

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028547.D
 Acq On : 10 Dec 2018 13:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:09:58 PM

Quant Time: Dec 11 03:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	95441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	158186	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72699	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	4.88	113	53083	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	7.56	98	211217	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	10.30	95	77999	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	62870	49.146	ug/l	99
3) Chloromethane	1.33	50	107008	45.499	ug/l	98
4) Vinyl Chloride	1.40	62	82986	48.894	ug/l	98
5) Bromomethane	1.62	94	37939	55.491	ug/l	99
6) Chloroethane	1.69	64	47075	48.992	ug/l	99
7) Trichlorofluoromethane	1.88	101	87732	49.130	ug/l	95
8) Diethyl Ether	2.10	74	38516	46.101	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	52528	49.184	ug/l	98
10) Methyl Iodide	2.41	142	28998	34.604	ug/l	99
11) Tert butyl alcohol	2.82	59	79465	244.884	ug/l	100
12) 1,1-Dichloroethene	2.28	96	50550	47.571	ug/l	99
13) Acrolein	2.19	56	60362	233.338	ug/l	99
14) Allyl chloride	2.59	41	118522	47.148	ug/l	99
15) Acrylonitrile	2.93	53	223844	248.463	ug/l	100
16) Acetone	2.32	43	233129	245.288	ug/l	99
17) Carbon Disulfide	2.48	76	182557	47.688	ug/l	99
18) Methyl Acetate	2.61	43	124518	50.540	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	196783	48.850	ug/l	99
20) Methylene Chloride	2.70	84	64898	46.320	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	57387	47.965	ug/l	100
22) Diisopropyl ether	3.57	45	245719	50.264	ug/l	99
23) Vinyl Acetate	3.52	43	1019896	252.934	ug/l	99
24) 1,1-Dichloroethane	3.44	63	123129	48.117	ug/l	99
25) 2-Butanone	4.26	43	329600	253.762	ug/l	99
26) 2,2-Dichloropropane	4.22	77	98186	48.425	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	65907	48.669	ug/l	99
28) Bromochloromethane	4.55	49	54947	47.234	ug/l	98
29) Tetrahydrofuran	4.63	42	208610	250.079	ug/l	99
30) Chloroform	4.67	83	111659	50.065	ug/l	98
31) Cyclohexane	4.99	56	124375	49.802	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	91508	49.402	ug/l	99
36) 1,1-Dichloropropene	5.13	75	88906	51.361	ug/l	99
37) Ethyl Acetate	4.38	43	115587	51.655	ug/l	99
38) Carbon Tetrachloride	5.13	117	73609	52.759	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	109039	51.633	ug/l	99
40) Benzene	5.39	78	265130	52.005	ug/l	100
41) Methacrylonitrile	4.54	41	67909	55.415	ug/l	96
42) 1,2-Dichloroethane	5.40	62	92647	51.916	ug/l	98
43) Isopropyl Acetate	5.55	43	188193	53.172	ug/l	99
44) Trichloroethene	6.18	130	58127	51.278	ug/l	97
45) 1,2-Dichloropropane	6.43	63	75743	52.832	ug/l	98
46) Dibromomethane	6.56	93	44357	52.146	ug/l	98
47) Bromodichloromethane	6.75	83	86333	52.156	ug/l	100
48) Methyl methacrylate	6.62	41	94350	53.604	ug/l	99
49) 1,4-Dioxane	6.61	88	31266	1125.010	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	583403	261.346	ug/l	98
52) Toluene	7.64	92	154787	51.589	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	105638	53.585	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	113171	52.912	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	61510	51.862	ug/l	97
56) Ethyl methacrylate	8.02	69	106218	52.298	ug/l	99
57) 1,3-Dichloropropane	8.24	76	115343	52.390	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	279304	268.485	ug/l	100
59) 2-Hexanone	8.36	43	461831	261.019	ug/l	100
60) Dibromochloromethane	8.48	129	61463	52.931	ug/l	98
61) 1,2-Dibromoethane	8.58	107	66100	53.146	ug/l	99
64) Tetrachloroethene	8.22	164	51012	50.454	ug/l	98
65) Chlorobenzene	9.12	112	162696	50.371	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	53893	52.251	ug/l	99
67) Ethyl Benzene	9.25	91	300987	50.691	ug/l	99
68) m/p-Xylenes	9.37	106	219704	101.688	ug/l	97
69) o-Xylene	9.78	106	107518	51.208	ug/l	99
70) Styrene	9.79	104	179561	51.676	ug/l	99
71) Bromoform	9.96	173	47417	54.041	ug/l #	99
73) Isopropylbenzene	10.16	105	288286	48.971	ug/l	100
74) N-amyl acetate	10.01	43	164429	48.422	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	111974	49.515	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	105820m	54.016	ug/l	
77) Bromobenzene	10.45	156	67727	49.192	ug/l	98
78) n-propylbenzene	10.58	91	365227	49.928	ug/l	99
79) 2-Chlorotoluene	10.66	91	207364	49.213	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	242853	49.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	42291m	53.045	ug/l	
82) 4-Chlorotoluene	10.77	91	245069	49.080	ug/l	99
83) tert-Butylbenzene	11.10	119	230367	49.046	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	248410	49.464	ug/l	99
85) sec-Butylbenzene	11.32	105	300202	49.752	ug/l	99
86) p-Isopropyltoluene	11.48	119	254878	49.726	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	126526	48.668	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	128257	47.684	ug/l	99
89) n-Butylbenzene	11.89	91	264561	51.000	ug/l	100
90) Hexachloroethane	12.14	117	38154	49.248	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	125256	48.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24645	50.338	ug/l	98

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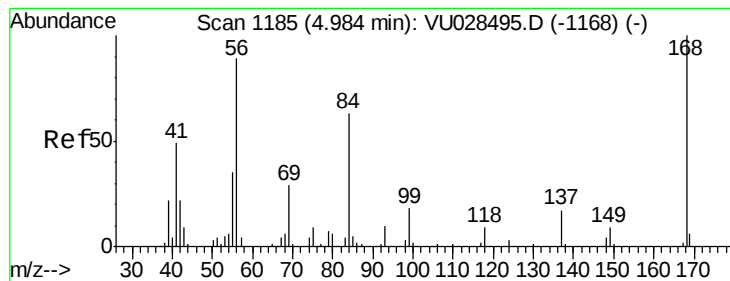
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	90474	50.619	ug/l	99
94) Hexachlorobutadiene	13.69	225	42231	49.577	ug/l	97
95) Naphthalene	13.74	128	298873	47.895	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	89046	50.068	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 95441

Ion Ratio Lower Upper

168 100

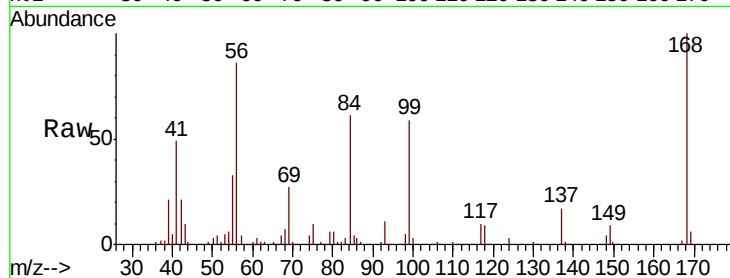
99 58.8 46.6 69.8

Manual Integrations

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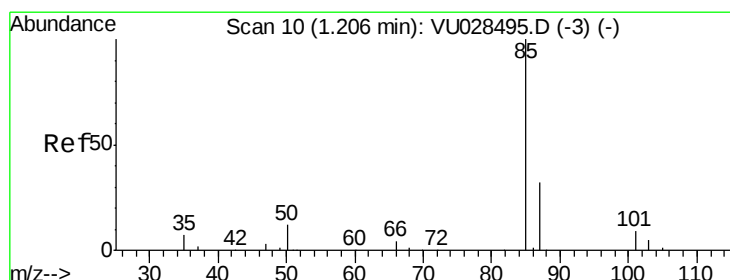
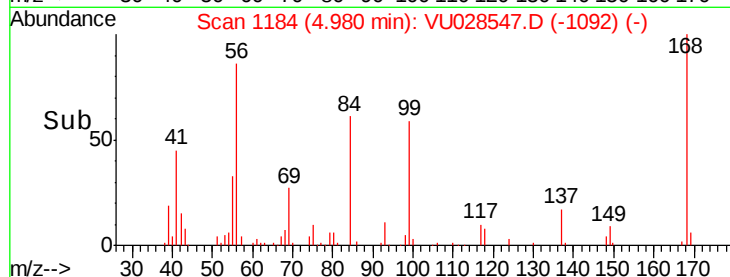


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 49.146 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028547.D

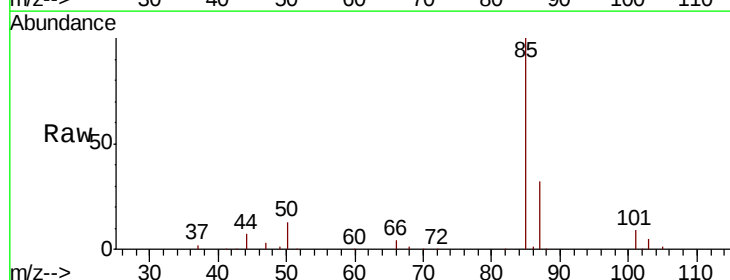
Acq: 10 Dec 2018 13:09

Tgt Ion: 85 Resp: 62870

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6

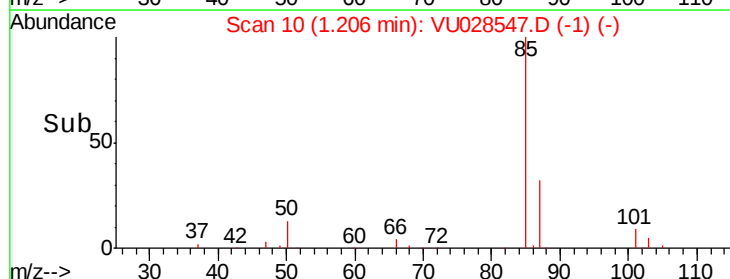


Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

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

1.21

Time-->





#3

Chloromethane

Concen: 45.499 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 107008

Ion Ratio Lower Upper

50 100

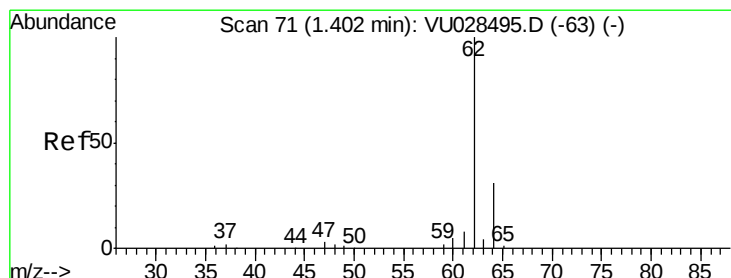
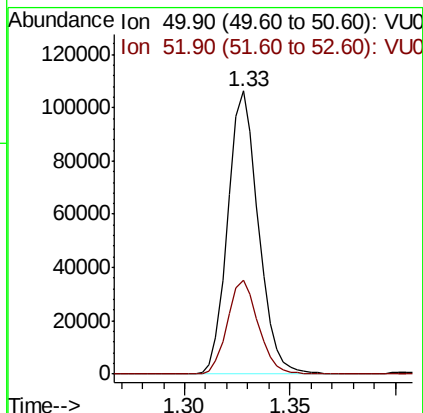
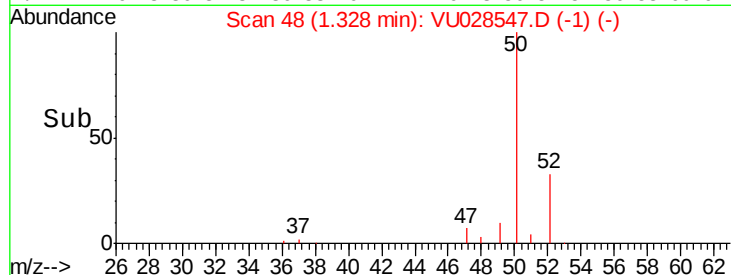
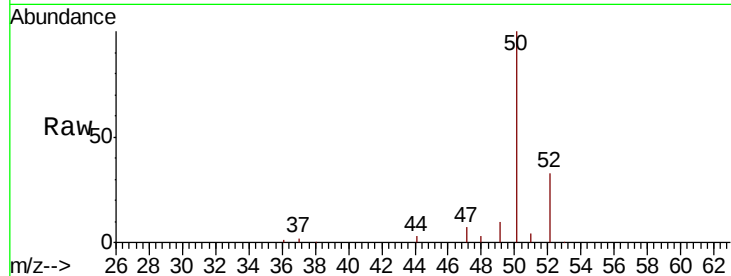
52 33.0 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.894 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028547.D

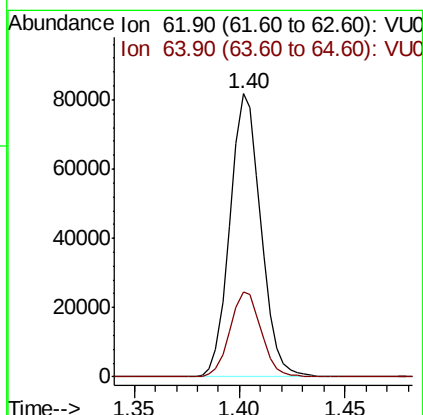
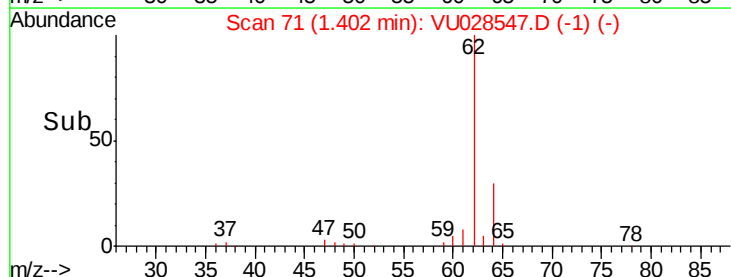
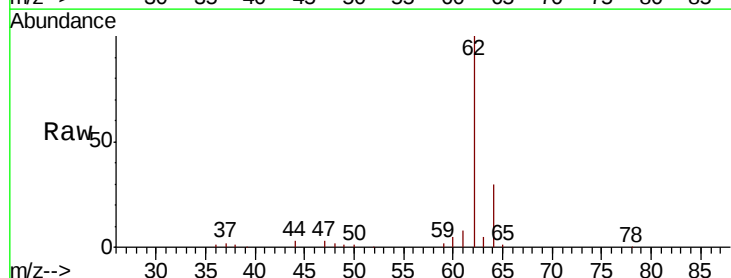
Acq: 10 Dec 2018 13:09

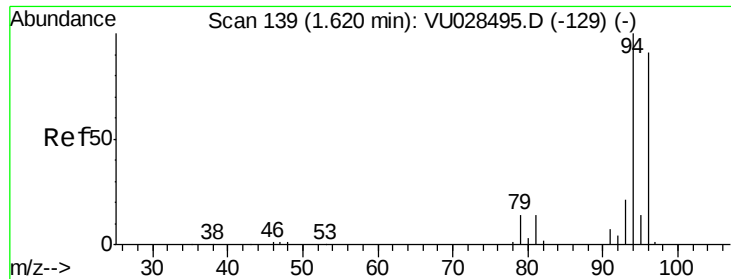
Tgt Ion: 62 Resp: 82986

Ion Ratio Lower Upper

62 100

64 30.0 25.1 37.7





#5

Bromomethane

Concen: 55.491 ug/l

RT: 1.62 min Scan# 138

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 37939

Ion Ratio Lower Upper

94 100

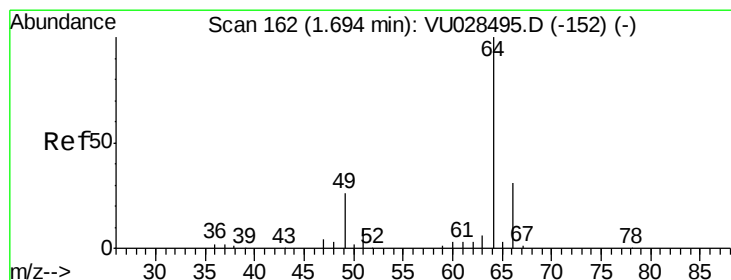
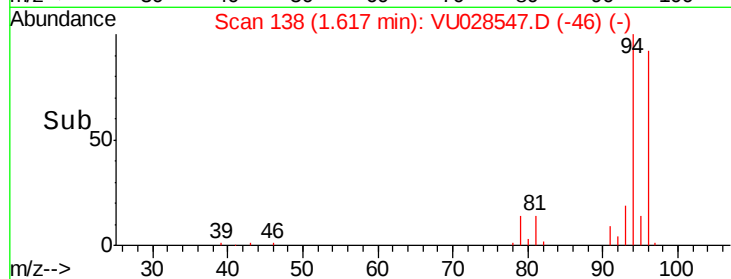
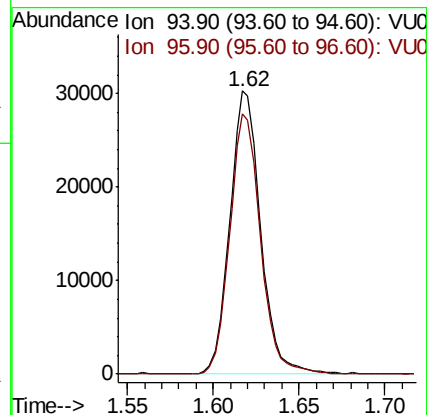
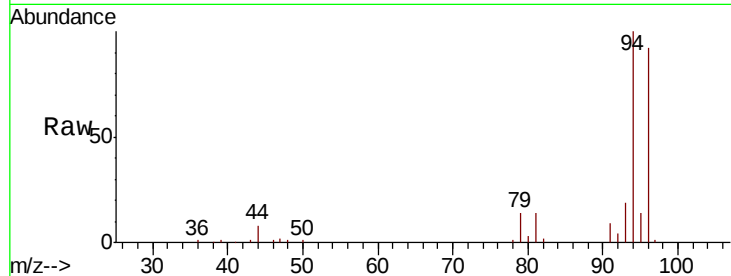
96 92.1 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 48.992 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU028547.D

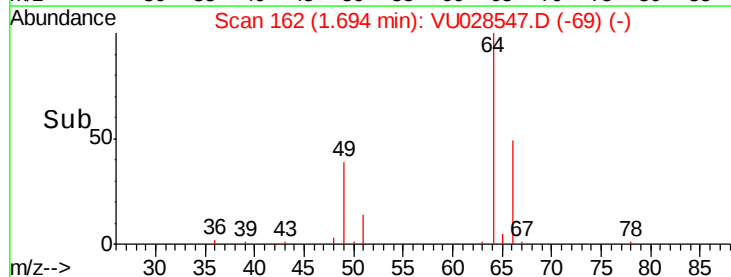
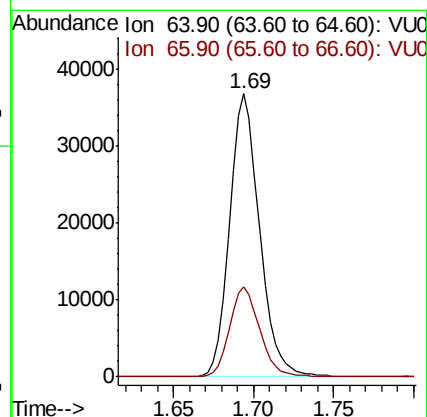
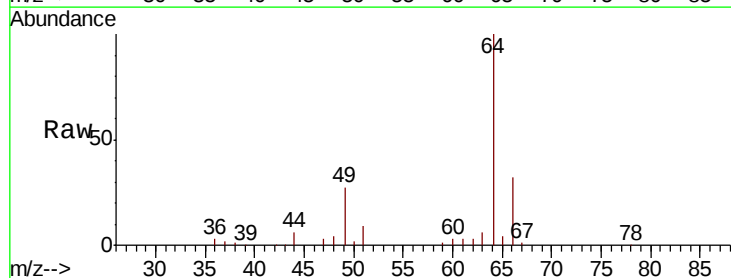
Acq: 10 Dec 2018 13:09

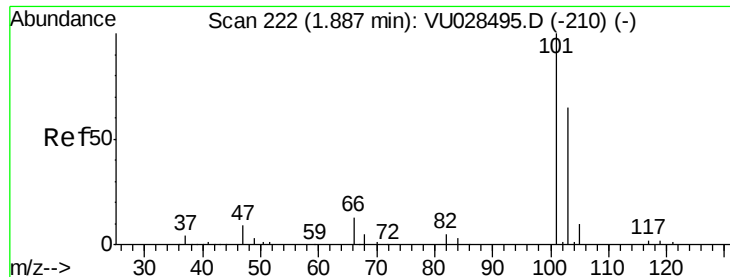
Tgt Ion: 64 Resp: 47075

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.6





#7

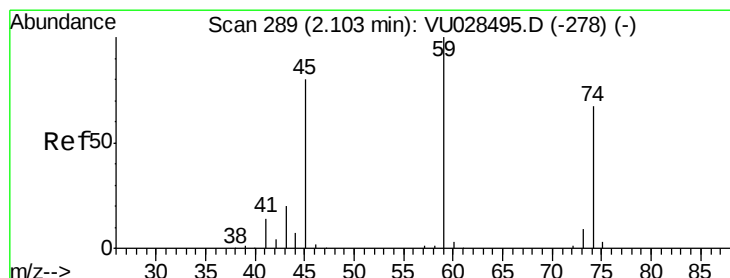
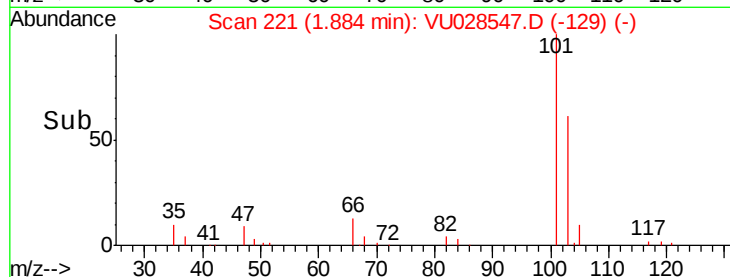
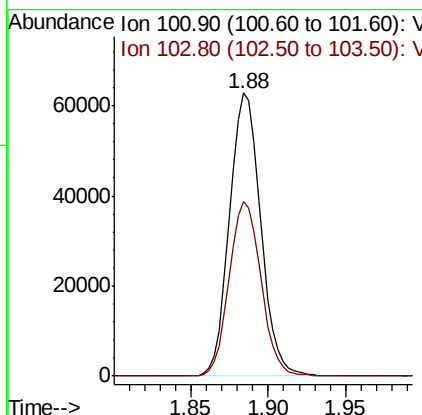
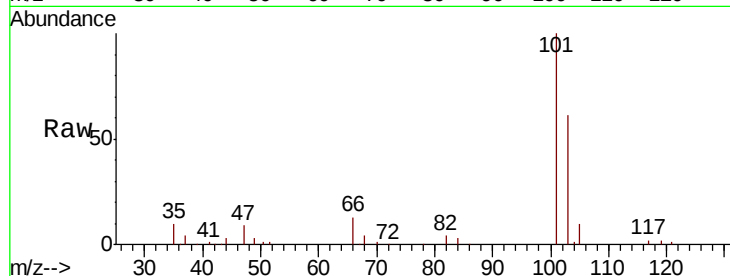
Trichlorofluoromethane
 Concen: 49.130 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 87732
 Ion Ratio Lower Upper
 101 100
 103 61.5 52.3 78.5

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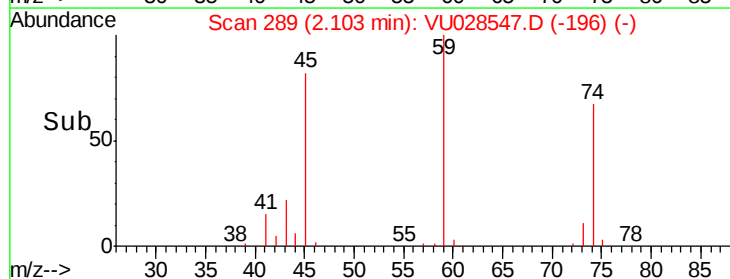
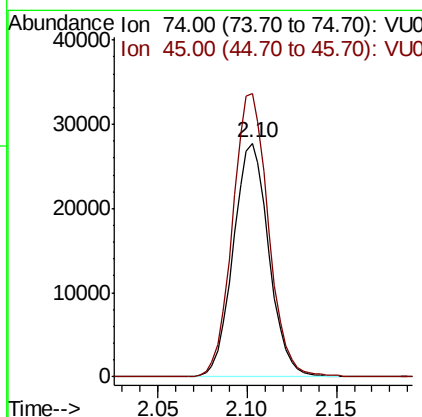
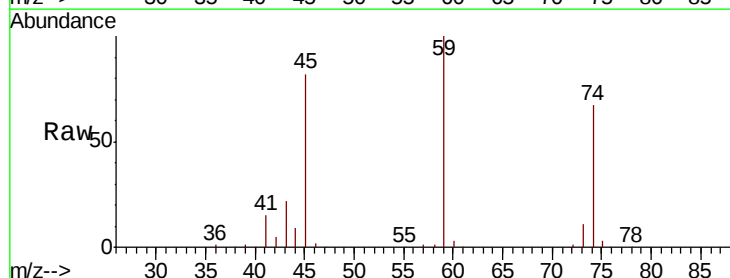
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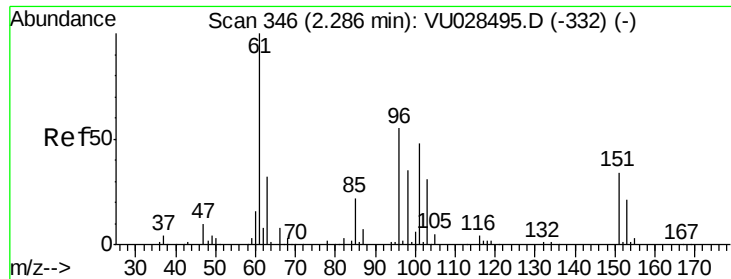


#8

Diethyl Ether
 Concen: 46.101 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion: 74 Resp: 38516
 Ion Ratio Lower Upper
 74 100
 45 122.2 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.184 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

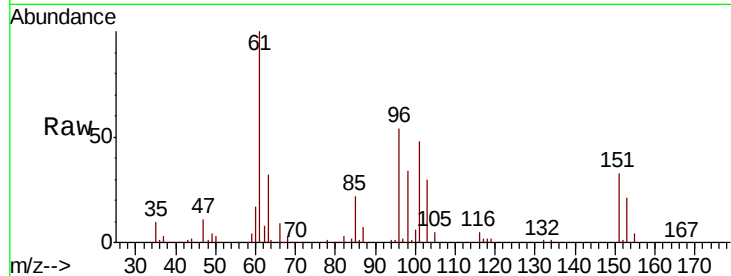
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	52528
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.4	54.6
151	70.1	58.2	87.2

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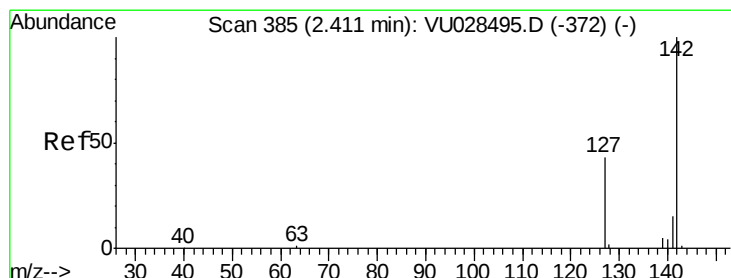
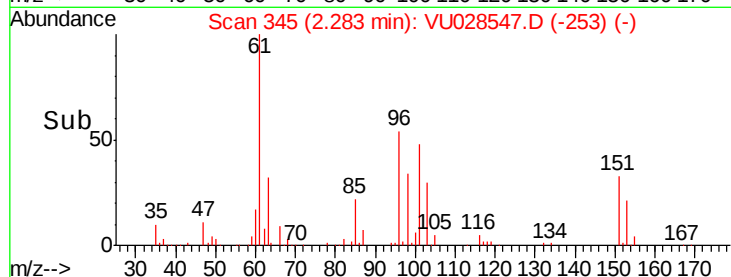
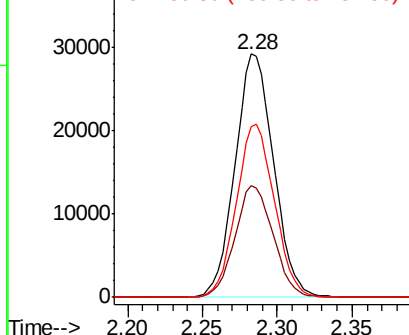


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 34.604 ug/l

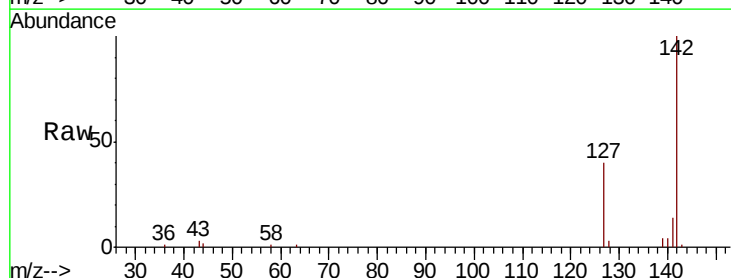
RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Tgt Ion:	142	Resp:	28998
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.5	50.3
141	13.8	11.2	16.8

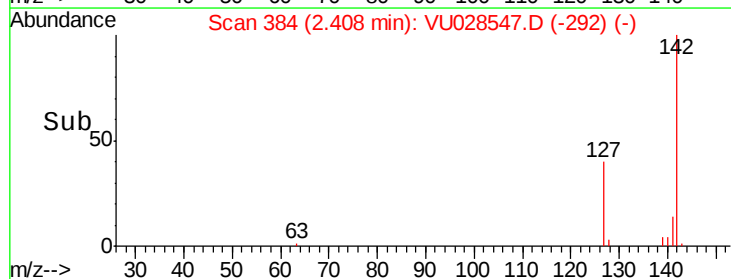
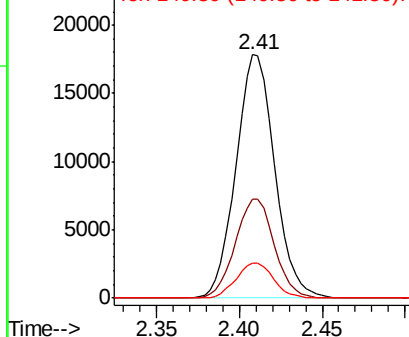


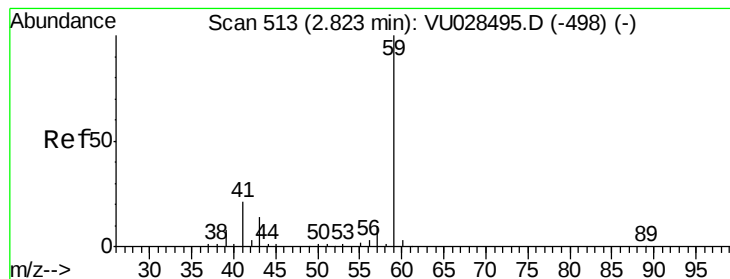
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

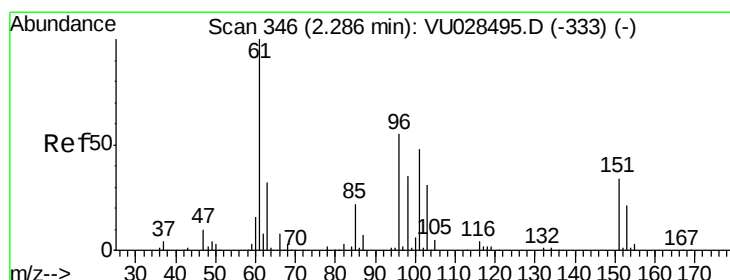
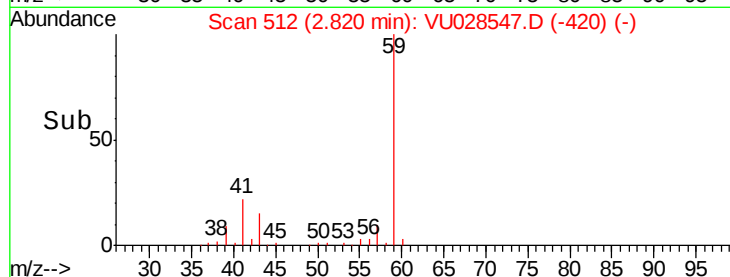
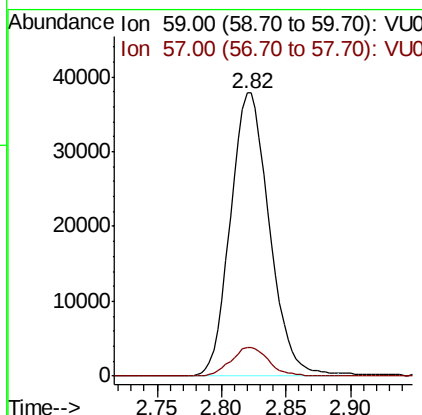
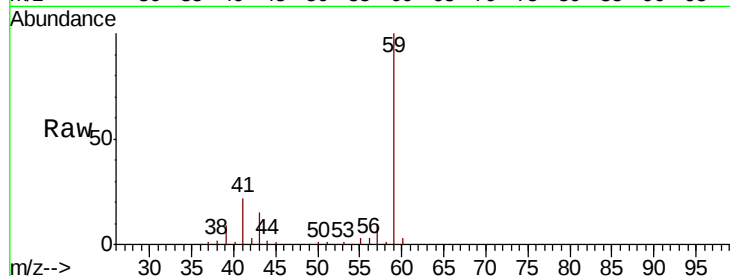
Tert butyl alcohol
Concen: 244.884 ug/l
RT: 2.82 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.0	12.0

Manual Integrations
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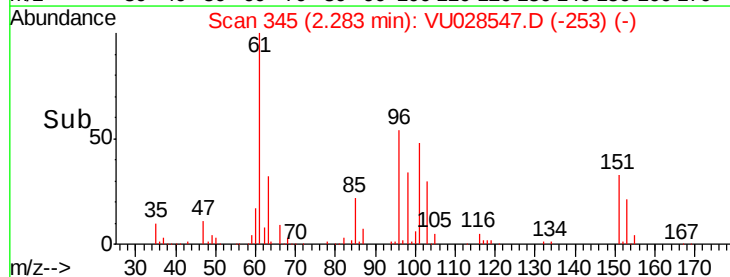
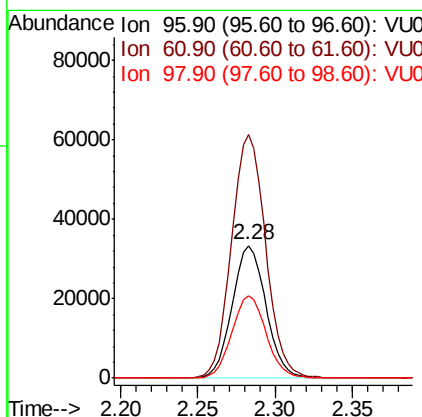
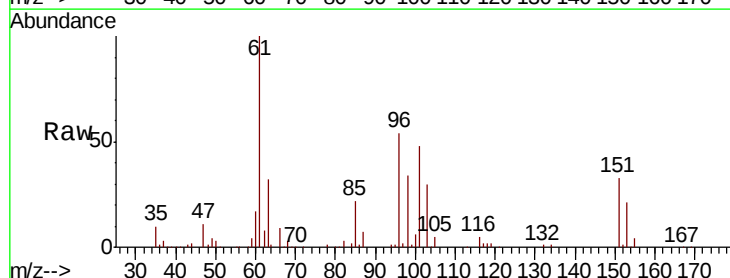
MMDadoda
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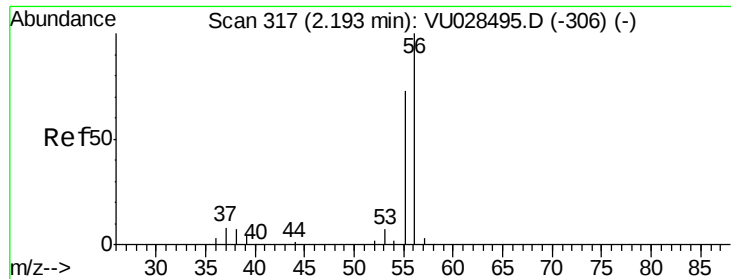


#12

1,1-Dichloroethene
Concen: 47.571 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.6	146.4	219.6
98	62.2	51.8	77.8





#13

Acrolein

Concen: 233.338 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 60362

Ion Ratio Lower Upper

56 100

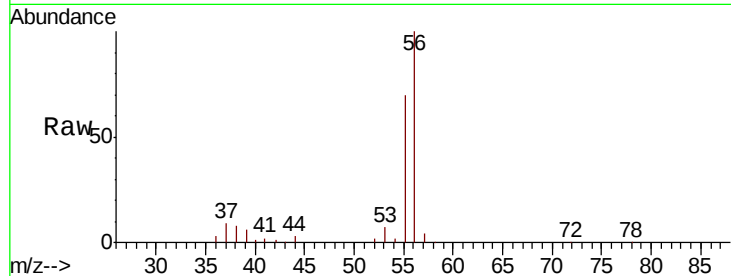
55 71.1 57.5 86.3

Manual Integrations

APPROVED

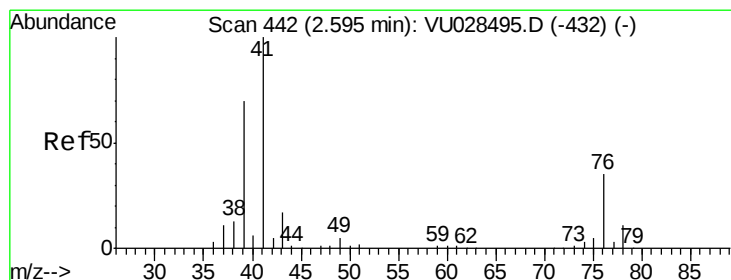
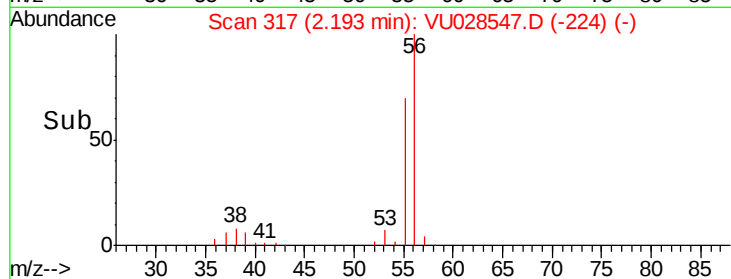
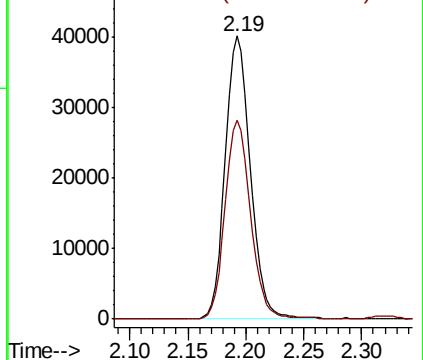
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 47.148 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

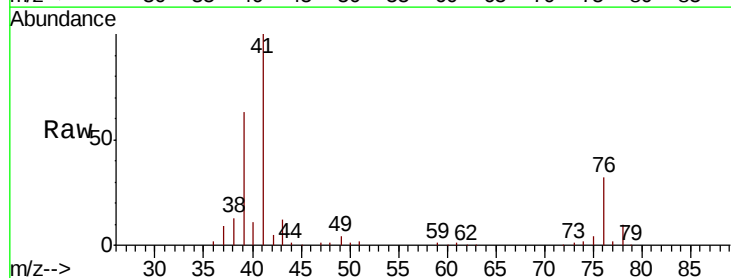
Tgt Ion: 41 Resp: 118522

Ion Ratio Lower Upper

41 100

39 62.3 50.8 76.2

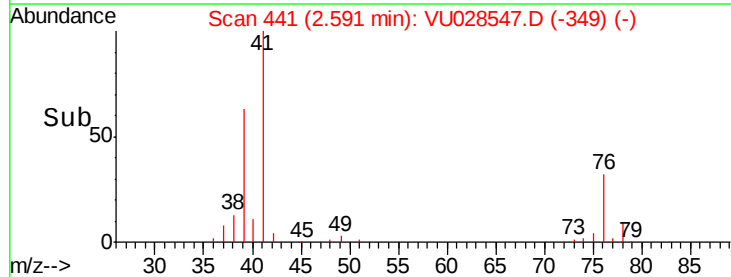
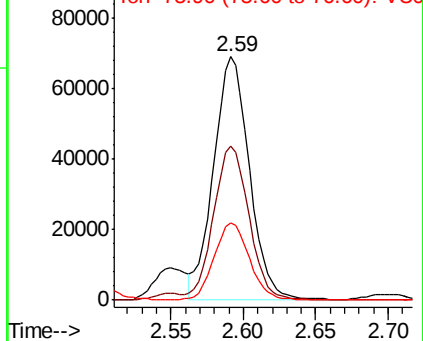
76 31.2 24.8 37.2

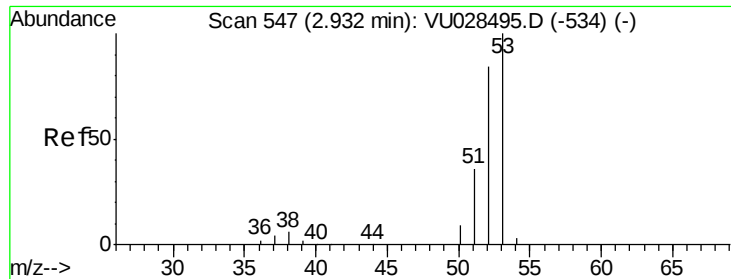


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 248.463 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

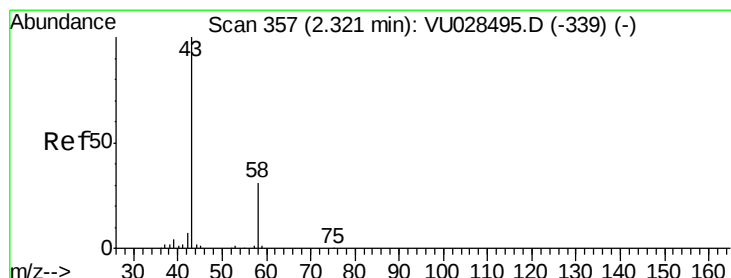
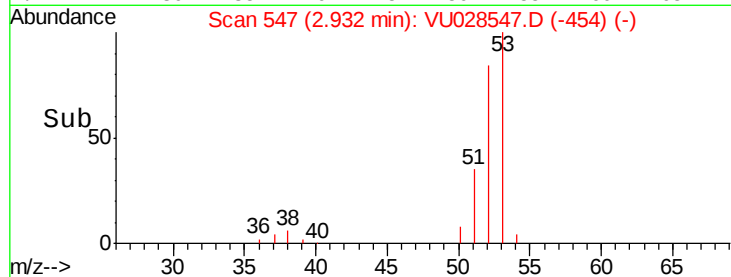
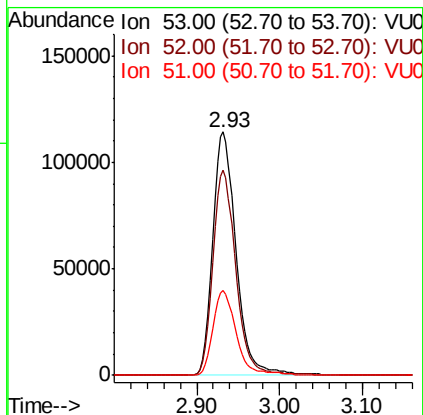
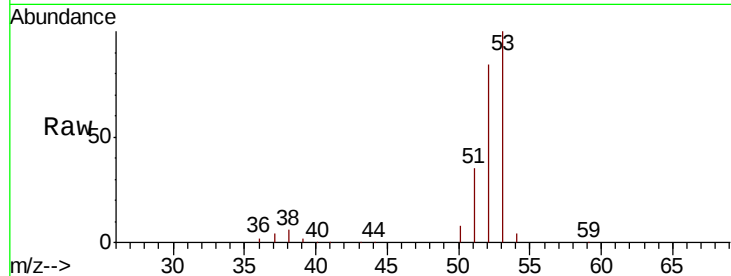
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	223844
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.1	99.1
51	35.0	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 245.288 ug/l

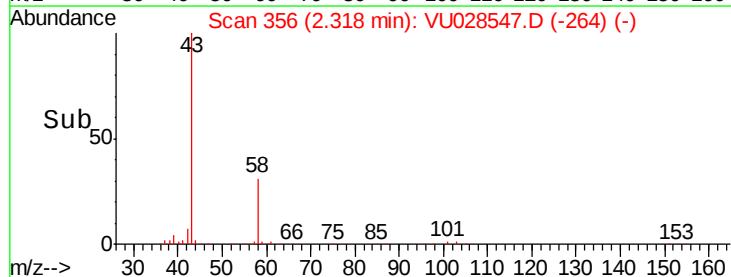
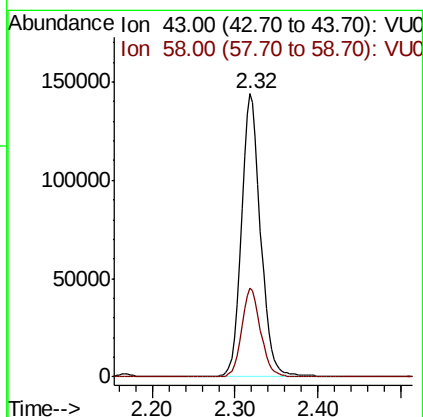
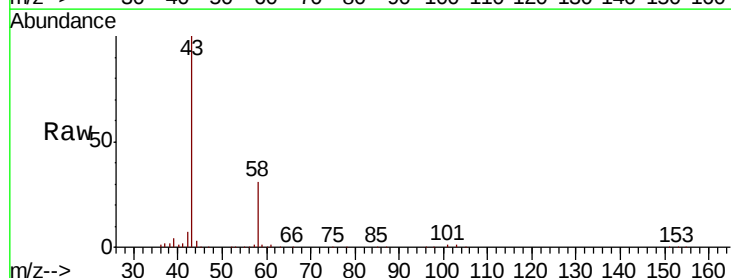
RT: 2.32 min Scan# 356

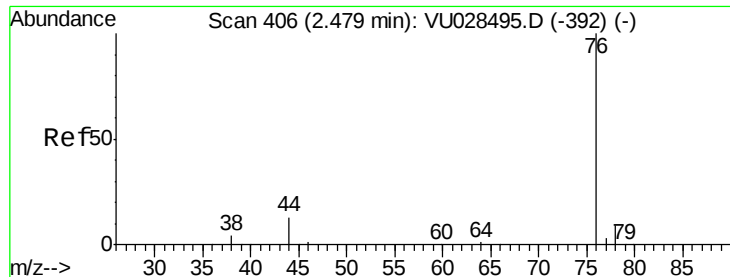
Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Tgt Ion:	43	Resp:	233129
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.6	37.0





#17

Carbon Disulfide

Concen: 47.688 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 182557

Ion Ratio Lower Upper

76 100

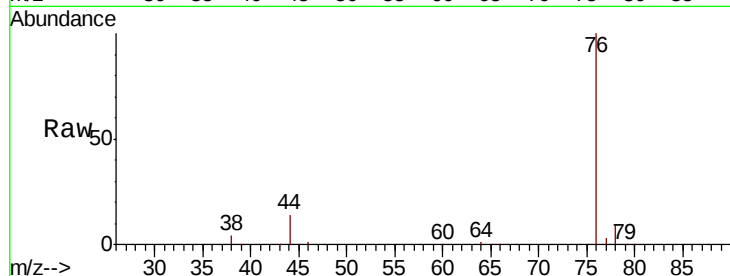
78 9.3 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

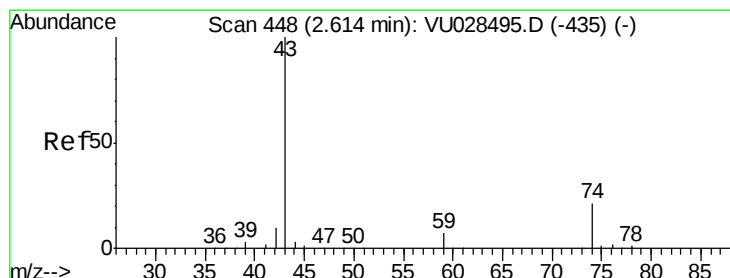
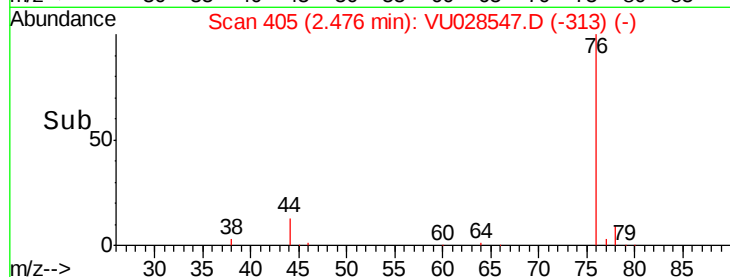
2.48

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.540 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028547.D

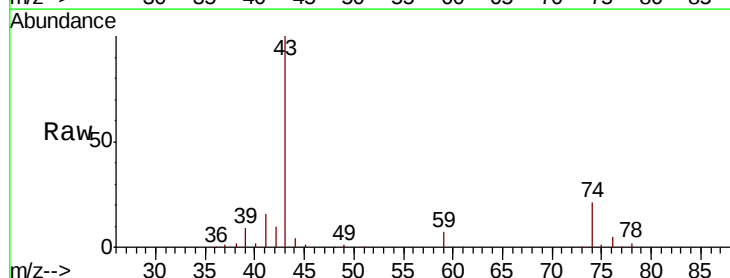
Acq: 10 Dec 2018 13:09

Tgt Ion: 43 Resp: 124518

Ion Ratio Lower Upper

43 100

74 20.2 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

80000

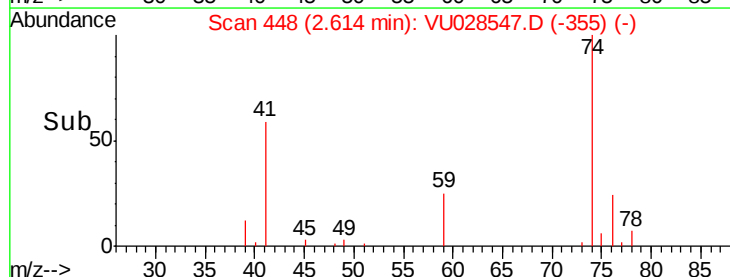
60000

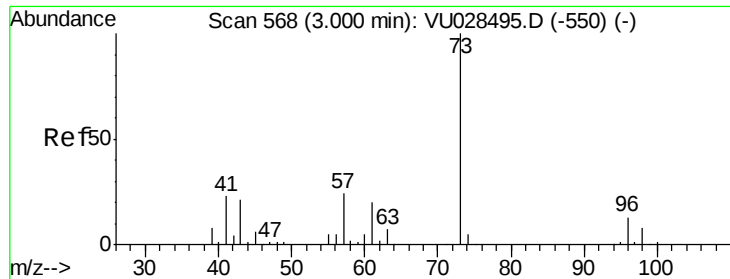
40000

20000

0

Time-->





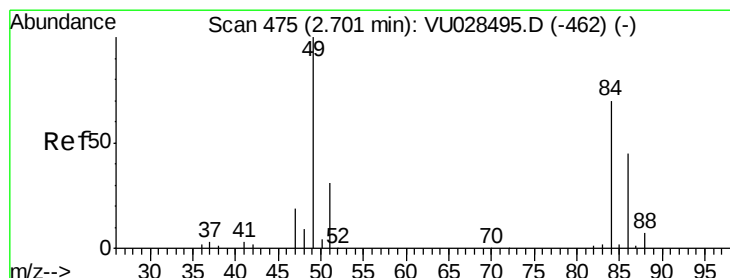
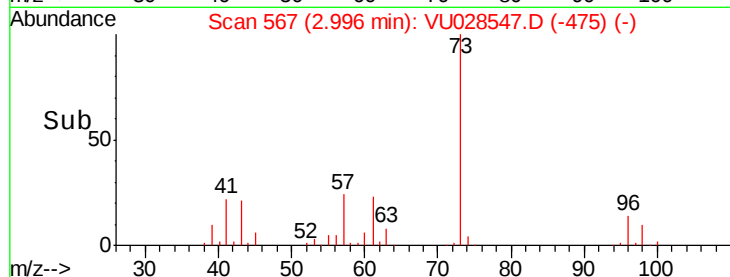
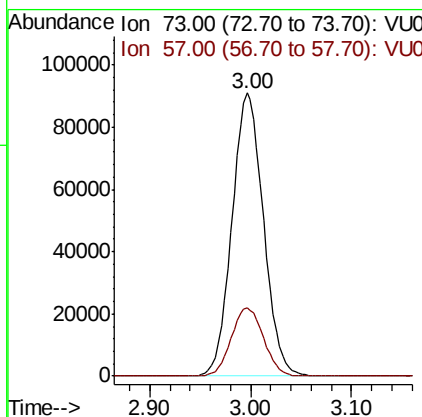
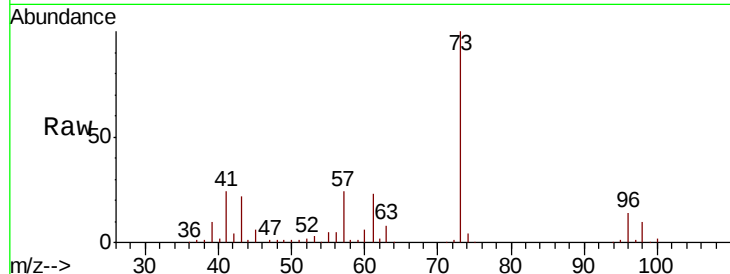
#19
Methvl tert-butvl Ether
Concen: 48.850 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 196783
Ion Ratio Lower Upper
73 100
57 24.0 19.4 29.2

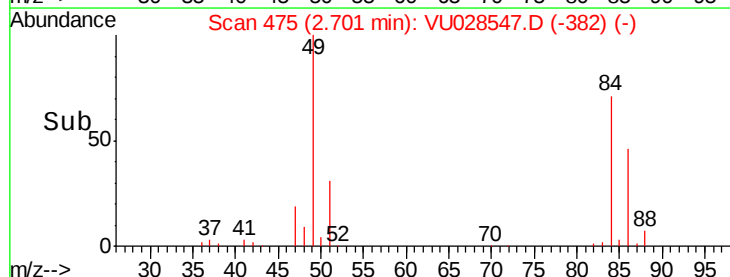
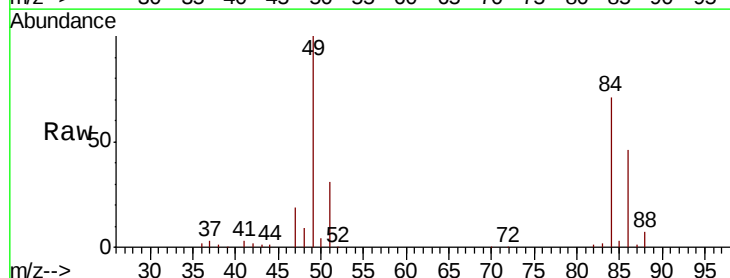
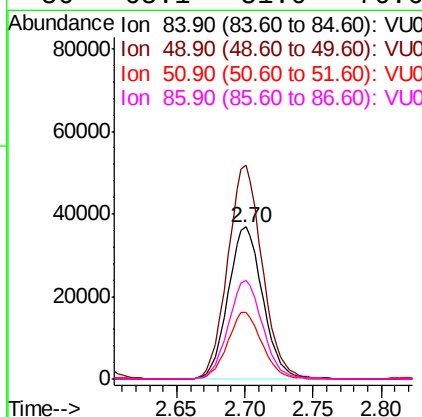
Manual Integrations
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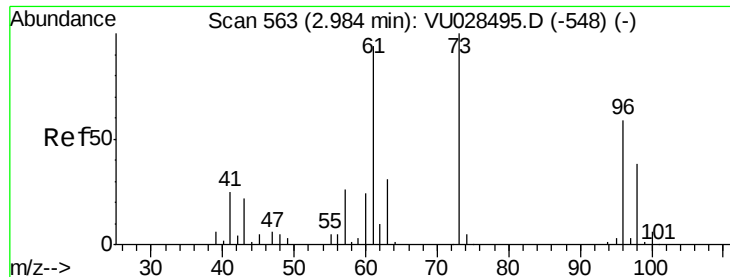
MMDadoda
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#20
Methylene Chloride
Concen: 46.320 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 84 Resp: 64898
Ion Ratio Lower Upper
84 100
49 140.8 114.0 171.0
51 44.1 35.1 52.7
86 65.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.965 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 57387

Ion Ratio Lower Upper

96 100

61 158.3 127.0 190.4

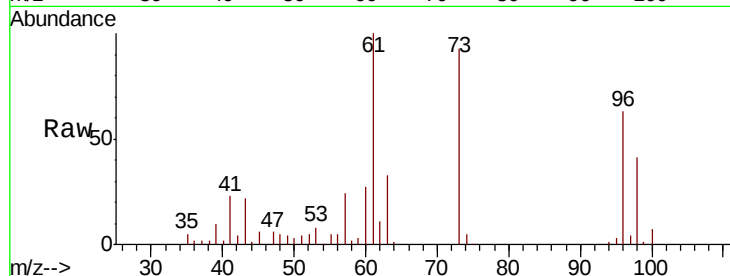
98 65.2 51.9 77.9

Manual Integrations

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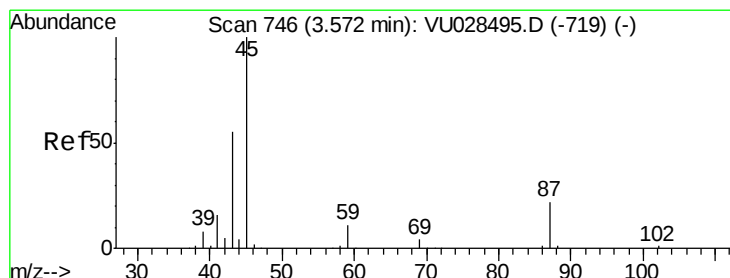
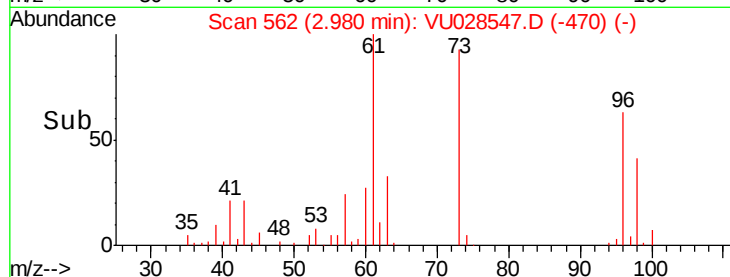
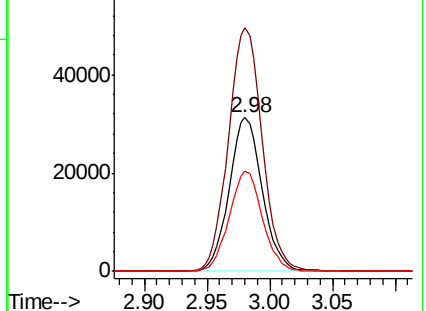
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Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

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

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



#22

Diisopropyl ether

Concen: 50.264 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Tgt Ion: 45 Resp: 245719

Ion Ratio Lower Upper

45 100

43 55.6 45.3 67.9

87 21.9 17.6 26.4

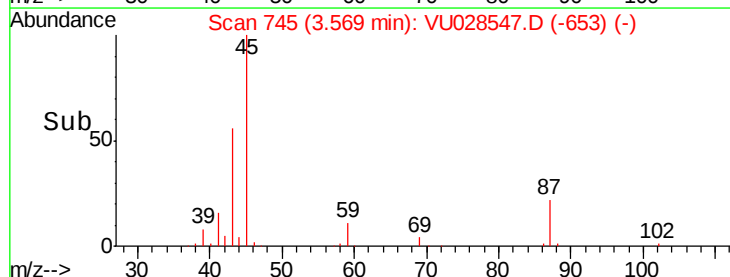
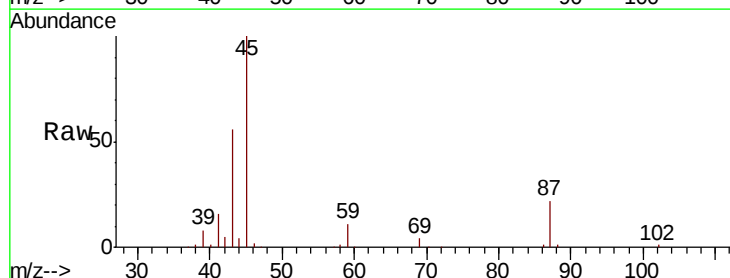
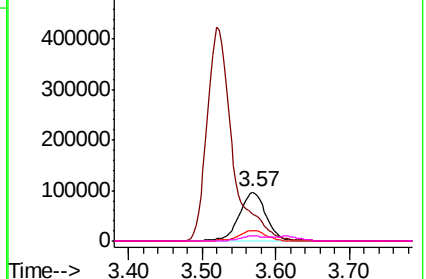
59 11.0 8.8 13.2

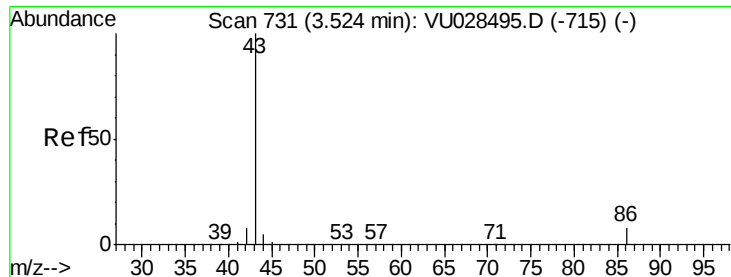
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

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

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

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





#23

Vinyl Acetate

Concen: 252.934 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1019896

Ion Ratio Lower Upper

43 100

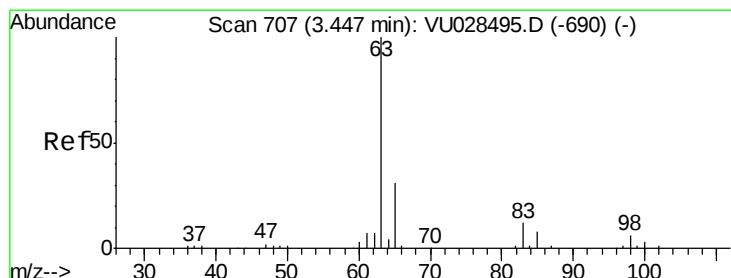
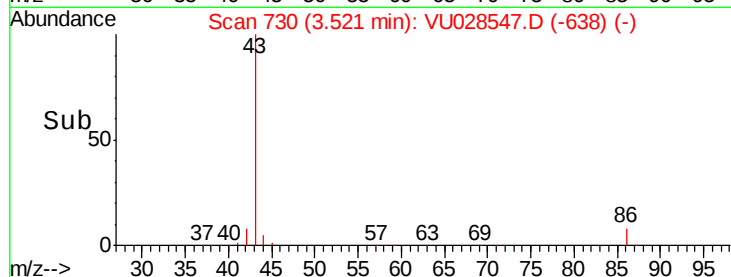
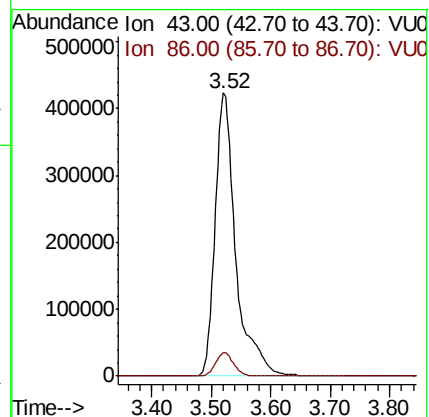
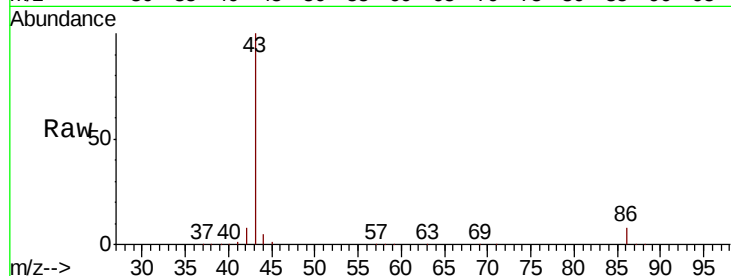
86 8.2 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.117 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

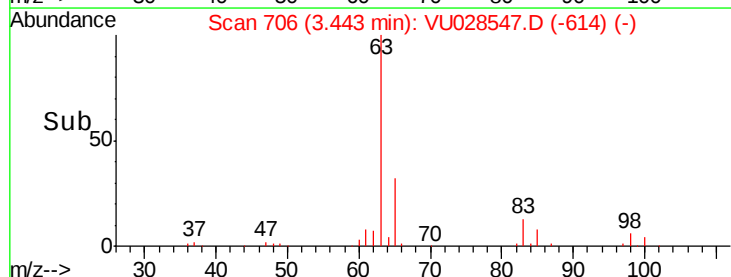
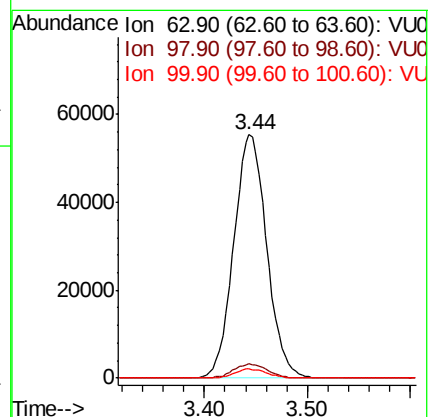
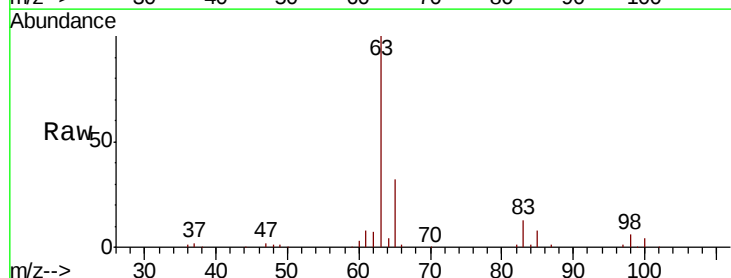
Tgt Ion: 63 Resp: 123129

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.6 1.7 5.1





#25

2-Butanone

Concen: 253.762 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 329600

Ion Ratio Lower Upper

43 100

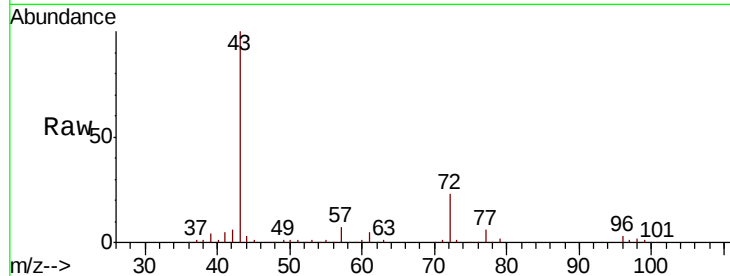
72 22.8 18.6 28.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-930) (-)

4.26

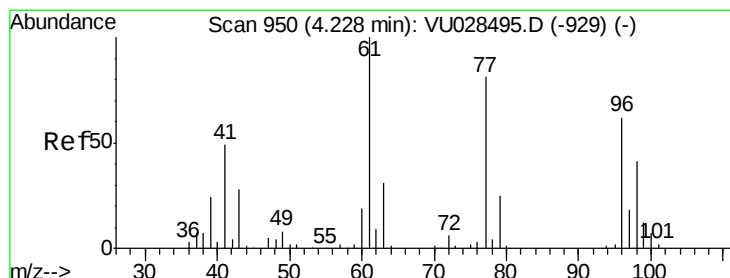
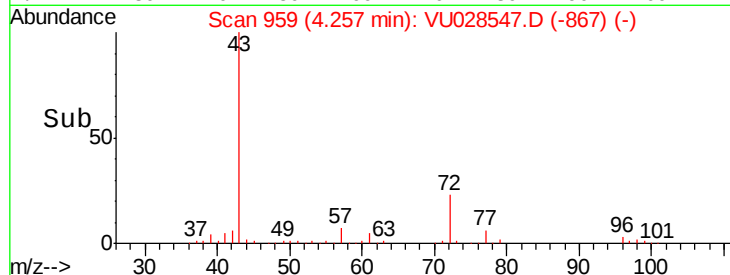
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.425 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028547.D

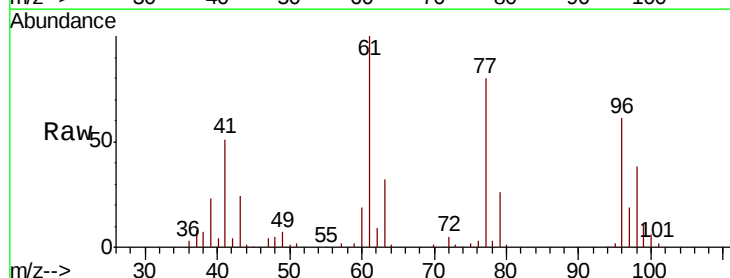
Acq: 10 Dec 2018 13:09

Tgt Ion: 77 Resp: 98186

Ion Ratio Lower Upper

77 100

97 22.4 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028495.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028495.D (-929) (-)

4.22

40000

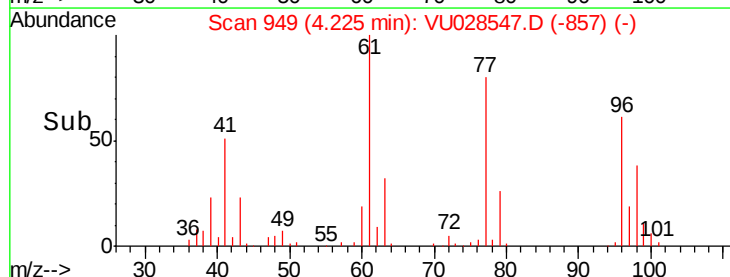
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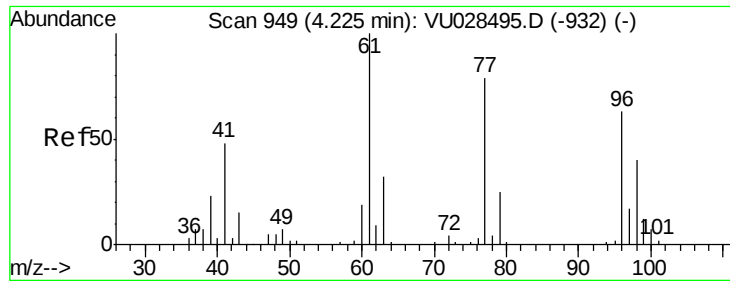
20000

10000

0

Time-->





#27

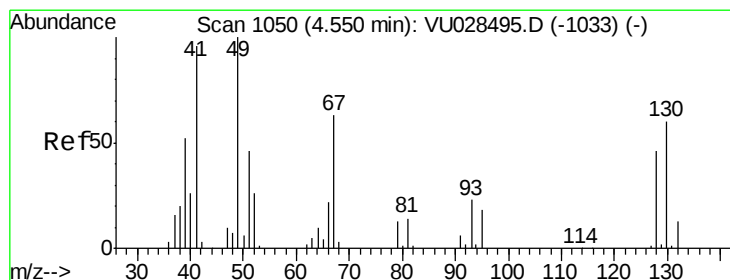
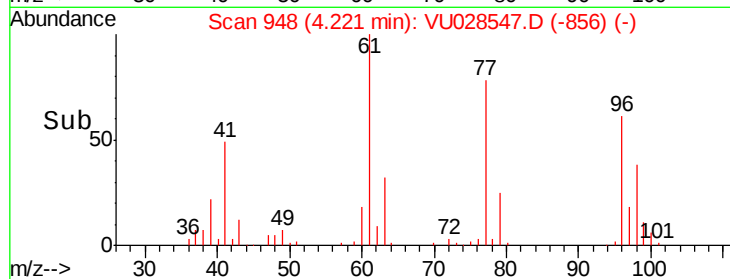
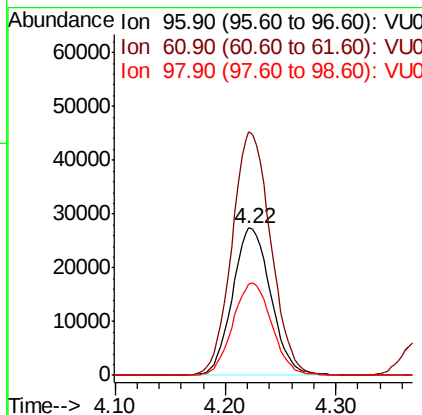
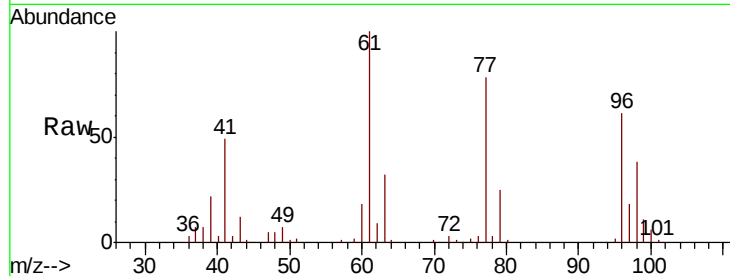
cis-1,2-Dichloroethene
Concen: 48.669 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.8	0.0	332.4
98	63.9	0.0	129.0

Manual Integrations
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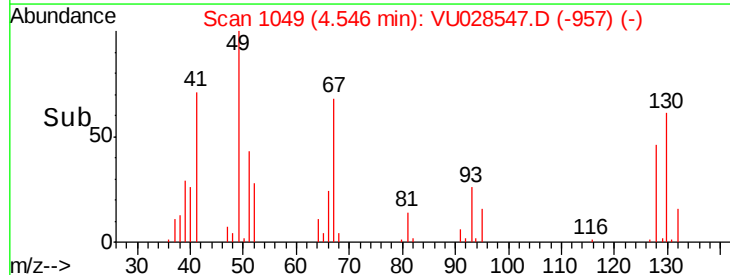
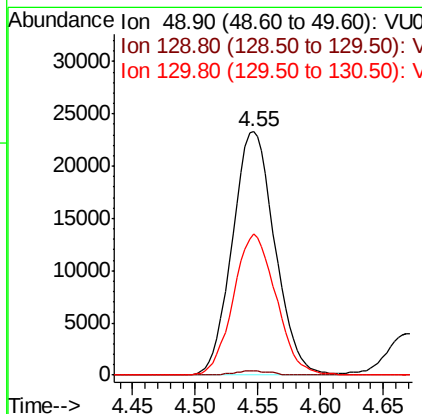
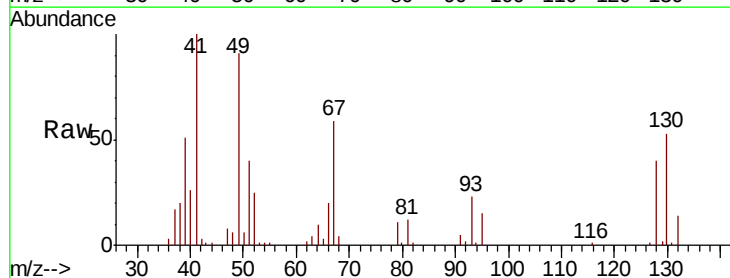
MMDadoda
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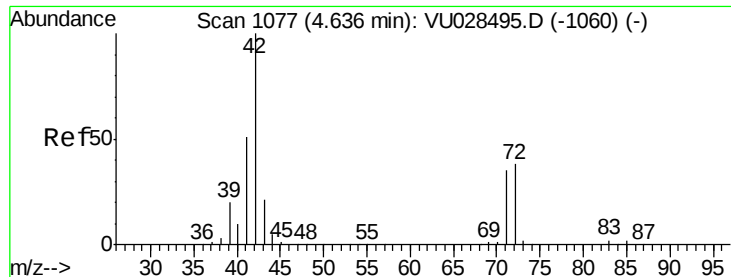


#28

Bromochloromethane
Concen: 47.234 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	58.0	47.8	71.8





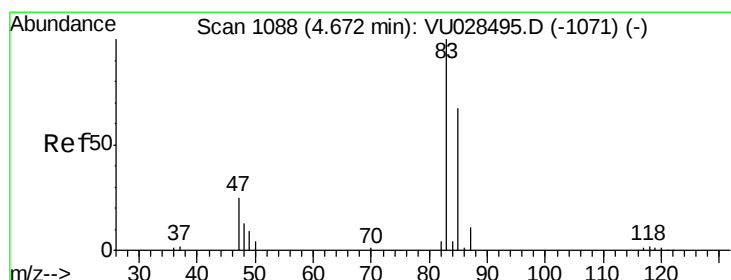
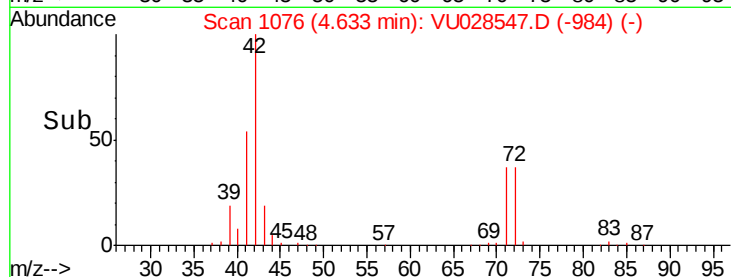
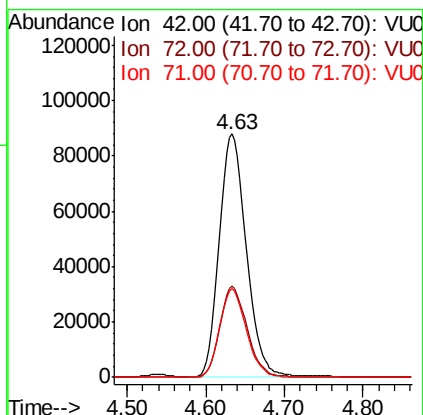
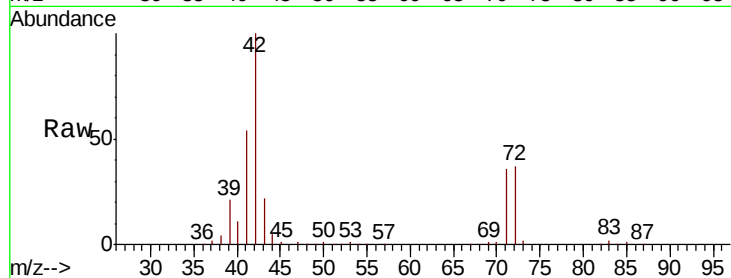
#29
Tetrahydrofuran
Concen: 250.079 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.4	47.0
71	35.9	28.6	43.0

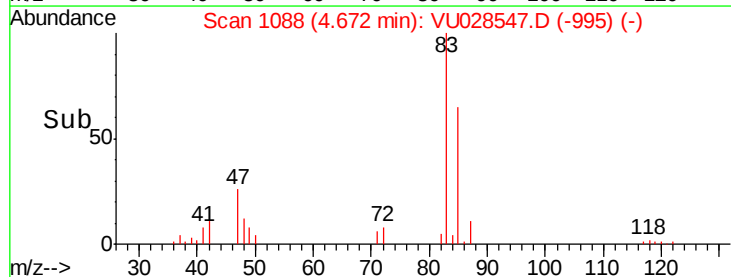
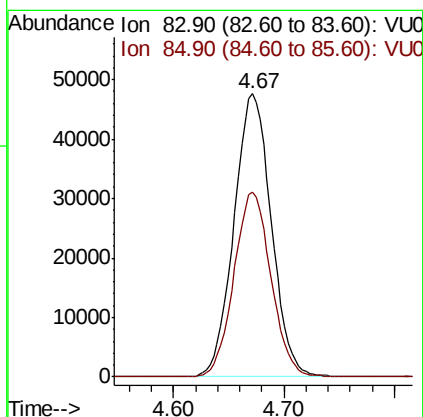
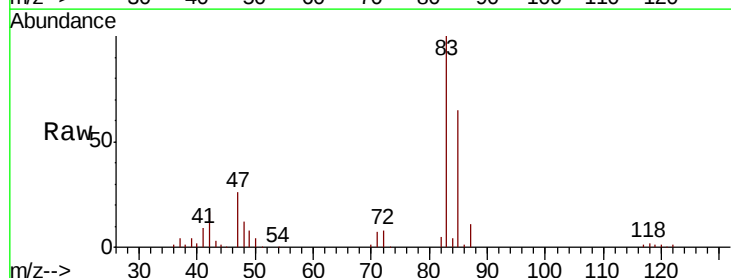
Manual Integrations
APPROVED

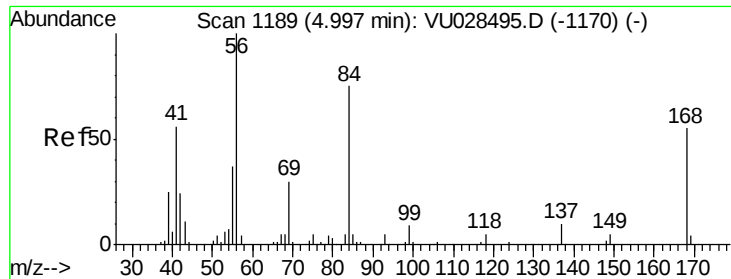
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#30
Chloroform
Concen: 50.065 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.6	80.4





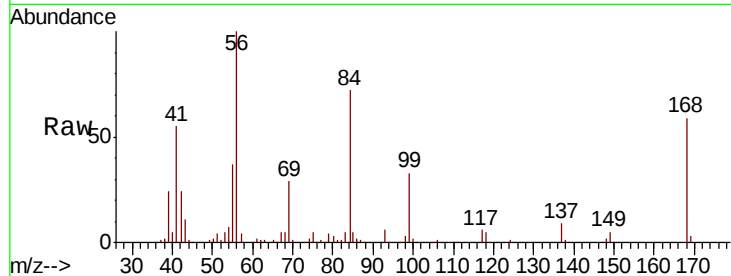
#31
Cyclohexane
Concen: 49.802 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.0	36.0
84	71.4	59.7	89.5

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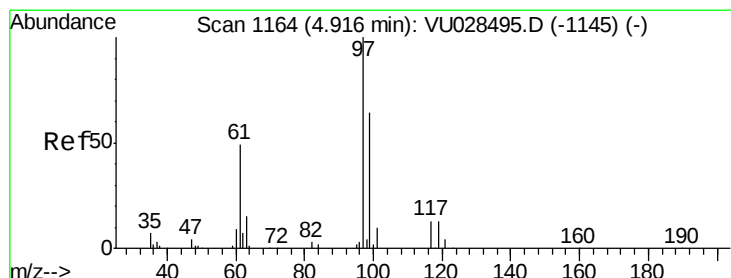
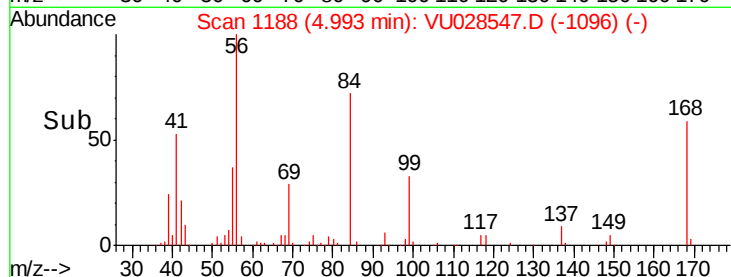
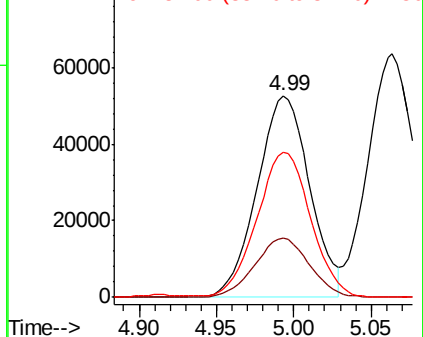


Abundance

Ion 56.00 (55.70 to 56.70): VU0

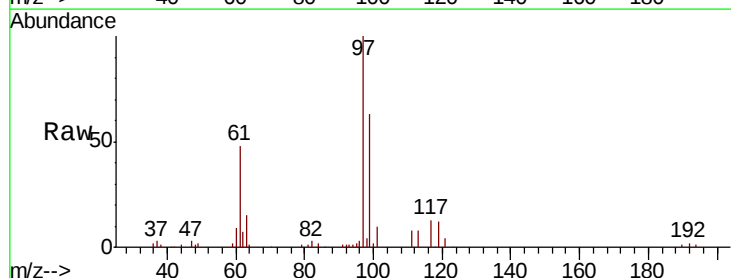
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 49.402 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.3	78.5
61	48.8	39.0	58.6

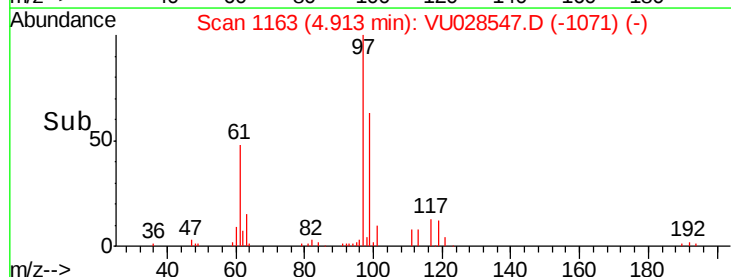
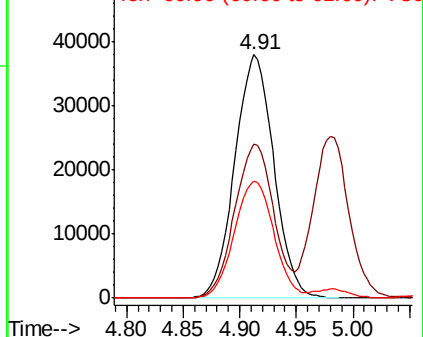


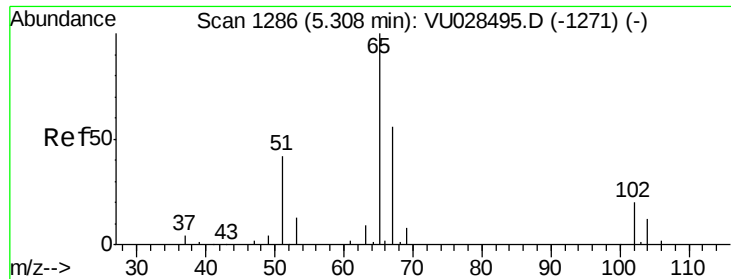
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





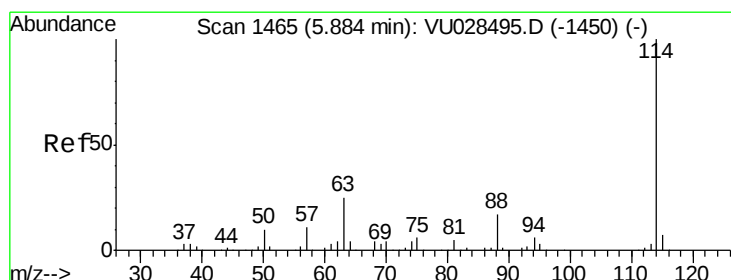
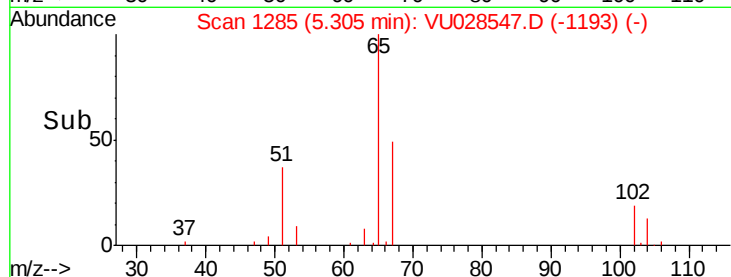
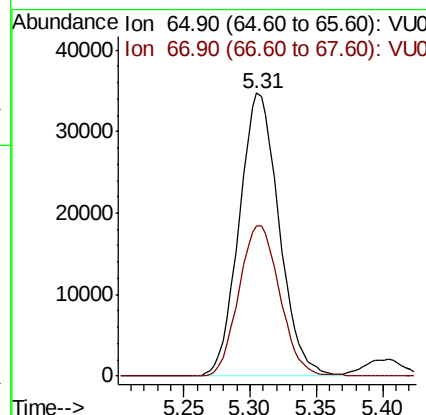
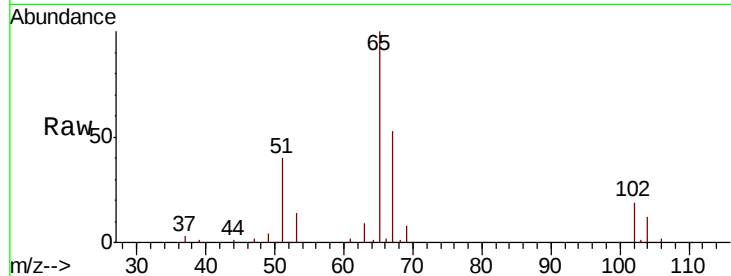
#33
 1,2-Dichloroethane-d4
 Concen: 49.914 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	110.6

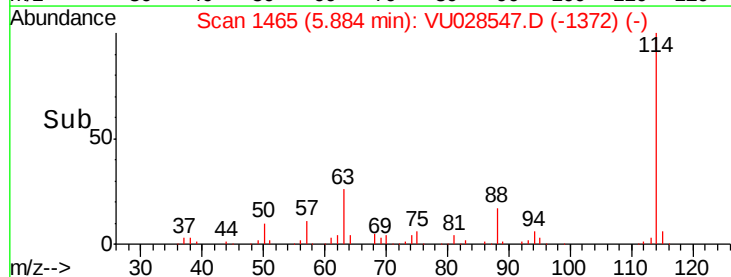
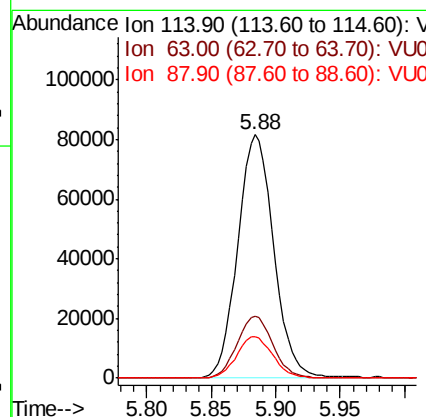
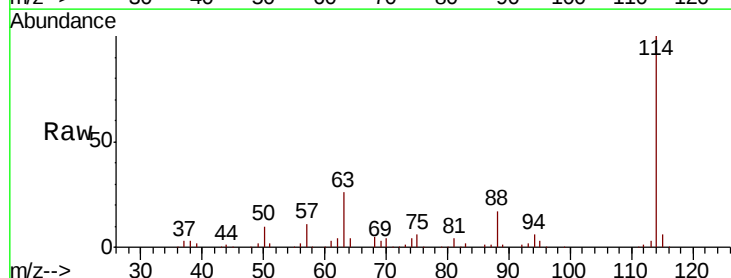
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.7	0.0	49.2
88	17.1	0.0	33.4





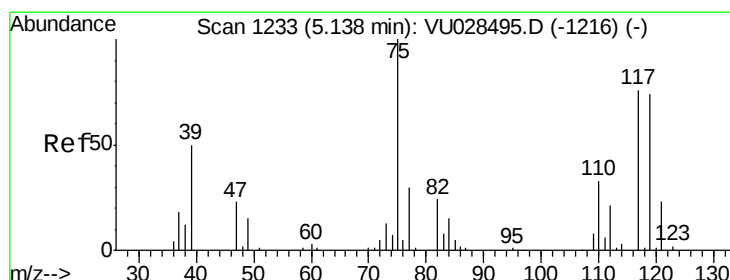
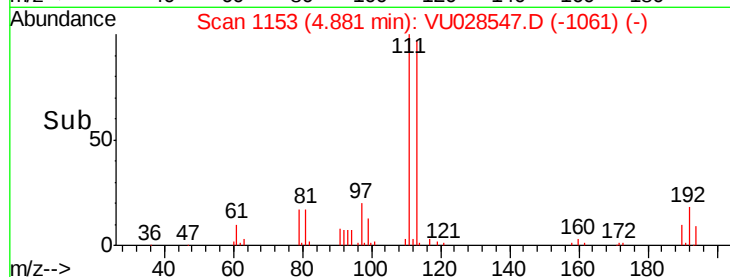
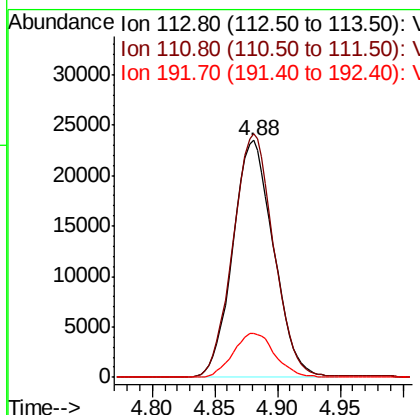
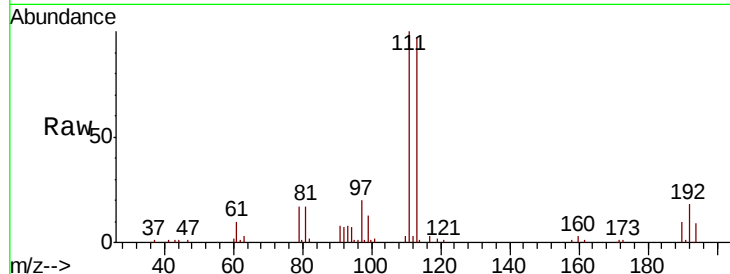
#35
Dibromofluoromethane
Concen: 53.324 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.4	125.0
192	19.1	14.8	22.2

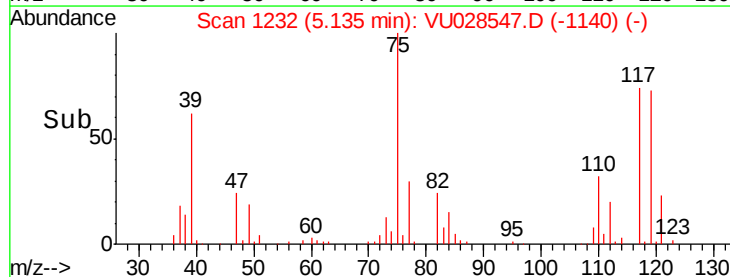
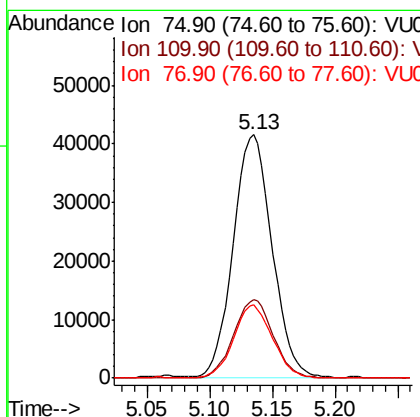
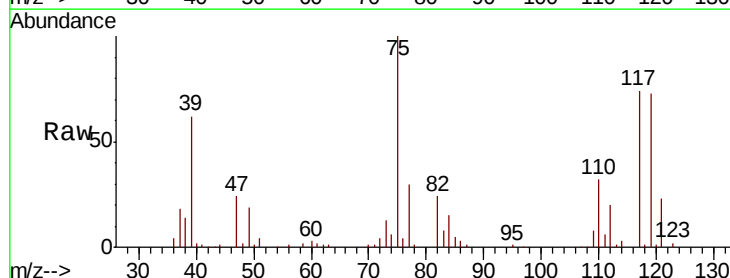
Manual Integrations
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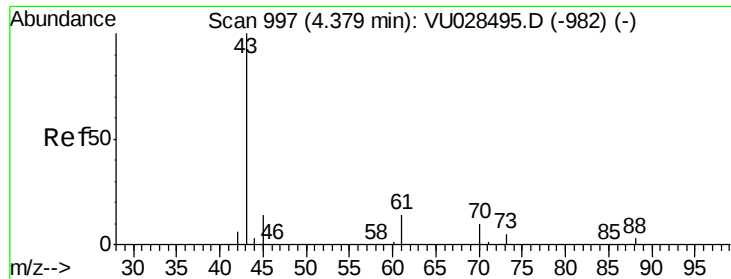
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#36
1,1-Dichloropropene
Concen: 51.361 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.1	48.2
77	30.3	24.5	36.7





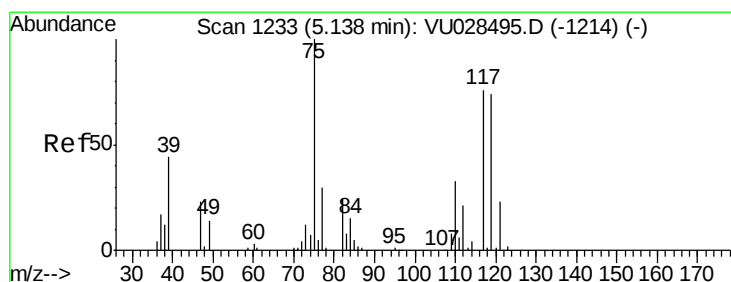
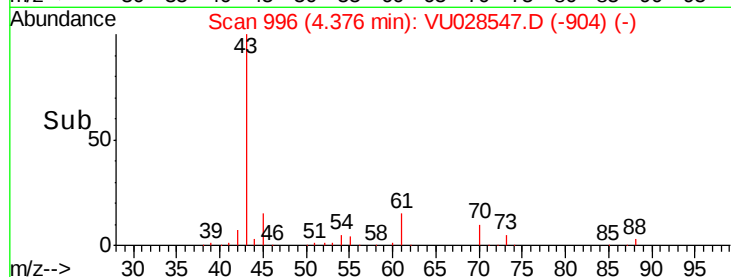
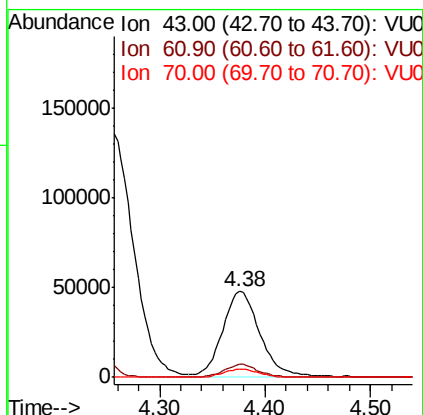
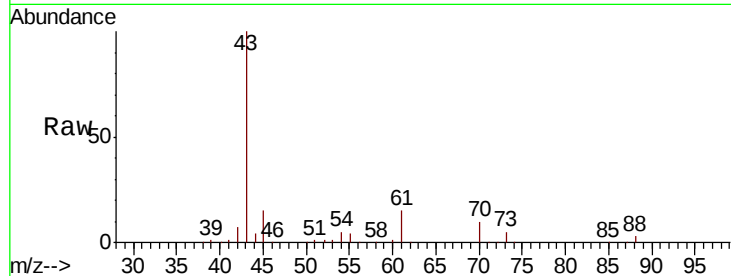
#37
Ethyl Acetate
Concen: 51.655 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.0	16.4
70	9.3	7.4	11.0

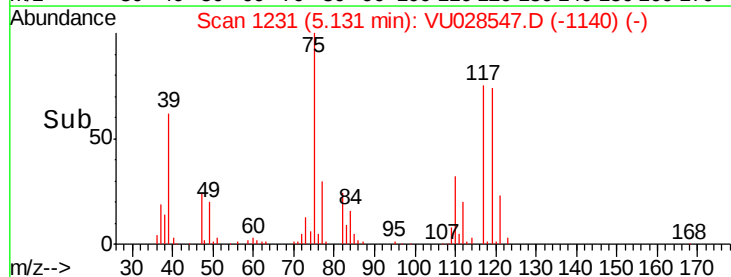
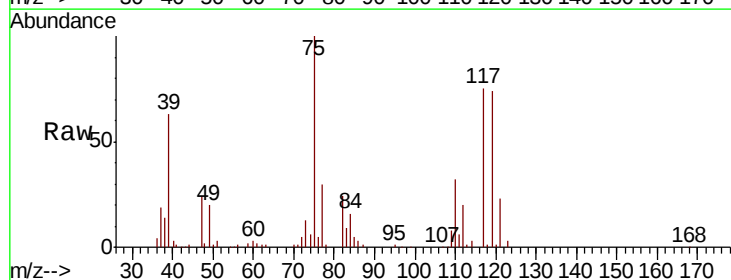
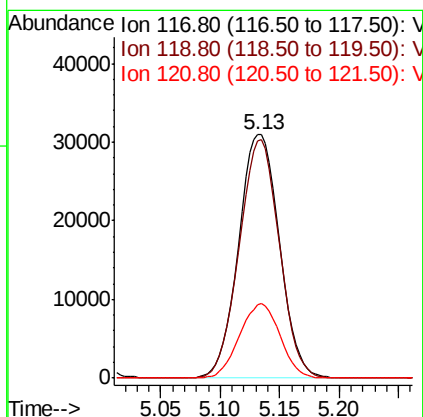
Manual Integrations
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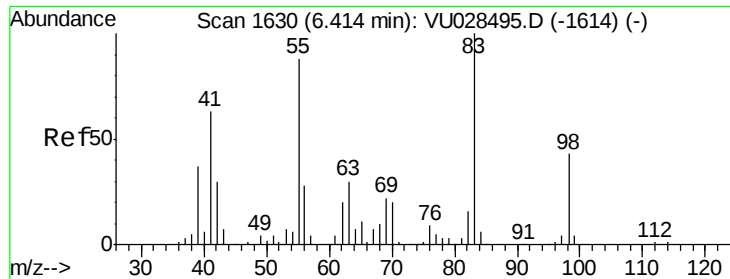
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#38
Carbon Tetrachloride
Concen: 52.759 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.6	116.4
121	29.9	24.6	36.8





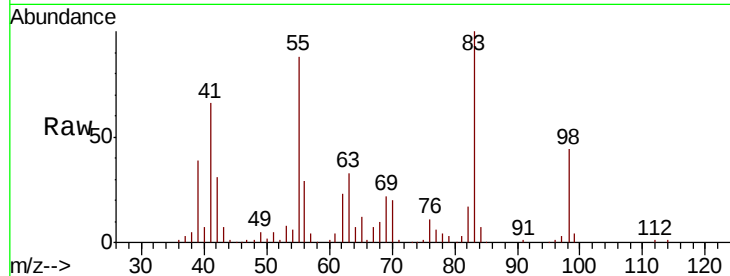
#39
Methylvlcvclohexane
Concen: 51.633 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

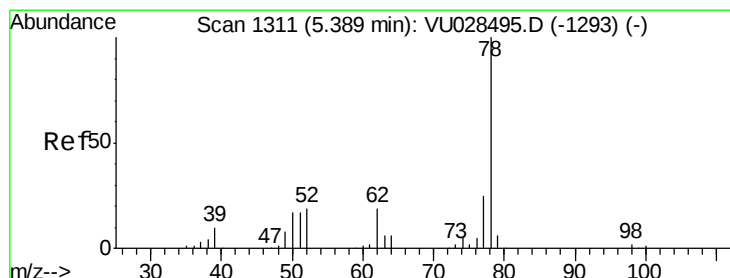
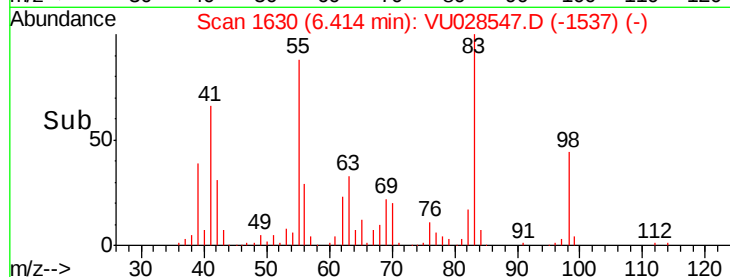
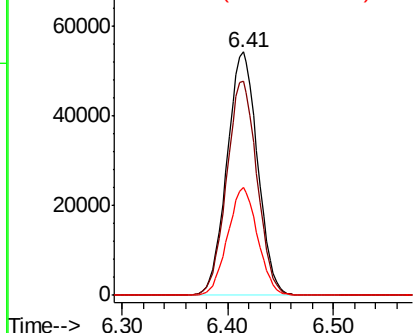
Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	70.2	105.2
98	44.3	34.2	51.4

Manual Integrations
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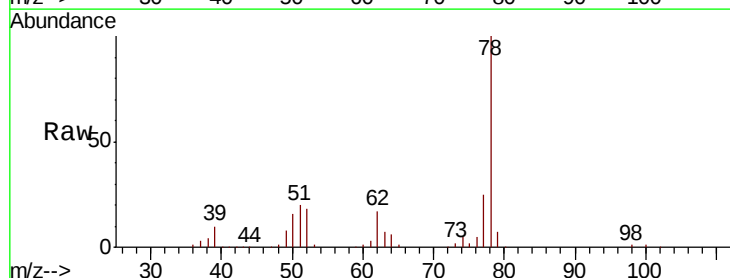


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

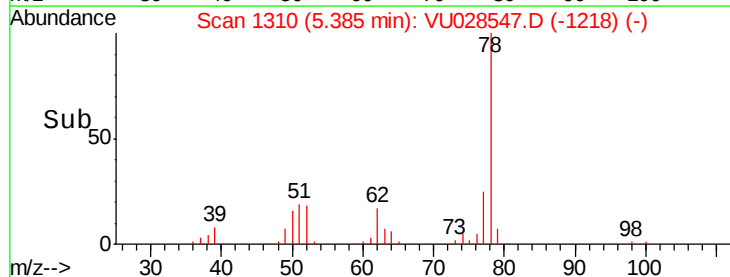
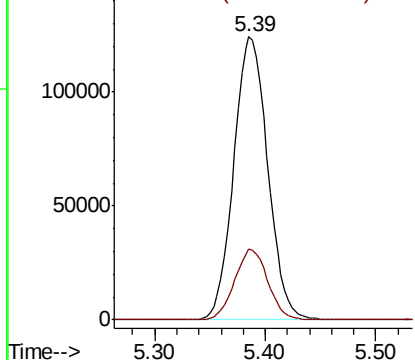


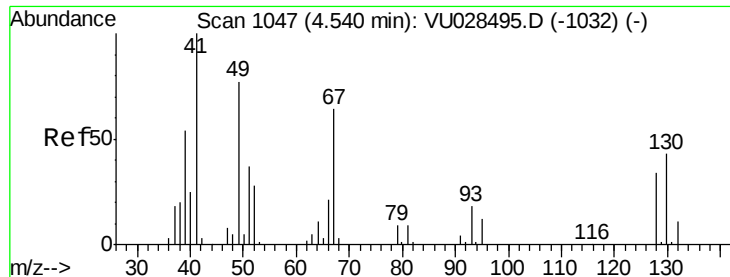
#40
Benzene
Concen: 52.005 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.9	29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





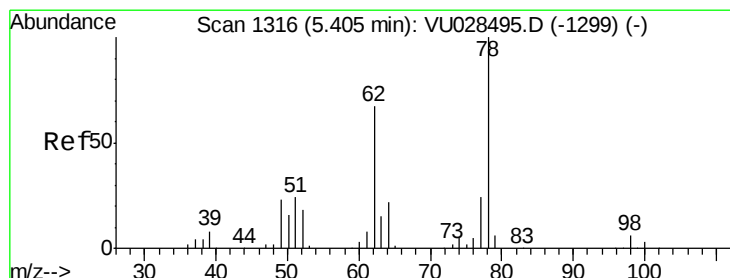
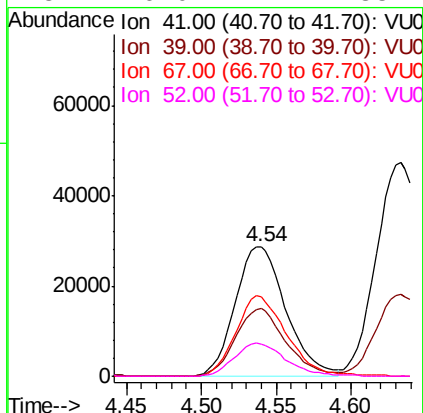
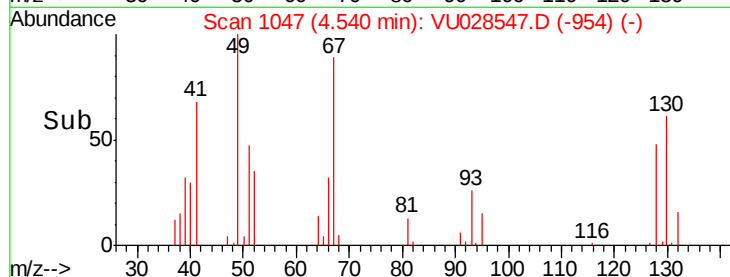
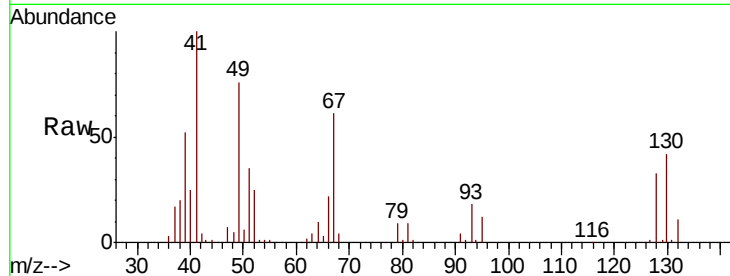
#41
Methacrylonitrile
Concen: 55.415 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	43.3	64.9	
67	62.1	53.6	80.4	
52	26.0	22.1	33.1	

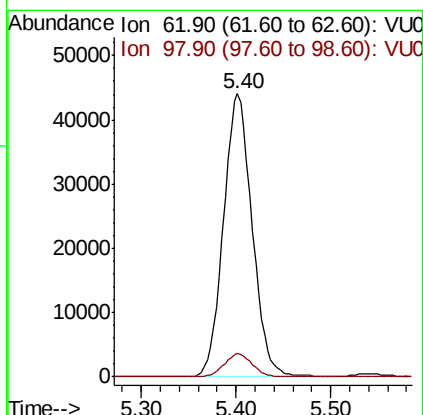
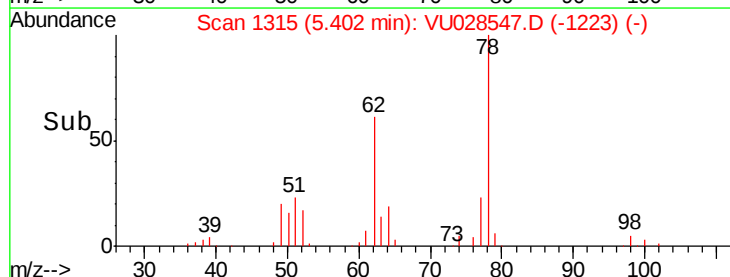
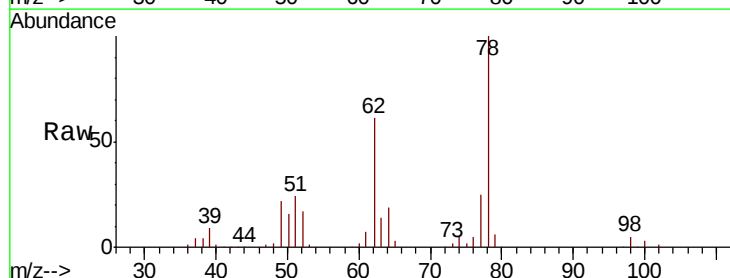
Manual Integrations
APPROVED

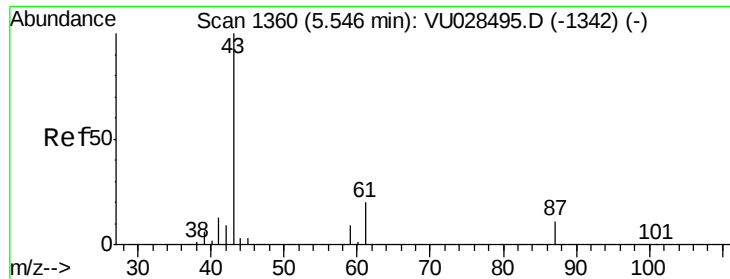
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.916 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	17.2	





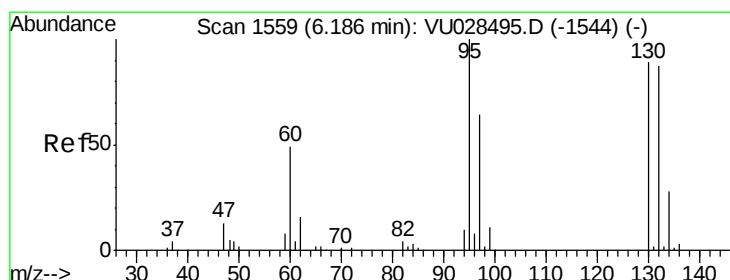
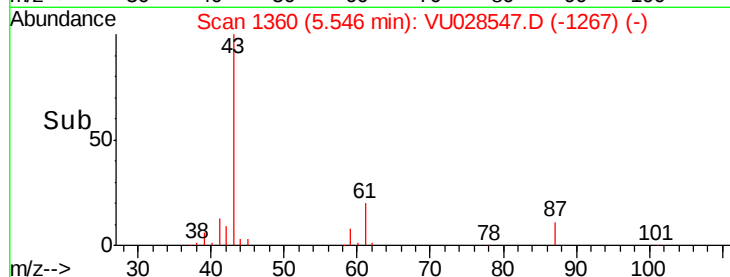
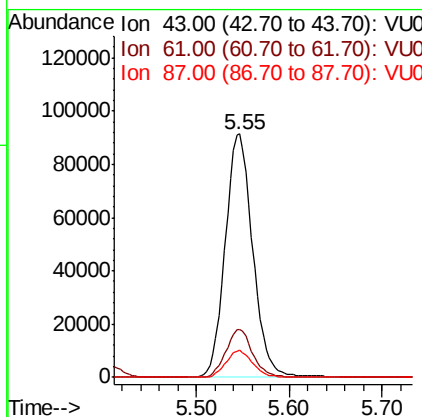
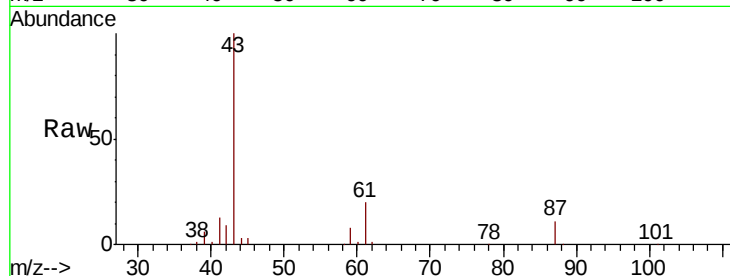
#43
Isopropyl Acetate
Concen: 53.172 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.5	23.3
87	10.7	8.7	13.1

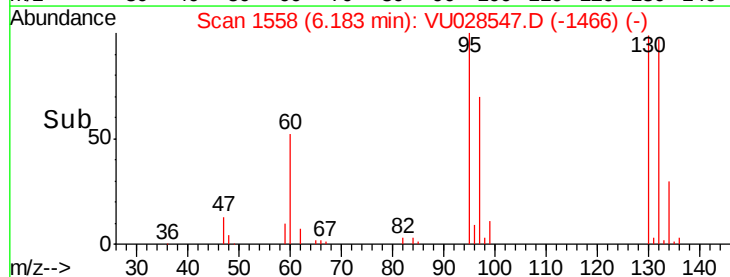
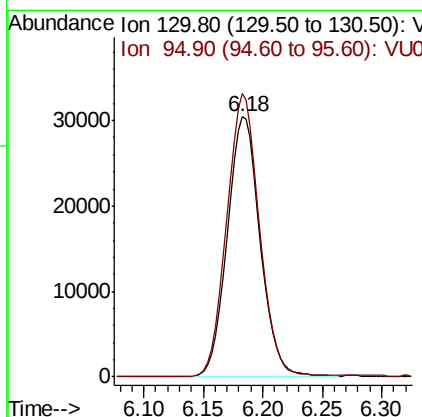
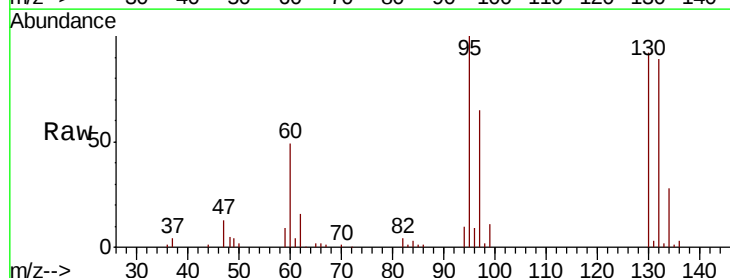
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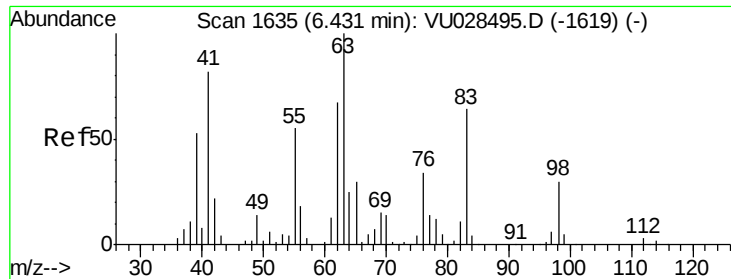
MMDadoda
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#44
Trichloroethene
Concen: 51.278 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	224.0





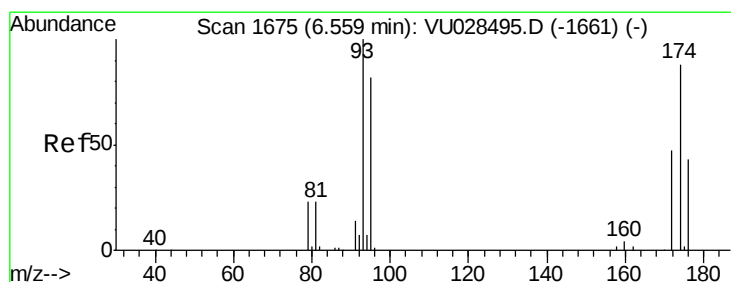
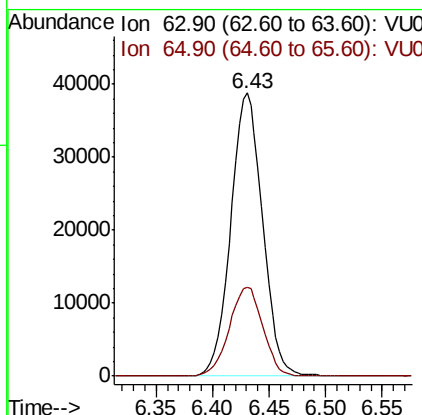
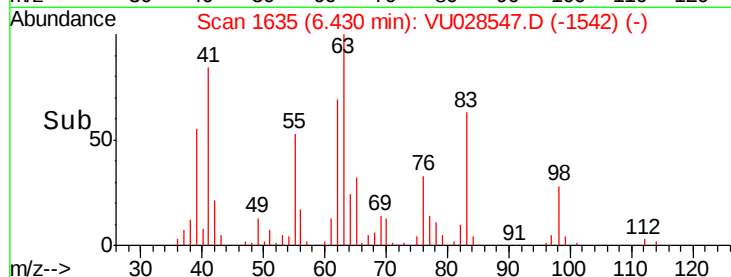
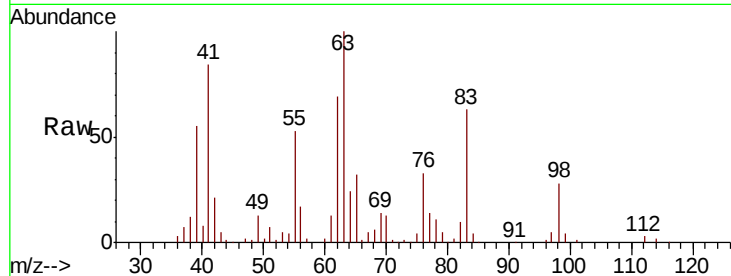
#45
 1,2-Dichloropropane
 Concen: 52.832 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 75743
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.4

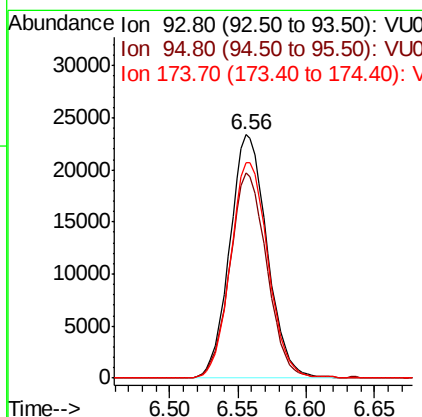
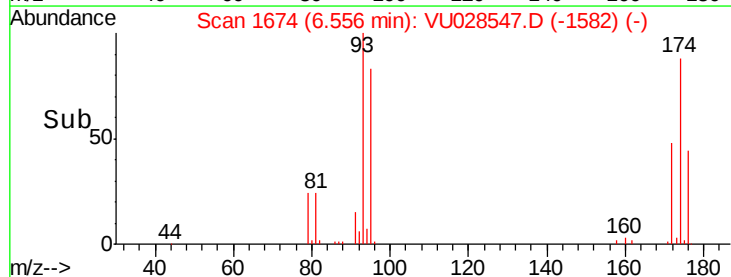
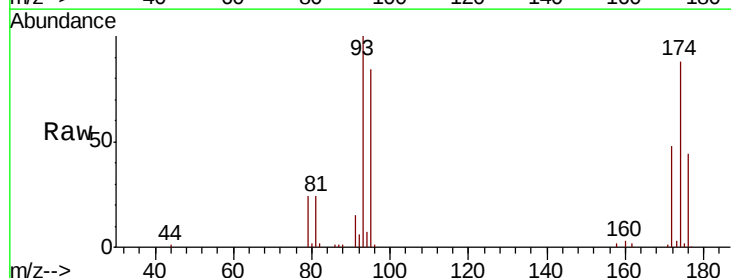
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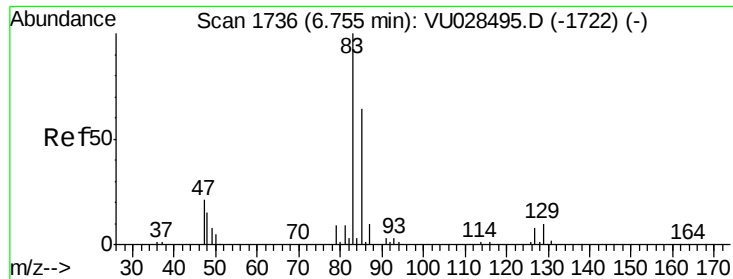
MMDadoda
 12/11/2018 12:09:58 PM



#46
 Dibromomethane
 Concen: 52.146 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion: 93 Resp: 44357
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.4 98.2
 174 89.1 72.2 108.4





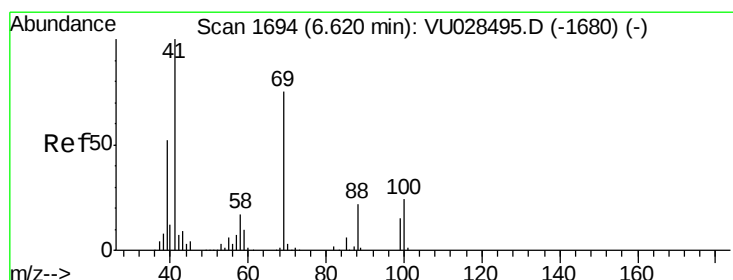
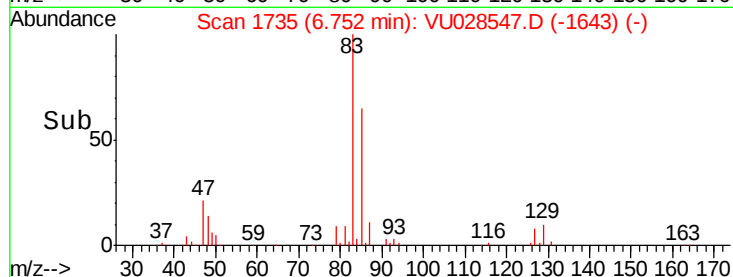
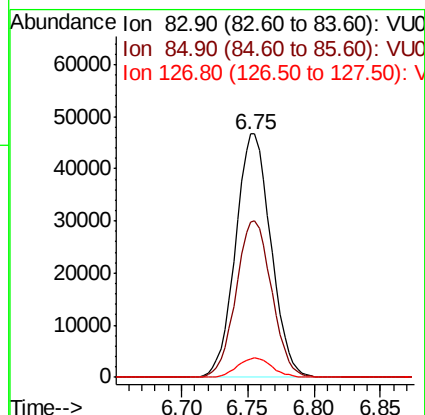
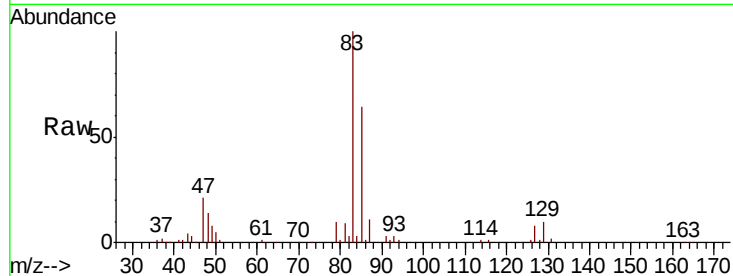
#47
Bromodichloromethane
Concen: 52.156 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	86333
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	51.5	77.3
127	7.8	6.2	9.4

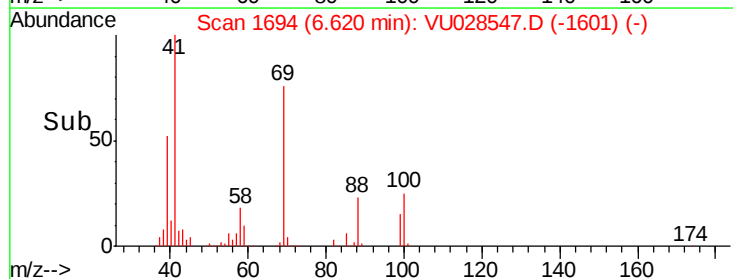
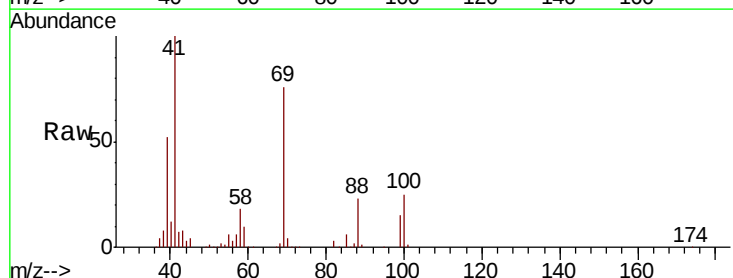
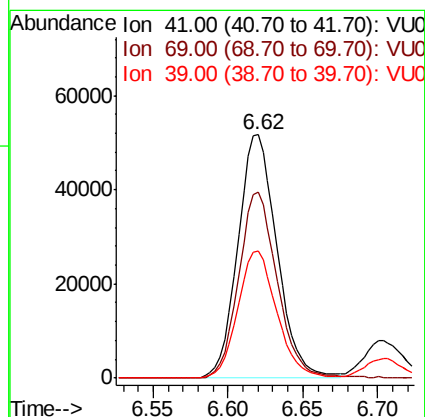
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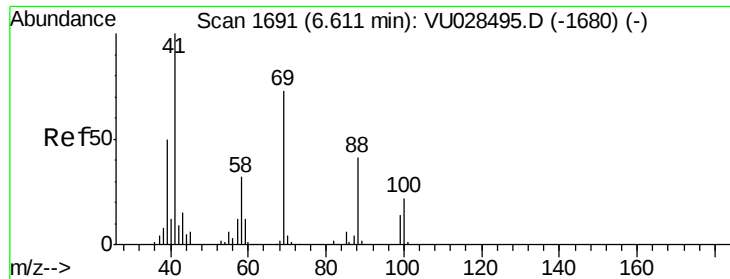
MMDadoda
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#48
Methyl methacrylate
Concen: 53.604 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	41	Resp	94350
Ion Ratio	100	Lower	Upper
41	100		
69	75.1	60.4	90.6
39	52.0	41.1	61.7





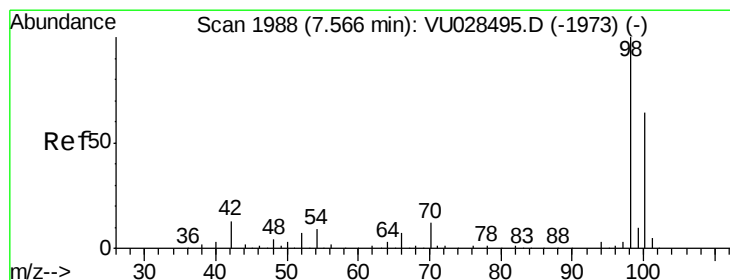
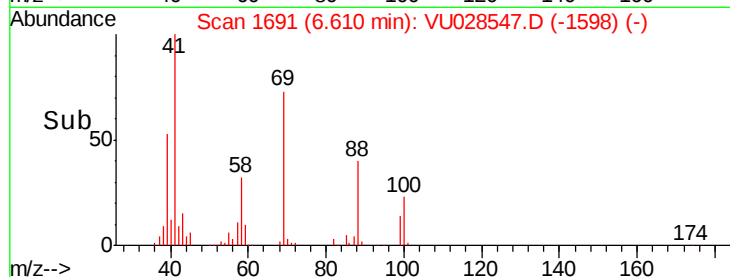
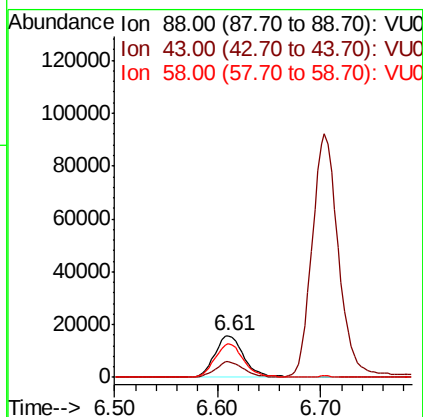
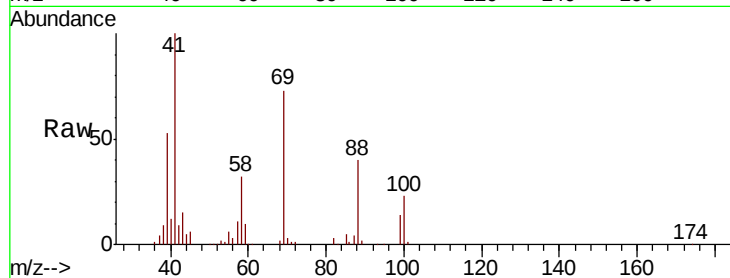
#49
1,4-Dioxane
Concen: 1125.010 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	30.9	46.3
58	79.7	62.4	93.6

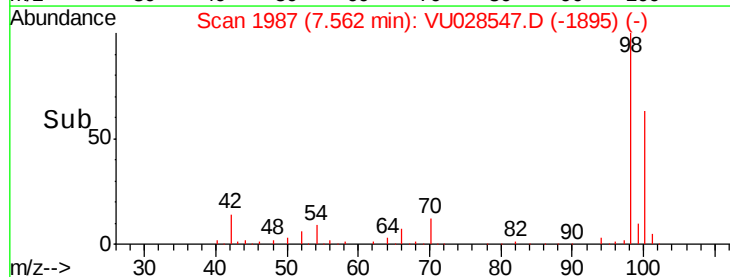
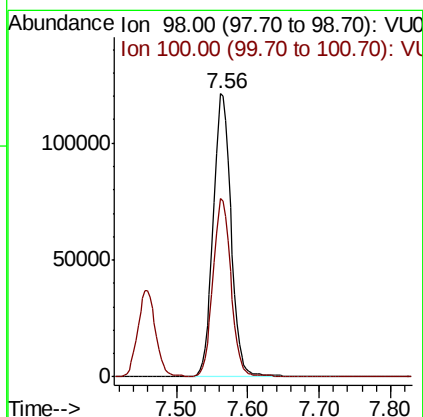
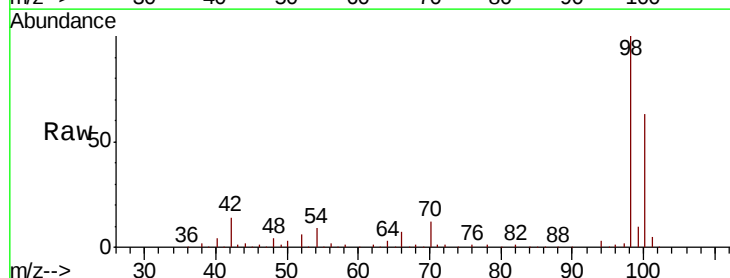
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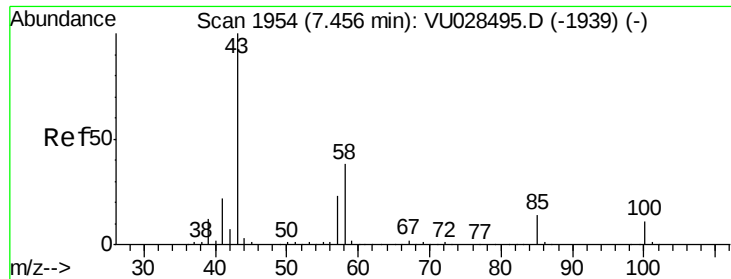
MMDadoda
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#50
Toluene-d8
Concen: 53.637 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 261.346 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 583403

Ion Ratio Lower Upper

43 100

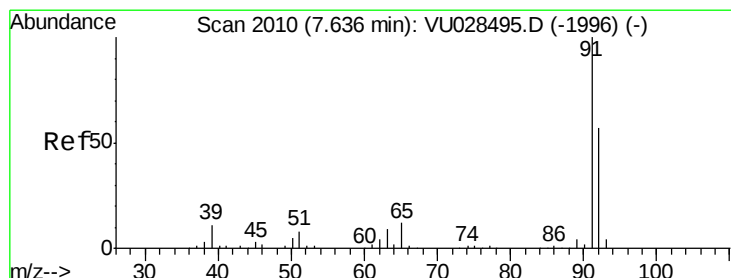
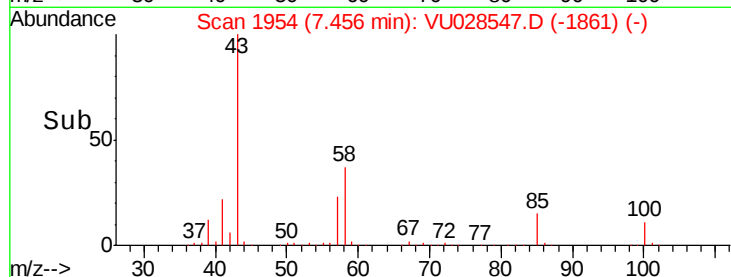
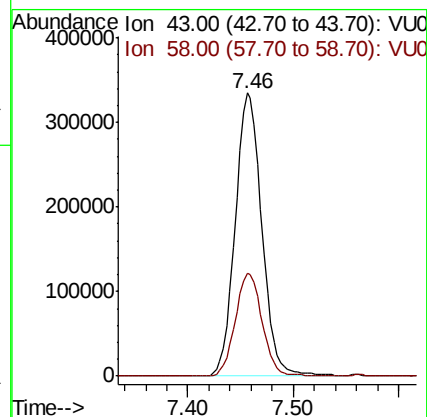
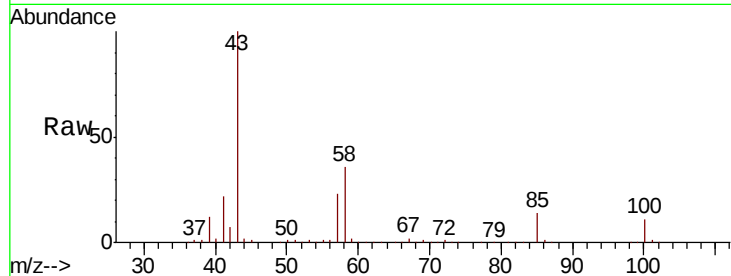
58 36.7 30.2 45.2

Manual Integrations

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#52

Toluene

Concen: 51.589 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028547.D

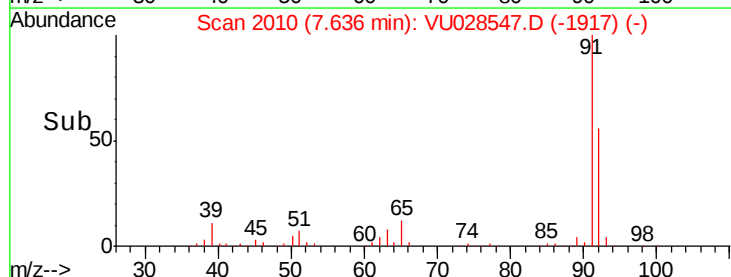
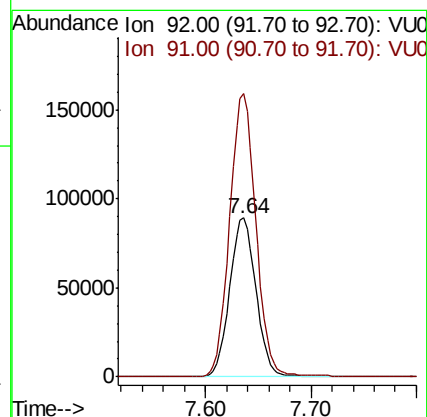
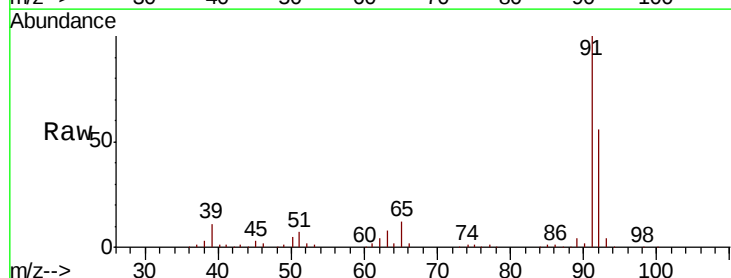
Acq: 10 Dec 2018 13:09

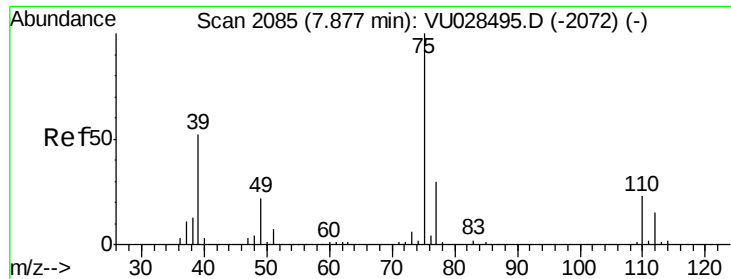
Tgt Ion: 92 Resp: 154787

Ion Ratio Lower Upper

92 100

91 177.8 140.2 210.4





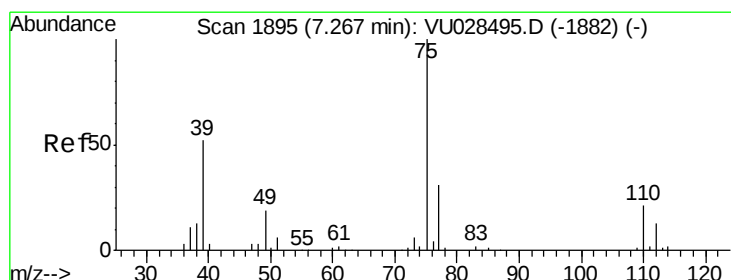
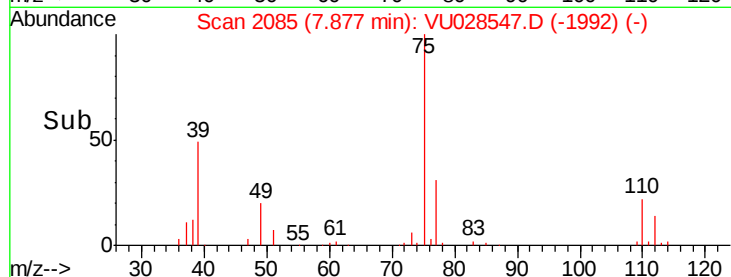
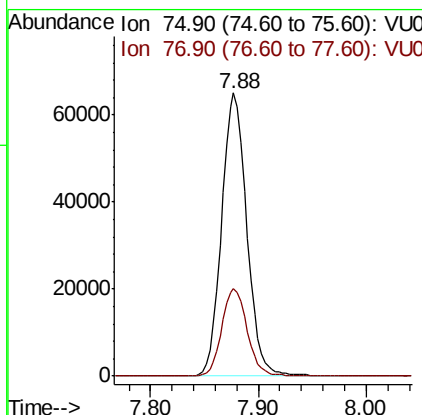
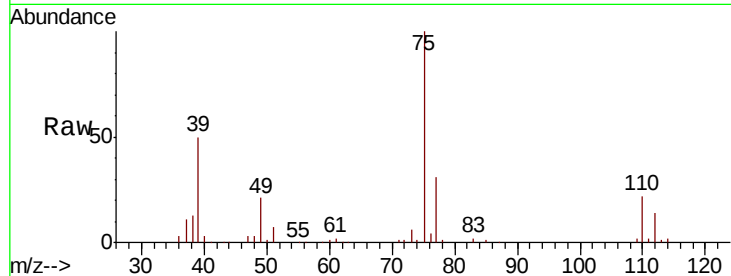
#53
t-1,3-Dichloropropene
Concen: 53.585 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.2	36.4

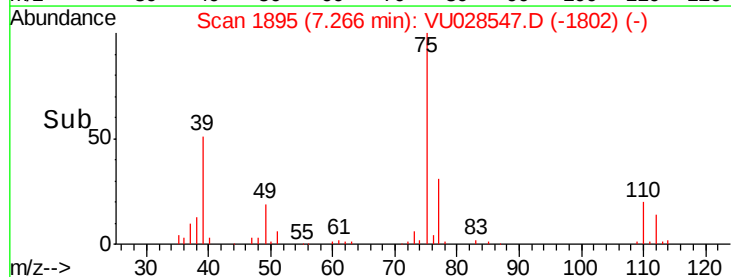
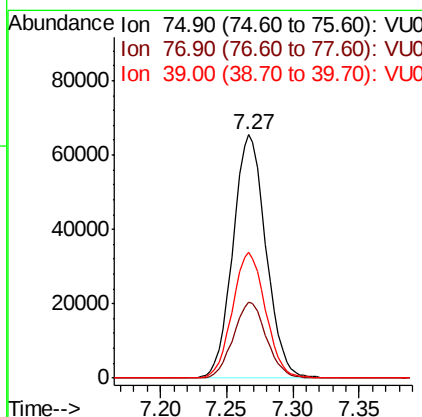
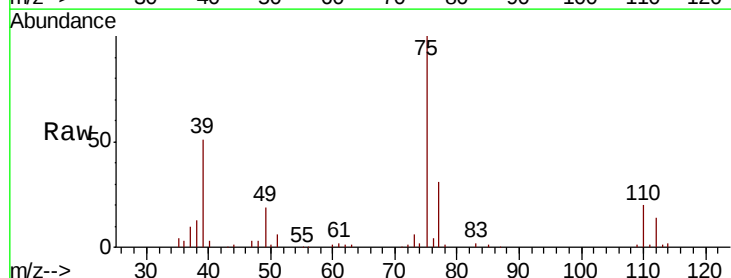
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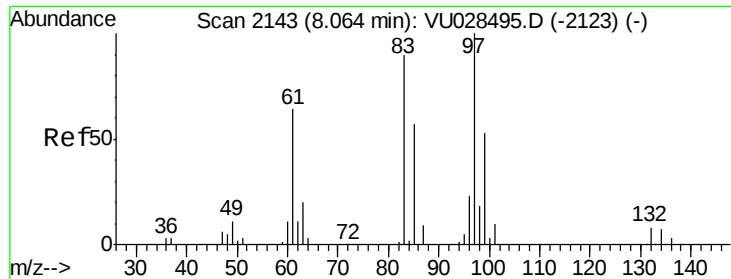
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#54
cis-1,3-Dichloropropene
Concen: 52.912 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	51.5	41.3	61.9





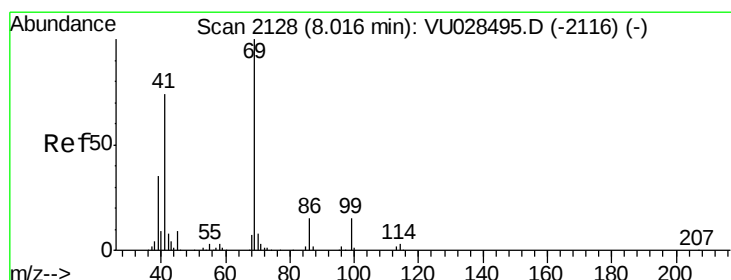
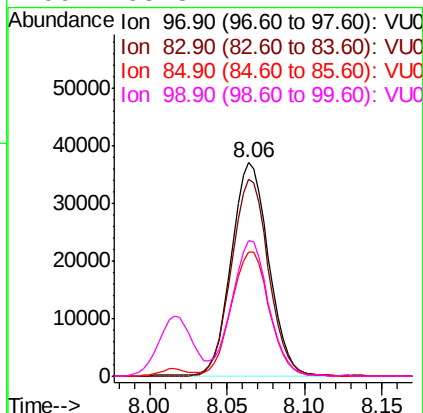
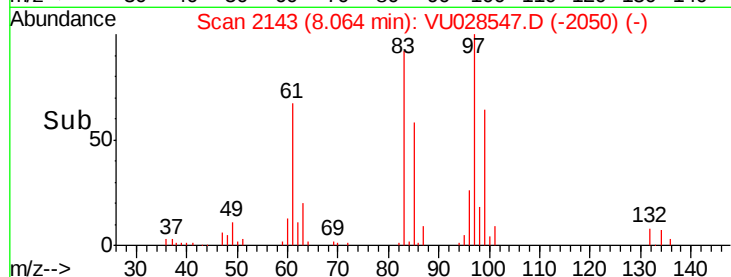
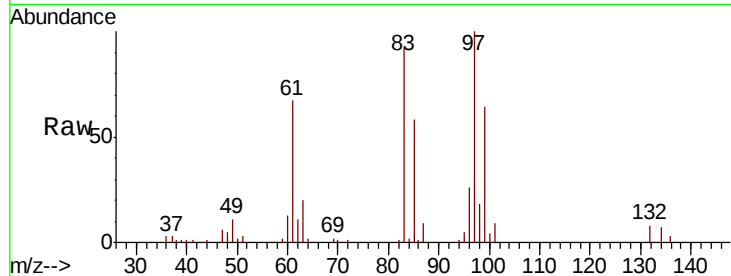
#55
 1,1,2-Trichloroethane
 Concen: 51.862 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	61510
Ion	Ratio	Lower	Upper
97	100		
83	92.3	72.4	108.6
85	58.0	46.0	69.0
99	63.8	47.4	71.2

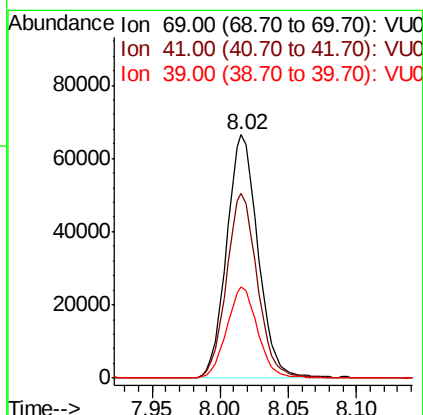
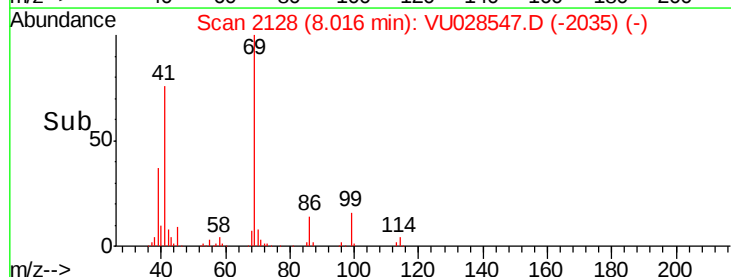
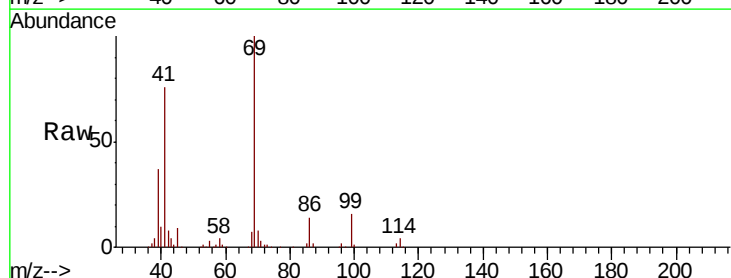
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#56
 Ethyl methacrylate
 Concen: 52.298 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion:	69	Resp:	106218
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.1	88.7
39	37.0	28.4	42.6





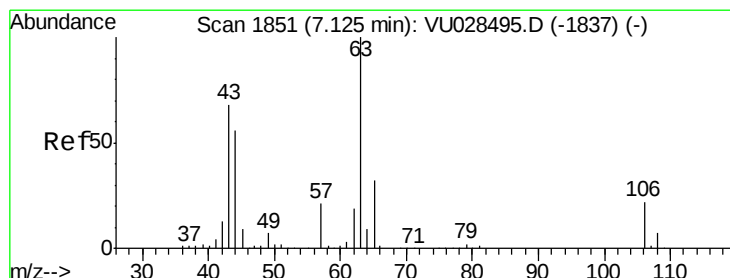
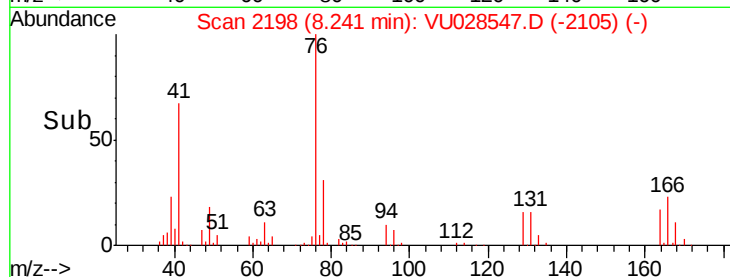
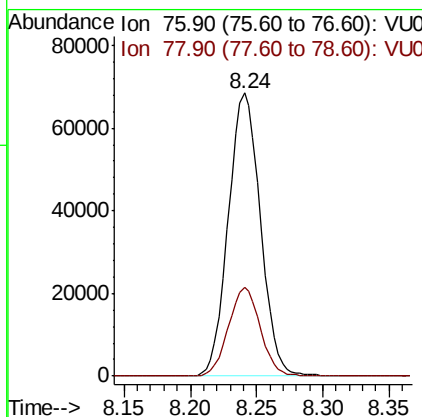
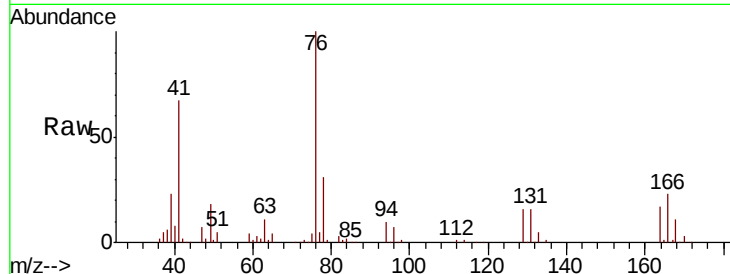
#57
 1,3-Dichloropropane
 Concen: 52.390 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 115343
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.2 37.8

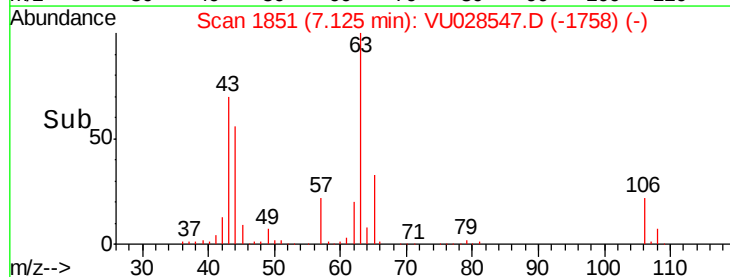
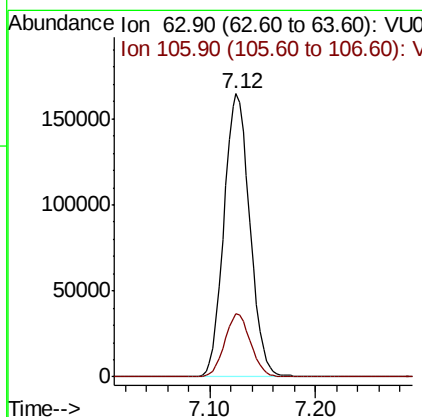
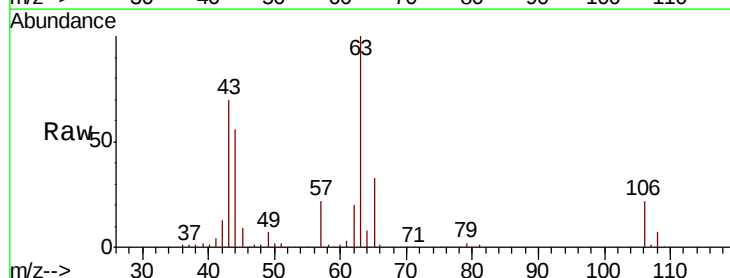
Manual Integrations
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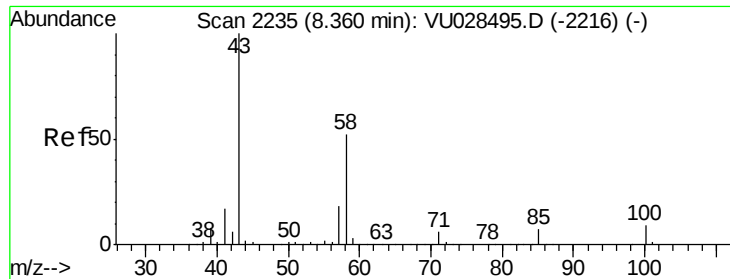
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 268.485 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion: 63 Resp: 279304
 Ion Ratio Lower Upper
 63 100
 106 22.2 17.8 26.6





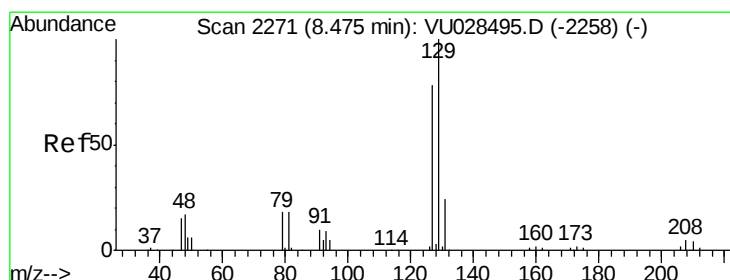
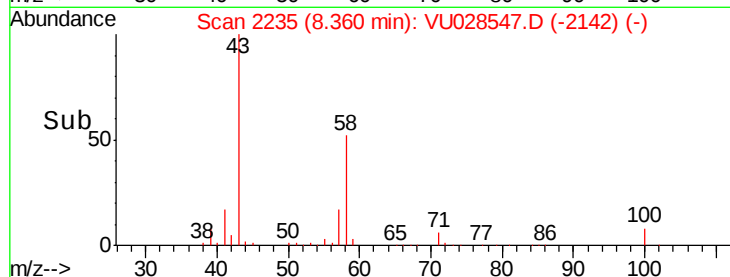
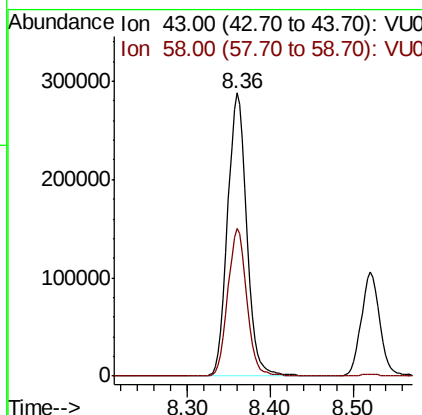
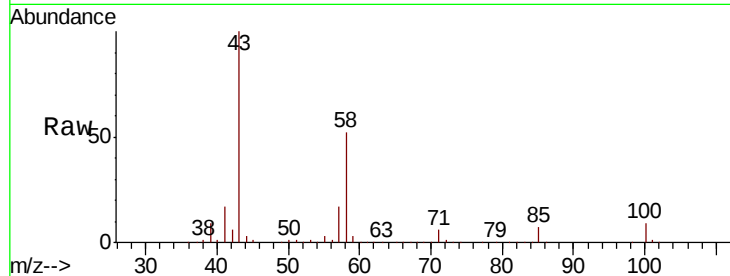
#59
2-Hexanone
Concen: 261.019 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	461831
Ion Ratio	100	Lower	Upper
58	51.7	25.9	77.6

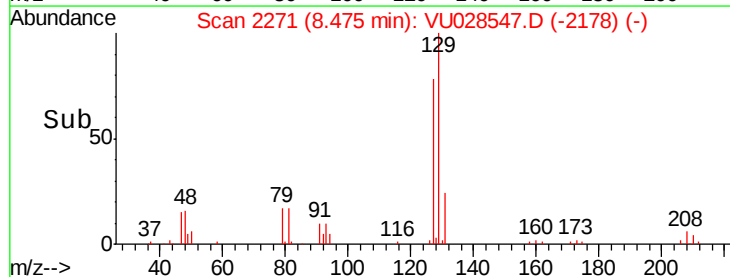
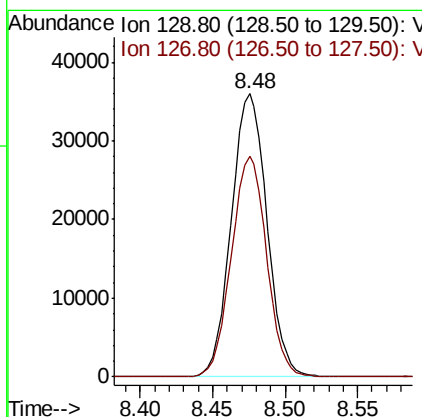
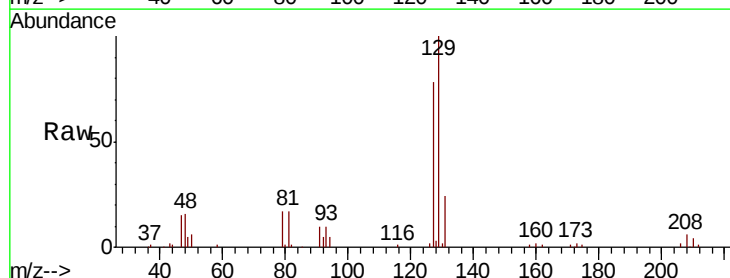
Manual Integrations
APPROVED

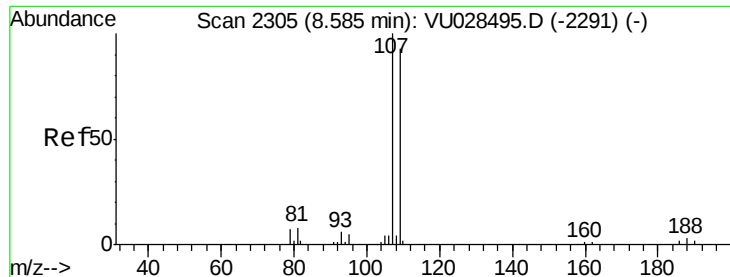
MMDadoda
12/11/2018 12:09:58 PM



#60
Dibromochloromethane
Concen: 52.931 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	129	Resp	61463
Ion Ratio	100	Lower	Upper
127	76.8	39.1	117.3





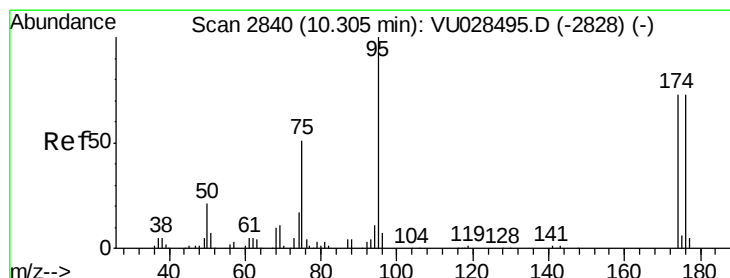
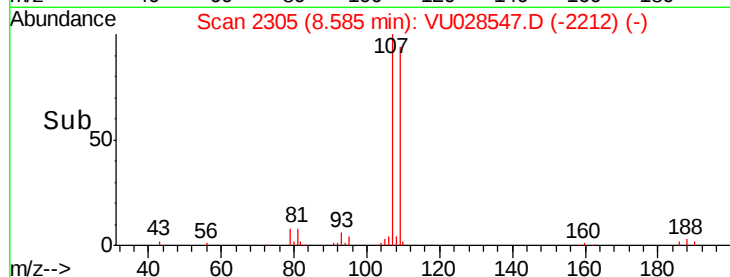
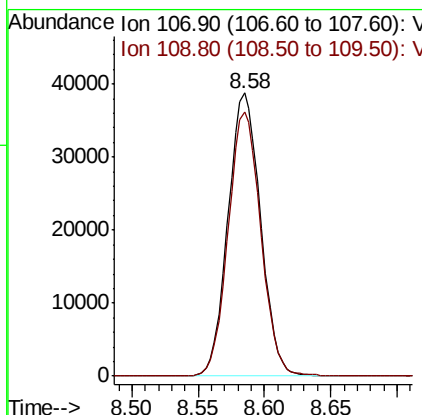
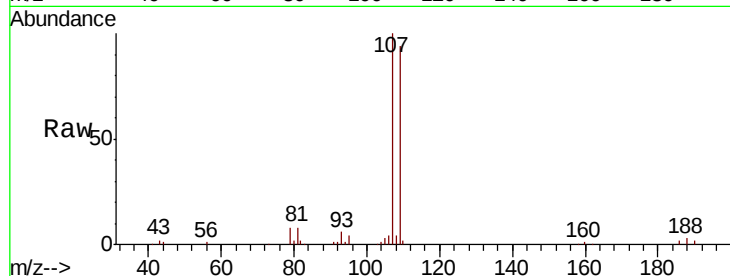
#61
 1,2-Dibromoethane
 Concen: 53.146 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.5	111.7

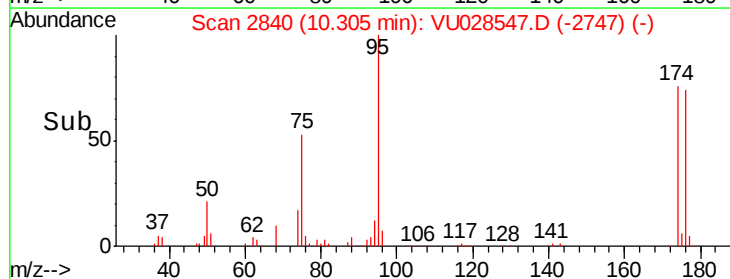
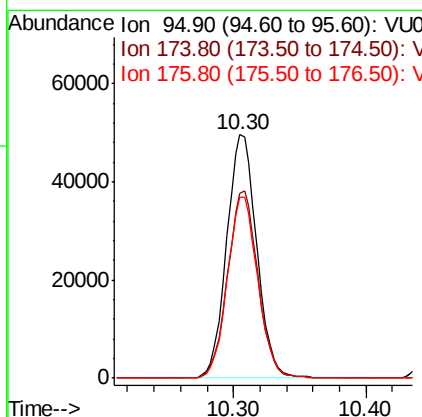
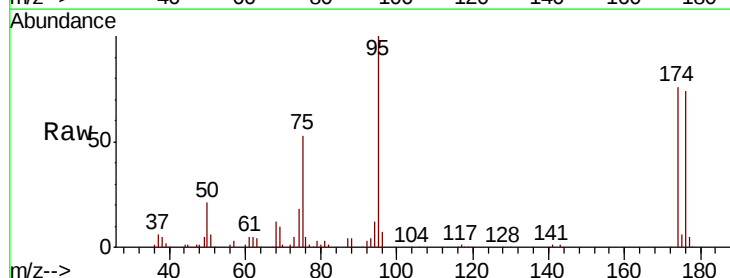
Manual Integrations
 APPROVED

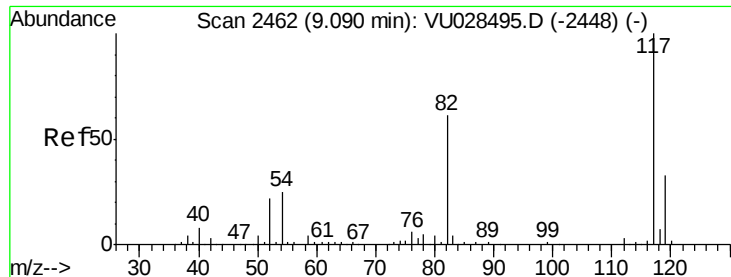
MMDadoda
 12/11/2018 12:09:58 PM



#62
 4-Bromofluorobenzene
 Concen: 52.994 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	150.4
176	75.3	0.0	145.2





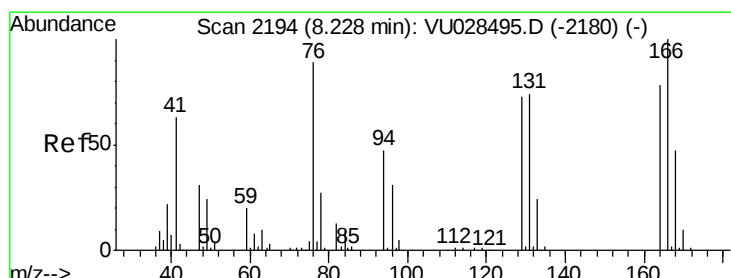
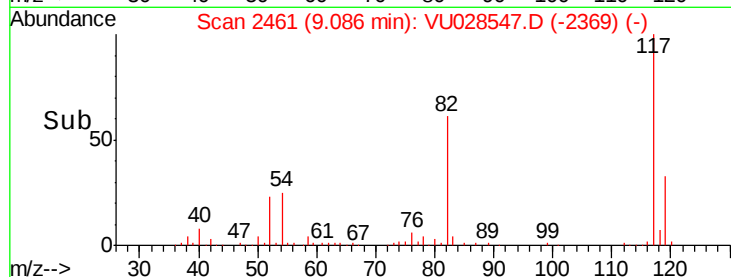
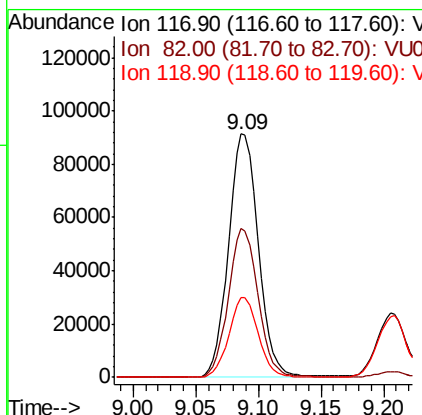
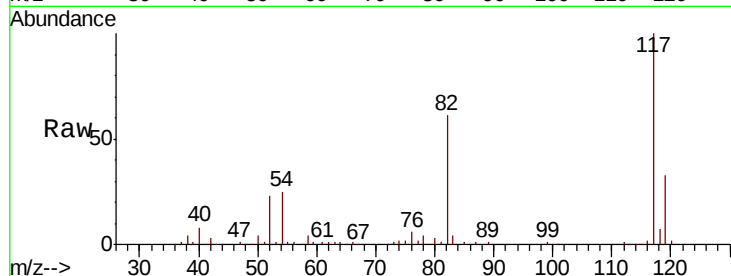
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	48.9	73.3
119	32.7	26.2	39.4

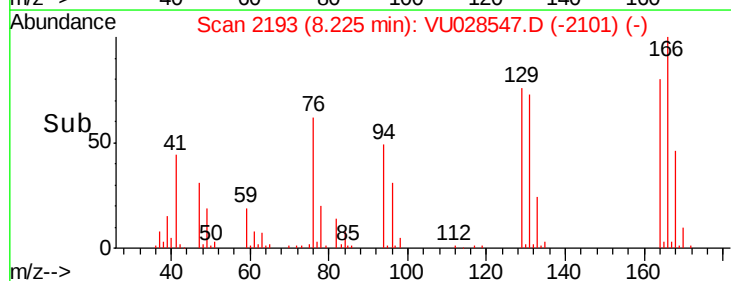
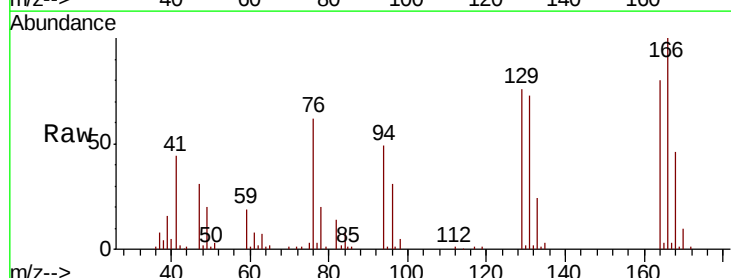
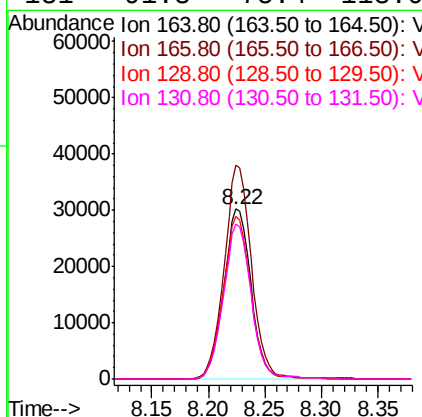
Manual Integrations
APPROVED

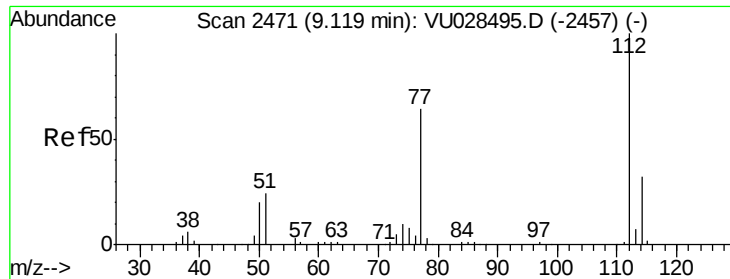
MMDadoda
12/11/2018 12:09:58 PM



#64
Tetrachloroethene
Concen: 50.454 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.9	152.9
129	96.0	74.9	112.3
131	91.3	75.4	113.0





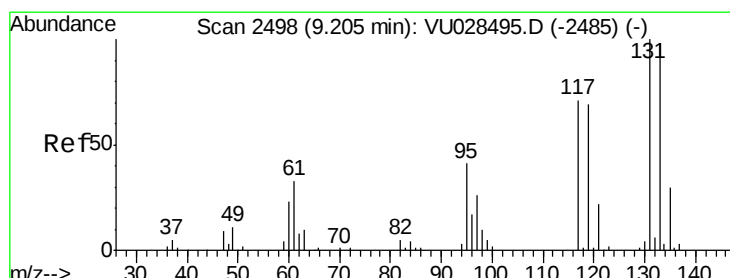
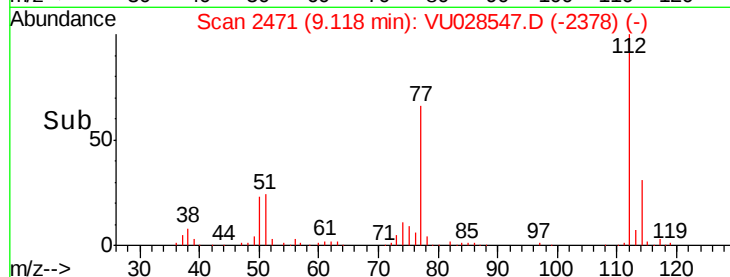
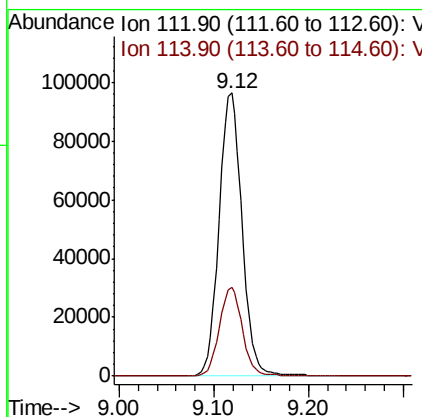
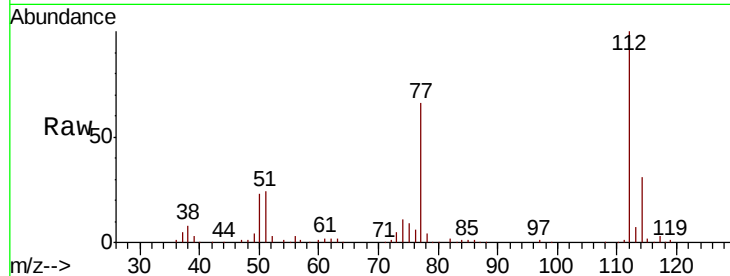
#65
Chlorobenzene
Concen: 50.371 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 162696
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9

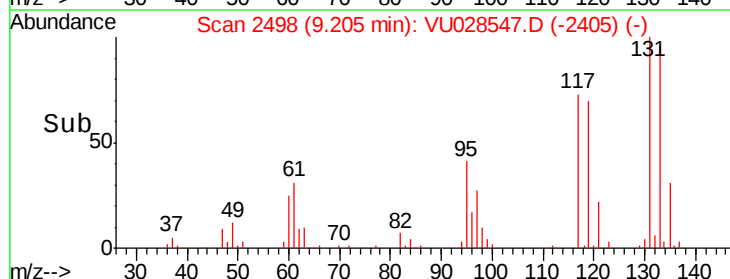
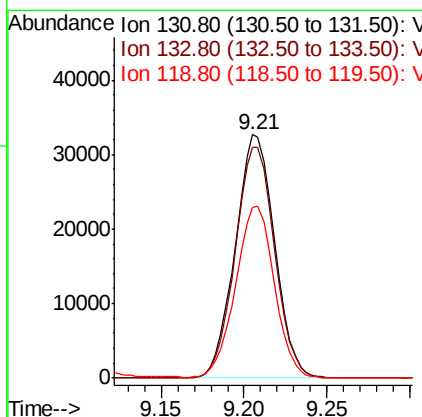
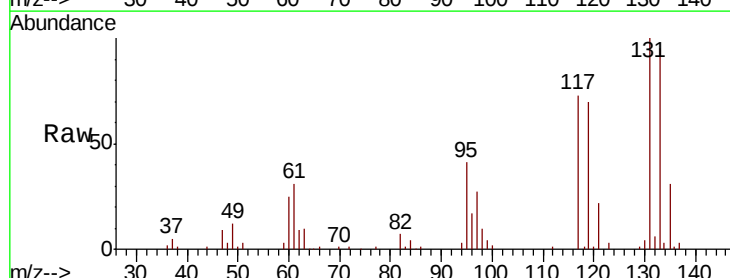
Manual Integrations
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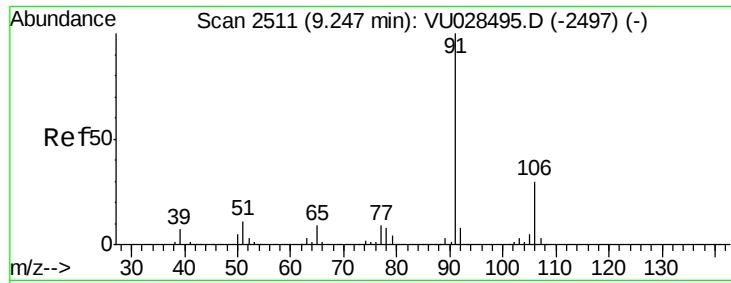
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.251 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion:131 Resp: 53893
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 69.8 34.6 103.9





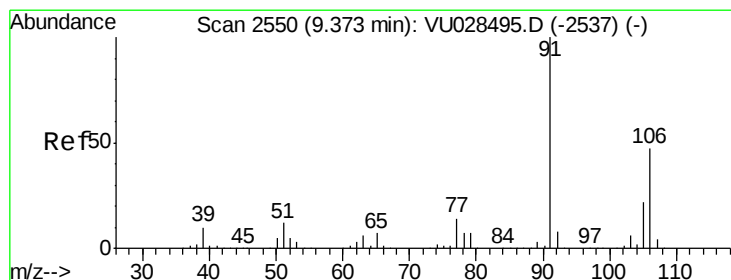
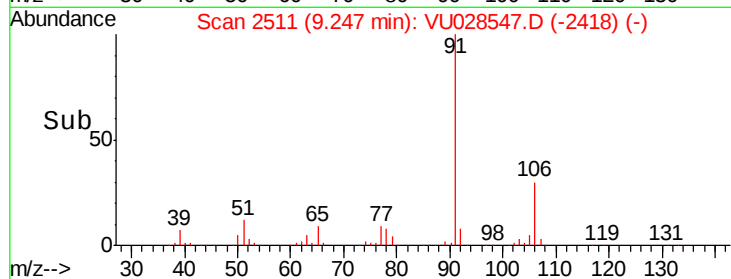
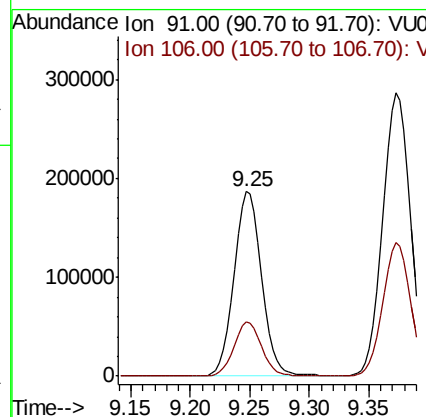
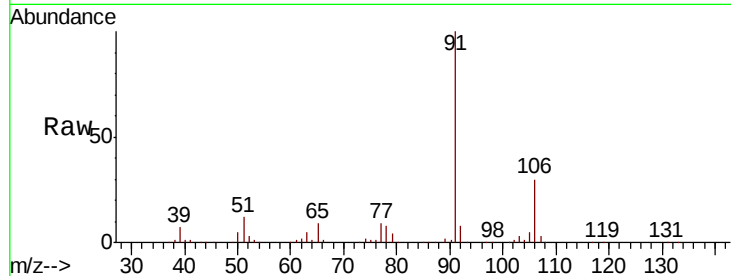
#67
Ethyl Benzene
Concen: 50.691 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 300987
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1

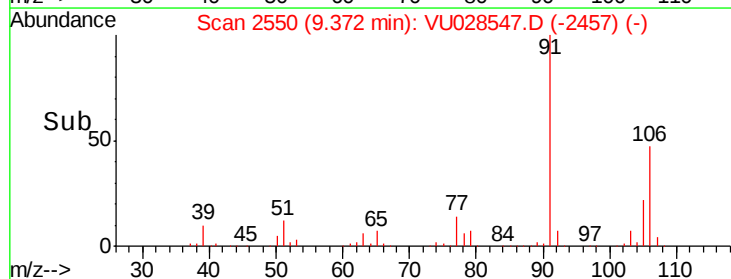
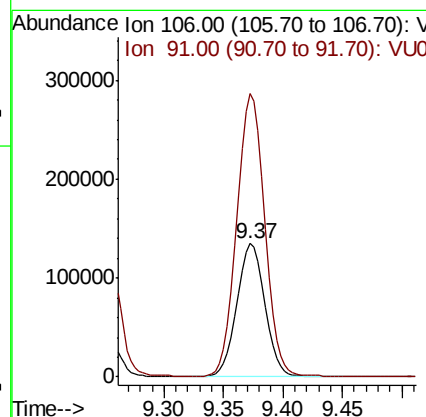
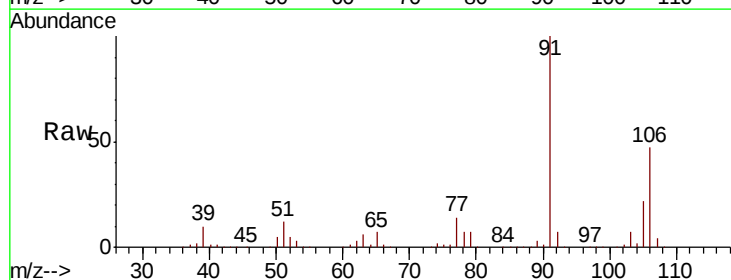
Manual Integrations
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#68
m/p-Xylenes
Concen: 101.688 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion: 106 Resp: 219704
Ion Ratio Lower Upper
106 100
91 213.5 167.4 251.0





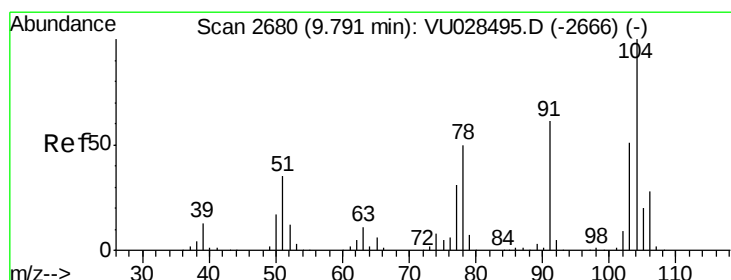
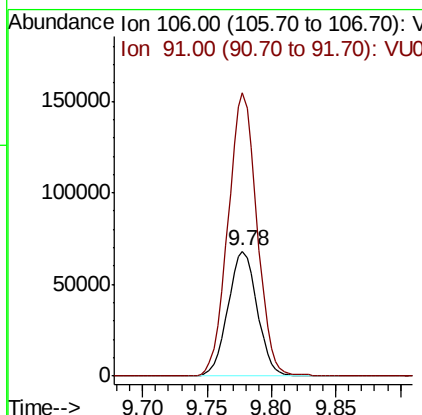
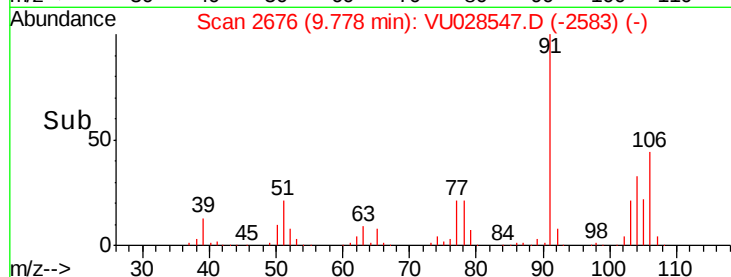
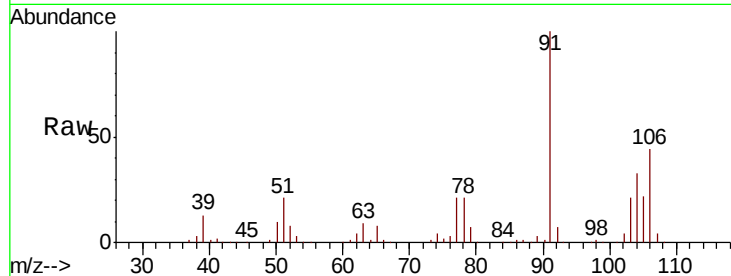
#69
o-Xylene
Concen: 51.208 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 107518
Ion Ratio Lower Upper
106 100
91 223.7 111.3 334.0

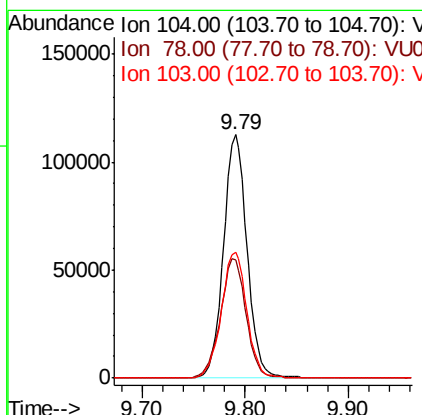
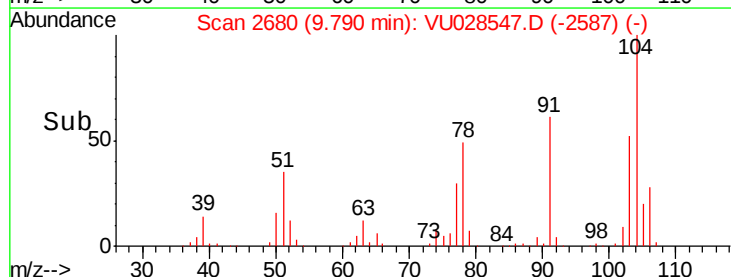
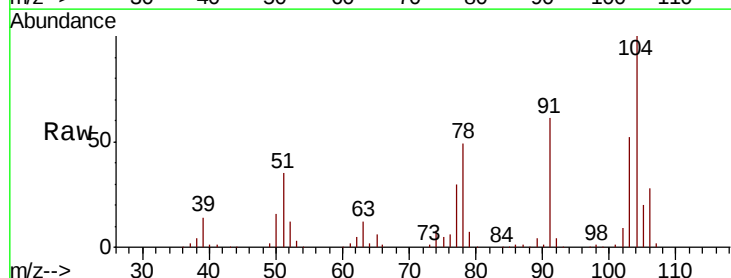
Manual Integrations
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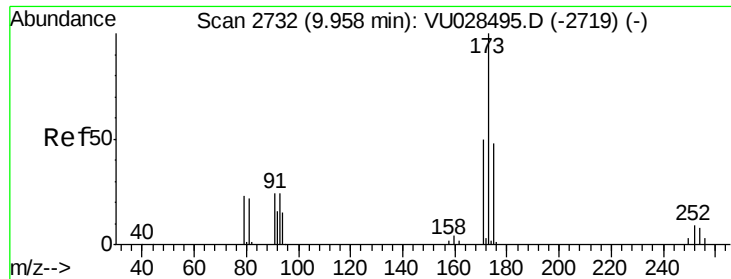
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#70
Styrene
Concen: 51.676 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion:104 Resp: 179561
Ion Ratio Lower Upper
104 100
78 53.4 43.0 64.6
103 55.9 44.2 66.4





#71

Bromoform

Concen: 54.041 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

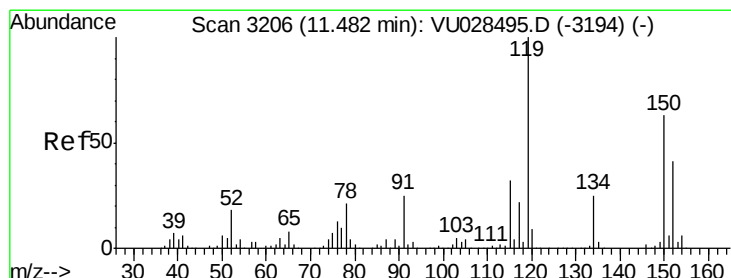
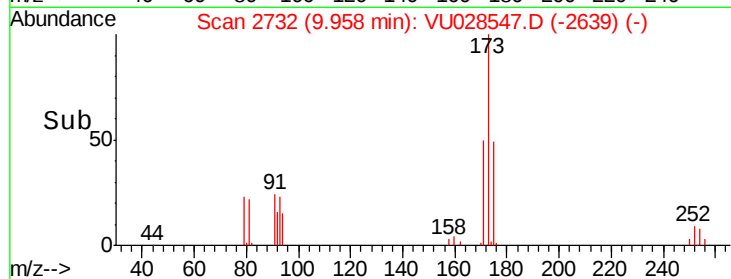
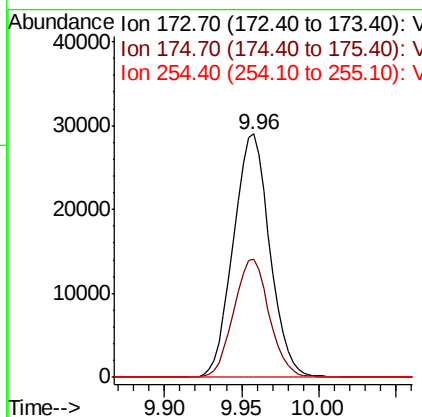
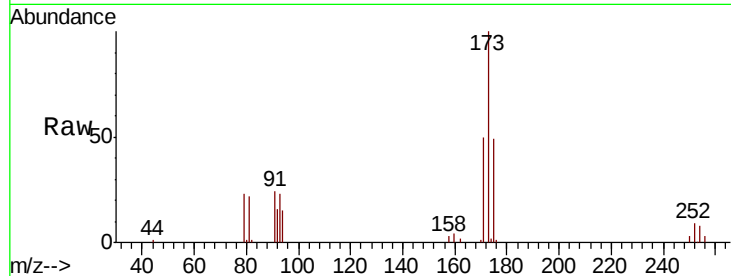
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	47417
Ion Ratio	Lower	Upper	
173	100		
175	47.4	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

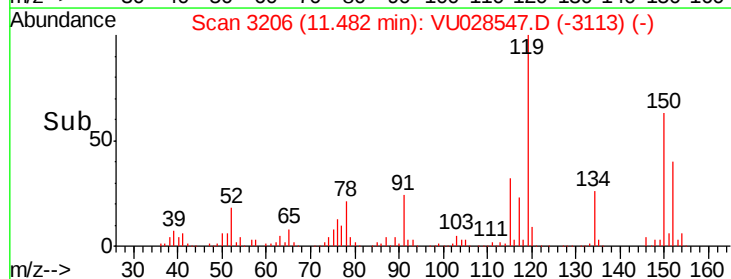
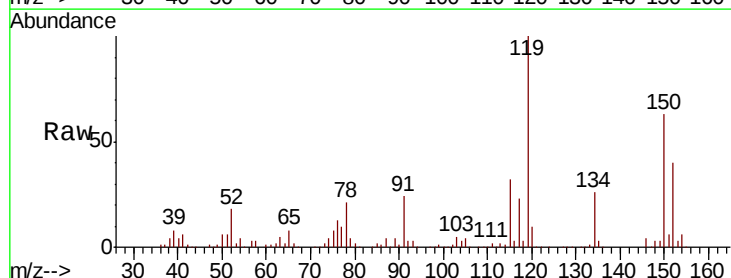
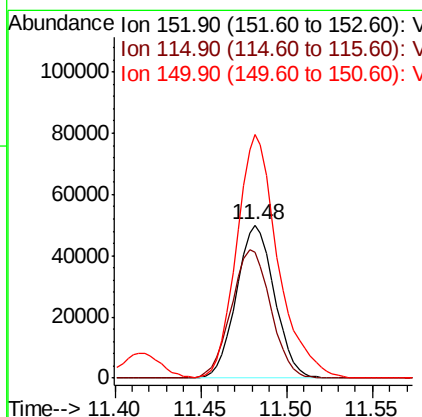
RT: 11.48 min Scan# 3206

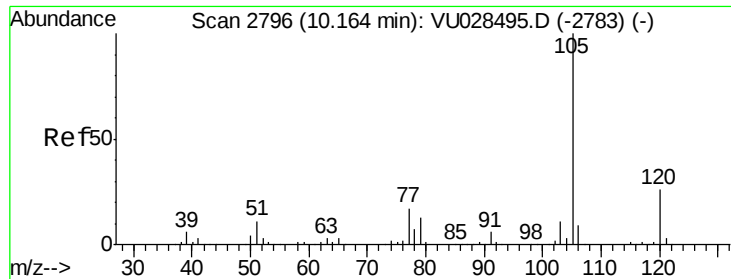
Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Tgt Ion:	152	Resp:	76719
Ion Ratio	Lower	Upper	
152	100		
115	86.9	42.7	128.1
150	172.9	0.0	346.0





#73

Isopropylbenzene

Concen: 48.971 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 288286

Ion Ratio Lower Upper

105 100

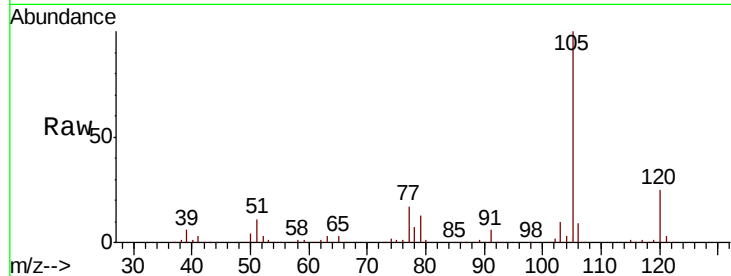
120 25.6 12.9 38.6

Manual Integrations

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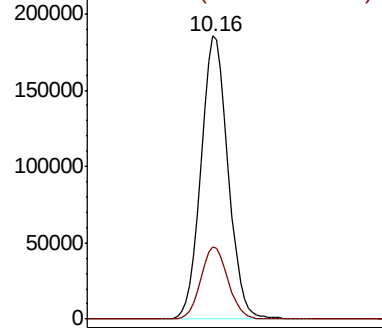
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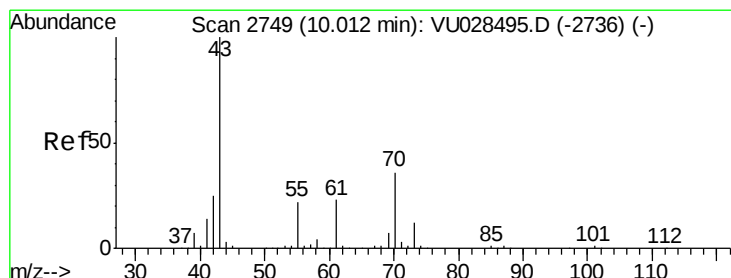
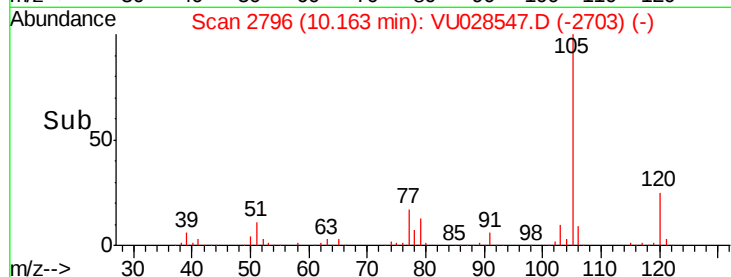


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 48.422 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Tgt Ion: 43 Resp: 164429

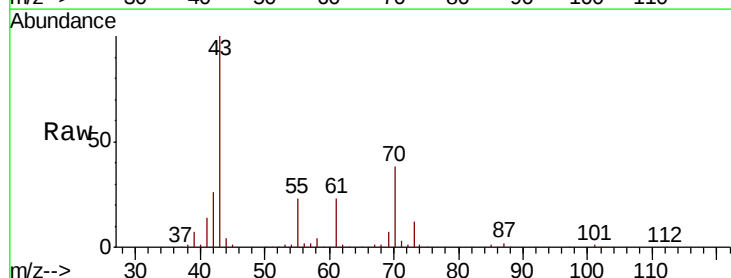
Ion Ratio Lower Upper

43 100

70 37.1 29.3 43.9

55 22.9 18.0 27.0

61 22.8 18.3 27.5

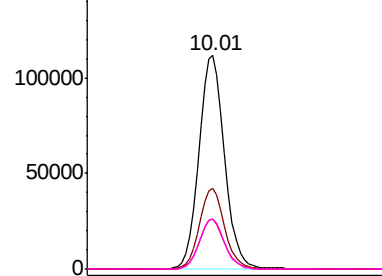


Abundance Ion 43.00 (42.70 to 43.70): VU0

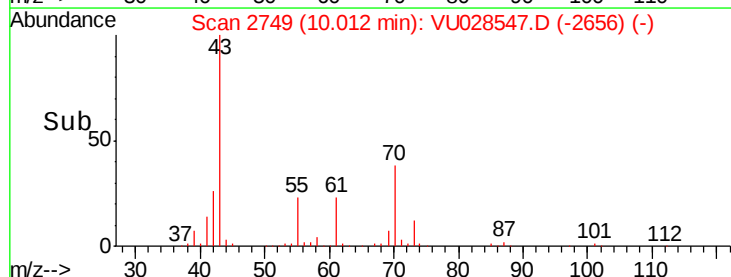
Ion 70.00 (69.70 to 70.70): VU0

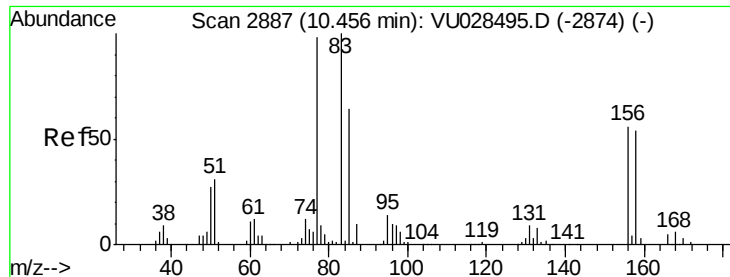
Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.515 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

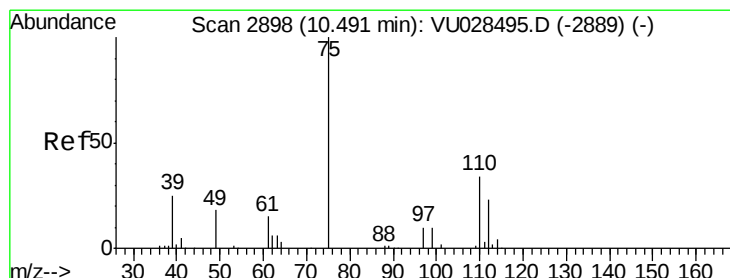
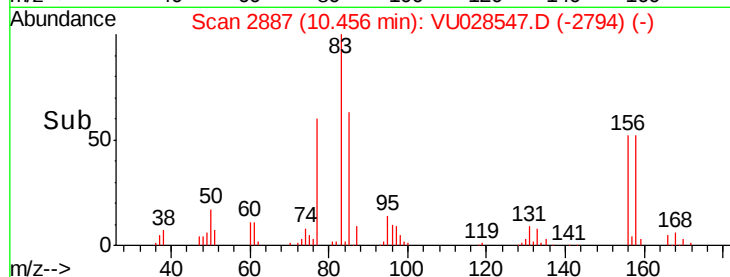
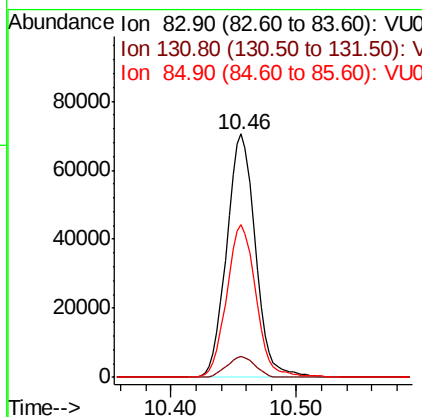
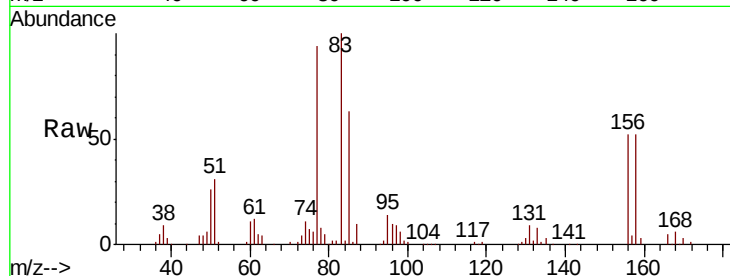
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	111974
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.2	12.4
85	64.1	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.016 ug/l m

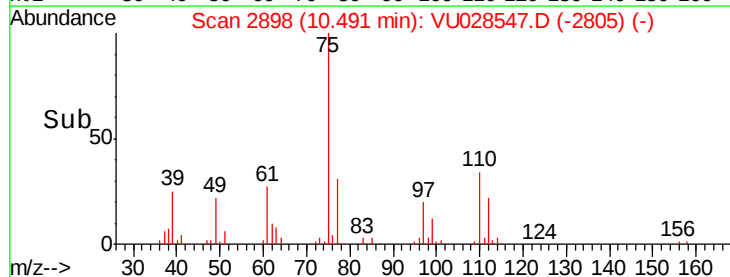
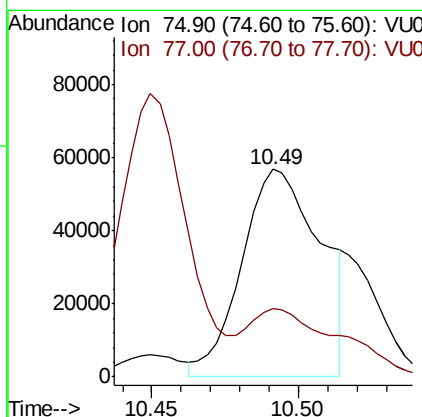
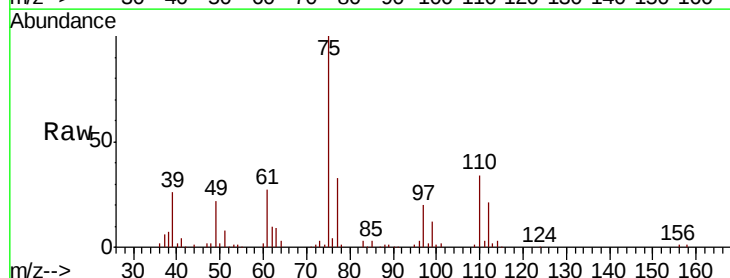
RT: 10.49 min Scan# 2898

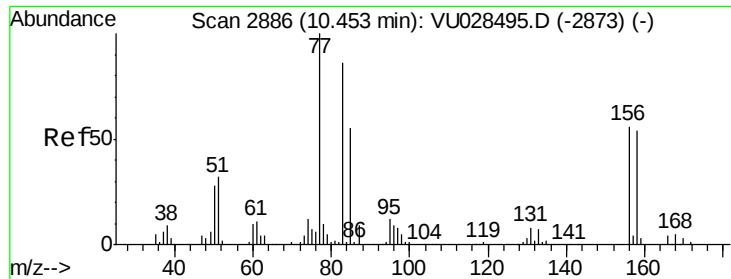
Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Tgt Ion:	75	Resp:	105820
Ion Ratio	Lower	Upper	
75	100		
77	38.6	20.8	62.4





#77

Bromobenzene

Concen: 49.192 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

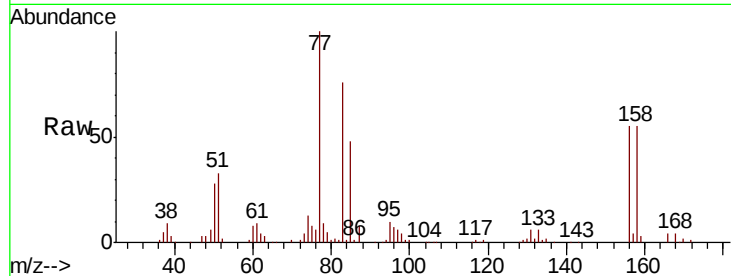
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	182.4	92.4	277.2	
158	98.5	48.4	145.3	

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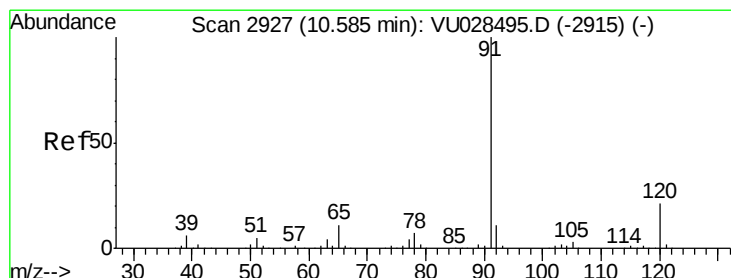
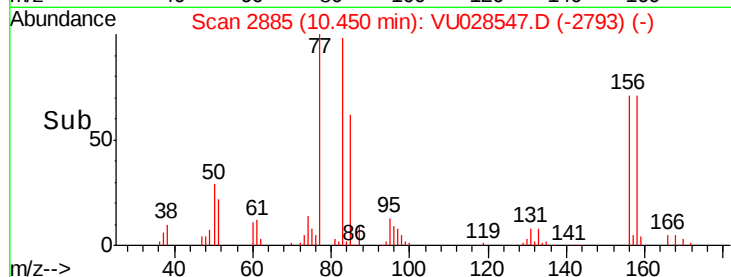
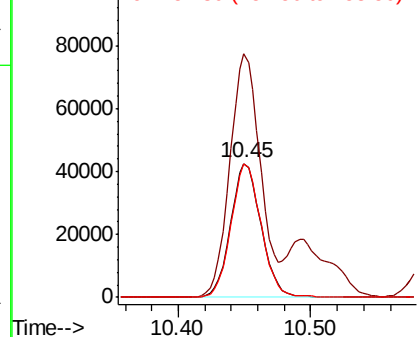


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.928 ug/l

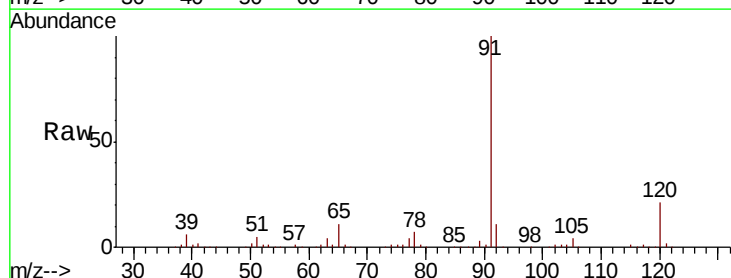
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

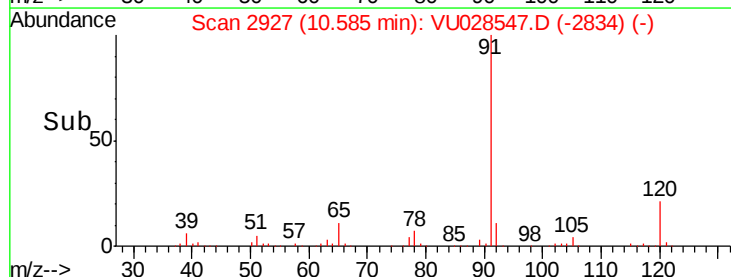
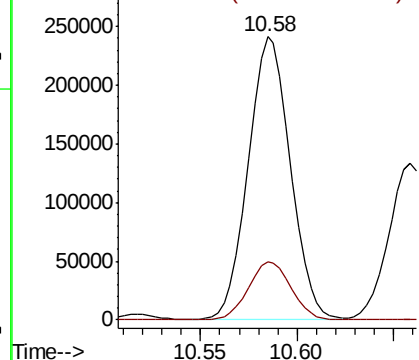
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.8	10.6	31.8	

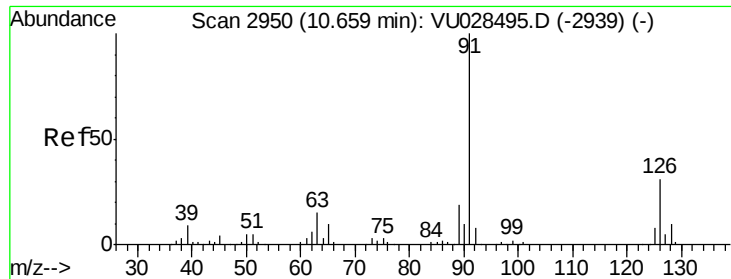


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.213 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028547.D

Acq: 10 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 207364

Ion Ratio Lower Upper

91 100

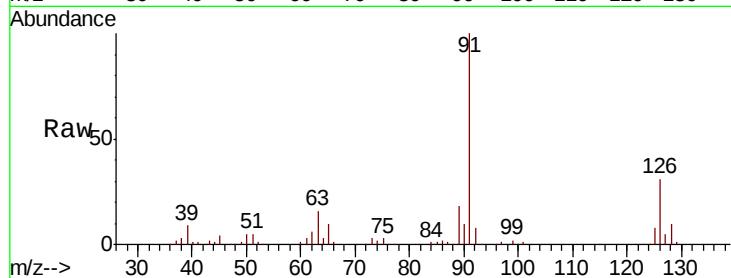
126 31.6 15.6 46.8

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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2939) (-)

250000

200000

150000

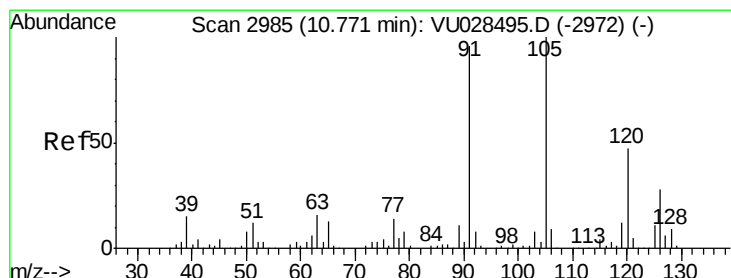
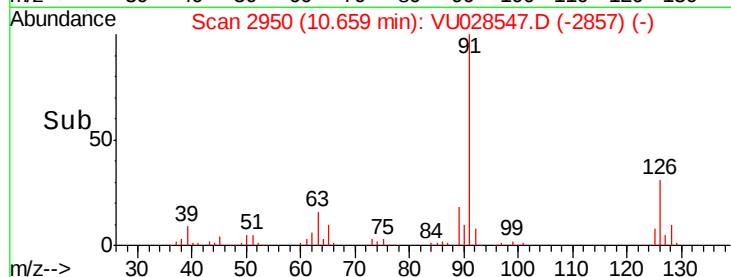
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.836 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028547.D

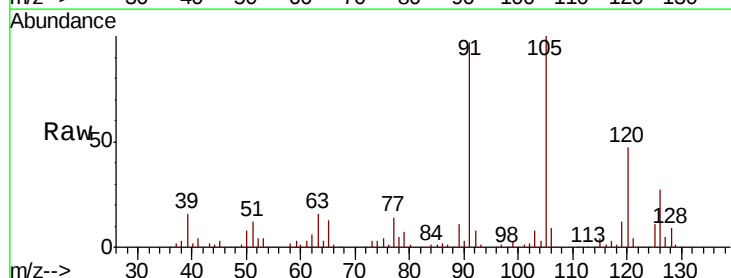
Acq: 10 Dec 2018 13:09

Tgt Ion: 105 Resp: 242853

Ion Ratio Lower Upper

105 100

120 46.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

150000

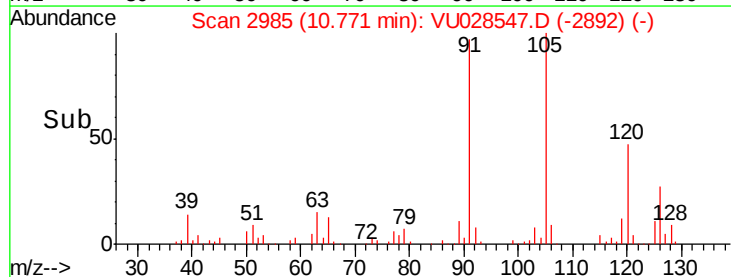
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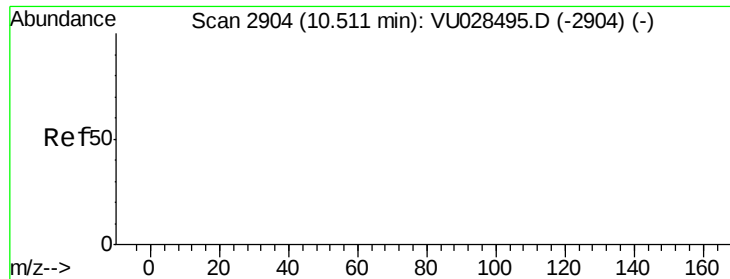
50000

0

10.70 10.75 10.80 10.85

Time-->





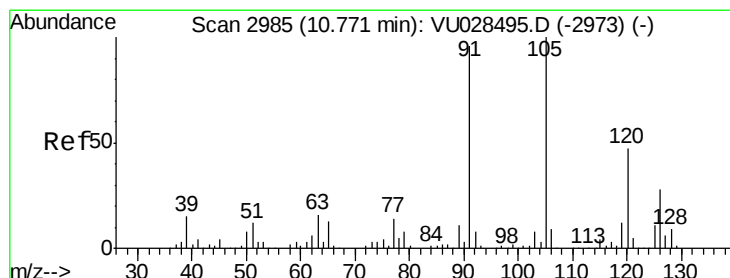
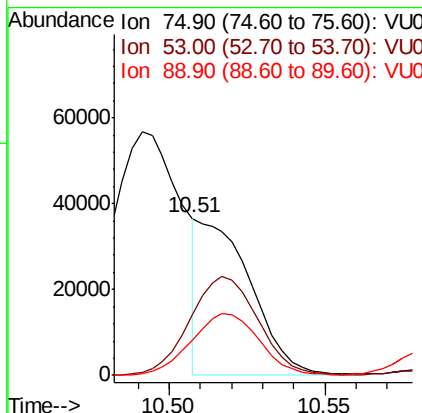
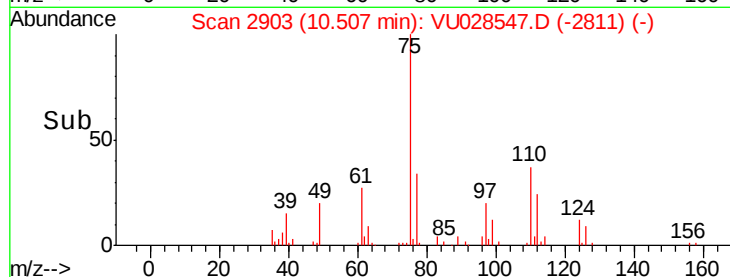
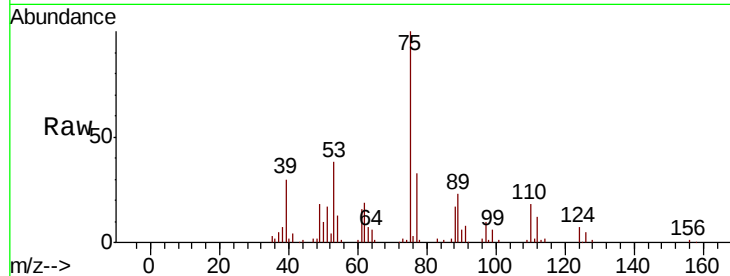
#81
trans-1,4-Dichloro-2-butene
Concen: 53.045 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

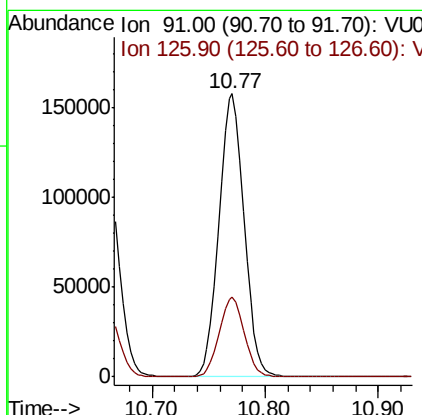
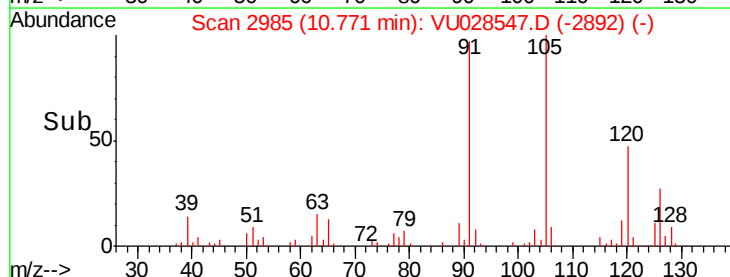
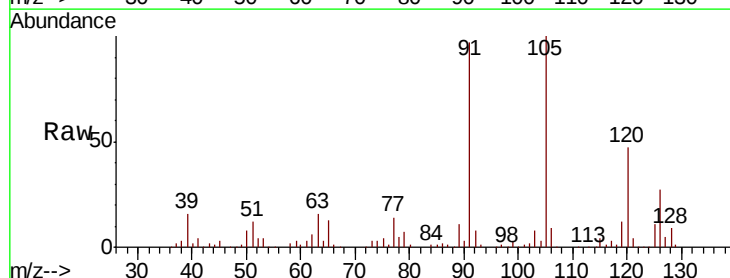
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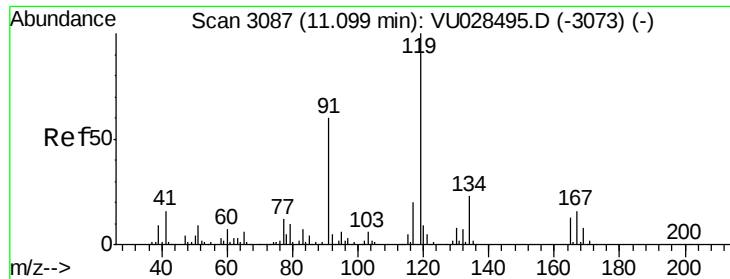
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#82
4-Chlorotoluene
Concen: 49.080 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.1	42.3





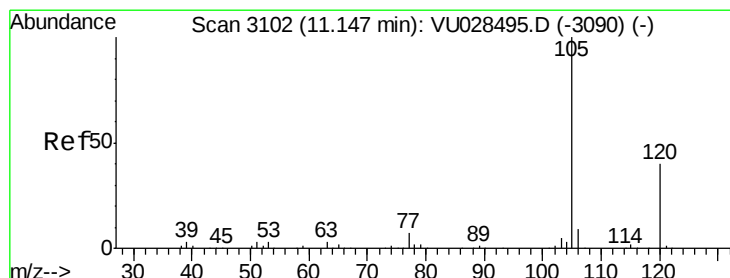
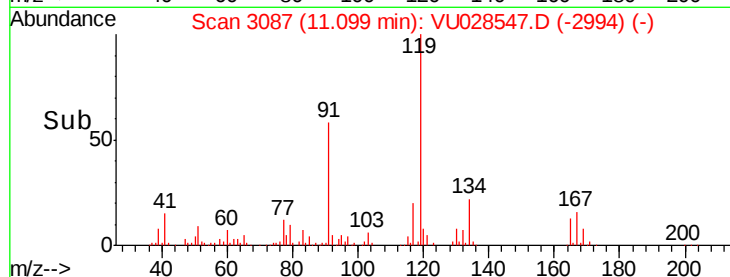
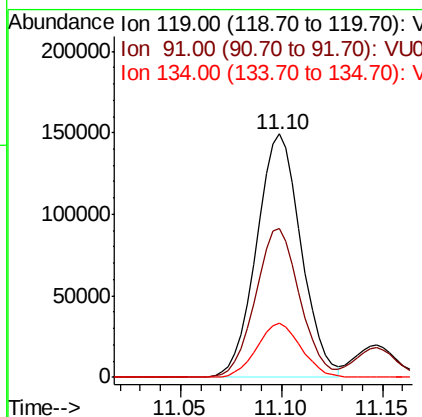
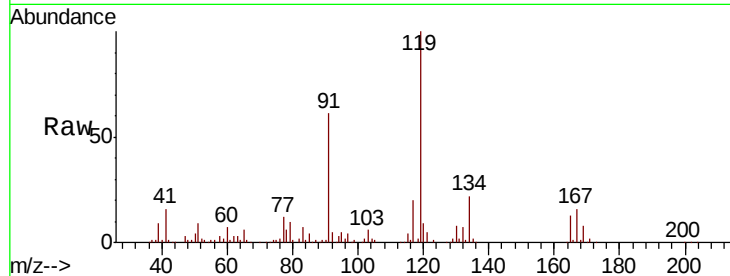
#83
tert-Butylbenzene
Concen: 49.046 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	230367		
91	61.0	30.3	91.0	
134	22.0	11.2	33.5	

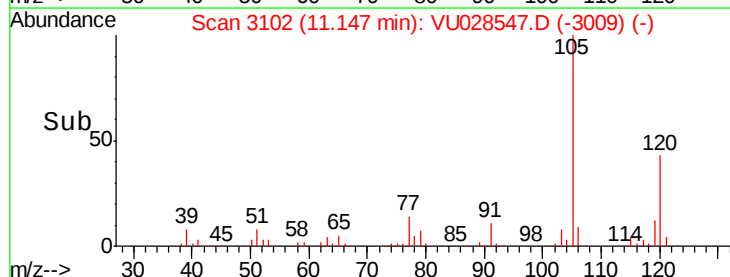
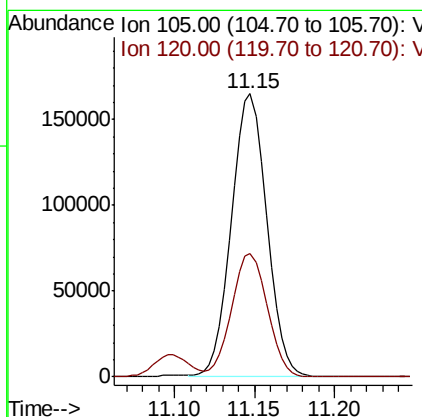
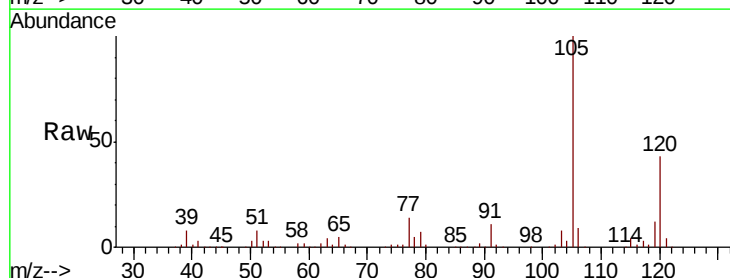
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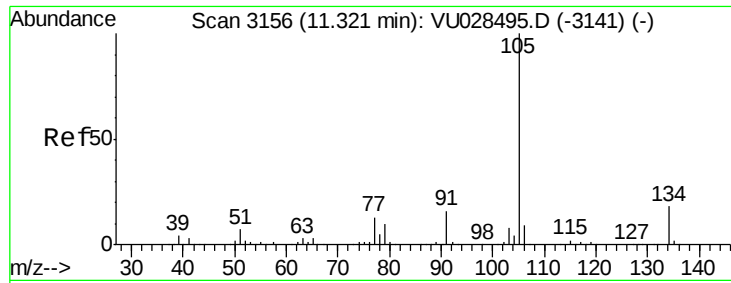
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#84
1,2,4-Trimethylbenzene
Concen: 49.464 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	248410		
120	44.1	21.8	65.4	





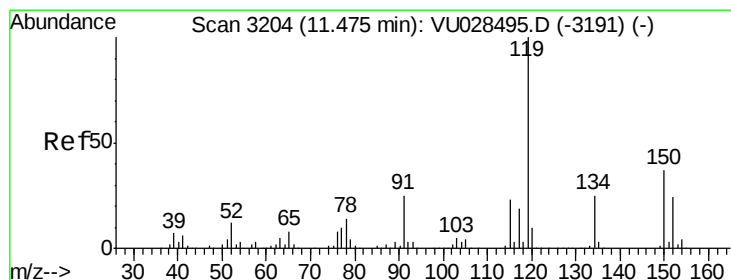
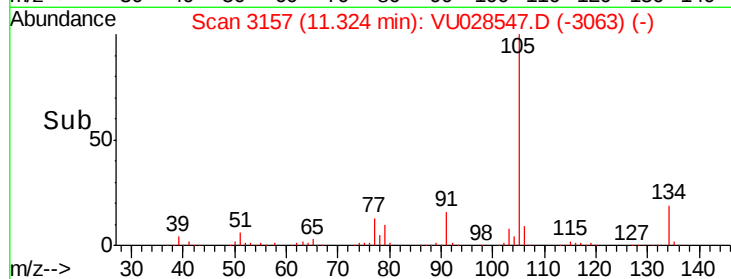
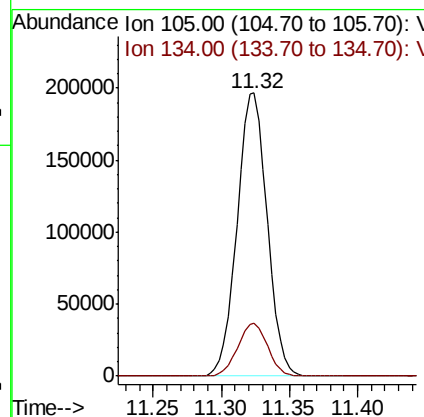
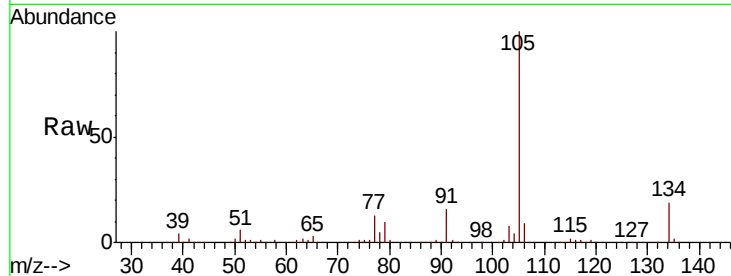
#85
 sec-Butylbenzene
 Concen: 49.752 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.2	27.6

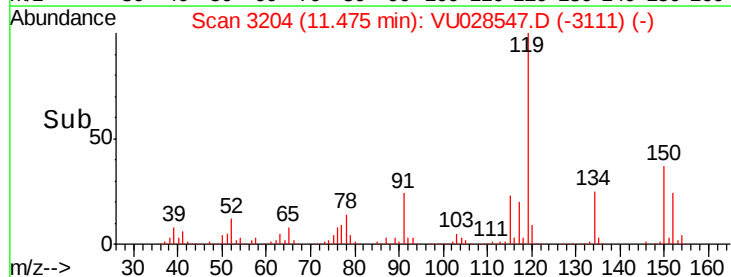
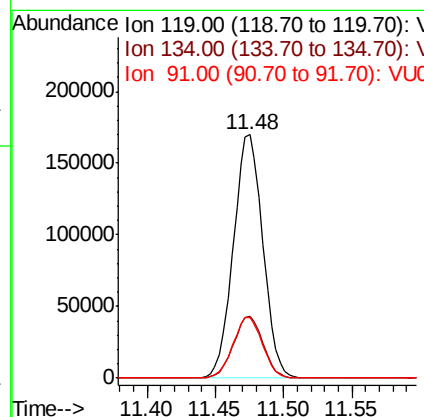
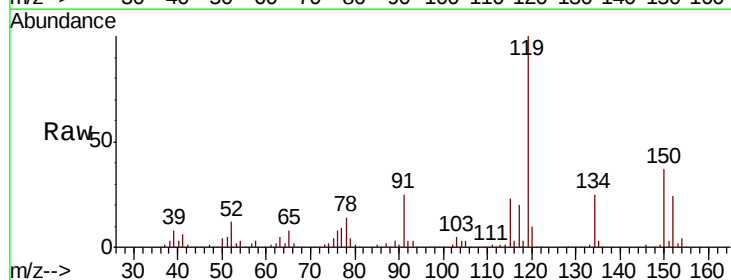
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#86
 p-Isopropyltoluene
 Concen: 49.726 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.7	38.1
91	25.0	12.6	37.6





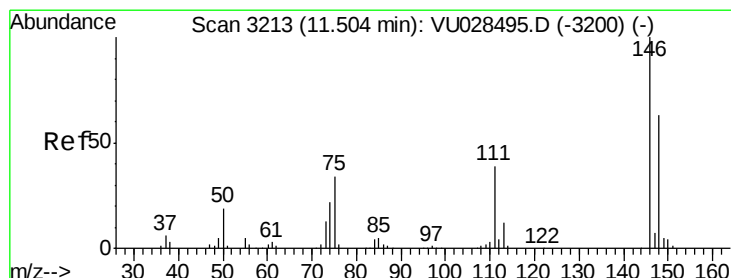
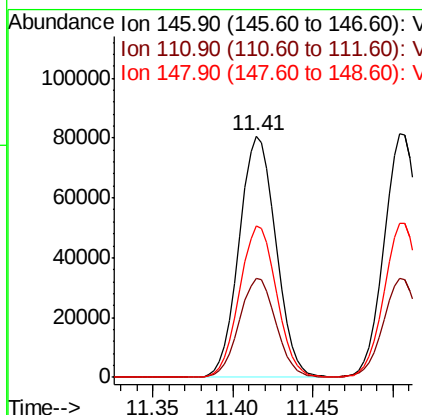
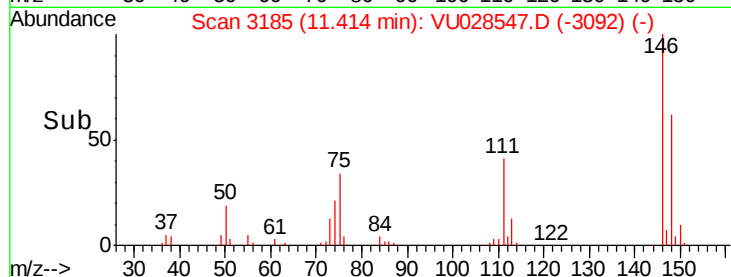
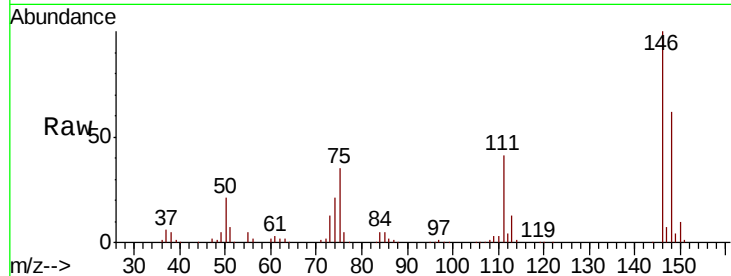
#87
 1,3-Dichlorobenzene
 Concen: 48.668 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	63.3	31.9	95.7

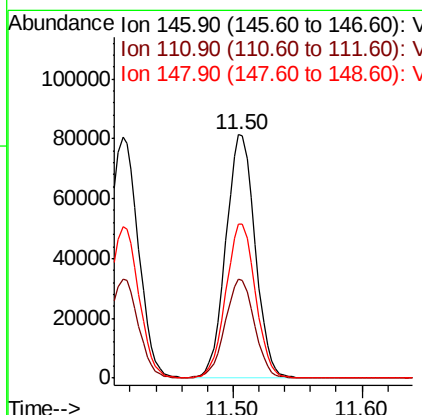
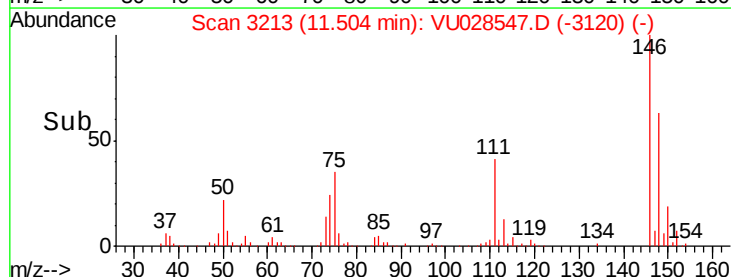
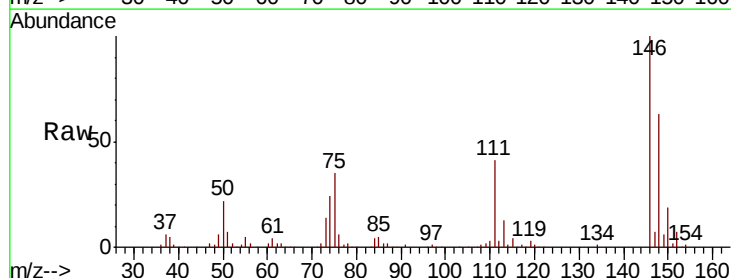
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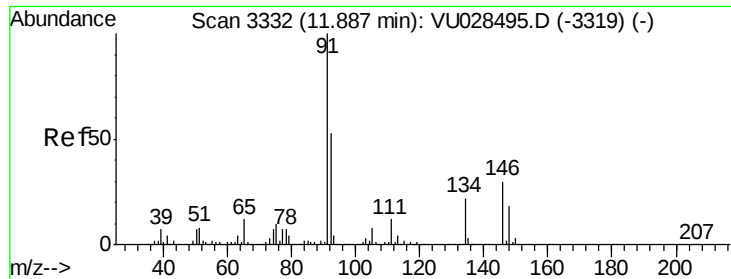
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#88
 1,4-Dichlorobenzene
 Concen: 47.684 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.2	60.5
148	64.0	31.6	95.0





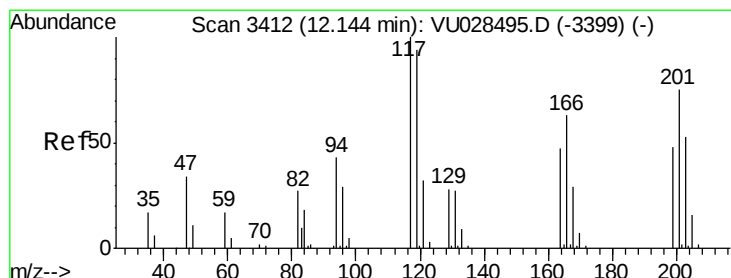
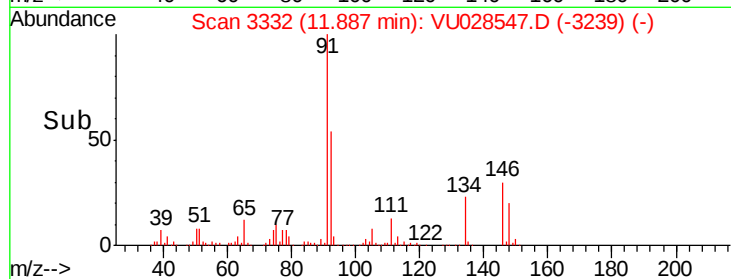
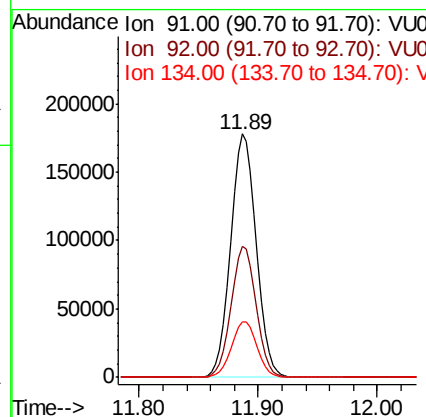
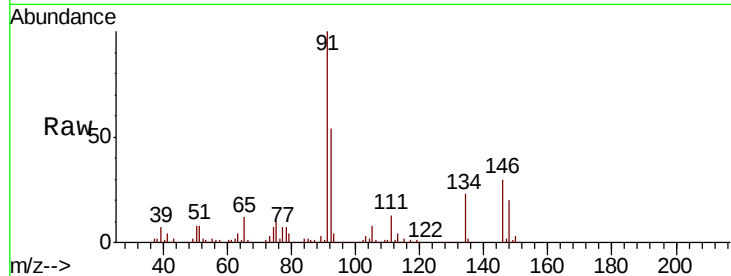
#89
n-Butylbenzene
Concen: 51.000 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	22.8	11.3	33.8

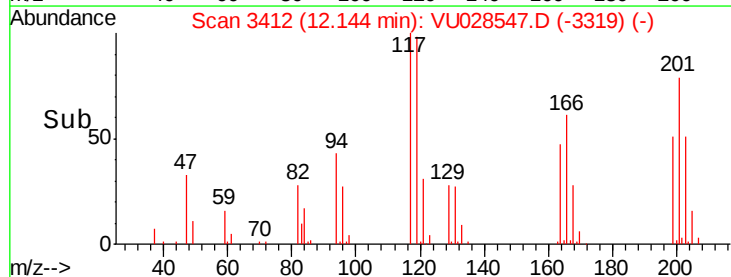
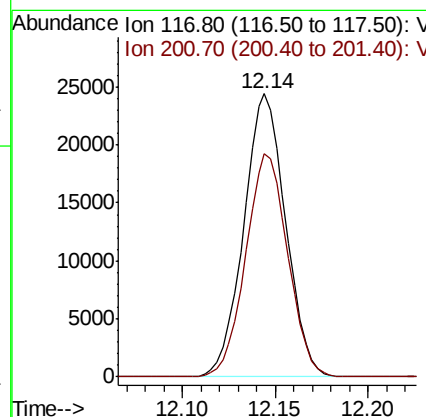
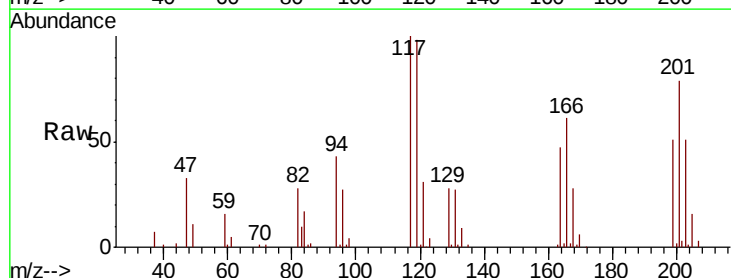
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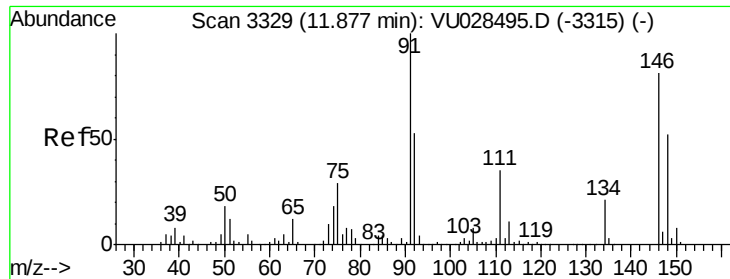
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#90
Hexachloroethane
Concen: 49.248 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	38.1	114.5





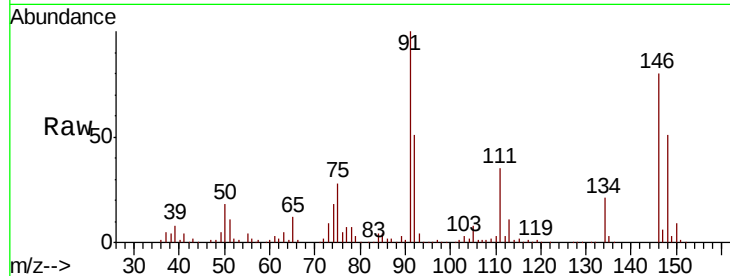
#91
 1,2-Dichlorobenzene
 Concen: 48.166 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	63.8	31.4	94.2

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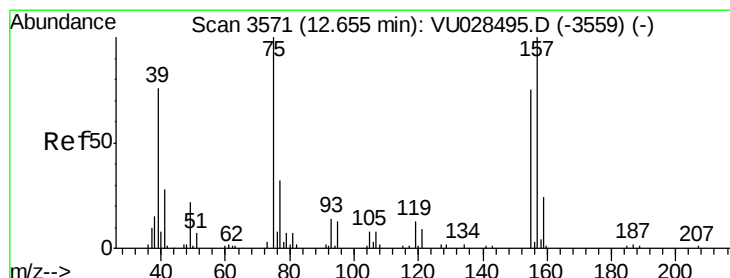
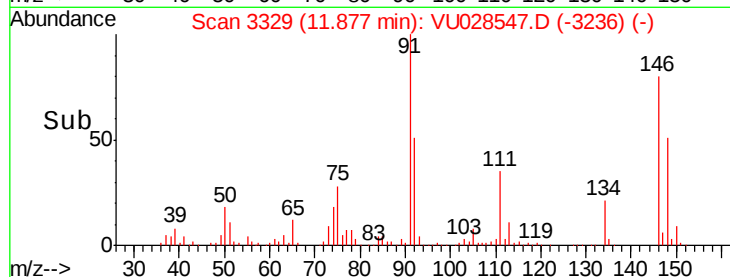
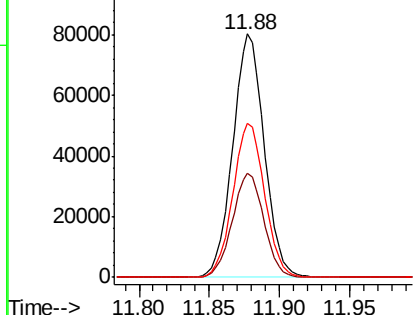


Abundance

Ion 145.90 (145.60 to 146.60): V

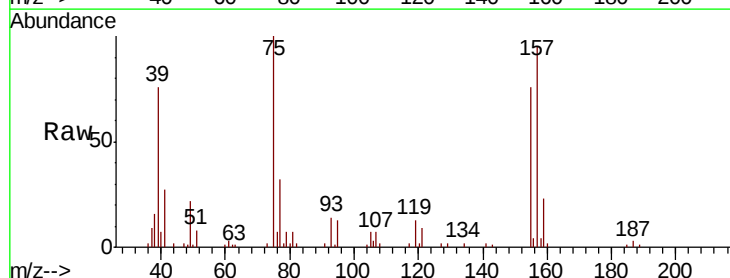
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.338 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028547.D
 Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	38.1	114.5
157	95.4	48.7	146.1

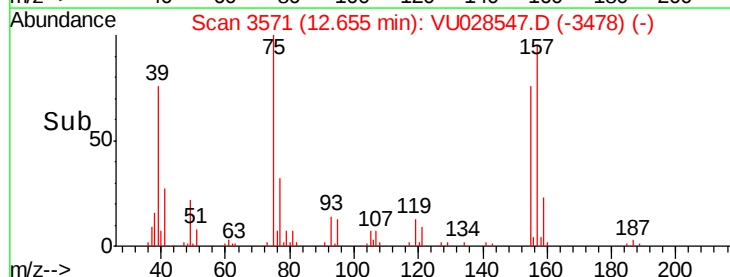
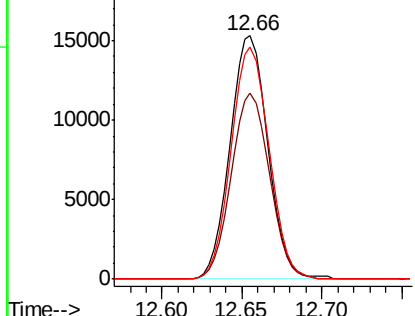


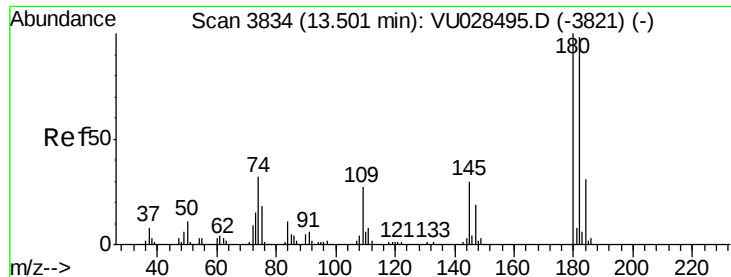
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





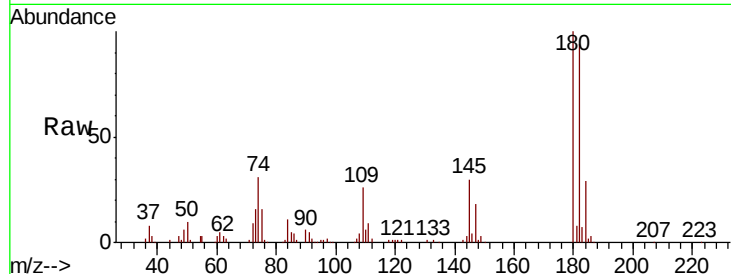
#93
1,2,4-Trichlorobenzene
Concen: 50.619 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.8
145	30.0	15.0	45.1

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MMDadoda
12/11/2018 12:09:58 PM

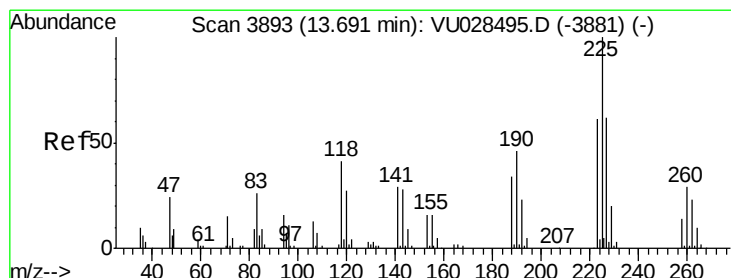
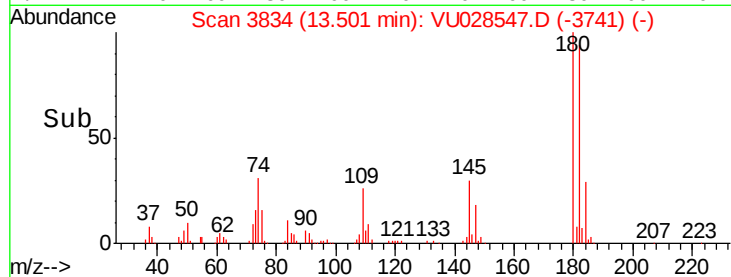
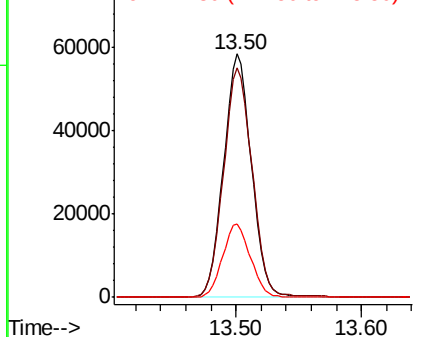


Abundance

Ion 179.80 (179.50 to 180.50): V

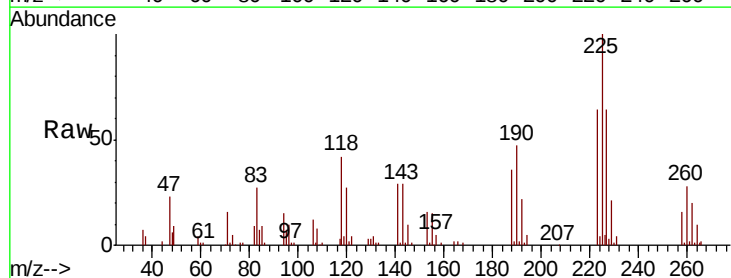
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 49.577 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.4	91.2
227	64.0	30.7	92.1

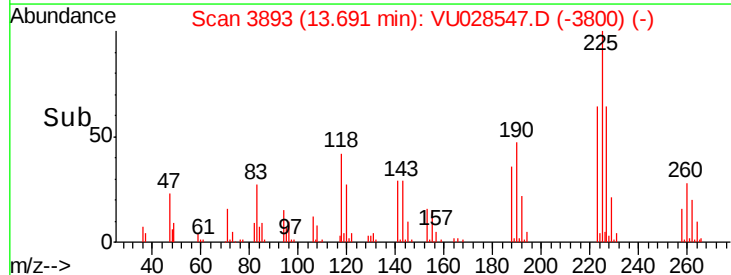
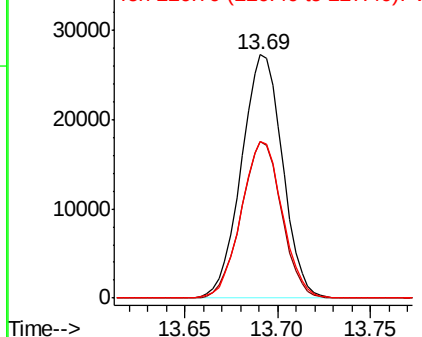


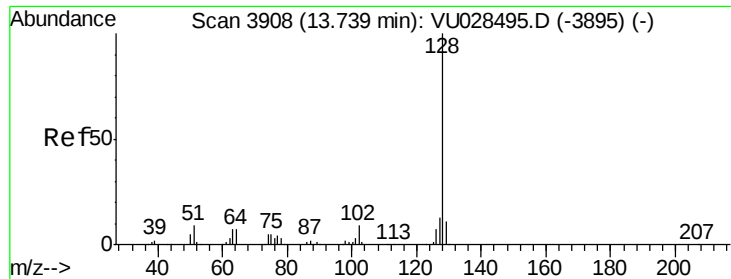
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





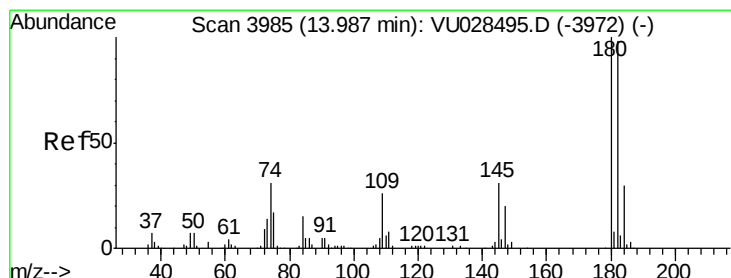
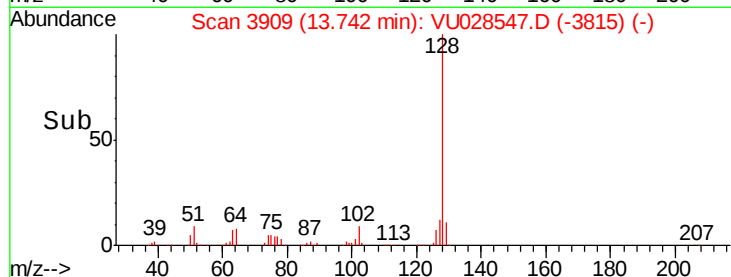
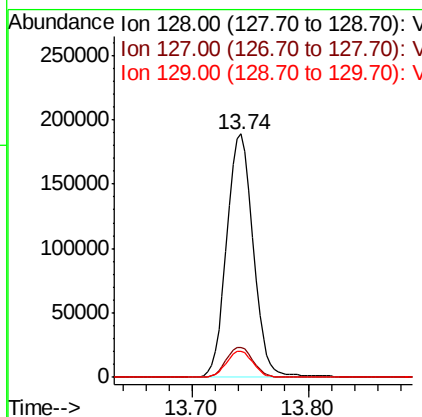
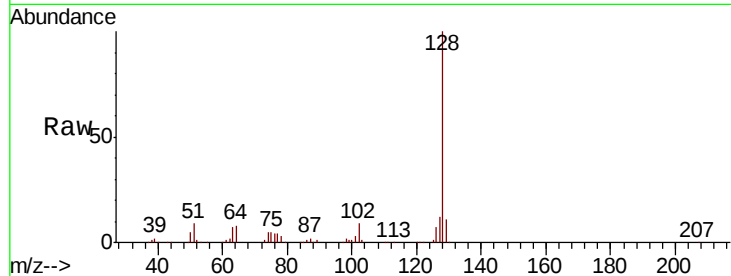
#95
Naphthalene
Concen: 47.895 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.5	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 50.068 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028547.D
Acq: 10 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.2	144.6
145	31.4	15.8	47.3

