

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028595.D
 Acq On : 11 Dec 2018 09:42
 Operator : MD/SY
 Sample : J6305-06MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 3:02:47 PM

Quant Time: Dec 11 13:19:56 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	84679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	152638	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	144284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69226	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	70569	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
35) Dibromofluoromethane	4.88	113	51563	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	7.57	98	201079	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	10.30	95	74073	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	59022	52.002	ug/l	97
3) Chloromethane	1.33	50	104769	50.208	ug/l	99
4) Vinyl Chloride	1.40	62	78793	52.323	ug/l	99
5) Bromomethane	1.60	94	33010	54.418	ug/l	99
6) Chloroethane	1.68	64	43380	50.884	ug/l	97
7) Trichlorofluoromethane	1.88	101	90585	57.175	ug/l	99
8) Diethyl Ether	2.10	74	36335	49.018	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	46015	48.562	ug/l	97
10) Methyl Iodide	2.41	142	45968	61.826	ug/l	100
11) Tert butyl alcohol	2.83	59	122667	426.061	ug/l	100
12) 1,1-Dichloroethene	2.28	96	45479	48.238	ug/l	98
13) Acrolein	2.19	56	61905	269.716	ug/l	100
14) Allyl chloride	2.59	41	111488	49.987	ug/l	99
15) Acrylonitrile	2.94	53	265898	332.652	ug/l	100
16) Acetone	2.32	43	371454	440.499	ug/l	99
17) Carbon Disulfide	2.47	76	165958	48.862	ug/l	99
18) Methyl Acetate	2.61	43	258000	118.027	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	188404	52.714	ug/l	99
20) Methylene Chloride	2.70	84	60632	48.775	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	52601	49.553	ug/l	97
22) Diisopropyl ether	3.57	45	232813	53.677	ug/l	97
23) Vinyl Acetate	3.52	43	888828	248.444	ug/l	98
24) 1,1-Dichloroethane	3.44	63	117291	51.661	ug/l	99
25) 2-Butanone	4.26	43	420919	365.256	ug/l	99
26) 2,2-Dichloropropane	4.23	77	64116	35.641	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	61777	51.417	ug/l	97
28) Bromochloromethane	4.55	49	58667	56.841	ug/l	97
29) Tetrahydrofuran	4.64	42	272241	367.837	ug/l	98
30) Chloroform	4.67	83	104515	52.818	ug/l	97
31) Cyclohexane	4.99	56	116347	52.575	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	84663	51.516	ug/l	98
36) 1,1-Dichloropropene	5.13	75	79188	47.410	ug/l	99
37) Ethyl Acetate	4.38	43	125420	58.086	ug/l	100
38) Carbon Tetrachloride	5.13	117	67652	50.252	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	94480	46.365	ug/l	99
40) Benzene	5.39	78	258767	52.601	ug/l	99
41) Methacrylonitrile	4.54	41	76032	64.299	ug/l	96
42) 1,2-Dichloroethane	5.40	62	87342	50.722	ug/l	98
43) Isopropyl Acetate	5.55	43	193223	56.577	ug/l	99
44) Trichloroethene	6.19	130	52926	48.386	ug/l	100
45) 1,2-Dichloropropane	6.43	63	72724	52.570	ug/l	98
46) Dibromomethane	6.56	93	42932	52.305	ug/l	99
47) Bromodichloromethane	6.76	83	81584	51.079	ug/l	97
48) Methyl methacrylate	6.62	41	102599	60.410	ug/l	99
49) 1,4-Dioxane	6.61	88	39956	1489.949	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	749084	347.763	ug/l	99
52) Toluene	7.64	92	149025	51.474	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	91864	48.292	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	99012	47.975	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	60563	52.919	ug/l	99
56) Ethyl methacrylate	8.02	69	110509	56.388	ug/l	99
57) 1,3-Dichloropropane	8.24	76	110344	51.941	ug/l	100
59) 2-Hexanone	8.36	43	612005	358.468	ug/l	99
60) Dibromochloromethane	8.48	129	56872	50.757	ug/l	100
61) 1,2-Dibromoethane	8.58	107	64166	53.466	ug/l	98
64) Tetrachloroethene	8.22	164	44348	46.080	ug/l	98
65) Chlorobenzene	9.12	112	151454	49.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51221	52.170	ug/l	100
67) Ethyl Benzene	9.25	91	284853	50.399	ug/l	100
68) m/p-Xylenes	9.37	106	205269	99.809	ug/l	96
69) o-Xylene	9.78	106	100925	50.497	ug/l	99
70) Stvrene	9.79	104	167759	50.720	ug/l	100
71) Bromoform	9.96	173	45436	54.401	ug/l #	98
73) Isopropylbenzene	10.16	105	265086	49.904	ug/l	100
74) N-amyl acetate	10.01	43	160647	52.429	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	119760	58.690	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	119754m	67.746	ug/l	
77) Bromobenzene	10.45	156	63027	50.733	ug/l	100
78) n-propylbenzene	10.58	91	328239	49.729	ug/l	99
79) 2-Chlorotoluene	10.66	91	191518	50.372	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	223901	50.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	42277m	58.710	ug/l	
82) 4-Chlorotoluene	10.77	91	222642	49.415	ug/l	100
83) tert-Butylbenzene	11.10	119	217452	51.308	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	233936	51.624	ug/l	100
85) sec-Butylbenzene	11.32	105	267707	49.169	ug/l	99
86) p-Isopropyltoluene	11.48	119	226255	48.919	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	115254	49.131	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	117189	48.285	ug/l	100
89) n-Butylbenzene	11.89	91	222854	47.610	ug/l	100
90) Hexachloroethane	12.14	117	35196	50.347	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	117854	50.225	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30760	69.628	ug/l	99
93) 1,2,4-Trichlorobenzene	13.50	180	78744	48.855	ug/l	99

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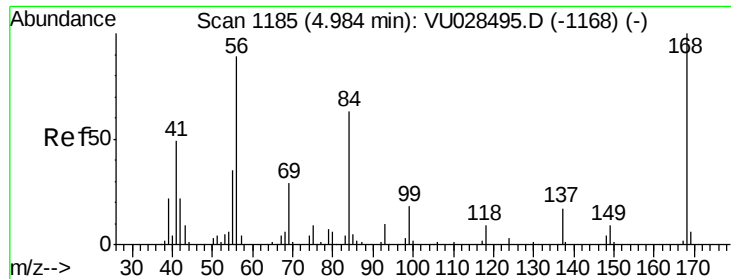
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	35714	46.464	ug/l	95
95) Naphthalene	13.74	128	319489	56.740	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	81204	50.600	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion:168 Resp: 84679

Ion Ratio Lower Upper

168 100

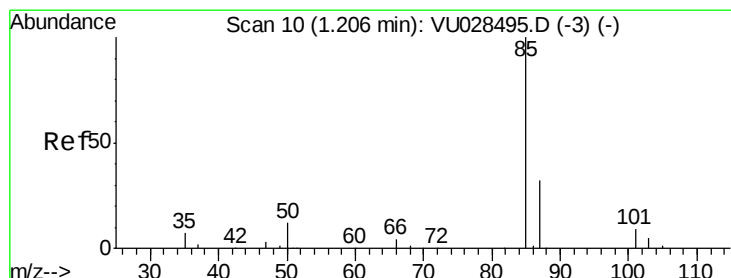
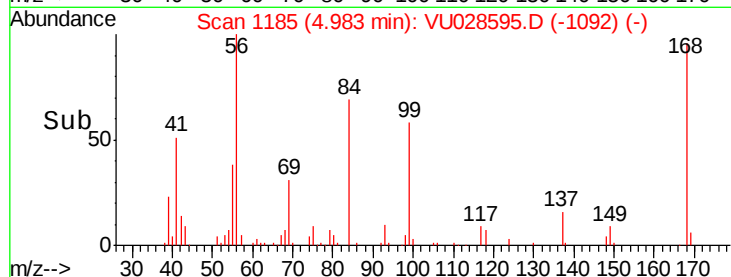
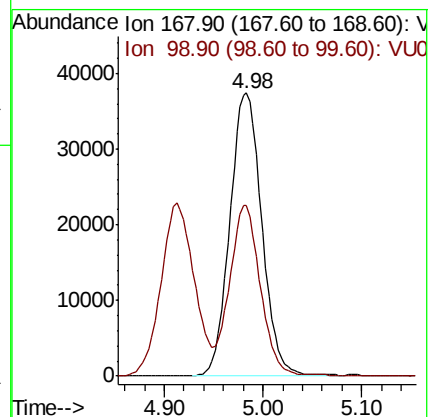
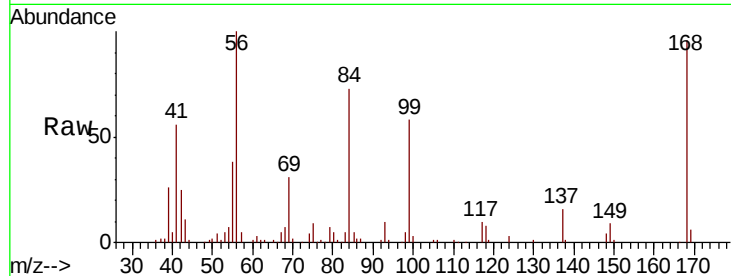
99 60.2 46.6 69.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 52.002 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028595.D

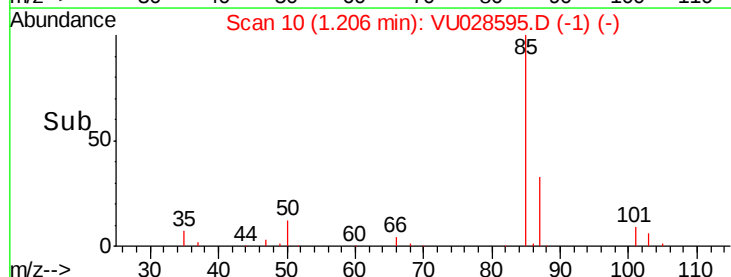
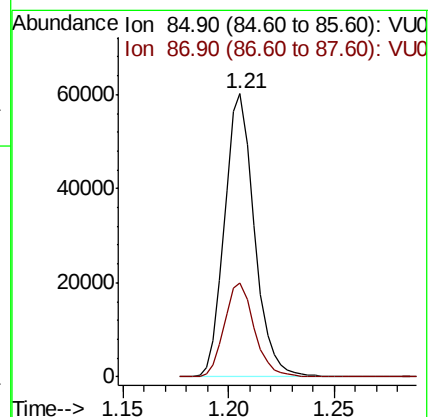
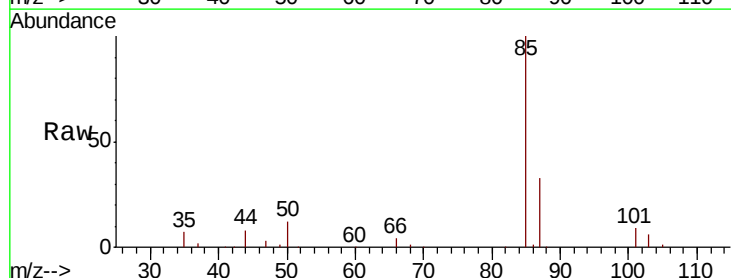
Acq: 11 Dec 2018 09:42

Tgt Ion: 85 Resp: 59022

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.6





#3

Chloromethane

Concen: 50.208 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 50 Resp: 104769

Ion Ratio Lower Upper

50 100

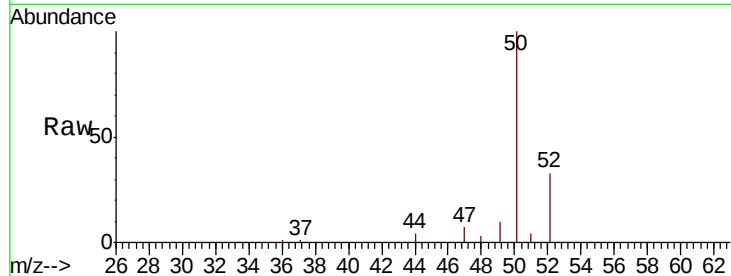
52 32.6 25.5 38.3

Manual Integrations

APPROVED

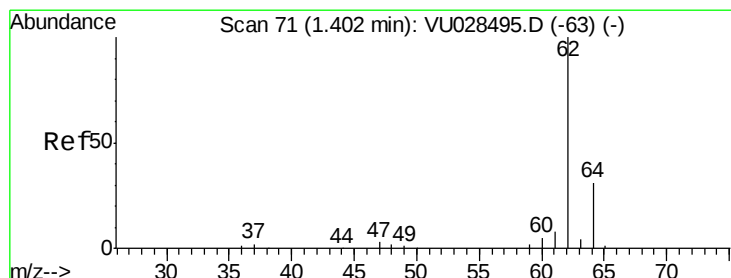
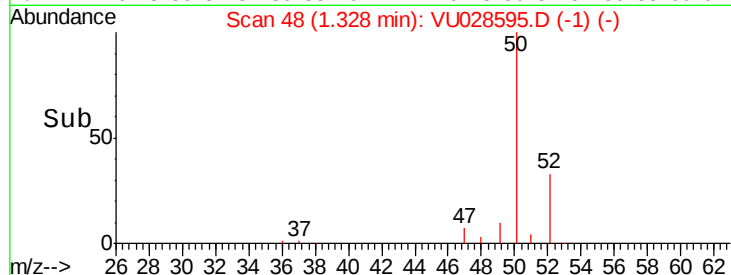
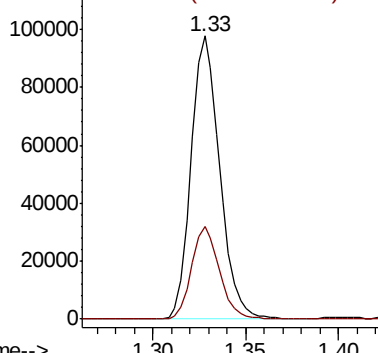
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 52.323 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028595.D

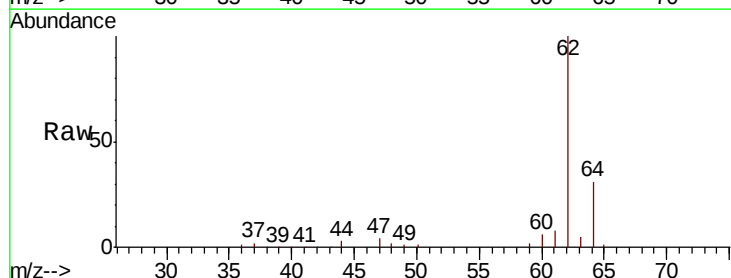
Acq: 11 Dec 2018 09:42

Tgt Ion: 62 Resp: 78793

Ion Ratio Lower Upper

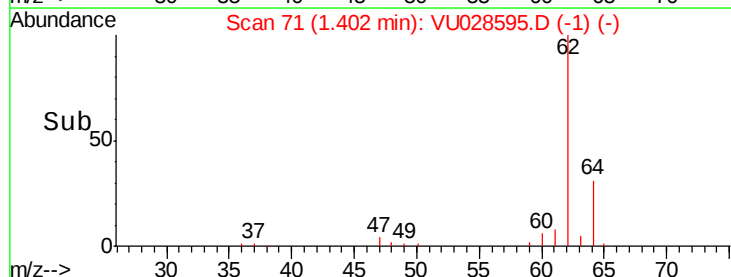
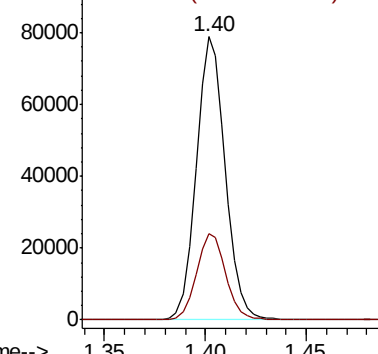
62 100

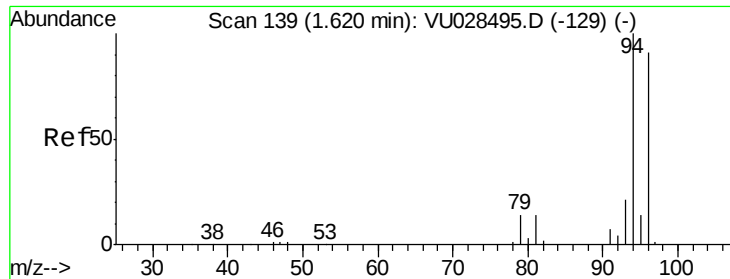
64 30.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 54.418 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Tot Ion: 94 Resp: 33010

Ion Ratio Lower Upper

94 100

96 92.6 73.2 109.8

Instrument :

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ClientSampleId :

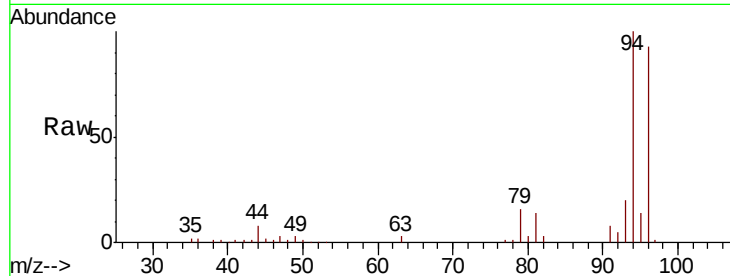
P001-SW004-01MSD

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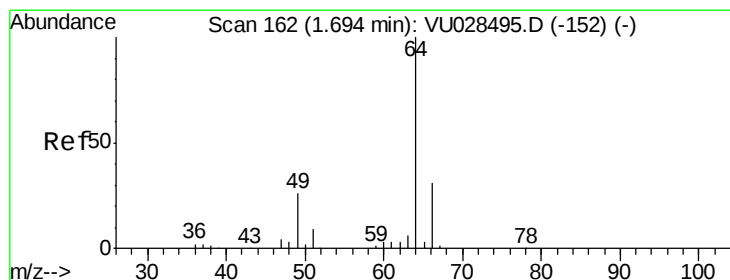
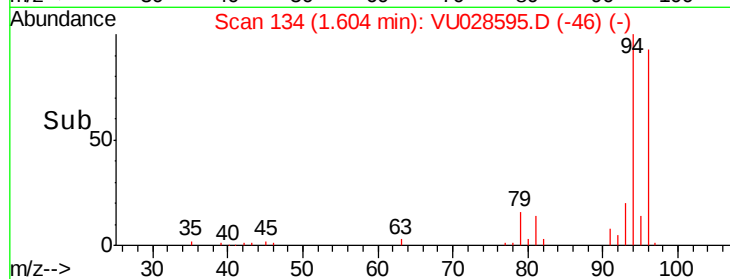
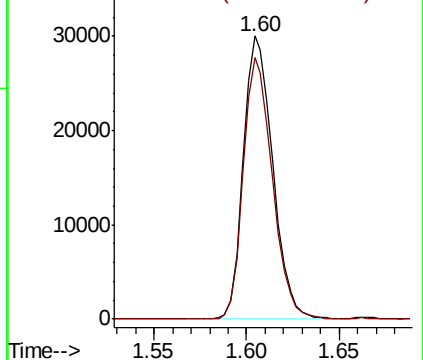
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.884 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028595.D

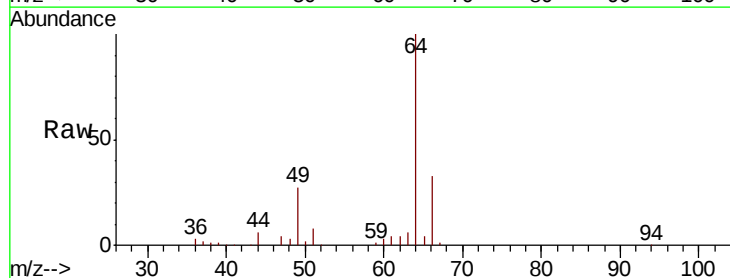
Acq: 11 Dec 2018 09:42

Tgt Ion: 64 Resp: 43380

Ion Ratio Lower Upper

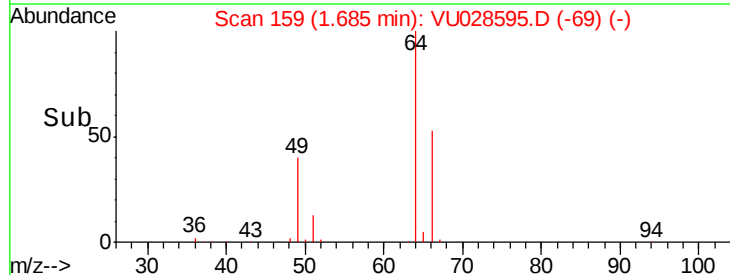
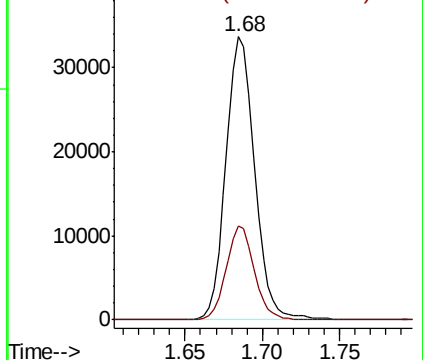
64 100

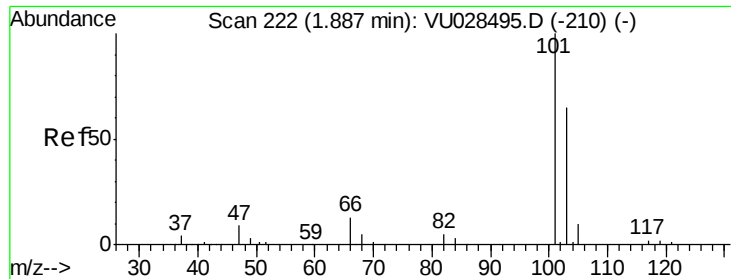
66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 57.175 ug/l

RT: 1.88 min Scan# 220

Delta R.T. -0.01 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

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ClientSampleId :

P001-SW004-01MSD

Tot Ion:101 Resp: 90585

Ion Ratio Lower Upper

101 100

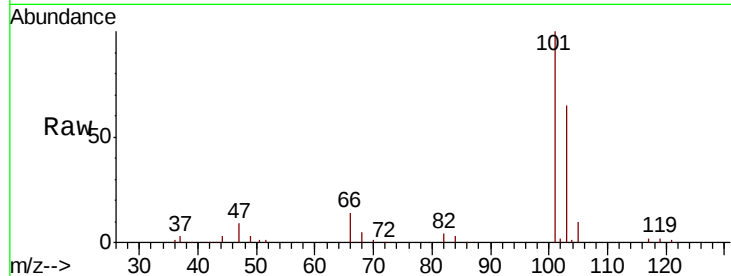
103 64.8 52.3 78.5

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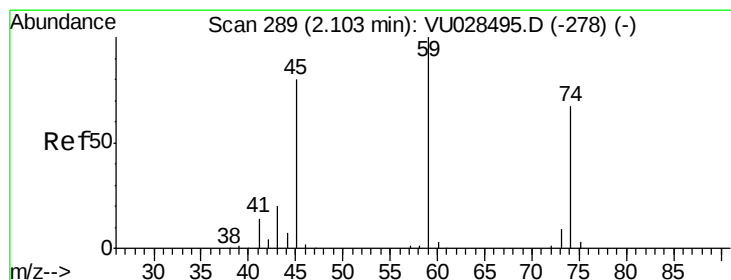
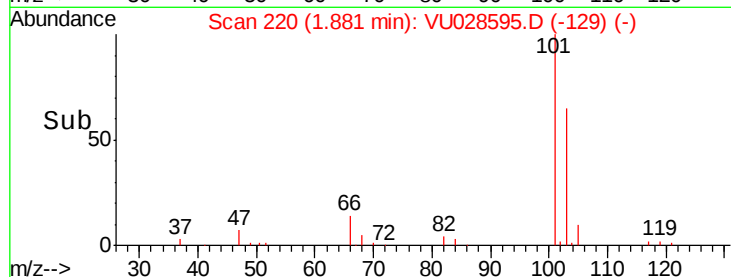
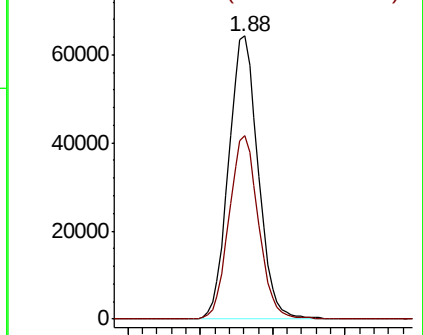
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.018 ug/l

RT: 2.10 min Scan# 289

Delta R.T. -0.00 min

Lab File: VU028595.D

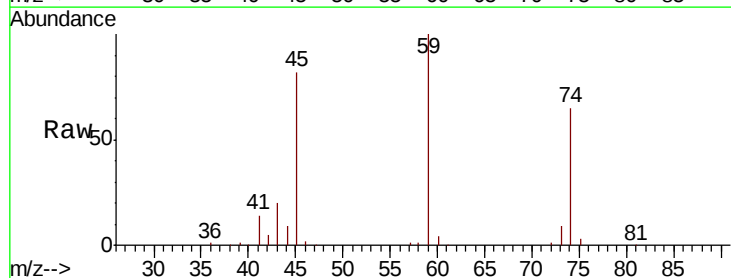
Acq: 11 Dec 2018 09:42

Tgt Ion: 74 Resp: 36335

Ion Ratio Lower Upper

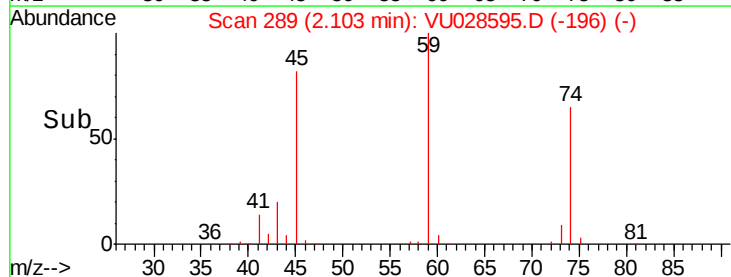
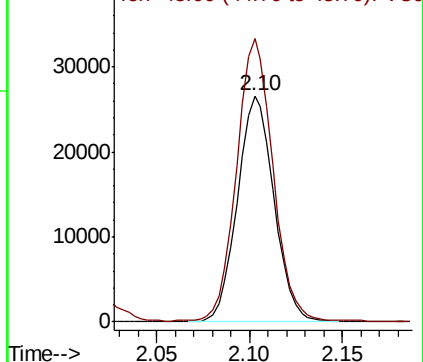
74 100

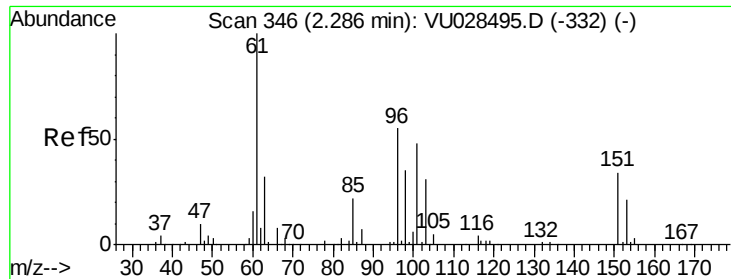
45 125.1 59.7 179.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.562 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

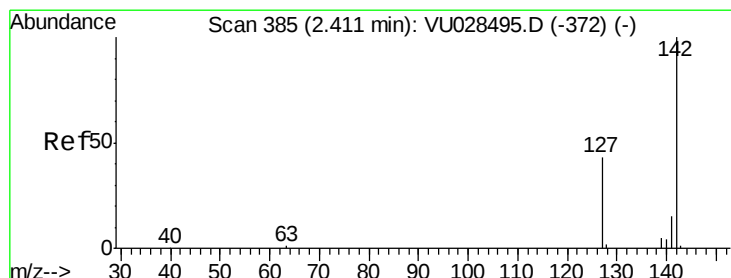
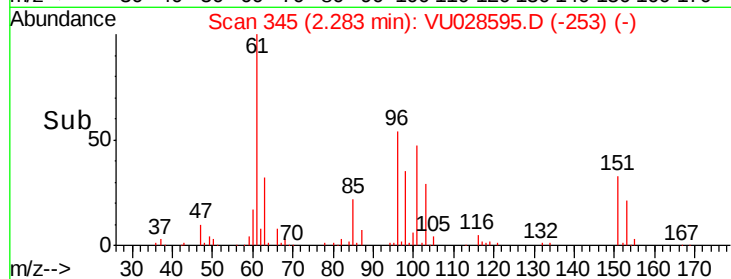
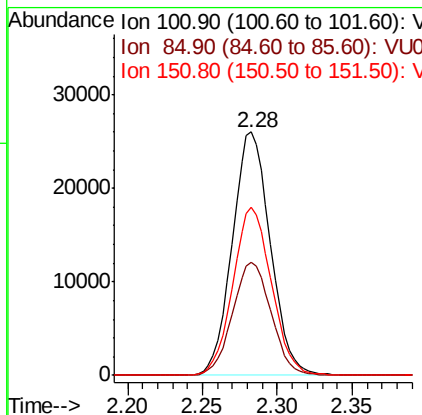
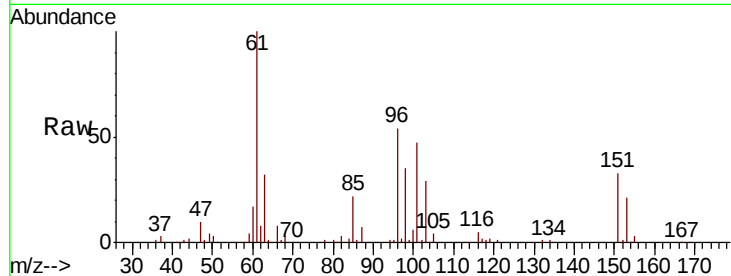
ClientSampleId :

P001-SW004-01MSD

Tot Ion:	101	Resp:	46015
Ion Ratio	Lower	Upper	
101	100		
85	47.0	36.4	54.6
151	69.9	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 61.826 ug/l

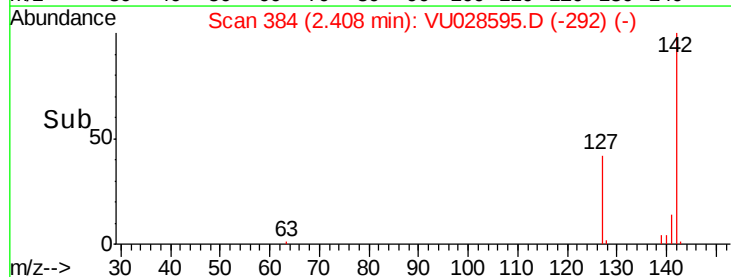
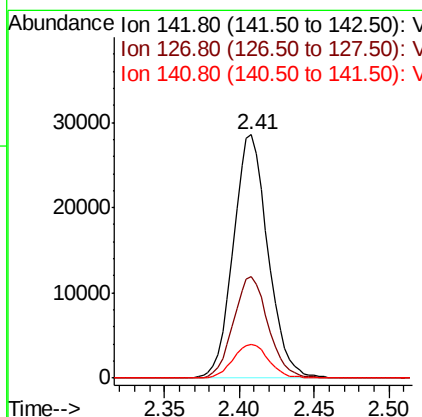
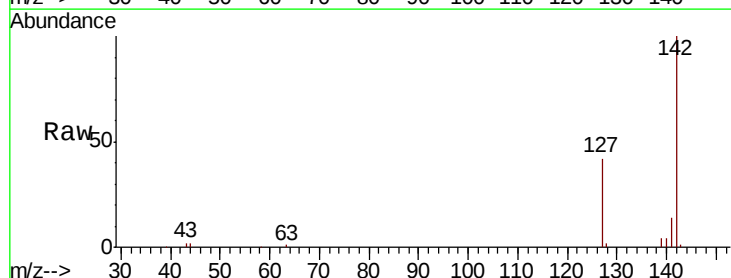
RT: 2.41 min Scan# 384

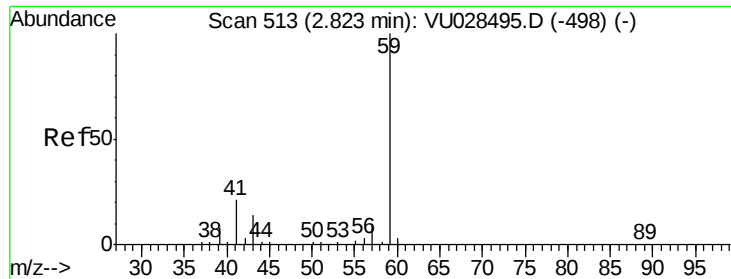
Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Tgt Ion:	142	Resp:	45968
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.5	50.3
141	14.2	11.2	16.8





#11

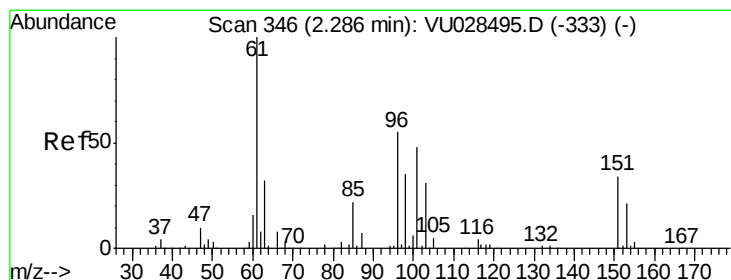
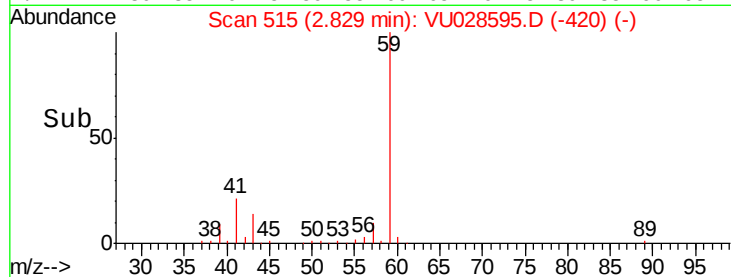
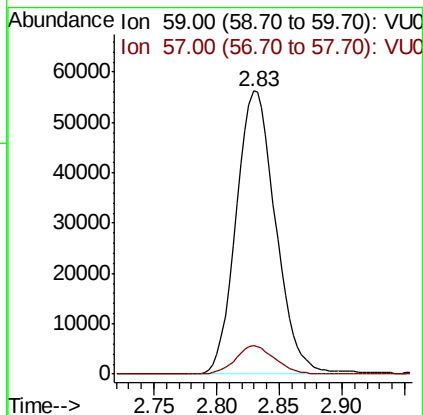
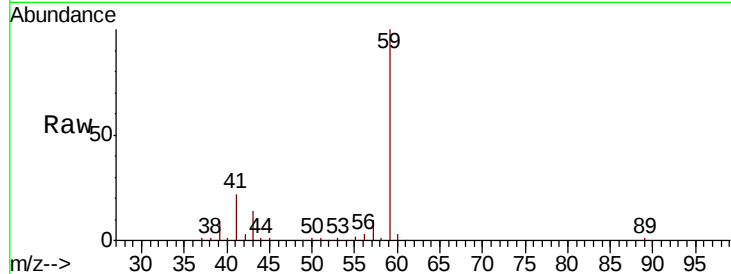
Tert butyl alcohol
Concen: 426.061 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	122667		
57	10.0		8.0	12.0

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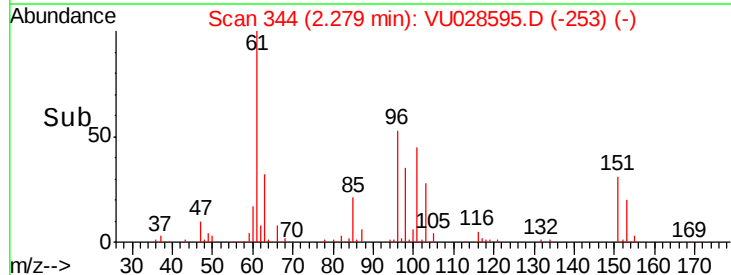
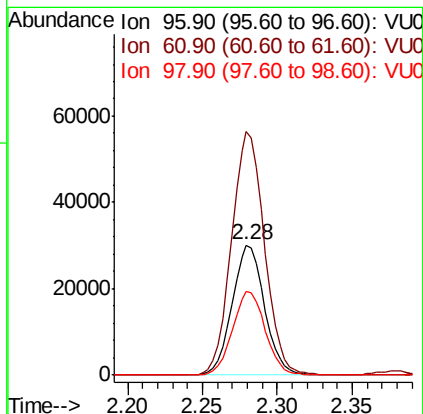
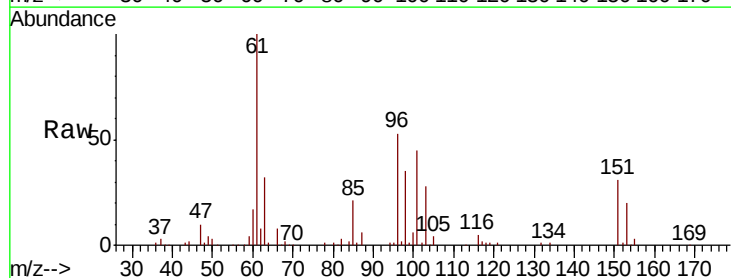
MMDadoda
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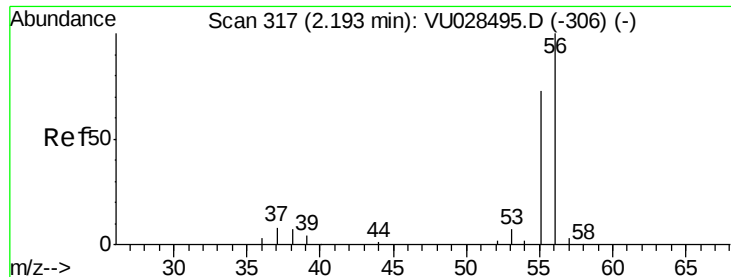


#12

1,1-Dichloroethene
Concen: 48.238 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	45479		
61	187.1		146.4	219.6
98	64.7		51.8	77.8





#13

Acrolein

Concen: 269.716 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 56 Resp: 61905

Ion Ratio Lower Upper

56 100

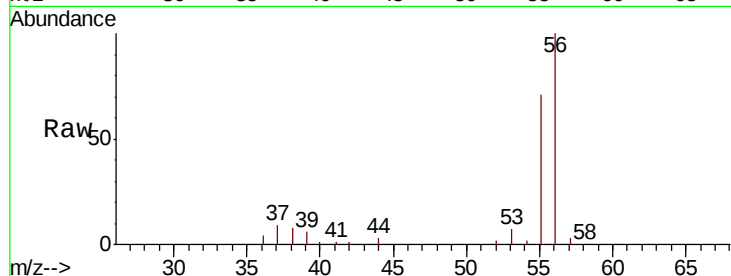
55 71.8 57.5 86.3

Manual Integrations

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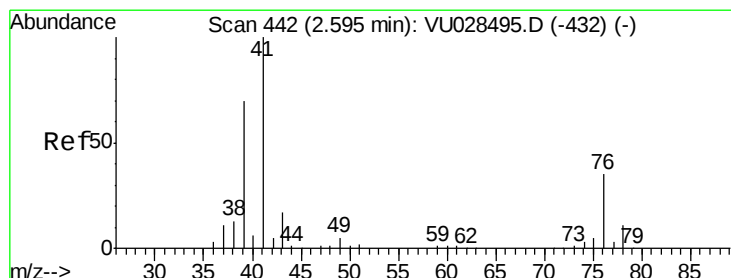
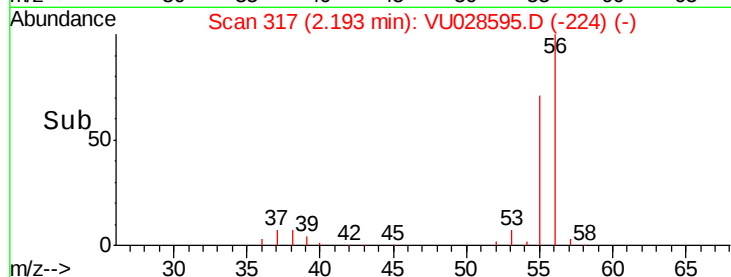
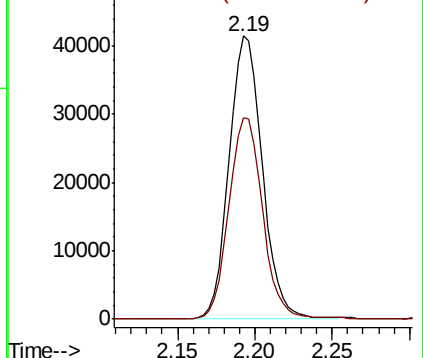
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 49.987 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

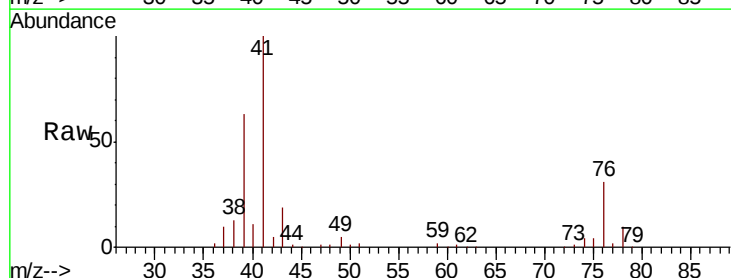
Tgt Ion: 41 Resp: 111488

Ion Ratio Lower Upper

41 100

39 63.6 50.8 76.2

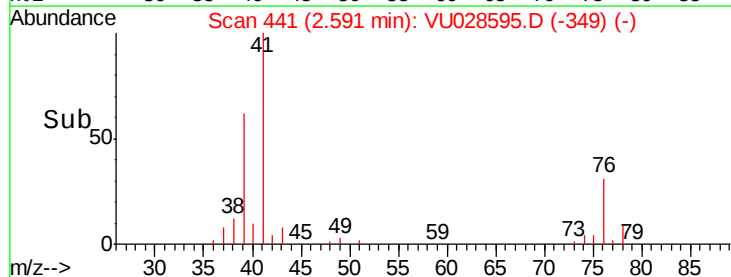
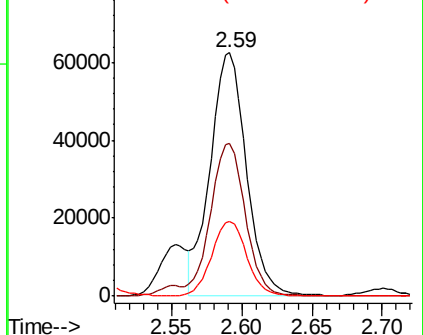
76 29.7 24.8 37.2

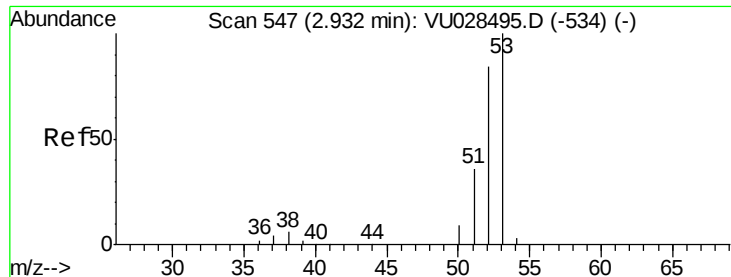


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 332.652 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

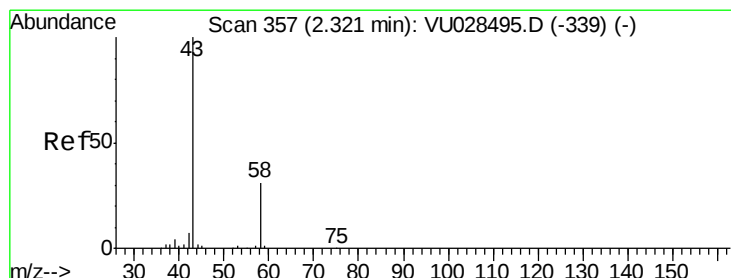
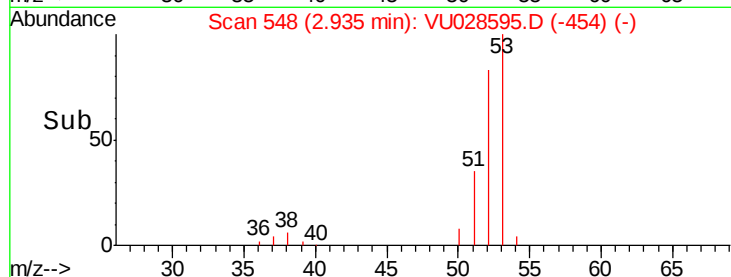
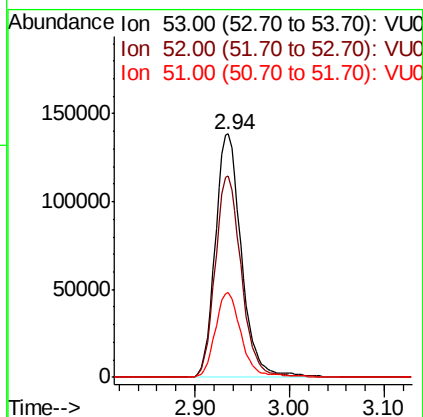
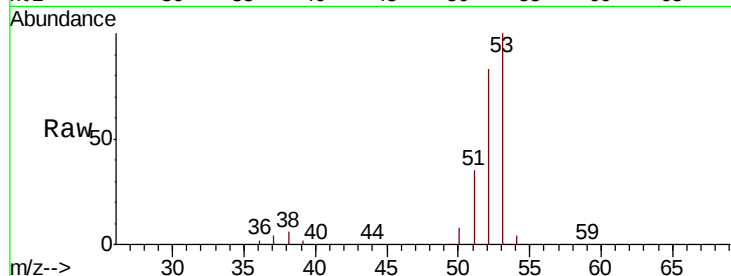
ClientSampleId :

P001-SW004-01MSD

Tot Ion:	53	Resp:	265898
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.1	99.1
51	34.6	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 440.499 ug/l

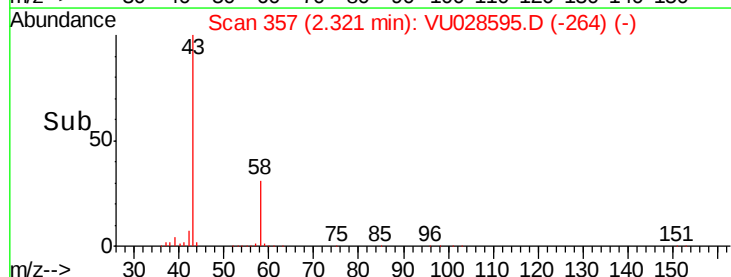
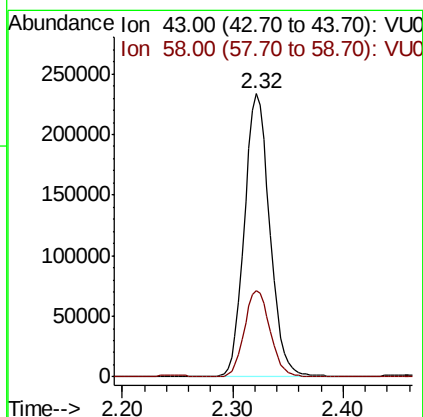
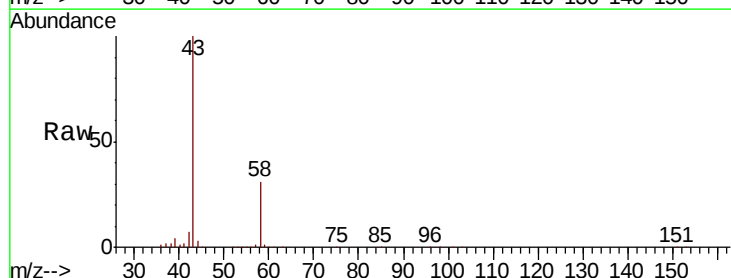
RT: 2.32 min Scan# 357

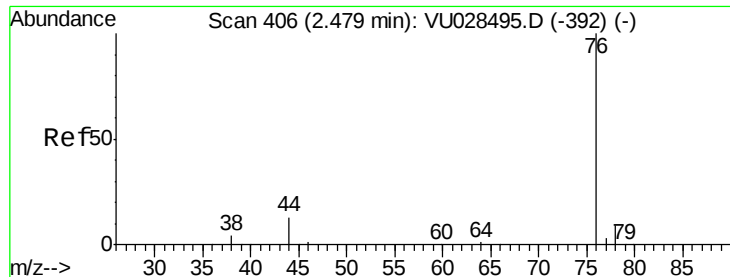
Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Tgt Ion:	43	Resp:	371454
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.6	37.0





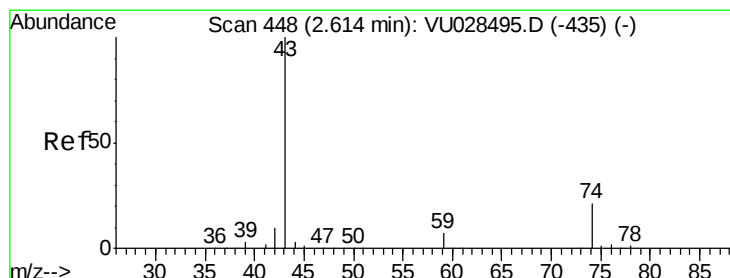
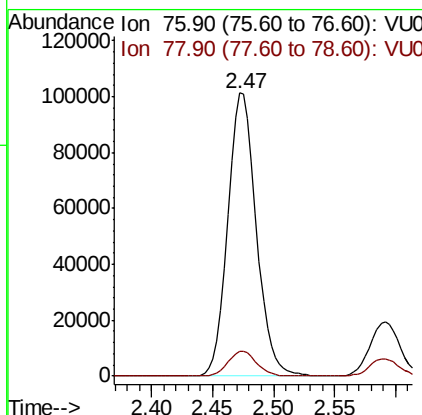
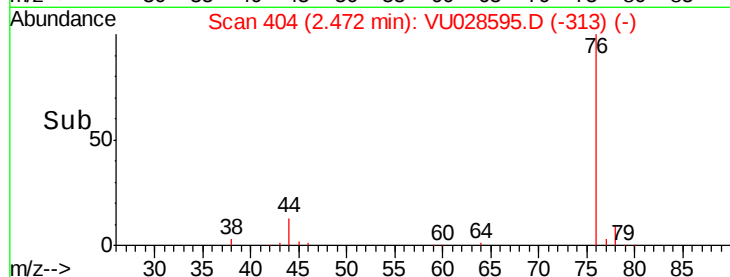
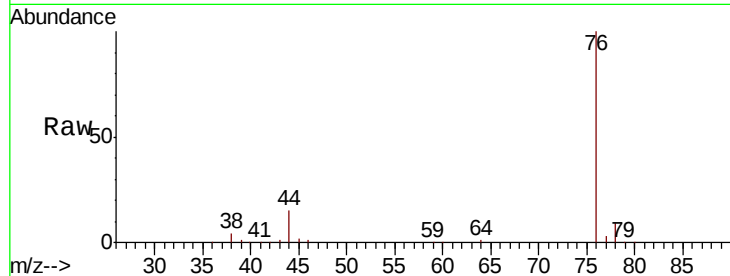
#17
Carbon Disulfide
Concen: 48.862 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion: 76 Resp: 165958
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

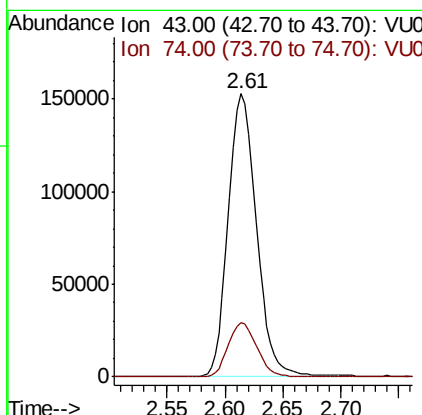
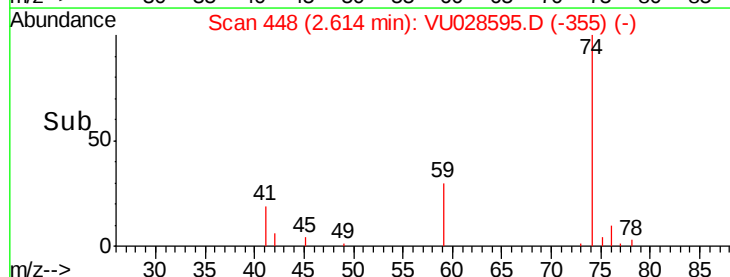
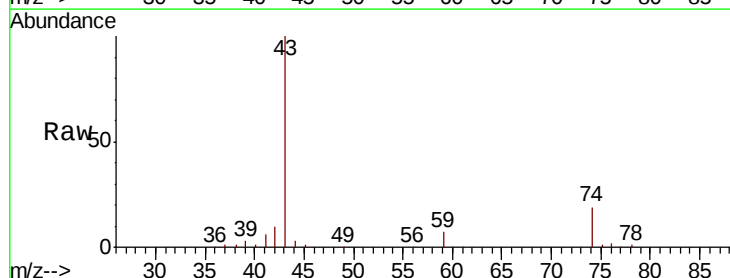
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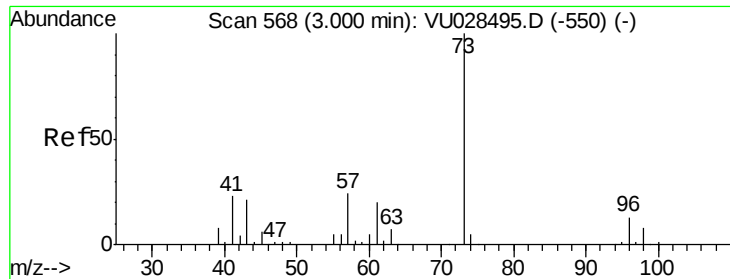
MMDadoda
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#18
Methyl Acetate
Concen: 118.027 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion: 43 Resp: 258000
Ion Ratio Lower Upper
43 100
74 19.5 16.4 24.6





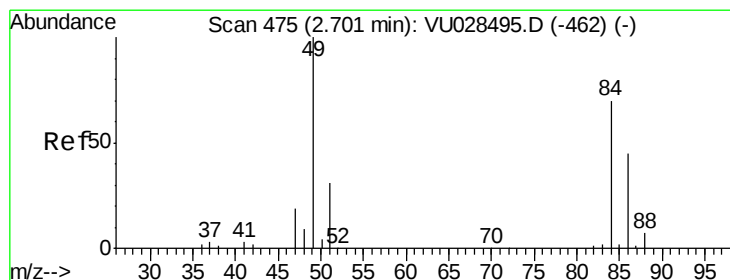
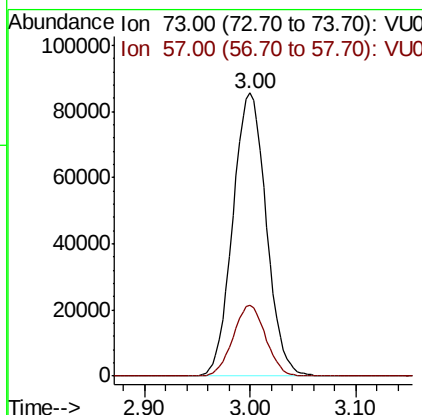
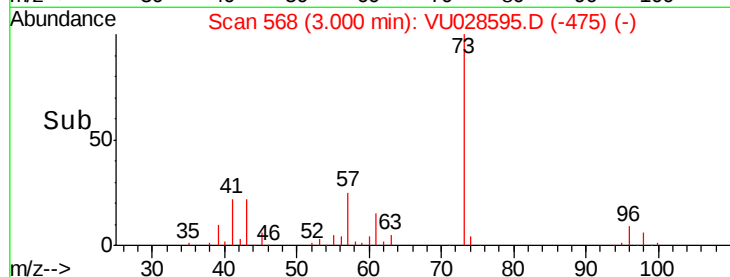
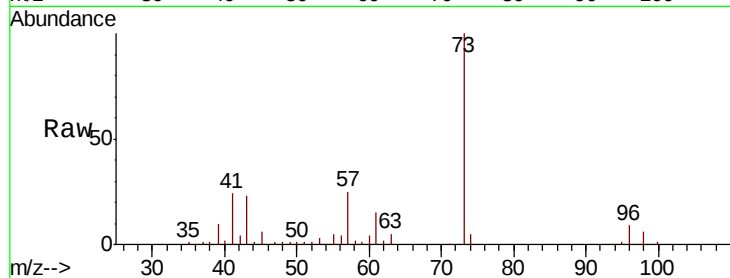
#19
Methvl tert-butvl Ether
Concen: 52.714 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.4	29.2

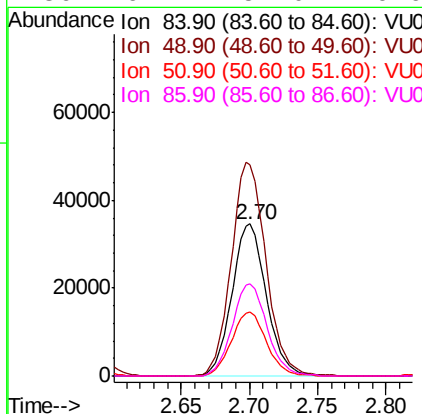
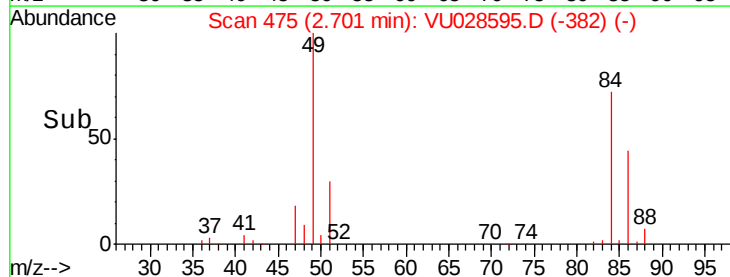
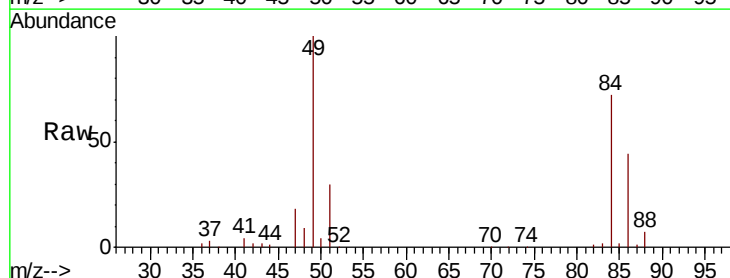
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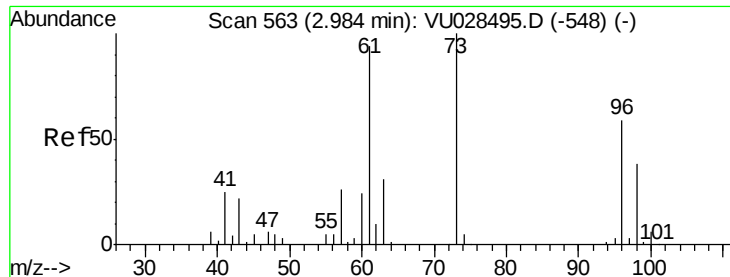
MMDadoda
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#20
Methylene Chloride
Concen: 48.775 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.2	114.0	171.0
51	42.2	35.1	52.7
86	61.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.553 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 96 Resp: 52601

Ion Ratio Lower Upper

96 100

61 162.9 127.0 190.4

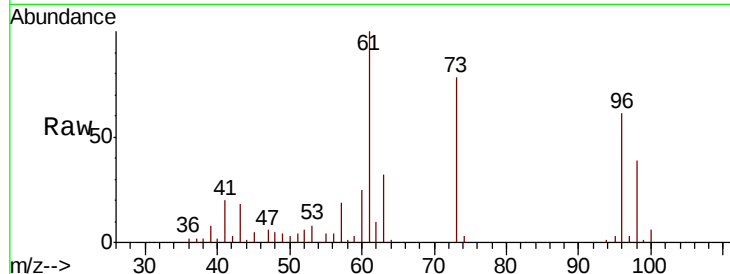
98 63.5 51.9 77.9

Manual Integrations

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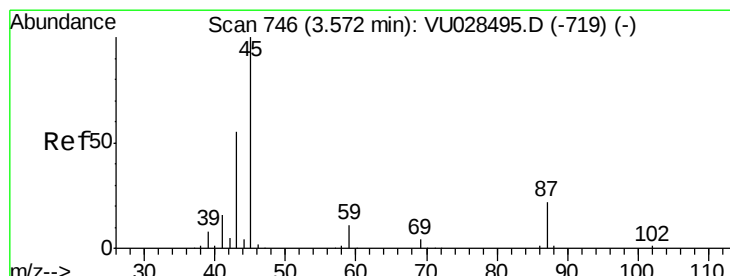
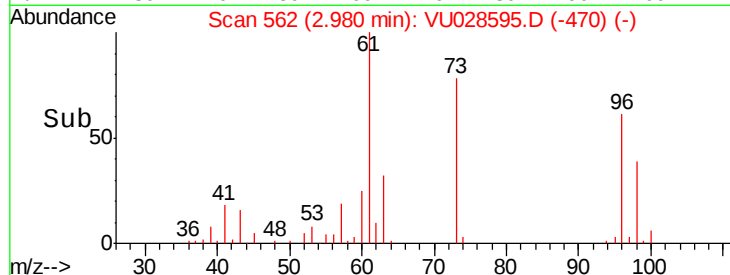
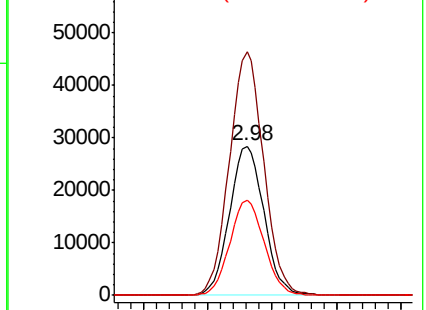


Abundance

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



#22

Diisopropyl ether

Concen: 53.677 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Tgt Ion: 45 Resp: 232813

Ion Ratio Lower Upper

45 100

43 53.8 45.3 67.9

87 21.9 17.6 26.4

59 10.6 8.8 13.2

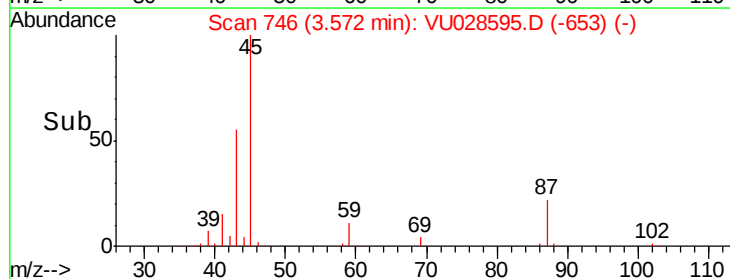
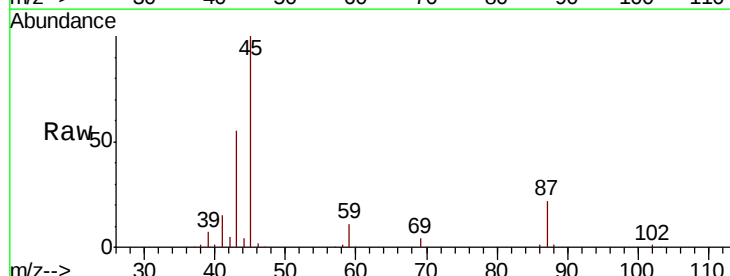
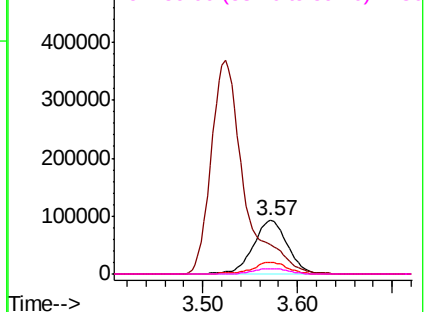
Abundance

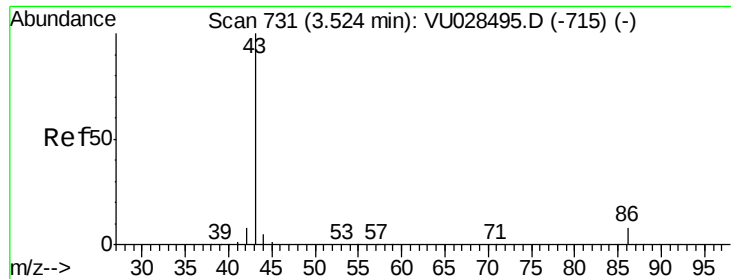
Ion 45.00 (44.70 to 45.70): VU0

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





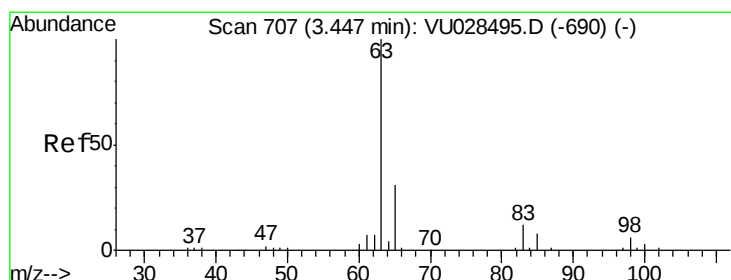
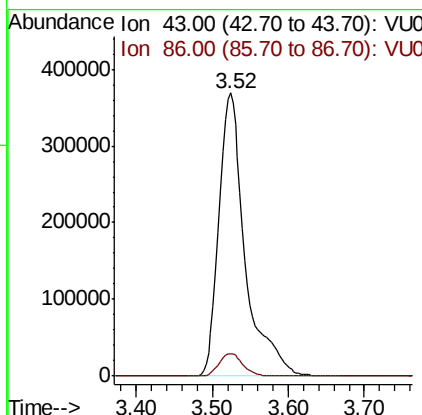
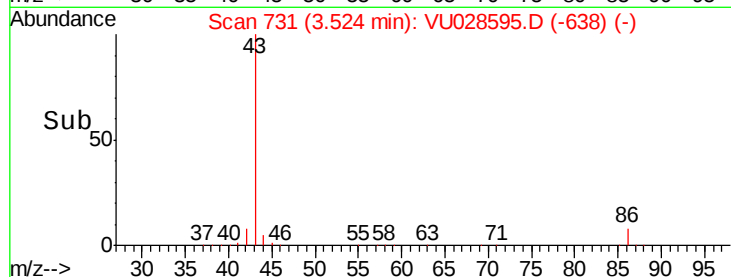
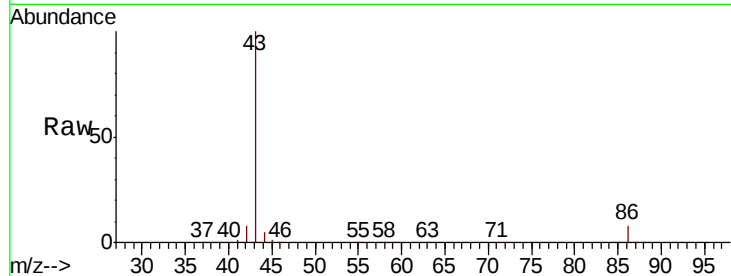
#23
 Vinyl Acetate
 Concen: 248.444 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion: 43 Resp: 888828
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.8 10.2

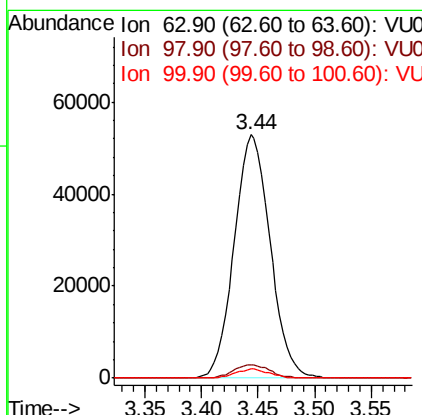
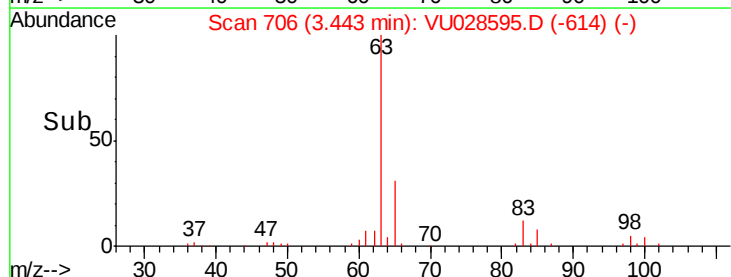
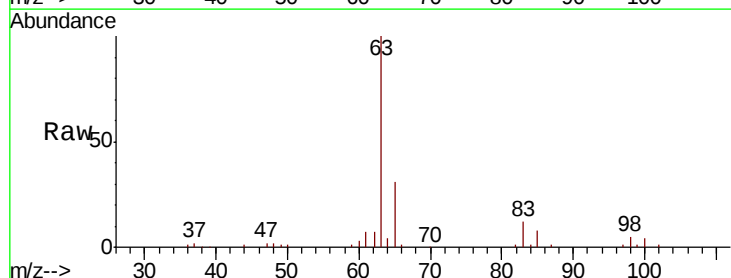
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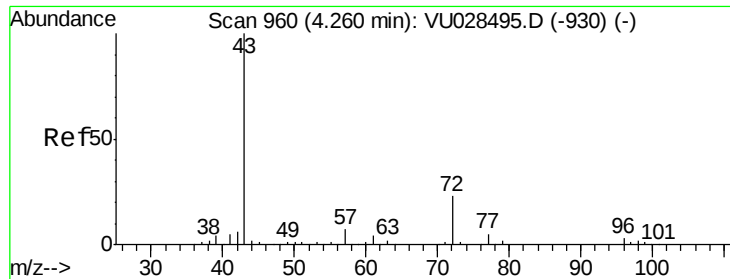
MMDadoda
 12/11/2018 3:02:47 PM



#24
 1,1-Dichloroethane
 Concen: 51.661 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 63 Resp: 117291
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.0 9.2
 100 3.7 1.7 5.1





#25

2-Butanone

Concen: 365.256 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 43 Resp: 420919

Ion Ratio Lower Upper

43 100

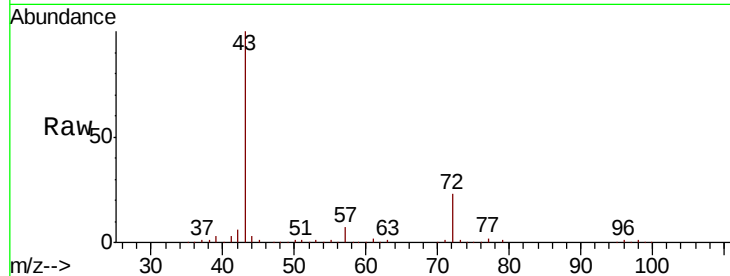
72 22.6 18.6 28.0

Manual Integrations

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12/11/2018 3:02:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

200000

150000

100000

50000

0

4.20 4.30

4.26

4.23

4.27

4.29

4.31

4.33

4.35

4.37

4.39

4.41

4.43

4.45

4.47

4.49

4.51

4.53

4.55

4.57

4.59

4.61

4.63

4.65

4.67

4.69

4.71

4.73

4.75

4.77

4.79

4.81

4.83

4.85

4.87

4.89

4.91

4.93

4.95

4.97

4.99

5.01

5.03

5.05

5.07

5.09

5.11

5.13

5.15

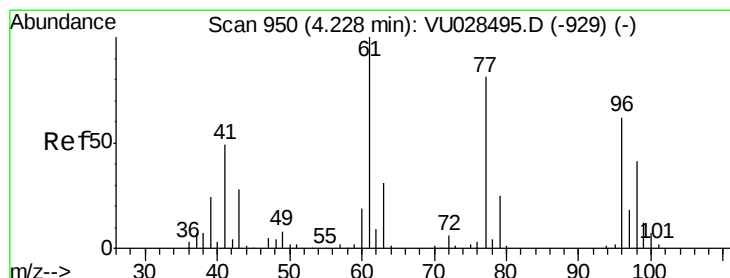
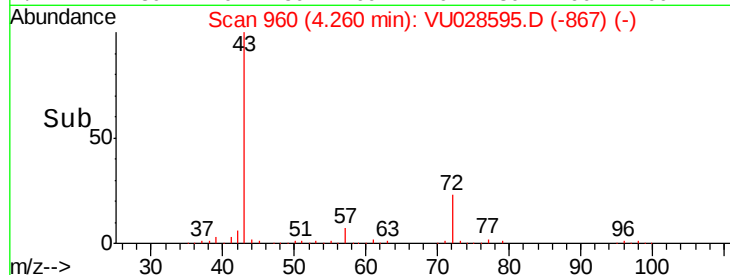
5.17

5.19

5.21

5.23

5.25



#26

2,2-Dichloropropane

Concen: 35.641 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028595.D

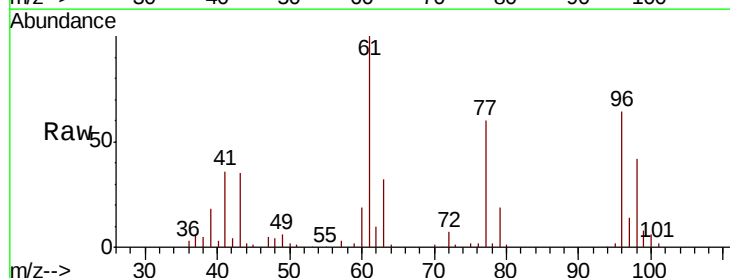
Acq: 11 Dec 2018 09:42

Tgt Ion: 77 Resp: 64116

Ion Ratio Lower Upper

77 100

97 23.2 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

25000

20000

15000

10000

5000

0

4.10 4.15 4.20 4.25 4.30

4.23

4.21

4.25

4.27

4.29

4.31

4.33

4.35

4.37

4.39

4.41

4.43

4.45

4.47

4.49

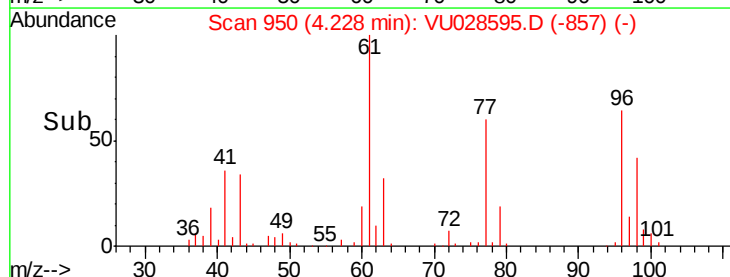
4.51

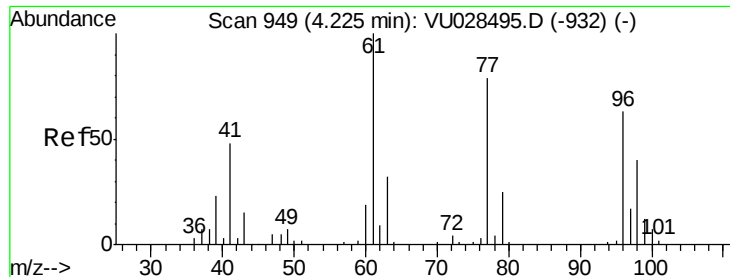
4.53

4.55

4.57

4.59





#27

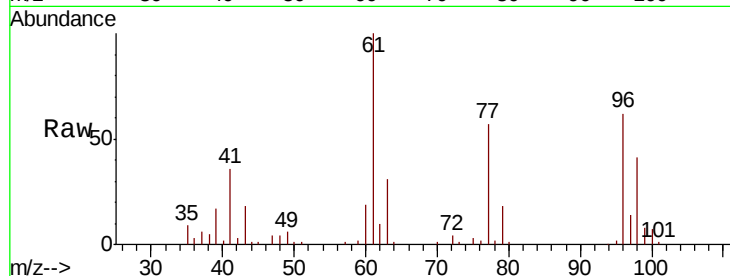
cis-1,2-Dichloroethene
Concen: 51.417 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	332.4
98	64.4	0.0	129.0

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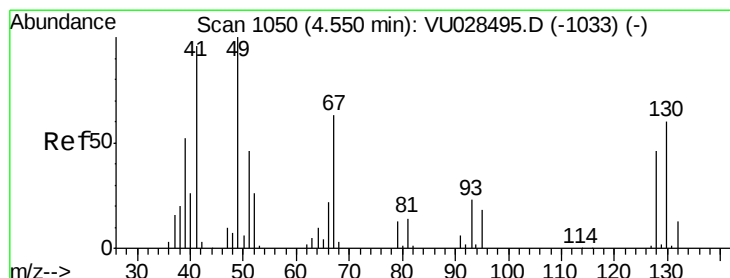
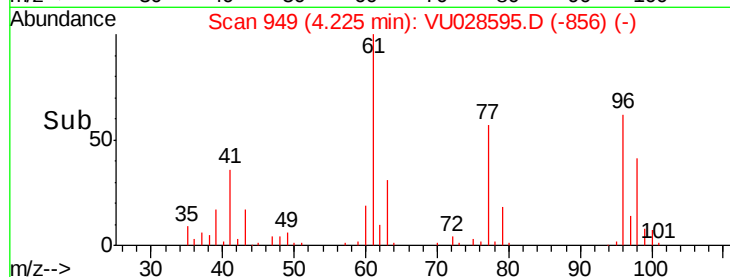
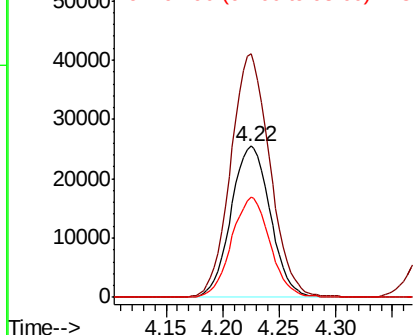


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

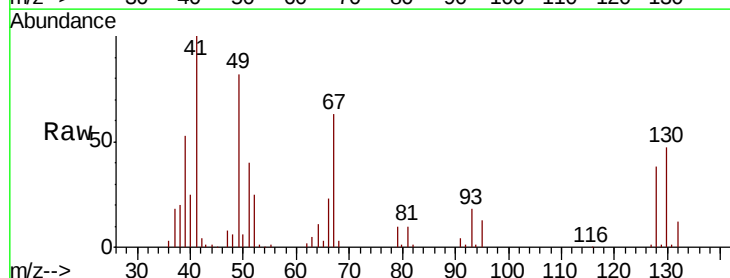
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 56.841 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	57.7	47.8	71.8

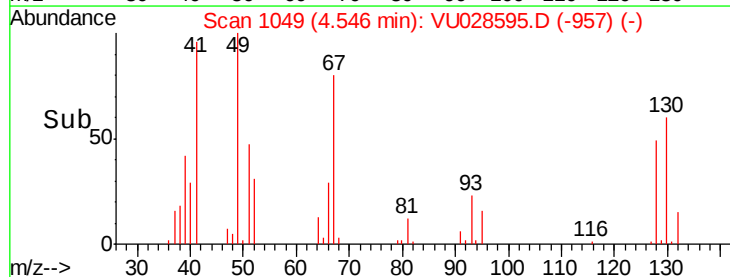
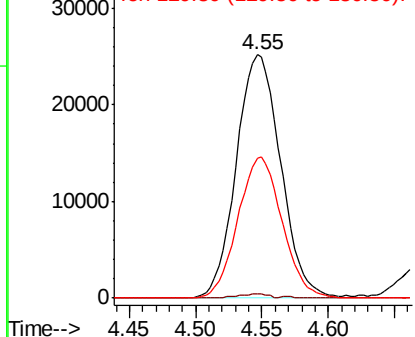


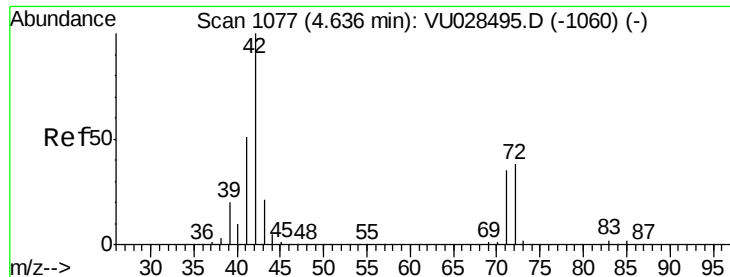
Abundance

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





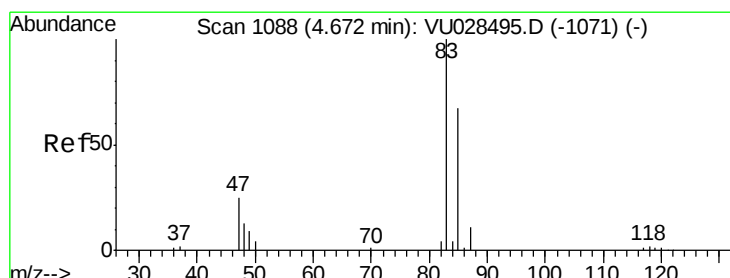
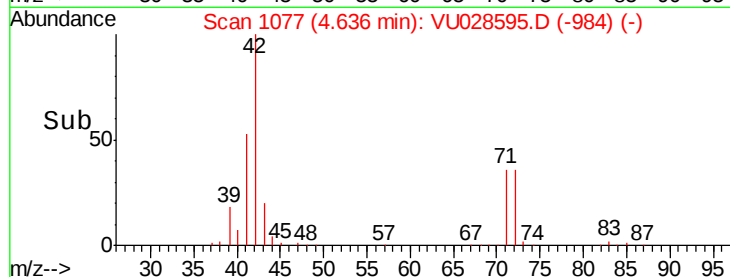
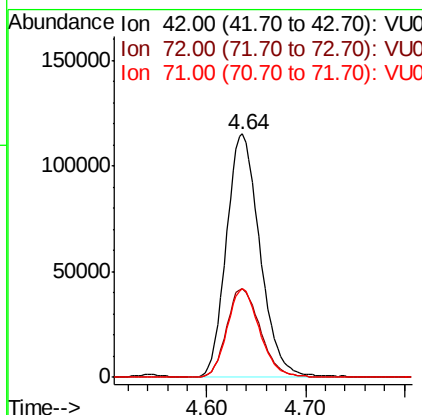
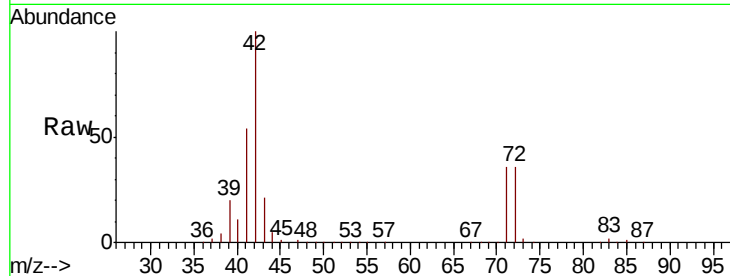
#29
Tetrahydrofuran
Concen: 367.837 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	31.4	47.0
71	35.6	28.6	43.0

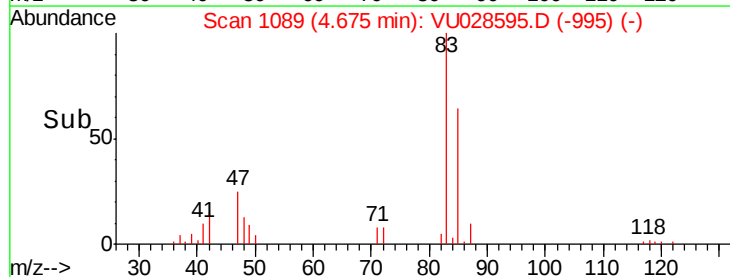
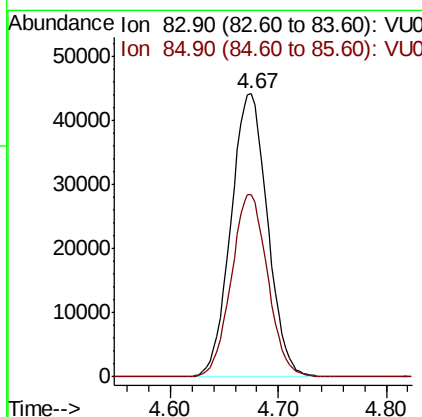
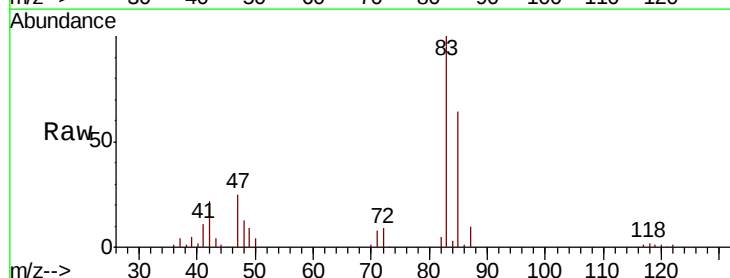
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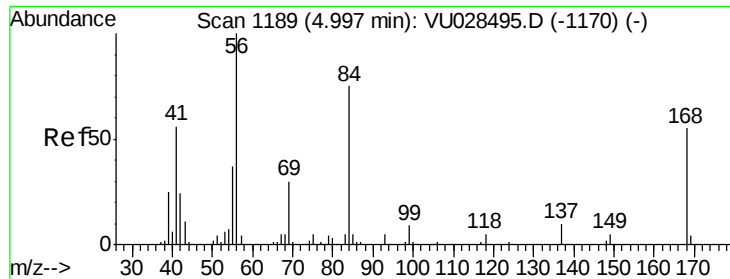
MMDadoda
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#30
Chloroform
Concen: 52.818 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.6	80.4





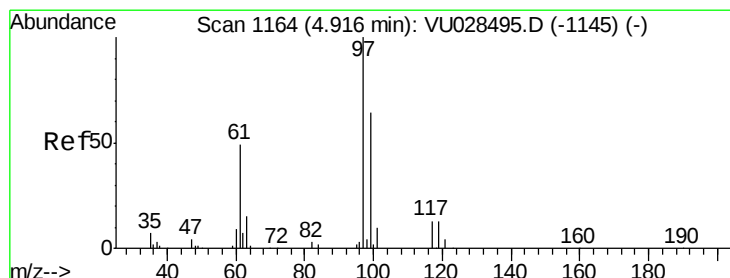
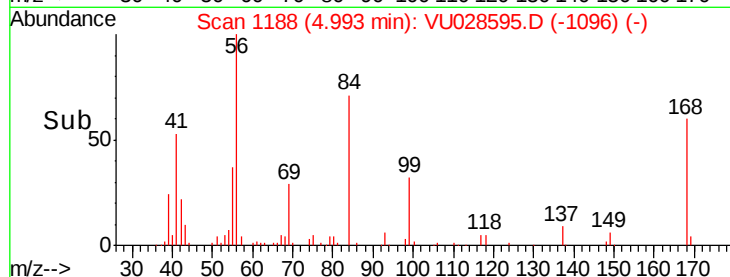
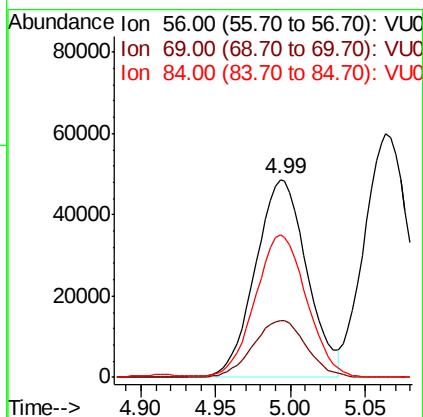
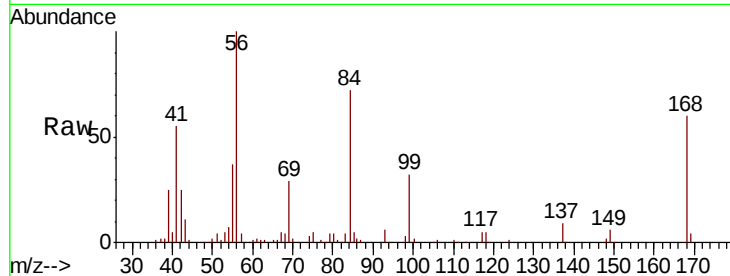
#31
Cyclohexane
Concen: 52.575 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.0	36.0
84	71.5	59.7	89.5

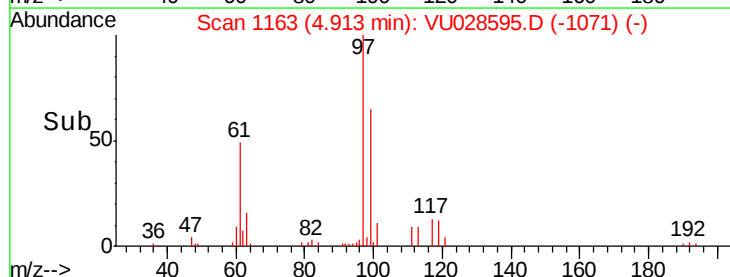
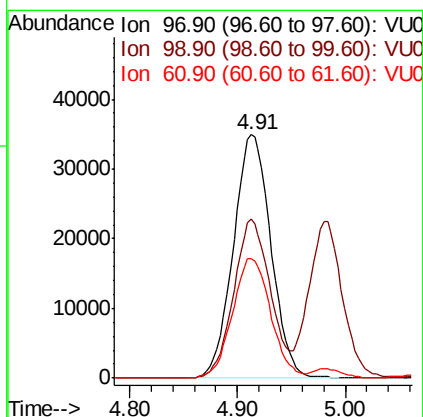
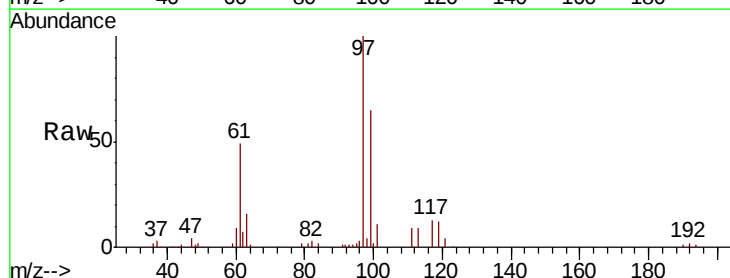
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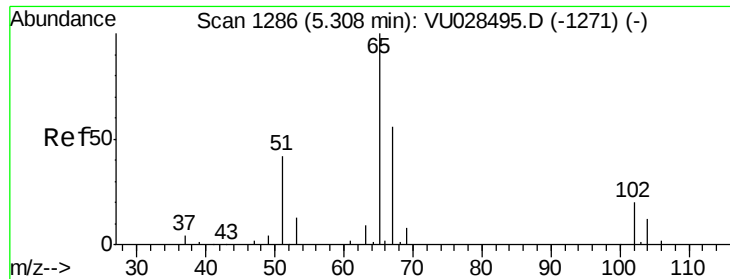
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#32
1,1,1-Trichloroethane
Concen: 51.516 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.3	78.5
61	49.9	39.0	58.6





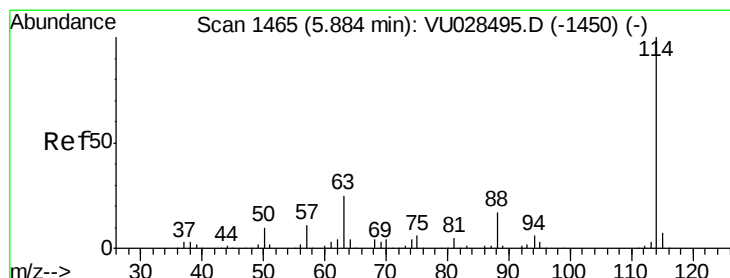
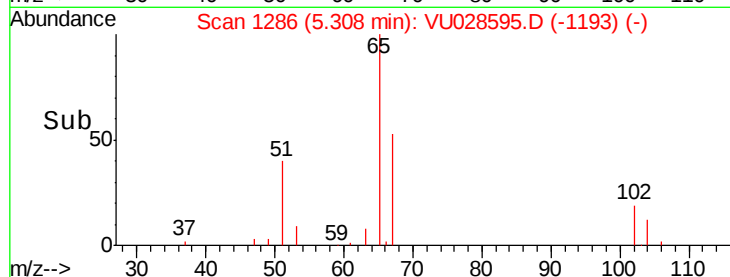
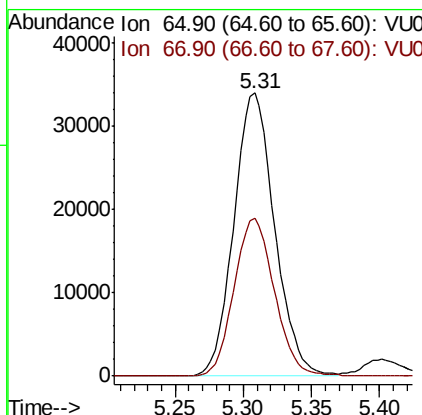
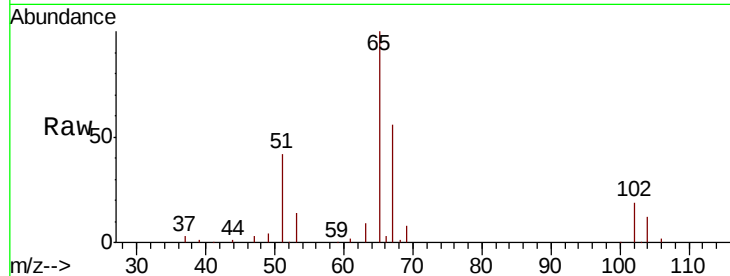
#33
 1,2-Dichloroethane-d4
 Concen: 54.609 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	110.6

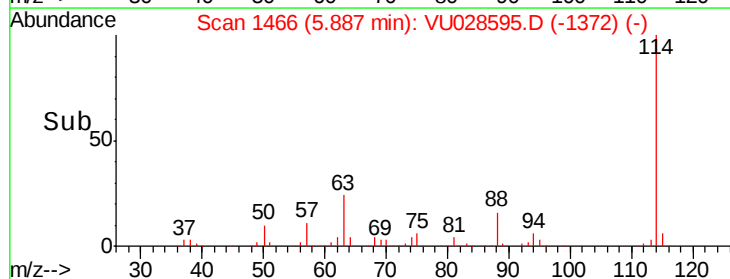
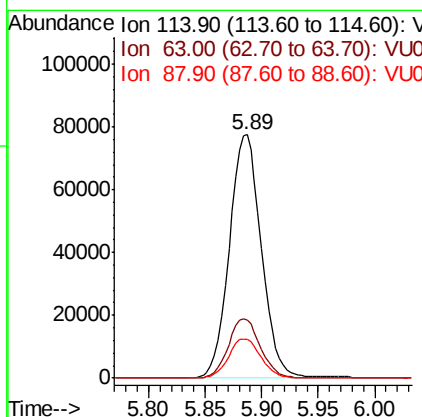
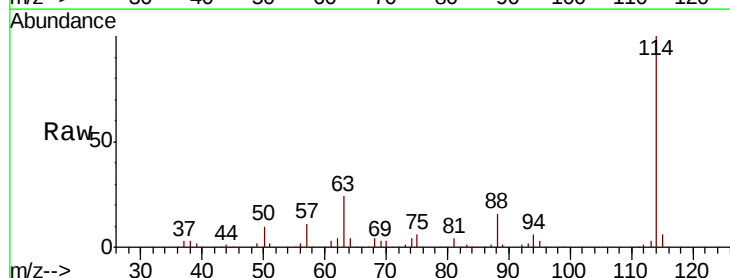
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	15.8	0.0	33.4





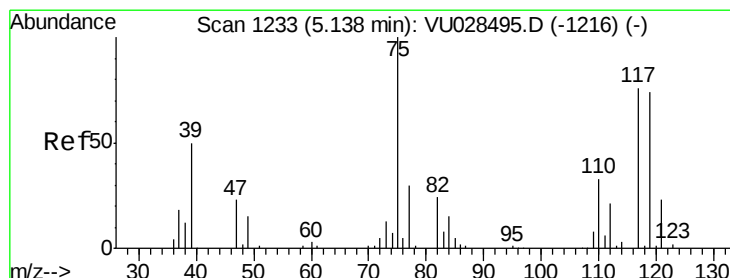
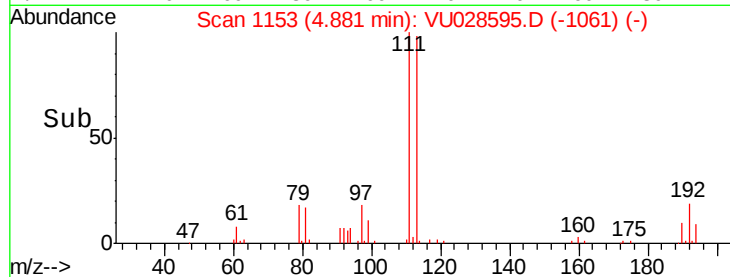
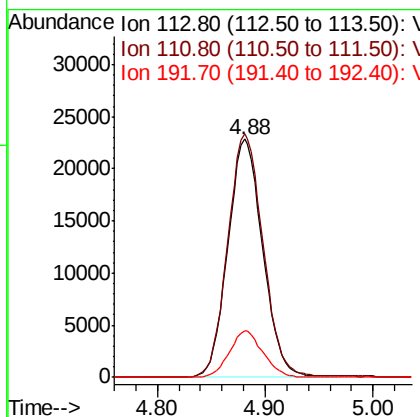
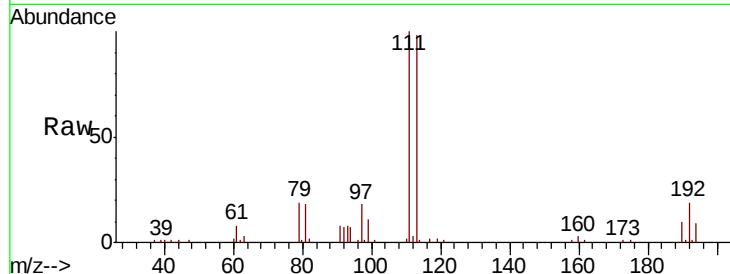
#35
 Dibromofluoromethane
 Concen: 53.680 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.4	125.0
192	18.6	14.8	22.2

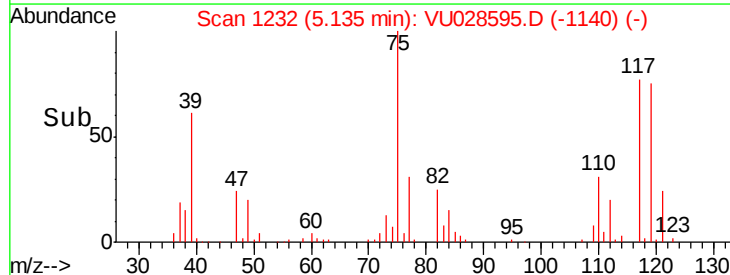
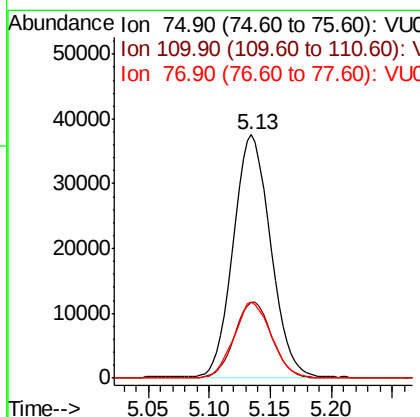
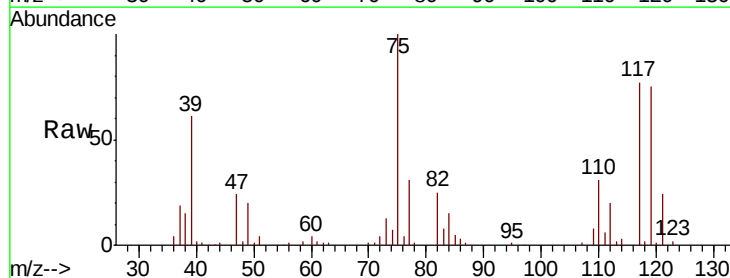
Manual Integrations
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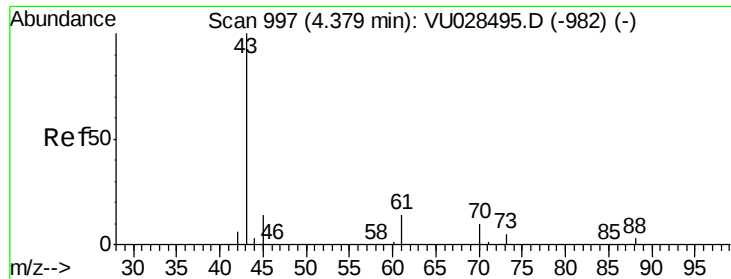
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#36
 1,1-Dichloropropene
 Concen: 47.410 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.7	16.1	48.2
77	31.5	24.5	36.7





#37

Ethyl Acetate

Concen: 58.086 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

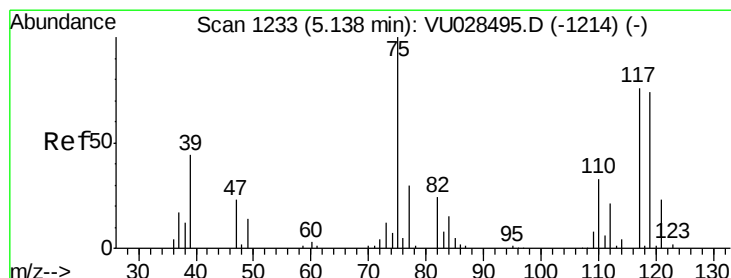
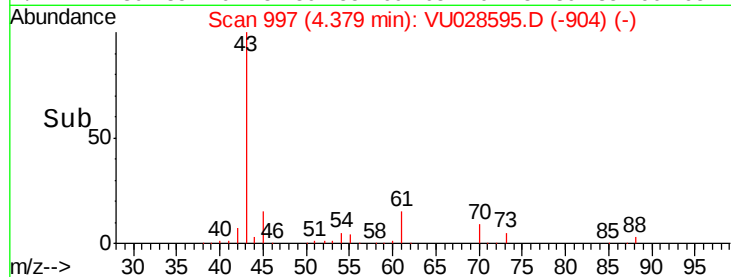
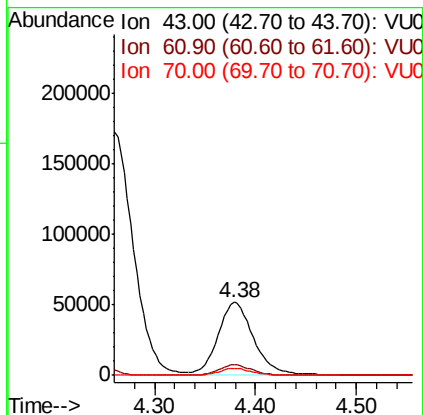
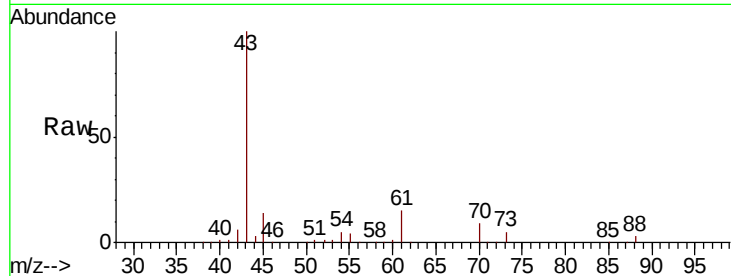
ClientSampleId :

P001-SW004-01MSD

Tot Ion:	43	Resp:	125420
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	9.0	7.4	11.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.252 ug/l

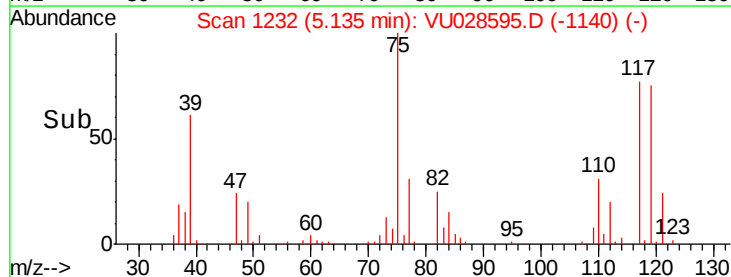
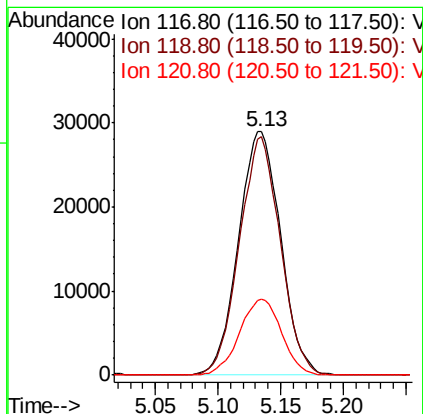
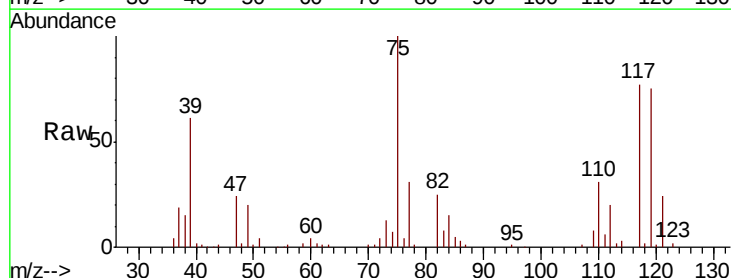
RT: 5.13 min Scan# 1232

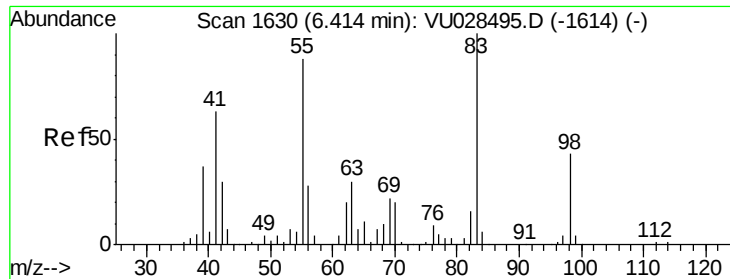
Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Tgt Ion:	117	Resp:	67652
Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.6	116.4
121	31.2	24.6	36.8





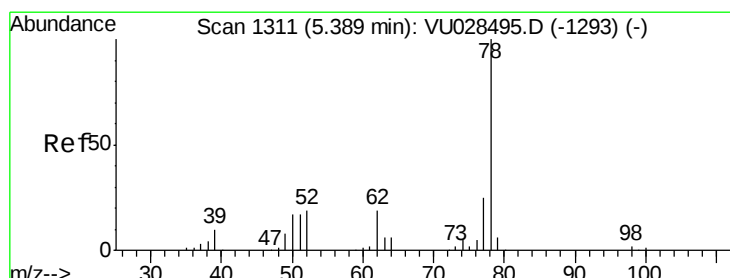
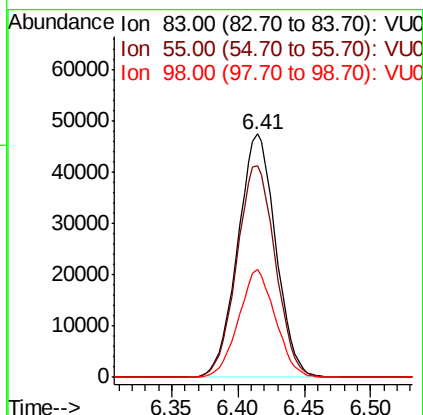
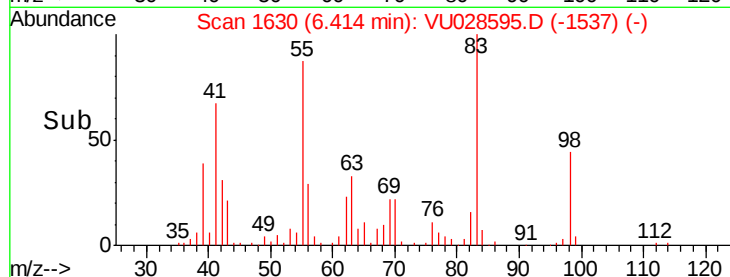
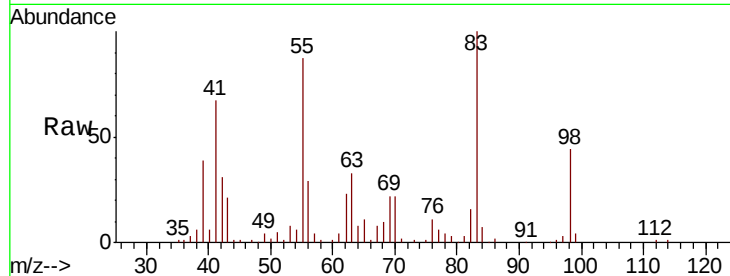
#39
Methvlcvclohexane
Concen: 46.365 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	70.2	105.2
98	44.2	34.2	51.4

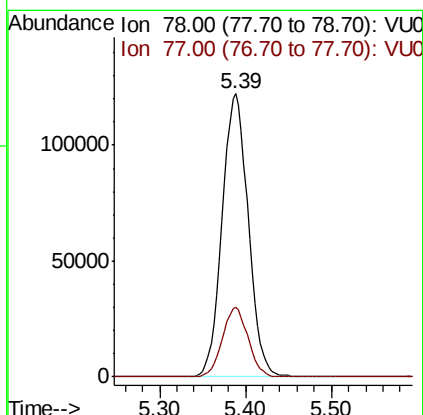
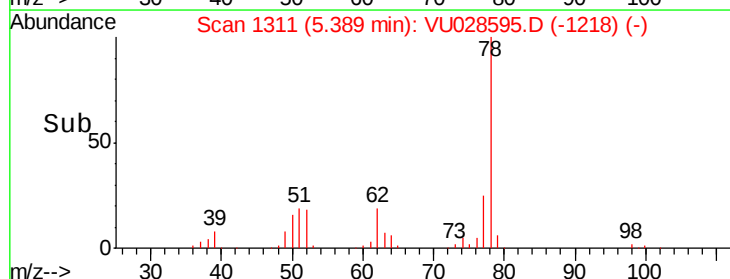
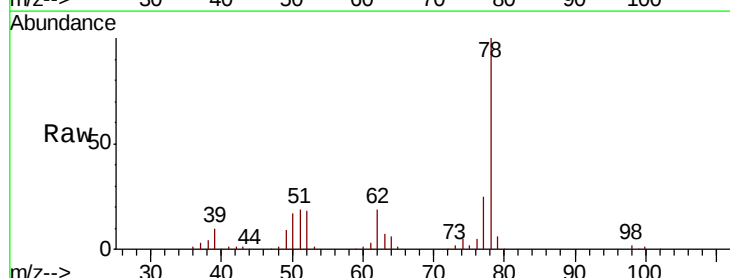
Manual Integrations
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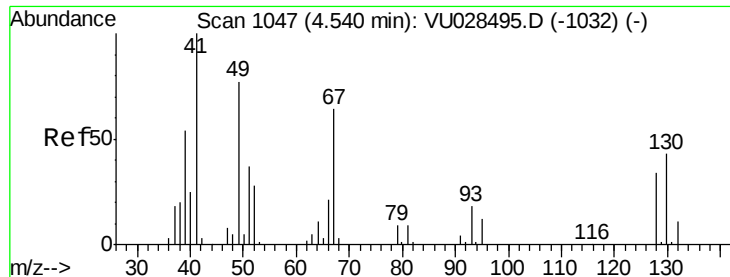
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#40
Benzene
Concen: 52.601 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.9	29.9





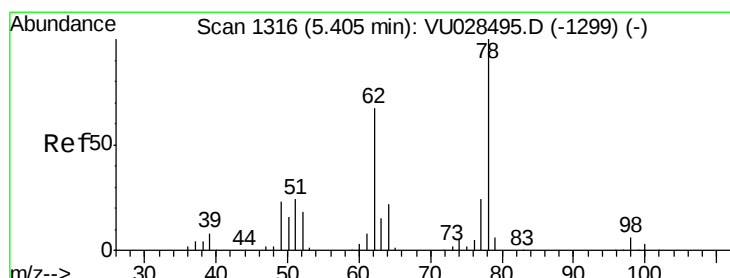
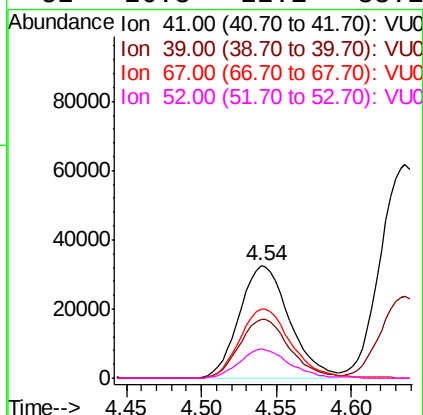
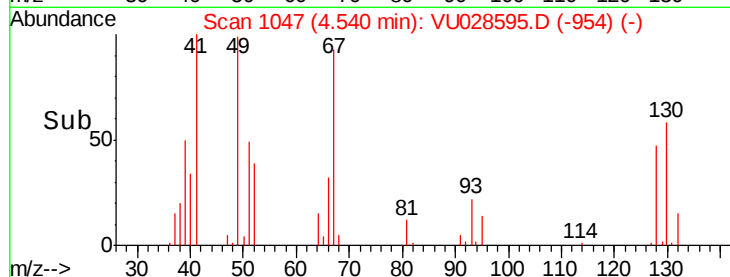
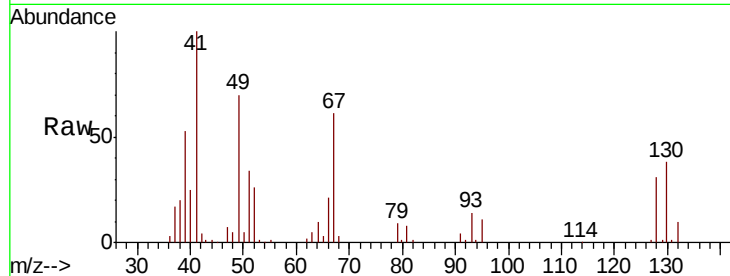
#41
Methacrylonitrile
Concen: 64.299 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	43.3	64.9	
67	62.8	53.6	80.4	
52	26.3	22.1	33.1	

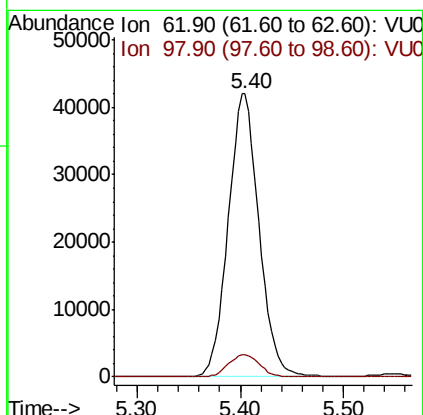
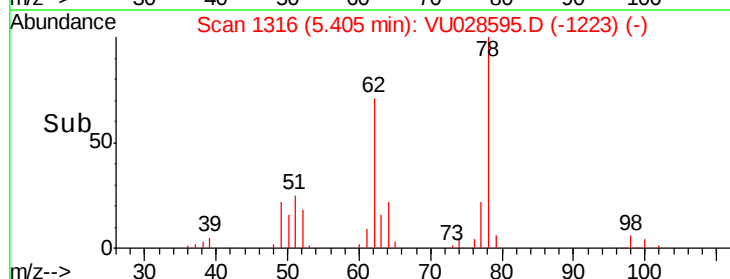
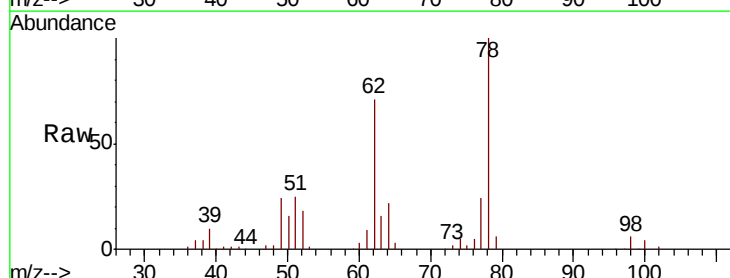
Manual Integrations
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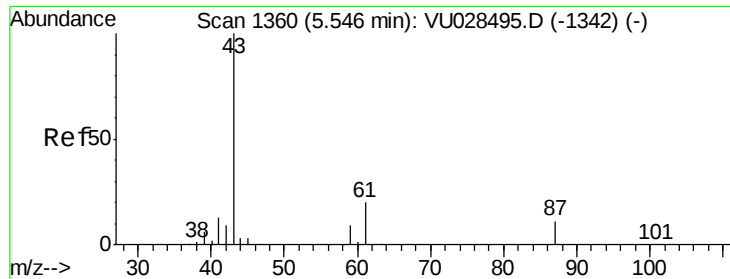
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.722 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	17.2	





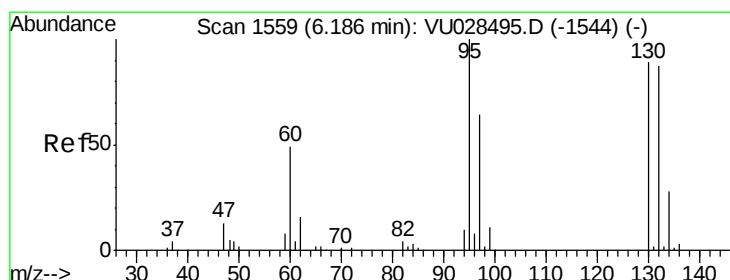
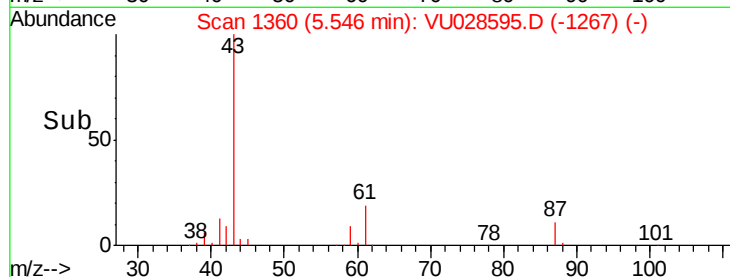
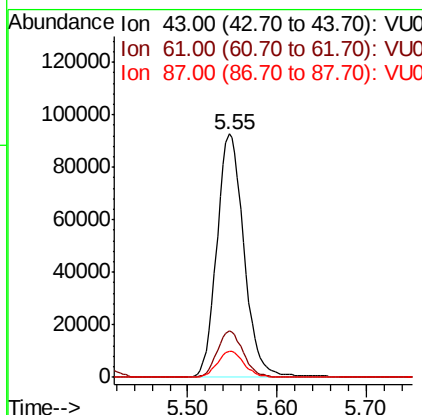
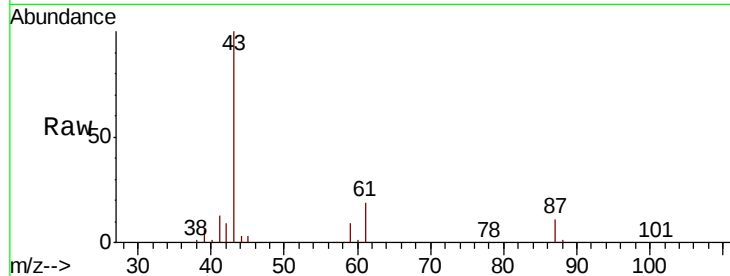
#43
Isopropyl Acetate
Concen: 56.577 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.5	23.3
87	10.7	8.7	13.1

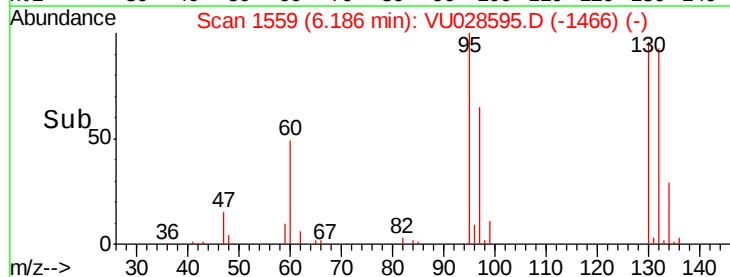
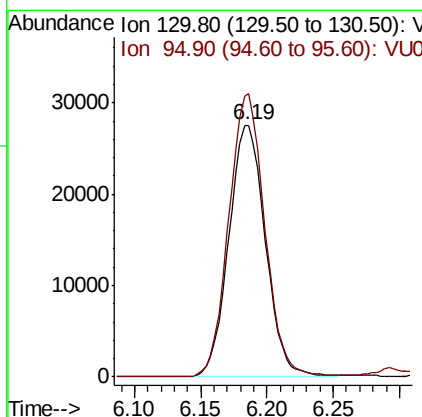
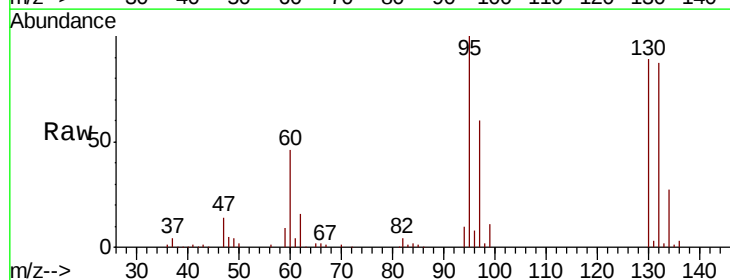
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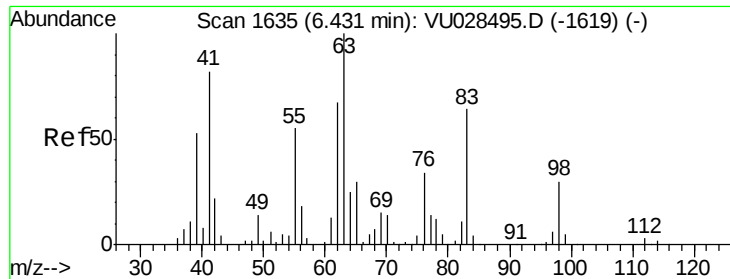
MMDadoda
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#44
Trichloroethene
Concen: 48.386 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.5	0.0	224.0





#45

1,2-Dichloropropane

Concen: 52.570 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 63 Resp: 72724

Ion Ratio Lower Upper

63 100

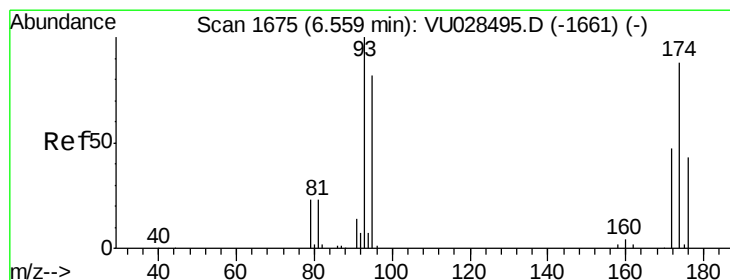
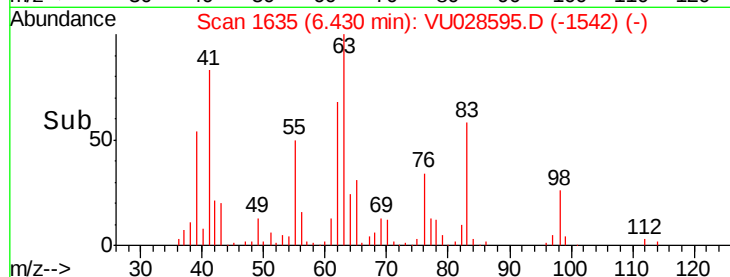
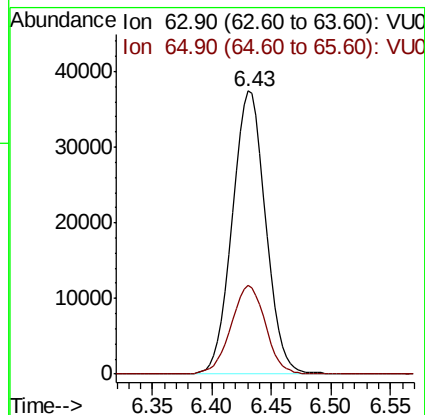
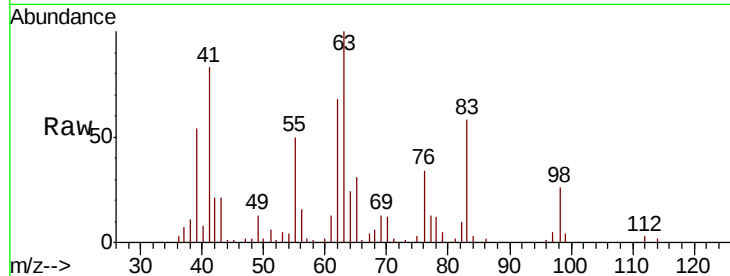
65 31.4 24.2 36.4

Manual Integrations

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#46

Dibromomethane

Concen: 52.305 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

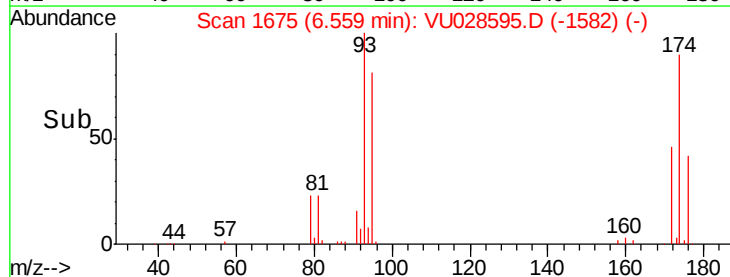
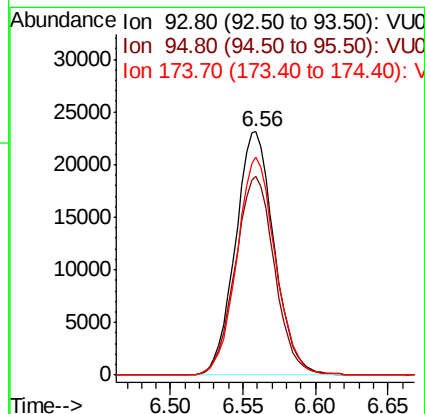
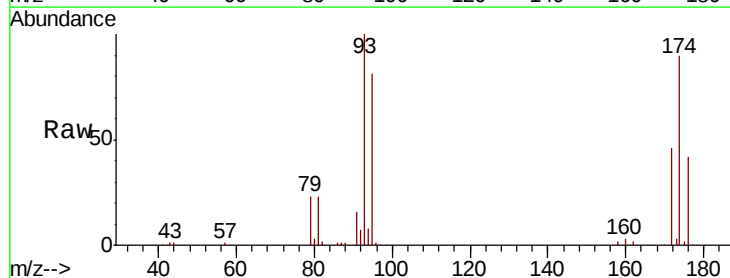
Tgt Ion: 93 Resp: 42932

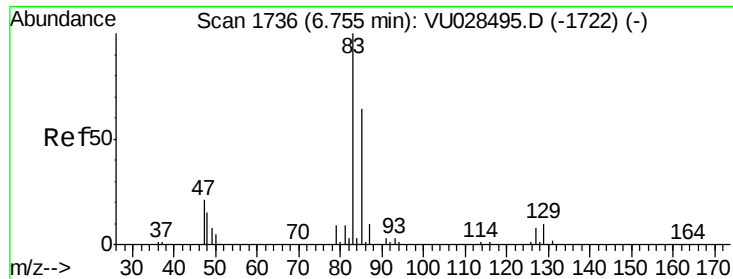
Ion Ratio Lower Upper

93 100

95 82.7 65.4 98.2

174 89.1 72.2 108.4





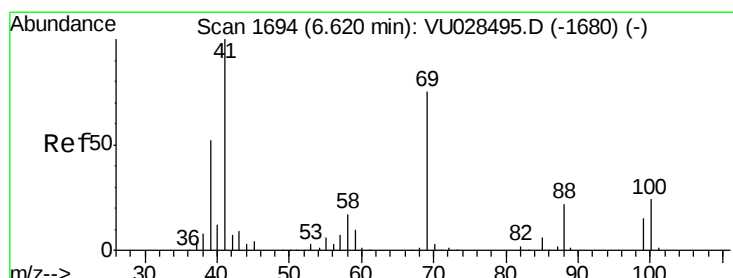
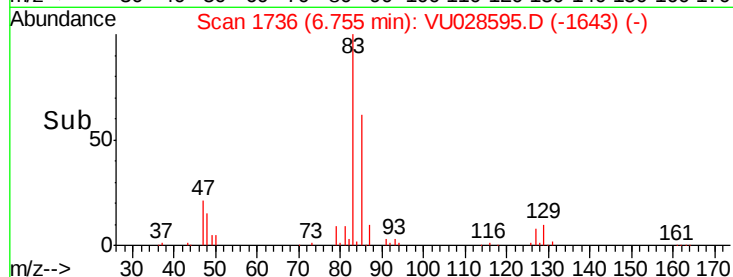
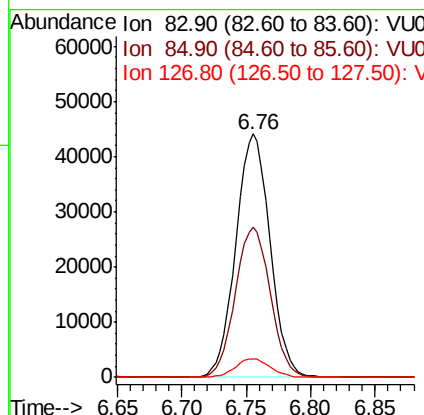
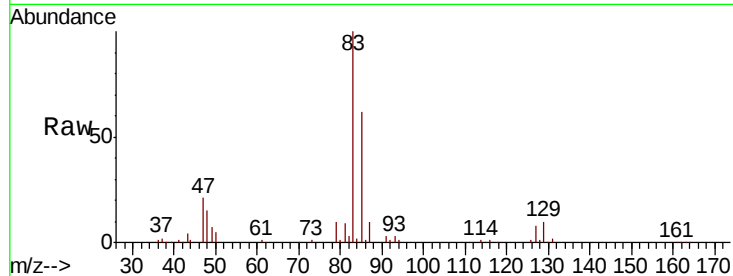
#47
Bromodichloromethane
Concen: 51.079 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.5	77.3
127	7.7	6.2	9.4

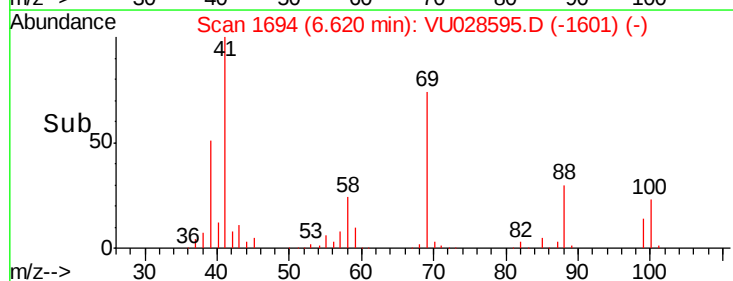
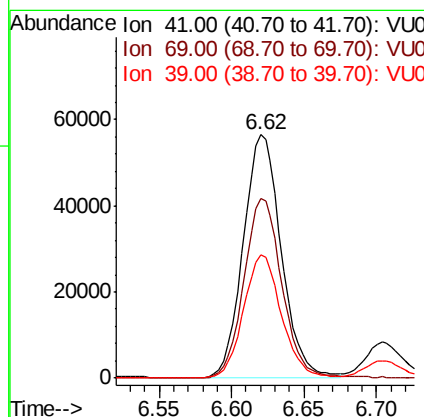
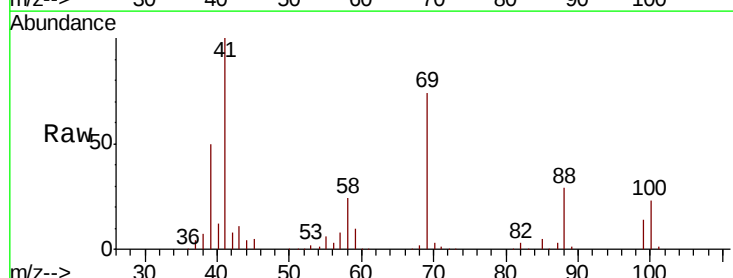
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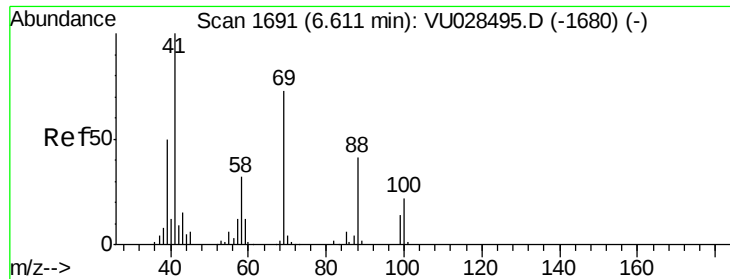
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#48
Methyl methacrylate
Concen: 60.410 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.2	60.4	90.6
39	51.0	41.1	61.7





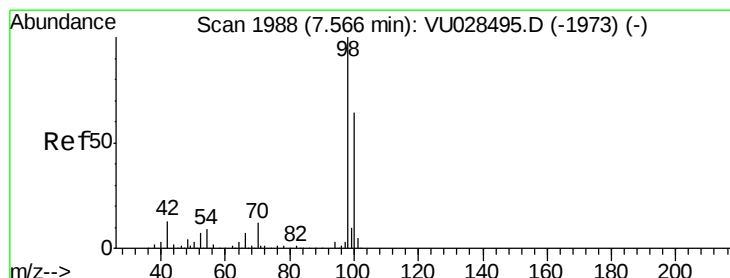
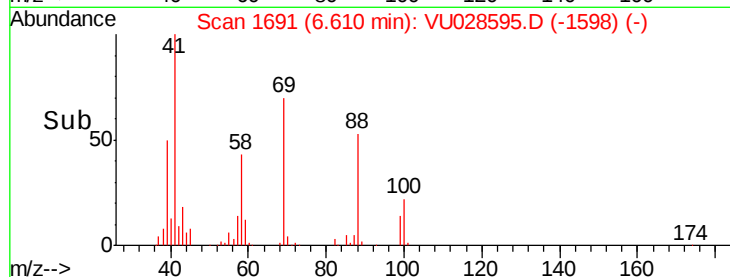
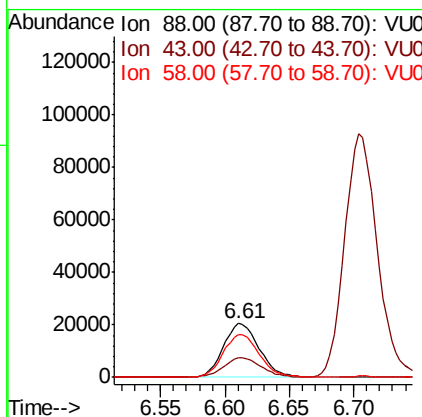
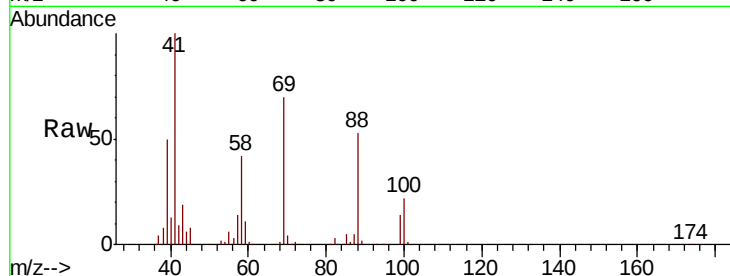
#49
1,4-Dioxane
Concen: 1489.949 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	30.9	46.3
58	80.4	62.4	93.6

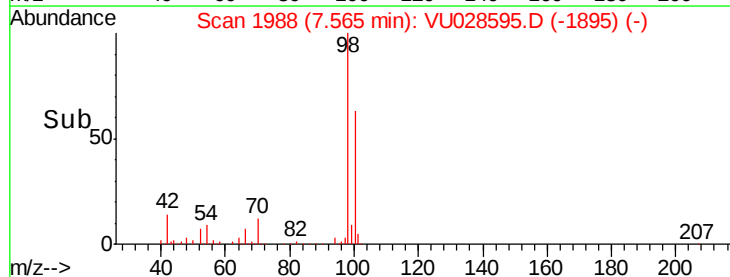
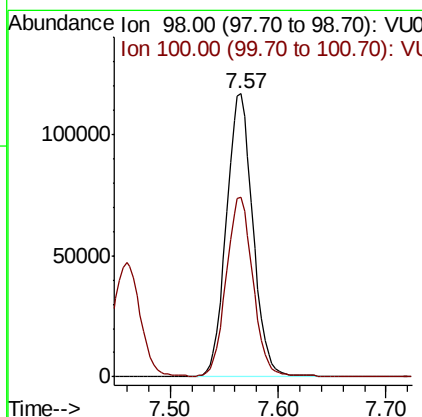
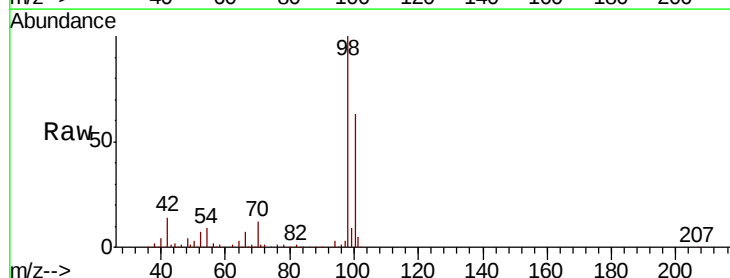
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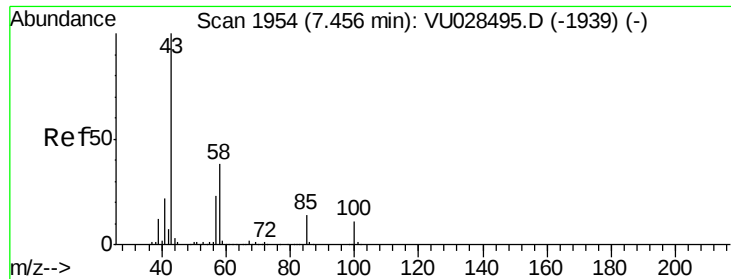
MMDadoda
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#50
Toluene-d8
Concen: 52.918 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 347.763 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 43 Resp: 749084

Ion Ratio Lower Upper

43 100

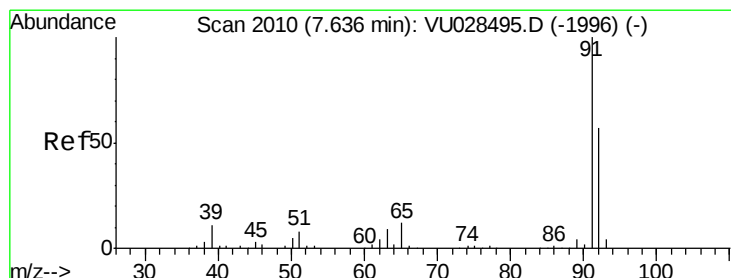
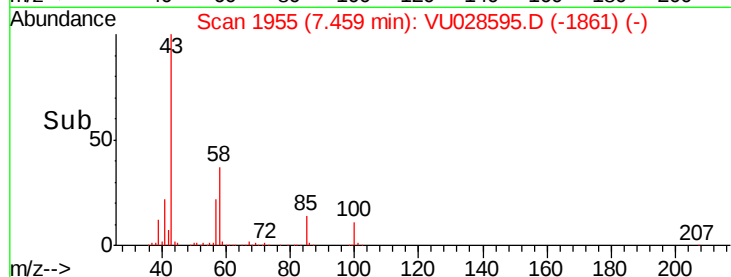
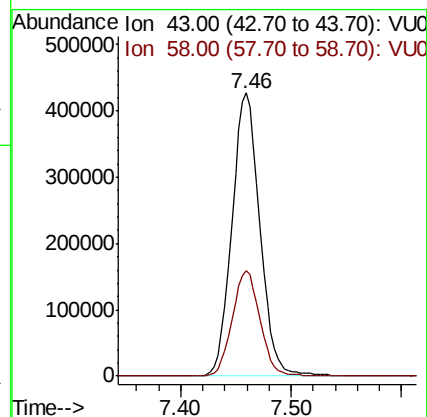
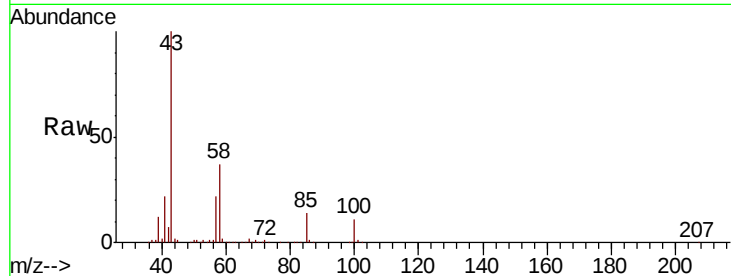
58 37.1 30.2 45.2

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#52

Toluene

Concen: 51.474 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028595.D

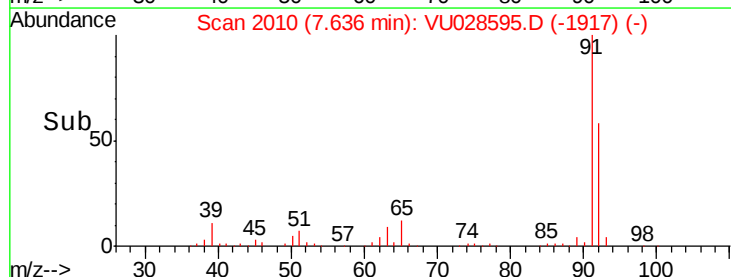
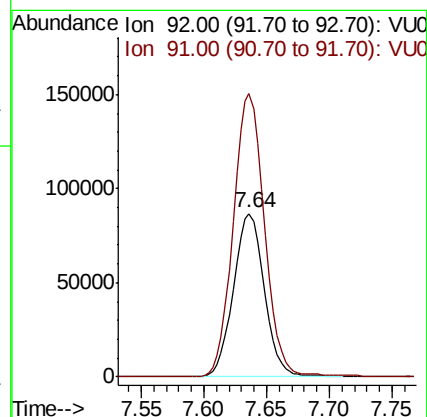
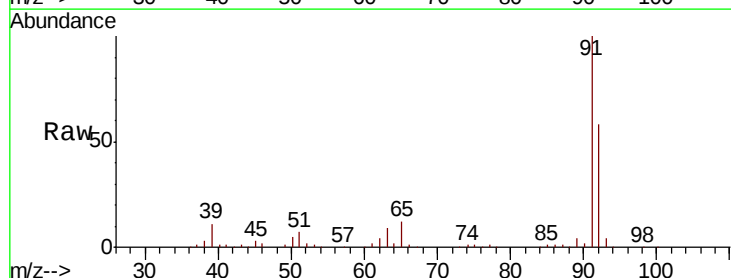
Acq: 11 Dec 2018 09:42

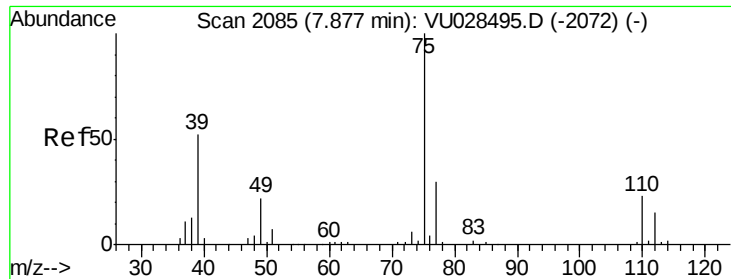
Tgt Ion: 92 Resp: 149025

Ion Ratio Lower Upper

92 100

91 175.2 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 48.292 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 75 Resp: 91864

Ion Ratio Lower Upper

75 100

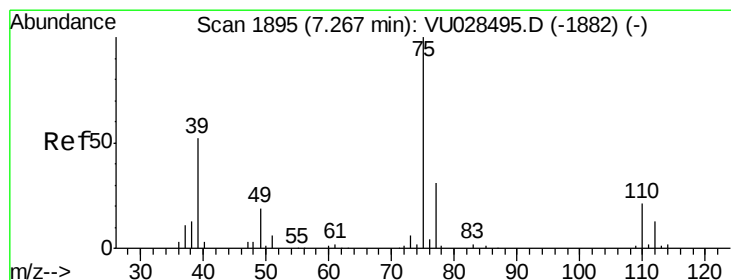
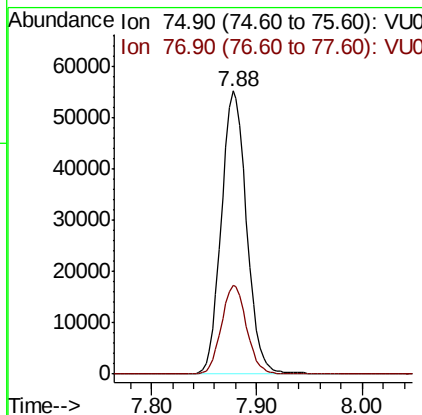
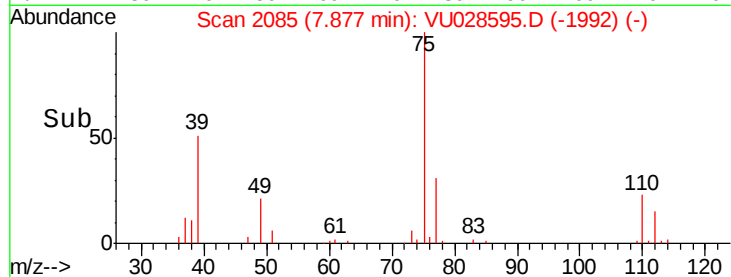
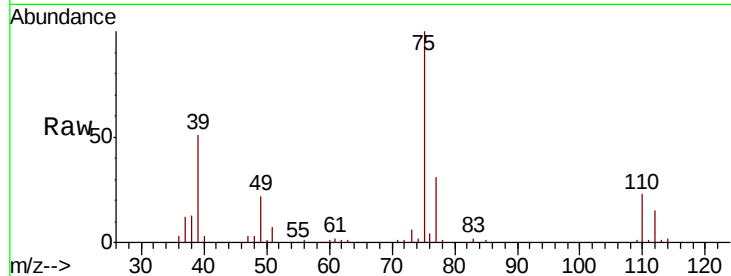
77 31.3 24.2 36.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 47.975 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

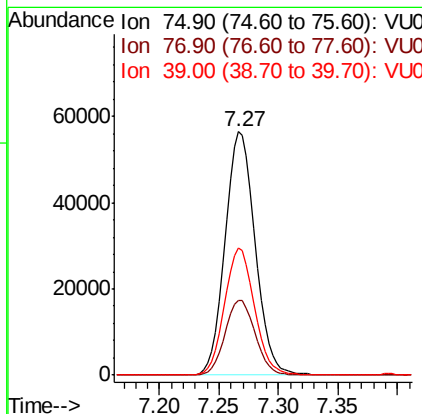
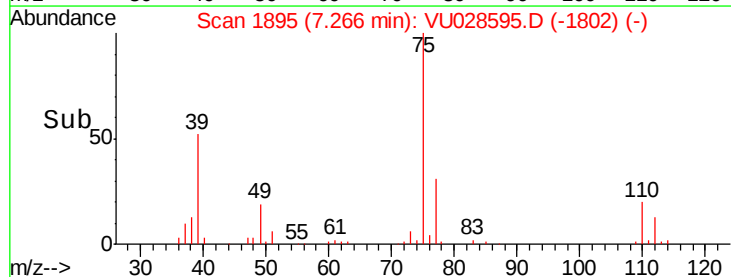
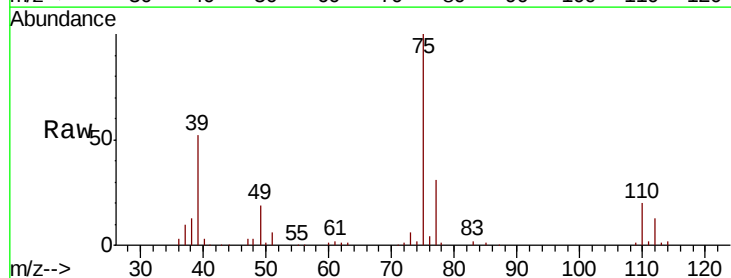
Tgt Ion: 75 Resp: 99012

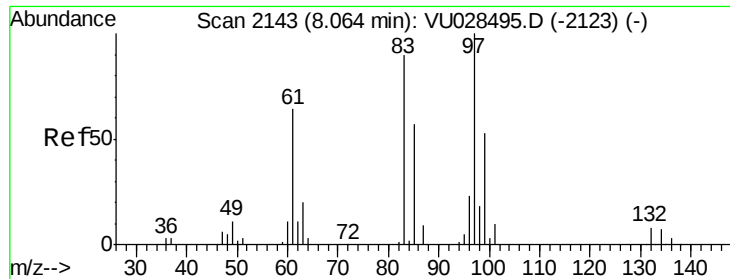
Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4

39 52.2 41.3 61.9





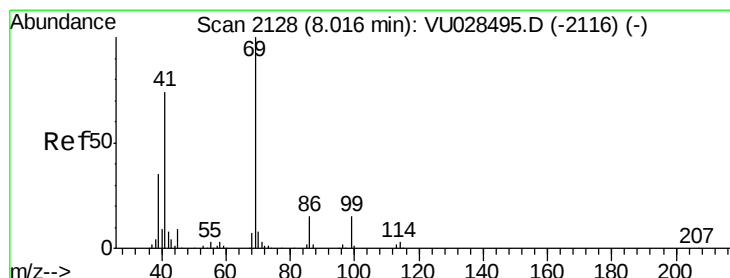
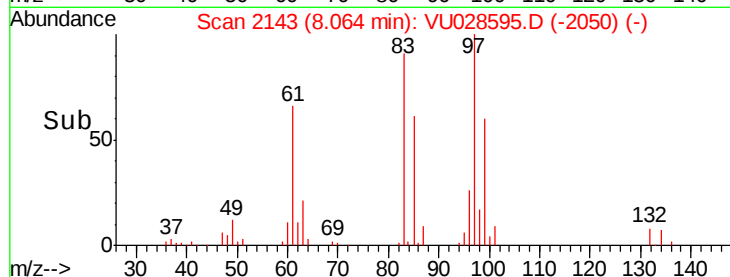
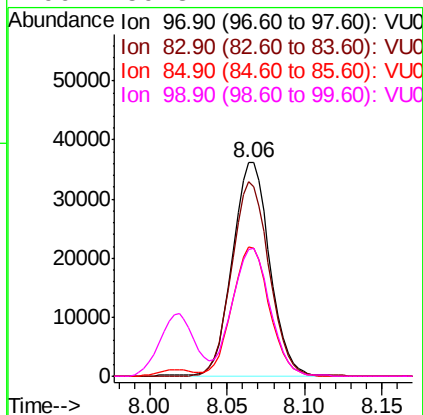
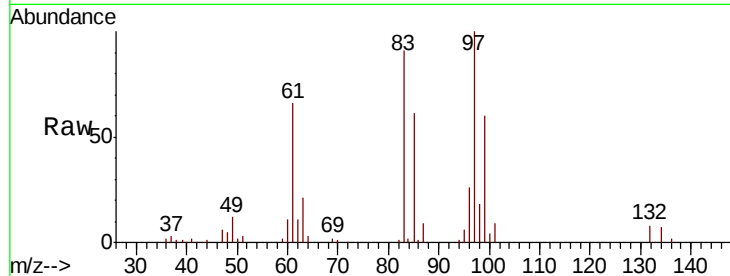
#55
 1,1,2-Trichloroethane
 Concen: 52.919 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion:	97	Resp:	60563
Ion	Ratio	Lower	Upper
97	100		
83	91.0	72.4	108.6
85	60.7	46.0	69.0
99	59.3	47.4	71.2

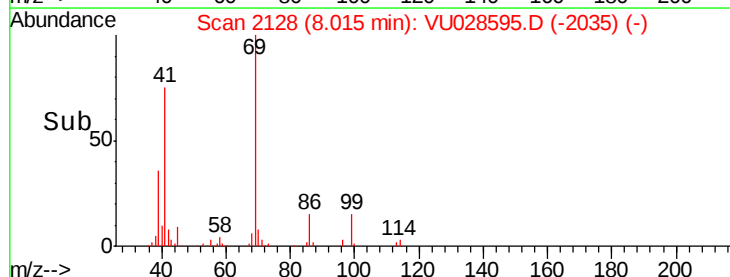
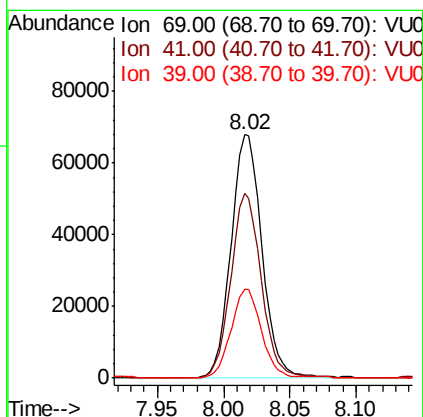
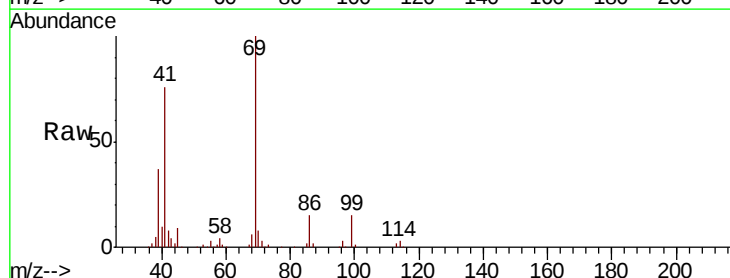
Manual Integrations
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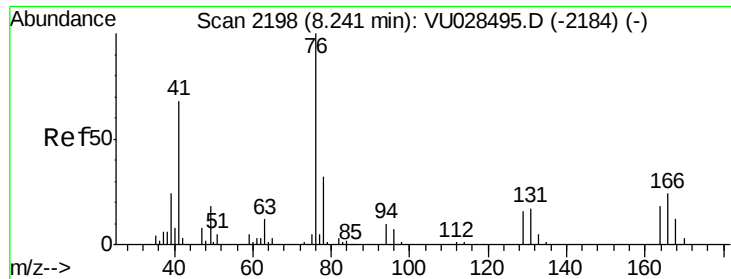
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#56
 Ethyl methacrylate
 Concen: 56.388 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion:	69	Resp:	110509
Ion	Ratio	Lower	Upper
69	100		
41	74.7	59.1	88.7
39	35.9	28.4	42.6





#57

1,3-Dichloropropane

Concen: 51.941 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 76 Resp: 110344

Ion Ratio Lower Upper

76 100

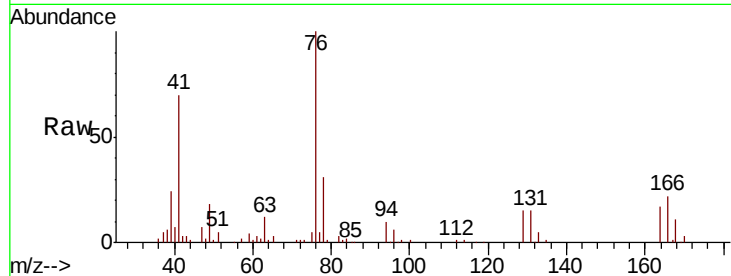
78 31.7 25.2 37.8

Manual Integrations

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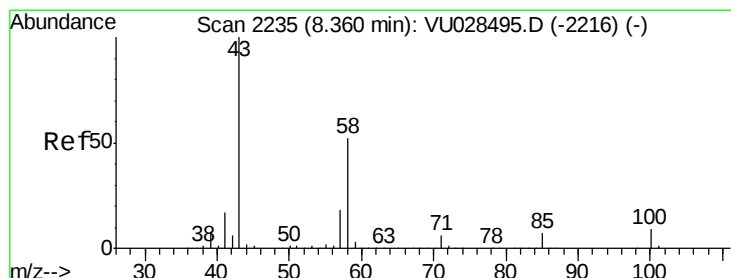
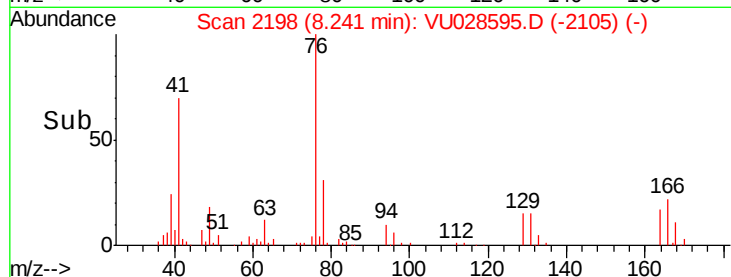
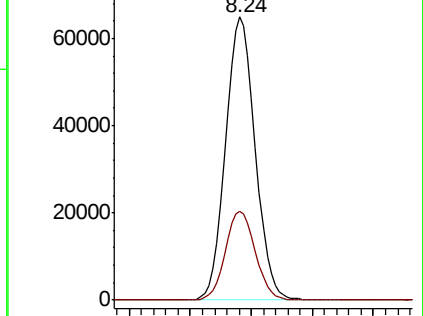
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 358.468 ug/l

RT: 8.36 min Scan# 2235

Delta R.T. -0.00 min

Lab File: VU028595.D

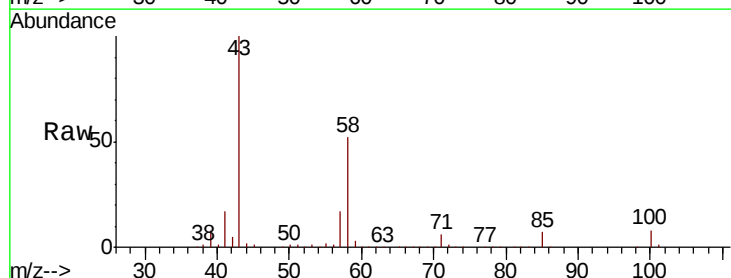
Acq: 11 Dec 2018 09:42

Tgt Ion: 43 Resp: 612005

Ion Ratio Lower Upper

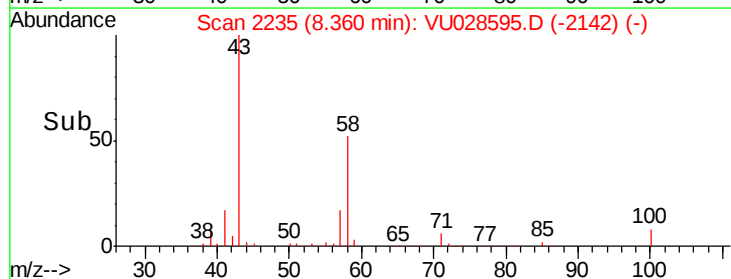
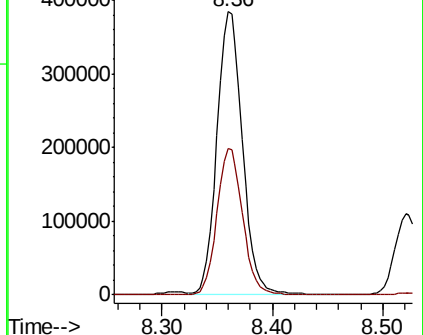
43 100

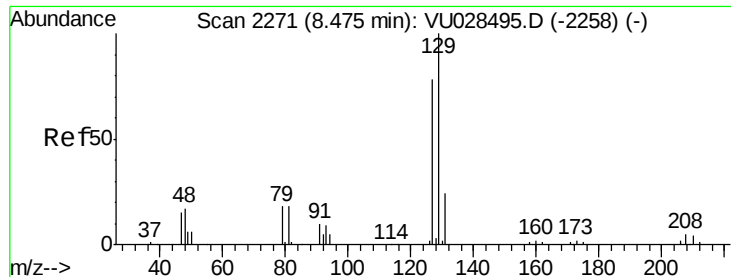
58 52.3 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#60

Dibromochloromethane

Concen: 50.757 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion:129 Resp: 56872

Ion Ratio Lower Upper

129 100

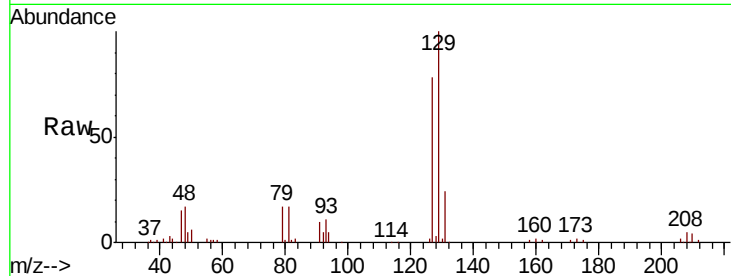
127 78.1 39.1 117.3

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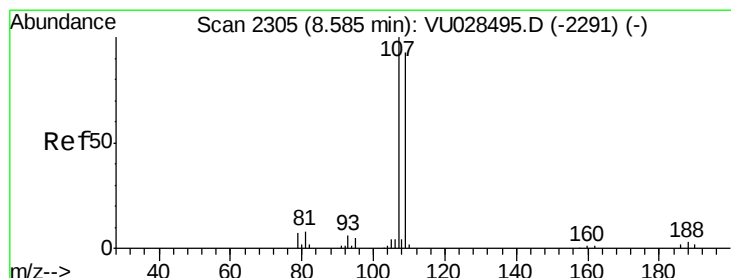
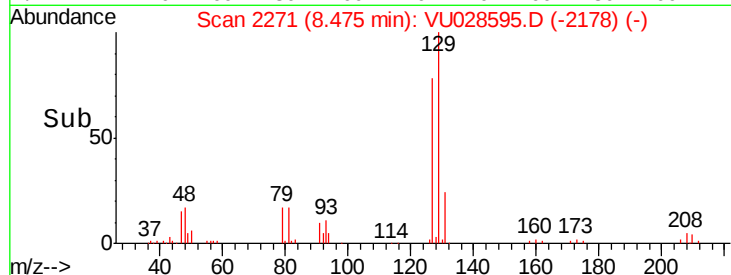
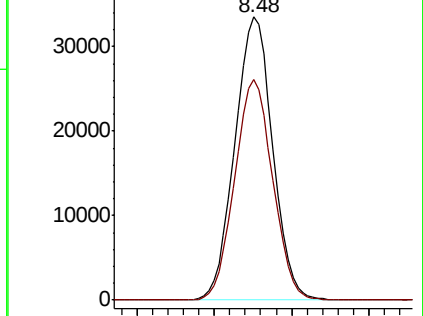
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.466 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028595.D

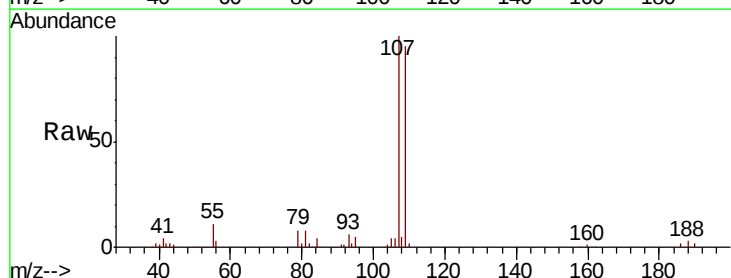
Acq: 11 Dec 2018 09:42

Tgt Ion:107 Resp: 64166

Ion Ratio Lower Upper

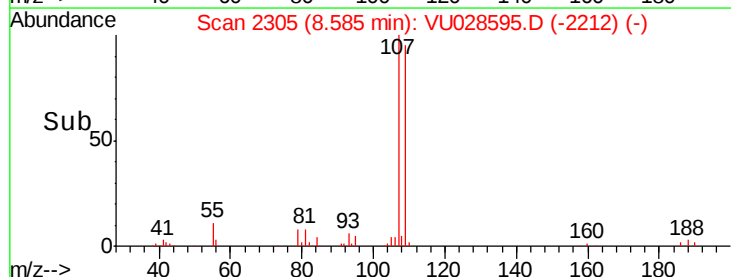
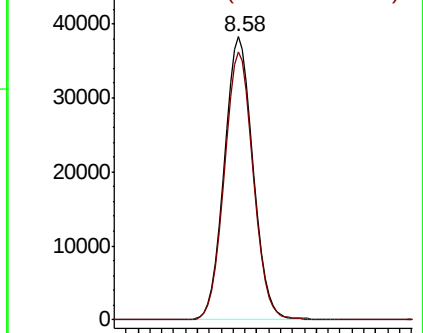
107 100

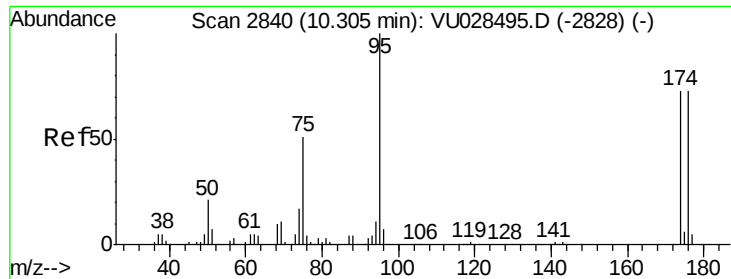
109 94.6 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 52.156 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 95 Resp: 74073

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.4

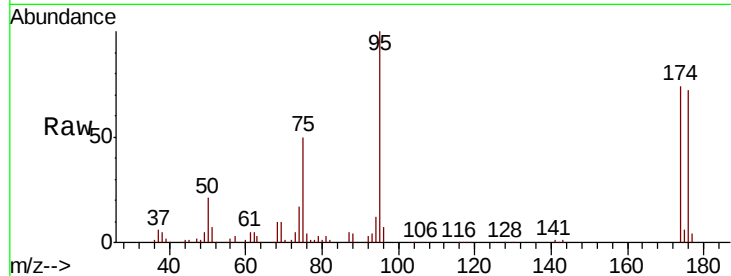
176 72.3 0.0 145.2

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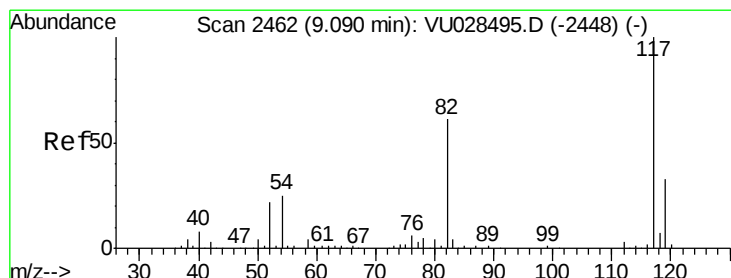
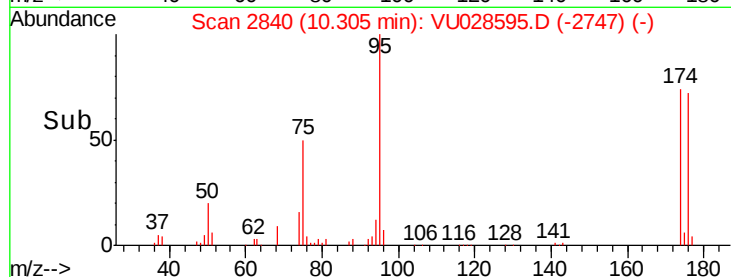
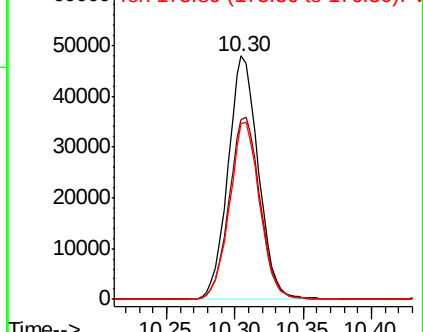
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Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

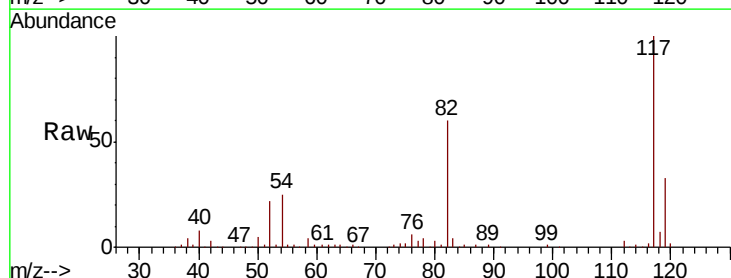
Tgt Ion: 117 Resp: 144284

Ion Ratio Lower Upper

117 100

82 60.4 48.9 73.3

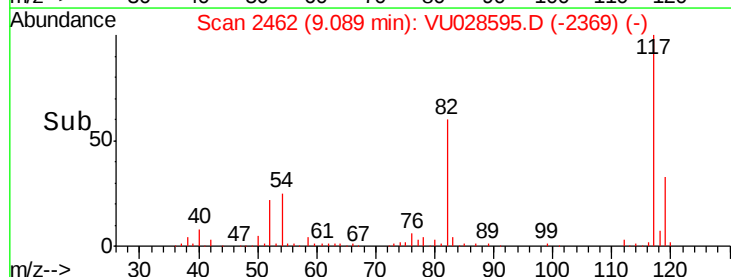
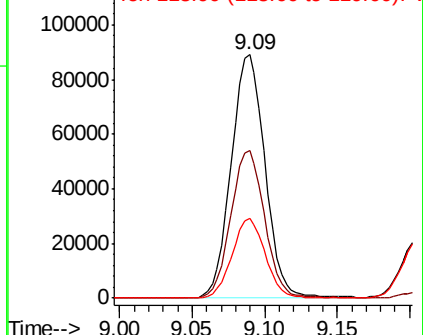
119 32.6 26.2 39.4

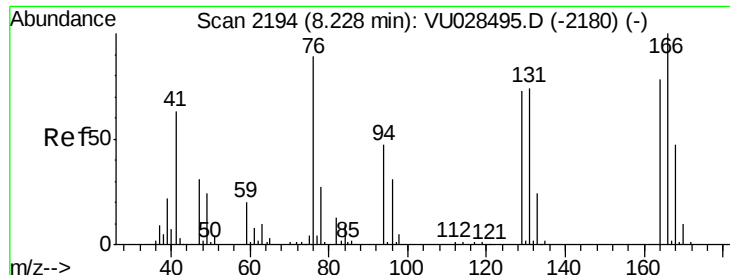


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 46.080 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion:164 Resp: 44348

Ion Ratio Lower Upper

164 100

166 124.4 101.9 152.9

129 95.0 74.9 112.3

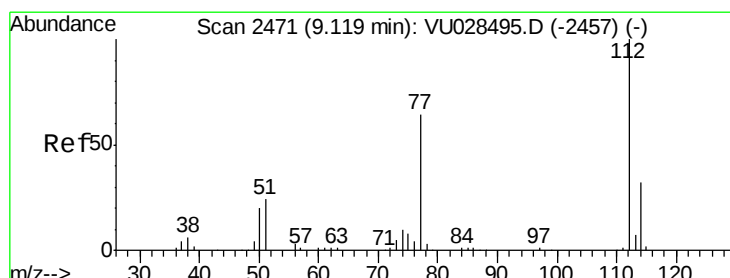
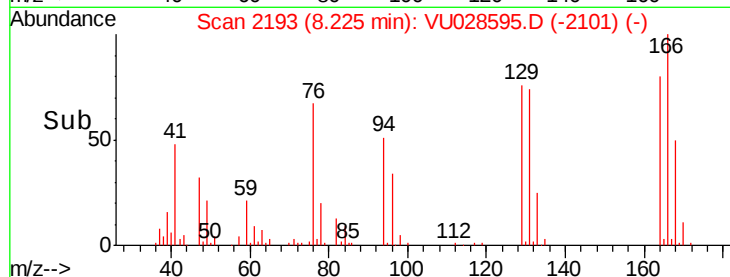
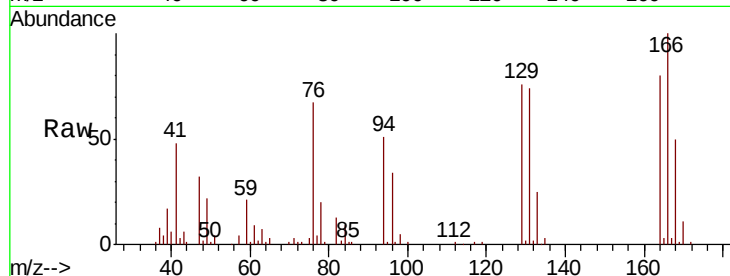
131 92.1 75.4 113.0

Manual Integrations

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#65

Chlorobenzene

Concen: 49.261 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028595.D

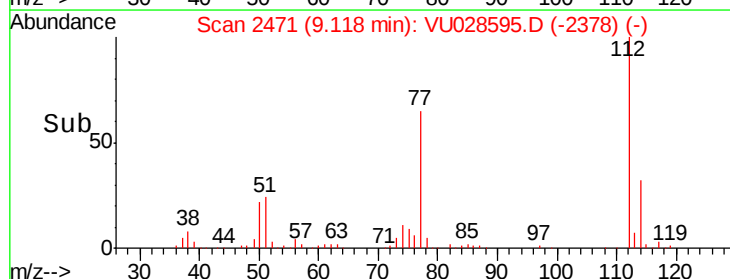
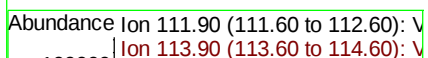
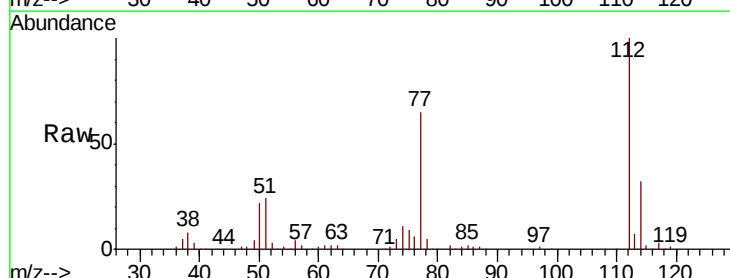
Acq: 11 Dec 2018 09:42

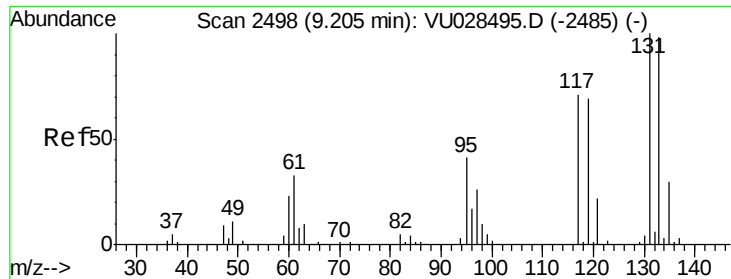
Tgt Ion:112 Resp: 151454

Ion Ratio Lower Upper

112 100

114 32.0 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 52.170 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion:131 Resp: 51221

Ion Ratio Lower Upper

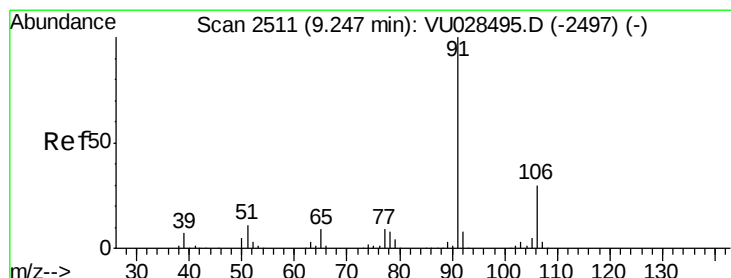
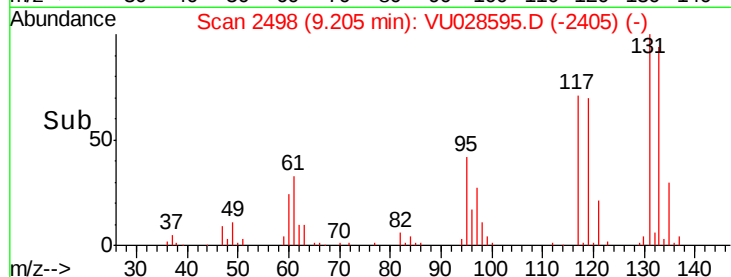
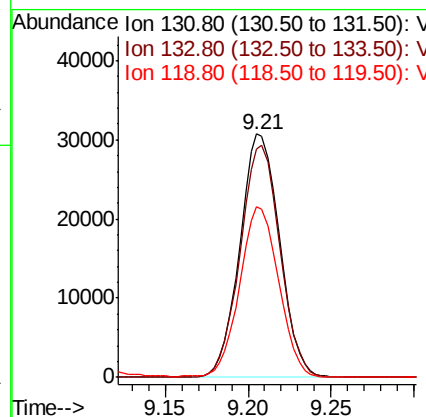
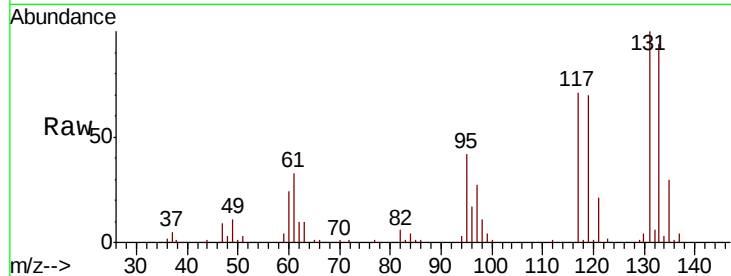
131 100

133 95.6 48.0 144.0

119 69.1 34.6 103.9

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.399 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028595.D

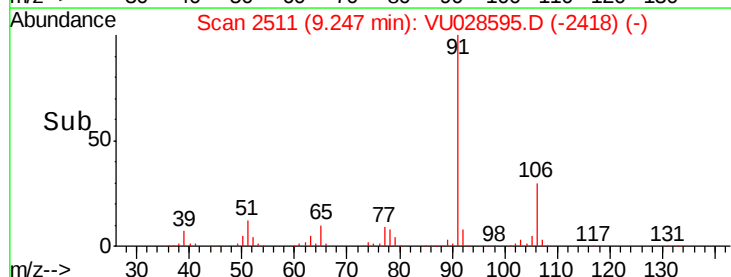
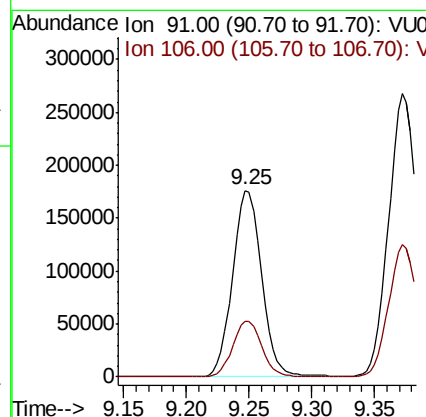
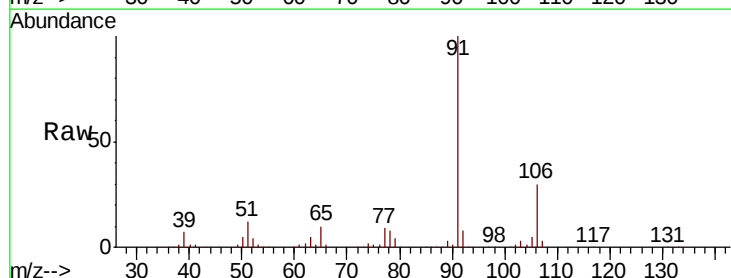
Acq: 11 Dec 2018 09:42

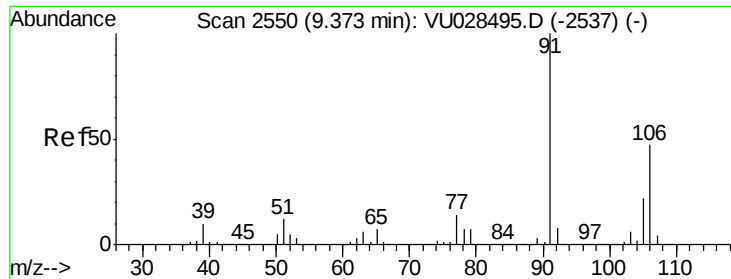
Tgt Ion: 91 Resp: 284853

Ion Ratio Lower Upper

91 100

106 29.9 24.1 36.1





#68

m/p-Xylenes

Concen: 99.809 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion:106 Resp: 205269

Ion Ratio Lower Upper

106 100

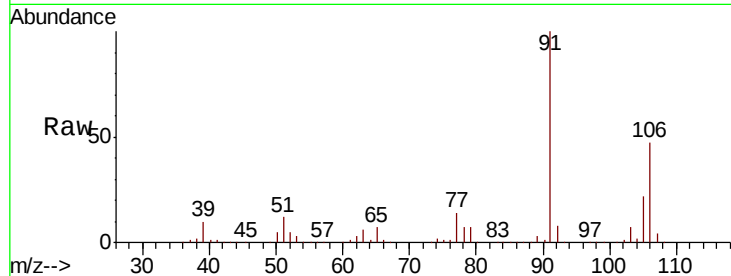
91 215.1 167.4 251.0

Manual Integrations

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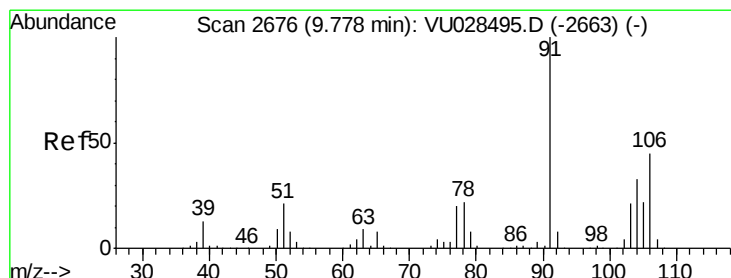
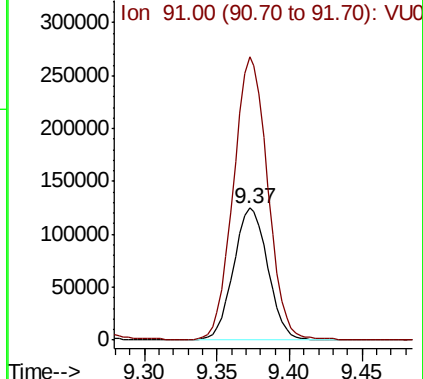
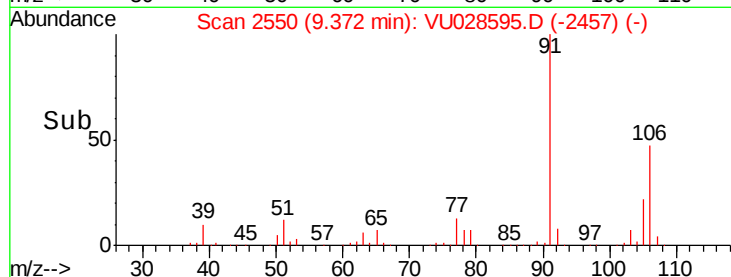
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 50.497 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028595.D

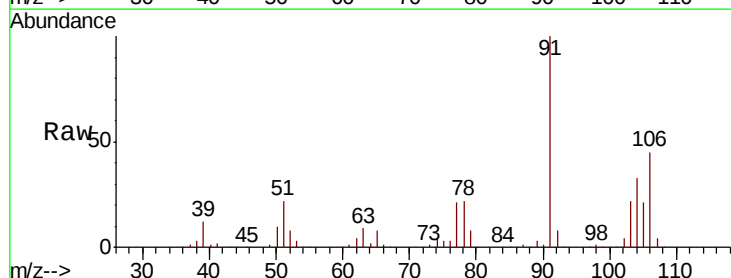
Acq: 11 Dec 2018 09:42

Tgt Ion:106 Resp: 100925

Ion Ratio Lower Upper

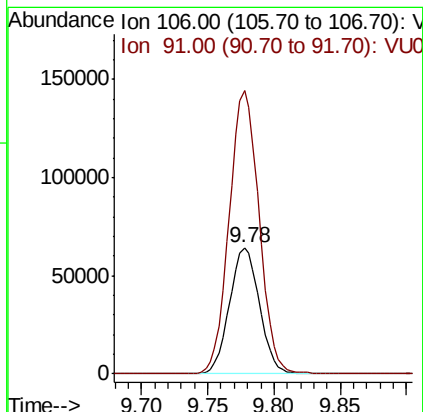
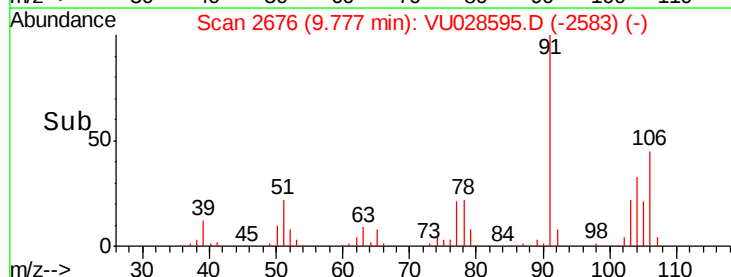
106 100

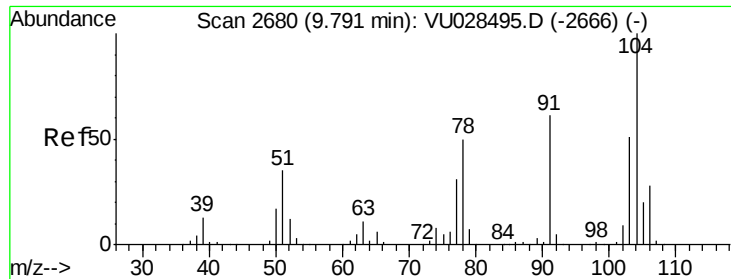
91 224.7 111.3 334.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





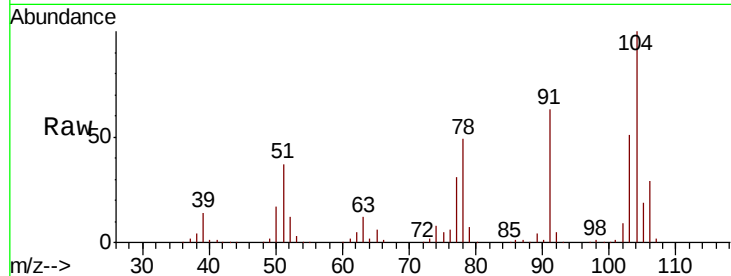
#70
Stvrene
Concen: 50.720 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.0	64.6
103	55.3	44.2	66.4

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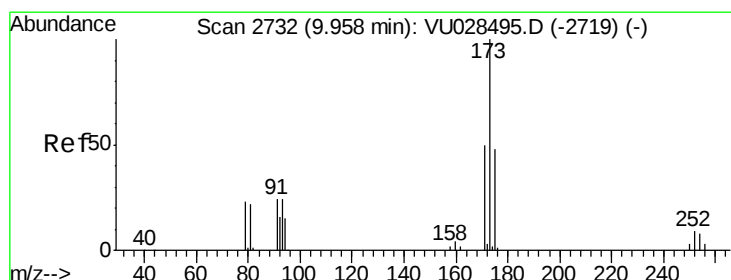
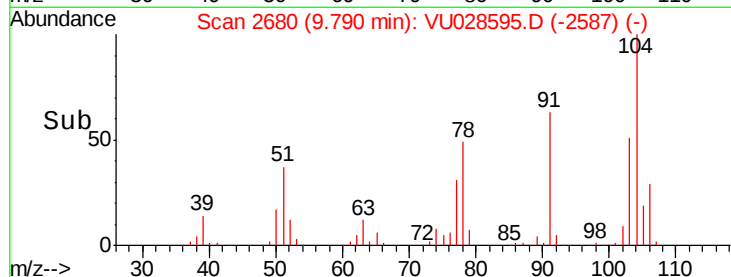
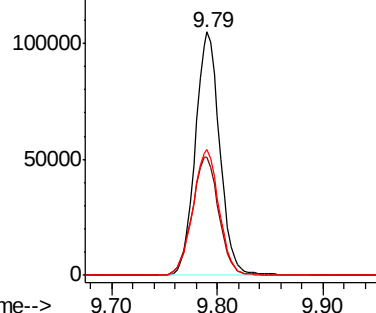


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 54.401 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

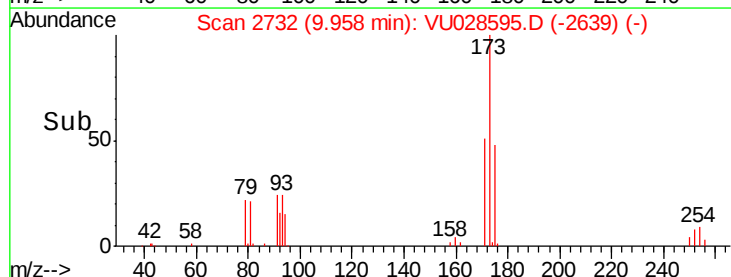
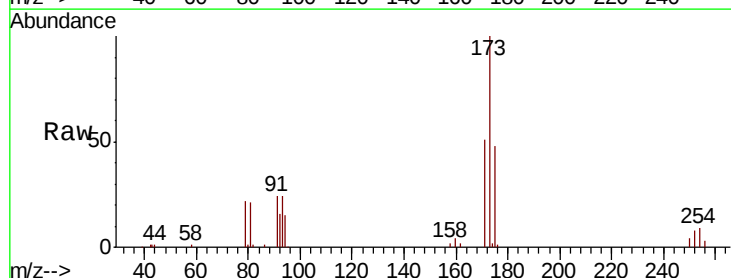
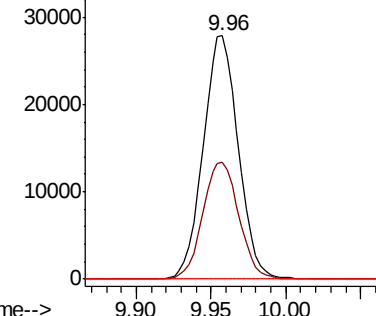
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.9	71.8
254	0.0	0.0	0.0

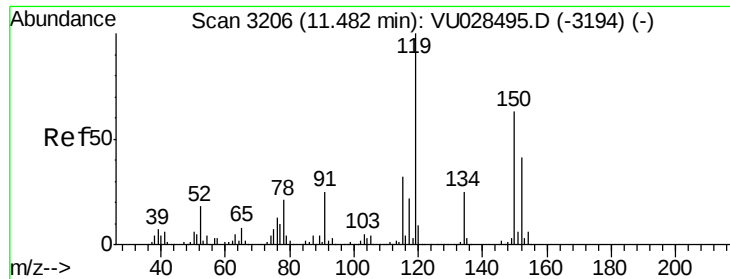
Abundance

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

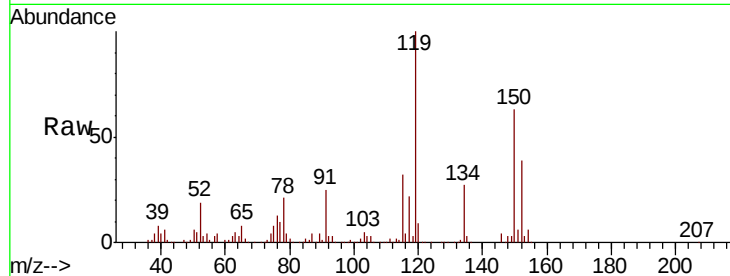
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	86.1	42.7	128.1
150	173.2	0.0	346.0

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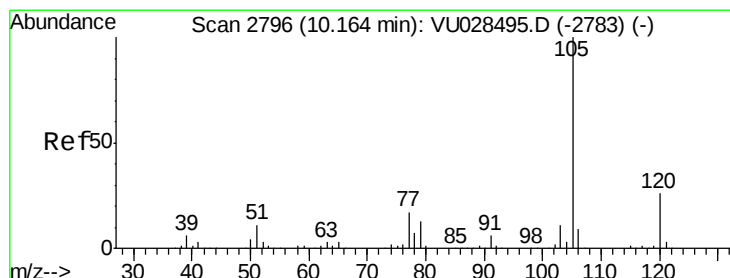
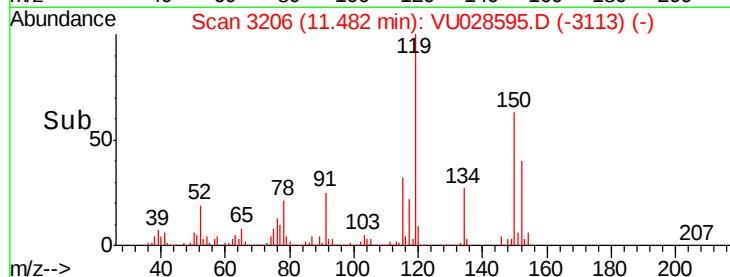
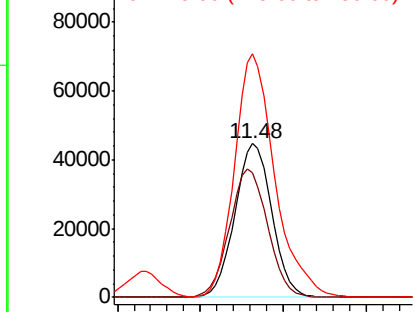


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

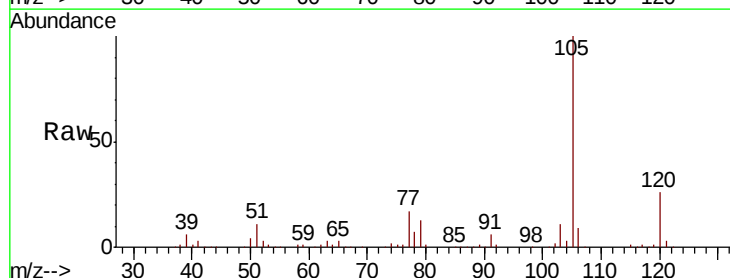
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 49.904 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

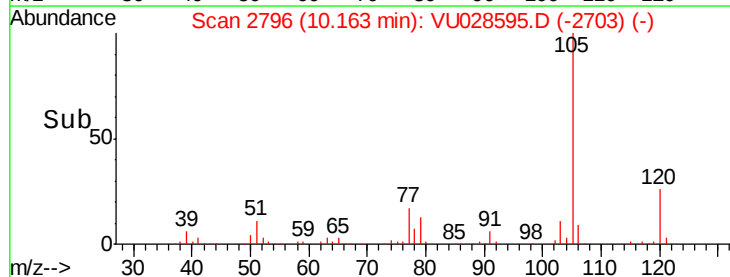
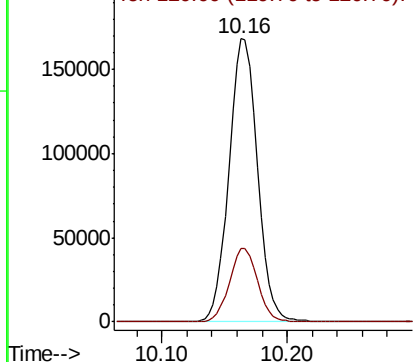
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.6

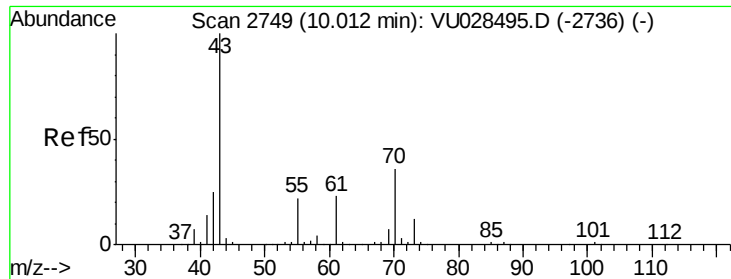


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 52.429 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

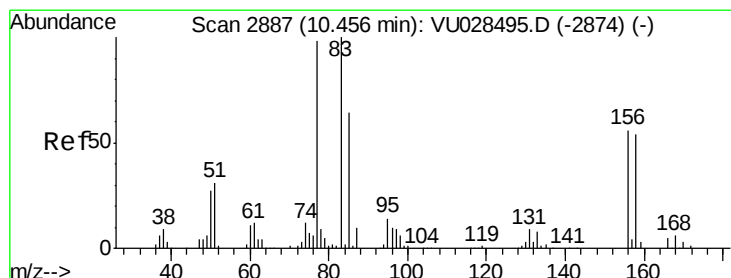
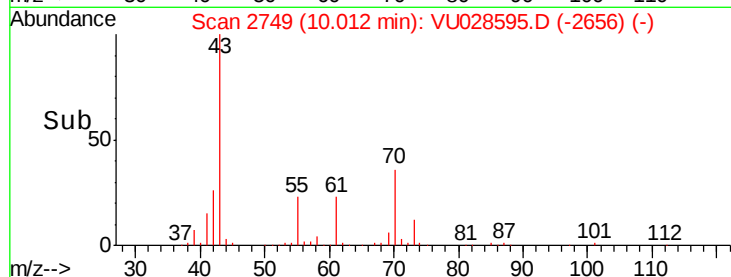
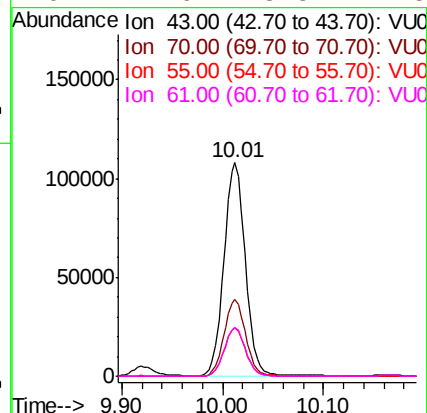
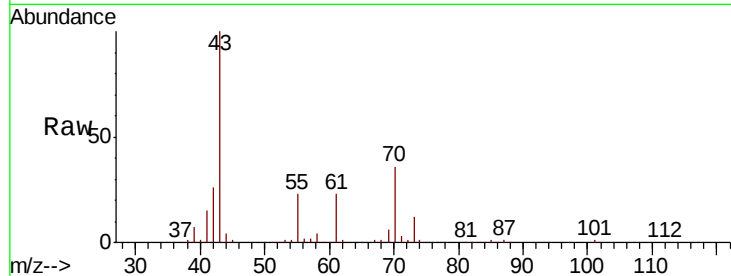
ClientSampleId :

P001-SW004-01MSD

Tot Ion:	43	Resp:	160647
Ion Ratio	Lower	Upper	
43	100		
70	36.3	29.3	43.9
55	22.8	18.0	27.0
61	22.6	18.3	27.5

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 58.690 ug/l

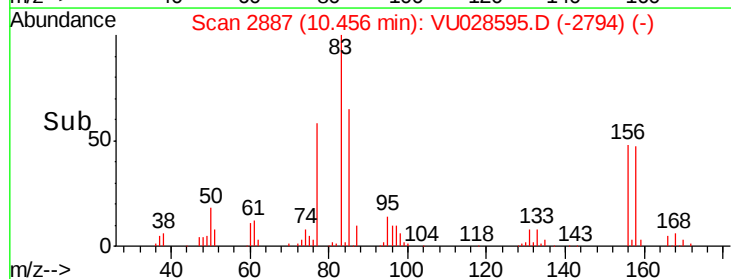
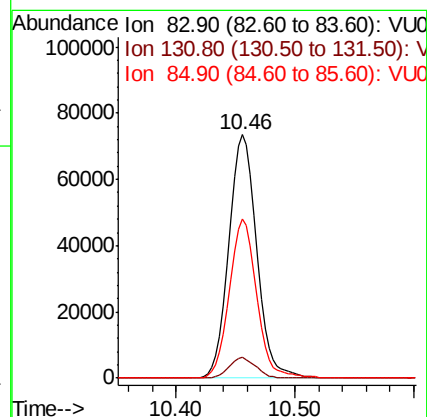
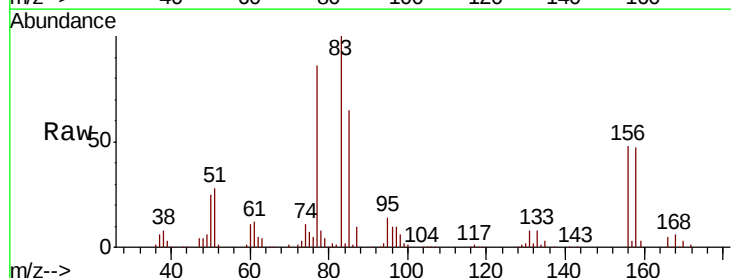
RT: 10.46 min Scan# 2887

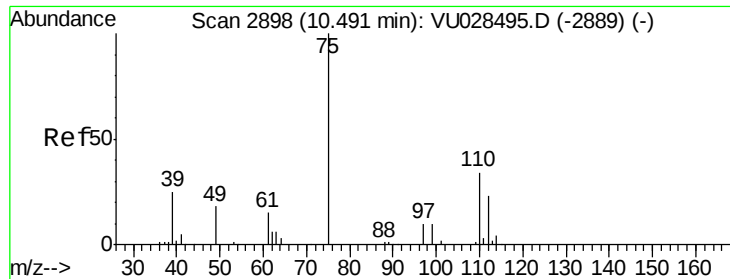
Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Tgt Ion:	83	Resp:	119760
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.2	12.4
85	64.0	31.8	95.4





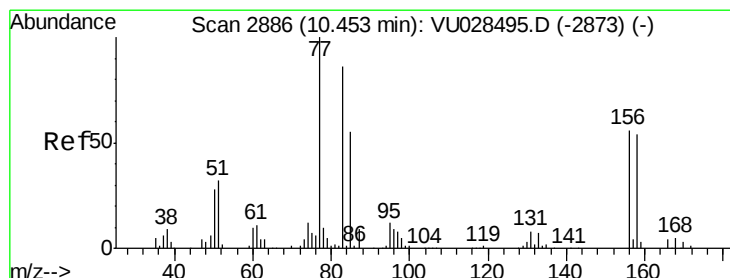
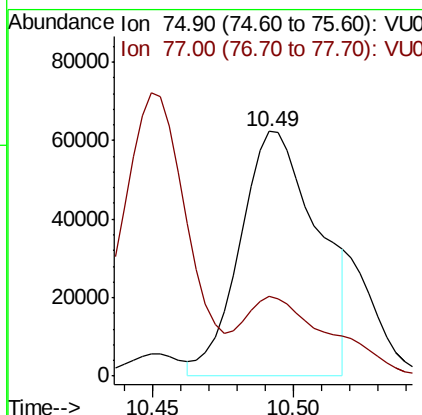
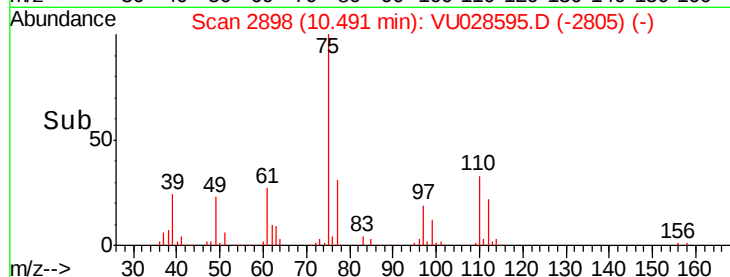
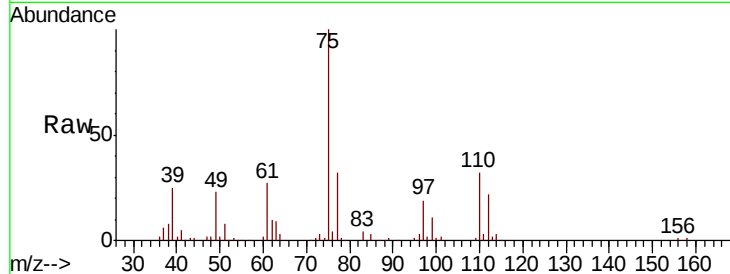
#76
 1,2,3-Trichloropropane
 Concen: 67.746 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion: 75 Resp: 119754
 Ion Ratio Lower Upper
 75 100
 77 35.3 20.8 62.4

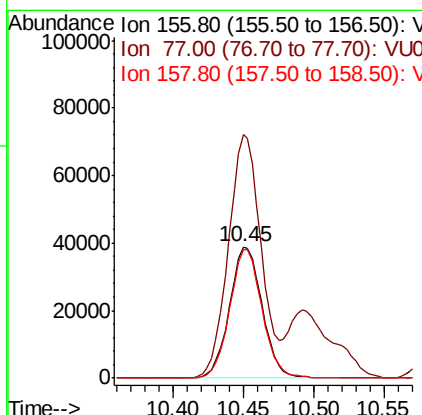
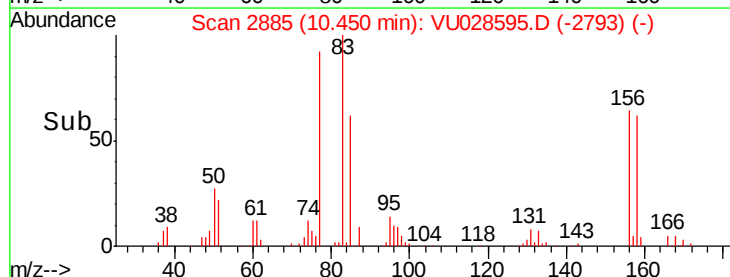
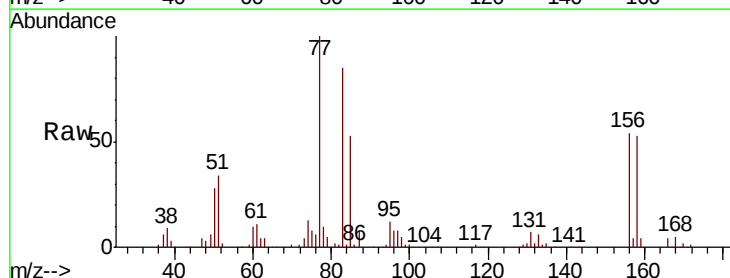
Manual Integrations
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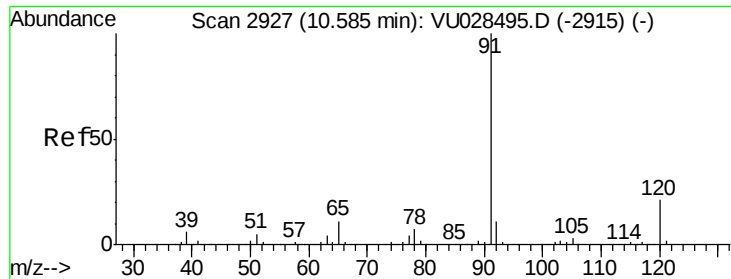
MMDadoda
 12/11/2018 3:02:47 PM



#77
 Bromobenzene
 Concen: 50.733 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 156 Resp: 63027
 Ion Ratio Lower Upper
 156 100
 77 184.7 92.4 277.2
 158 96.7 48.4 145.3





#78

n-propylbenzene

Concen: 49.729 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 91 Resp: 328239

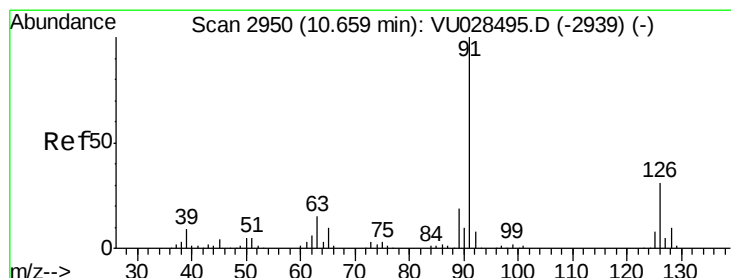
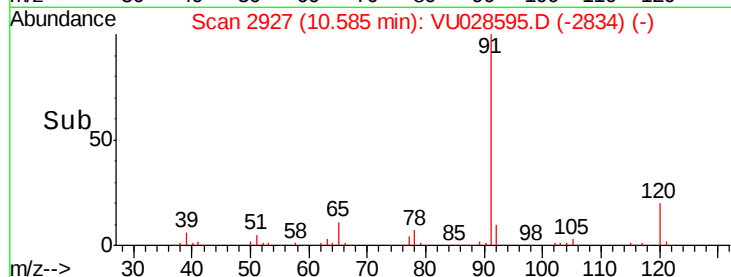
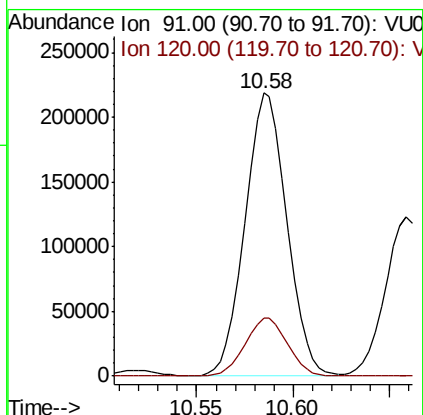
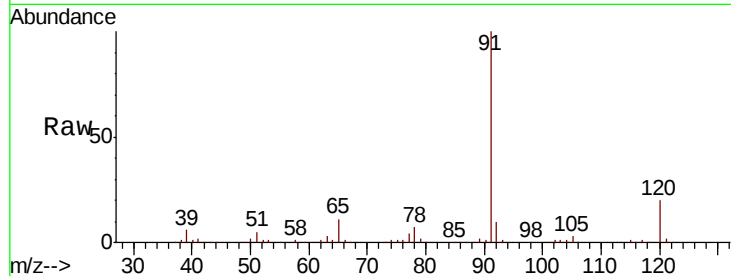
Ion Ratio Lower Upper

91 100

120 20.8 10.6 31.8

Manual Integrations
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#79

2-Chlorotoluene

Concen: 50.372 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028595.D

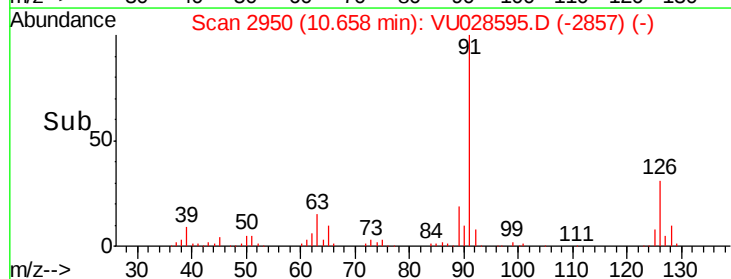
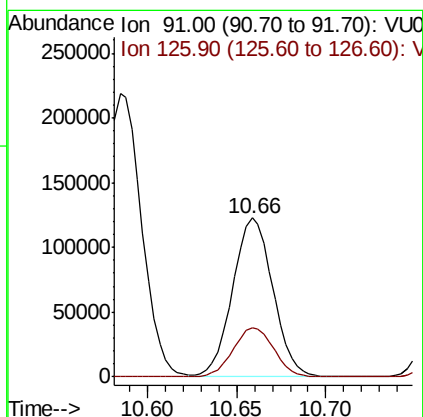
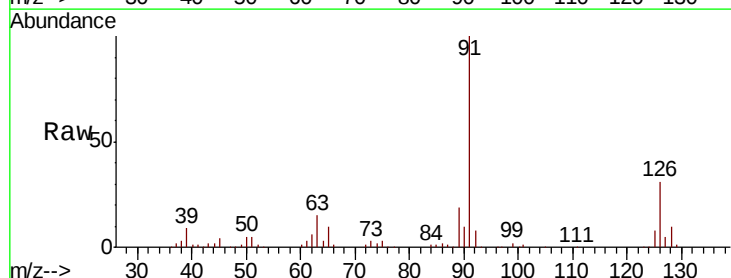
Acq: 11 Dec 2018 09:42

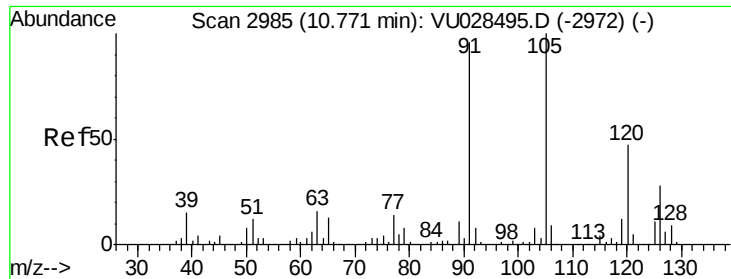
Tgt Ion: 91 Resp: 191518

Ion Ratio Lower Upper

91 100

126 31.5 15.6 46.8





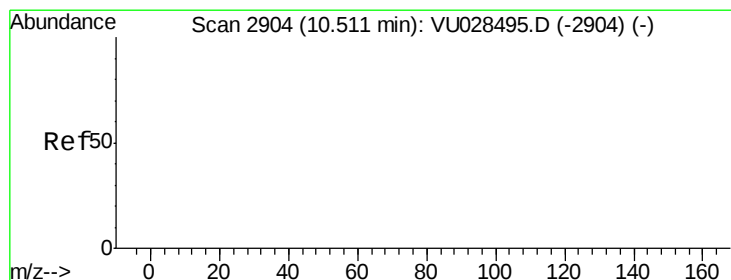
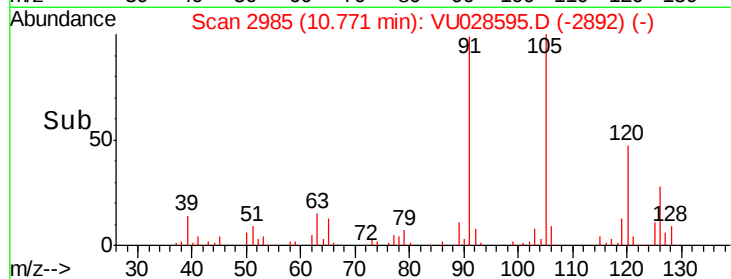
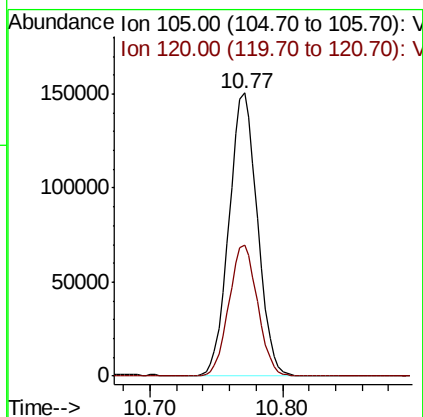
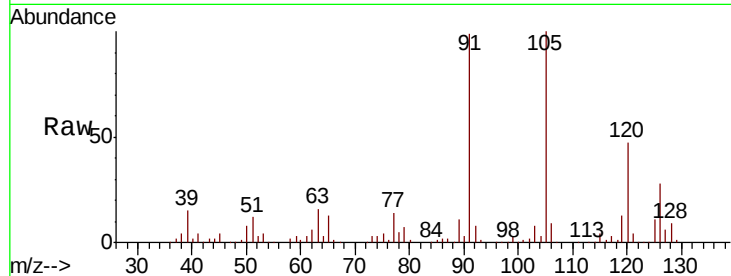
#80
 1,3,5-Trimethylbenzene
 Concen: 50.920 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion: 105 Resp: 223901
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.7 71.1

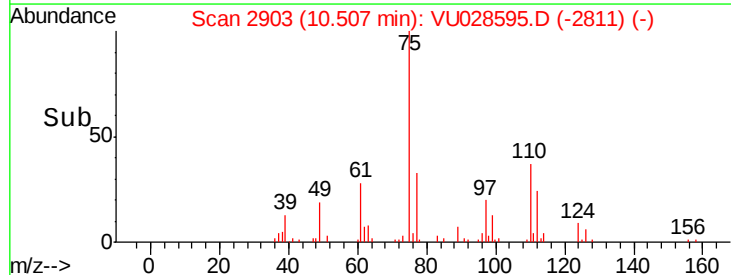
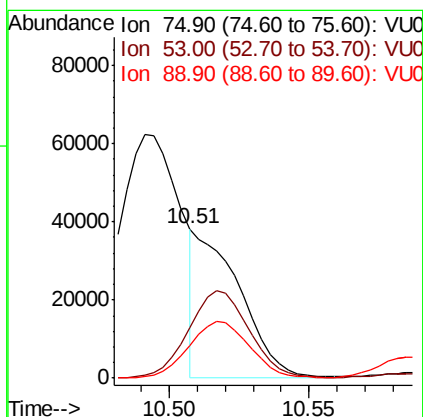
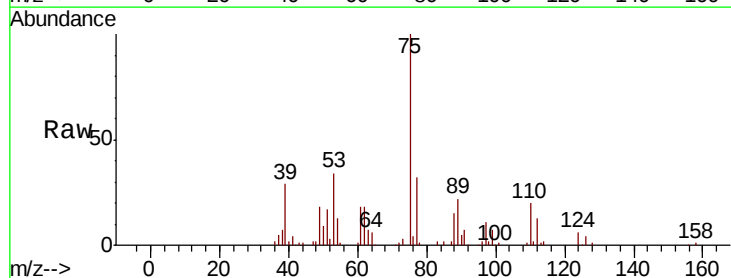
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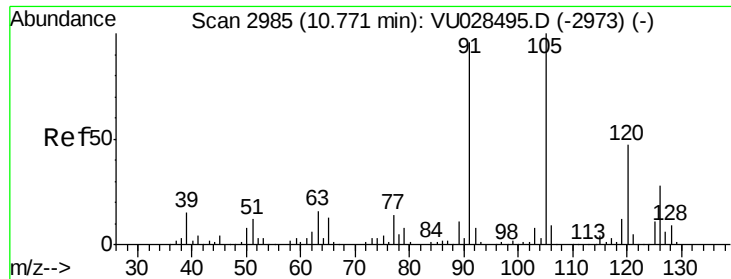
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.710 ug/l m
 RT: 10.51 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 75 Resp: 42277
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 49.415 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 91 Resp: 222642

Ion Ratio Lower Upper

91 100

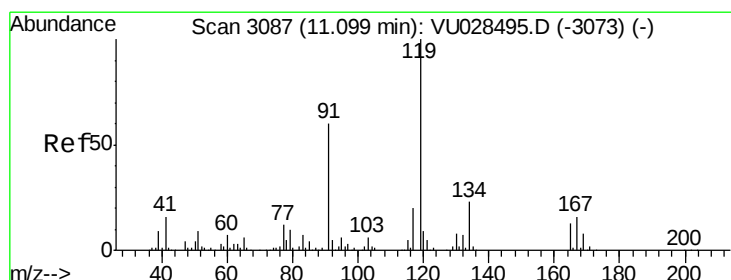
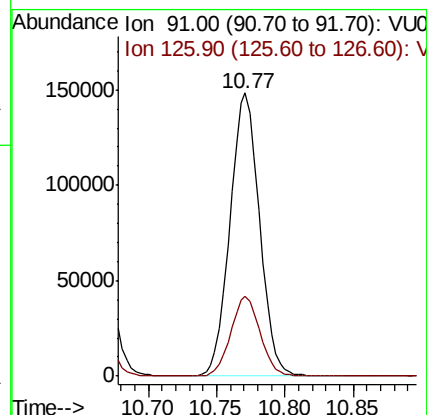
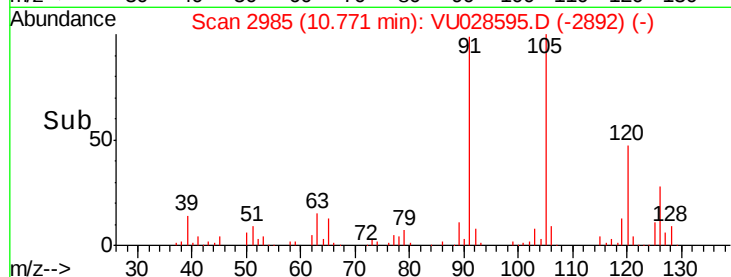
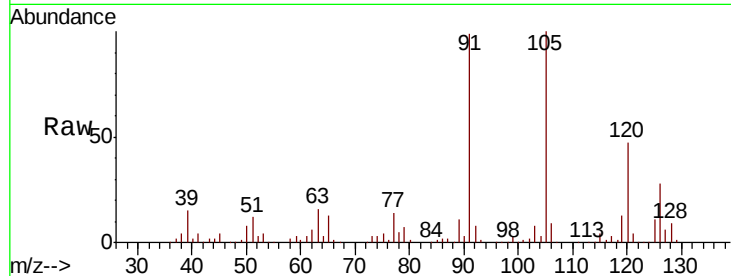
126 28.1 14.1 42.3

Manual Integrations

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#83

tert-Butylbenzene

Concen: 51.308 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

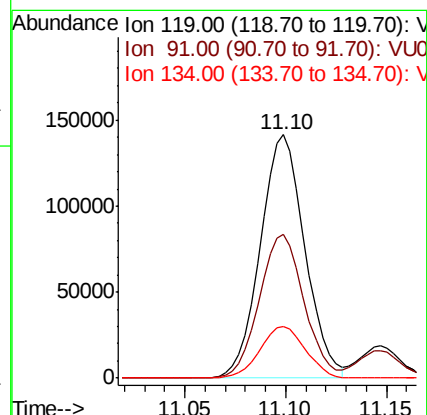
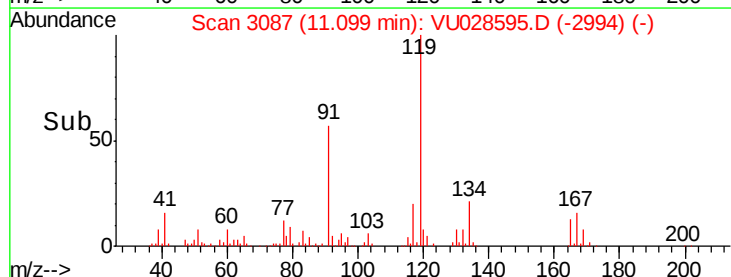
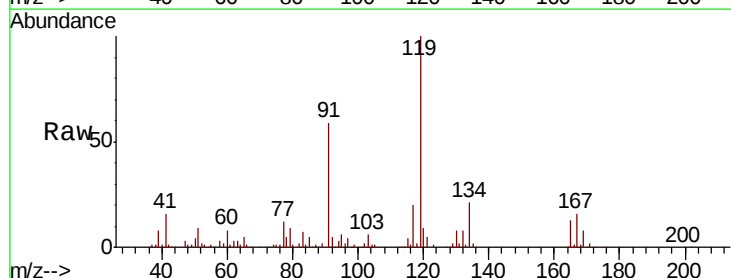
Tgt Ion: 119 Resp: 217452

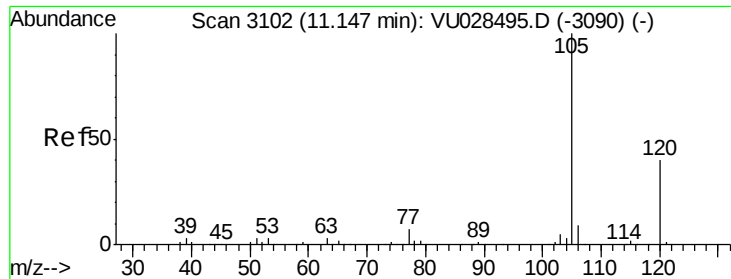
Ion Ratio Lower Upper

119 100

91 59.6 30.3 91.0

134 21.6 11.2 33.5





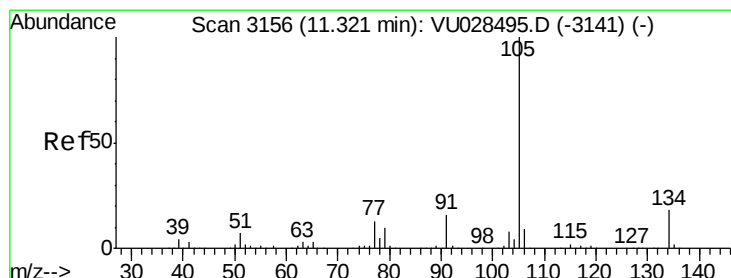
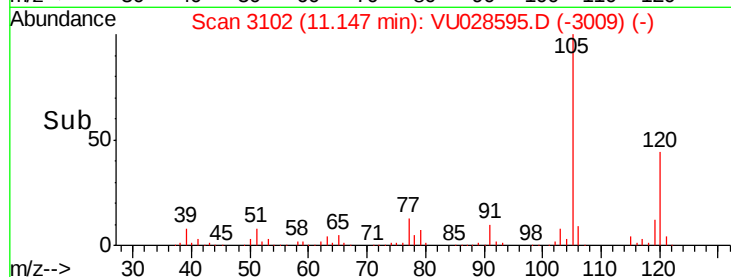
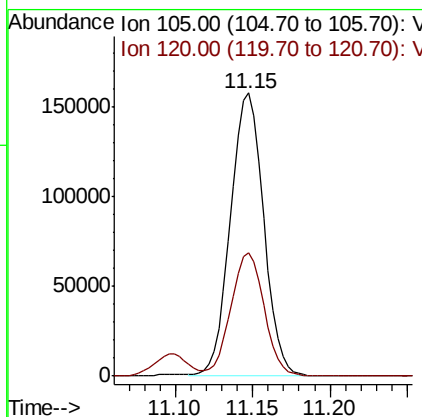
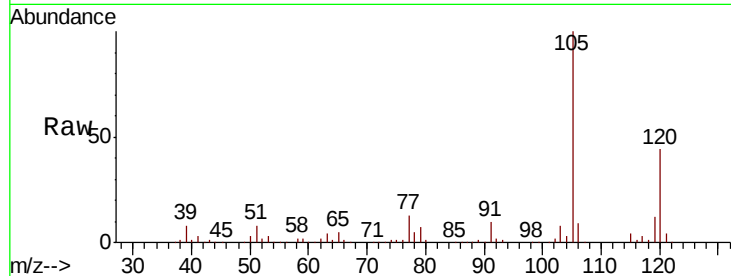
#84
 1,2,4-Trimethylbenzene
 Concen: 51.624 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4

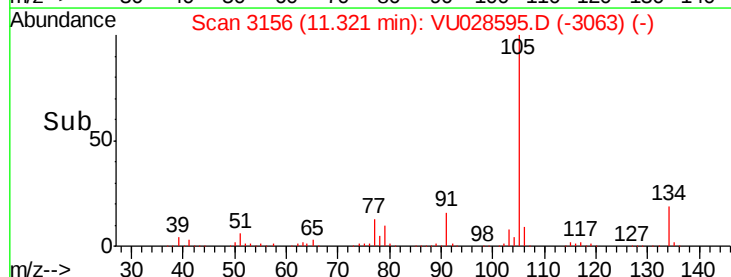
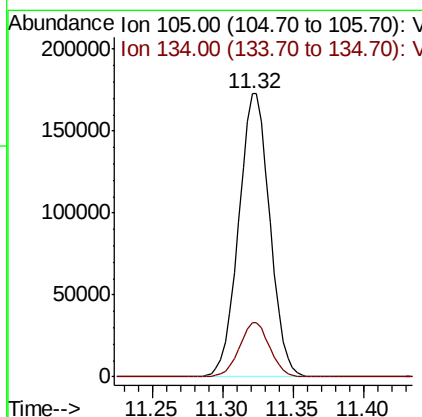
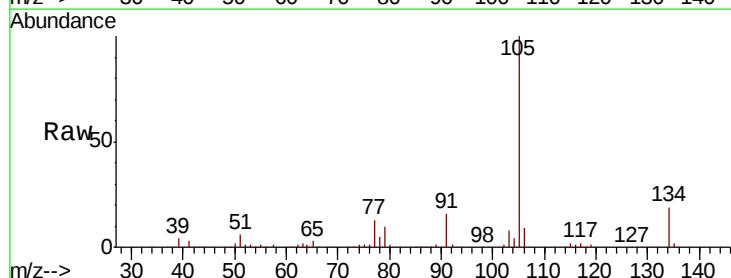
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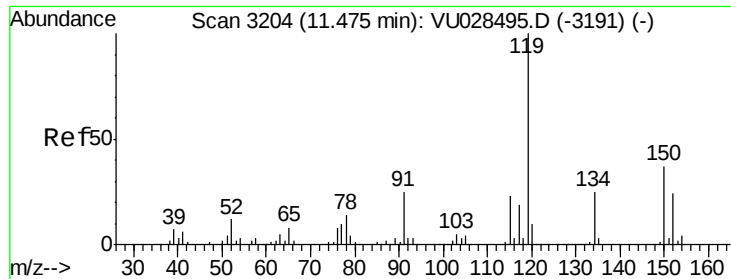
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#85
 sec-Butylbenzene
 Concen: 49.169 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.2	27.6





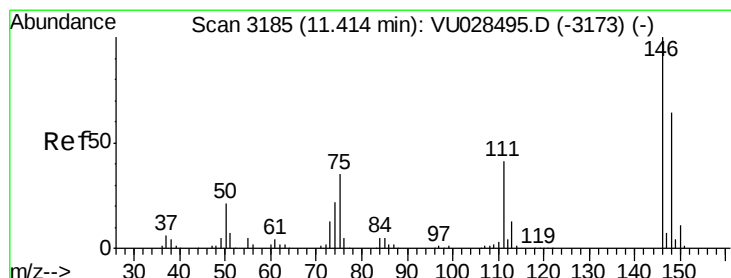
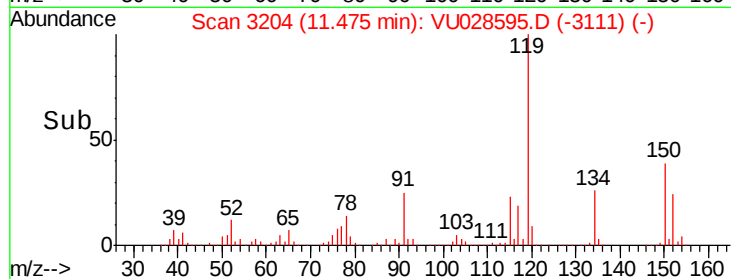
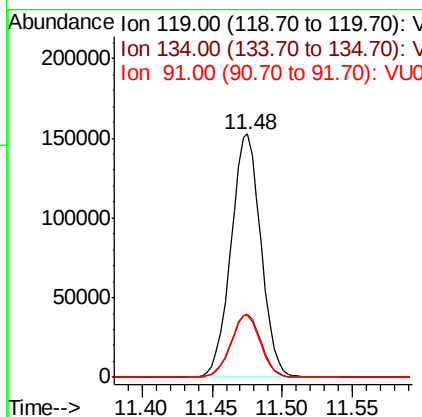
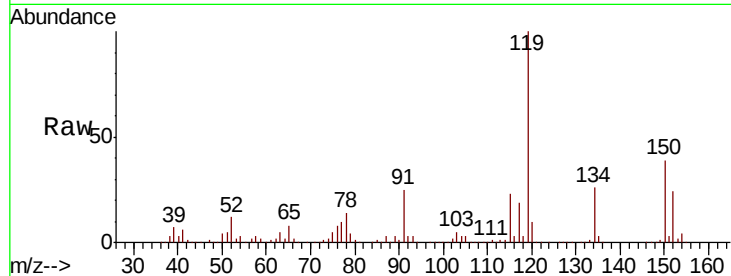
#86
p-Isopropyltoluene
Concen: 48.919 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	226255		
134	26.1	12.7	38.1	
91	25.5	12.6	37.6	

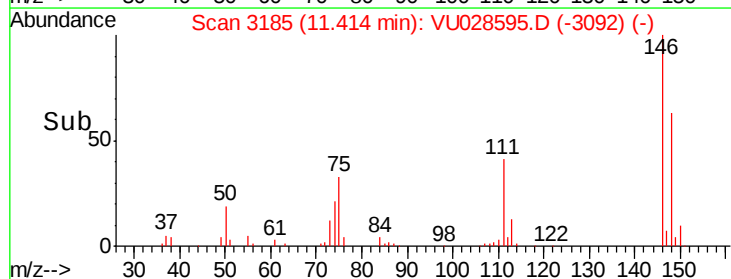
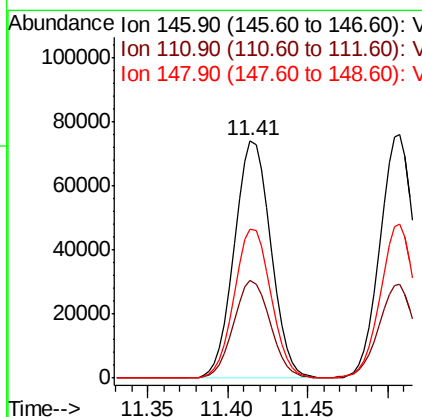
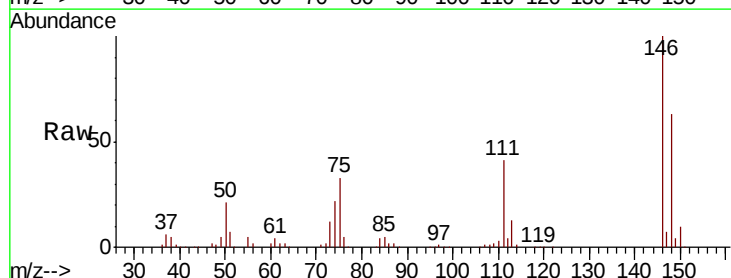
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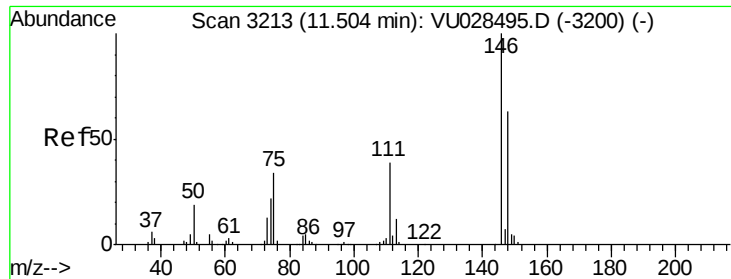
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#87
1,3-Dichlorobenzene
Concen: 49.131 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115254		
111	41.3	20.7	62.1	
148	63.2	31.9	95.7	





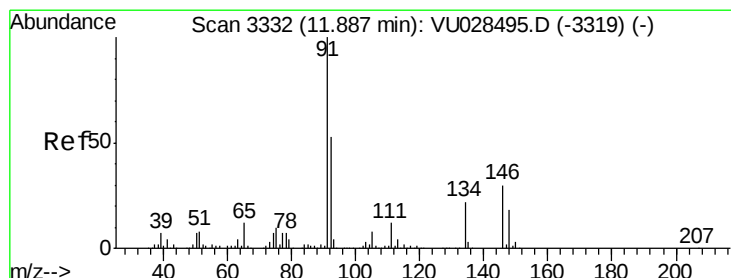
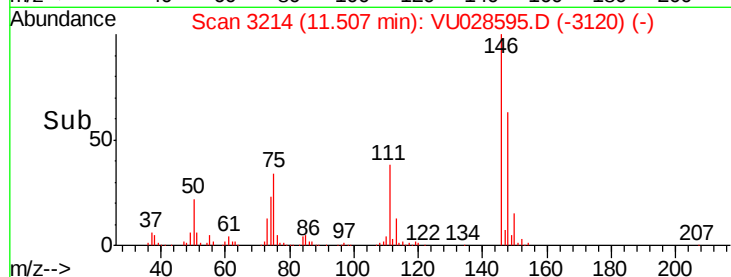
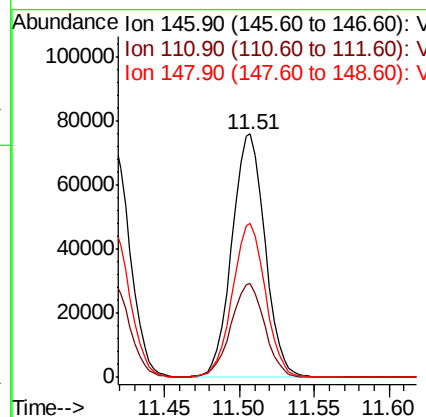
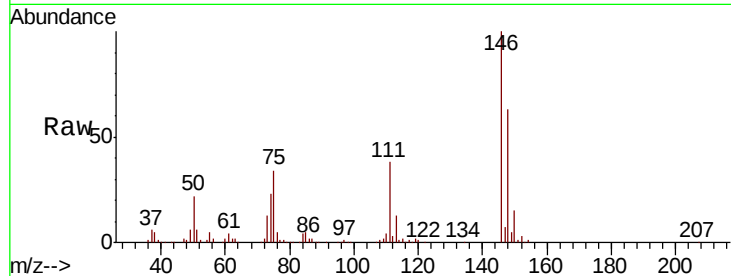
#88
 1,4-Dichlorobenzene
 Concen: 48.285 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.2	60.5
148	63.2	31.6	95.0

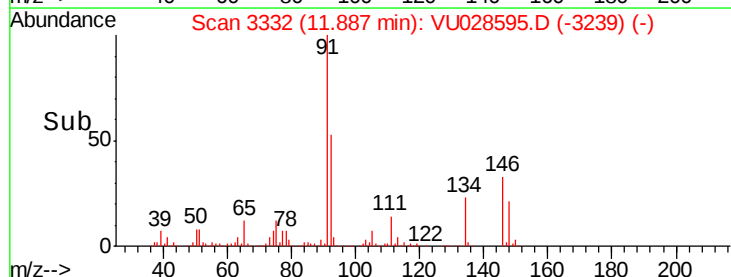
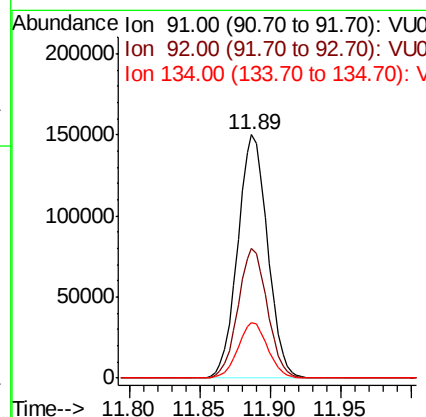
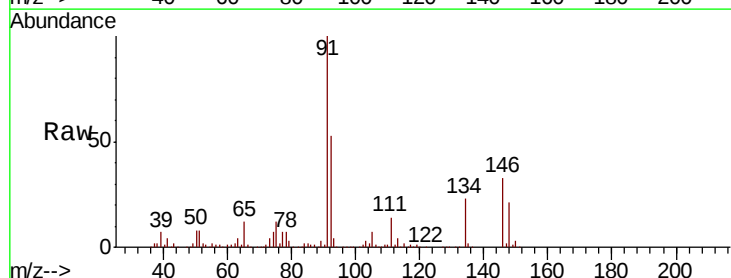
Manual Integrations
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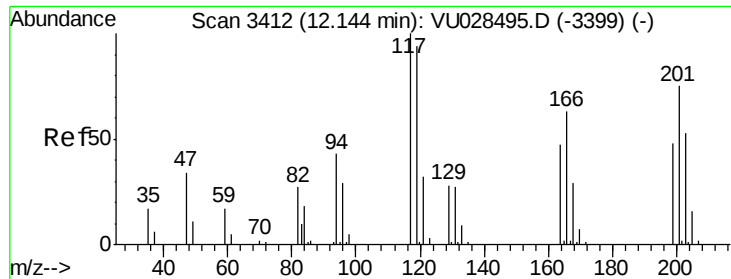
MMDadoda
 12/11/2018 3:02:47 PM



#89
 n-Butylbenzene
 Concen: 47.610 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	22.6	11.3	33.8





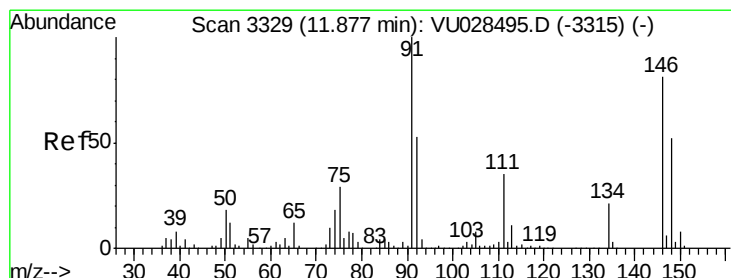
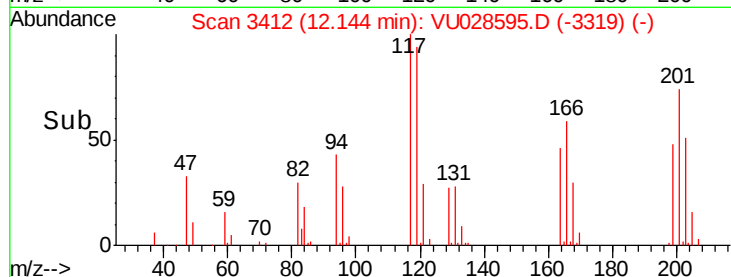
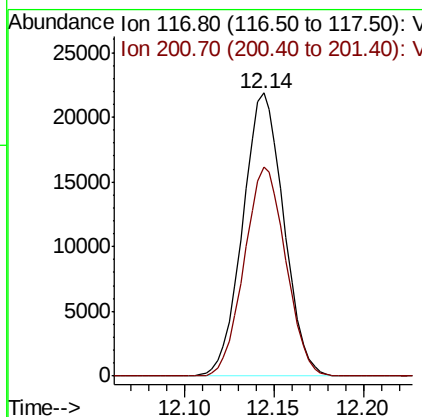
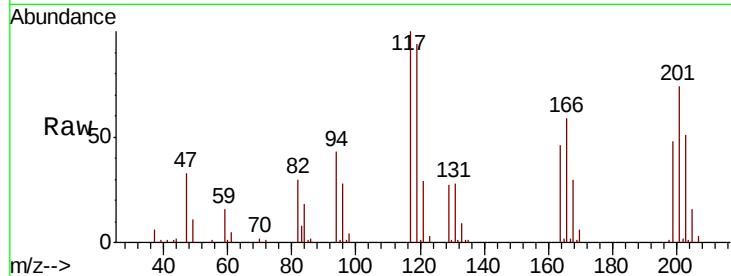
#90
Hexachloroethane
Concen: 50.347 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion:117 Resp: 35196
Ion Ratio Lower Upper
117 100
201 74.5 38.1 114.5

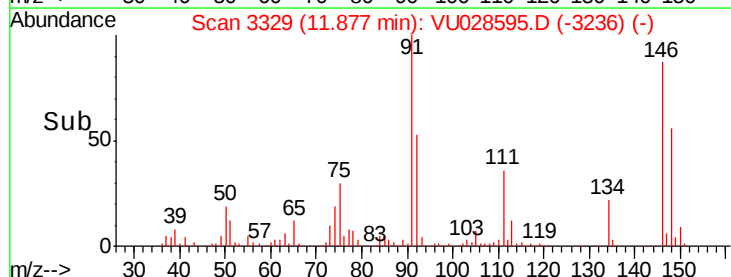
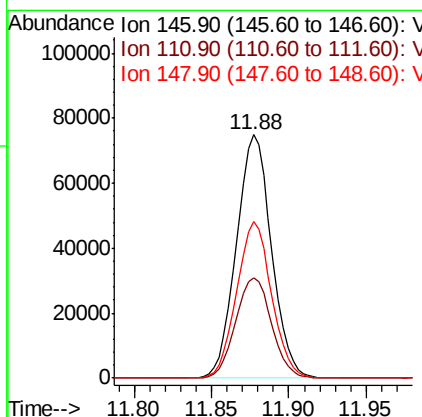
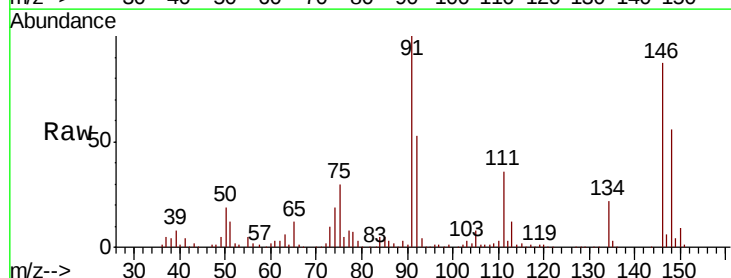
Manual Integrations
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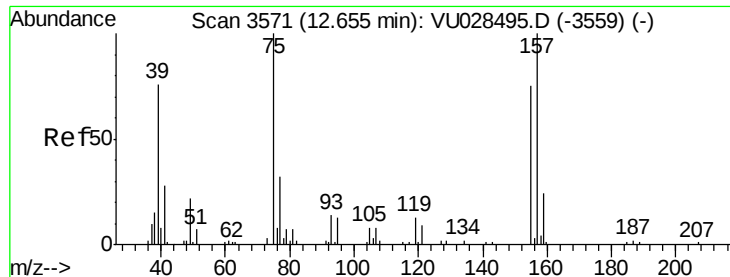
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 50.225 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion:146 Resp: 117854
Ion Ratio Lower Upper
146 100
111 42.1 21.1 63.4
148 63.8 31.4 94.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 69.628 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

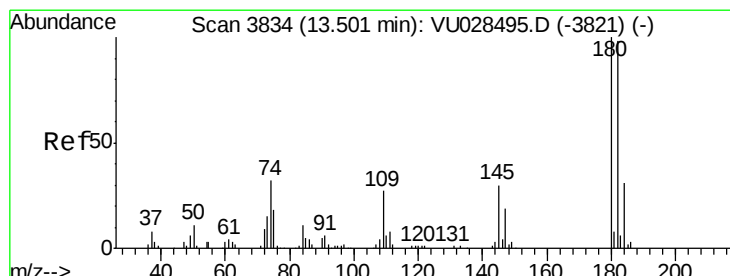
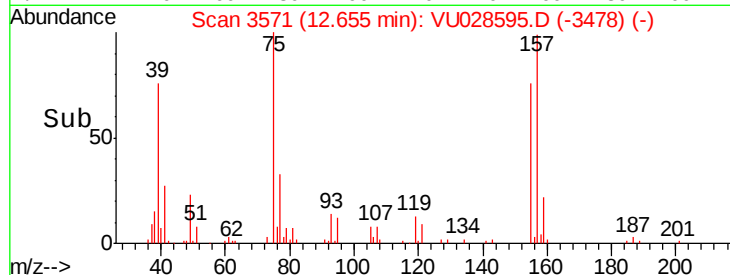
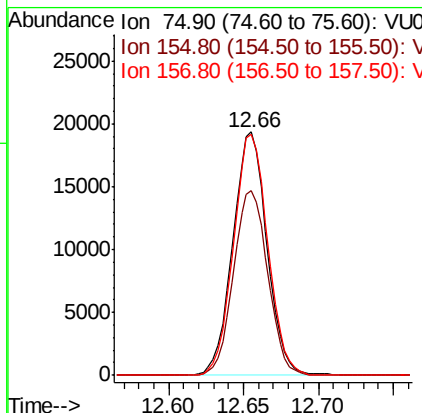
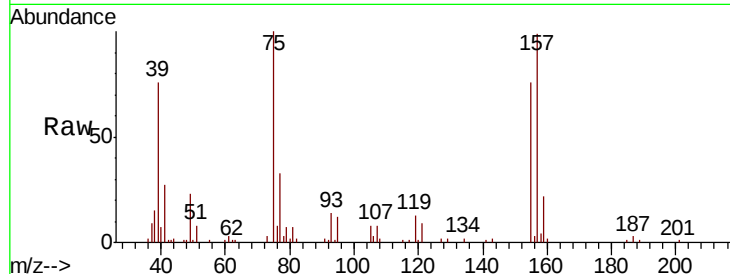
ClientSampleId :

P001-SW004-01MSD

Tot Ion:	75	Resp:	30760
Ion Ratio	Lower	Upper	
75	100		
155	75.9	38.1	114.5
157	99.0	48.7	146.1

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#93

1,2,4-Trichlorobenzene

Concen: 48.855 ug/l

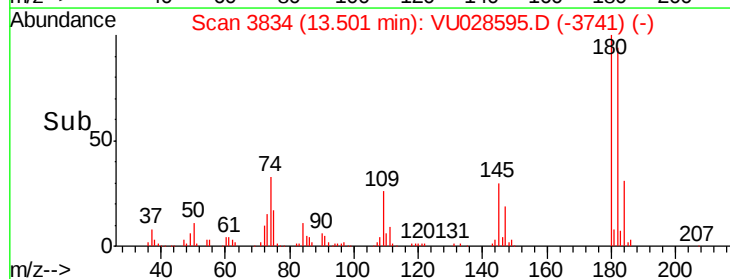
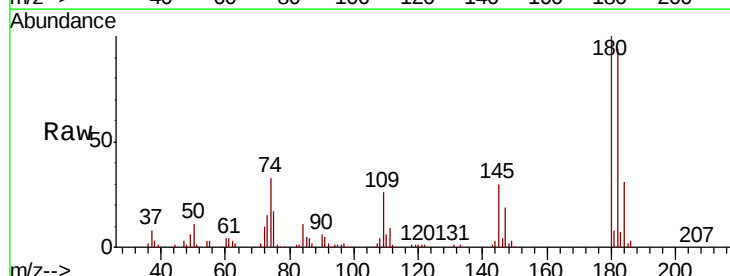
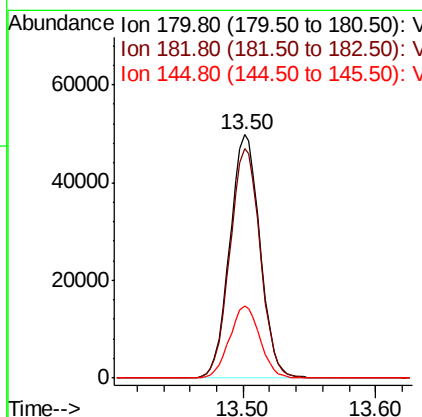
RT: 13.50 min Scan# 3834

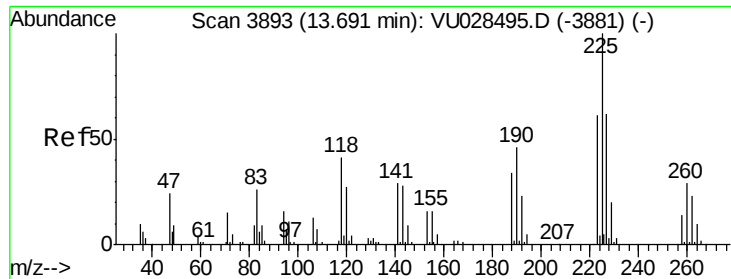
Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Tgt Ion:	180	Resp:	78744
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.8
145	29.8	15.0	45.1





#94

Hexachlorobutadiene

Concen: 46.464 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

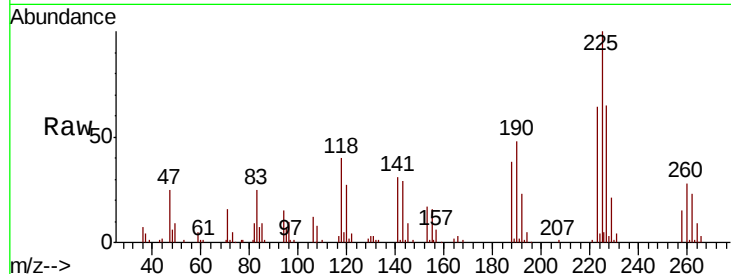
ClientSampleId :

P001-SW004-01MSD

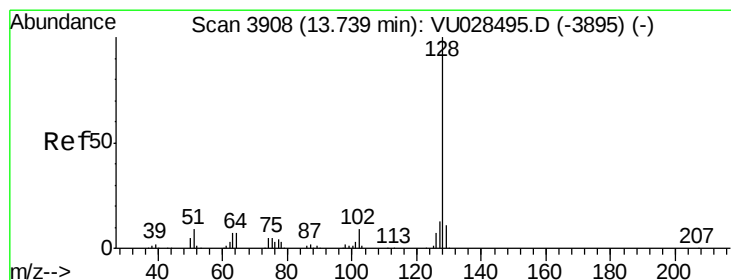
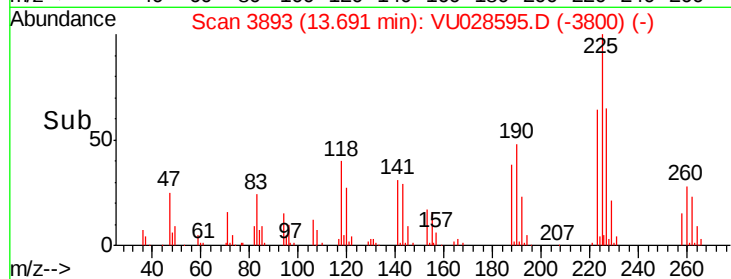
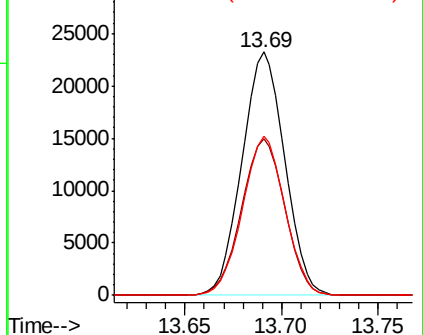
Tot Ion:	225	Resp:	35714
Ion Ratio	Lower	Upper	
225	100		
223	65.2	30.4	91.2
227	64.7	30.7	92.1

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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: 56.740 ug/l

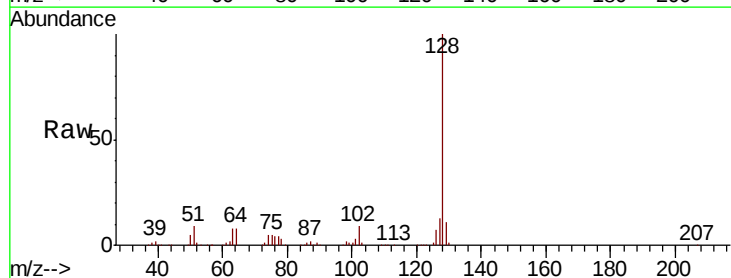
RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

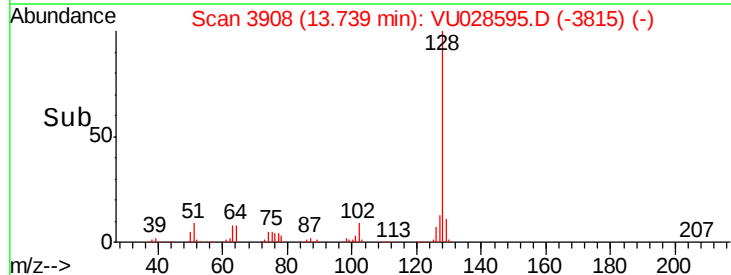
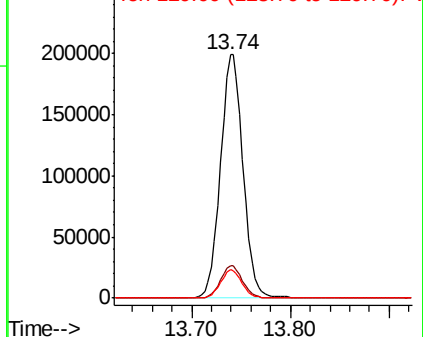
Lab File: VU028595.D

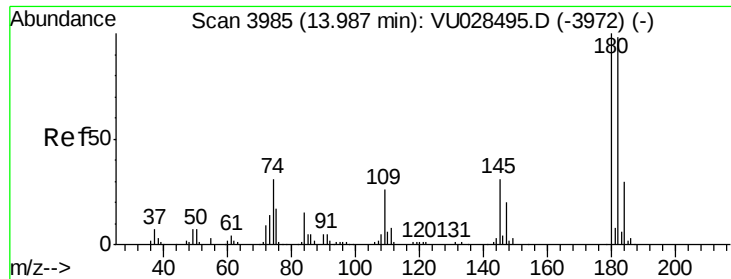
Acq: 11 Dec 2018 09:42

Tgt Ion:	128	Resp:	319489
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 50.600 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion:	180	Resp:	81204
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.2	144.6
145	31.5	15.8	47.3

Manual Integrations
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