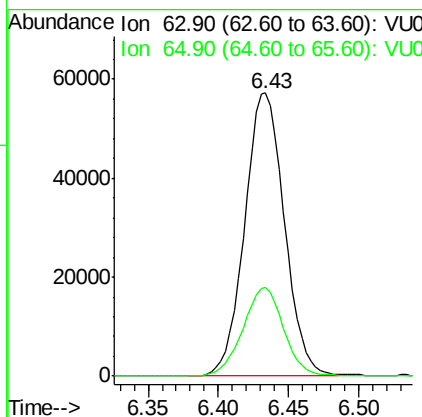
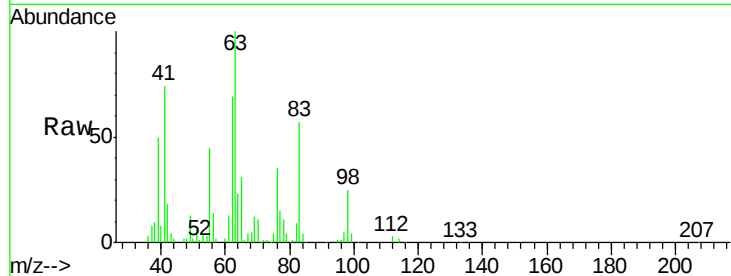
#45
 1,2-Dichloropropane
 Concen: 23.243 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion: 63 Resp: 112903
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.1 37.7

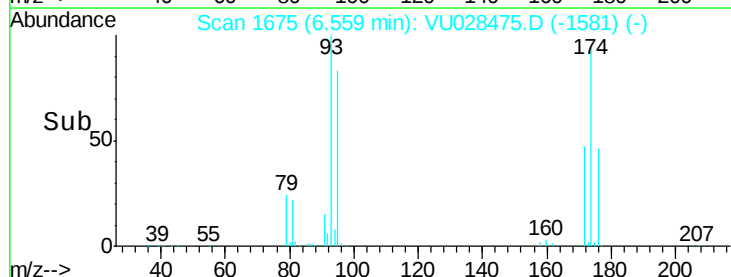
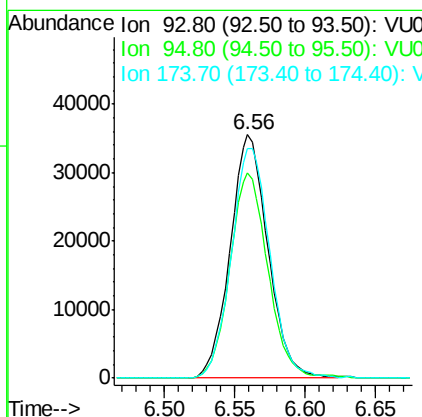
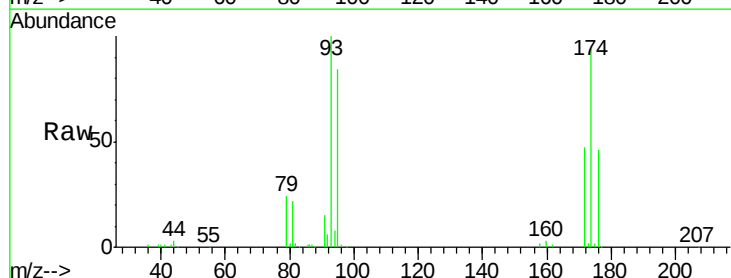
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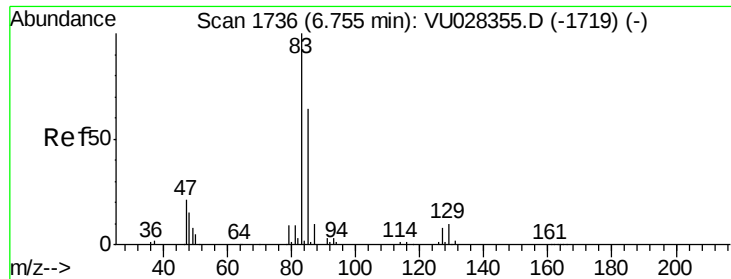
MMDadoda
 12/6/2018 4:53:16 PM



#46
 Dibromomethane
 Concen: 23.914 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion: 93 Resp: 66724
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.1 97.7
 174 96.2 69.9 104.9





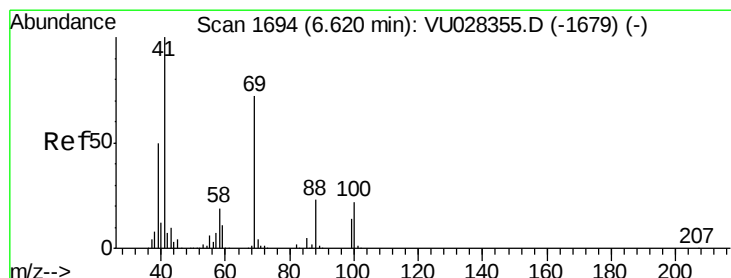
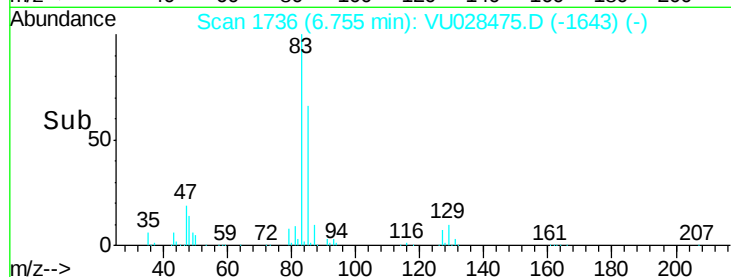
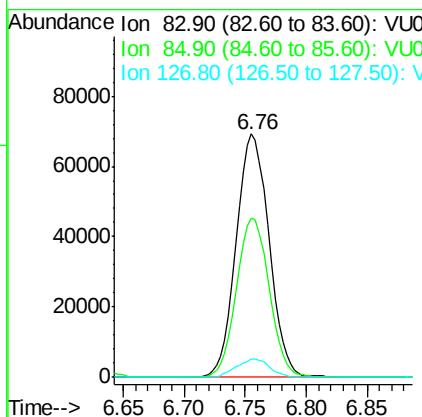
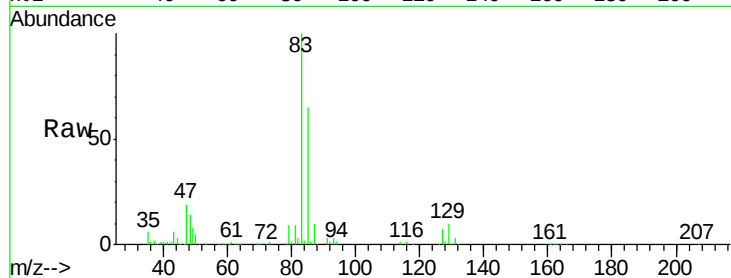
#47
Bromodichloromethane
Concen: 23.303 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.9	76.3
127	7.4	6.2	9.4

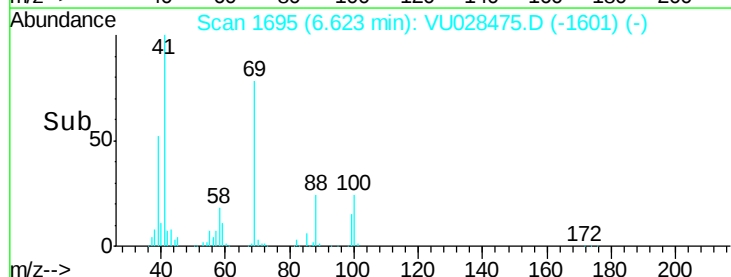
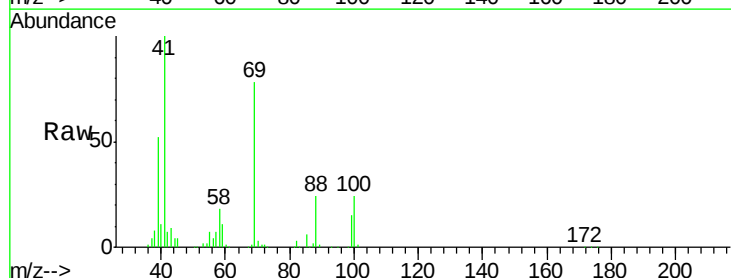
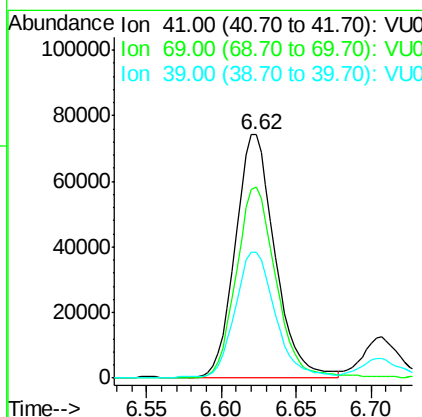
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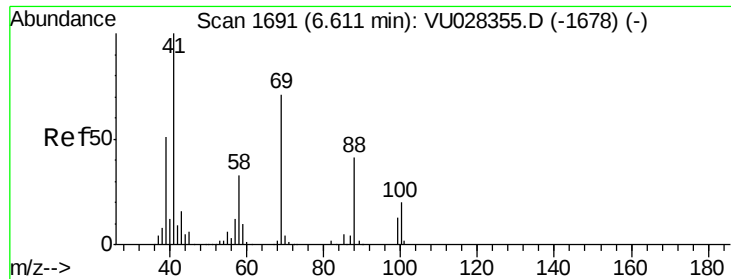
MMDadoda
12/6/2018 4:53:16 PM



#48
Methyl methacrylate
Concen: 21.658 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.0	59.0	88.4
39	52.6	40.5	60.7





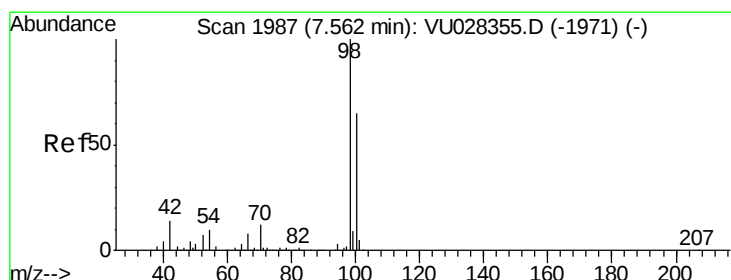
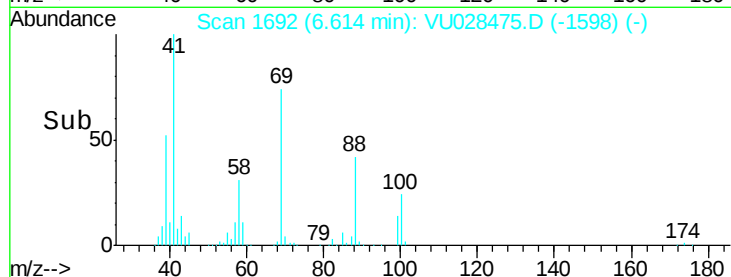
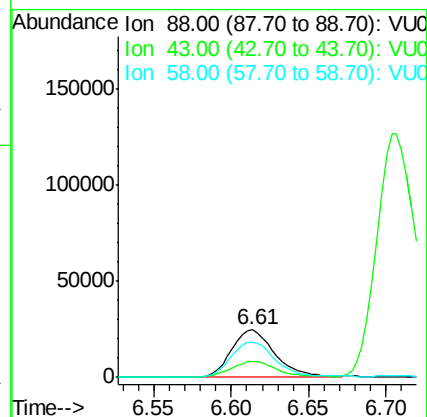
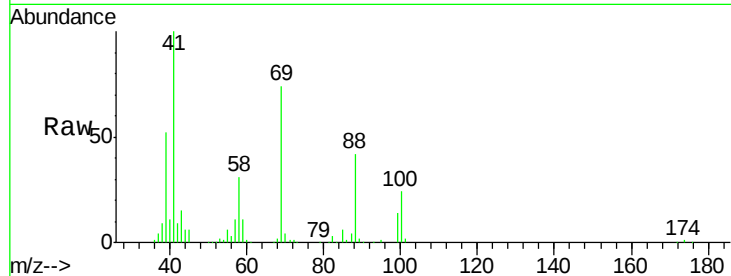
#49
1,4-Dioxane
Concen: 470.220 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion: 88 Resp: 47325
Ion Ratio Lower Upper
88 100
43 35.1 32.6 48.8
58 78.7 68.7 103.1

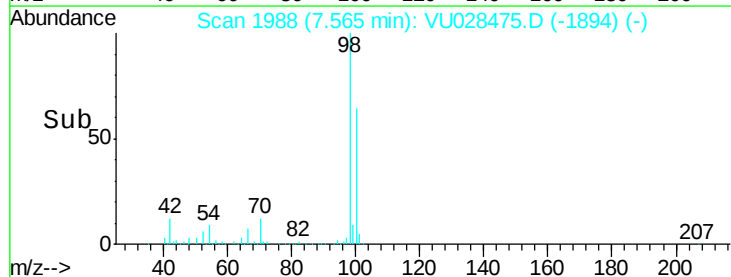
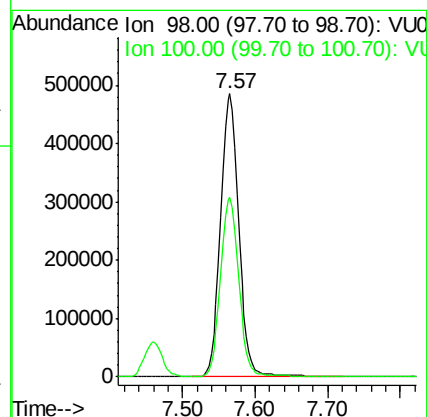
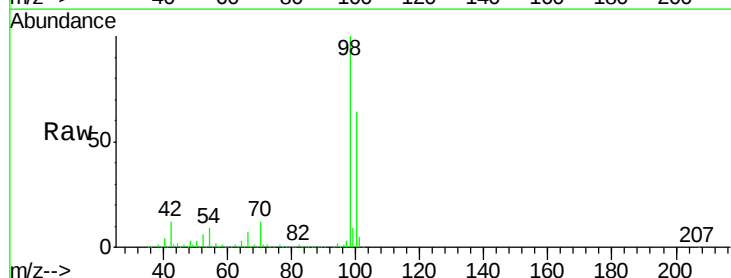
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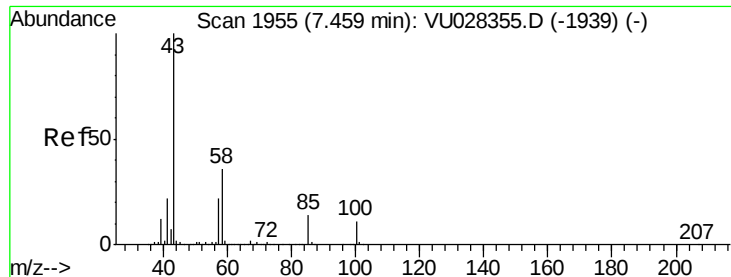
MMDadoda
12/6/2018 4:53:16 PM



#50
Toluene-d8
Concen: 62.543 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 98 Resp: 851249
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 112.018 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 43 Resp: 865290

Ion Ratio Lower Upper

43 100

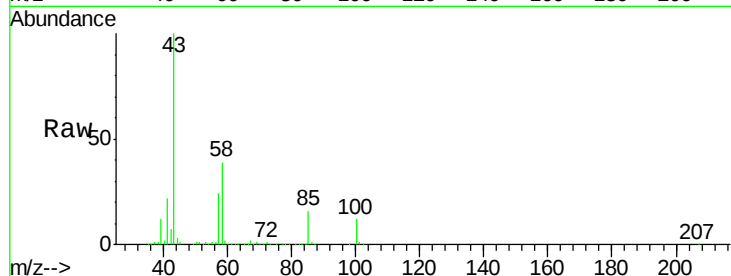
58 38.7 28.8 43.2

Manual Integrations

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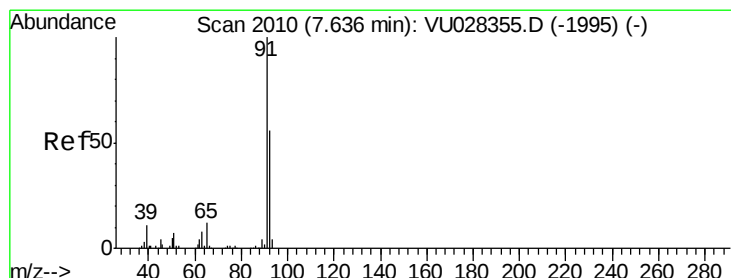
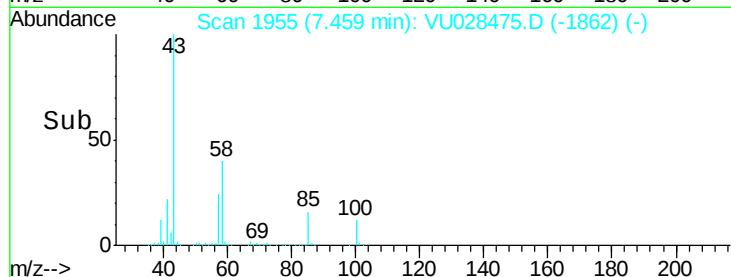
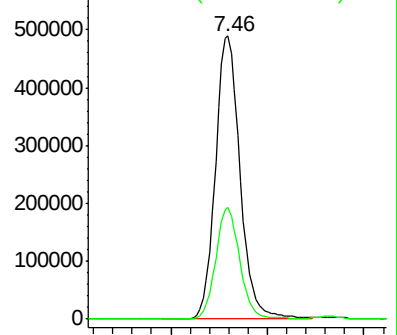
MMDadoda

12/6/2018 4:53:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 25.210 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028475.D

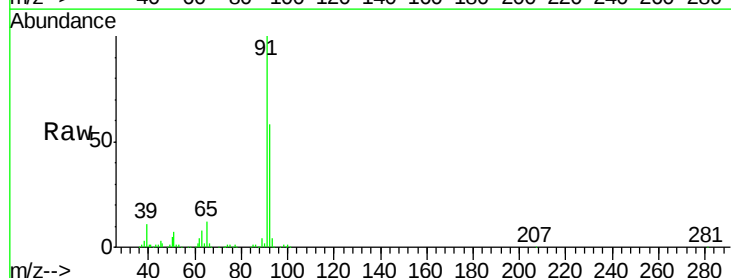
Acq: 05 Dec 2018 13:15

Tgt Ion: 92 Resp: 240801

Ion Ratio Lower Upper

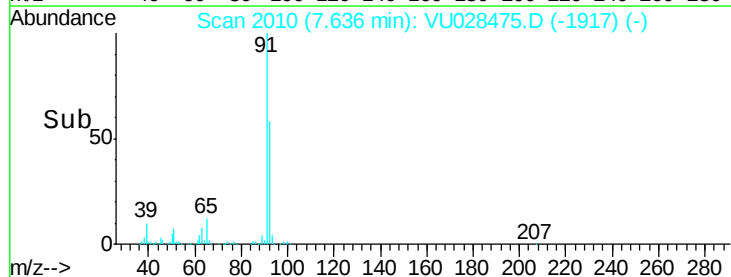
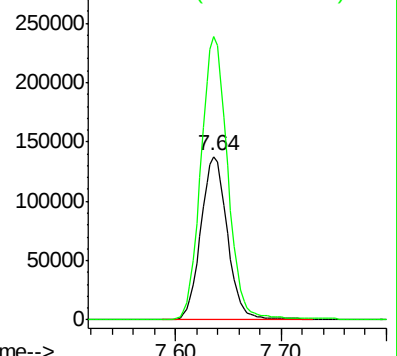
92 100

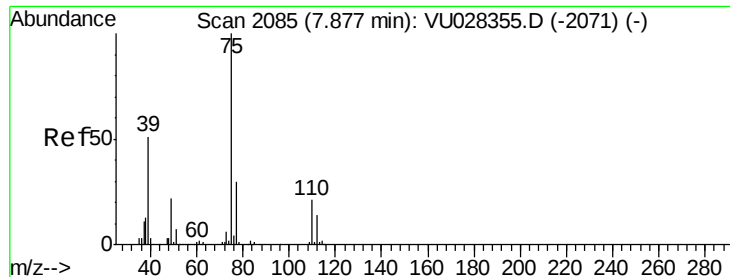
91 173.6 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 23.473 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 75 Resp: 155773

Ion Ratio Lower Upper

75 100

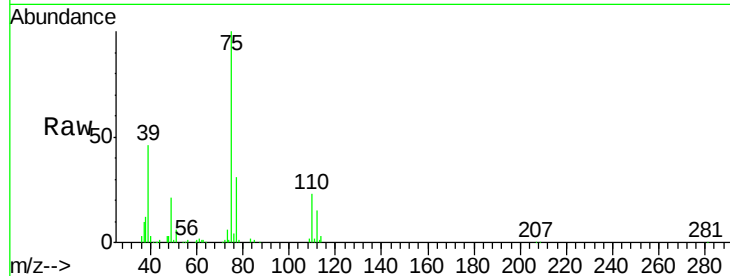
77 30.9 24.1 36.1

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

100000

80000

60000

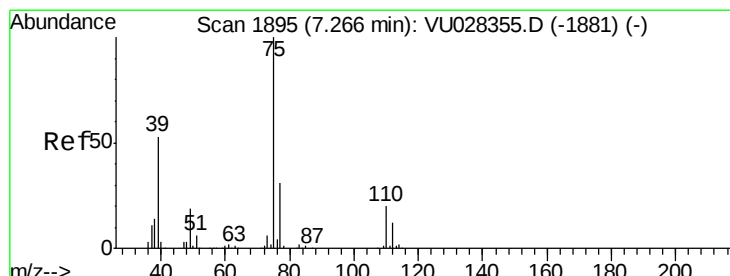
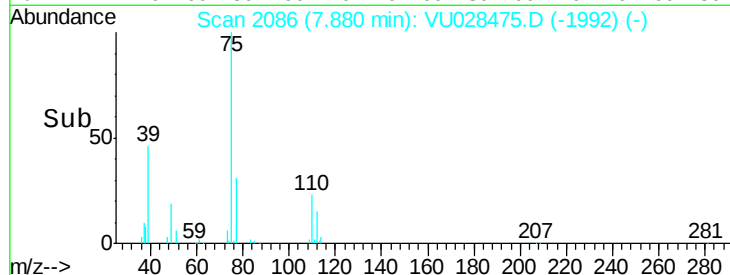
40000

20000

0

7.80 7.85 7.90 7.95 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 23.762 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

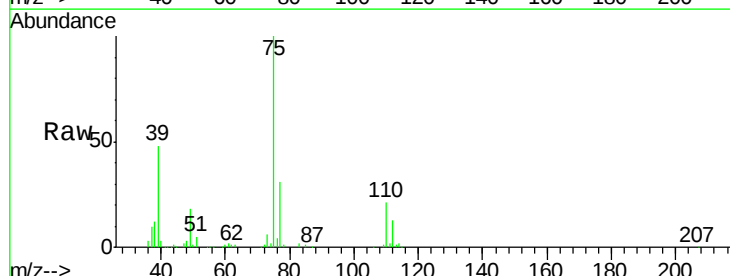
Tgt Ion: 75 Resp: 168931

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3

39 47.7 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

120000

100000

80000

60000

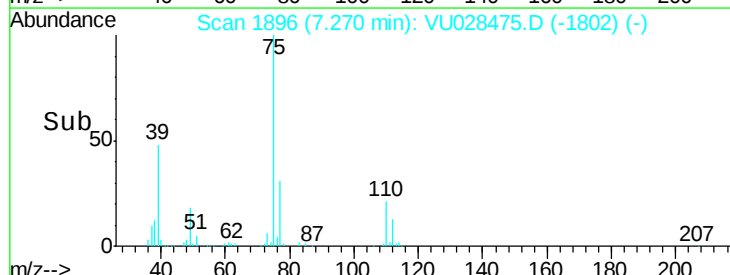
40000

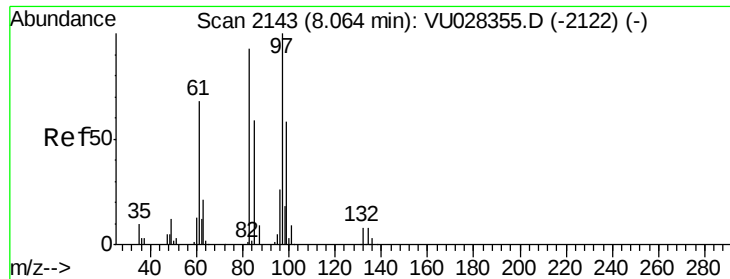
20000

0

7.20 7.25 7.30 7.35

Time-->





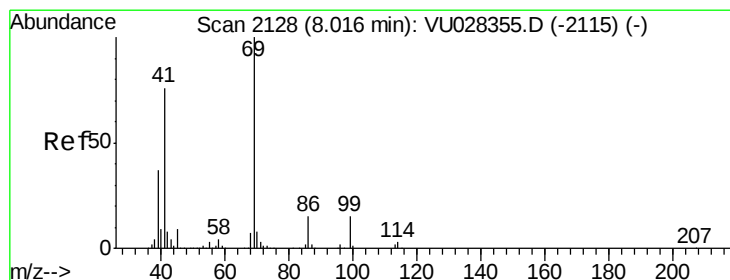
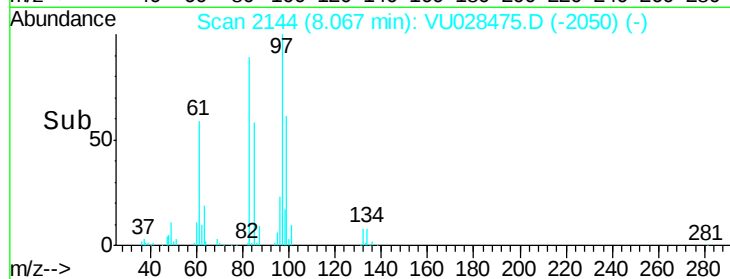
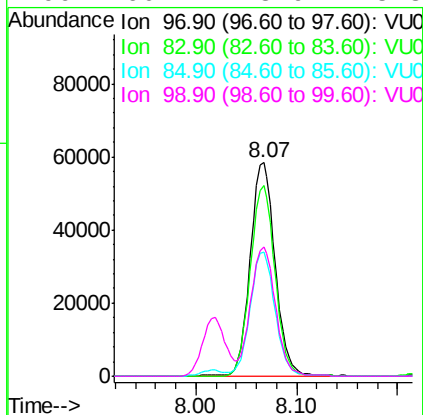
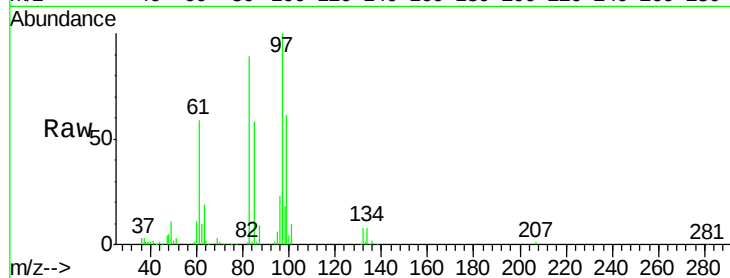
#55
 1,1,2-Trichloroethane
 Concen: 25.016 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	74.3	111.5
85	58.2	47.2	70.8
99	60.7	48.9	73.3

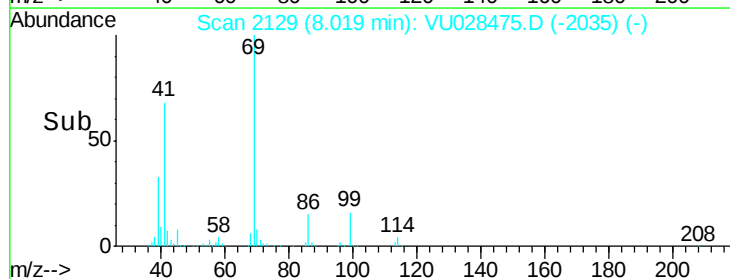
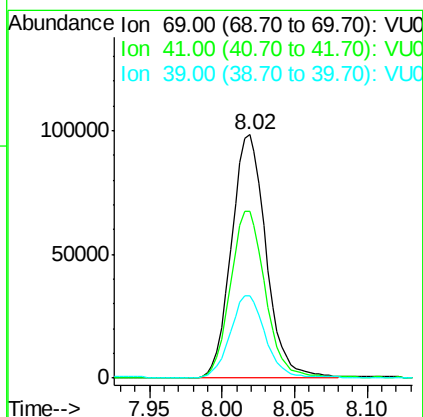
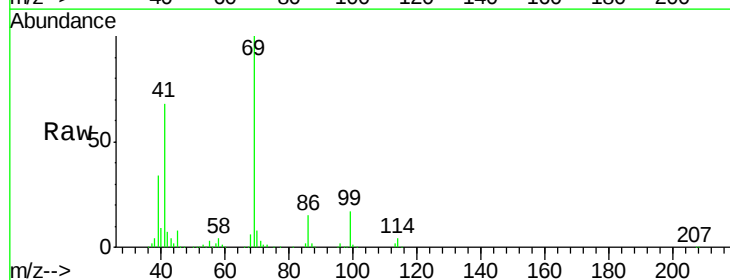
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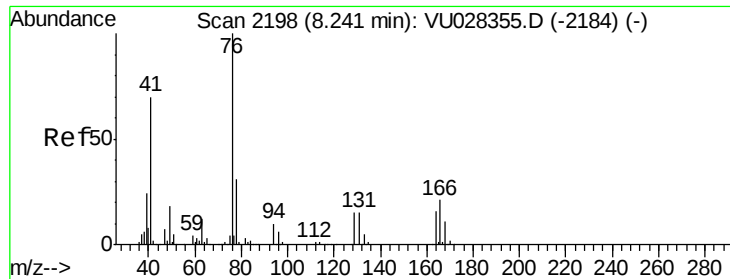
MMDadoda
 12/6/2018 4:53:16 PM



#56
 Ethyl methacrylate
 Concen: 24.175 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.0	60.0	90.0
39	33.6	29.0	43.6





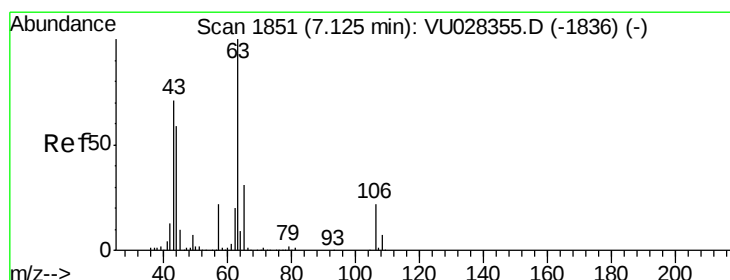
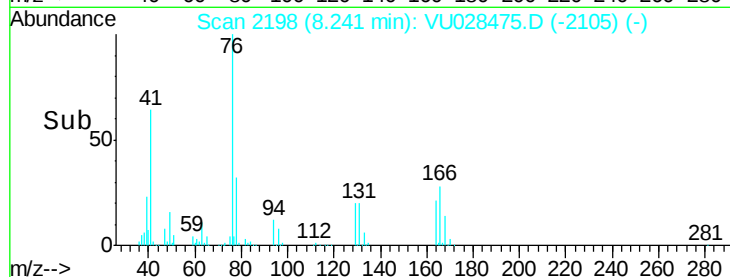
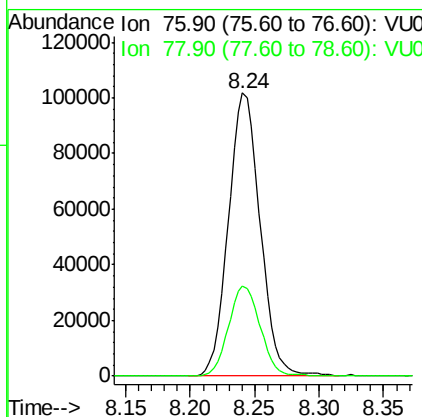
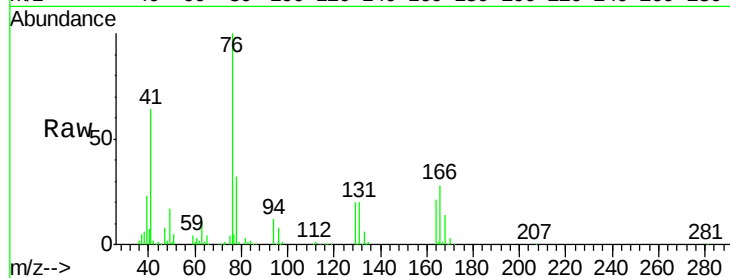
#57
 1,3-Dichloropropane
 Concen: 23.849 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion: 76 Resp: 173860
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.0

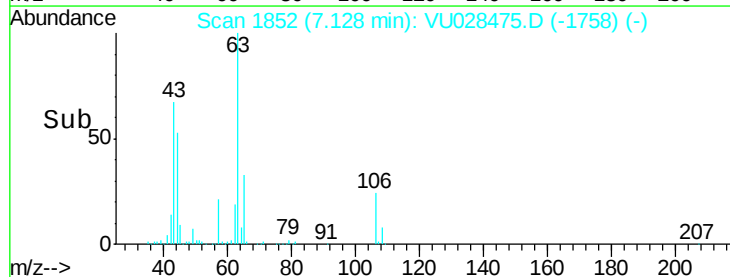
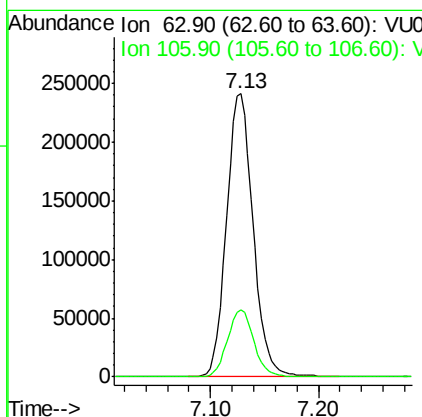
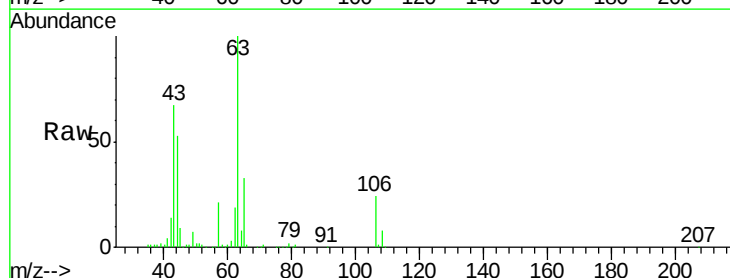
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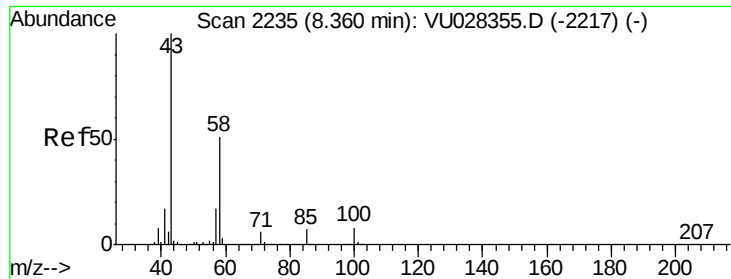
MMDadoda
 12/6/2018 4:53:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.517 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion: 63 Resp: 412173
 Ion Ratio Lower Upper
 63 100
 106 23.6 17.3 25.9





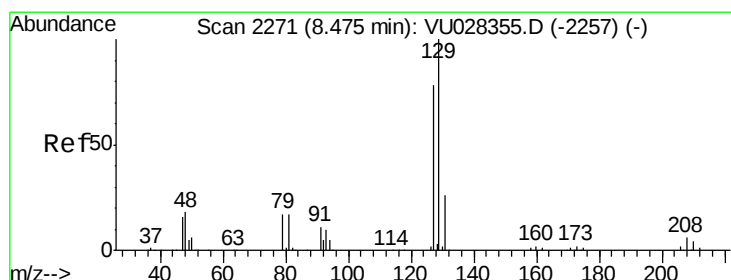
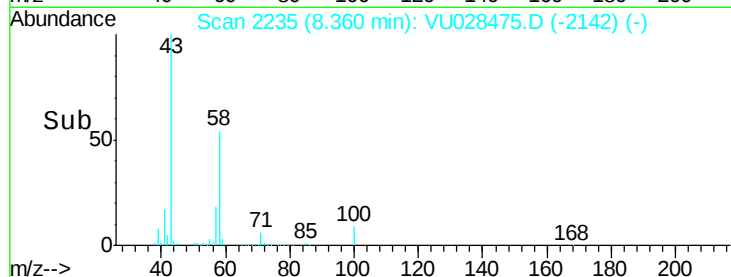
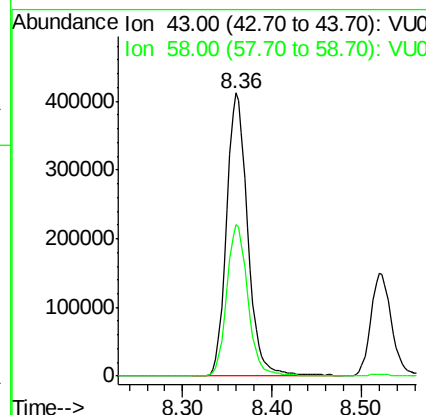
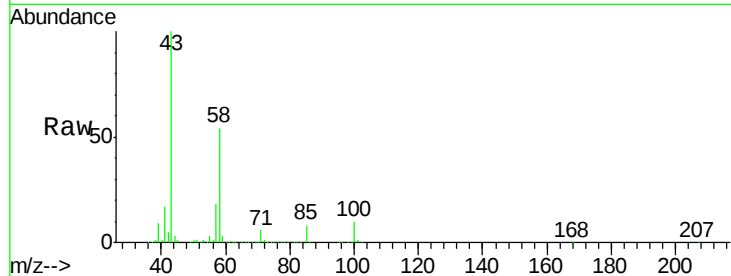
#59
2-Hexanone
Concen: 112.996 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion: 43 Resp: 676105
Ion Ratio Lower Upper
43 100
58 53.6 25.5 76.5

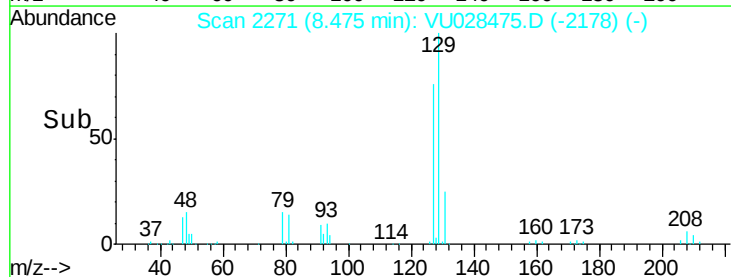
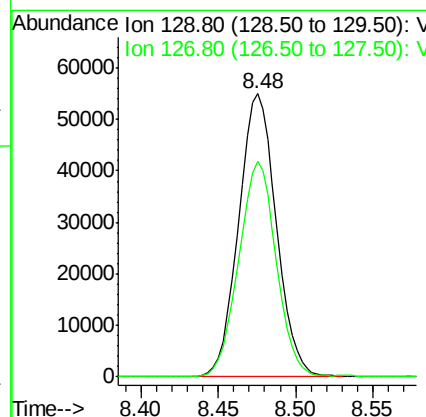
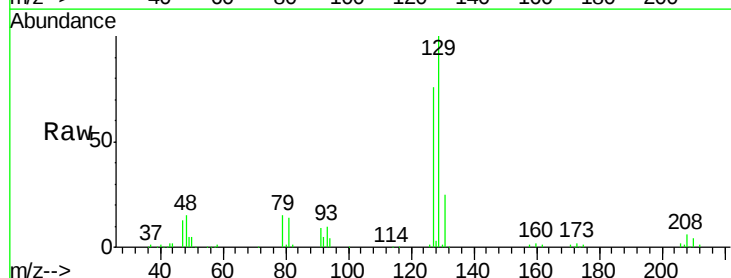
Manual Integrations
APPROVED

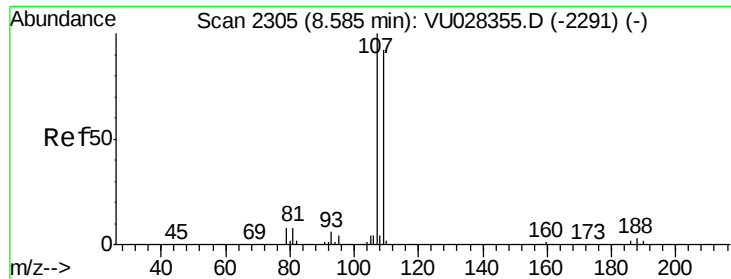
MMDadoda
12/6/2018 4:53:16 PM



#60
Dibromochloromethane
Concen: 24.581 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 129 Resp: 92935
Ion Ratio Lower Upper
129 100
127 75.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 24.876 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 107 Resp: 101283

Ion Ratio Lower Upper

107 100

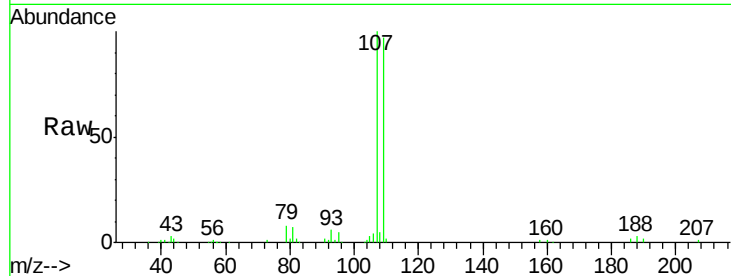
109 96.9 73.2 109.8

Manual Integrations

APPROVED

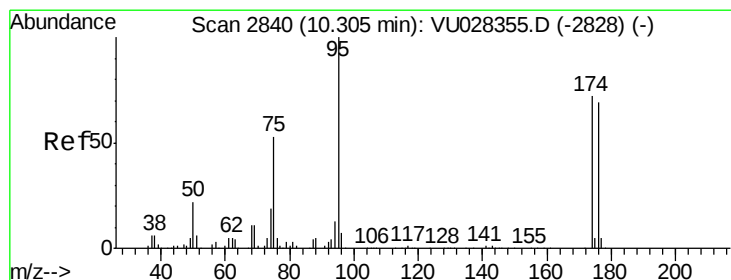
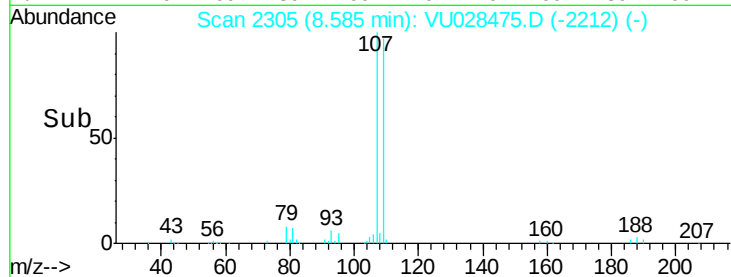
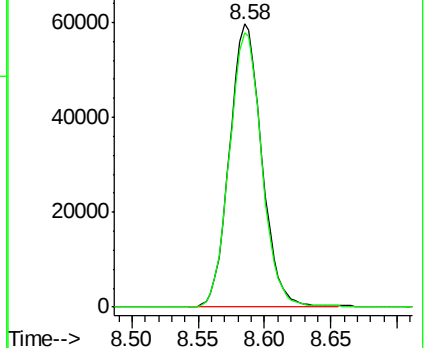
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 65.655 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

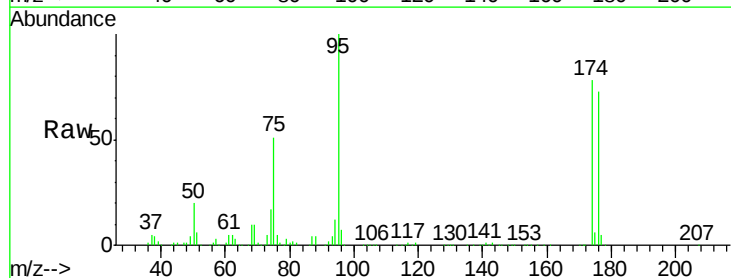
Tgt Ion: 95 Resp: 322081

Ion Ratio Lower Upper

95 100

174 76.5 0.0 145.4

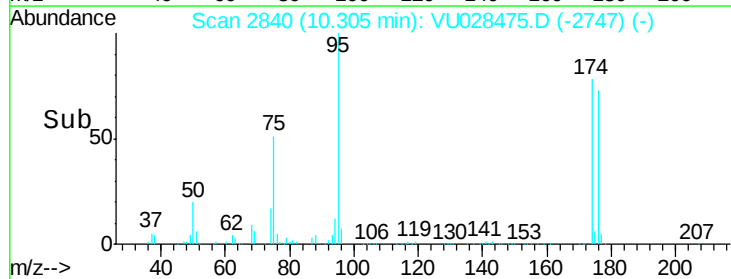
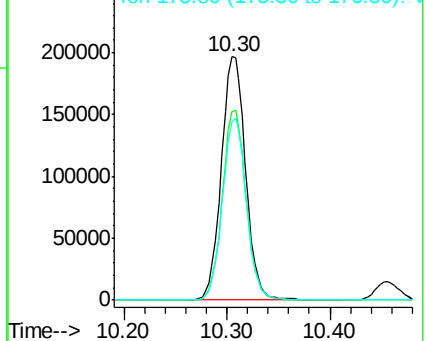
176 73.7 0.0 140.8

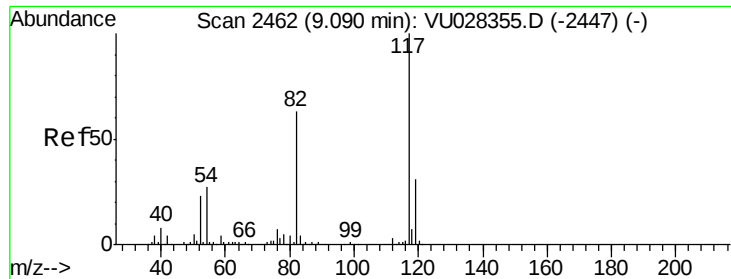


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





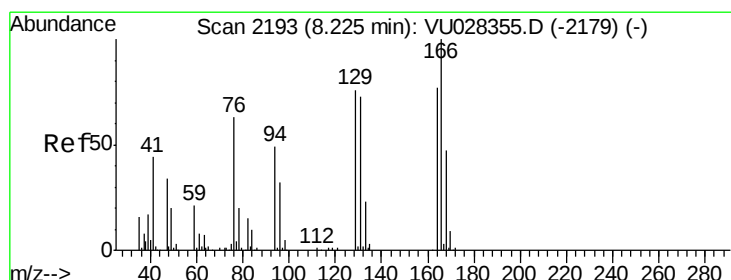
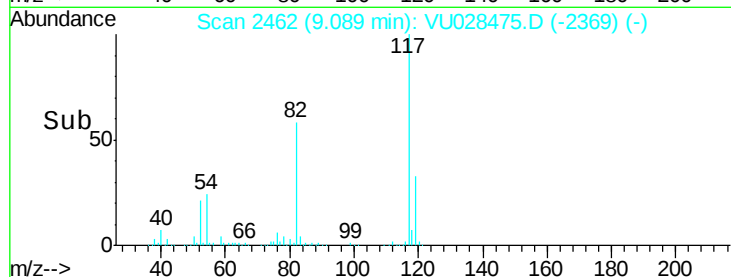
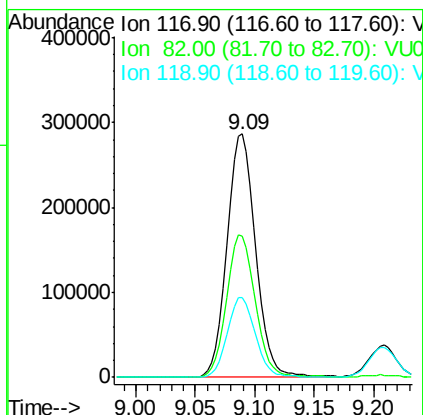
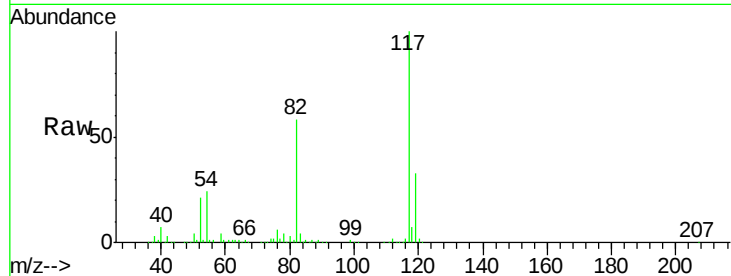
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	478086		
82	57.8	50.3	75.5	
119	32.8	24.8	37.2	

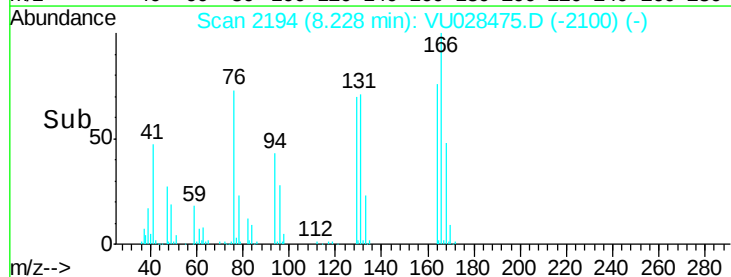
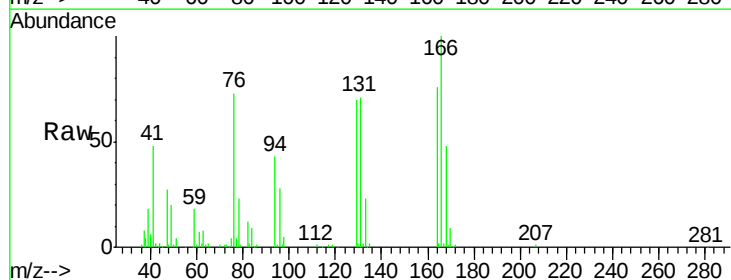
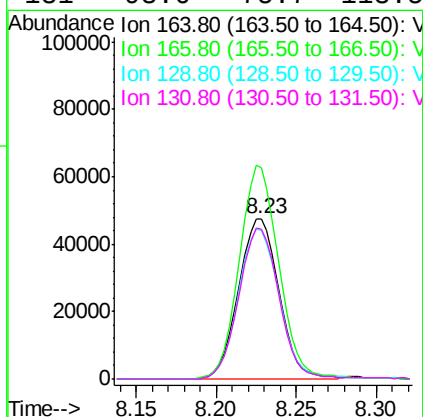
Manual Integrations
APPROVED

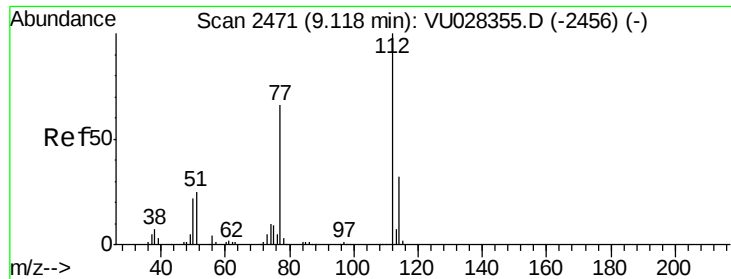
MMDadoda
12/6/2018 4:53:16 PM



#64
Tetrachloroethene
Concen: 26.010 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81797		
166	132.0	104.0	156.0	
129	92.8	79.2	118.8	
131	93.6	75.7	113.5	





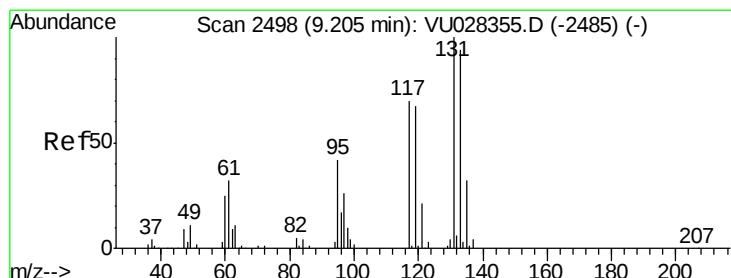
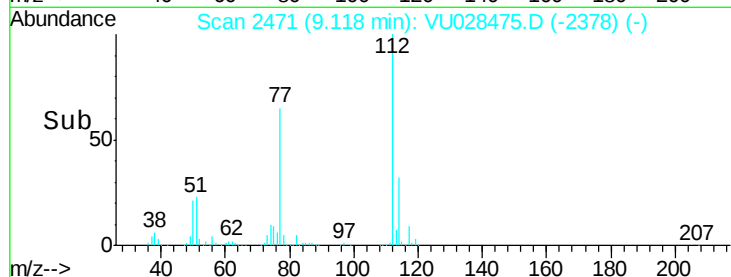
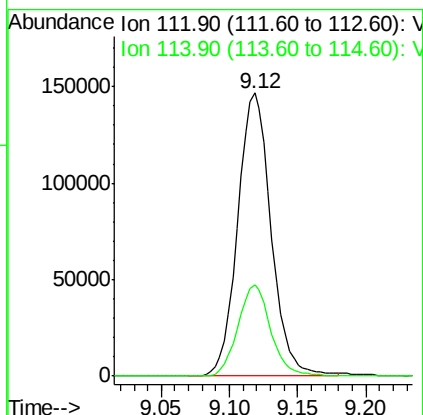
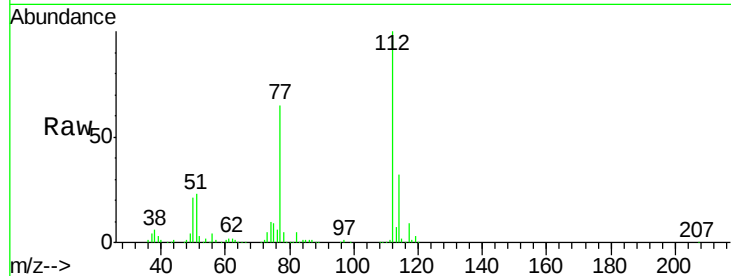
#65
Chlorobenzene
Concen: 25.099 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion:112 Resp: 249163
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

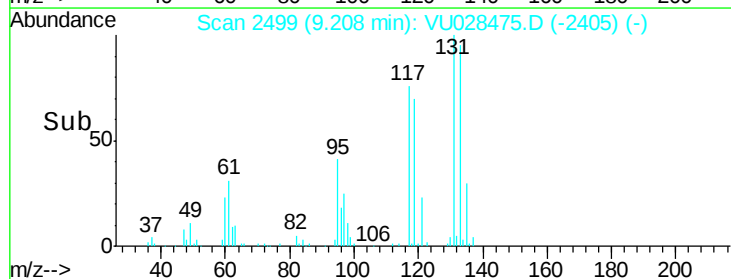
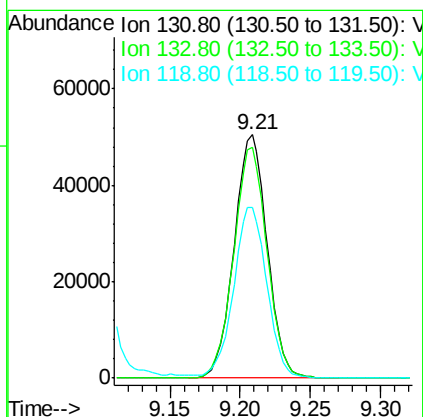
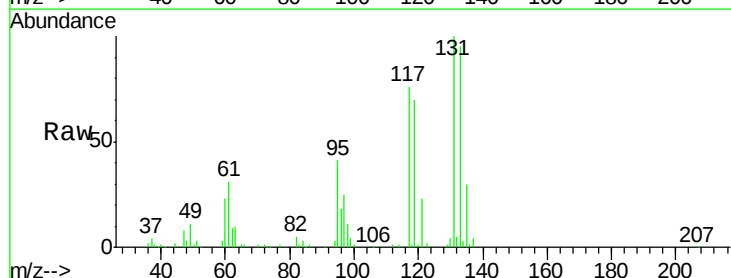
Manual Integrations
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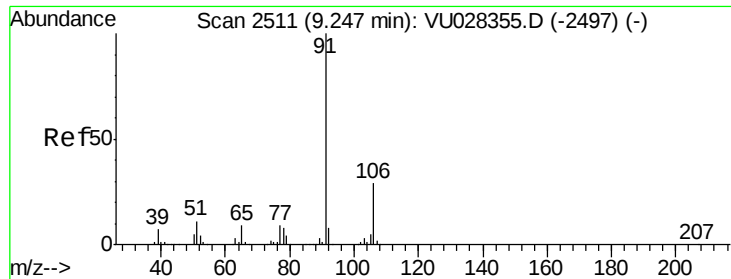
MMDadoda
12/6/2018 4:53:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.330 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion:131 Resp: 82788
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 70.8 34.1 102.2





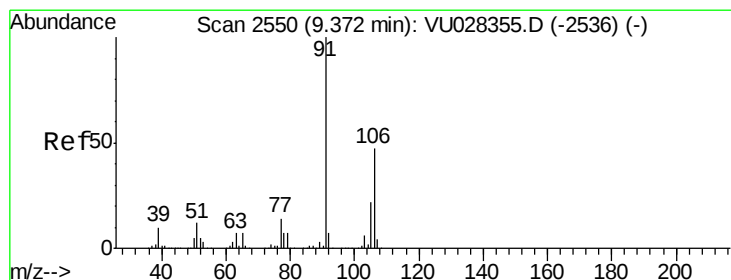
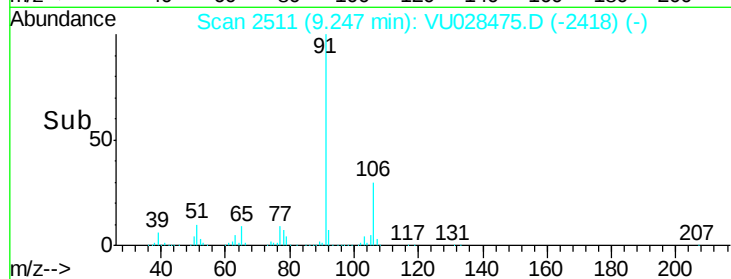
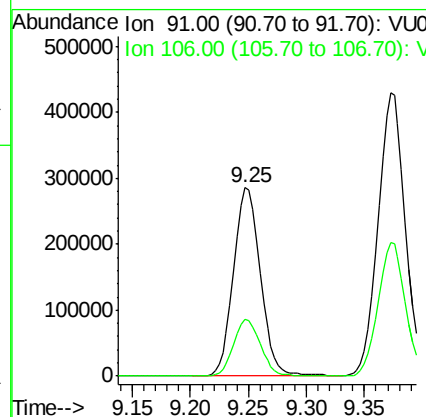
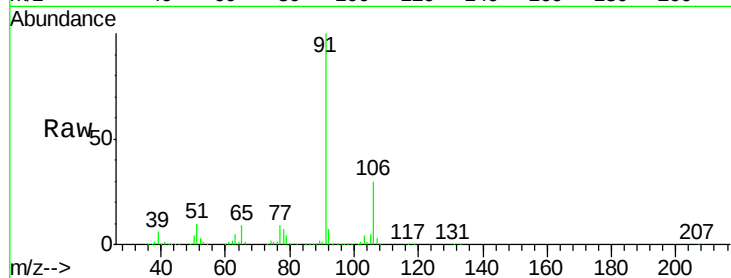
#67
Ethyl Benzene
 Concen: 24.556 ug/l
 RT: 9.25 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion: 91 Resp: 459119
 Ion Ratio Lower Upper
 91 100
 106 30.0 23.3 34.9

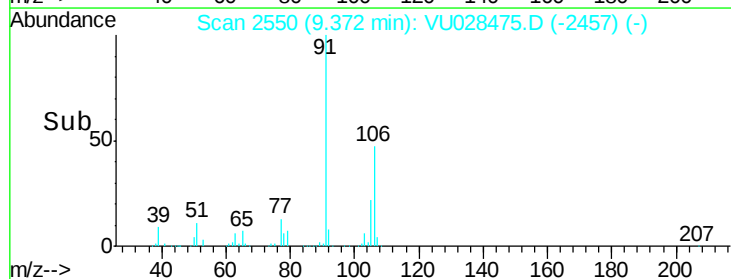
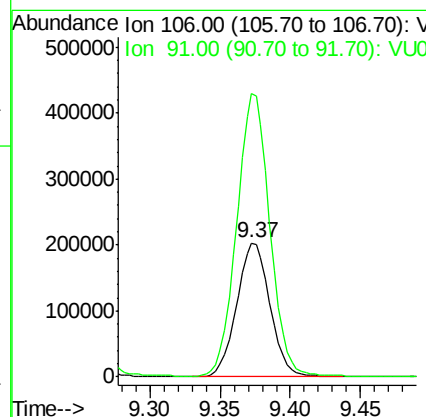
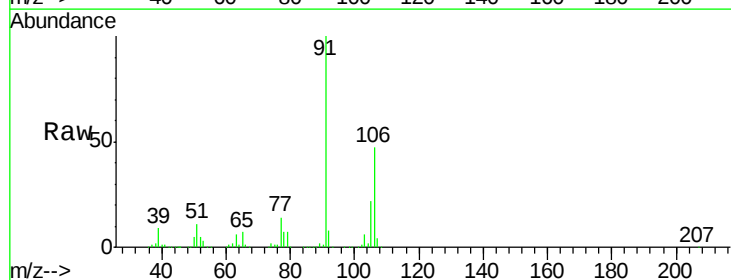
Manual Integrations
 APPROVED

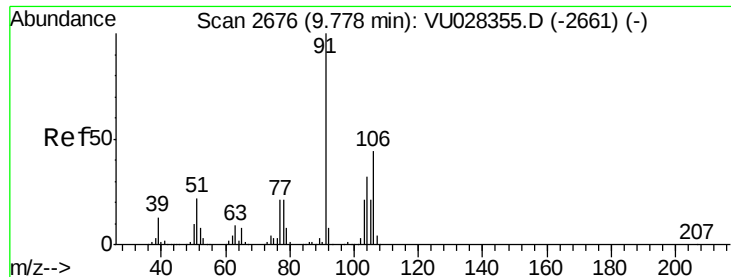
MMDadoda
 12/6/2018 4:53:16 PM



#68
m/p-Xylenes
 Concen: 49.515 ug/l
 RT: 9.37 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion: 106 Resp: 333222
 Ion Ratio Lower Upper
 106 100
 91 212.6 171.0 256.6





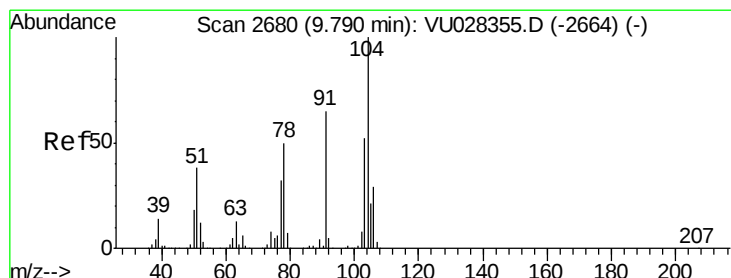
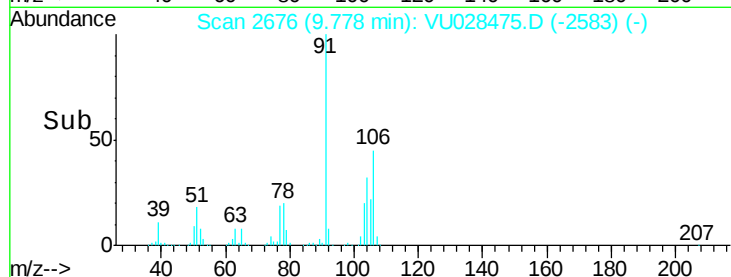
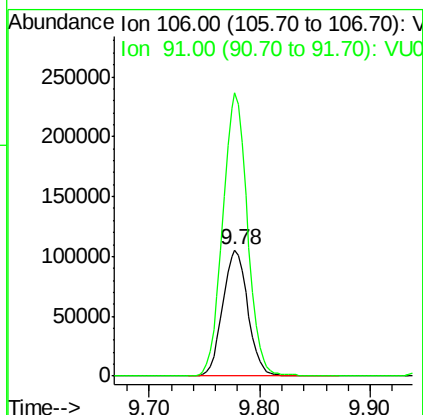
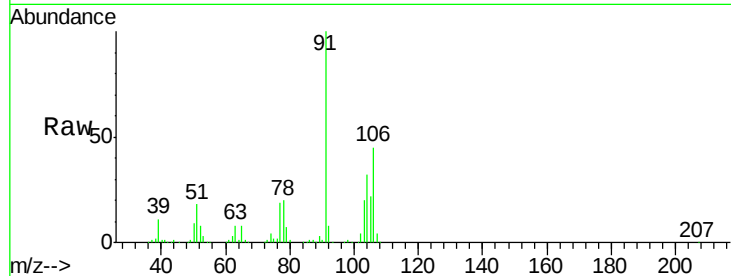
#69
o-Xylene
Concen: 24.913 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion:106 Resp: 166664
Ion Ratio Lower Upper
106 100
91 221.3 112.7 338.0

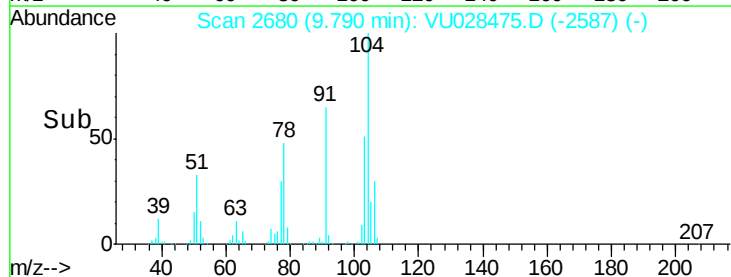
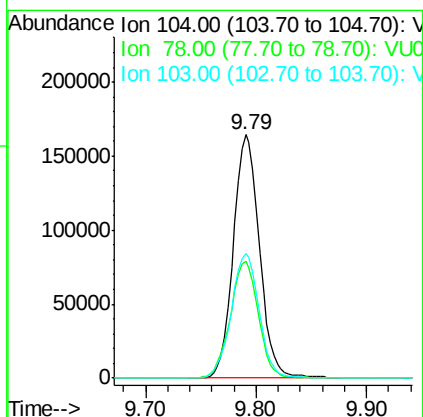
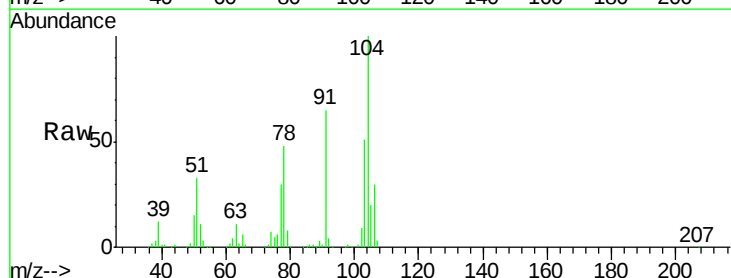
Manual Integrations
APPROVED

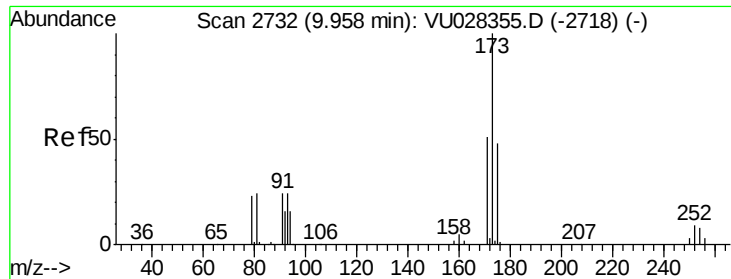
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#70
Styrene
Concen: 25.122 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion:104 Resp: 271053
Ion Ratio Lower Upper
104 100
78 51.4 43.3 64.9
103 54.4 44.8 67.2





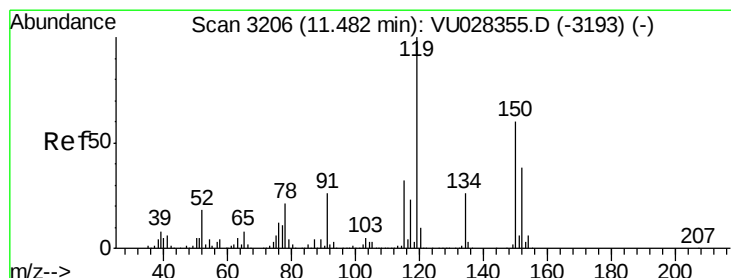
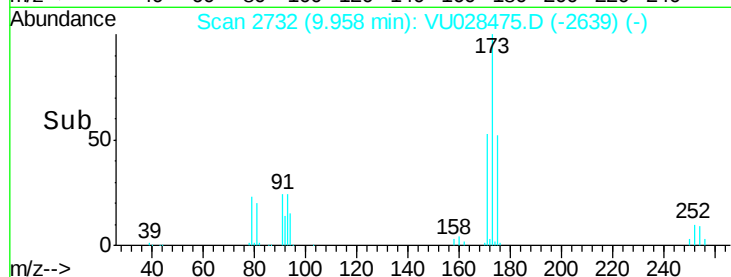
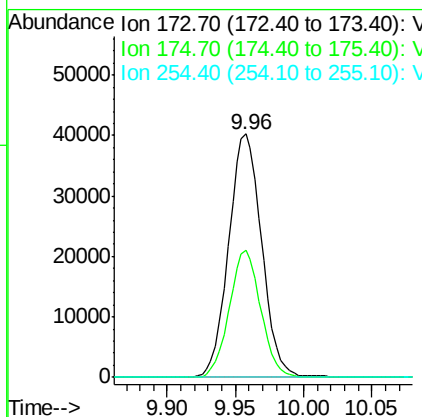
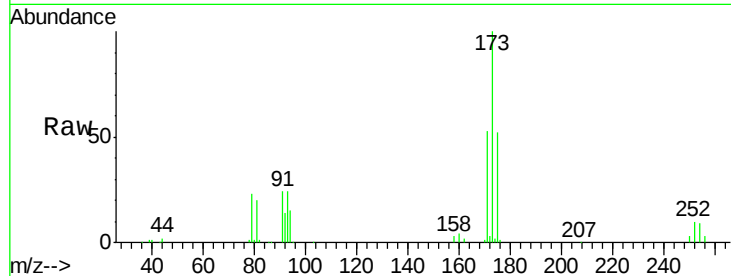
#71
Bromoform
Concen: 23.637 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.1	72.4
254	0.0	0.0	0.0

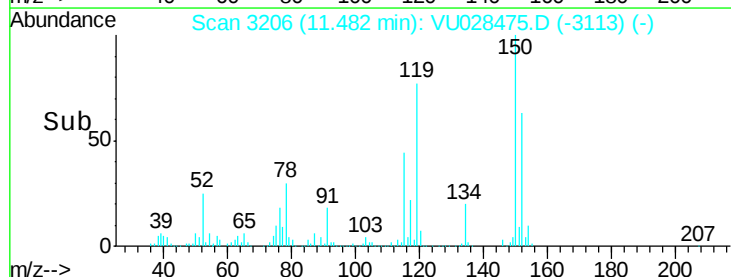
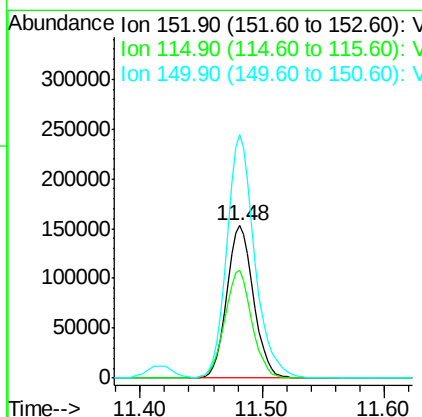
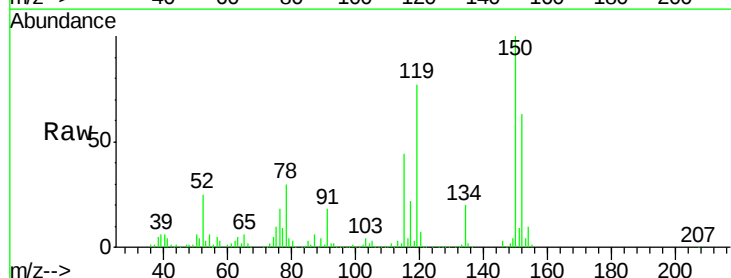
Manual Integrations
APPROVED

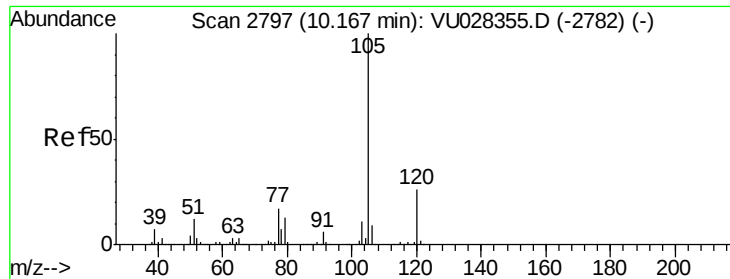
MMDadoda
12/6/2018 4:53:16 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.0	45.0	134.8
150	165.6	0.0	349.2





#73

Isopropylbenzene

Concen: 24.227 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 105 Resp: 442229

Ion Ratio Lower Upper

105 100

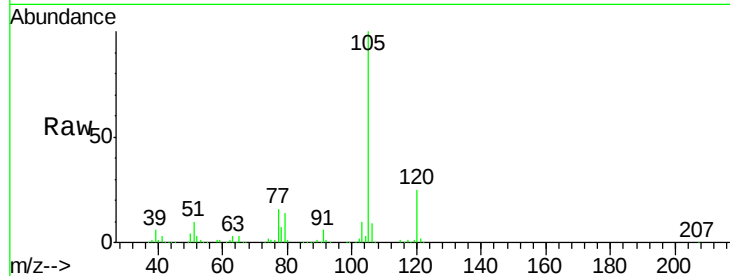
120 25.4 12.8 38.3

Manual Integrations

APPROVED

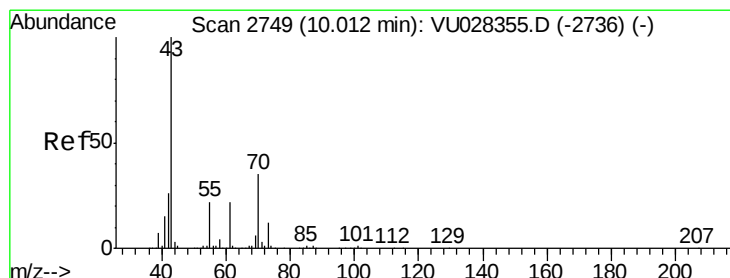
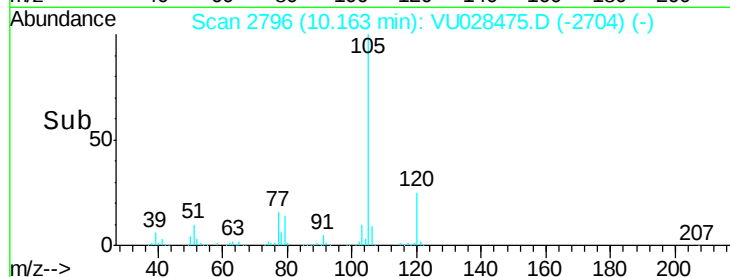
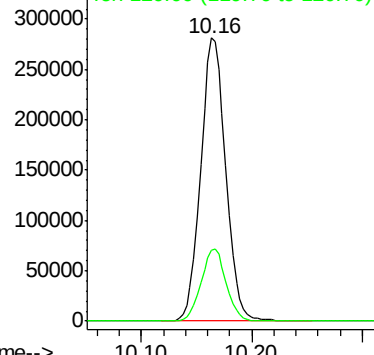
MMDadoda

12/6/2018 4:53:16 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.174 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion: 43 Resp: 230720

Ion Ratio Lower Upper

43 100

70 39.7 28.4 42.6

55 23.5 18.0 27.0

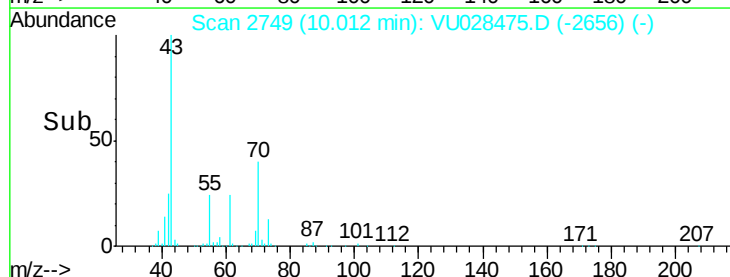
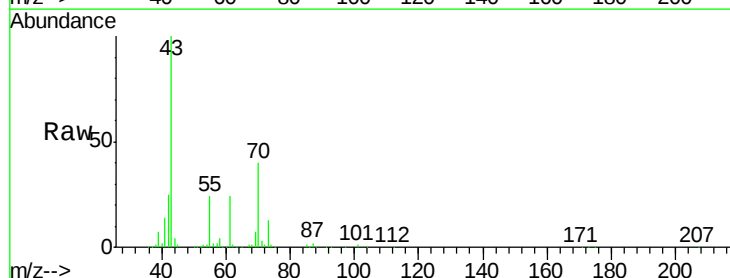
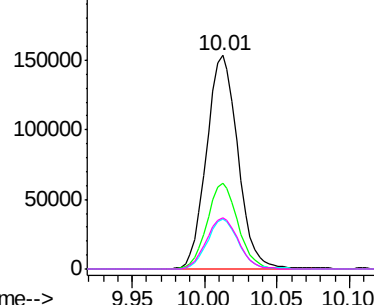
61 24.5 17.6 26.4

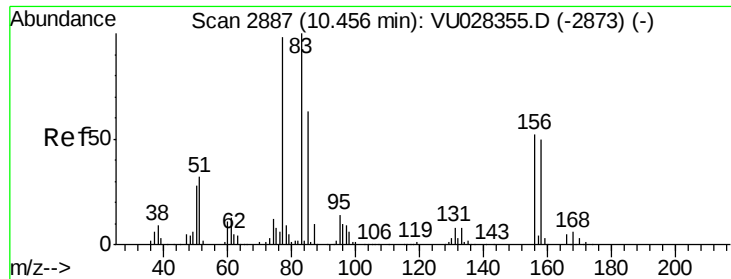
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.241 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

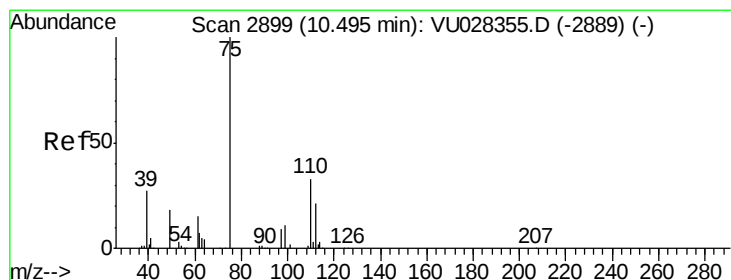
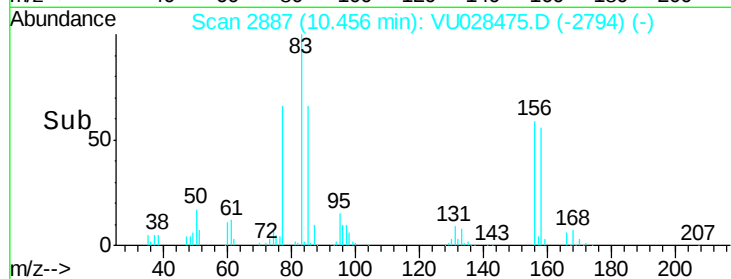
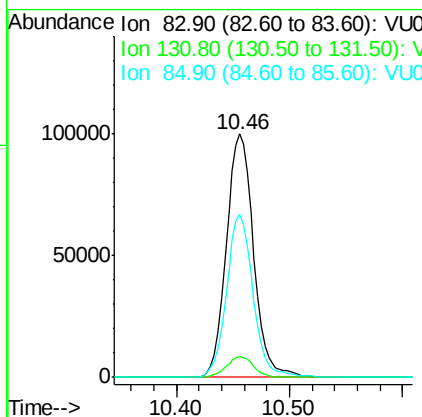
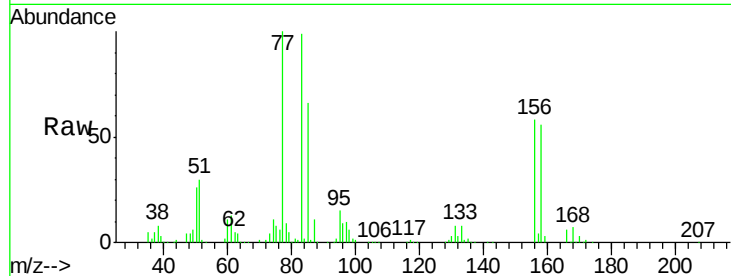
ClientSampleId :

VU1205WBS02

Tgt Ion:	83	Resp:	166946
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.0	12.2
85	65.6	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.061 ug/l m

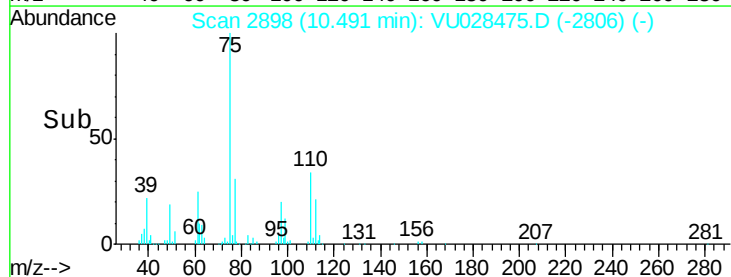
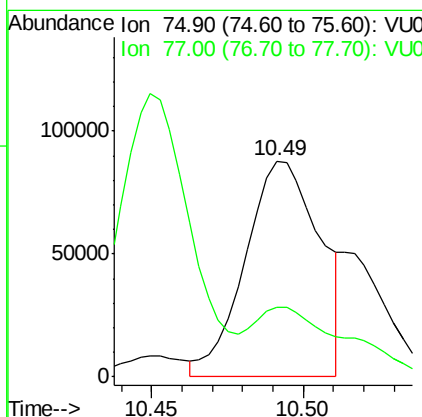
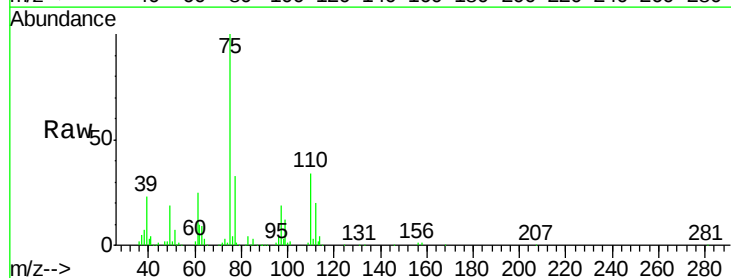
RT: 10.49 min Scan# 2898

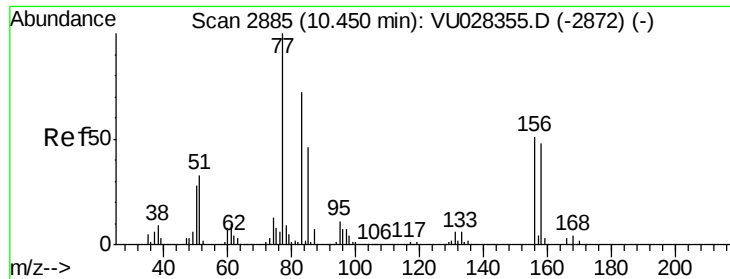
Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion:	75	Resp:	150087
Ion Ratio	Lower	Upper	
75	100		
77	41.4	22.4	67.0





#77

Bromobenzene

Concen: 24.619 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

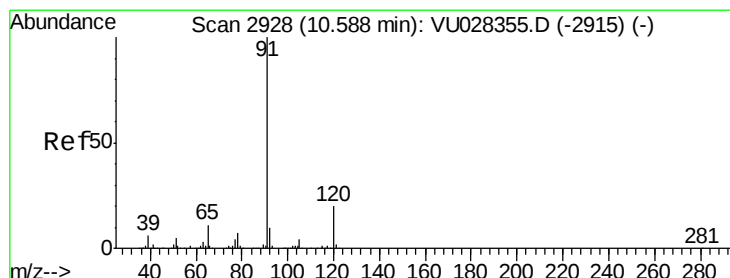
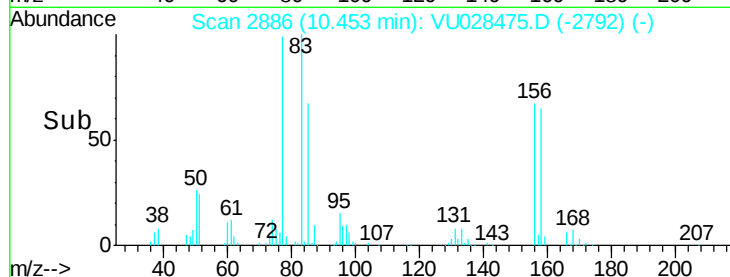
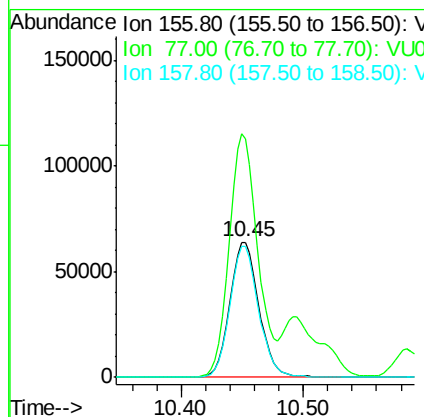
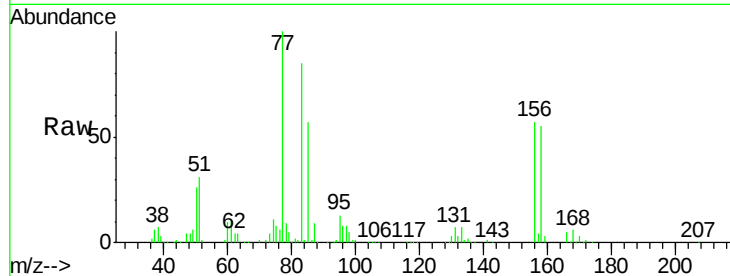
ClientSampleId :

VU1205WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	105886		
77	179.2	97.0	290.9	
158	96.1	46.8	140.4	

Manual Integrations
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#78

n-propylbenzene

Concen: 23.939 ug/l

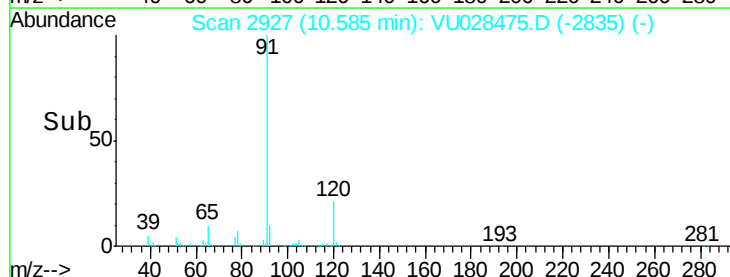
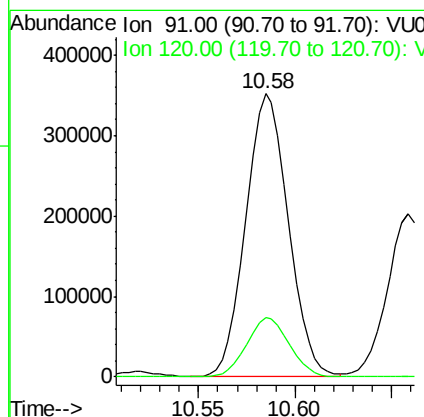
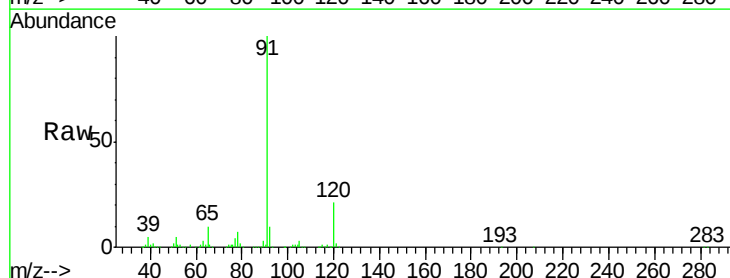
RT: 10.58 min Scan# 2927

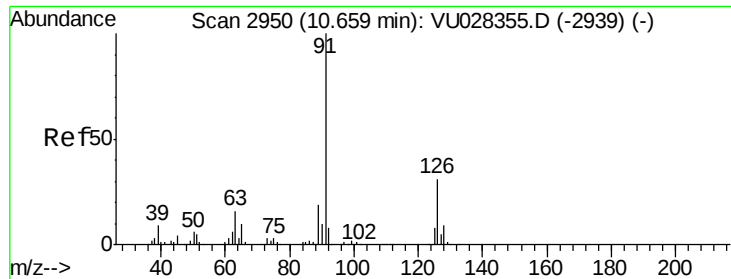
Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	539064		
120	20.9	10.3	30.8	





#79

2-Chlorotoluene

Concen: 23.915 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tgt Ion: 91 Resp: 317452

Ion Ratio Lower Upper

91 100

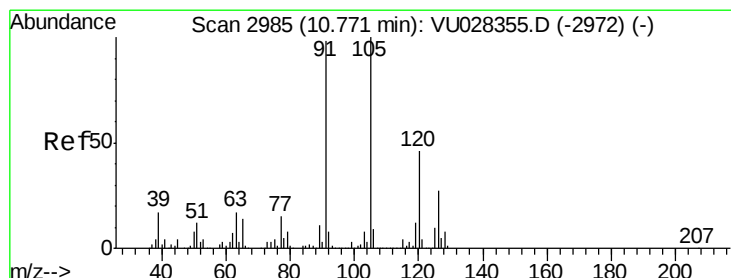
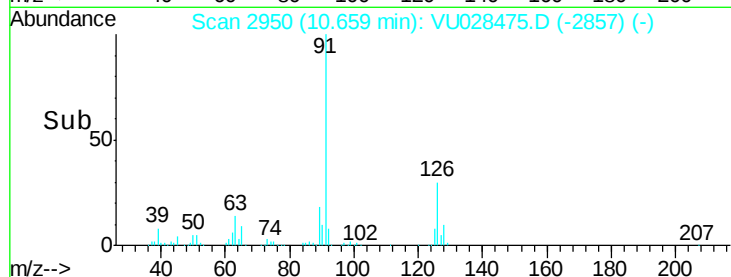
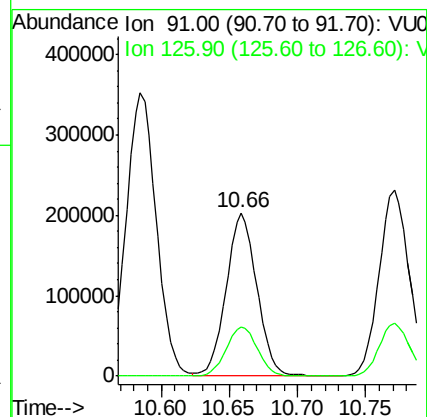
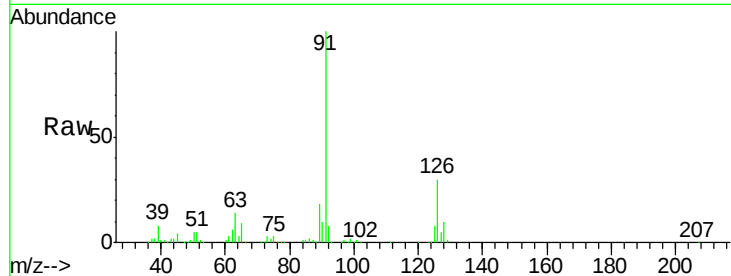
126 30.7 15.4 46.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.597 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028475.D

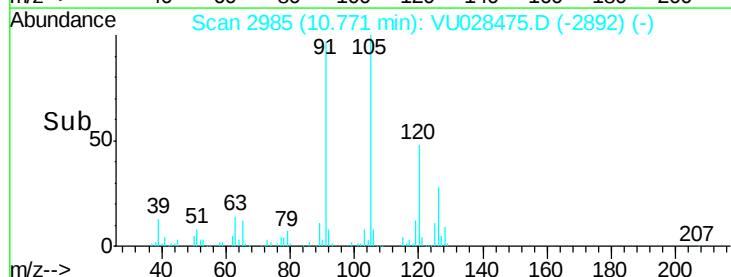
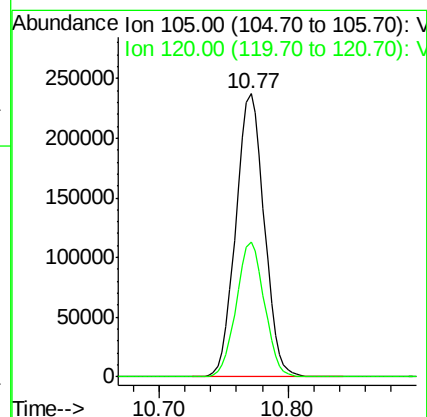
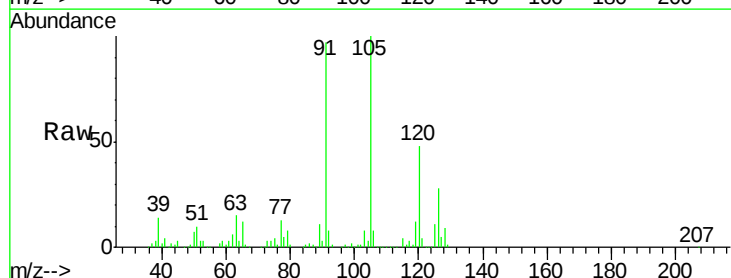
Acq: 05 Dec 2018 13:15

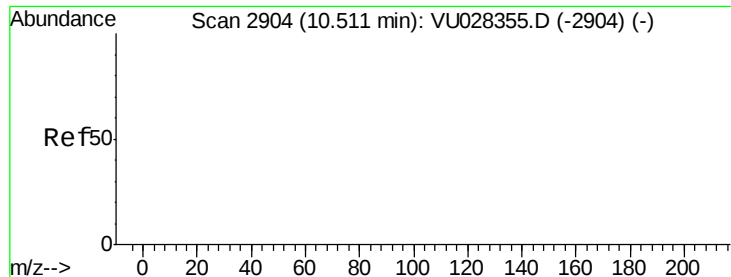
Tgt Ion: 105 Resp: 362977

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.604 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.01 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

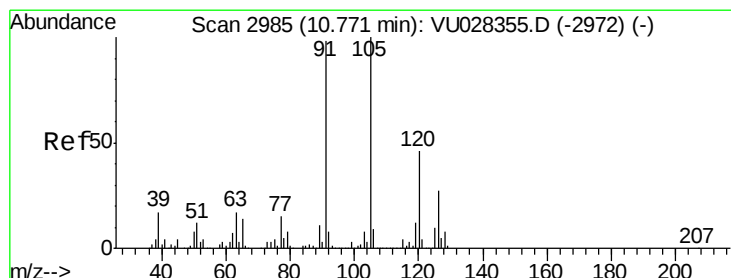
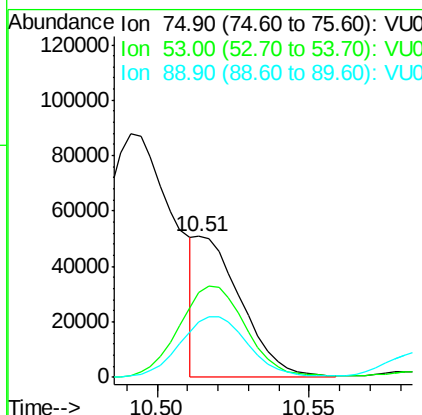
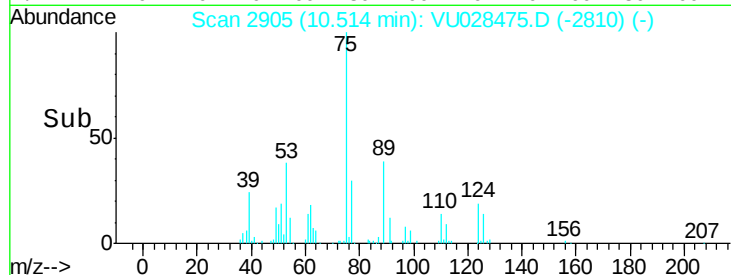
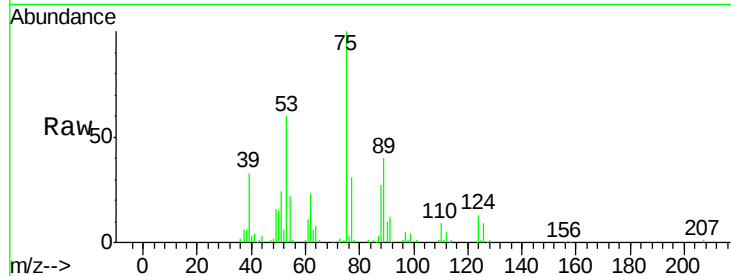
ClientSampleId :

VU1205WBS02

Tgt Ion:	75	Resp:	52969
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: 23.316 ug/l

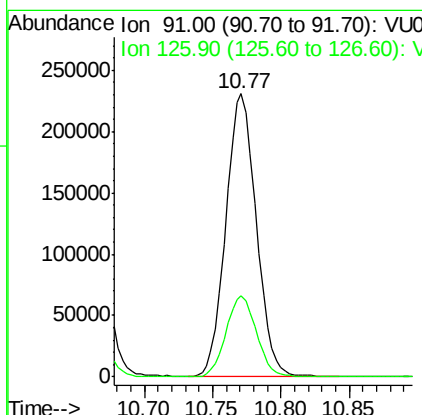
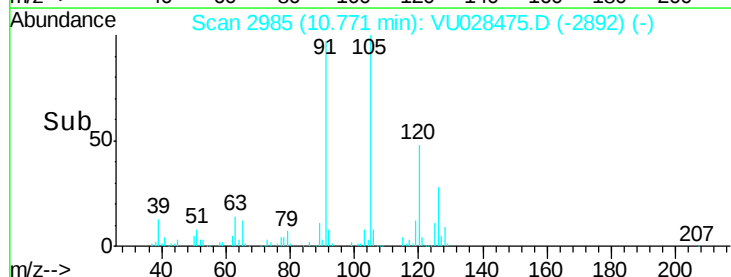
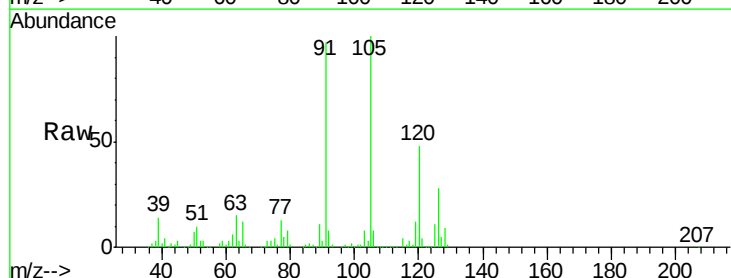
RT: 10.77 min Scan# 2985

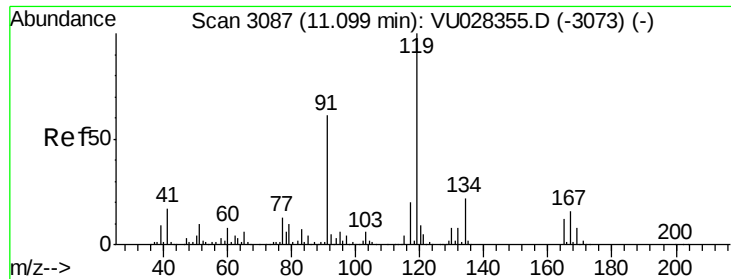
Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion:	91	Resp:	356605
Ion Ratio	Lower	Upper	
91	100		
126	28.8	13.9	41.6





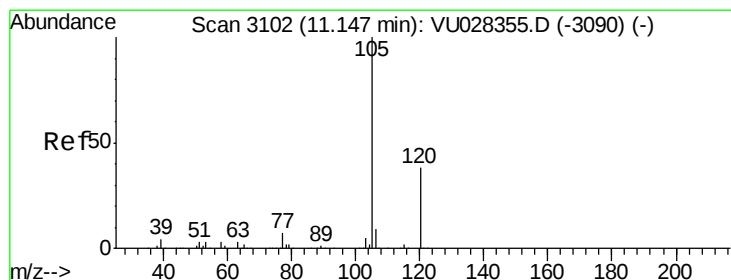
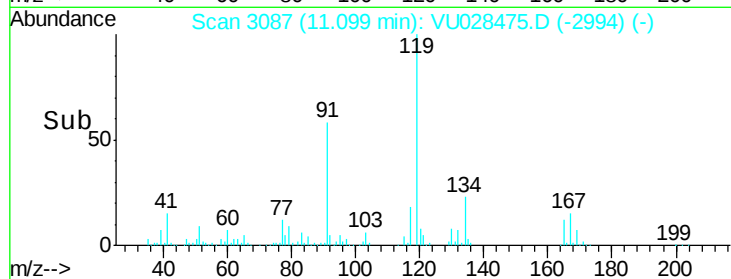
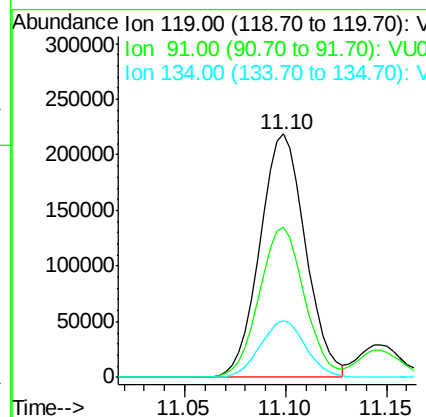
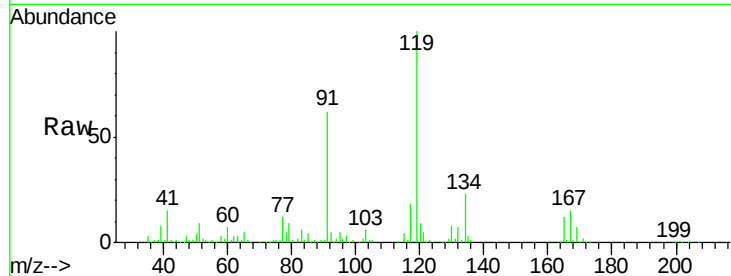
#83
 tert-Butylbenzene
 Concen: 24.018 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	344395		
91	61.4	30.8	92.4	
134	23.1	11.1	33.1	

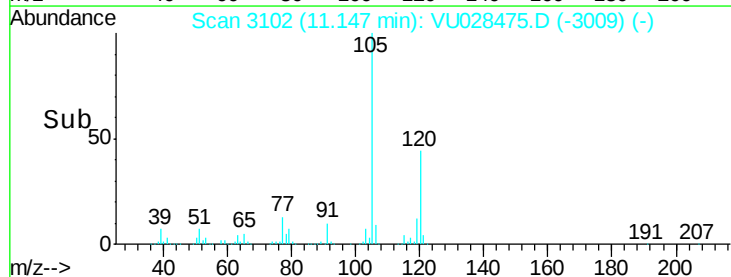
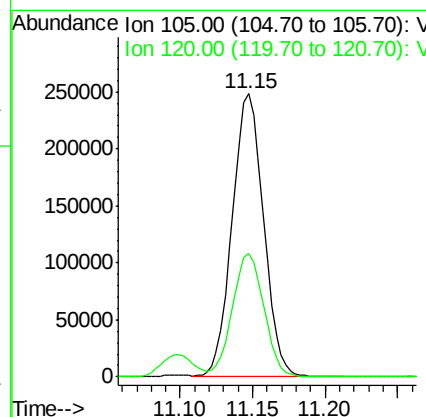
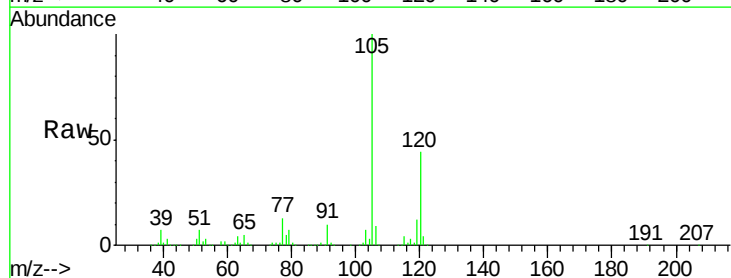
Manual Integrations
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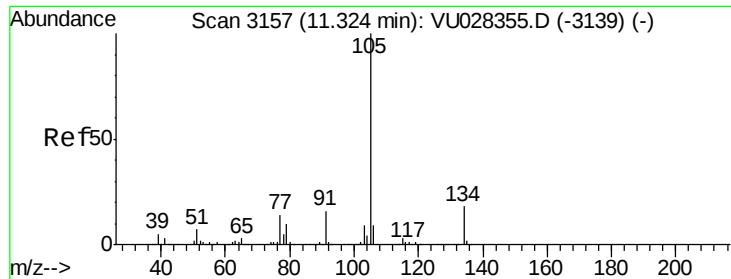
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.896 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	372296		
120	44.0	21.4	64.3	





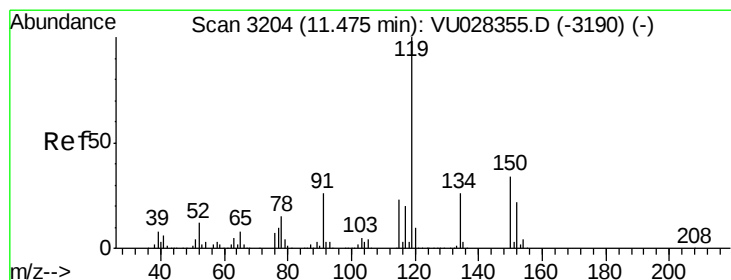
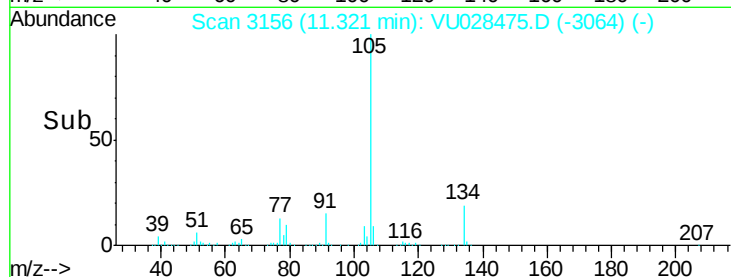
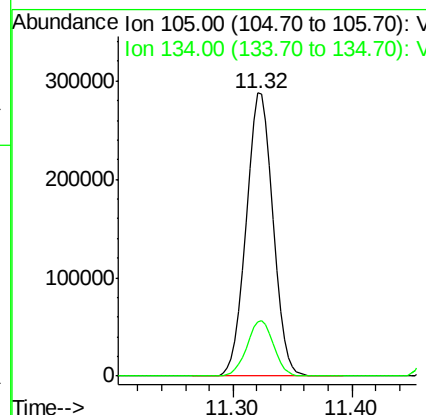
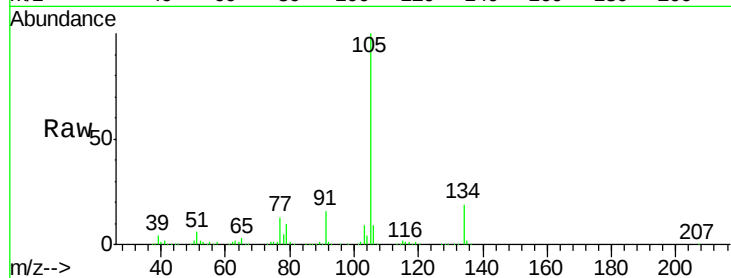
#85
 sec-Butylbenzene
 Concen: 24.027 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.3	27.7

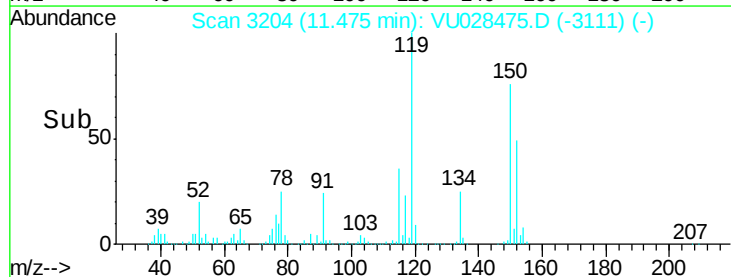
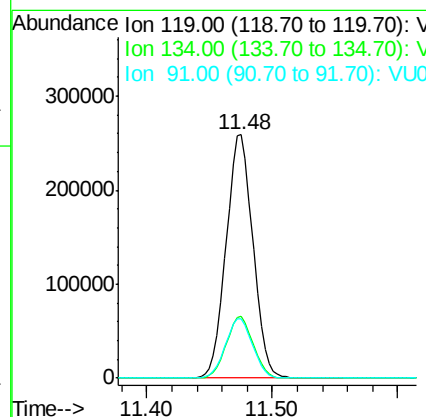
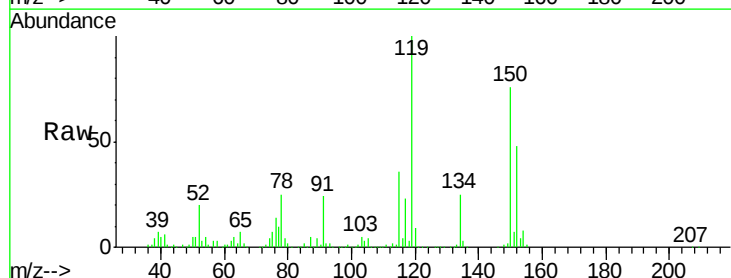
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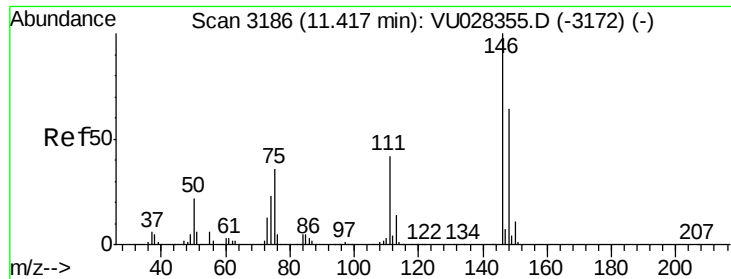
MMDadoda
 12/6/2018 4:53:16 PM



#86
 p-Isopropyltoluene
 Concen: 25.008 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.8	38.3
91	24.9	13.1	39.1





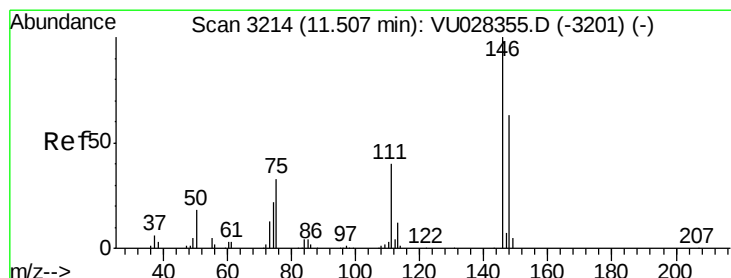
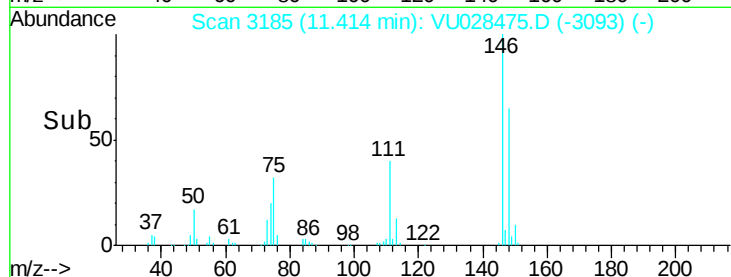
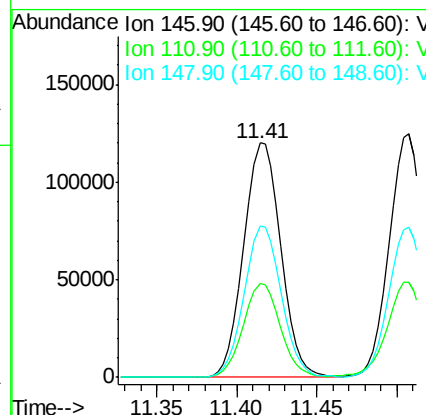
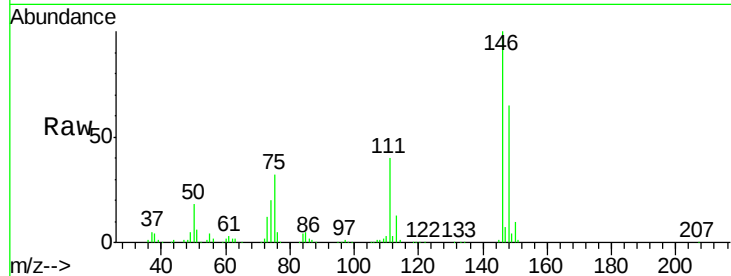
#87
 1,3-Dichlorobenzene
 Concen: 24.233 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	190096		
111	39.9	20.8	62.4	
148	64.4	31.8	95.3	

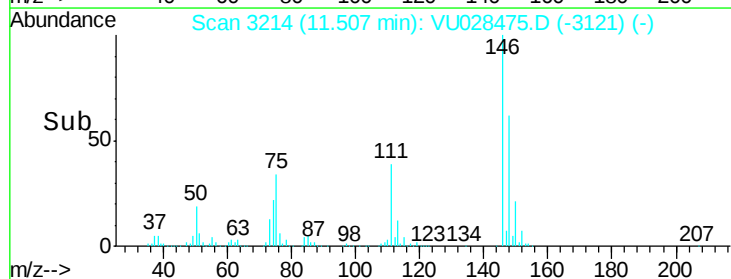
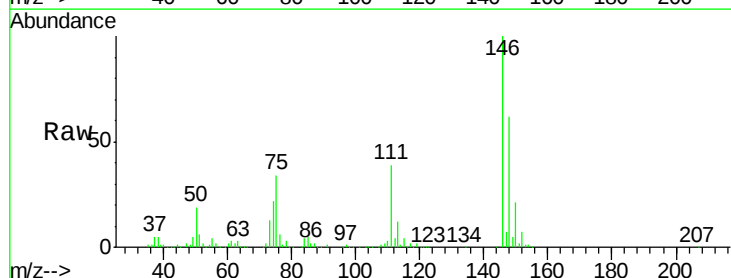
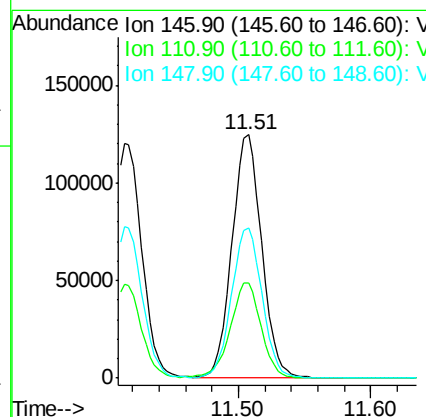
Manual Integrations
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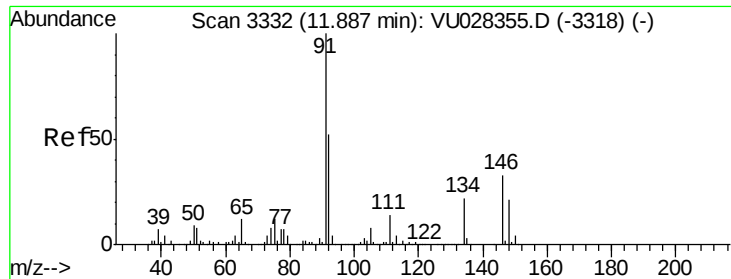
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 24.549 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	193813		
111	40.4	20.6	61.9	
148	63.5	31.1	93.5	





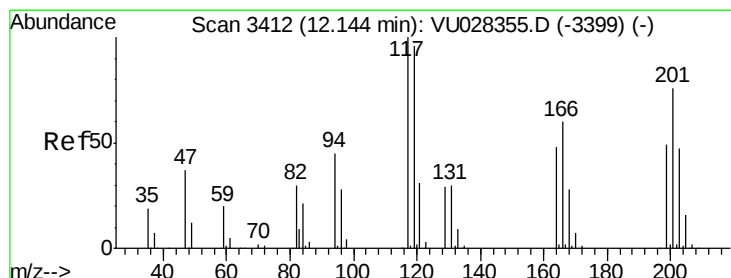
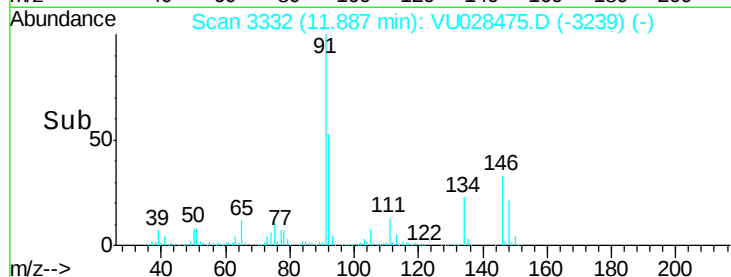
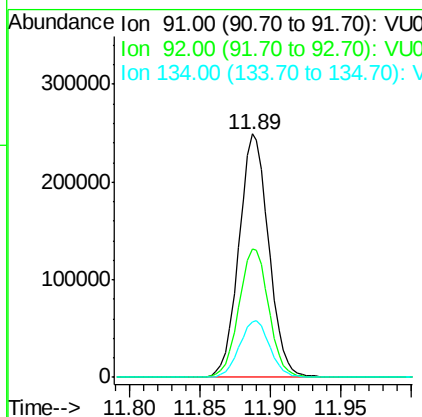
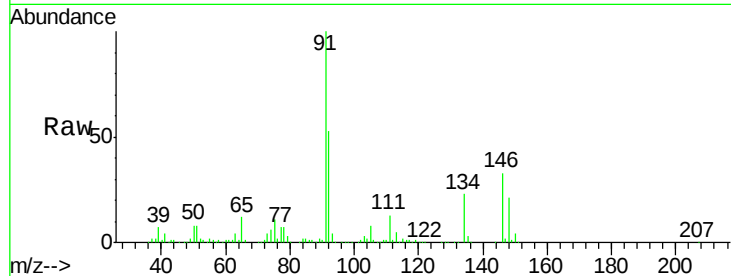
#89
n-Butylbenzene
Concen: 24.419 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.2	78.5
134	23.6	11.1	33.1

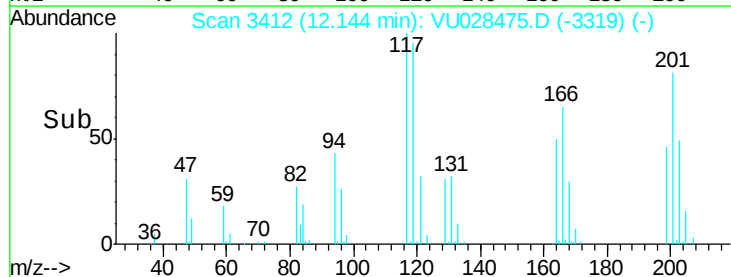
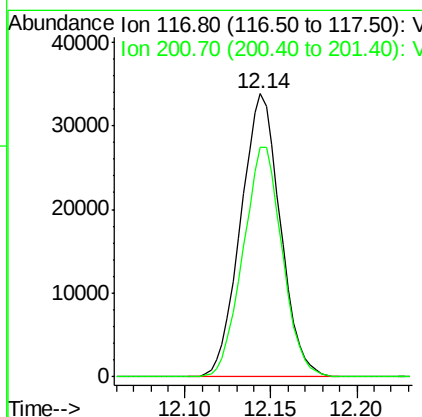
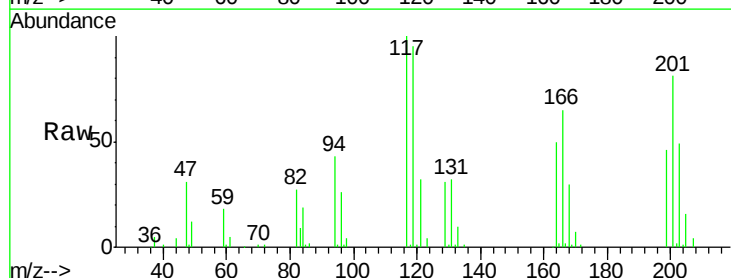
Manual Integrations
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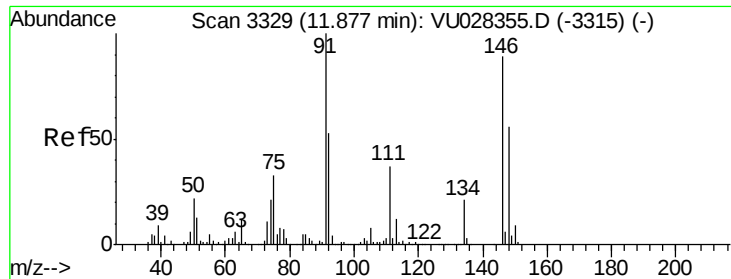
MMDadoda
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#90
Hexachloroethane
Concen: 22.555 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	37.7	113.1





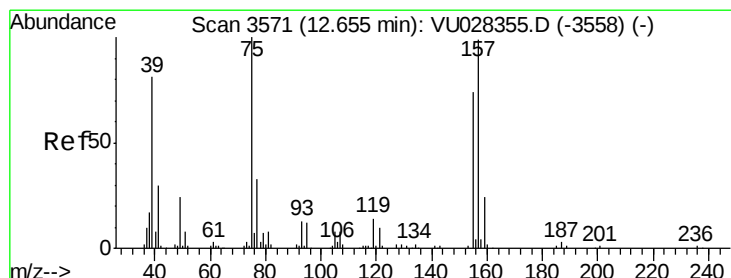
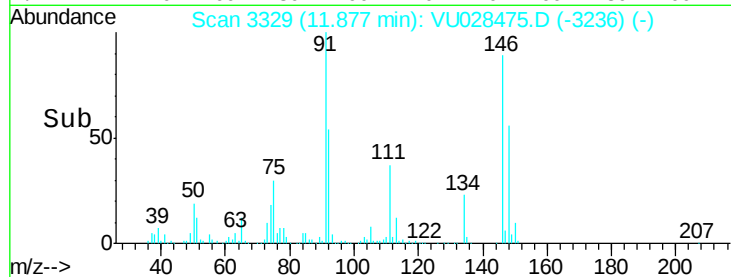
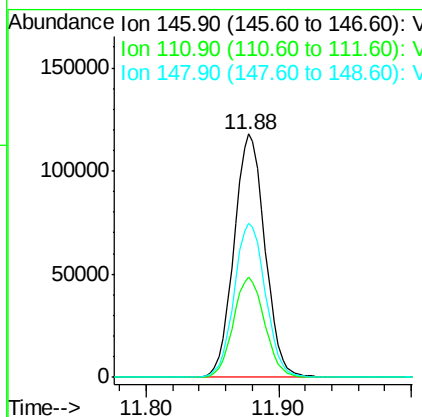
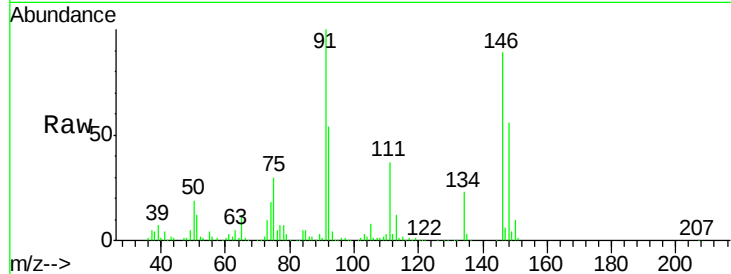
#91
 1,2-Dichlorobenzene
 Concen: 24.412 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.4	64.3
148	64.0	32.2	96.6

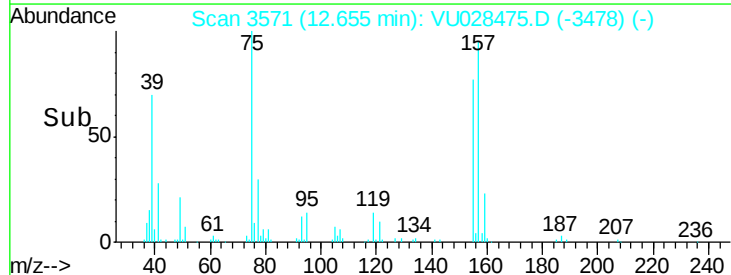
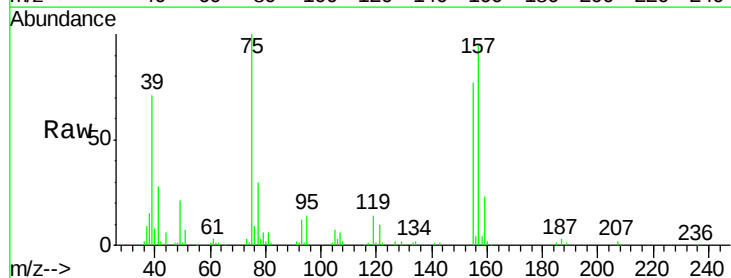
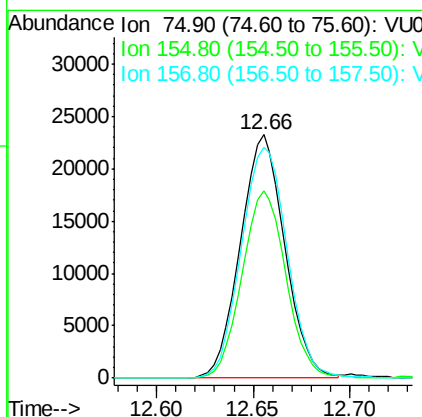
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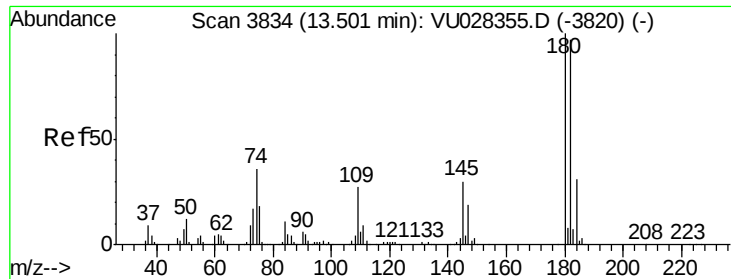
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.297 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	36.9	110.7
157	98.2	47.5	142.5





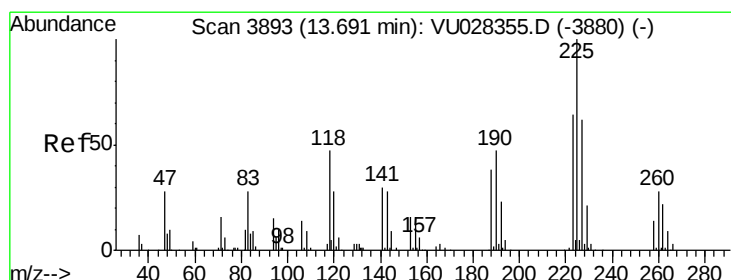
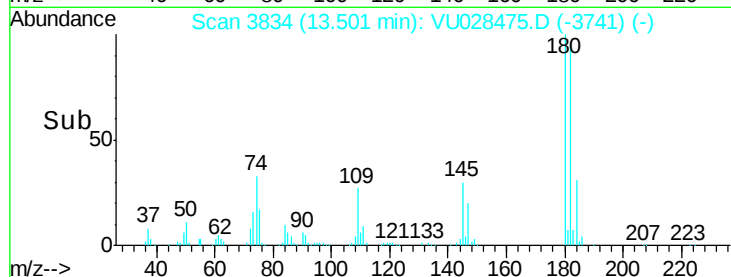
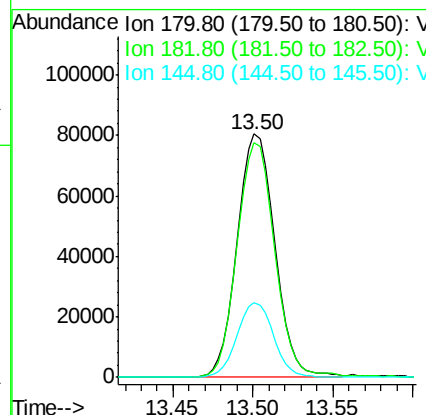
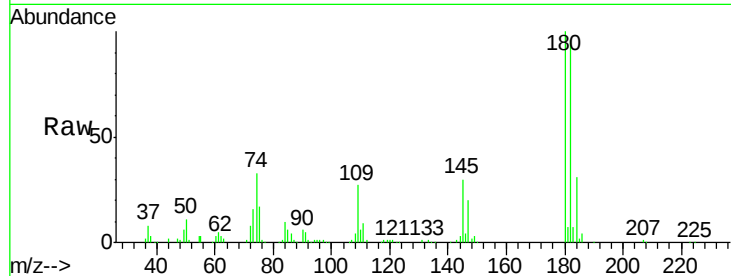
#93
 1,2,4-Trichlorobenzene
 Concen: 25.291 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	129566		
182	96.1	48.3	144.9	
145	29.7	15.2	45.5	

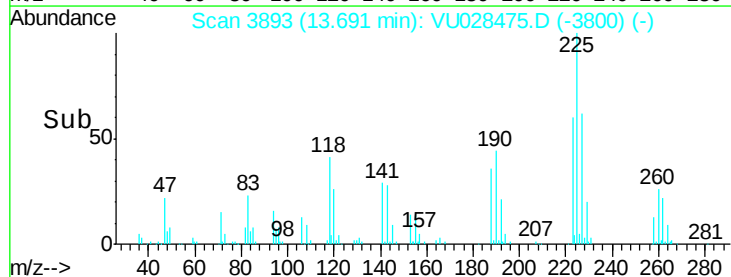
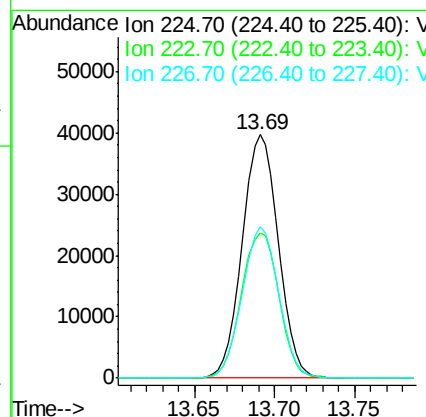
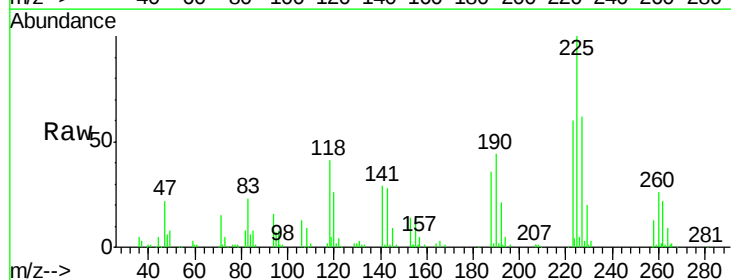
Manual Integrations
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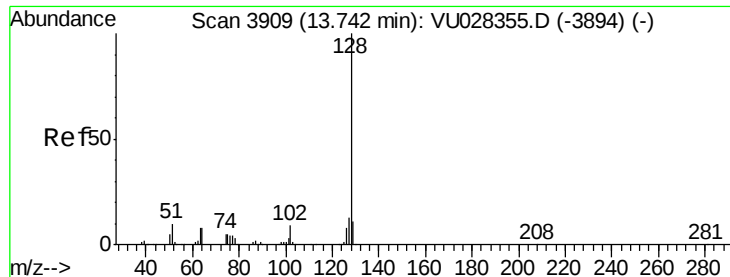
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#94
 Hexachlorobutadiene
 Concen: 25.223 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61017		
223	62.3	31.6	94.7	
227	63.0	30.8	92.4	





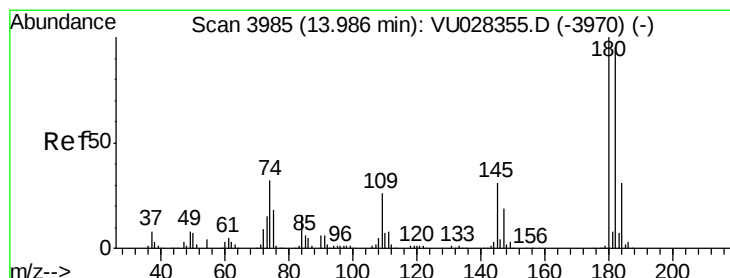
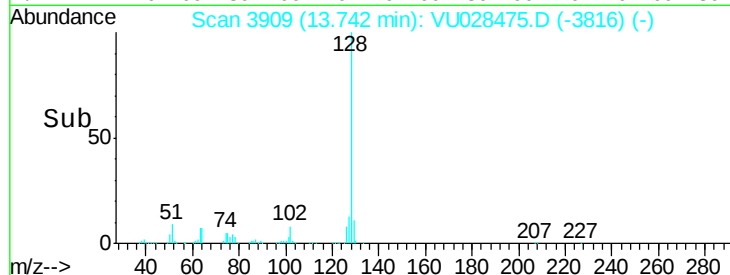
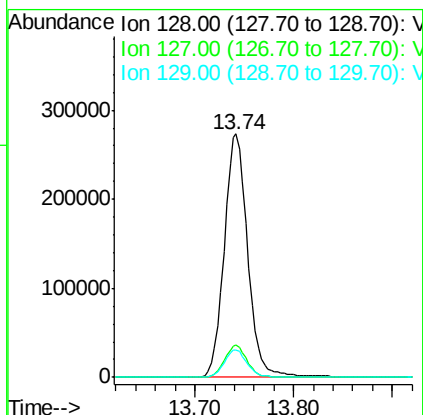
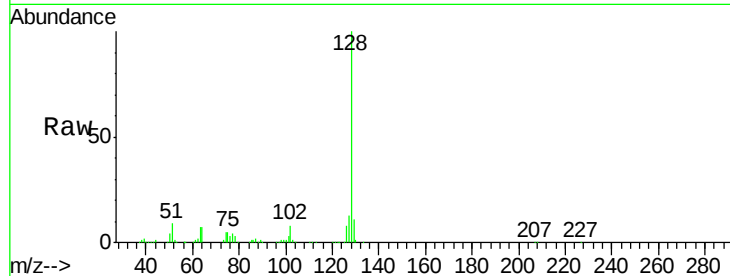
#95
Naphthalene
Concen: 24.670 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.0	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 26.471 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.7	143.1
145	31.3	15.7	47.1

