

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028519.D
 Acq On : 06 Dec 2018 22:23
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:35:29 AM

Quant Time: Dec 07 07:06:07 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	95176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	168411	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	159995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	76246	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	4.88	113	54629	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	7.57	98	219688	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	10.30	95	82671	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	64116	50.259	ug/l	100
3) Chloromethane	1.33	50	115446	49.223	ug/l	100
4) Vinyl Chloride	1.40	62	86868	51.323	ug/l	100
5) Bromomethane	1.62	94	32461	47.611	ug/l	100
6) Chloroethane	1.69	64	49099	51.241	ug/l	97
7) Trichlorofluoromethane	1.88	101	90341	50.732	ug/l	97
8) Diethyl Ether	2.10	74	40646	48.786	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	53050	49.811	ug/l	99
10) Methyl Iodide	2.41	142	44576	53.342	ug/l	99
11) Tert butyl alcohol	2.82	59	86786	268.189	ug/l	100
12) 1,1-Dichloroethene	2.28	96	52648	49.683	ug/l	97
13) Acrolein	2.19	56	62568	242.539	ug/l	100
14) Allyl chloride	2.59	41	120906	48.230	ug/l	99
15) Acrylonitrile	2.94	53	235407	262.025	ug/l	99
16) Acetone	2.32	43	191860	202.429	ug/l	99
17) Carbon Disulfide	2.48	76	187026	48.992	ug/l	100
18) Methyl Acetate	2.62	43	130666	53.183	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	203678	50.703	ug/l	100
20) Methylene Chloride	2.70	84	66513	47.605	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	59119	49.551	ug/l	98
22) Diisopropyl ether	3.57	45	253976	52.098	ug/l	97
23) Vinyl Acetate	3.52	43	1057688	263.037	ug/l	99
24) 1,1-Dichloroethane	3.45	63	127089	49.803	ug/l	100
25) 2-Butanone	4.26	43	319614	246.759	ug/l	97
26) 2,2-Dichloropropane	4.23	77	93536	46.260	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	68153	50.468	ug/l	99
28) Bromochloromethane	4.55	49	61769	53.246	ug/l	98
29) Tetrahydrofuran	4.64	42	220691	265.299	ug/l	99
30) Chloroform	4.67	83	113161	50.880	ug/l	99
31) Cyclohexane	5.00	56	126482	50.811	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	93174	50.441	ug/l	100
36) 1,1-Dichloropropene	5.14	75	89300	48.456	ug/l	98
37) Ethyl Acetate	4.38	43	122183	51.287	ug/l	99
38) Carbon Tetrachloride	5.13	117	74084	49.876	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	108223	48.135	ug/l	99
40) Benzene	5.39	78	272993	50.296	ug/l	98
41) Methacrylonitrile	4.54	41	69245	53.075	ug/l	99
42) 1,2-Dichloroethane	5.40	62	95376	50.200	ug/l	99
43) Isopropyl Acetate	5.55	43	197067	52.299	ug/l	99
44) Trichloroethene	6.19	130	59382	49.204	ug/l	96
45) 1,2-Dichloropropane	6.43	63	78760	51.601	ug/l	99
46) Dibromomethane	6.56	93	45421	50.155	ug/l	98
47) Bromodichloromethane	6.76	83	88477	50.206	ug/l	99
48) Methyl methacrylate	6.62	41	99662	53.184	ug/l	99
49) 1,4-Dioxane	6.61	88	32863	1110.679	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	619319	260.591	ug/l	99
52) Toluene	7.64	92	161546	50.572	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	106401	50.695	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	113666	49.917	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	63945	50.642	ug/l	99
56) Ethyl methacrylate	8.02	69	110057	50.898	ug/l	98
57) 1,3-Dichloropropane	8.24	76	116943	49.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	281508	254.174	ug/l	99
59) 2-Hexanone	8.36	43	471165	250.127	ug/l	100
60) Dibromochloromethane	8.48	129	61362	49.635	ug/l	99
61) 1,2-Dibromoethane	8.58	107	68751	51.921	ug/l	99
64) Tetrachloroethene	8.22	164	51142	47.921	ug/l	98
65) Chlorobenzene	9.12	112	167411	49.104	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	55079	50.591	ug/l	100
67) Ethyl Benzene	9.25	91	310708	49.575	ug/l	99
68) m/p-Xylenes	9.37	106	229045	100.434	ug/l	100
69) o-Xylene	9.78	106	110088	49.673	ug/l	100
70) Styrene	9.79	104	183717	50.090	ug/l	99
71) Bromoform	9.96	173	46813	50.545	ug/l #	99
73) Isopropylbenzene	10.16	105	293265	47.530	ug/l	99
74) N-amyl acetate	10.01	43	175557	49.326	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	114877	48.467	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	95890m	46.701	ug/l	
77) Bromobenzene	10.45	156	69401	48.094	ug/l	100
78) n-propylbenzene	10.58	91	369010	48.130	ug/l	99
79) 2-Chlorotoluene	10.66	91	212355	48.084	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	247167	48.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	43083m	51.572	ug/l	
82) 4-Chlorotoluene	10.77	91	249454	47.665	ug/l	99
83) tert-Butylbenzene	11.10	119	235258	47.789	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	252094	47.893	ug/l	99
85) sec-Butylbenzene	11.32	105	305778	48.350	ug/l	100
86) p-Isopropyltoluene	11.48	119	255728	47.601	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	128669	47.221	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	130123	46.157	ug/l	100
89) n-Butylbenzene	11.89	91	261844	48.160	ug/l	100
90) Hexachloroethane	12.14	117	39307	48.407	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	127031	46.607	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25796	50.270	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	90484	48.340	ug/l	99
94) Hexachlorobutadiene	13.69	225	40064	44.874	ug/l	98
95) Naphthalene	13.74	128	316659	48.416	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	91264	48.963	ug/l	99

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

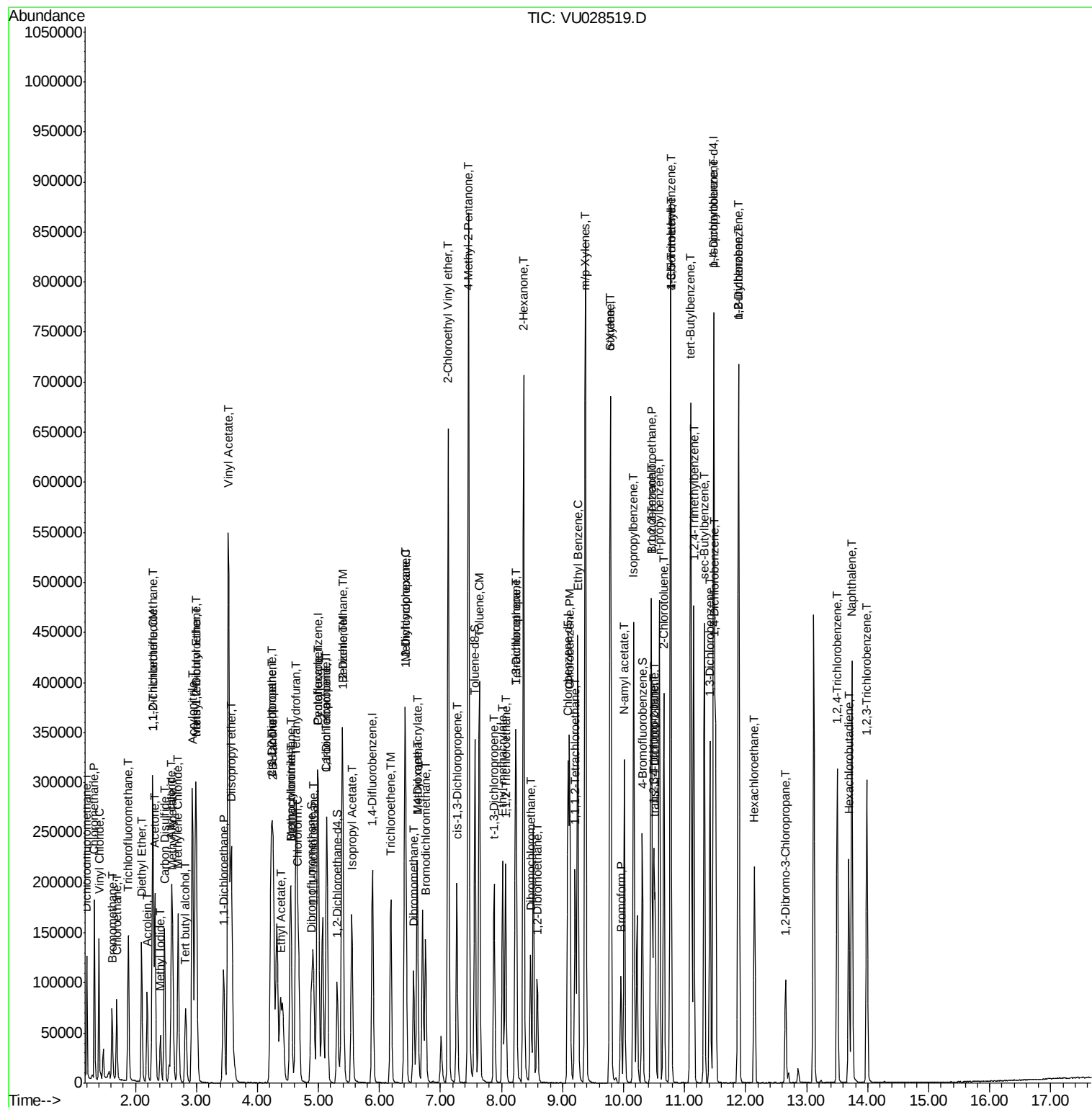
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120618\
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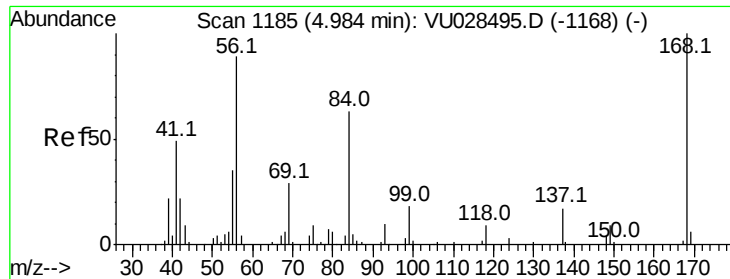
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 95176

Ion Ratio Lower Upper

168 100

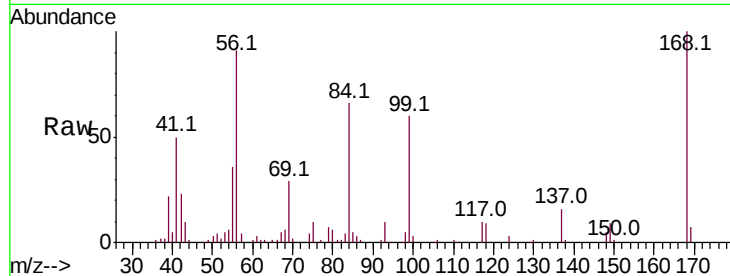
99 59.3 46.6 69.8

Manual Integrations

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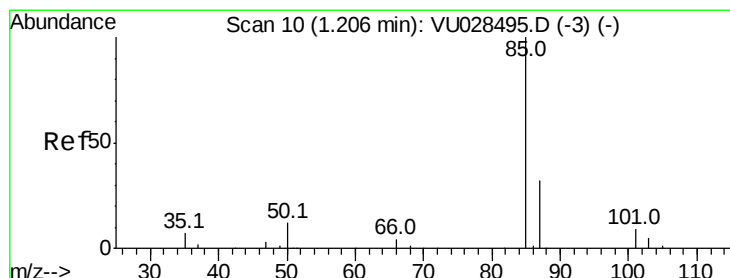
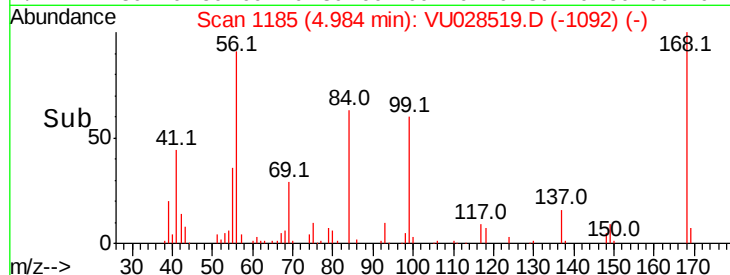
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.259 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028519.D

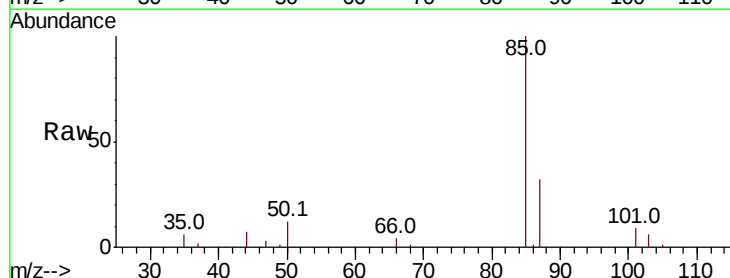
Acq: 06 Dec 2018 22:23

Tgt Ion: 85 Resp: 64116

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



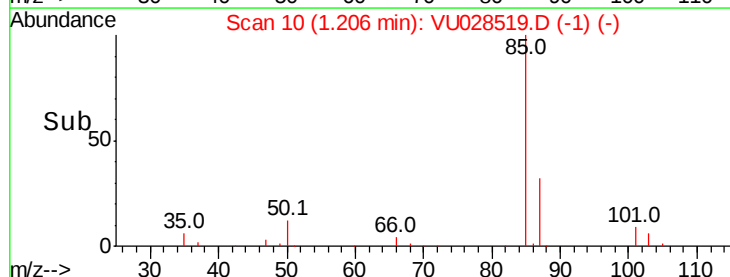
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

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

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 49.223 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 115446

Ion Ratio Lower Upper

50 100

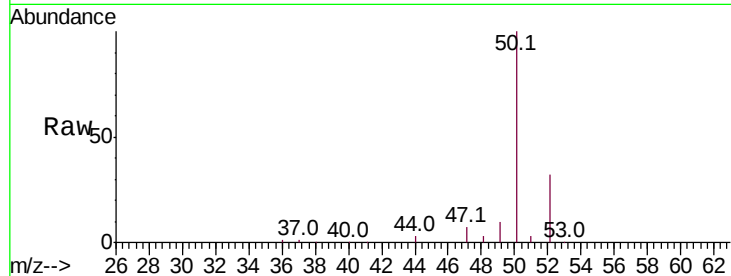
52 31.7 25.5 38.3

Manual Integrations

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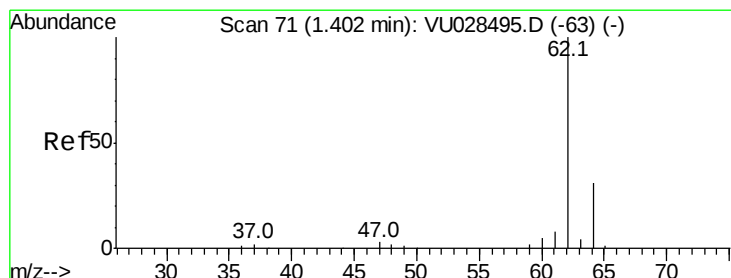
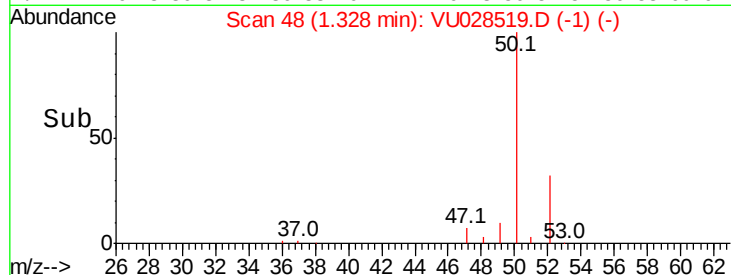
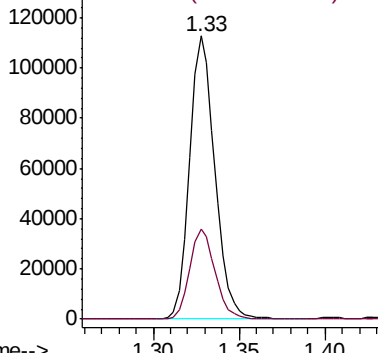
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 51.323 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028519.D

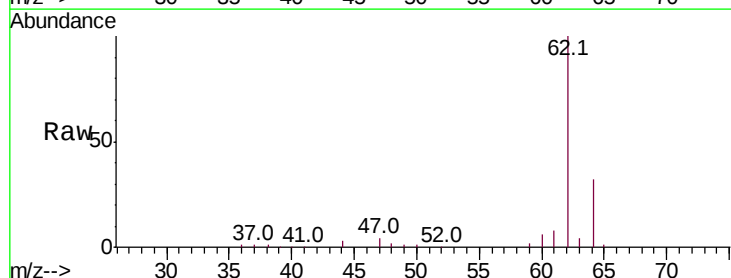
Acq: 06 Dec 2018 22:23

Tgt Ion: 62 Resp: 86868

Ion Ratio Lower Upper

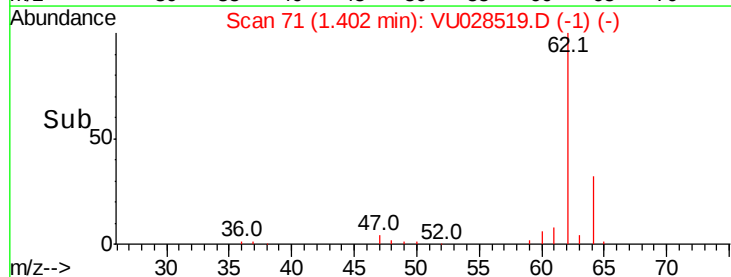
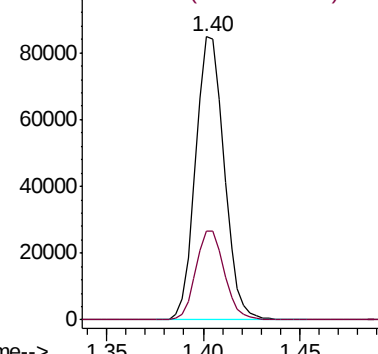
62 100

64 31.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 47.611 ug/l

RT: 1.62 min Scan# 139

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 32461

Ion Ratio Lower Upper

94 100

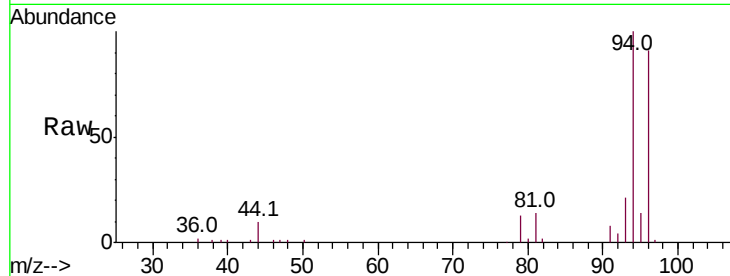
96 91.2 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

25000

20000

15000

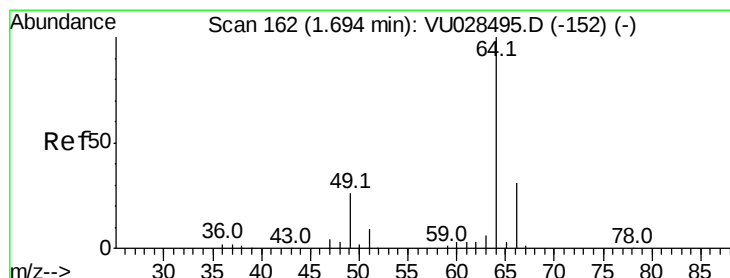
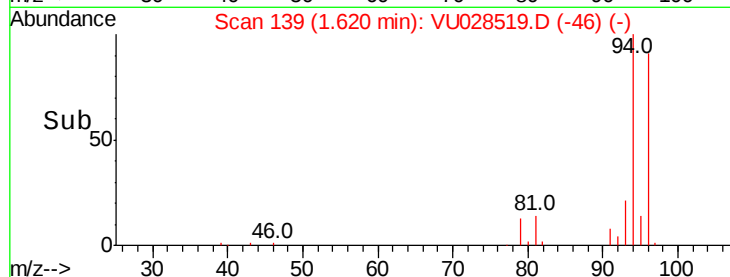
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5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 51.241 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU028519.D

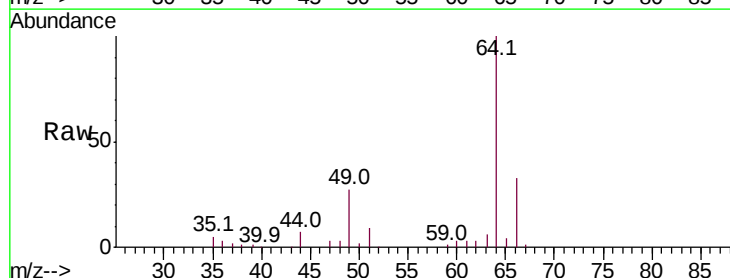
Acq: 06 Dec 2018 22:23

Tgt Ion: 64 Resp: 49099

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

40000

30000

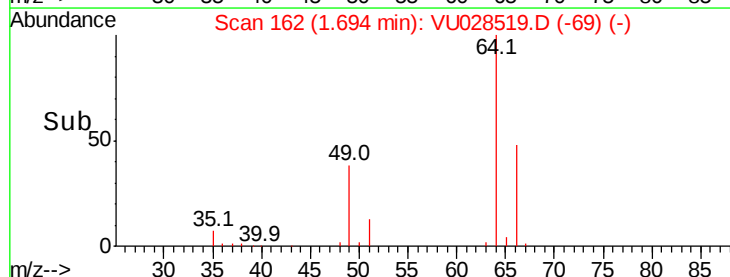
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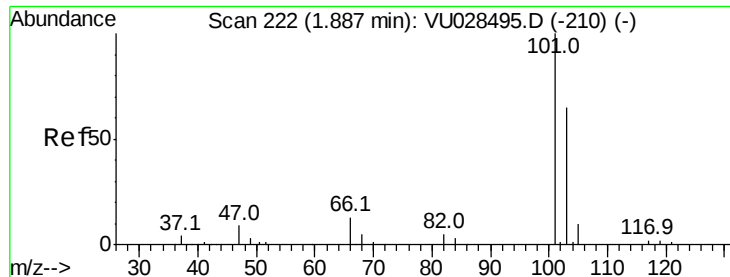
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Time-->

1.65 1.70 1.75





#7

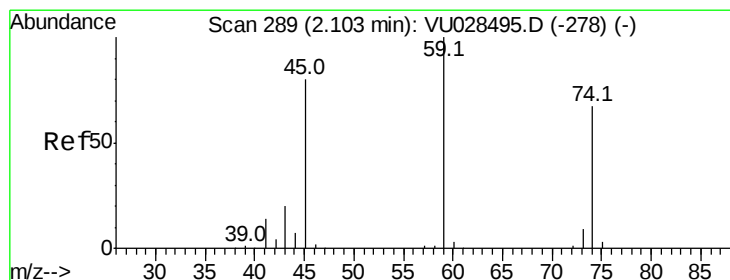
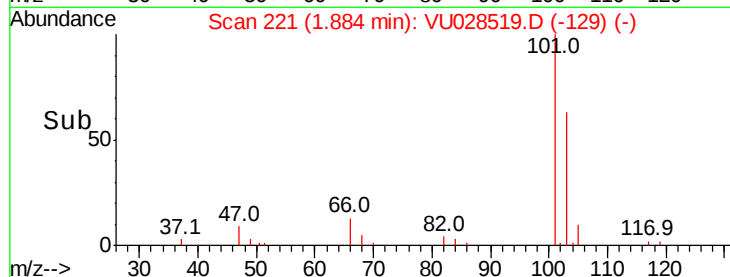
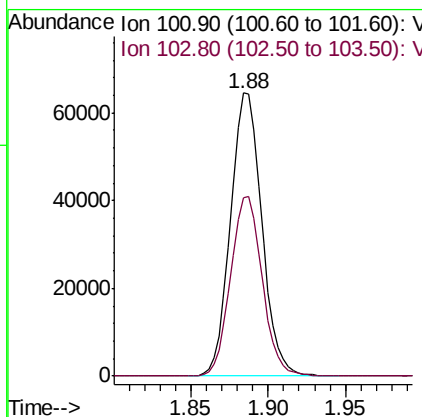
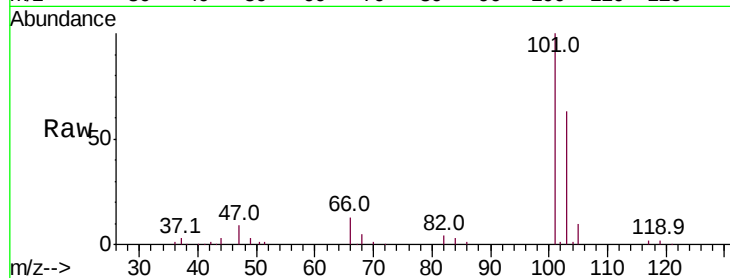
Trichlorofluoromethane
Concen: 50.732 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU028519.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.3	78.5

Manual Integrations
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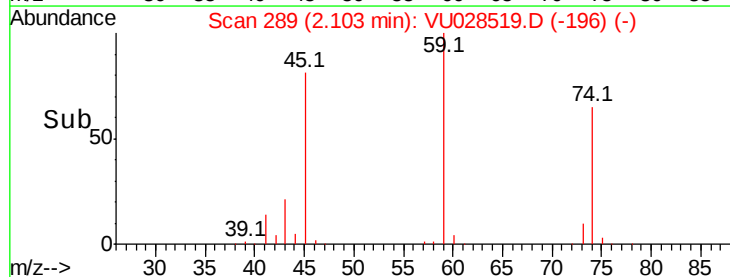
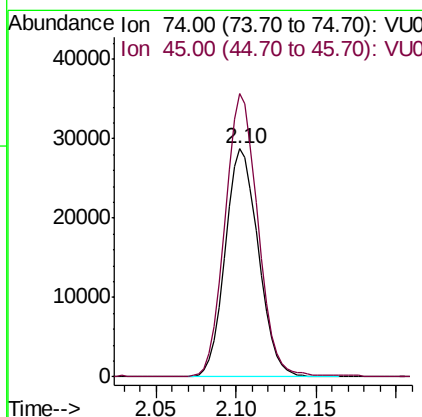
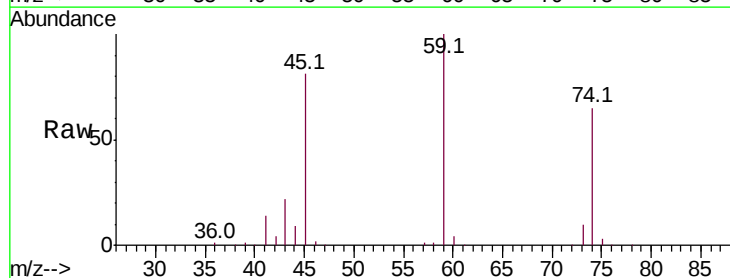
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#8

Diethyl Ether
Concen: 48.786 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.0	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.811 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

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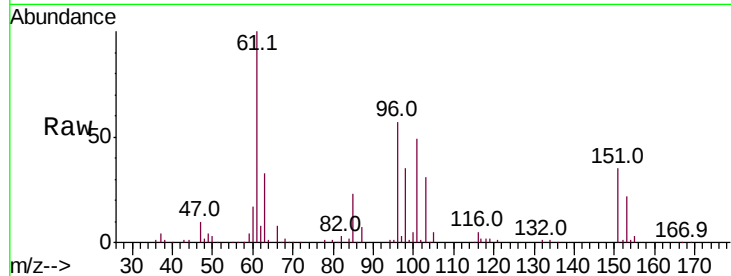
ClientSampleId :

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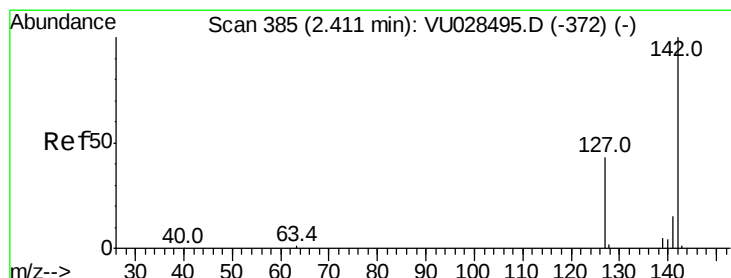
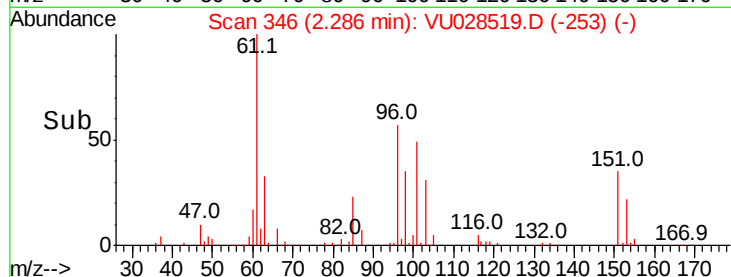
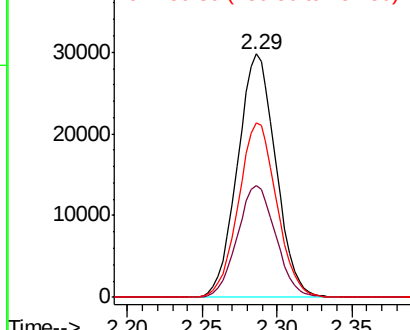
Tot Ion:	101	Resp:	53050
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.4	54.6
151	71.6	58.2	87.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.342 ug/l

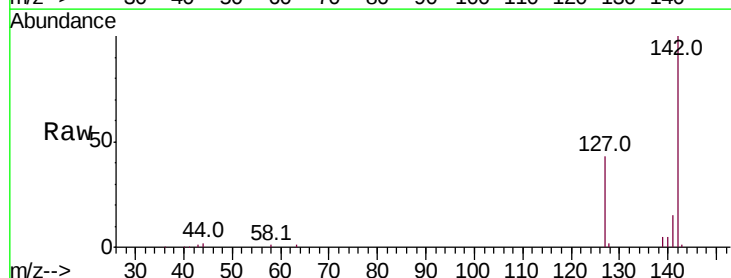
RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

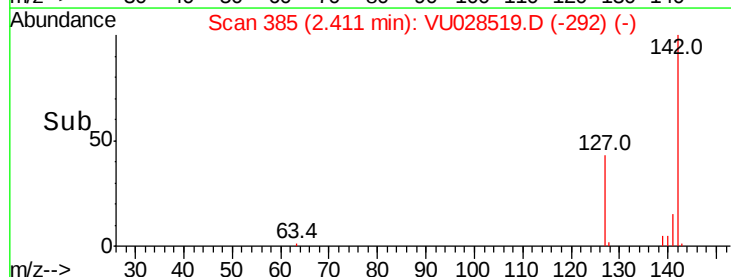
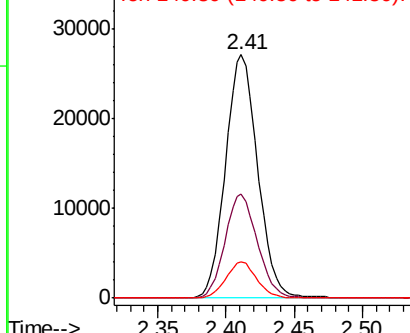
Lab File: VU028519.D

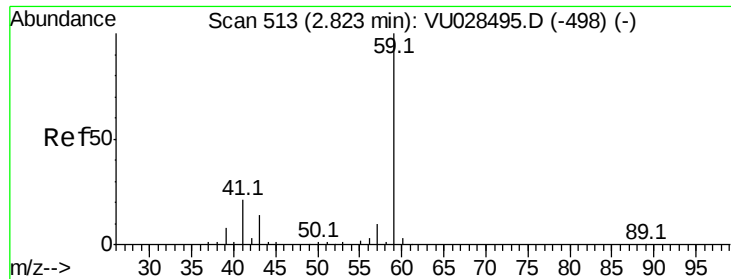
Acq: 06 Dec 2018 22:23

Tgt Ion:	142	Resp:	44576
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.5	50.3
141	14.1	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

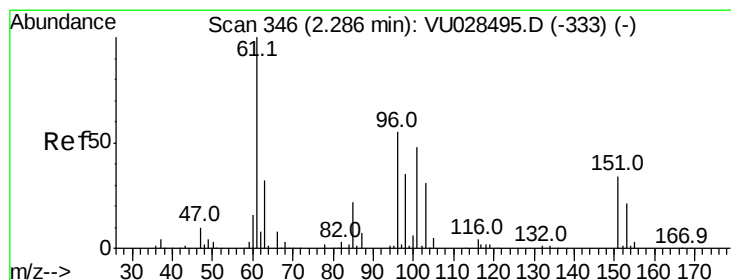
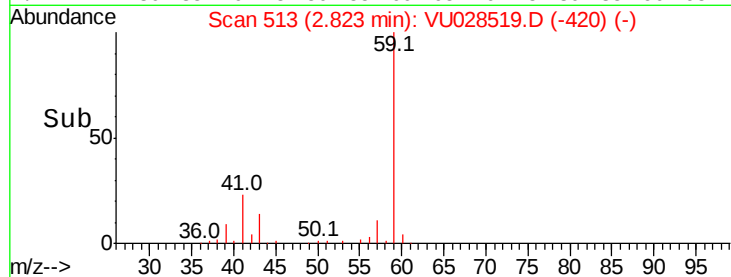
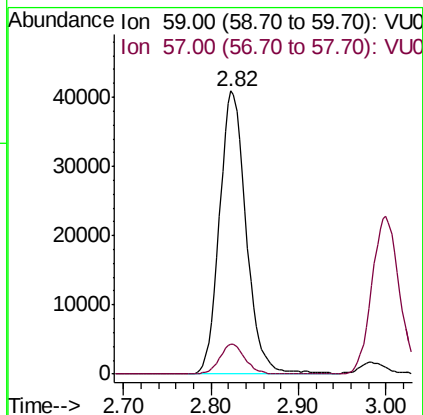
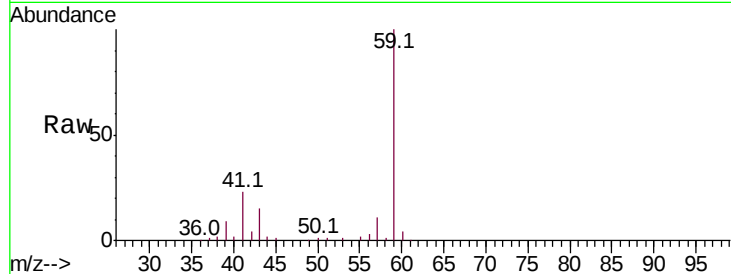
Tert butyl alcohol
Concen: 268.189 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	86786
Ion Ratio	100	Lower	Upper
59	100		
57	10.0	8.0	12.0

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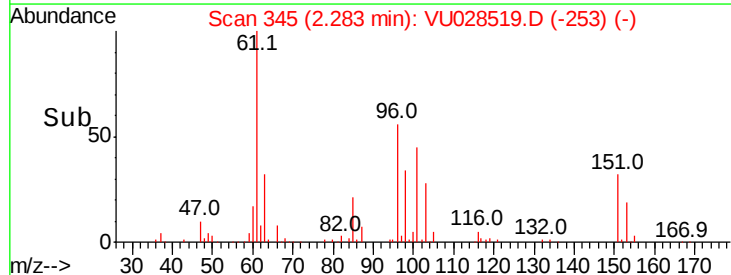
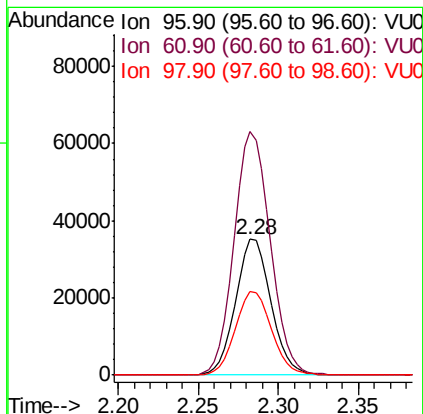
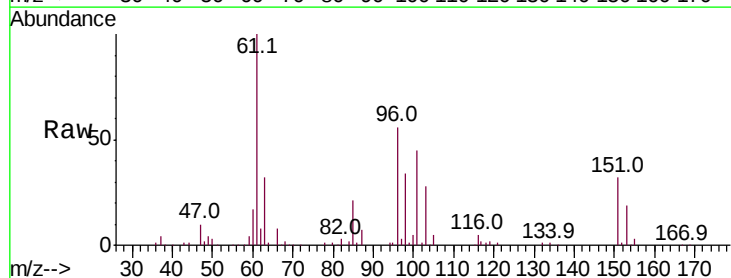
MMDadoda
12/7/2018 10:35:29 AM

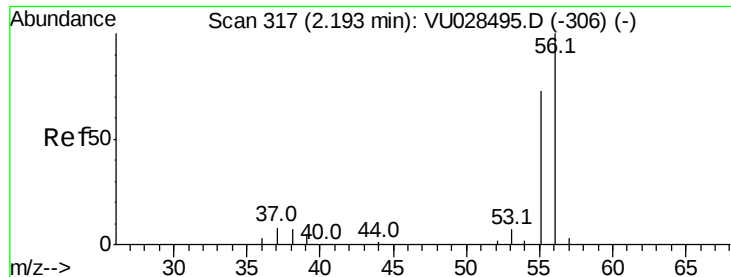


#12

1,1-Dichloroethene
Concen: 49.683 ug/l
RT: 2.28 min Scan# 346
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	96	Resp	52648
Ion Ratio	100	Lower	Upper
96	100		
61	179.2	146.4	219.6
98	61.4	51.8	77.8





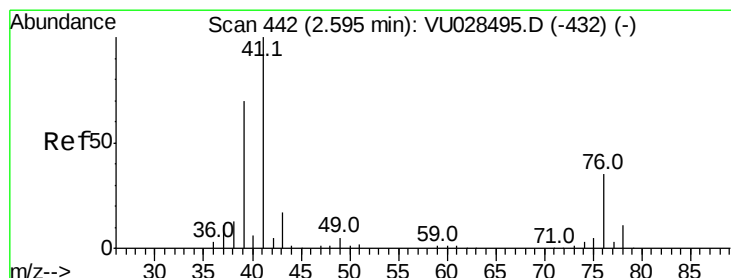
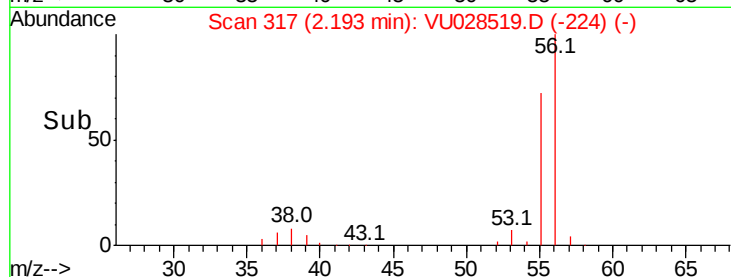
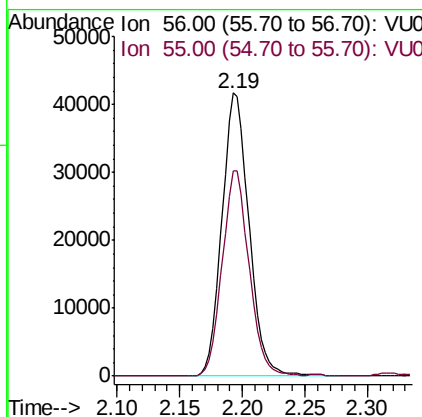
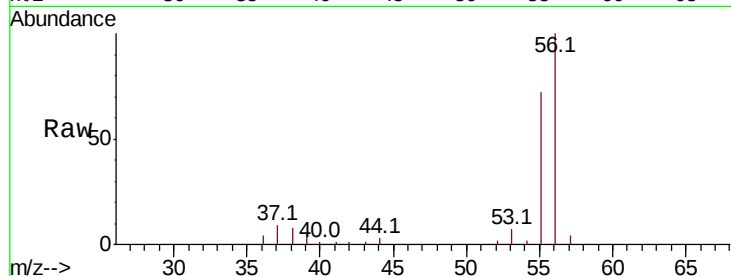
#13
Acrolein
Concen: 242.539 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	62568
Ion Ratio	100	Lower	Upper
55	71.9	57.5	86.3

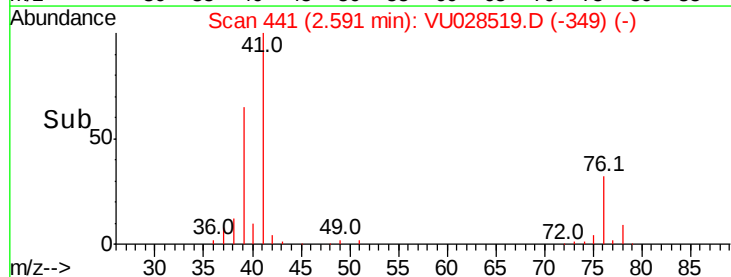
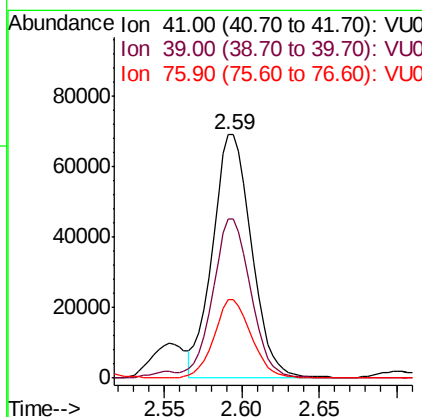
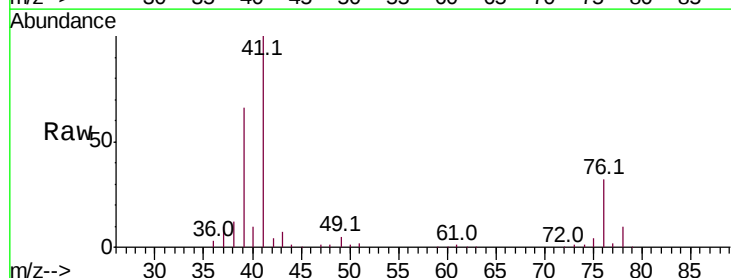
Manual Integrations
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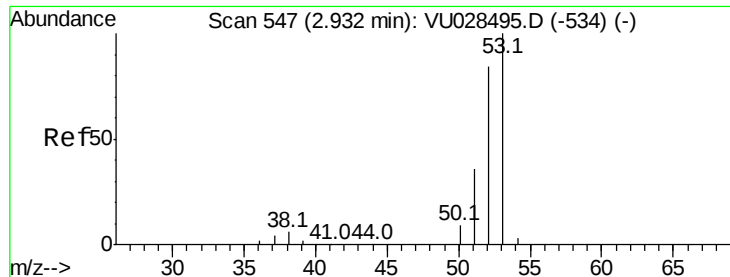
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#14
Allyl chloride
Concen: 48.230 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	41	Resp	120906
Ion Ratio	100	Lower	Upper
39	64.7	50.8	76.2
76	30.9	24.8	37.2





#15

Acrylonitrile

Concen: 262.025 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

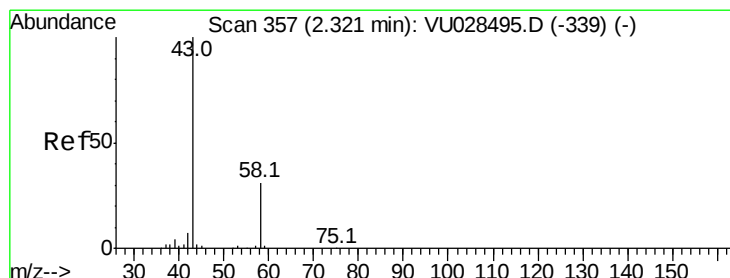
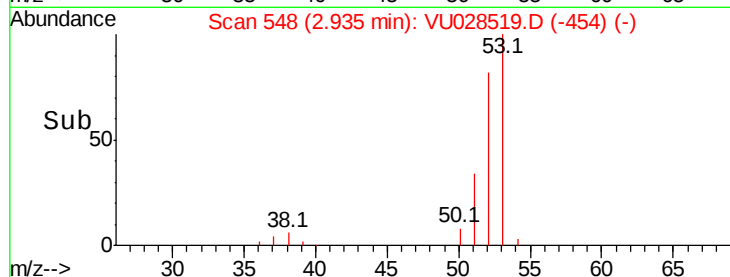
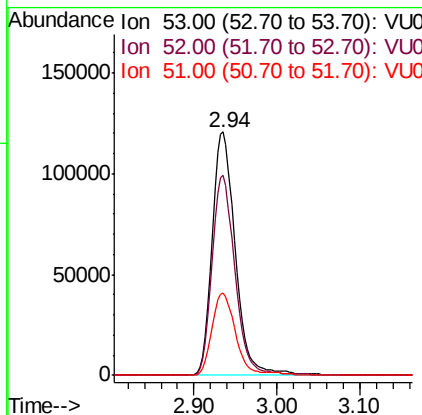
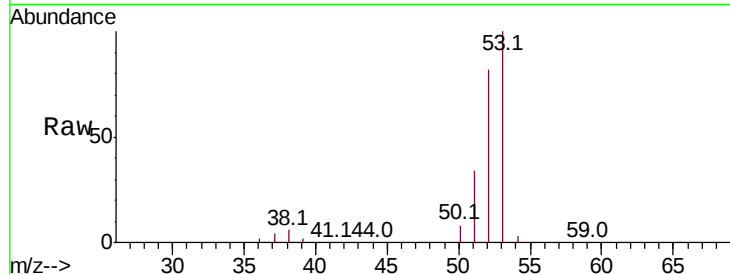
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	235407
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.1	99.1
51	34.9	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 202.429 ug/l

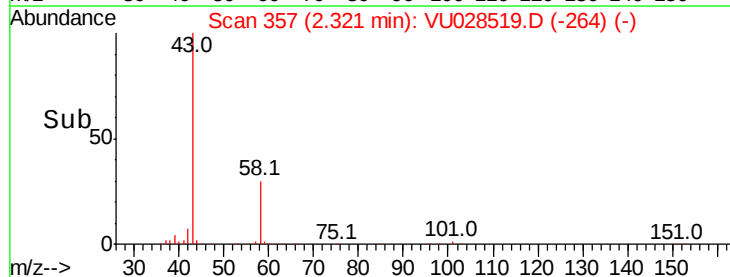
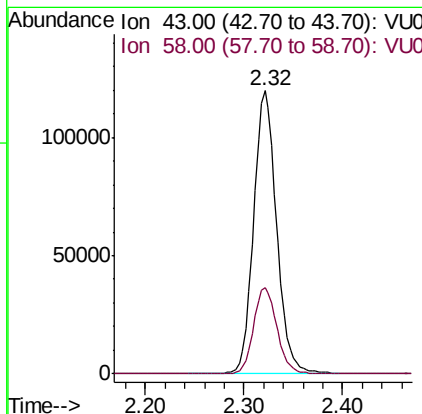
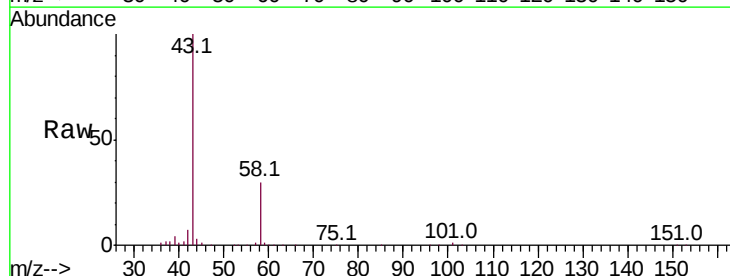
RT: 2.32 min Scan# 357

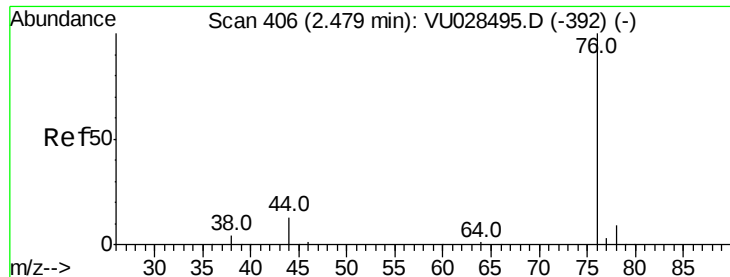
Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Tgt Ion:	43	Resp:	191860
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.6	37.0





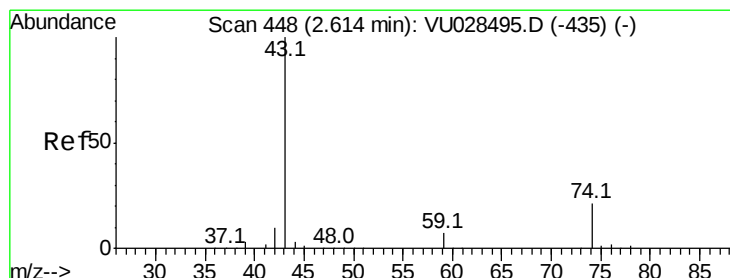
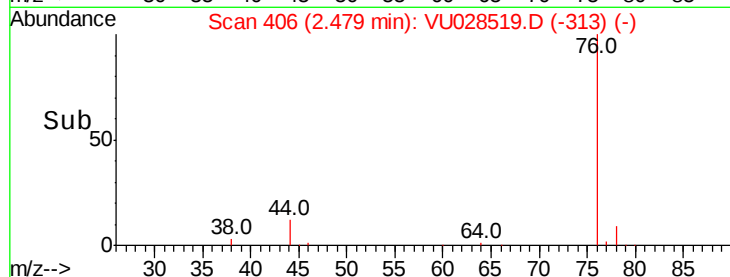
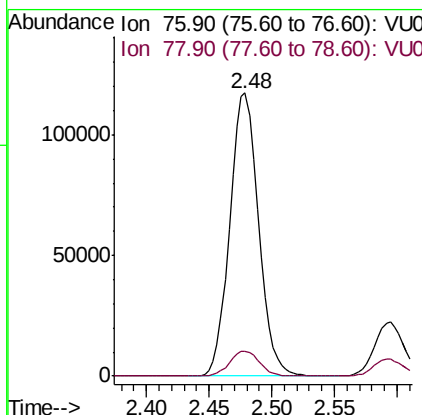
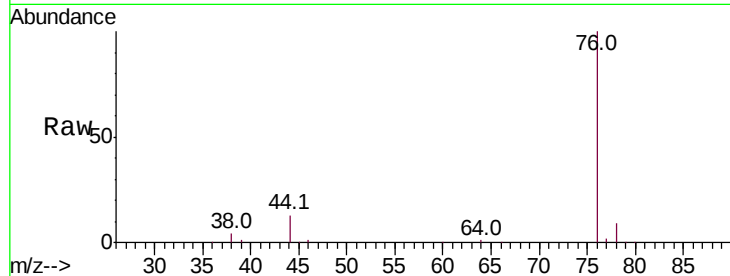
#17
Carbon Disulfide
Concen: 48.992 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

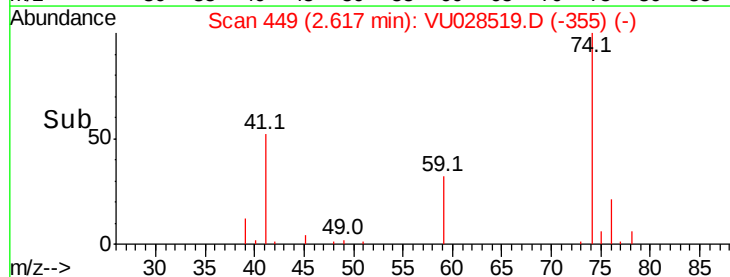
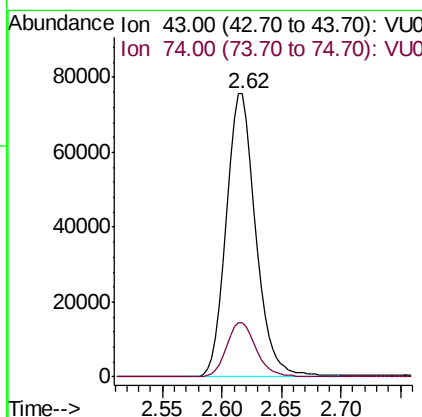
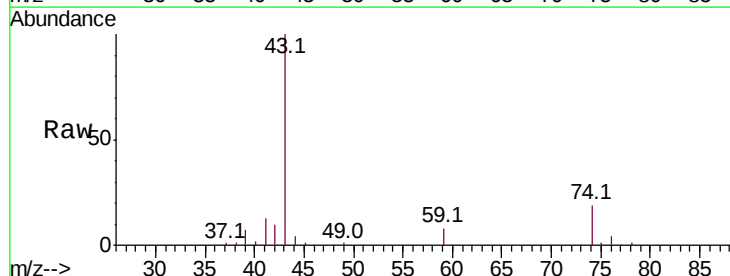
Manual Integrations
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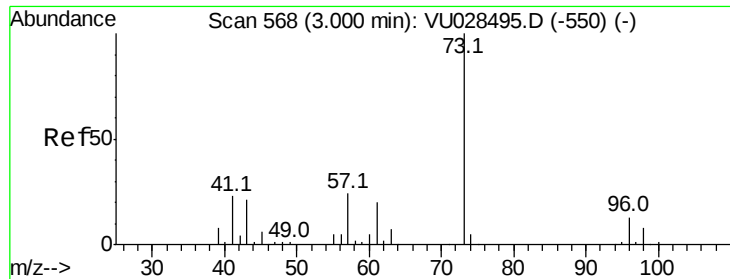
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#18
Methyl Acetate
Concen: 53.183 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	16.4	24.6





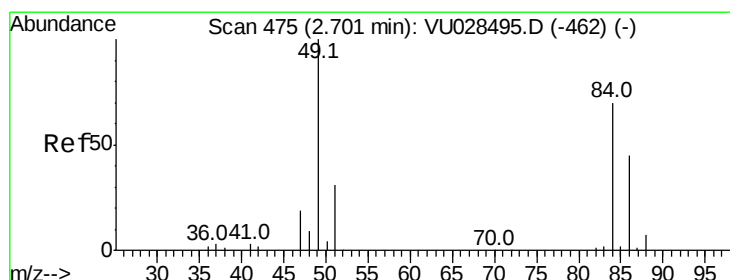
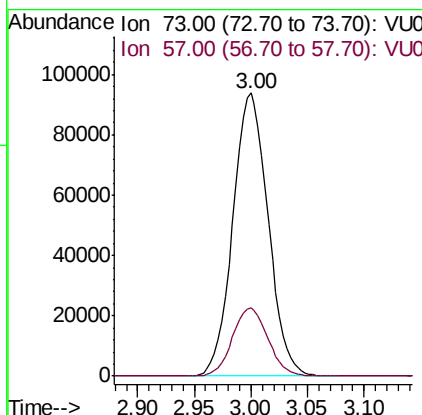
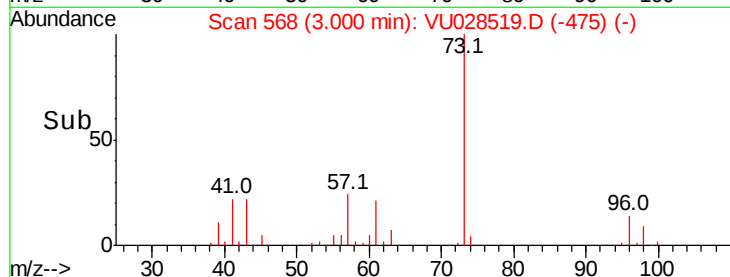
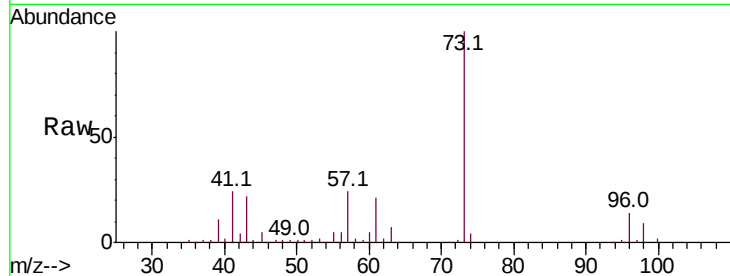
#19
Methvl tert-butvl Ether
Concen: 50.703 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 203678
Ion Ratio Lower Upper
73 100
57 24.3 19.4 29.2

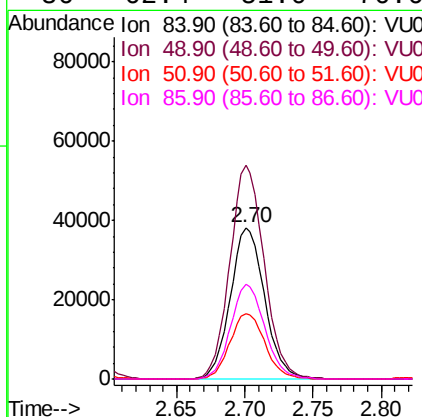
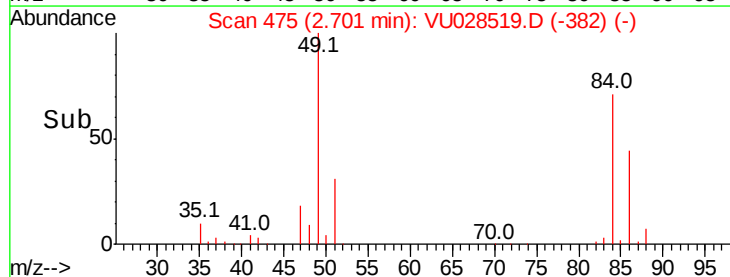
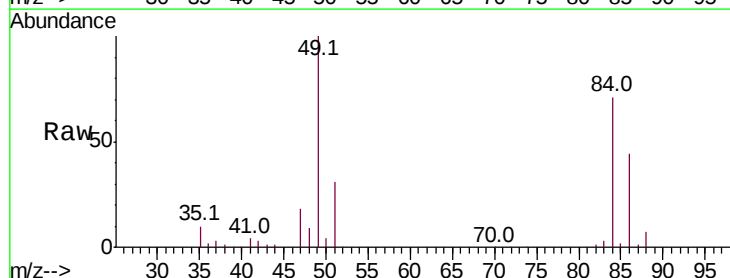
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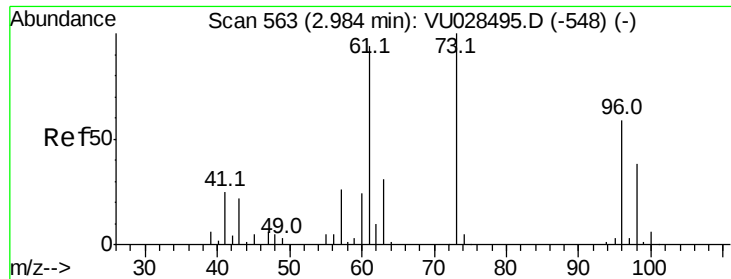
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#20
Methylene Chloride
Concen: 47.605 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 84 Resp: 66513
Ion Ratio Lower Upper
84 100
49 141.3 114.0 171.0
51 43.3 35.1 52.7
86 62.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.551 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 59119

Ion Ratio Lower Upper

96 100

61 155.6 127.0 190.4

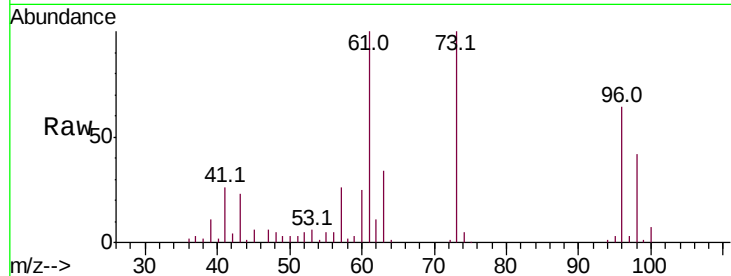
98 65.1 51.9 77.9

Manual Integrations

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MMDadoda

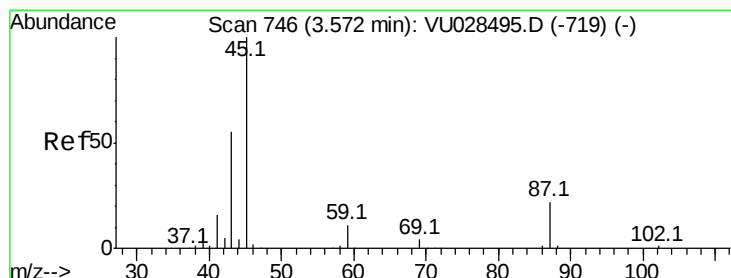
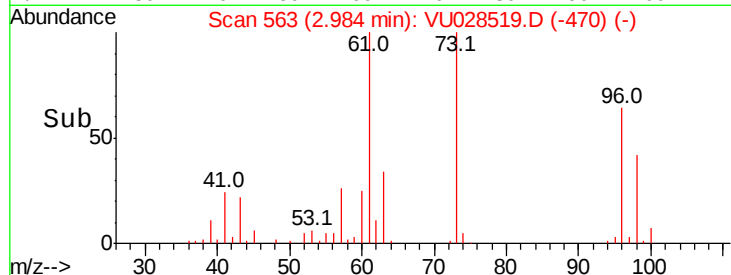
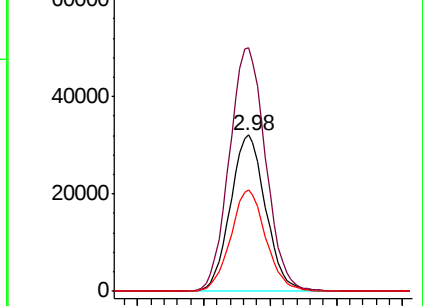
12/7/2018 10:35:29 AM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 52.098 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Tgt Ion: 45 Resp: 253976

Ion Ratio Lower Upper

45 100

43 54.2 45.3 67.9

87 20.5 17.6 26.4

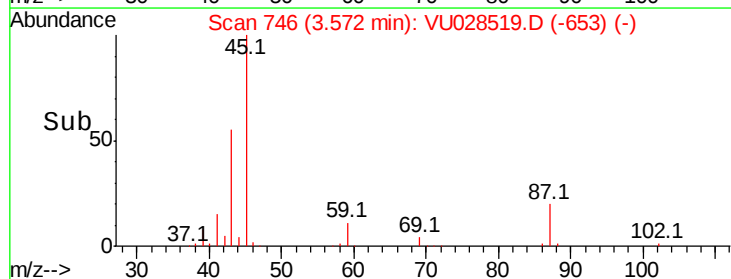
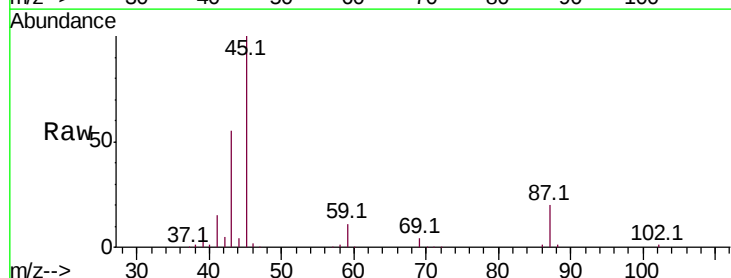
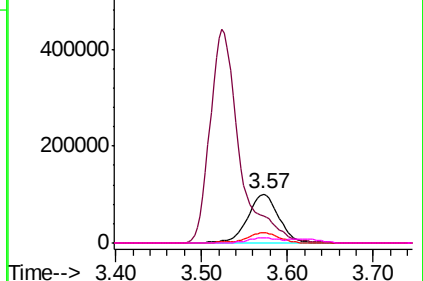
59 11.0 8.8 13.2

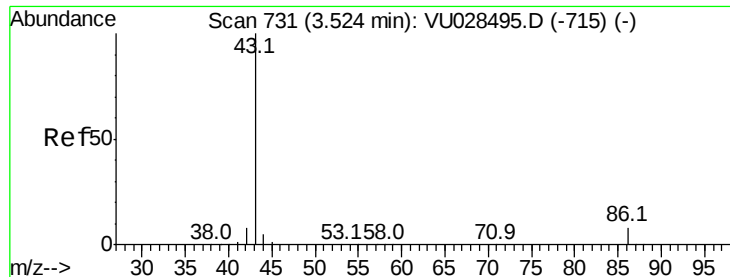
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 263.037 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1057688

Ion Ratio Lower Upper

43 100

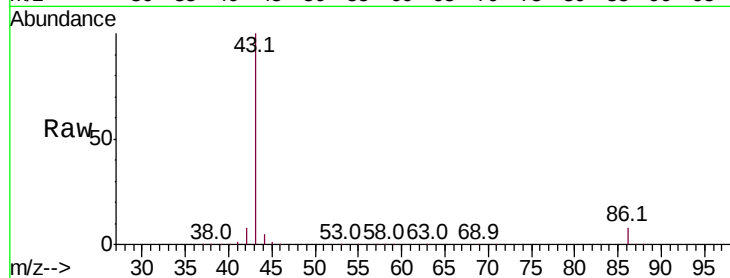
86 8.2 6.8 10.2

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

400000

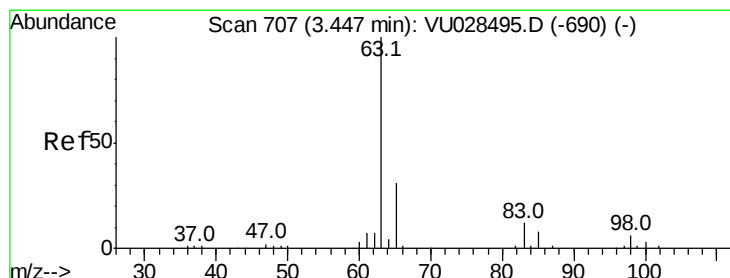
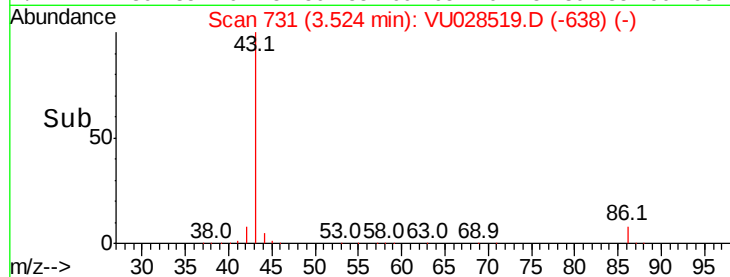
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.803 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

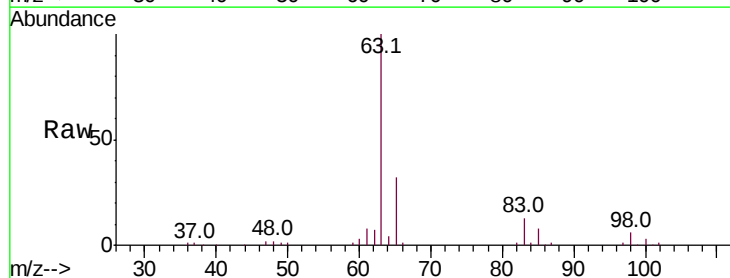
Tgt Ion: 63 Resp: 127089

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.4 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

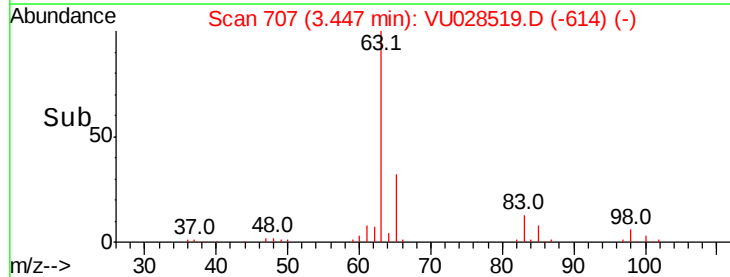
60000

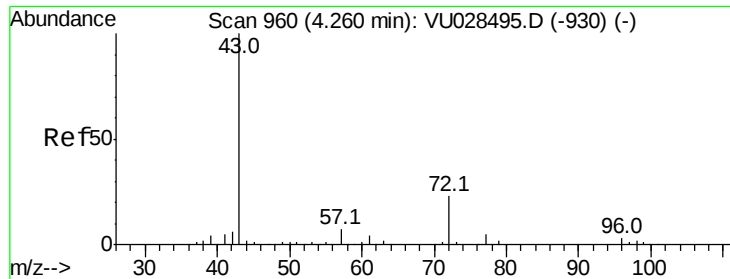
40000

20000

0

Time-->





#25

2-Butanone

Concen: 246.759 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 319614

Ion Ratio Lower Upper

43 100

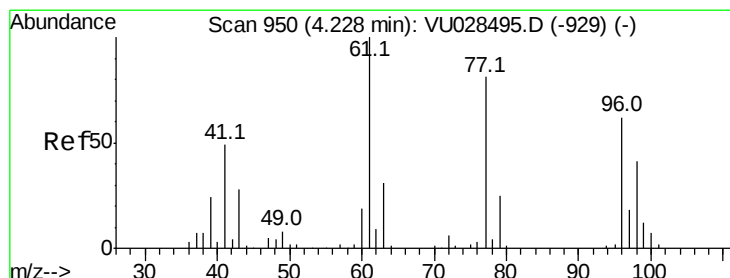
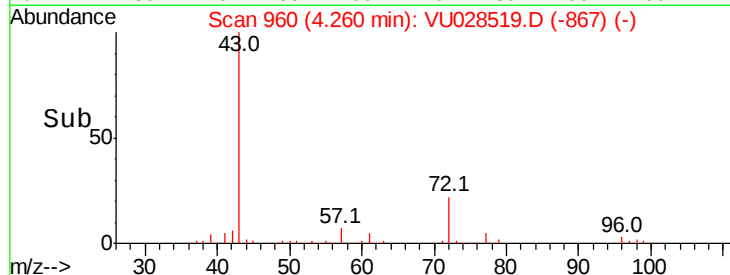
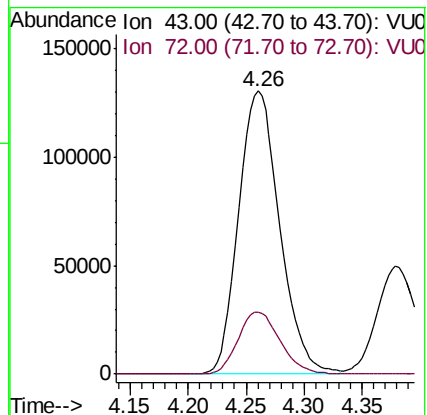
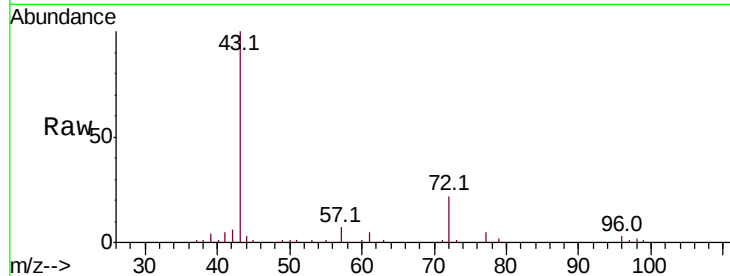
72 22.0 18.6 28.0

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#26

2,2-Dichloropropane

Concen: 46.260 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028519.D

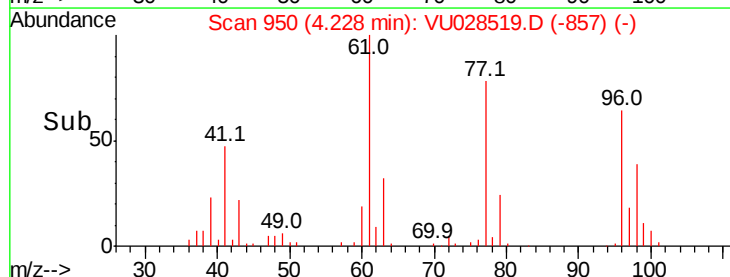
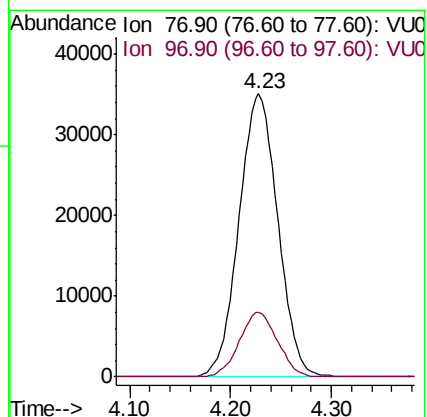
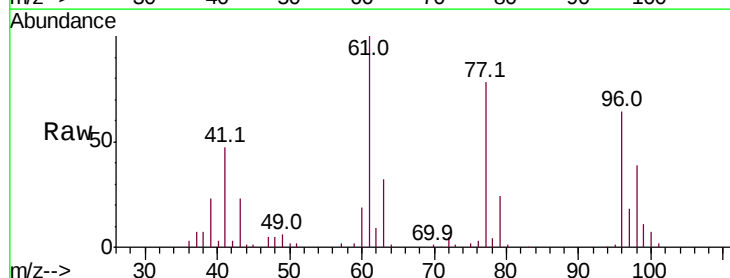
Acq: 06 Dec 2018 22:23

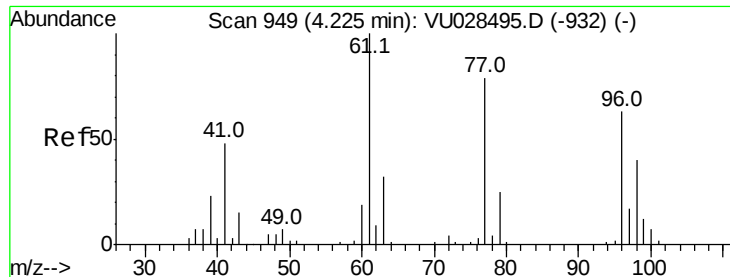
Tgt Ion: 77 Resp: 93536

Ion Ratio Lower Upper

77 100

97 22.4 11.0 33.0





#27

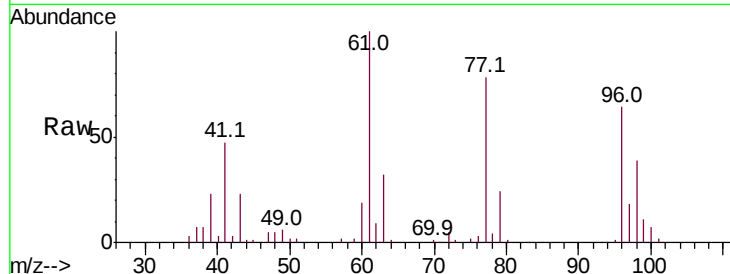
cis-1,2-Dichloroethene
Concen: 50.468 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	332.4
98	62.8	0.0	129.0

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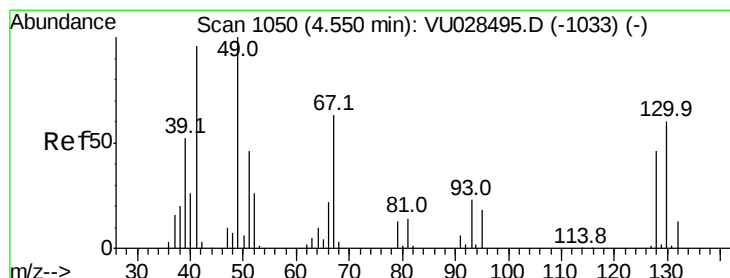
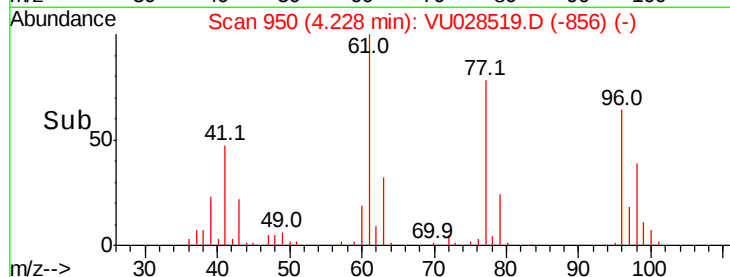
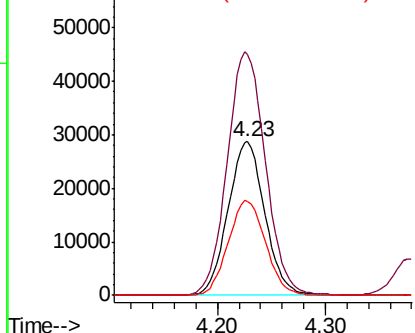


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

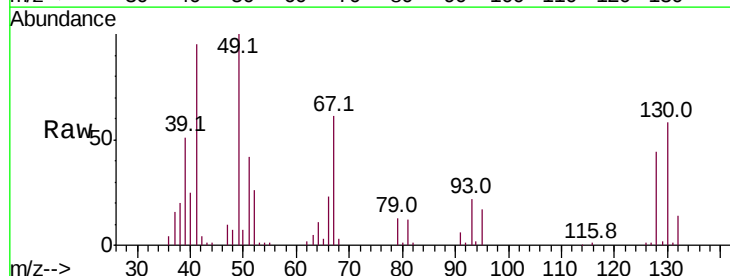
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 53.246 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	58.6	47.8	71.8

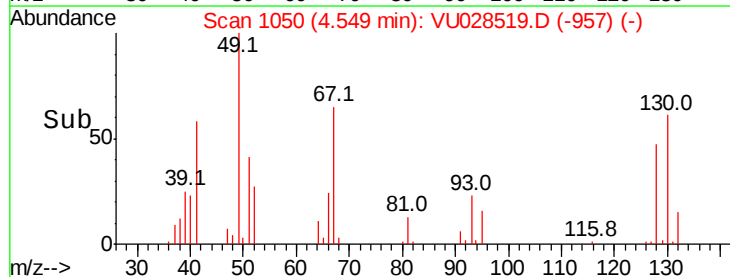
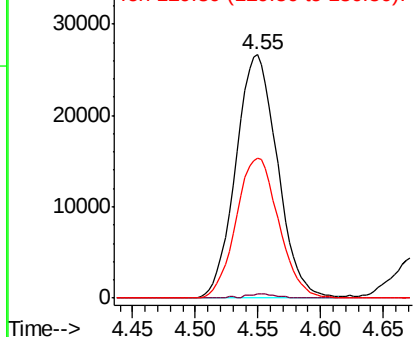


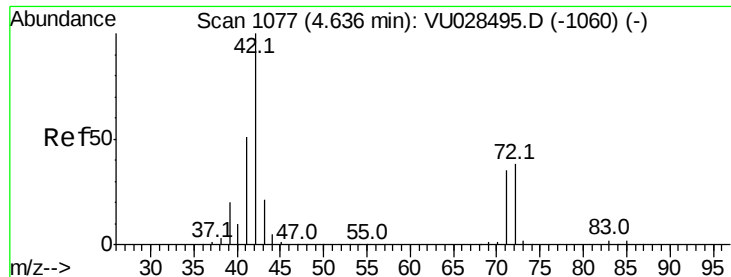
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





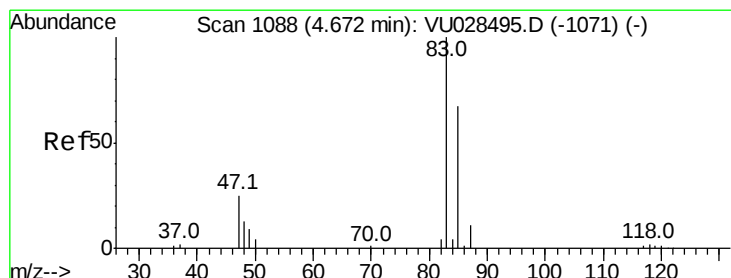
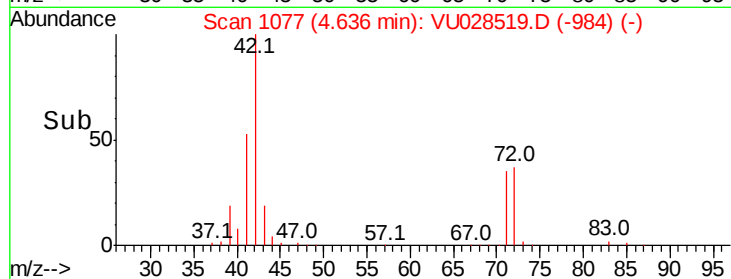
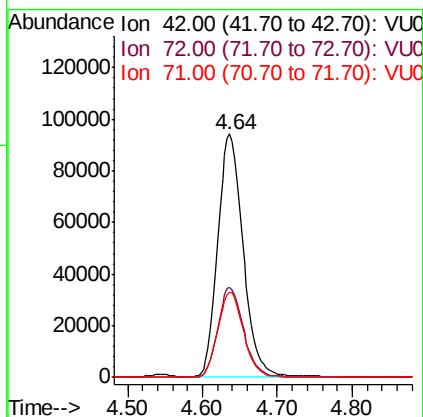
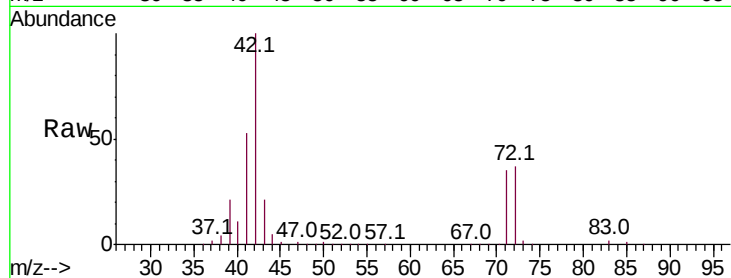
#29
Tetrahydrofuran
Concen: 265.299 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.4	47.0
71	35.7	28.6	43.0

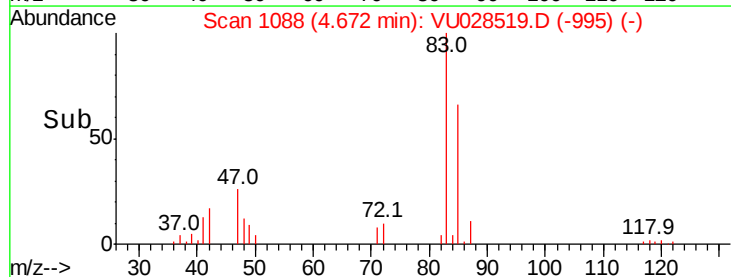
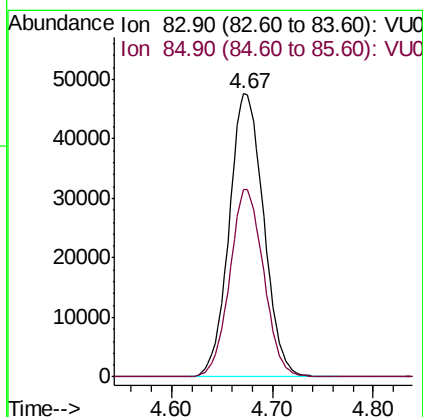
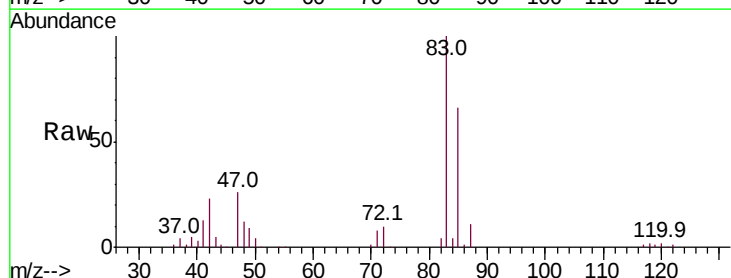
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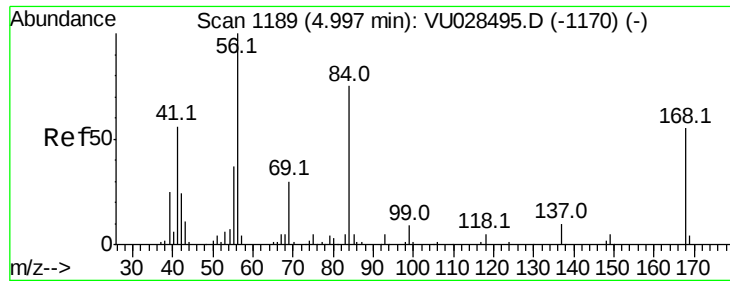
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#30
Chloroform
Concen: 50.880 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.6	80.4





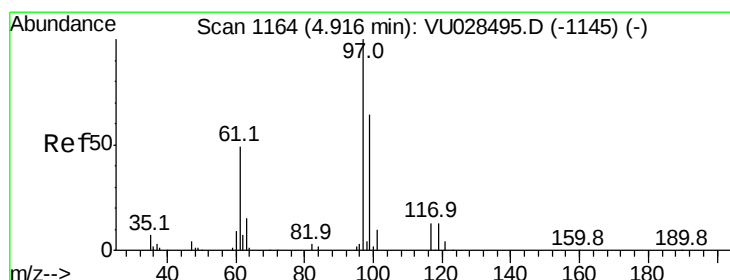
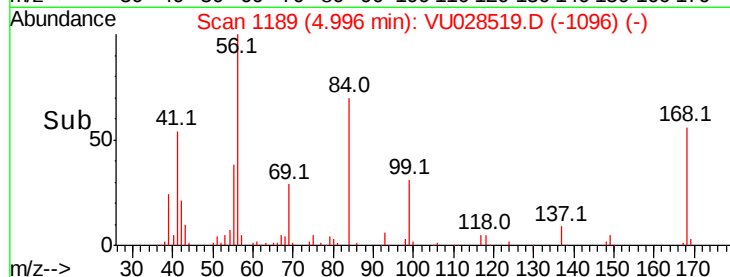
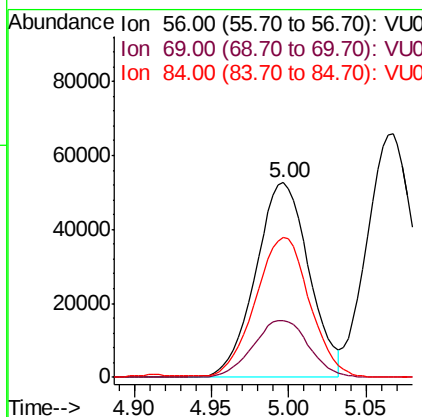
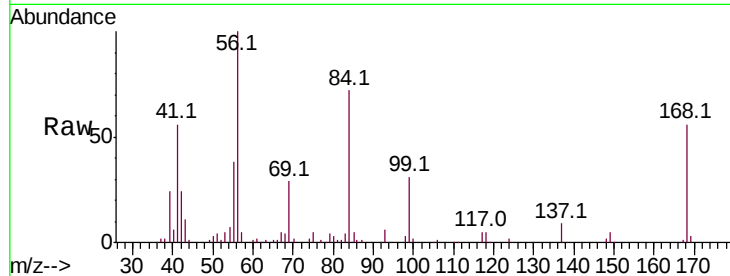
#31
Cyclohexane
Concen: 50.811 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.0	36.0
84	71.2	59.7	89.5

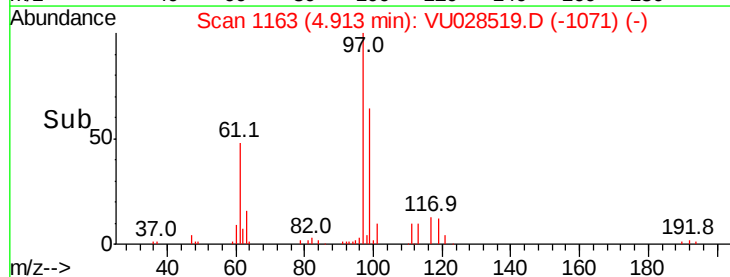
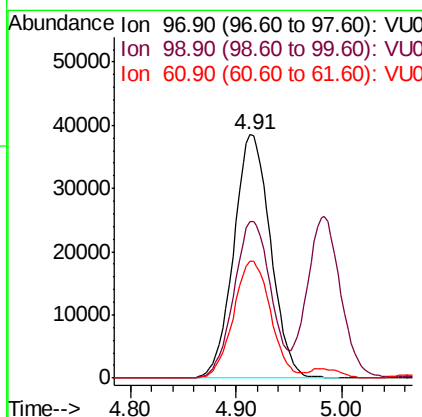
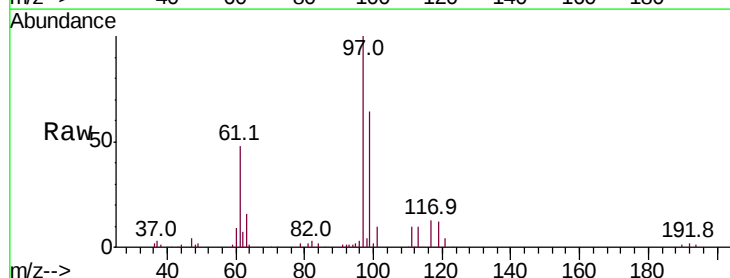
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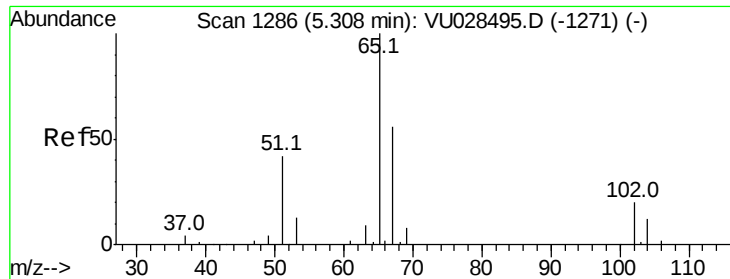
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#32
1,1,1-Trichloroethane
Concen: 50.441 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.3	78.5
61	48.6	39.0	58.6





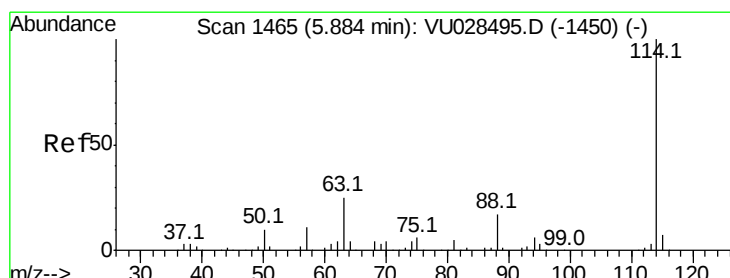
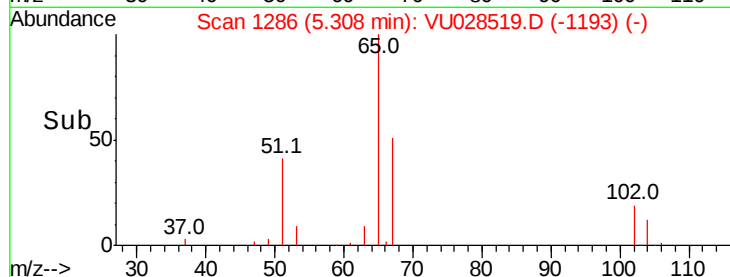
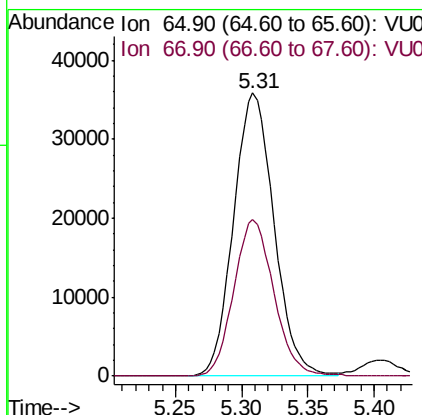
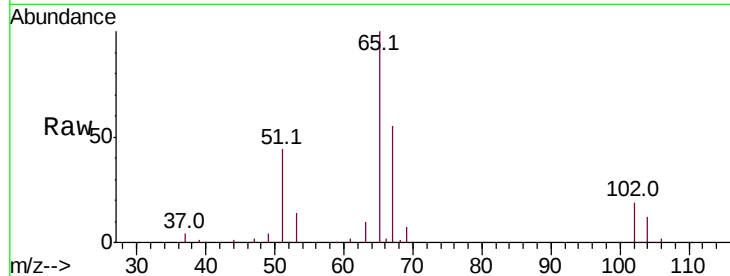
#33
 1,2-Dichloroethane-d4
 Concen: 52.495 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	110.6

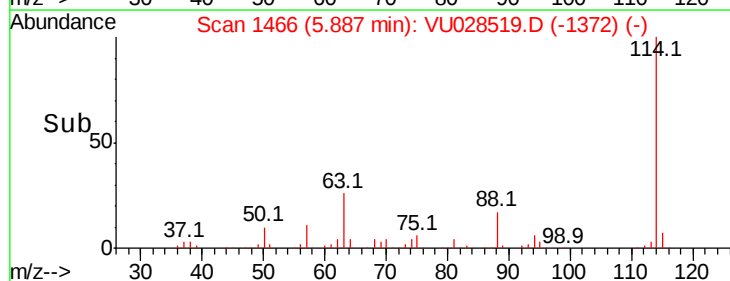
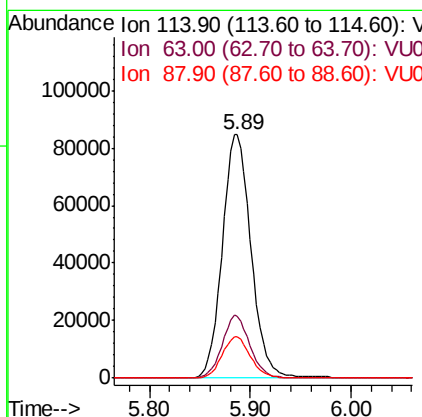
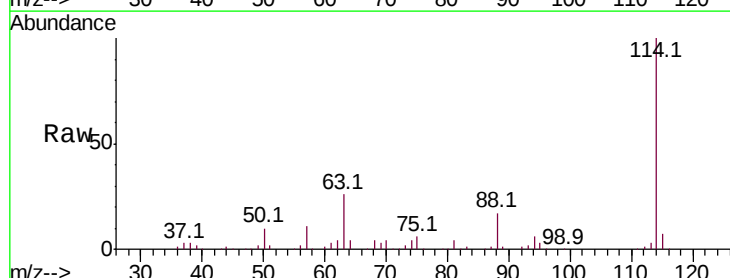
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	49.2
88	17.1	0.0	33.4





#35

Dibromofluoromethane

Concen: 51.545 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

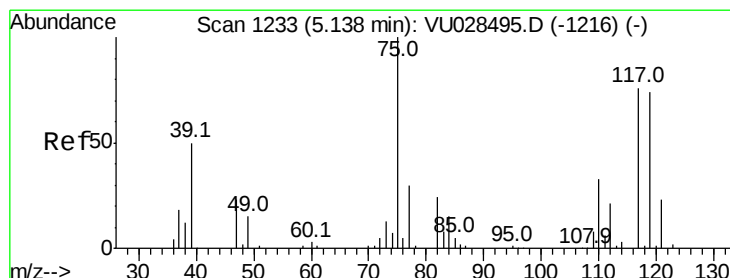
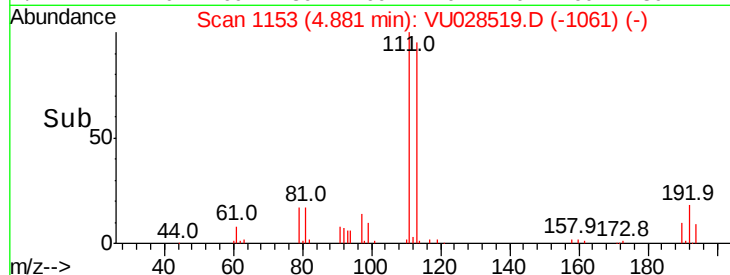
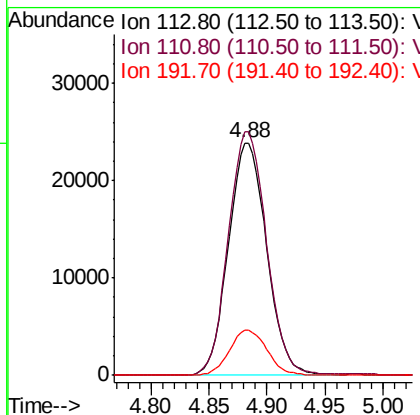
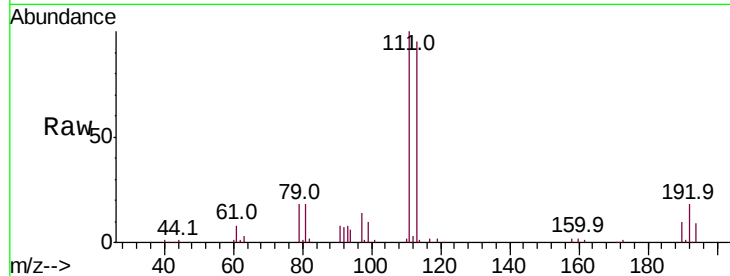
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	54629
Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.4	125.0
192	18.9	14.8	22.2

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#36

1,1-Dichloropropene

Concen: 48.456 ug/l

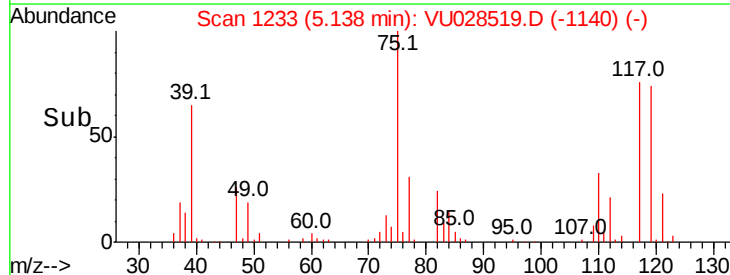
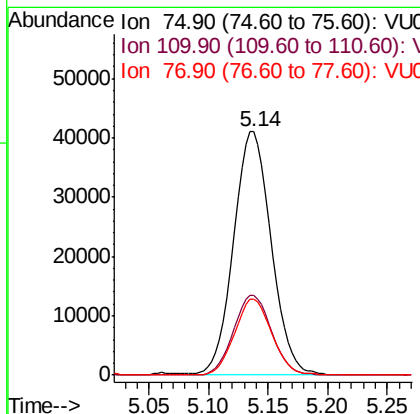
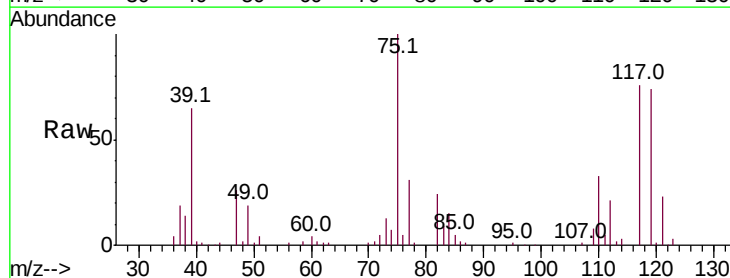
RT: 5.14 min Scan# 1233

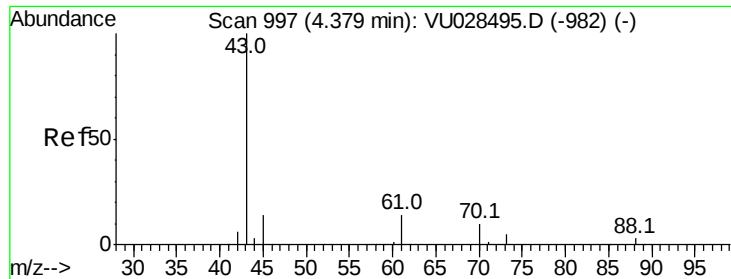
Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Tgt Ion:	75	Resp:	89300
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.1	48.2
77	31.1	24.5	36.7





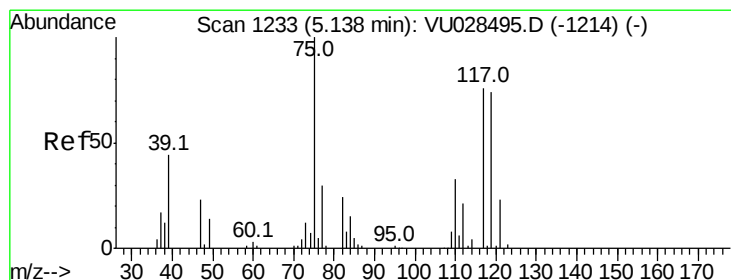
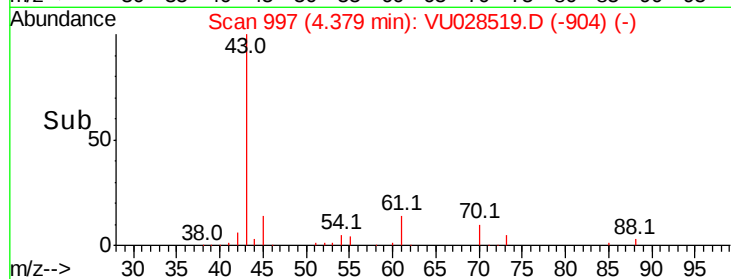
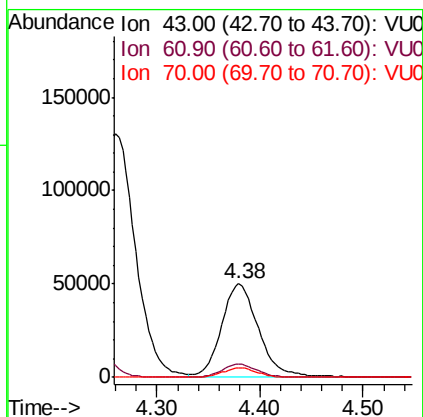
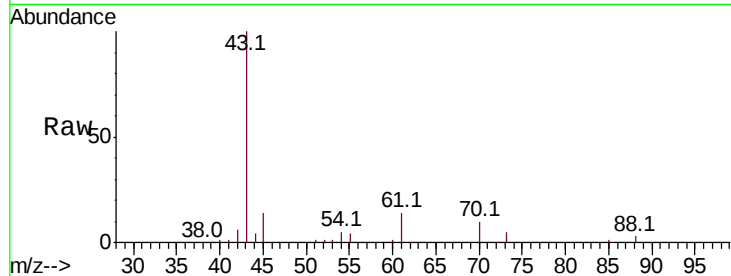
#37
Ethyl Acetate
Concen: 51.287 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	9.6	7.4	11.0

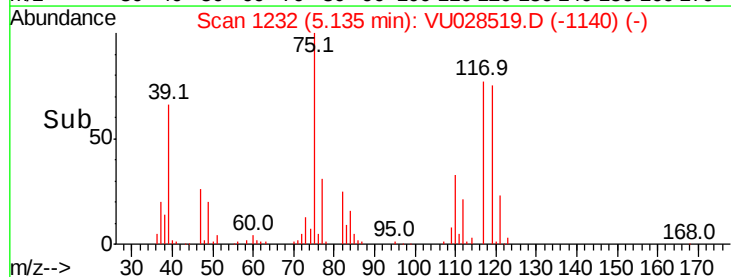
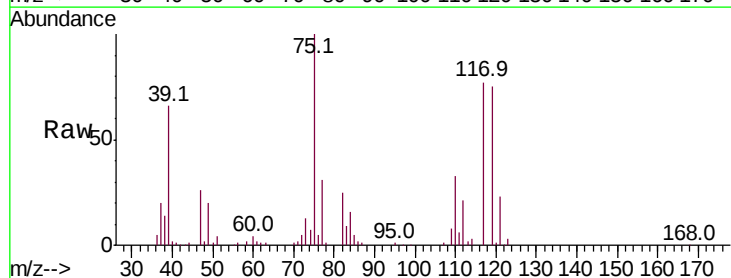
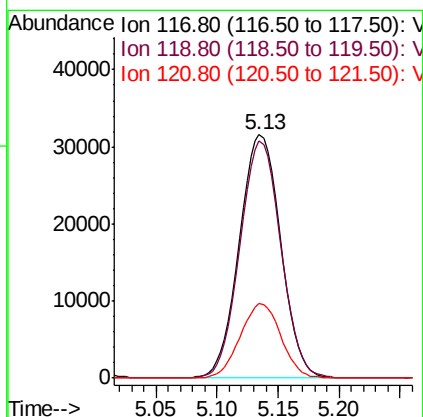
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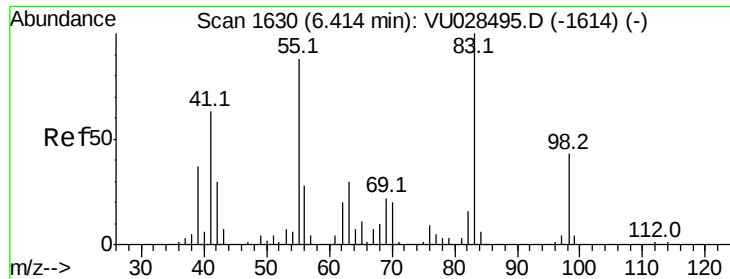
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#38
Carbon Tetrachloride
Concen: 49.876 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.6	116.4
121	30.5	24.6	36.8





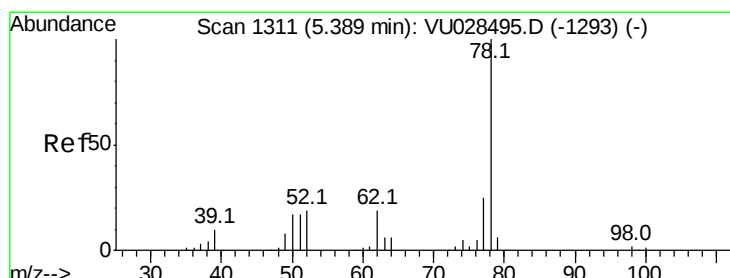
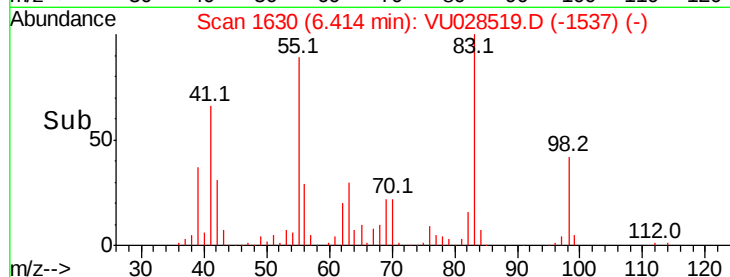
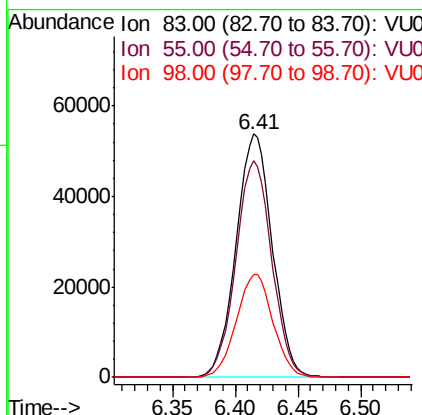
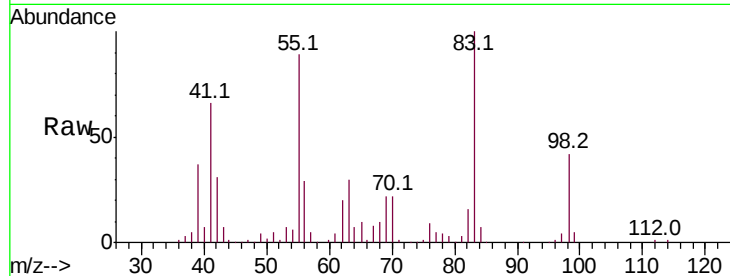
#39
Methvlcvclohexane
Concen: 48.135 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	70.2	105.2
98	42.2	34.2	51.4

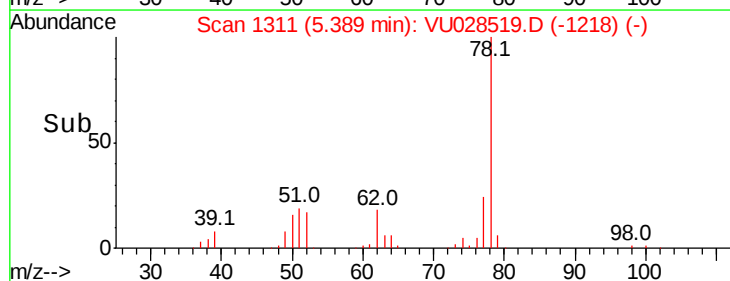
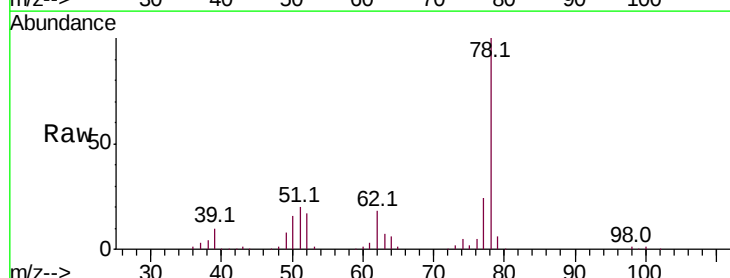
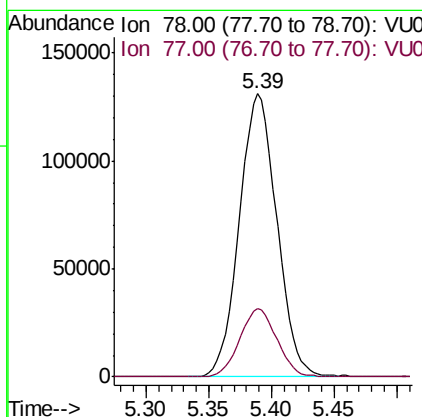
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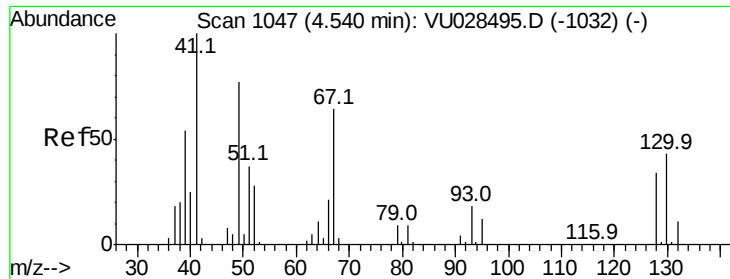
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#40
Benzene
Concen: 50.296 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.9	29.9





#41

Methacrylonitrile

Concen: 53.075 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 69245

Ion Ratio Lower Upper

41 100

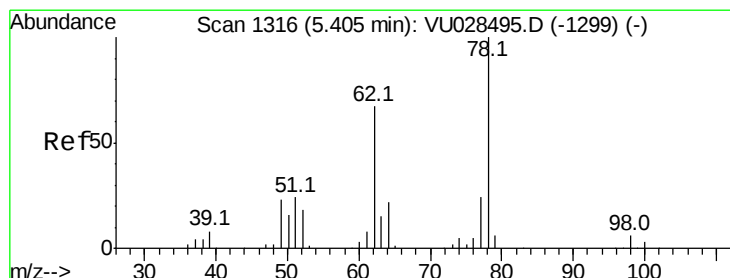
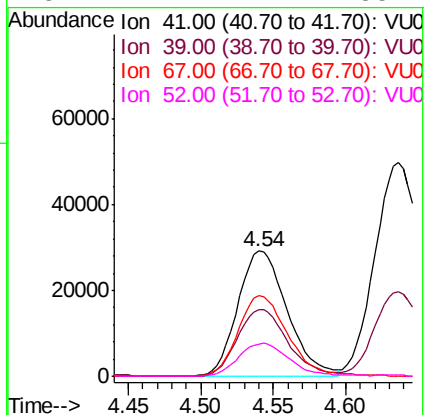
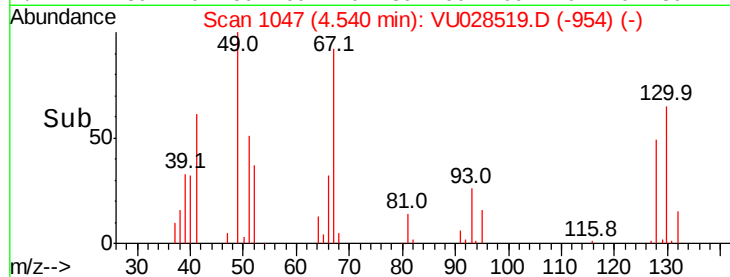
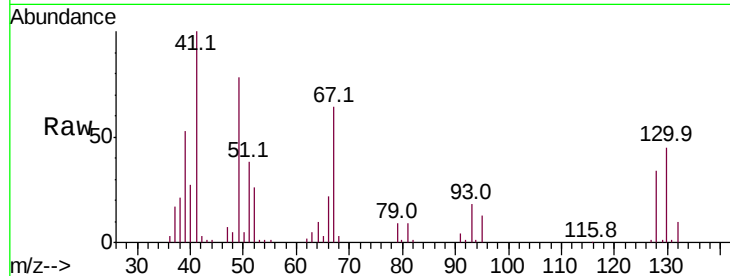
39 54.0 43.3 64.9

67 64.7 53.6 80.4

52 27.4 22.1 33.1

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#42

1,2-Dichloroethane

Concen: 50.200 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028519.D

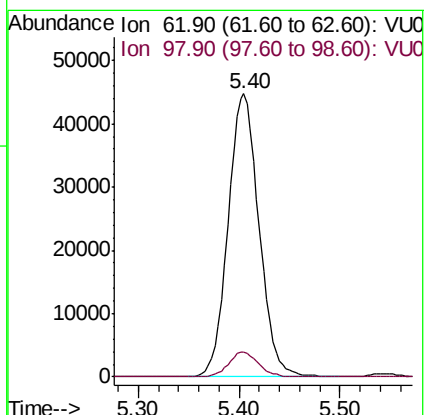
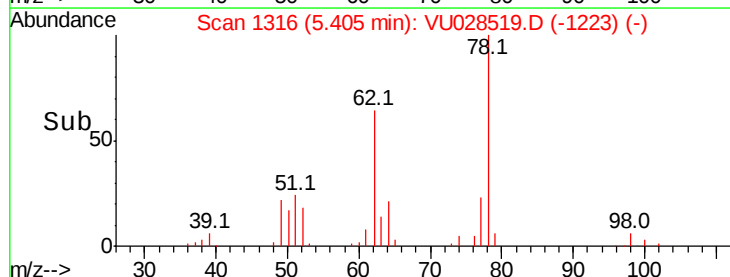
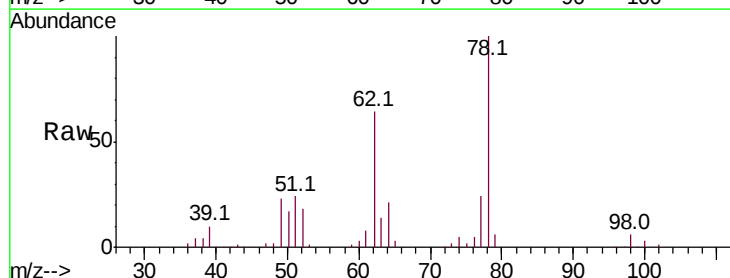
Acq: 06 Dec 2018 22:23

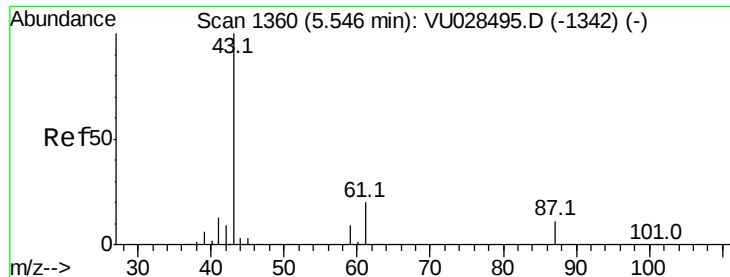
Tgt Ion: 62 Resp: 95376

Ion Ratio Lower Upper

62 100

98 8.4 0.0 17.2





#43

Isopropyl Acetate

Concen: 52.299 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

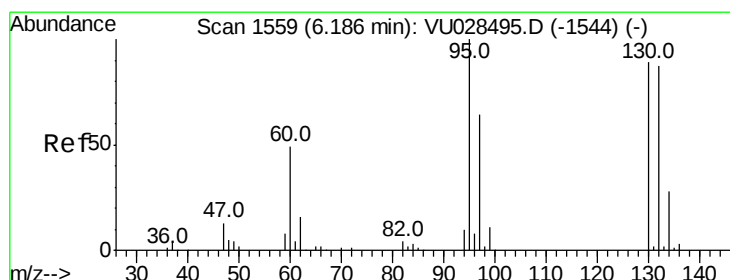
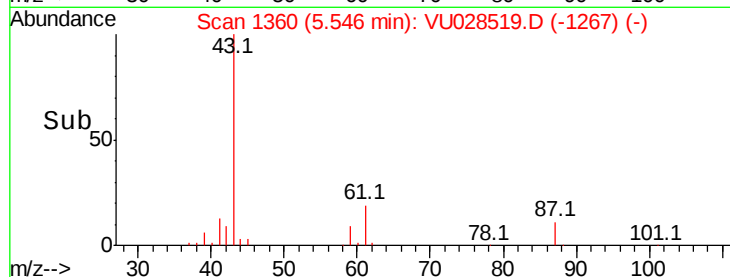
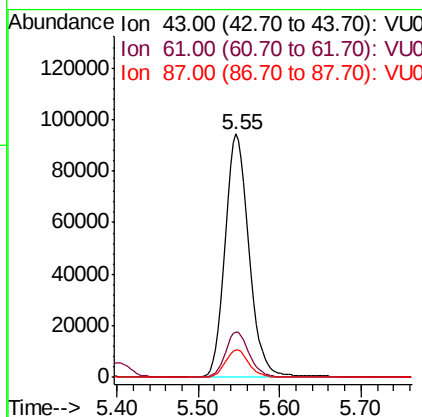
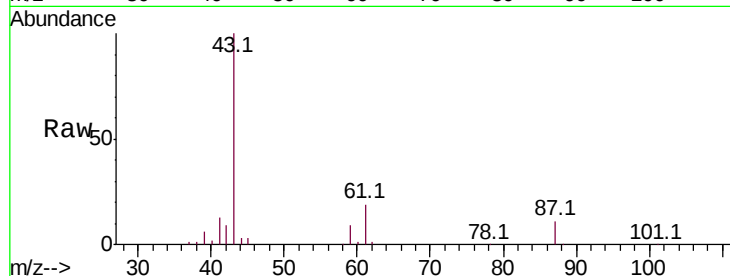
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	197067
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.5	23.3
87	11.0	8.7	13.1

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#44

Trichloroethene

Concen: 49.204 ug/l

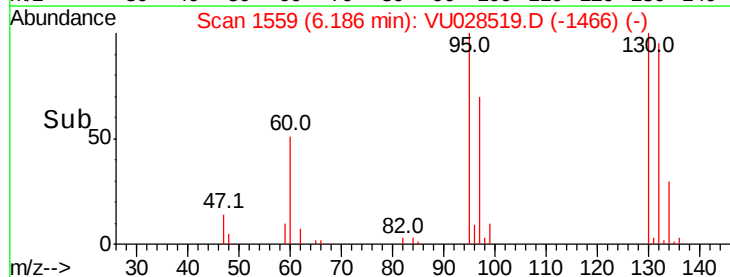
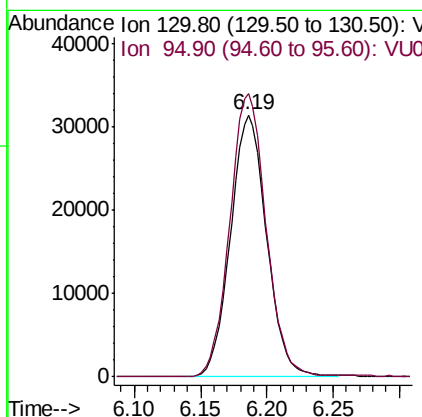
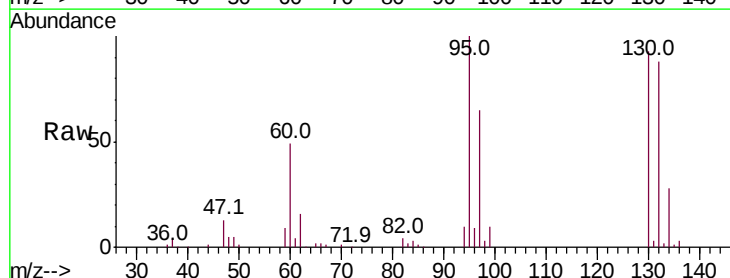
RT: 6.19 min Scan# 1559

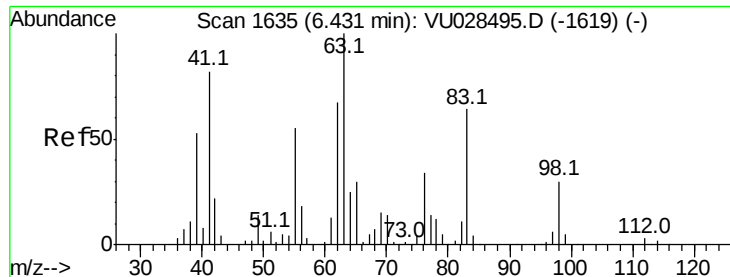
Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Tgt Ion:	130	Resp:	59382
Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	224.0





#45

1,2-Dichloropropane

Concen: 51.601 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 78760

Ion Ratio Lower Upper

63 100

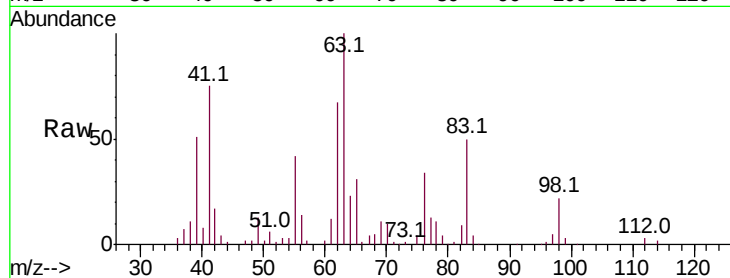
65 30.8 24.2 36.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

40000

30000

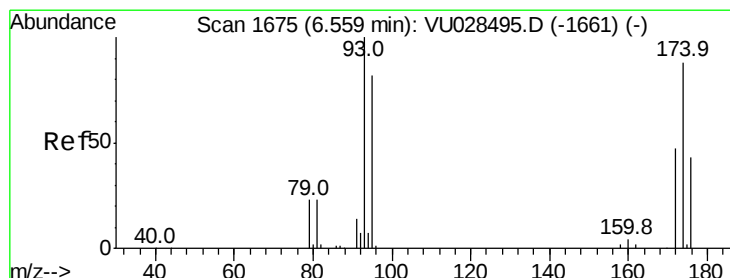
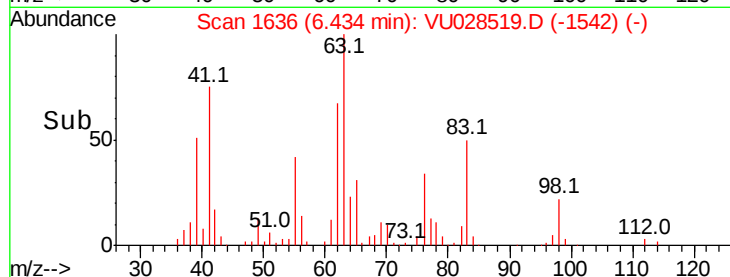
20000

10000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#46

Dibromomethane

Concen: 50.155 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

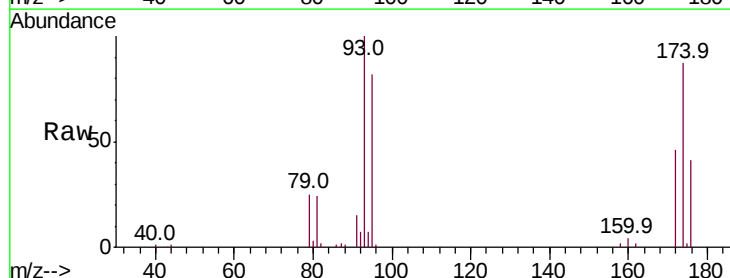
Tgt Ion: 93 Resp: 45421

Ion Ratio Lower Upper

93 100

95 83.7 65.4 98.2

174 88.5 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

30000

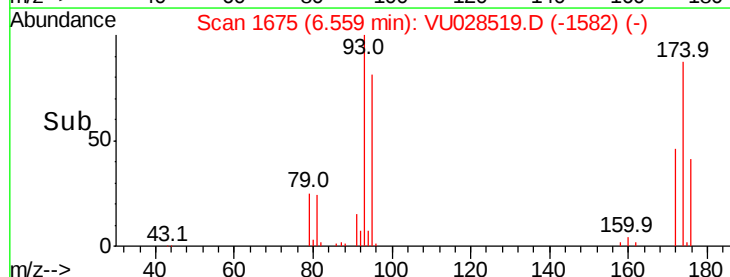
20000

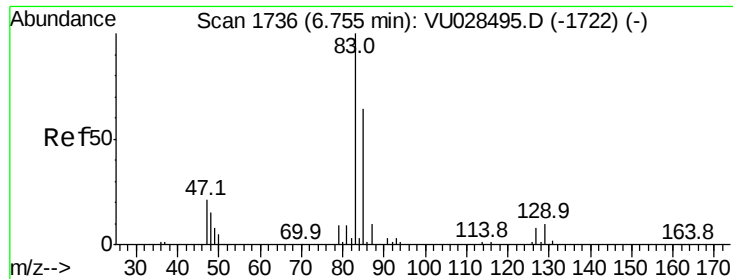
10000

0

6.50 6.55 6.60 6.65

Time-->





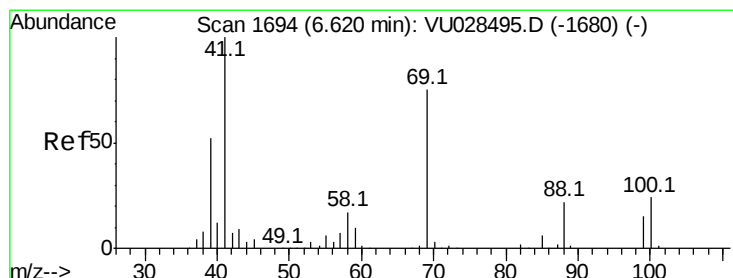
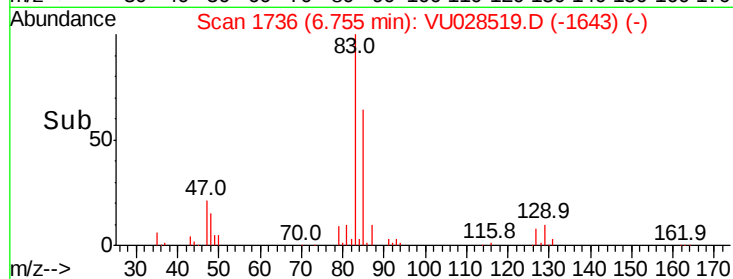
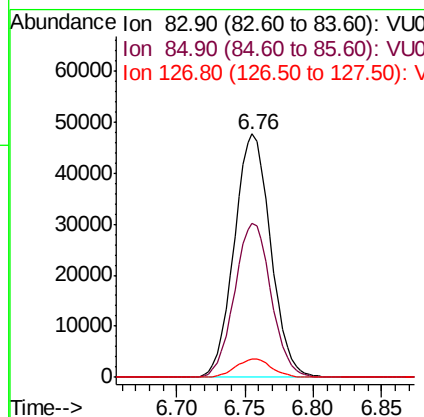
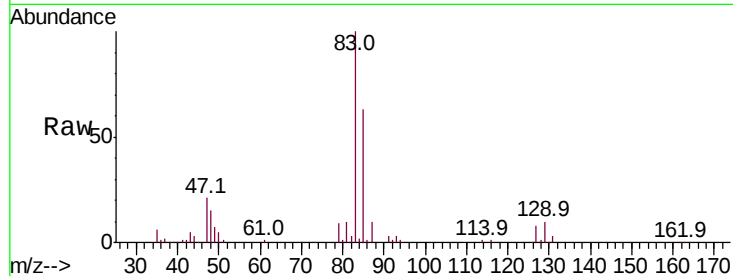
#47
Bromodichloromethane
Concen: 50.206 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	88477
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	51.5	77.3
127	7.5	6.2	9.4

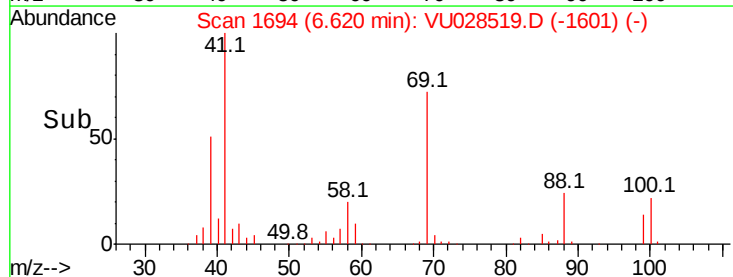
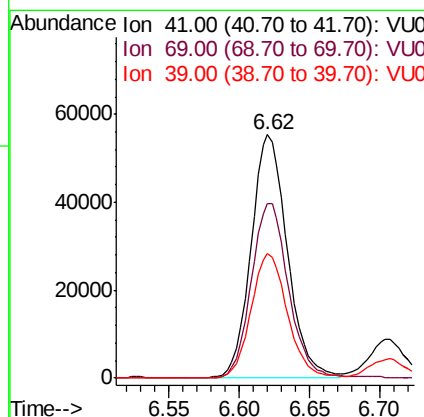
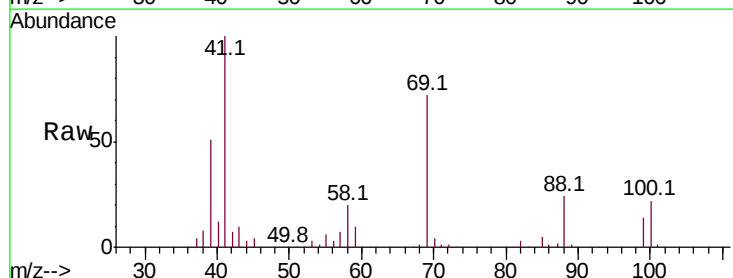
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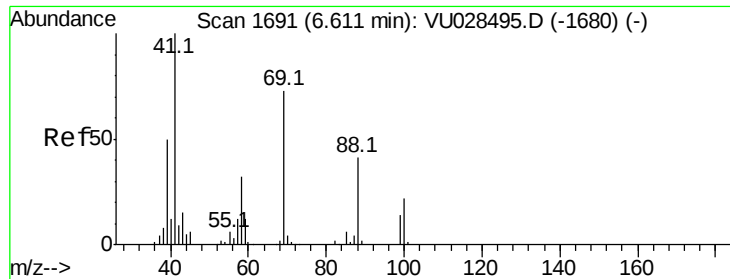
MMDadoda
12/7/2018 10:35:29 AM



#48
Methyl methacrylate
Concen: 53.184 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	41	Resp	99662
Ion Ratio	100	Lower	Upper
41	100		
69	74.2	60.4	90.6
39	51.6	41.1	61.7





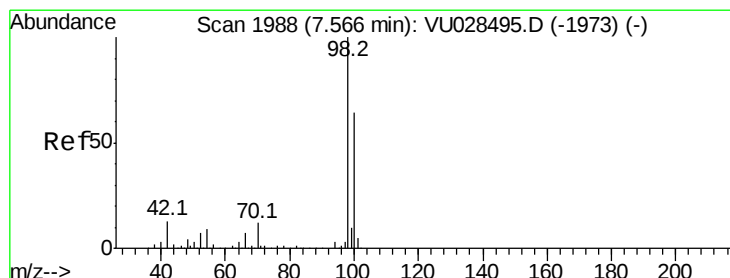
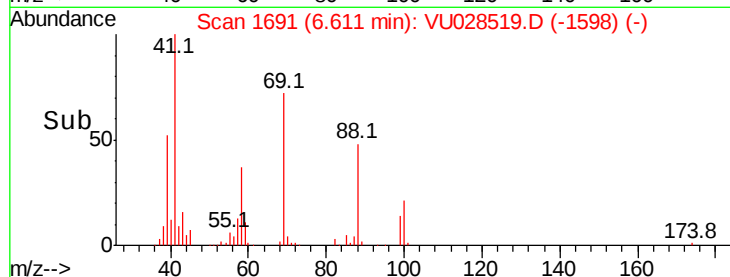
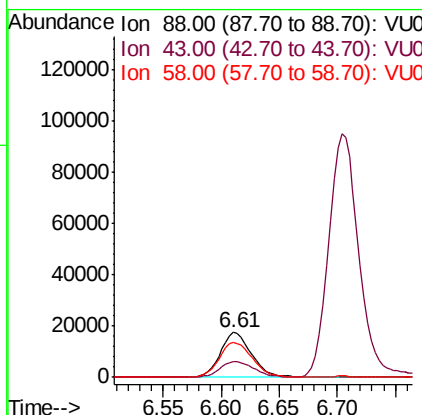
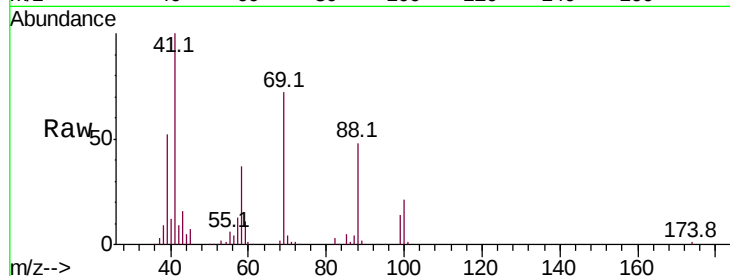
#49
1,4-Dioxane
Concen: 1110.679 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	30.9	46.3
58	82.6	62.4	93.6

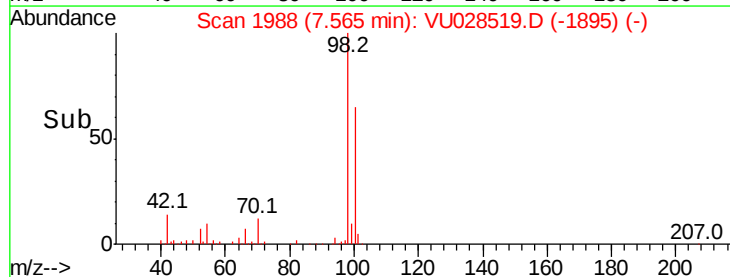
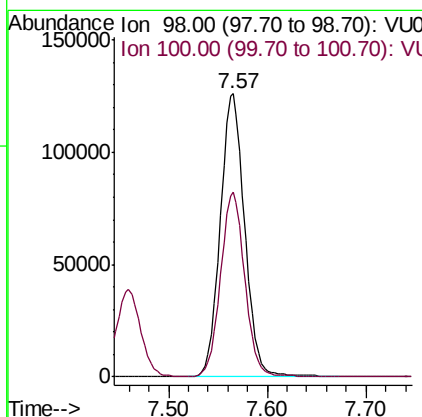
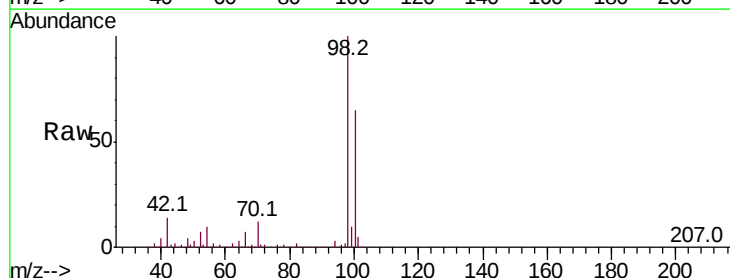
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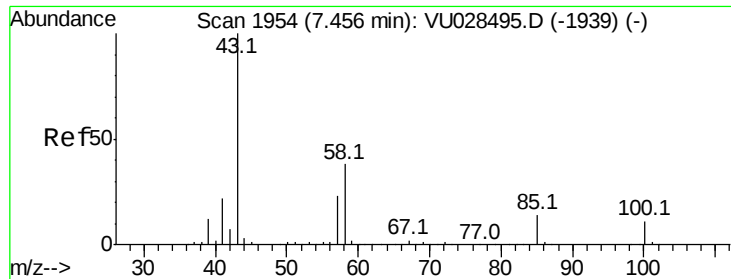
MMDadoda
12/7/2018 10:35:29 AM



#50
Toluene-d8
Concen: 52.401 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 260.591 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 619319

Ion Ratio Lower Upper

43 100

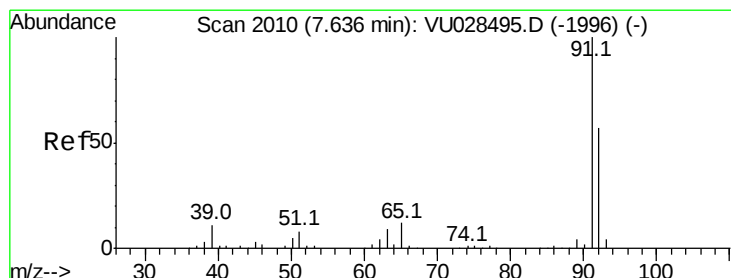
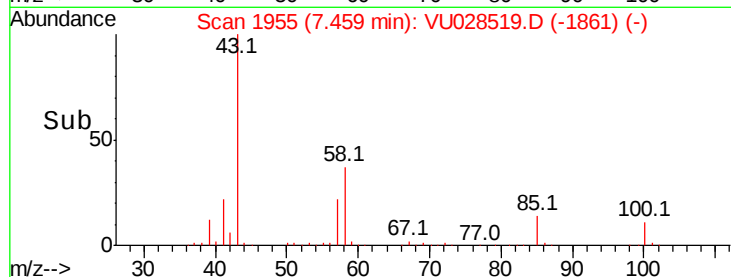
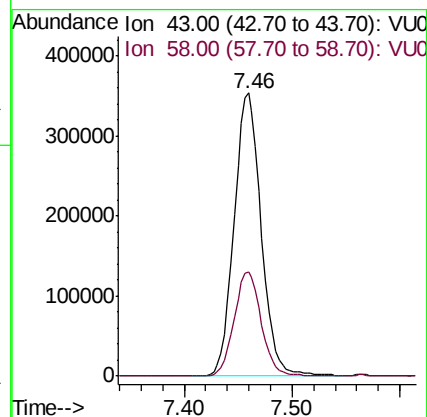
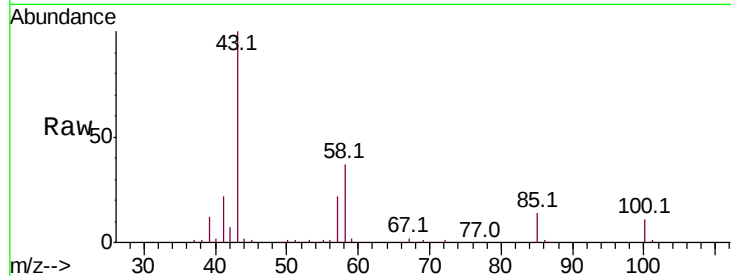
58 36.9 30.2 45.2

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#52

Toluene

Concen: 50.572 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028519.D

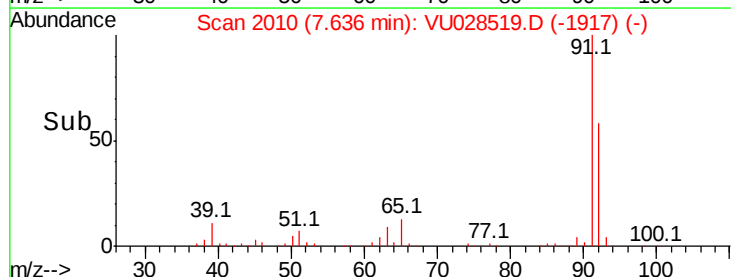
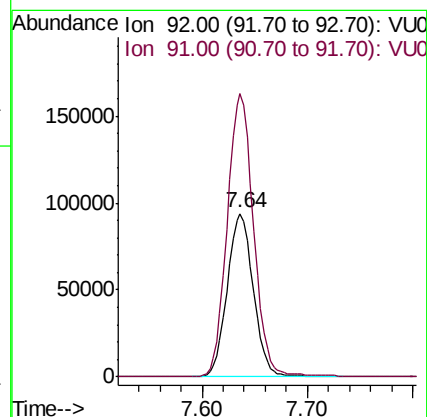
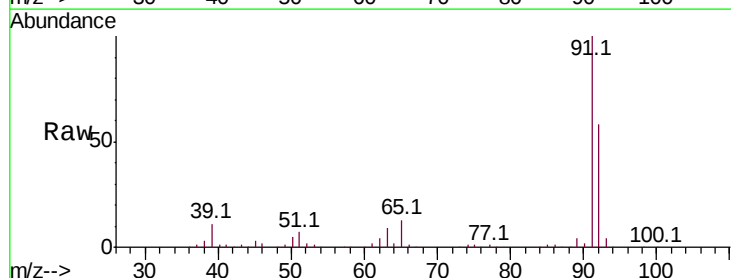
Acq: 06 Dec 2018 22:23

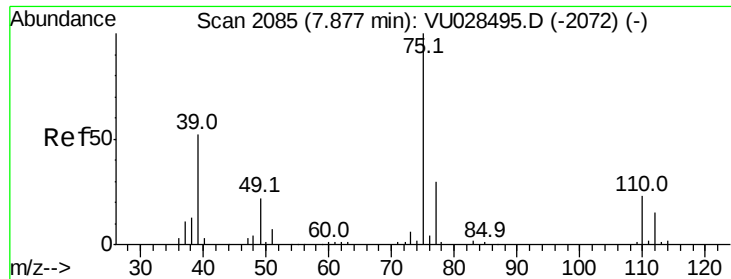
Tgt Ion: 92 Resp: 161546

Ion Ratio Lower Upper

92 100

91 174.8 140.2 210.4





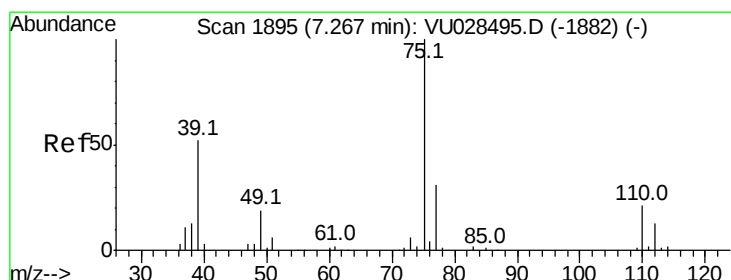
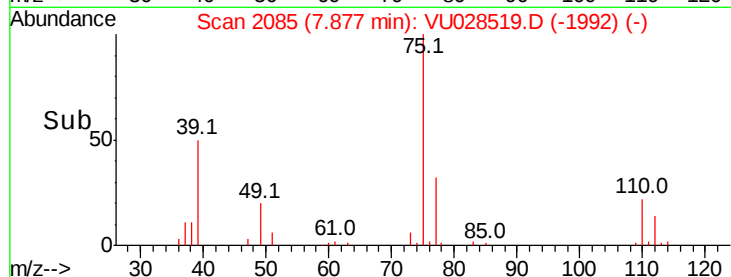
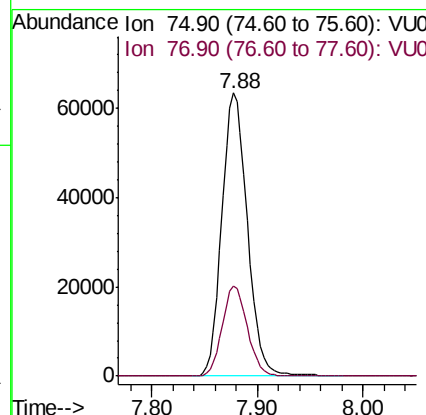
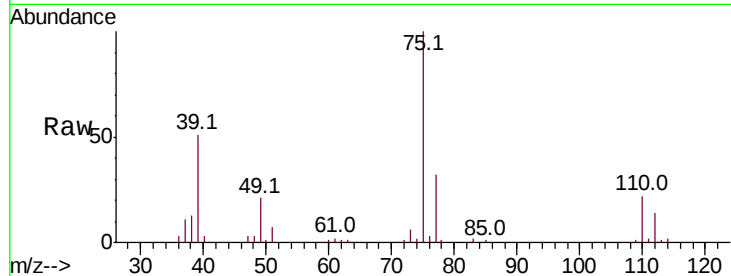
#53
 t-1,3-Dichloropropene
 Concen: 50.695 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.2	36.4

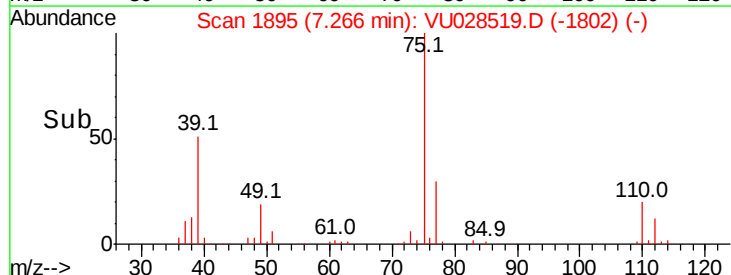
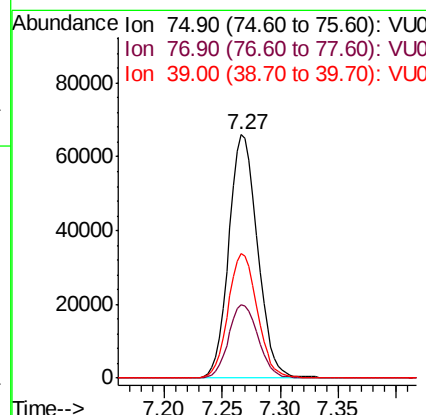
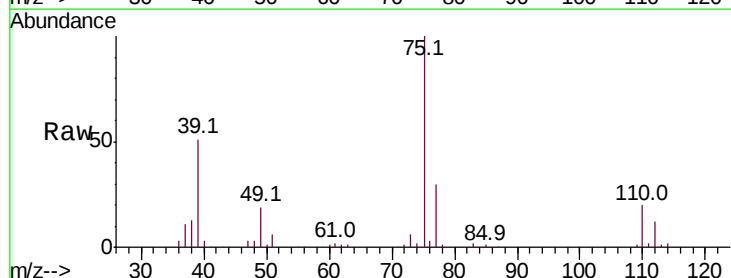
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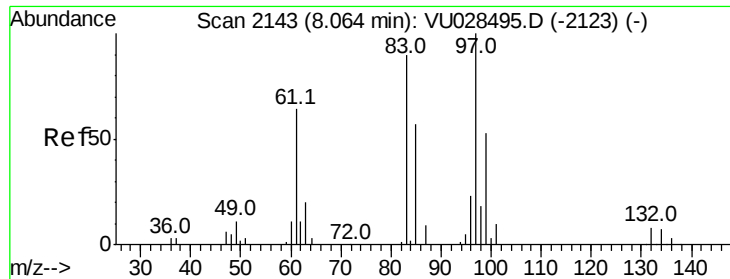
MMDadoda
 12/7/2018 10:35:29 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.917 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.0	37.4
39	51.1	41.3	61.9





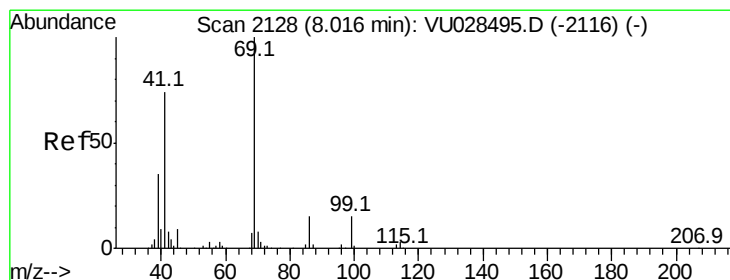
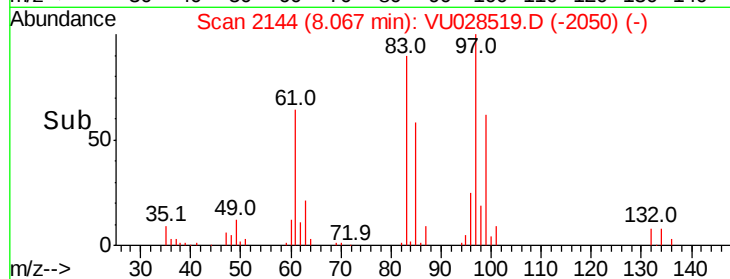
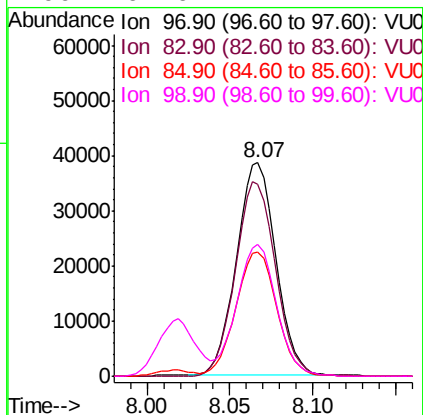
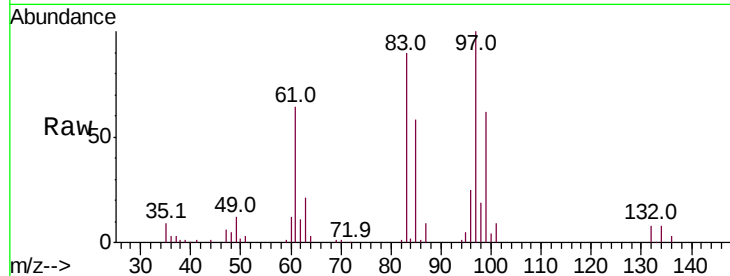
#55
 1,1,2-Trichloroethane
 Concen: 50.642 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	63945
Ion	Ratio	Lower	Upper
97	100		
83	90.5	72.4	108.6
85	58.4	46.0	69.0
99	61.6	47.4	71.2

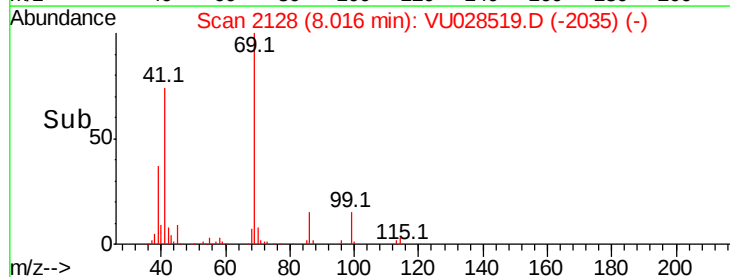
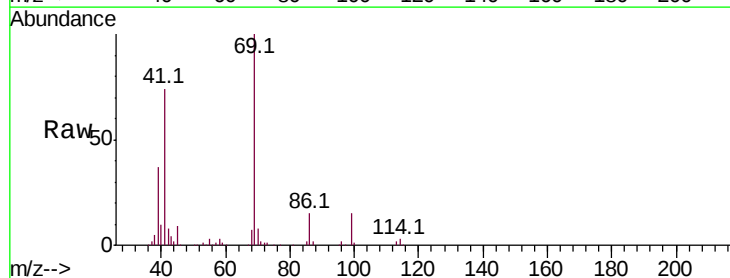
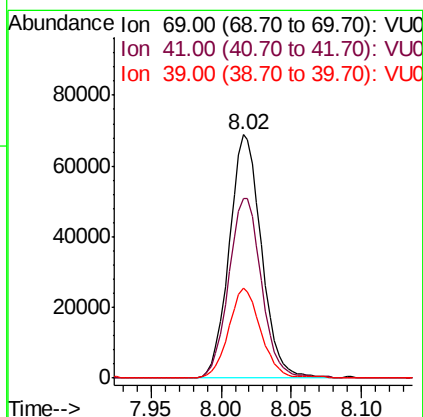
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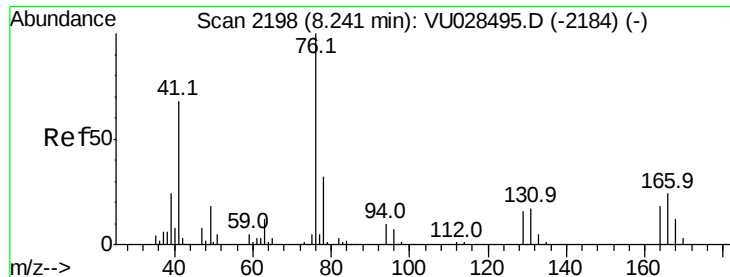
MMDadoda
 12/7/2018 10:35:29 AM



#56
 Ethyl methacrylate
 Concen: 50.898 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion:	69	Resp:	110057
Ion	Ratio	Lower	Upper
69	100		
41	75.4	59.1	88.7
39	37.6	28.4	42.6





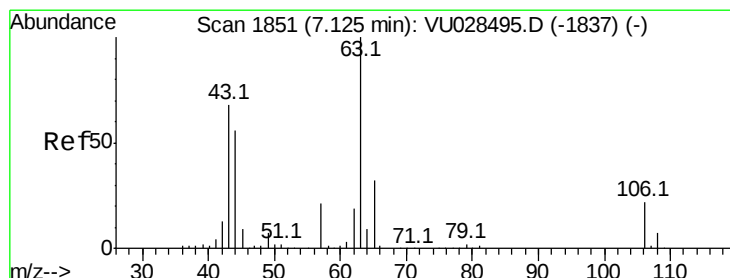
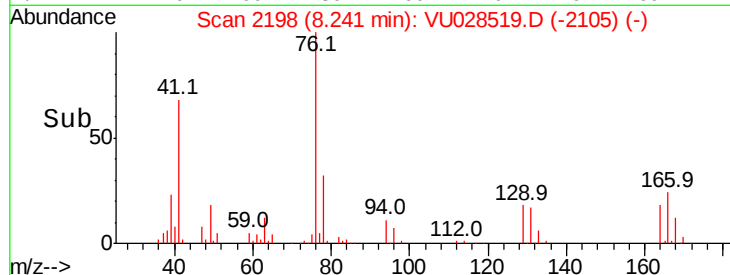
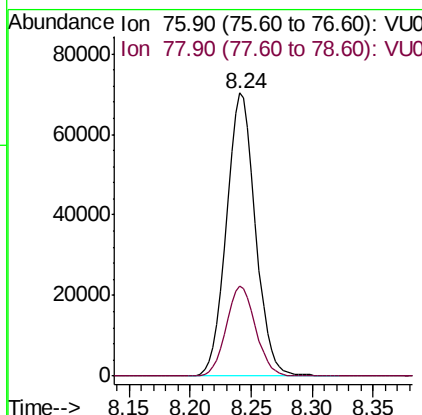
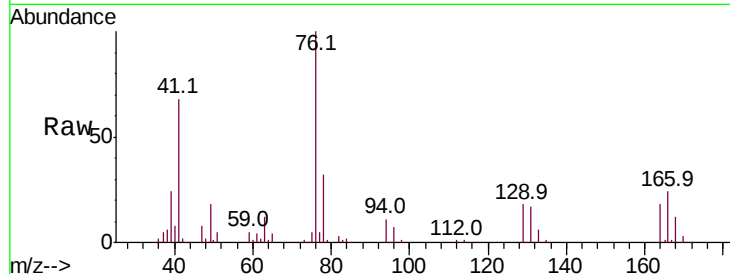
#57
 1,3-Dichloropropane
 Concen: 49.892 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 116943
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

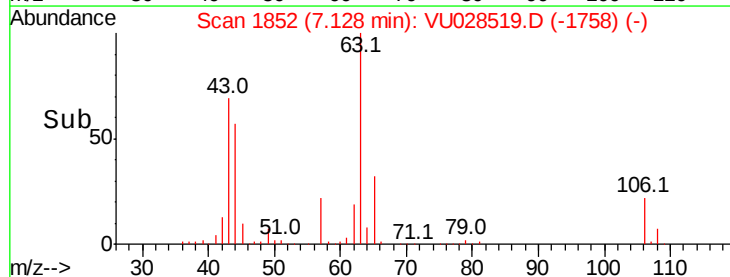
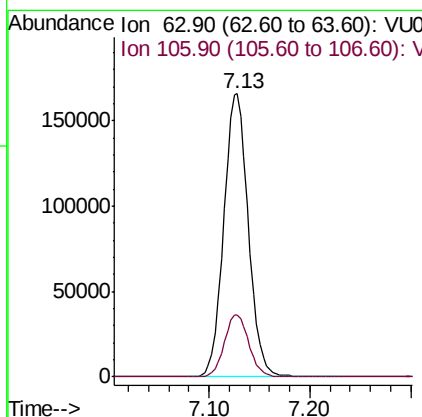
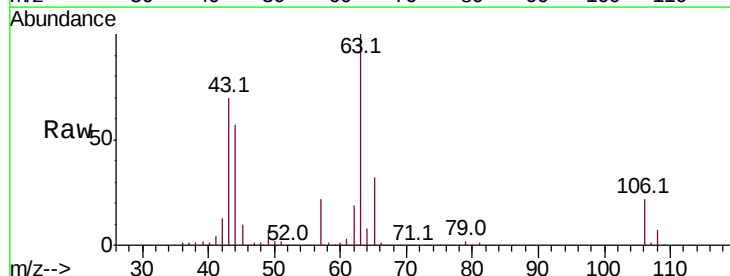
Manual Integrations
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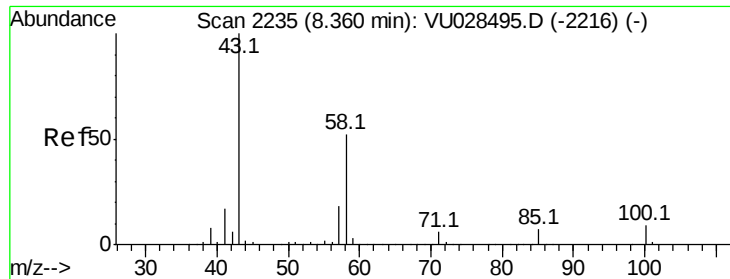
MMDadoda
 12/7/2018 10:35:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.174 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion: 63 Resp: 281508
 Ion Ratio Lower Upper
 63 100
 106 21.9 17.8 26.6





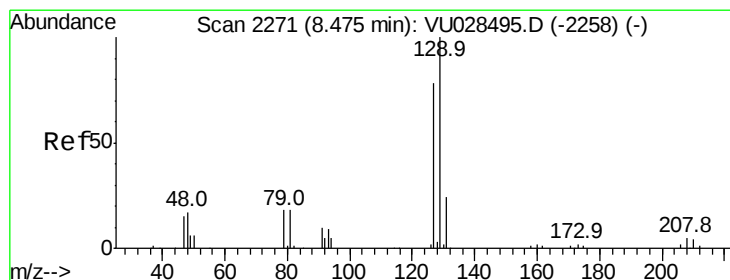
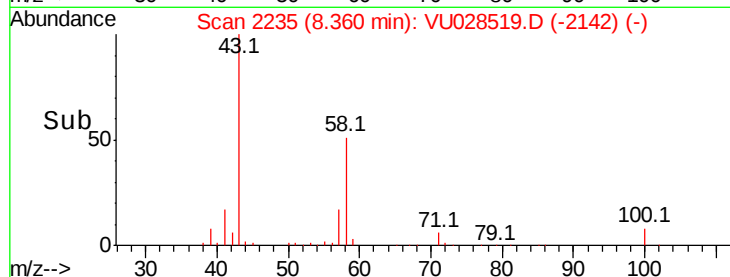
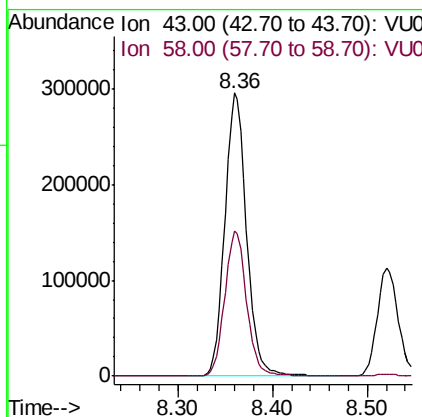
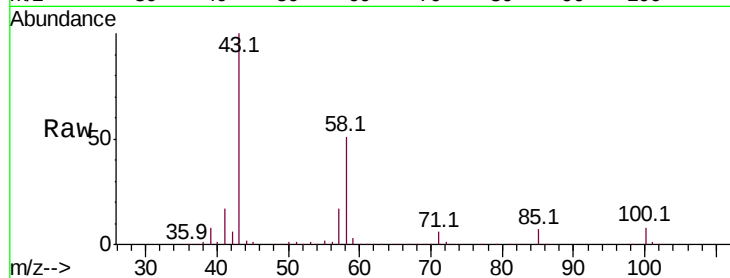
#59
2-Hexanone
Concen: 250.127 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 471165
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.6

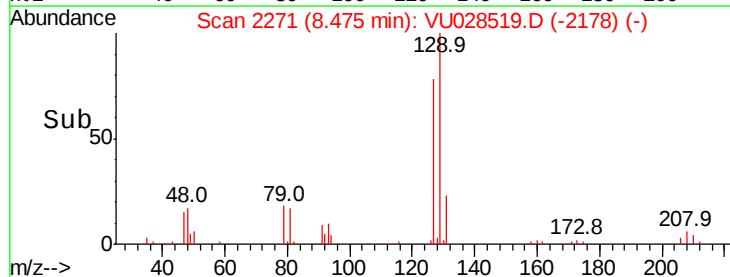
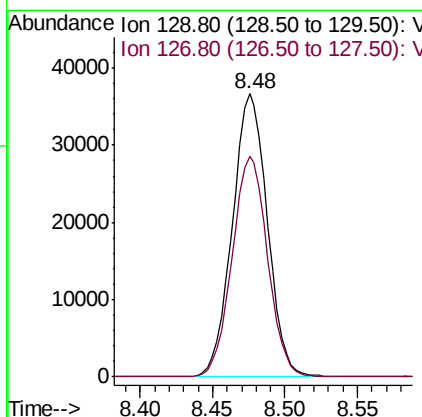
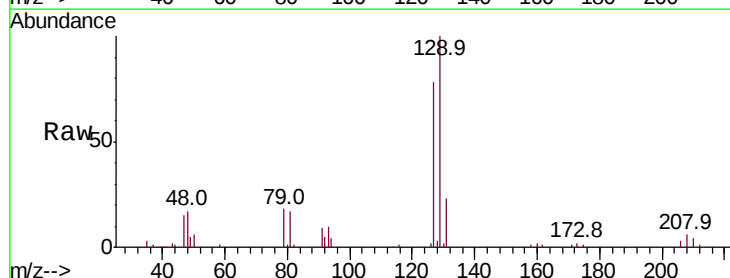
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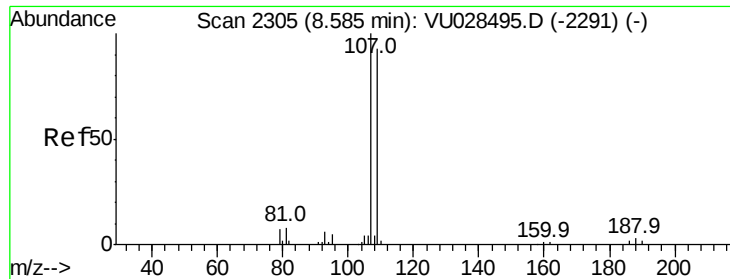
MMDadoda
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#60
Dibromochloromethane
Concen: 49.635 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 129 Resp: 61362
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.3





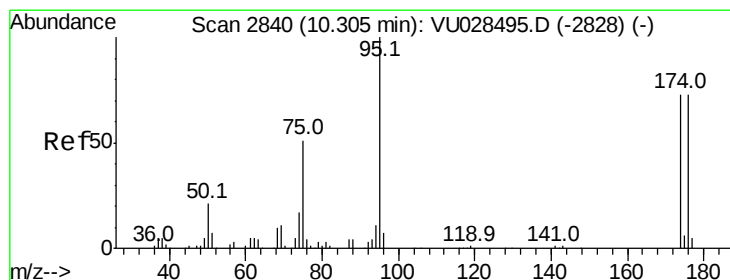
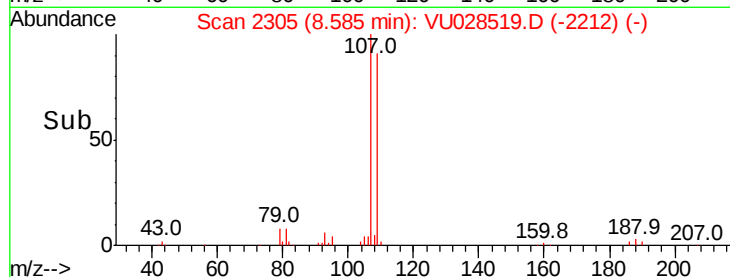
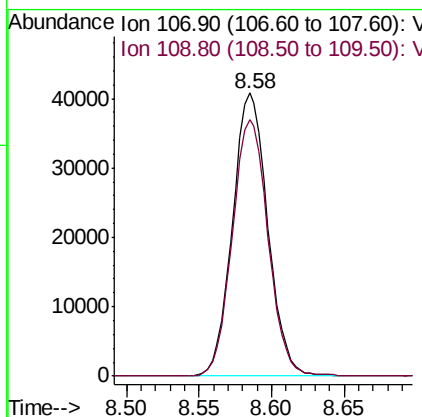
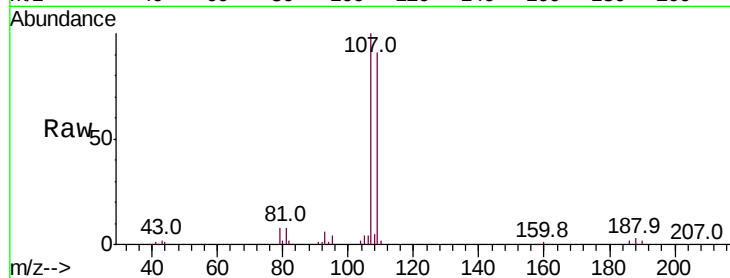
#61
 1,2-Dibromoethane
 Concen: 51.921 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.5	111.7

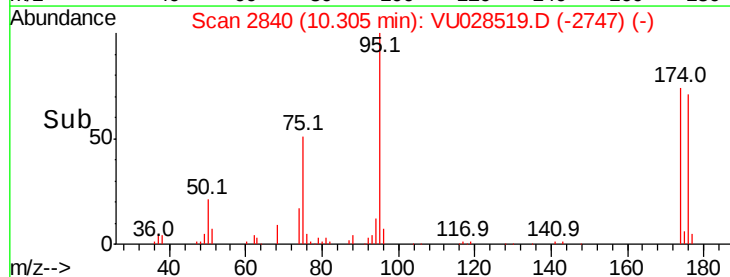
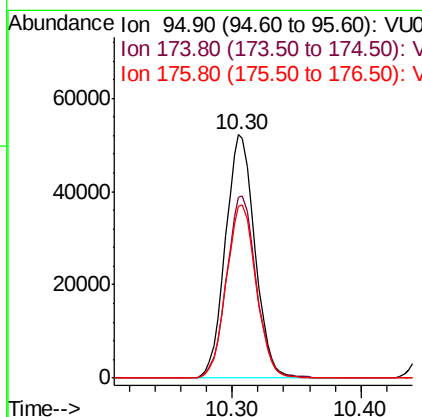
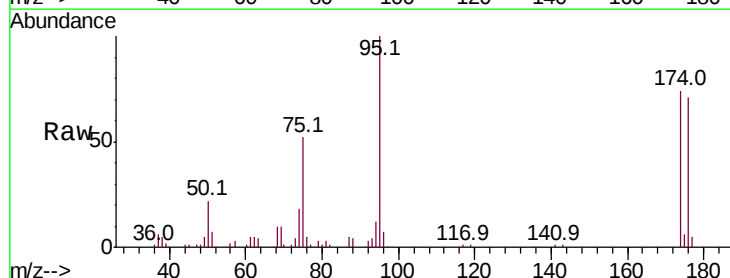
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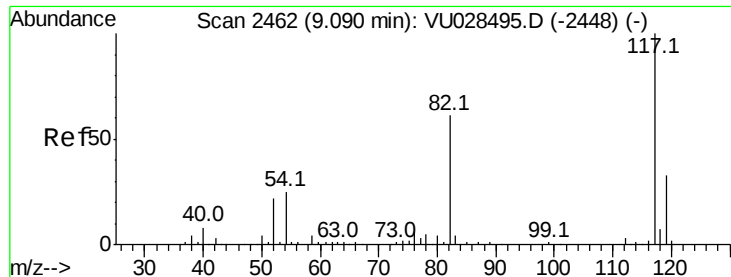
MMDadoda
 12/7/2018 10:35:29 AM



#62
 4-Bromofluorobenzene
 Concen: 52.758 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.4
176	72.2	0.0	145.2





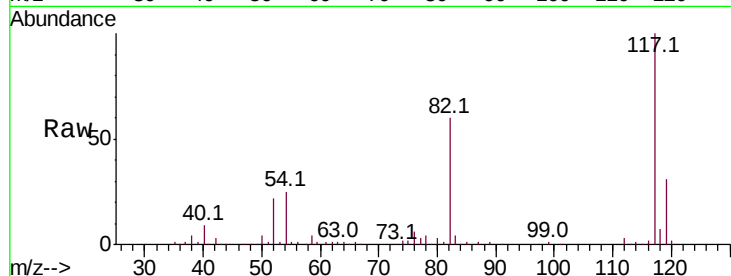
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

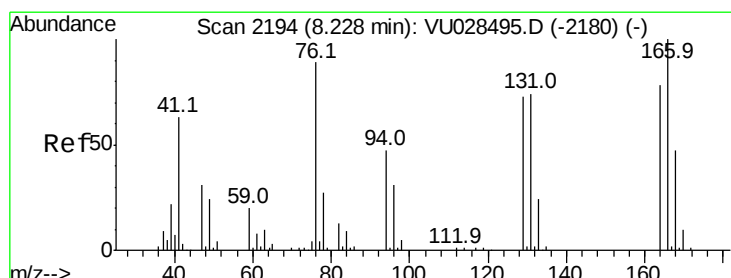
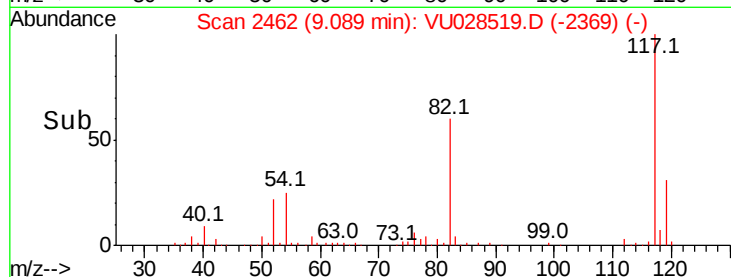
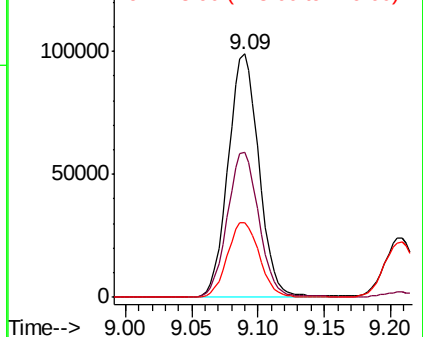
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	48.9	73.3
119	30.6	26.2	39.4

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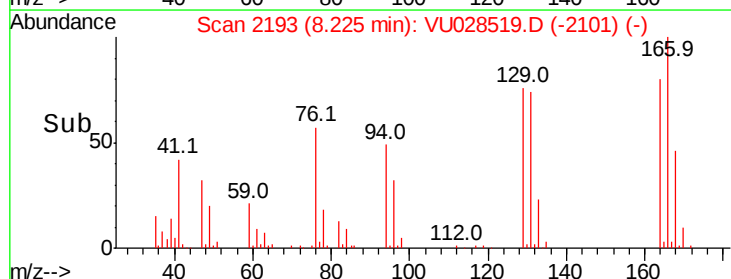
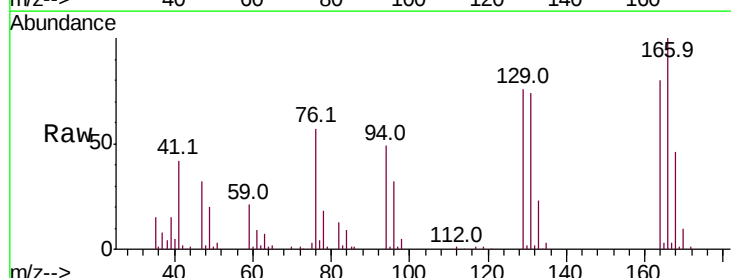
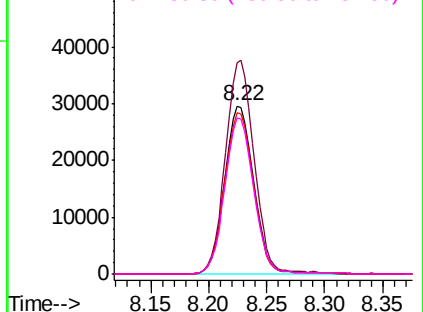
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

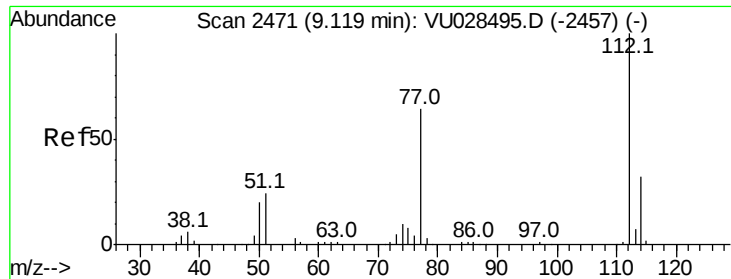


#64
Tetrachloroethene
Concen: 47.921 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	101.9	152.9
129	95.8	74.9	112.3
131	92.6	75.4	113.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





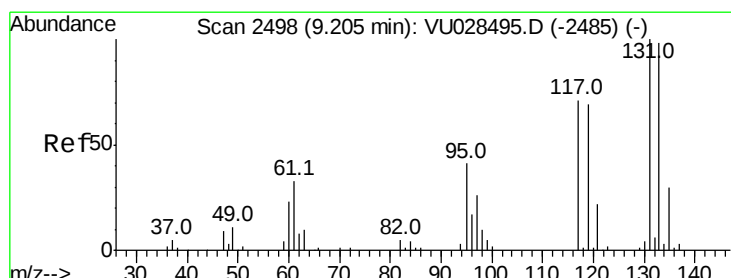
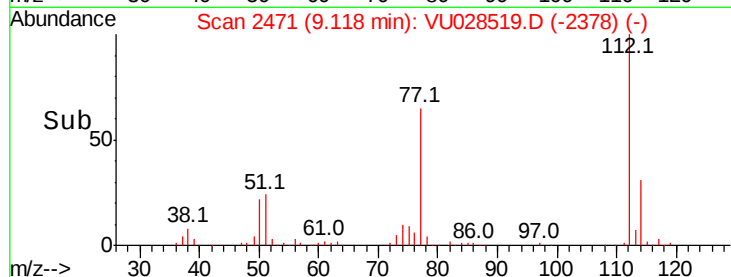
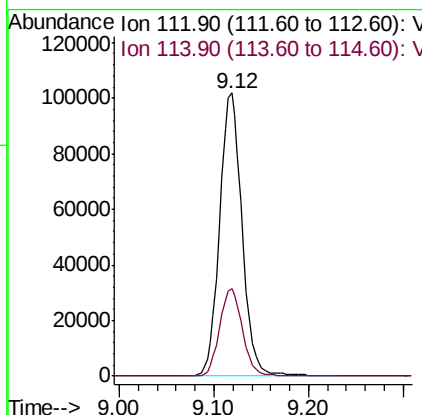
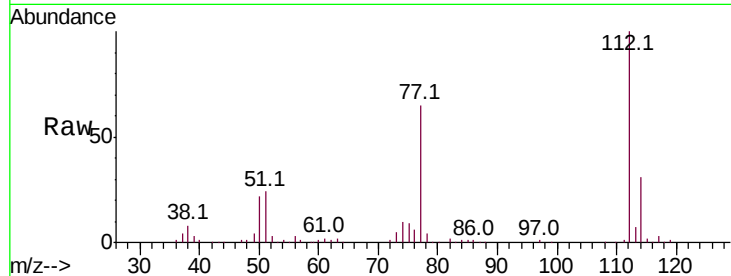
#65
Chlorobenzene
Concen: 49.104 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.3	37.9

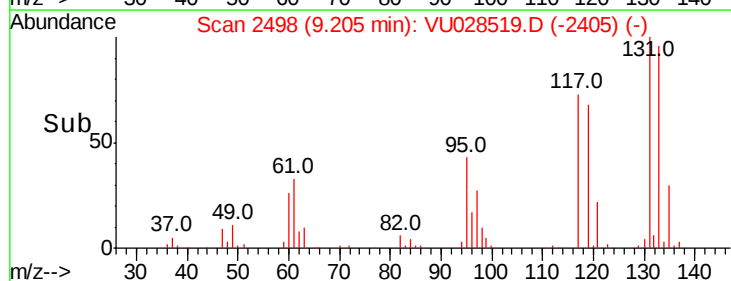
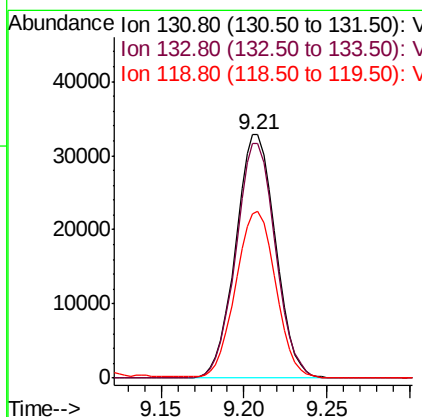
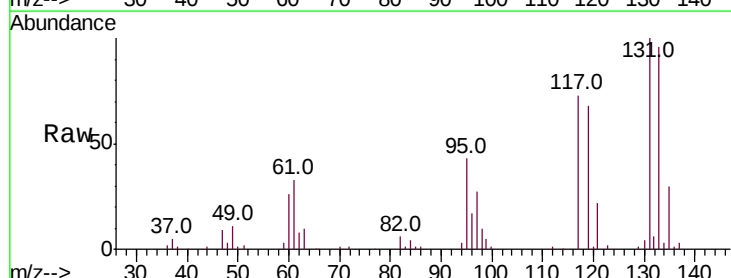
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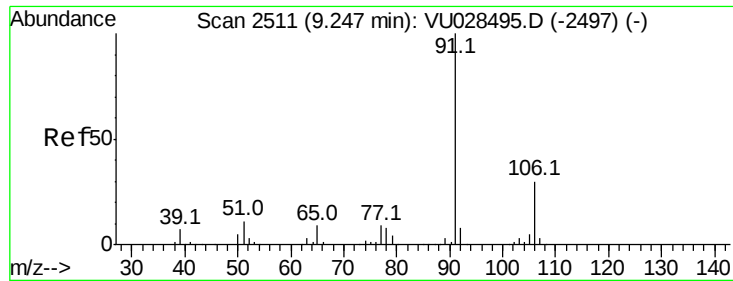
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.591 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.0	144.0
119	68.8	34.6	103.9





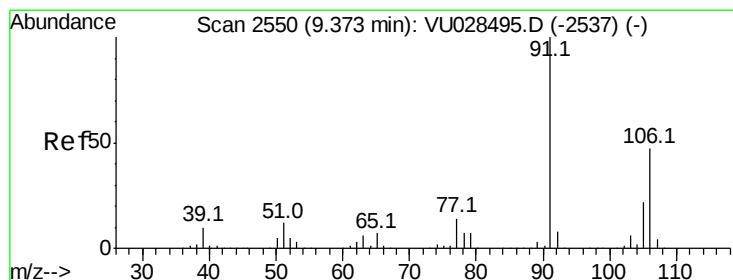
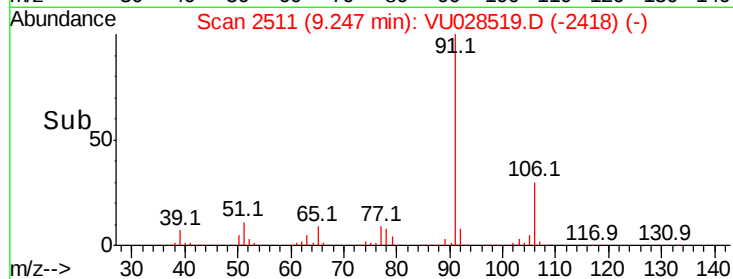
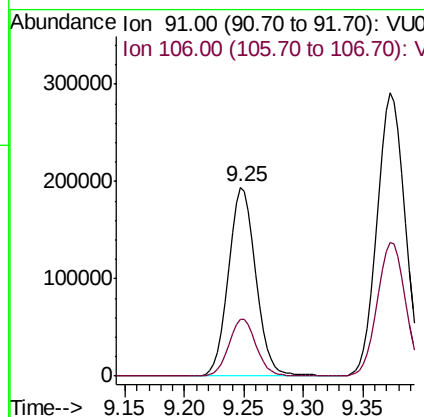
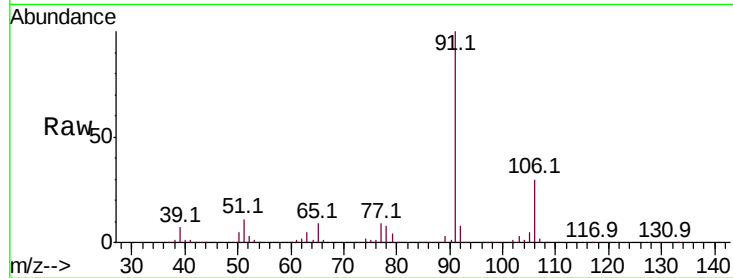
#67
Ethyl Benzene
Concen: 49.575 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 310708
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1

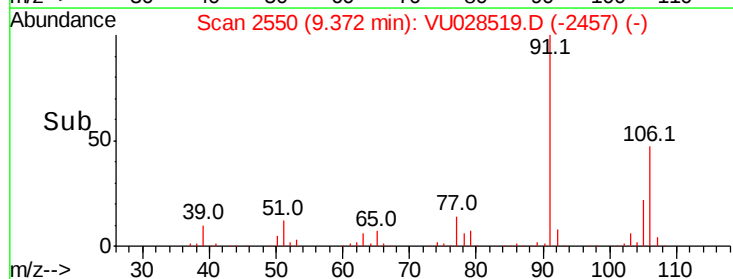
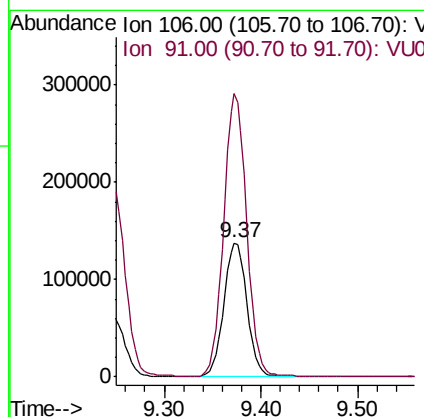
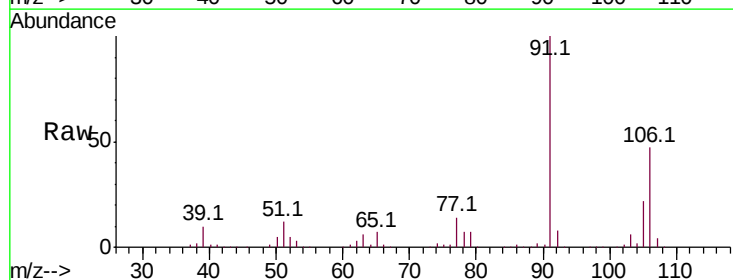
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#68
m/p-Xylenes
Concen: 100.434 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion: 106 Resp: 229045
Ion Ratio Lower Upper
106 100
91 209.8 167.4 251.0





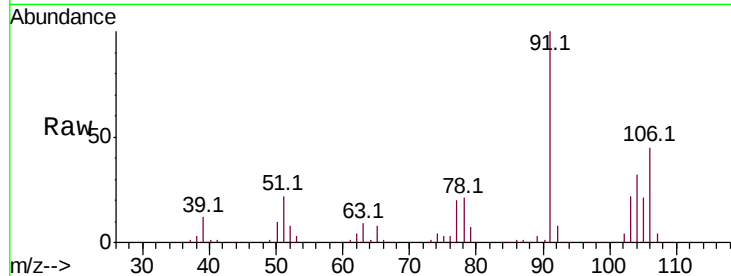
#69
o-Xylene
Concen: 49.673 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

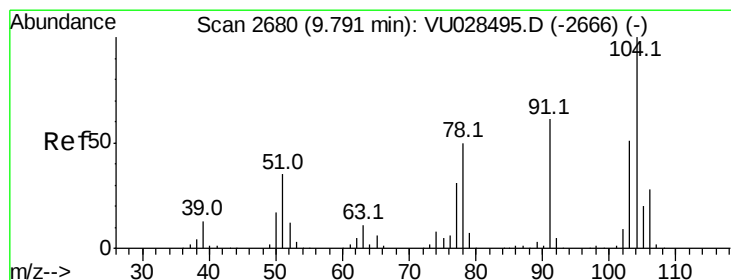
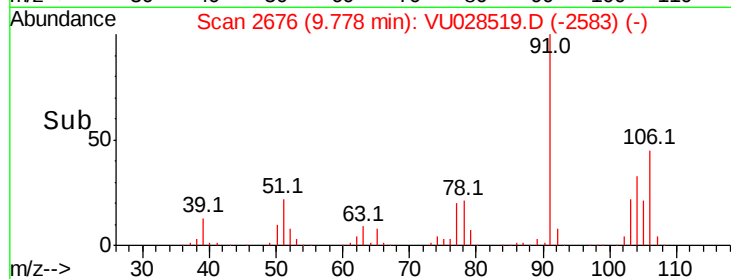
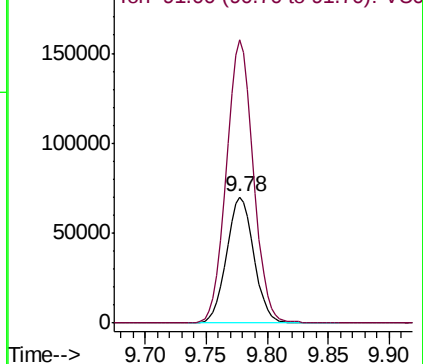
Tot Ion:106 Resp: 110088
Ion Ratio Lower Upper
106 100
91 222.1 111.3 334.0

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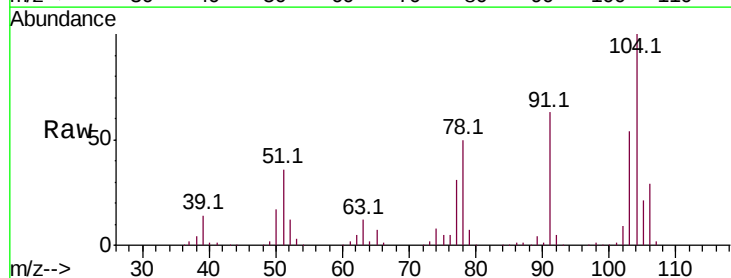


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

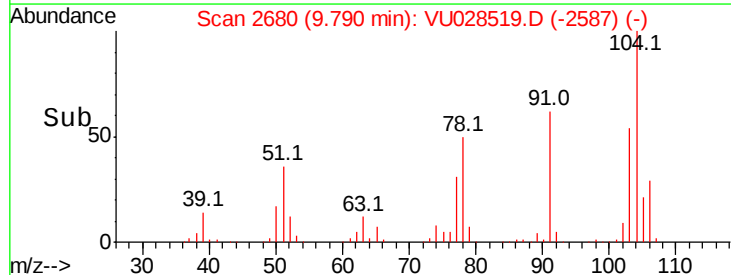
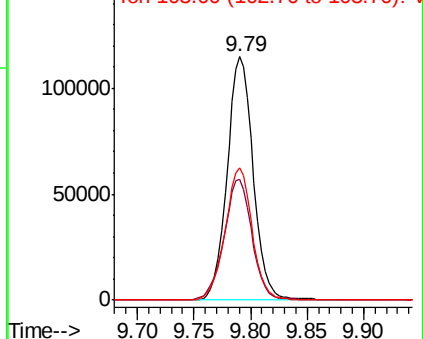


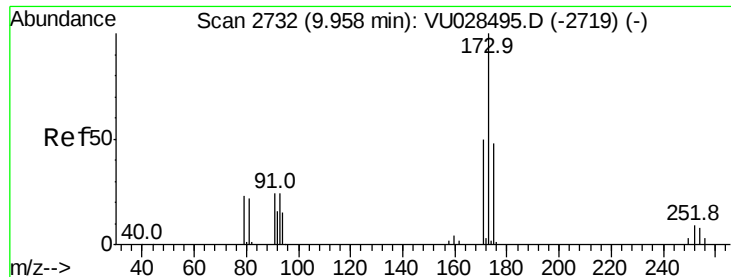
#70
Styrene
Concen: 50.090 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion:104 Resp: 183717
Ion Ratio Lower Upper
104 100
78 53.2 43.0 64.6
103 56.6 44.2 66.4



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





#71

Bromoform

Concen: 50.545 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 46813

Ion Ratio Lower Upper

173 100

175 48.3 23.9 71.8

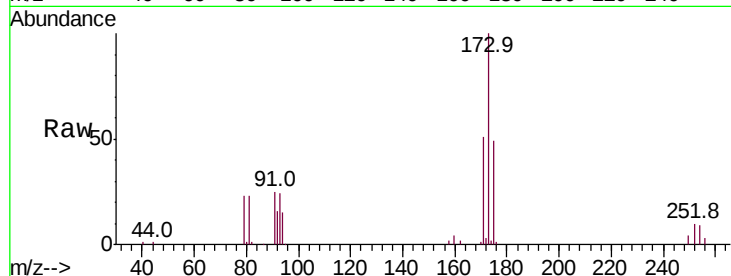
254 0.0 0.0 0.0

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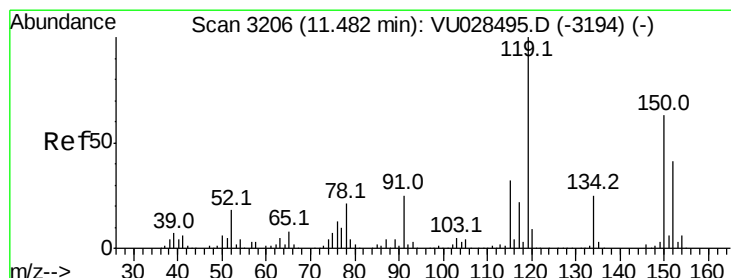
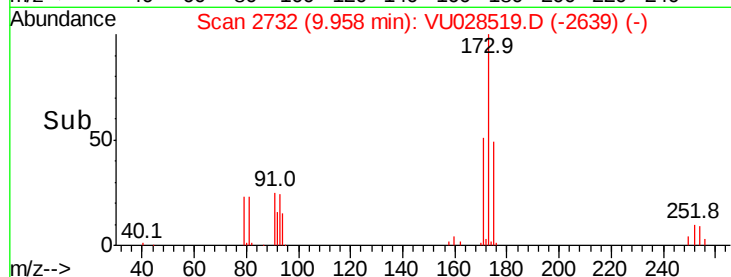
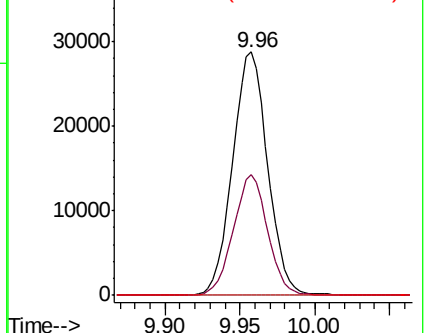
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

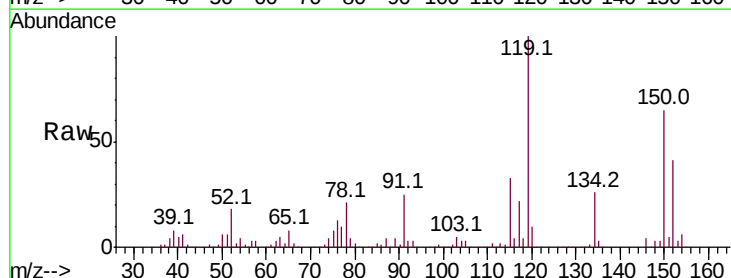
Tgt Ion:152 Resp: 80410

Ion Ratio Lower Upper

152 100

115 86.1 42.7 128.1

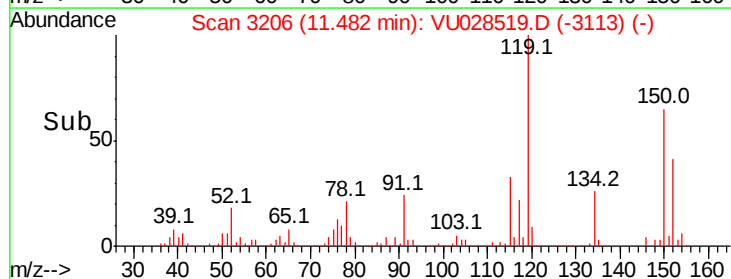
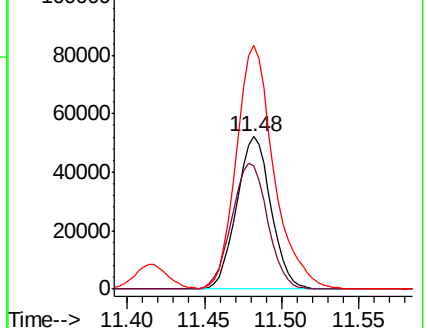
150 174.9 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.530 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 293265

Ion Ratio Lower Upper

105 100

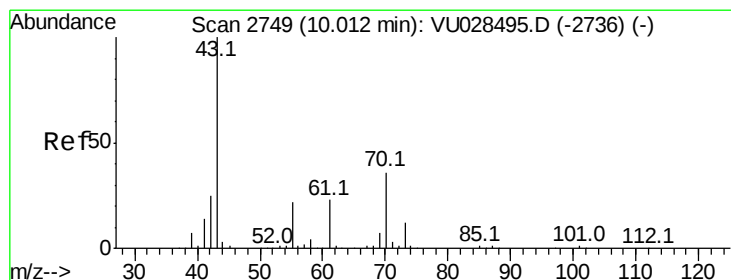
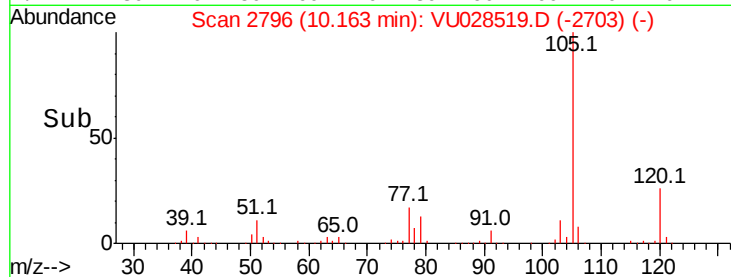
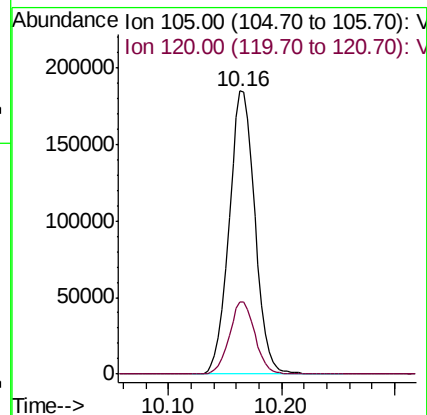
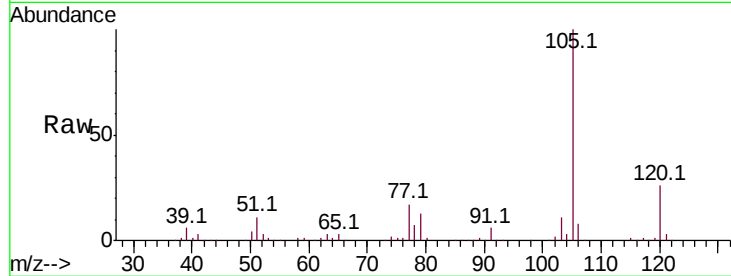
120 25.4 12.9 38.6

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#74

N-ethyl acetate

Concen: 49.326 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Tgt Ion: 43 Resp: 175557

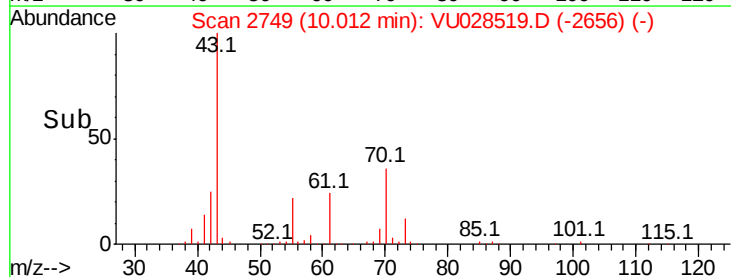
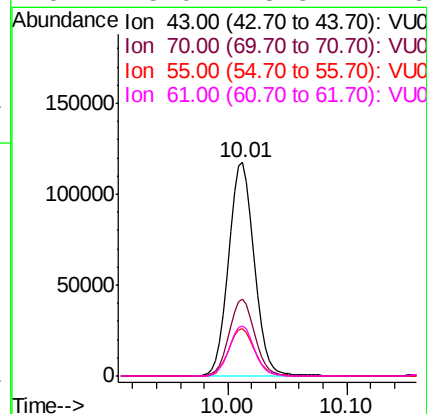
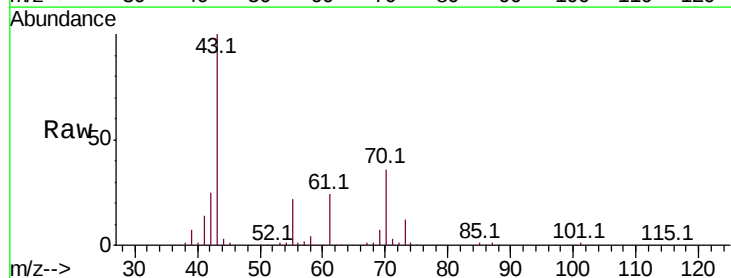
Ion Ratio Lower Upper

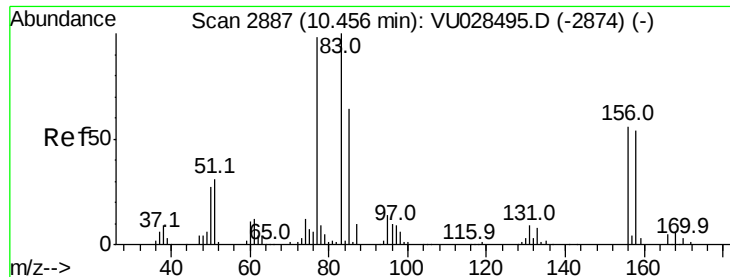
43 100

70 35.9 29.3 43.9

55 22.4 18.0 27.0

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.467 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 114877

Ion Ratio Lower Upper

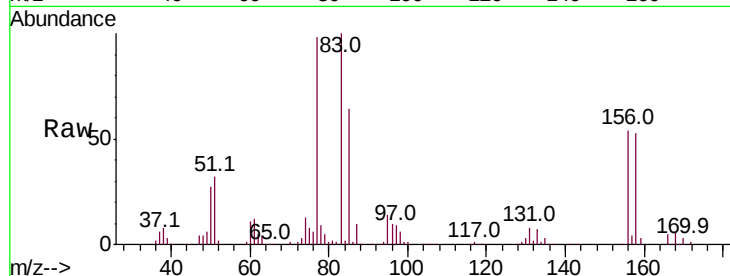
83 100

131 8.2 4.2 12.4

85 64.4 31.8 95.4

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12/7/2018 10:35:29 AM

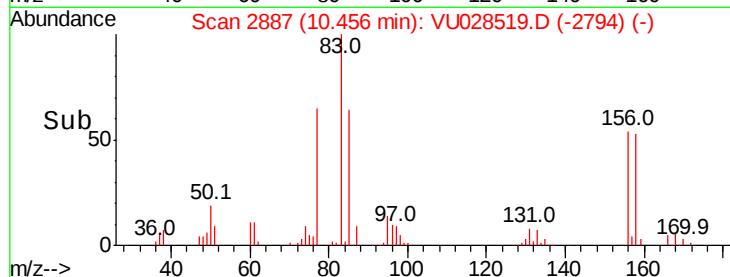


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)

Time-->

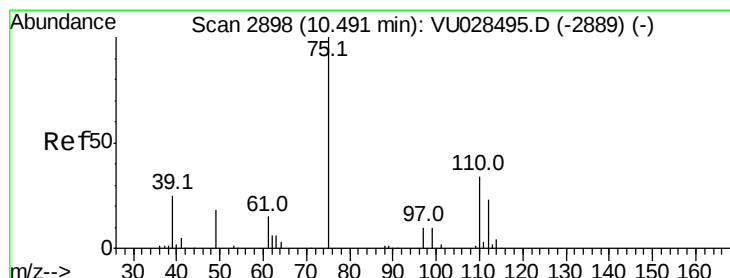


Abundance Ion 82.90 (82.60 to 83.60): VU028519.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028519.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028519.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 46.701 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028519.D

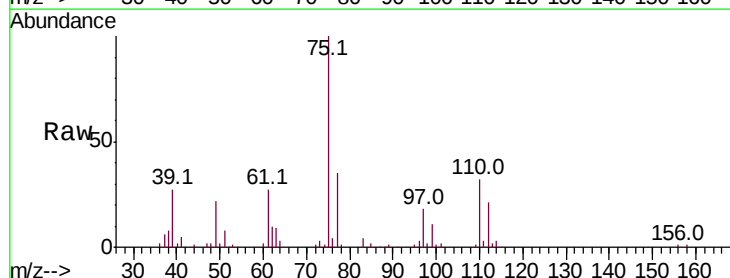
Acq: 06 Dec 2018 22:23

Tgt Ion: 75 Resp: 95890

Ion Ratio Lower Upper

75 100

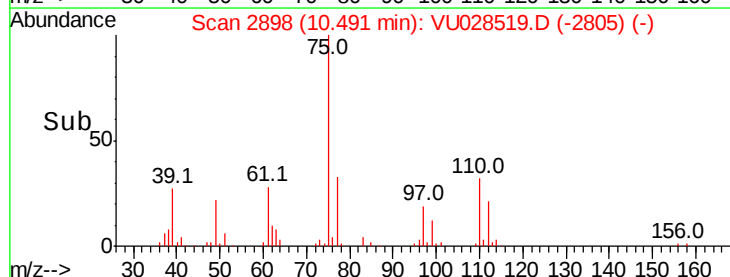
77 44.7 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)

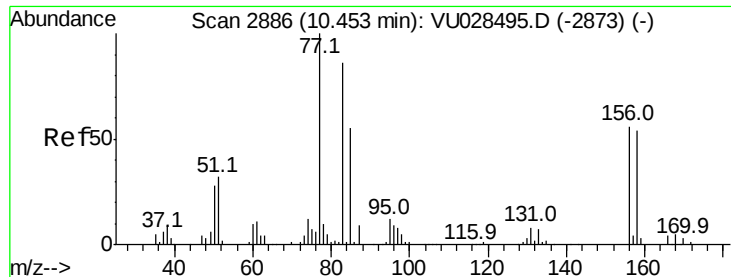
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU028519.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028519.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 48.094 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

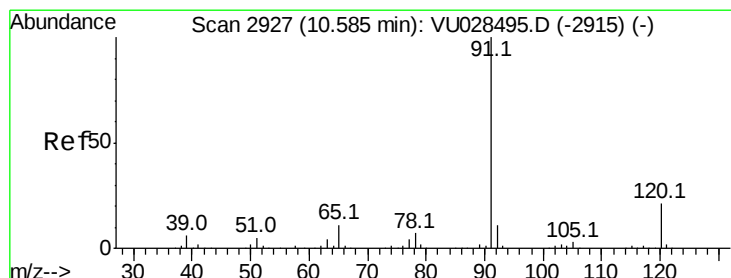
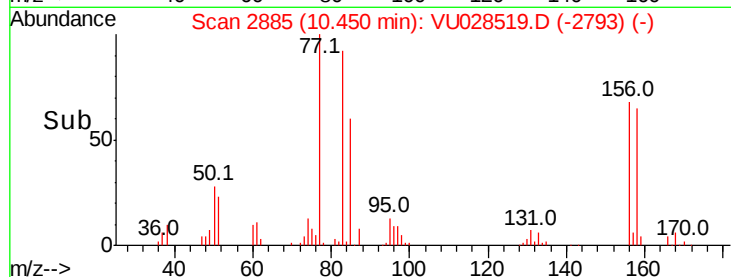
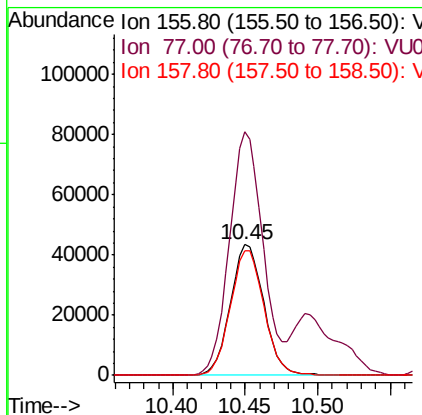
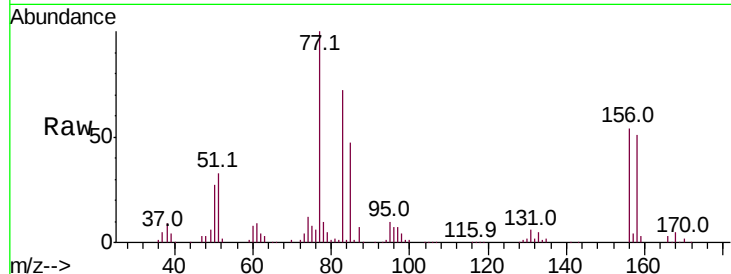
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.1	92.4	277.2
158	96.6	48.4	145.3

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#78

n-propylbenzene

Concen: 48.130 ug/l

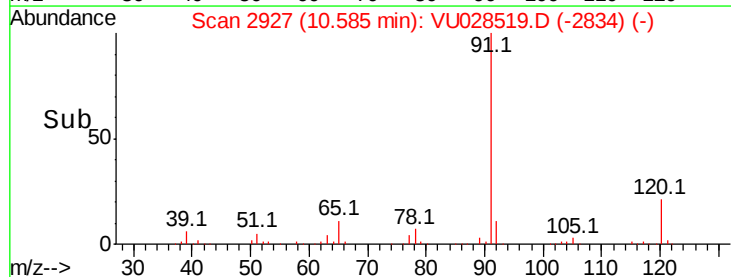
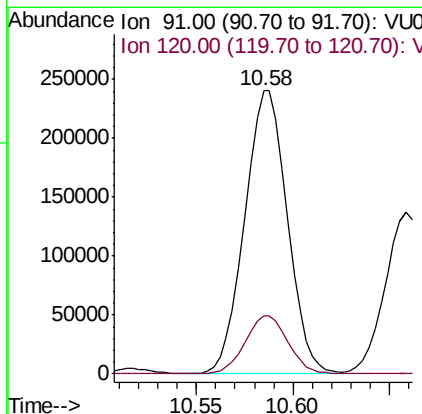
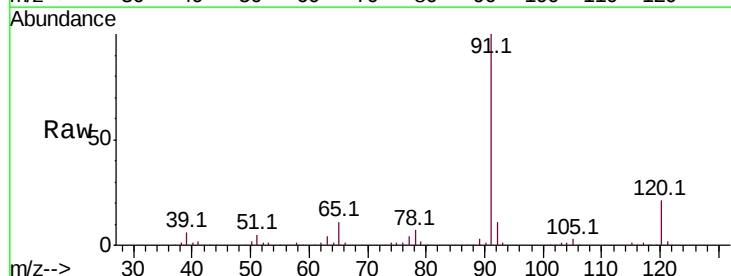
RT: 10.58 min Scan# 2927

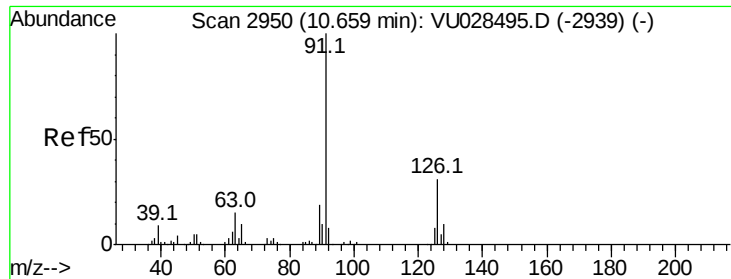
Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.6	31.8





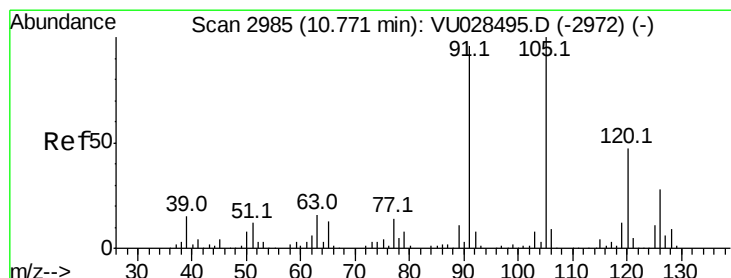
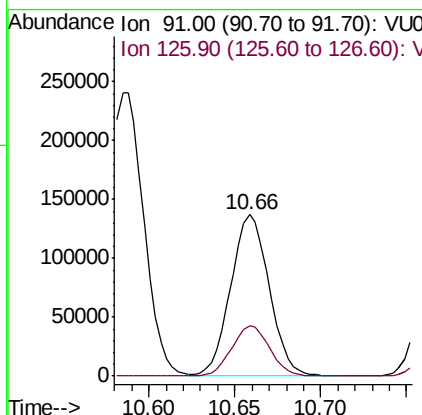
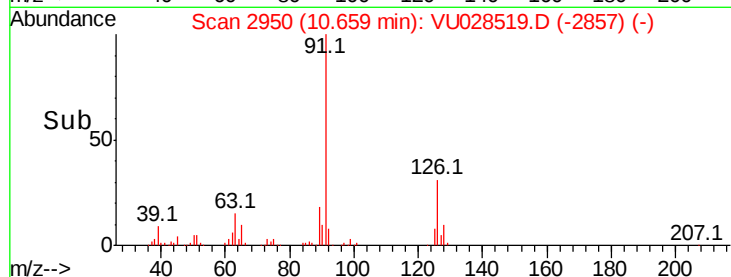
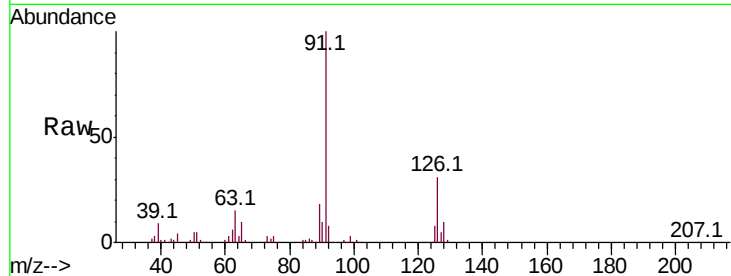
#79
2-Chlorotoluene
Concen: 48.084 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8

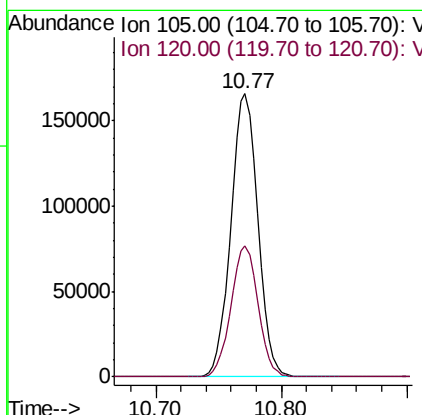
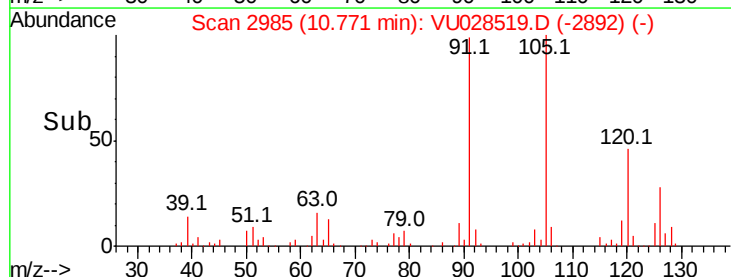
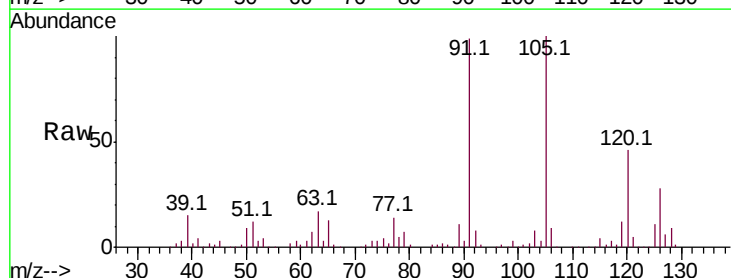
Manual Integrations
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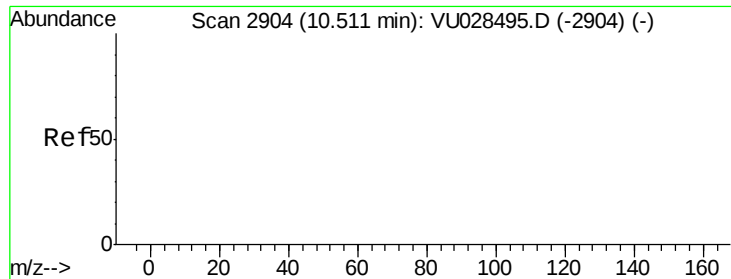
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 48.393 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.7	71.1





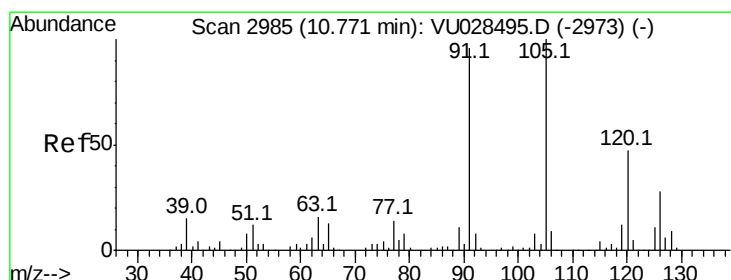
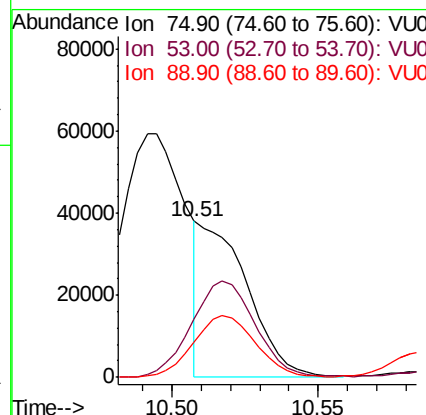
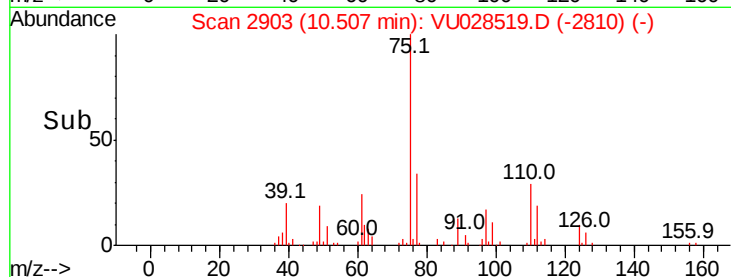
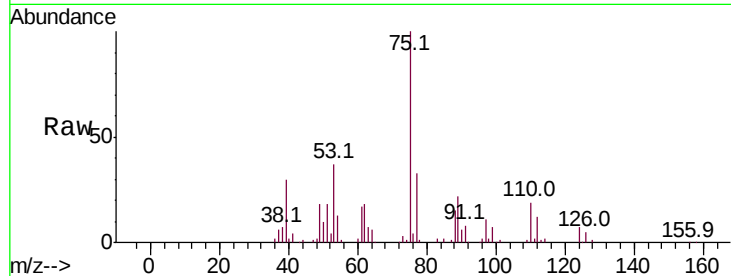
#81
trans-1,4-Dichloro-2-butene
Concen: 51.572 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

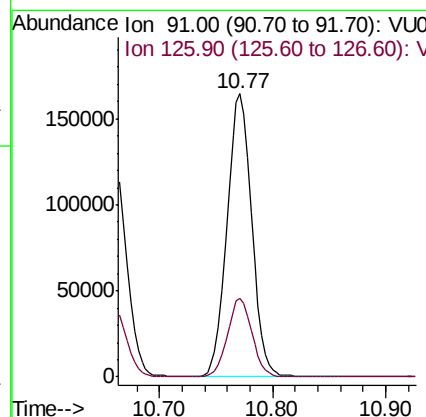
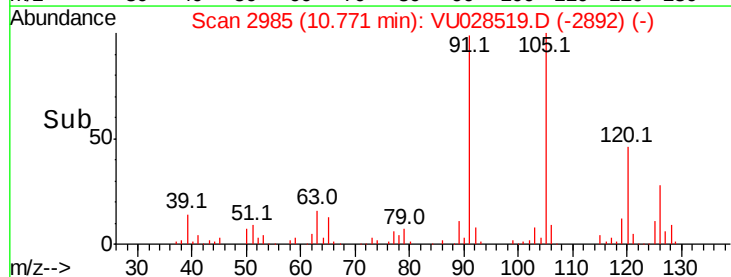
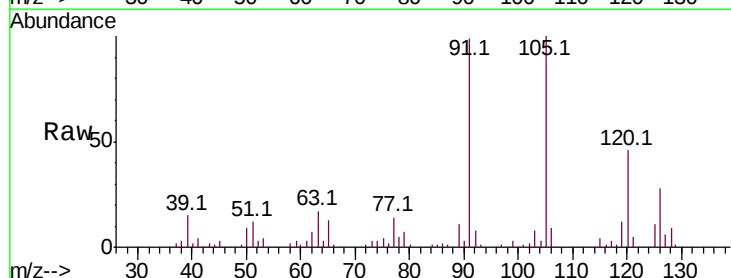
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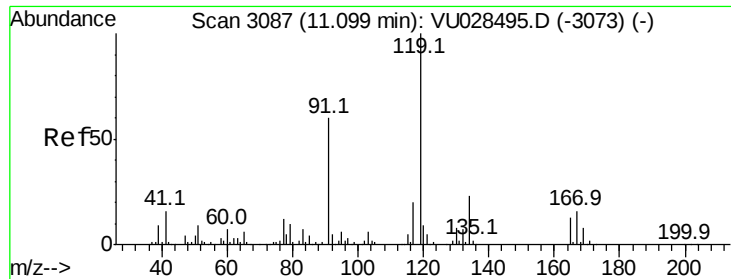
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#82
4-Chlorotoluene
Concen: 47.665 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.3





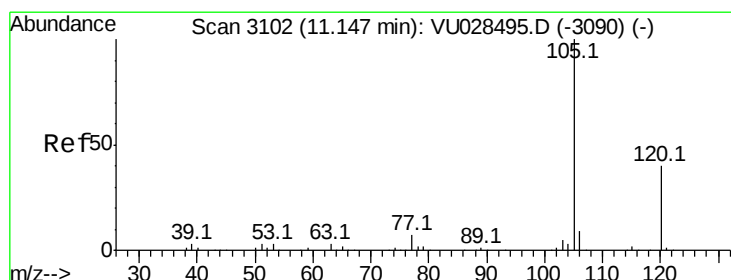
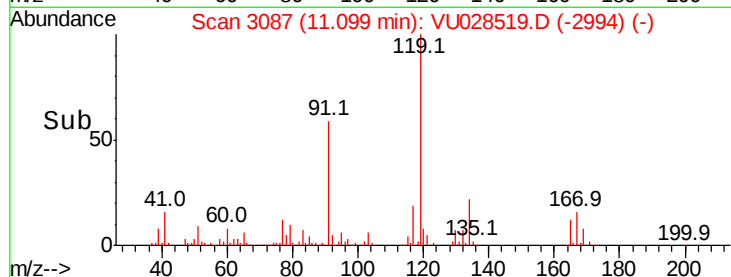
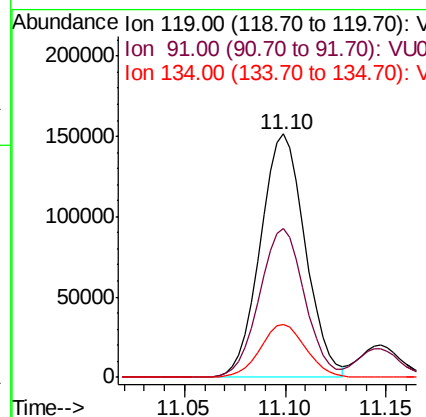
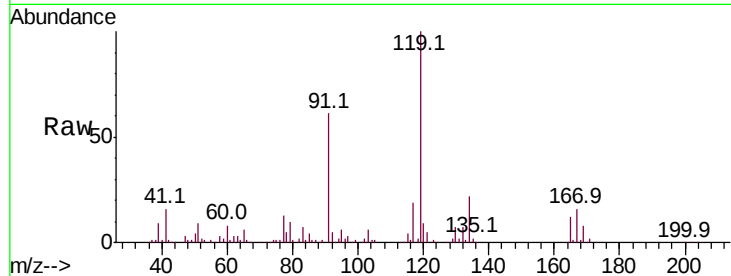
#83
tert-Butylbenzene
Concen: 47.789 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	235258		
91	61.6	30.3	91.0	
134	21.9	11.2	33.5	

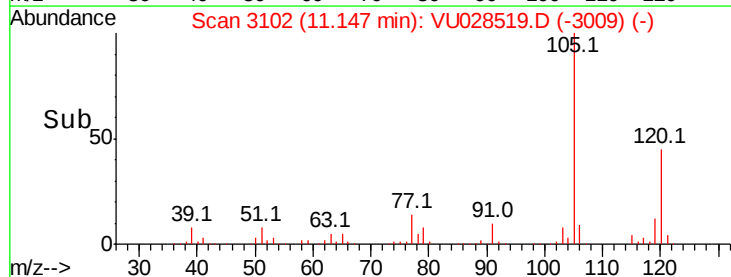
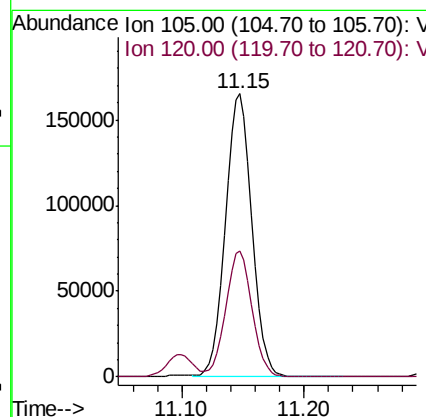
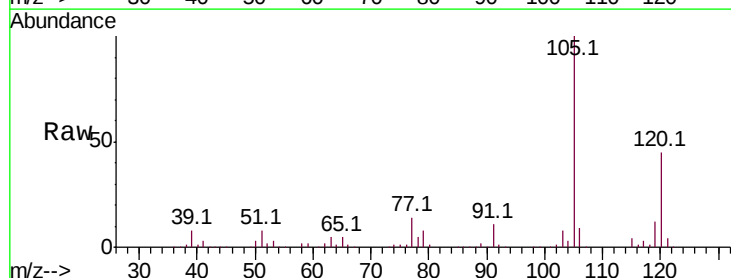
Manual Integrations
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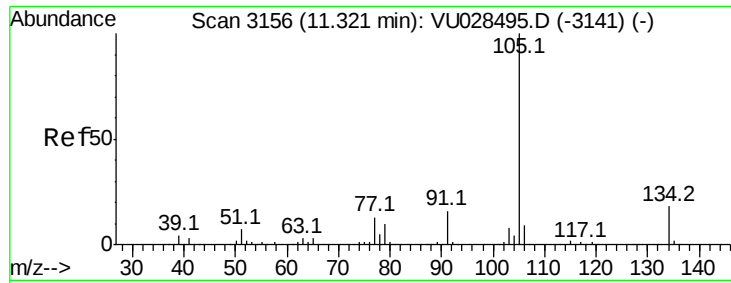
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.893 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252094		
120	44.1	21.8	65.4	





#85

sec-Butylbenzene

Concen: 48.350 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 305778

Ion Ratio Lower Upper

105 100

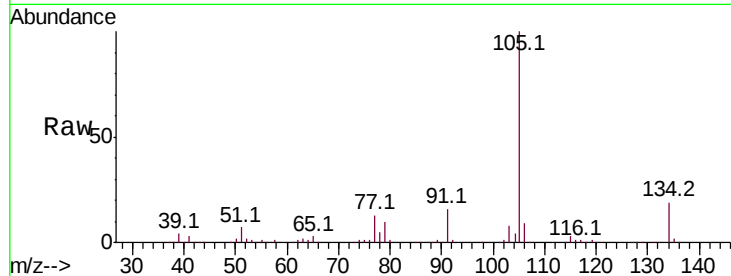
134 18.3 9.2 27.6

Manual Integrations

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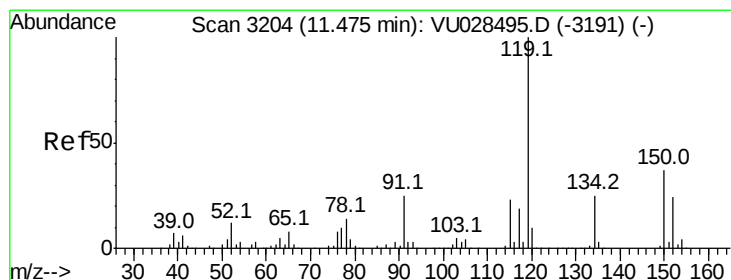
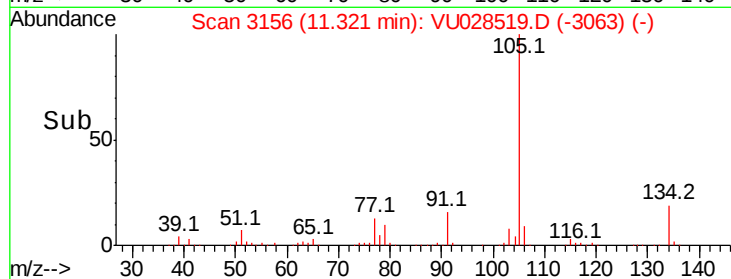
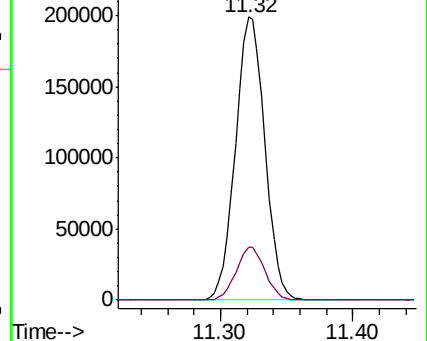
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.601 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028519.D

Acq: 06 Dec 2018 22:23

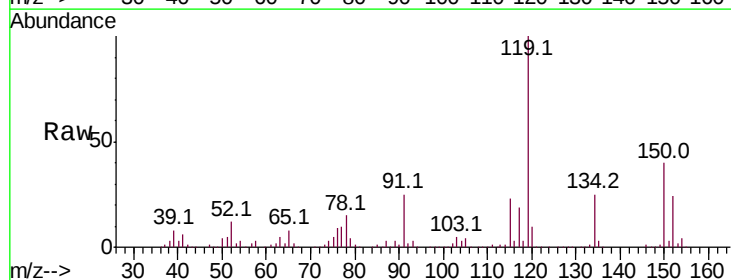
Tgt Ion:119 Resp: 255728

Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

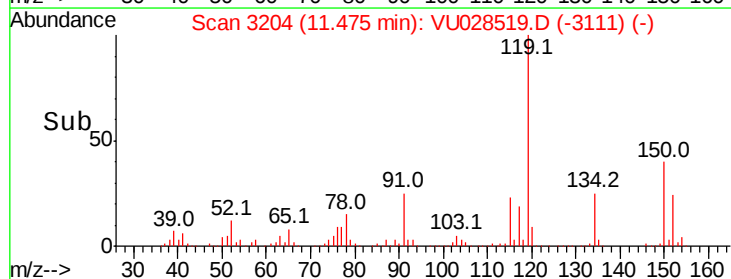
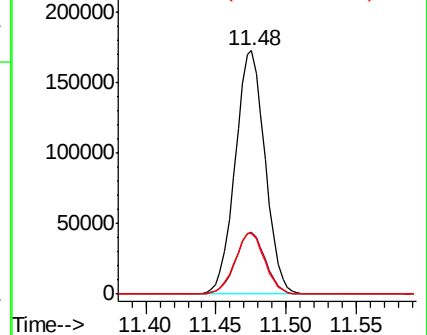
91 25.0 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





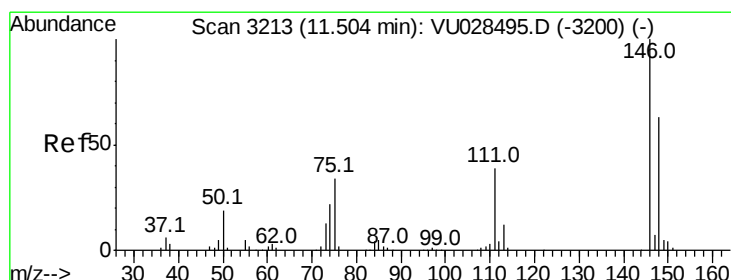
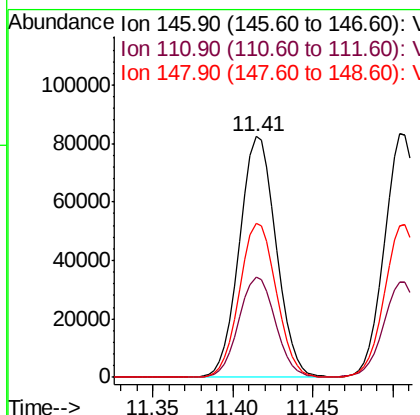
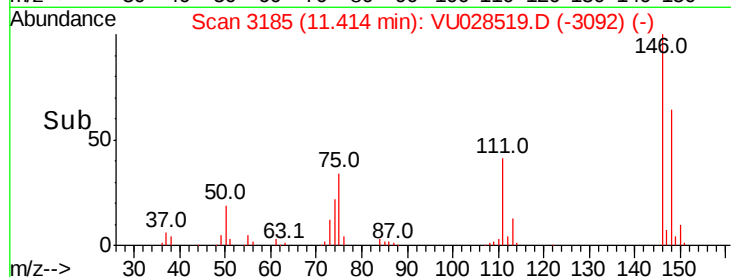
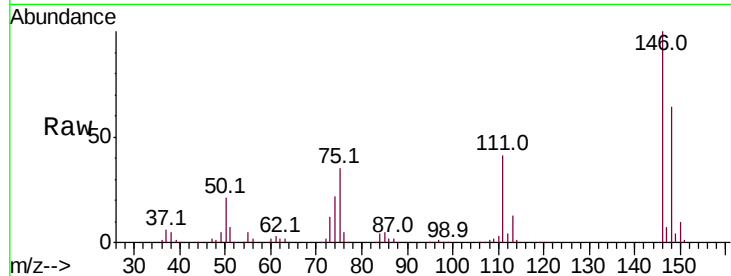
#87
 1,3-Dichlorobenzene
 Concen: 47.221 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	64.2	31.9	95.7

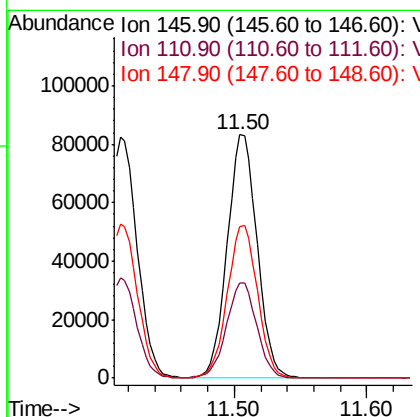
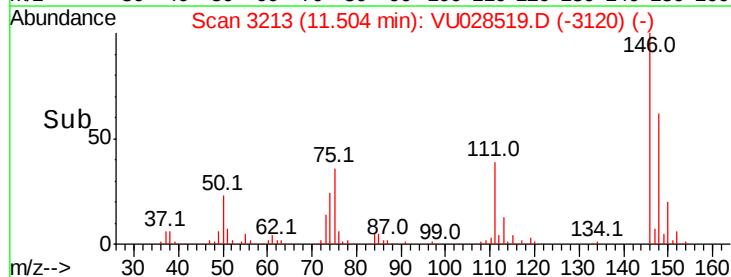
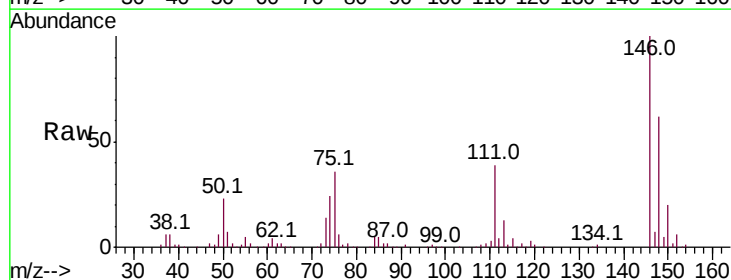
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 46.157 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	63.5	31.6	95.0





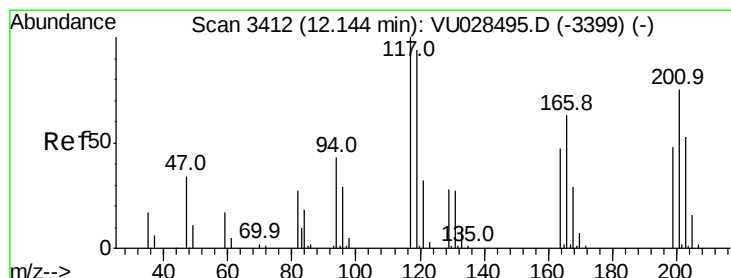
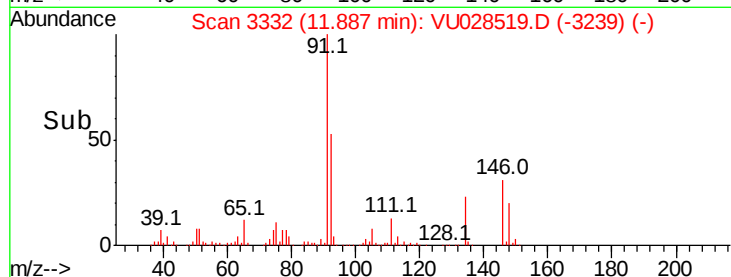
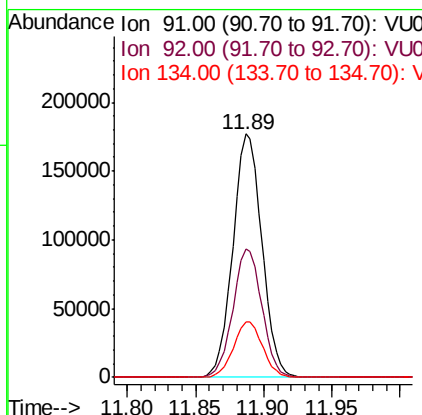
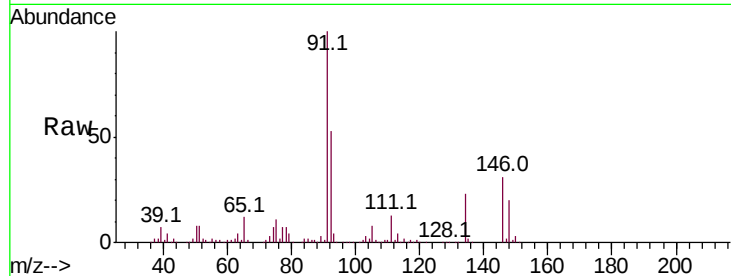
#89
n-Butylbenzene
Concen: 48.160 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	22.8	11.3	33.8

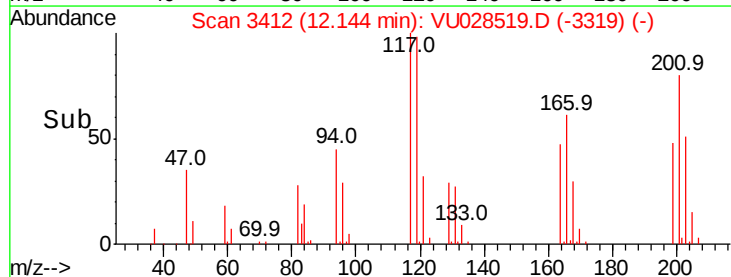
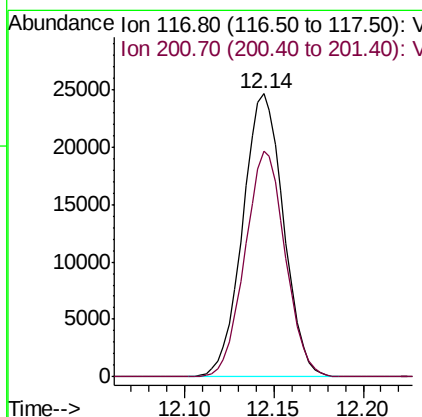
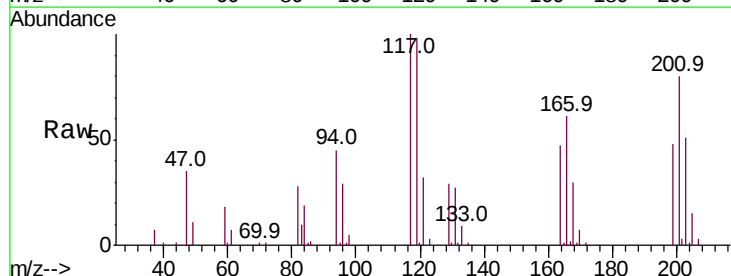
Manual Integrations
APPROVED

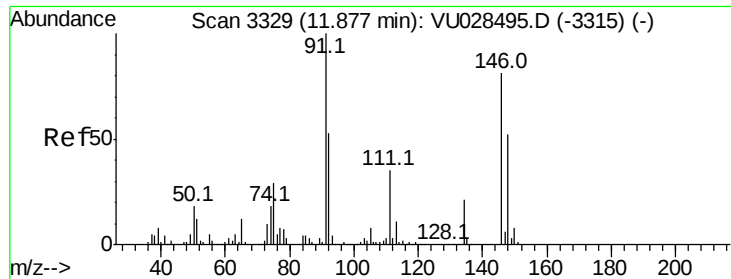
MMDadoda
12/7/2018 10:35:29 AM



#90
Hexachloroethane
Concen: 48.407 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	38.1	114.5





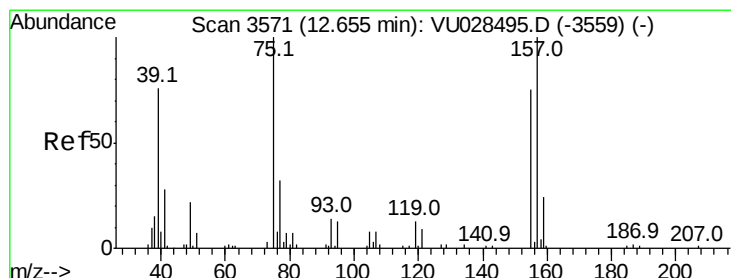
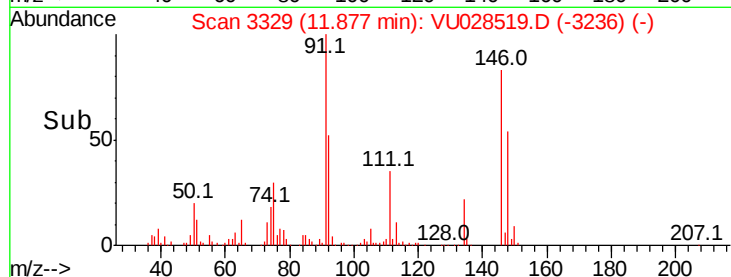
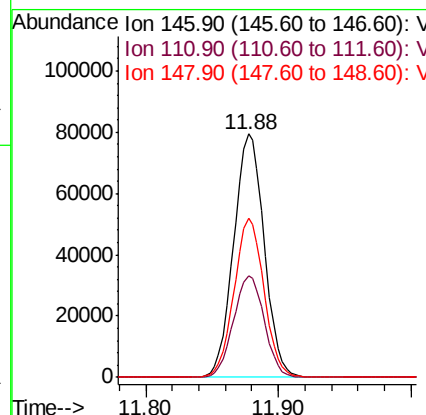
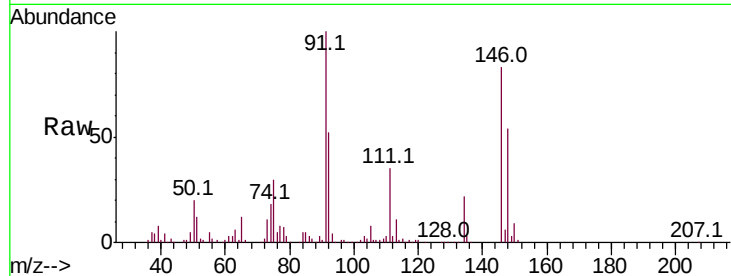
#91
 1,2-Dichlorobenzene
 Concen: 46.607 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.4
148	64.1	31.4	94.2

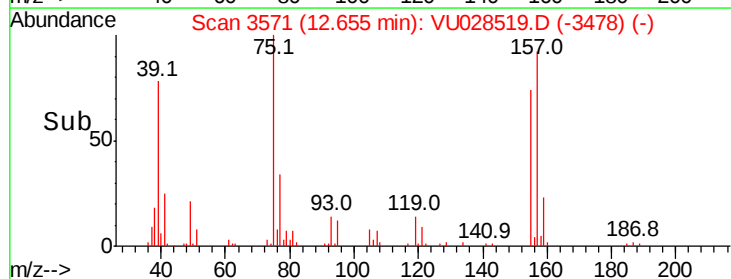
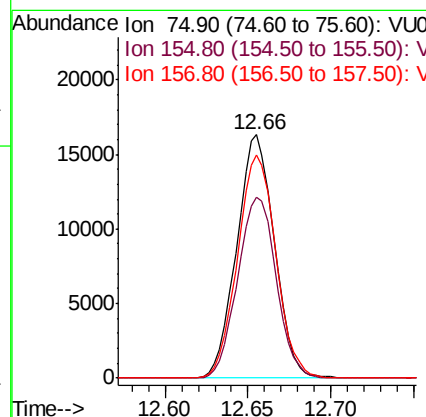
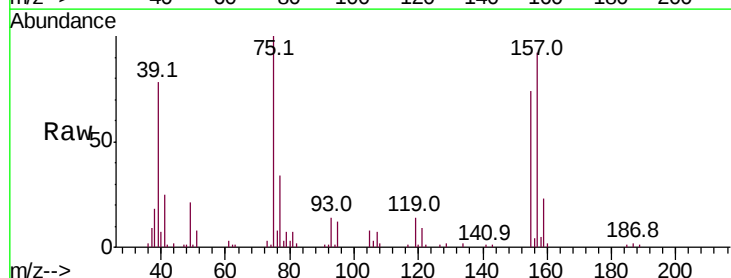
Manual Integrations
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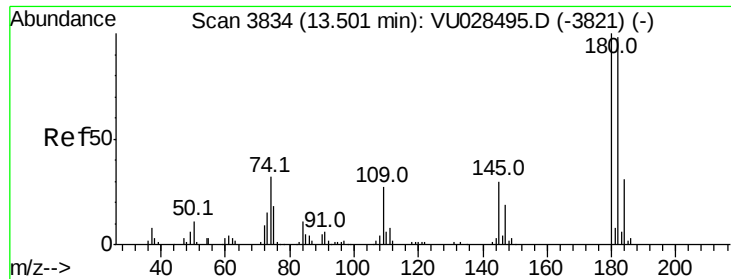
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.270 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	38.1	114.5
157	93.2	48.7	146.1





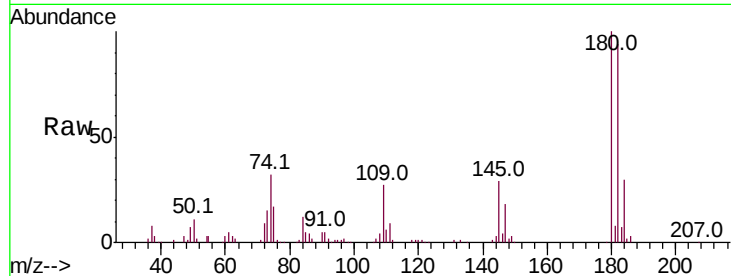
#93
 1,2,4-Trichlorobenzene
 Concen: 48.340 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.8
145	29.4	15.0	45.1

Manual Integrations
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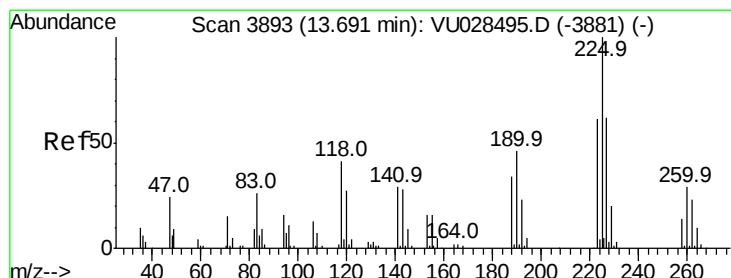
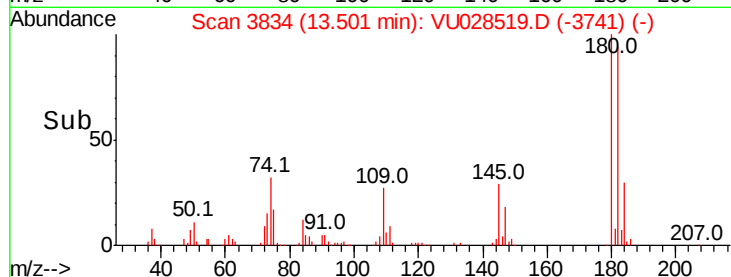
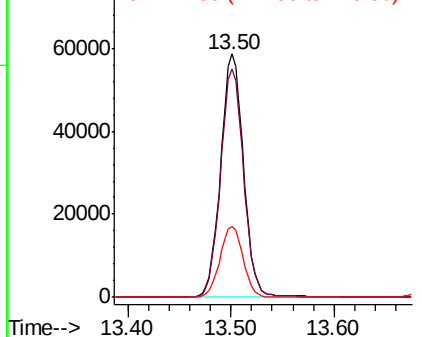


Abundance

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: 44.874 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028519.D
 Acq: 06 Dec 2018 22:23

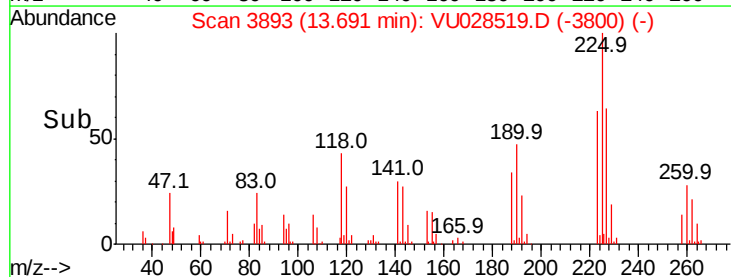
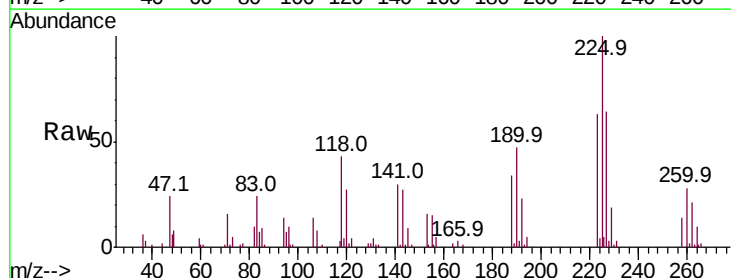
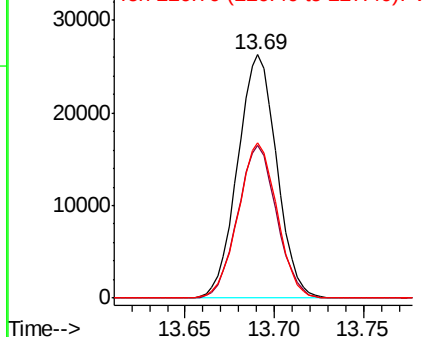
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.4	91.2
227	63.4	30.7	92.1

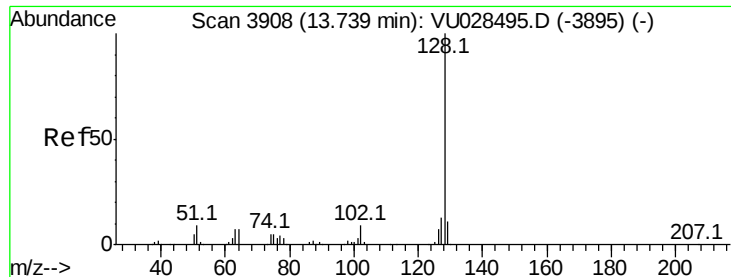
Abundance

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





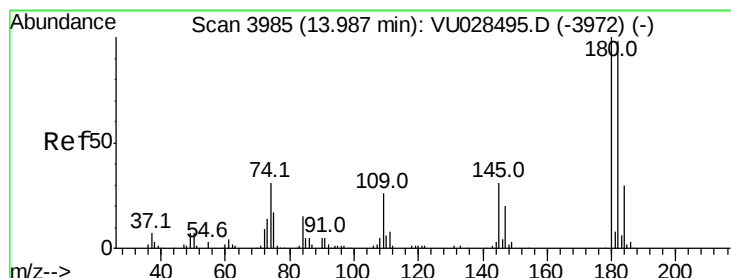
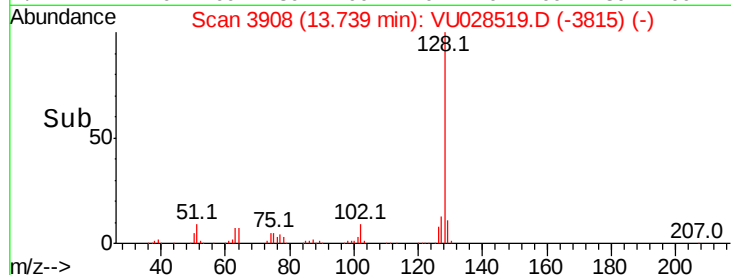
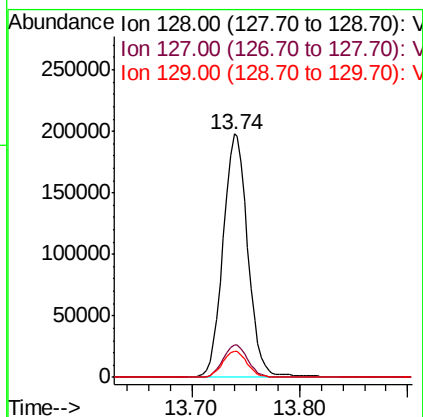
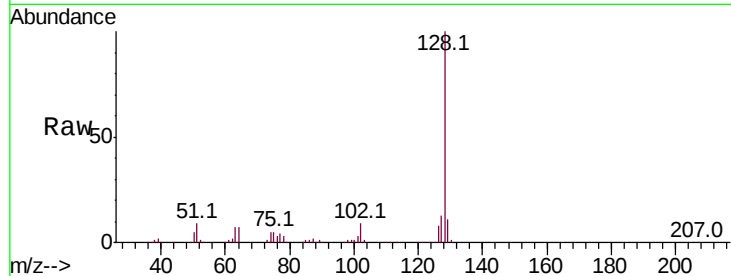
#95
Naphthalene
Concen: 48.416 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.9	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 48.963 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028519.D
Acq: 06 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.2	144.6
145	31.6	15.8	47.3

