

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101118\
 Data File : VU027585.D
 Acq On : 11 Oct 2018 09:31
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:51 PM

Quant Time: Oct 12 09:33:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 09:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	118272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	198781	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	183931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	90696	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
35) Dibromofluoromethane	4.88	113	65095	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	7.57	98	251798	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	10.31	95	90248	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	64801	38.00	ug/l	99
3) Chloromethane	1.33	50	100875	43.70	ug/l	99
4) Vinyl Chloride	1.40	62	96757	44.59	ug/l	100
5) Bromomethane	1.61	94	46088	49.08	ug/l	100
6) Chloroethane	1.69	64	57990	44.47	ug/l	97
7) Trichlorofluoromethane	1.88	101	106248	48.25	ug/l	96
8) Diethyl Ether	2.11	74	48683	48.00	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	63615	49.75	ug/l	98
10) Methyl Iodide	2.41	142	71361	76.66	ug/l	99
11) Tert butyl alcohol	2.83	59	111099	267.14	ug/l	99
12) 1,1-Dichloroethene	2.28	96	60437	48.38	ug/l	99
13) Acrolein	2.20	56	90636	259.72	ug/l	99
14) Allyl chloride	2.59	41	142851	48.15	ug/l	99
15) Acrylonitrile	2.94	53	278853	257.61	ug/l	99
16) Acetone	2.32	43	260489	223.27	ug/l	99
17) Carbon Disulfide	2.48	76	209814	46.57	ug/l	100
18) Methyl Acetate	2.62	43	140650	52.84	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	244309	48.81	ug/l	99
20) Methylene Chloride	2.70	84	77372	47.61	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	68625	48.93	ug/l	99
22) Diisopropyl ether	3.58	45	292987	48.59	ug/l	99
23) Vinyl Acetate	3.53	43	1275108	242.15	ug/l	100
24) 1,1-Dichloroethane	3.45	63	151815	48.98	ug/l	100
25) 2-Butanone	4.26	43	411683	258.76	ug/l	100
26) 2,2-Dichloropropane	4.23	77	117723	46.22	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	77398	48.25	ug/l	100
28) Bromochloromethane	4.55	49	75665	50.59	ug/l	98
29) Tetrahydrofuran	4.64	42	264051	263.35	ug/l	99
30) Chloroform	4.67	83	136986	49.74	ug/l	98
31) Cyclohexane	5.00	56	144711	39.92	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	115132	49.64	ug/l	99
36) 1,1-Dichloropropene	5.14	75	106714	49.44	ug/l	98
37) Ethyl Acetate	4.38	43	148417	53.21	ug/l	99
38) Carbon Tetrachloride	5.14	117	97208	49.86	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	122594	48.59	ug/l	98
40) Benzene	5.39	78	314735	50.06	ug/l	99
41) Methacrylonitrile	4.55	41	81613	51.76	ug/l	98
42) 1,2-Dichloroethane	5.41	62	116175	49.78	ug/l	100
43) Isopropyl Acetate	5.55	43	224486	51.82	ug/l	100
44) Trichloroethene	6.19	130	69959	49.90	ug/l	99
45) 1,2-Dichloropropane	6.43	63	90162	49.72	ug/l	98
46) Dibromomethane	6.56	93	52638	51.40	ug/l	98
47) Bromodichloromethane	6.76	83	106002	49.88	ug/l	100
48) Methyl methacrylate	6.62	41	112545	52.24	ug/l	99
49) 1,4-Dioxane	6.61	88	44540	1201.59	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	752819	267.42	ug/l	100
52) Toluene	7.64	92	187816	50.47	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	126272	50.68	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	135554	50.61	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	74394	50.42	ug/l	99
56) Ethyl methacrylate	8.02	69	129745	52.99	ug/l	99
57) 1,3-Dichloropropane	8.24	76	142130	49.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	369155	269.88	ug/l	99
59) 2-Hexanone	8.36	43	587548	269.05	ug/l	100
60) Dibromochloromethane	8.48	129	75979	51.35	ug/l	99
61) 1,2-Dibromoethane	8.59	107	78724	50.19	ug/l	98
64) Tetrachloroethene	8.23	164	58751	51.31	ug/l	98
65) Chlorobenzene	9.12	112	194014	50.11	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	69099	51.70	ug/l	98
67) Ethyl Benzene	9.25	91	352191	51.34	ug/l	100
68) m/p-Xylenes	9.38	106	264497	105.42	ug/l	99
69) o-Xylene	9.78	106	127149	53.33	ug/l	98
70) Styrene	9.79	104	213576	54.55	ug/l	100
71) Bromoform	9.96	173	57824	53.77	ug/l #	98
73) Isopropylbenzene	10.17	105	341536	50.86	ug/l	99
74) N-amyl acetate	10.02	43	202443	52.66	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	130751	49.58	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	114493m	47.77	ug/l	
77) Bromobenzene	10.45	156	79325	50.82	ug/l	97
78) n-propylbenzene	10.59	91	413977	51.30	ug/l	100
79) 2-Chlorotoluene	10.66	91	243355	49.94	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	286420	52.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	56067m	61.22	ug/l	
82) 4-Chlorotoluene	10.77	91	280817	50.79	ug/l	98
83) tert-Butylbenzene	11.10	119	273555	51.75	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	294420	52.71	ug/l	99
85) sec-Butylbenzene	11.32	105	345172	51.83	ug/l	99
86) p-Isopropyltoluene	11.48	119	297646	52.20	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	146987	49.73	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	149813	49.61	ug/l	99
89) n-Butylbenzene	11.89	91	277426	52.16	ug/l	100
90) Hexachloroethane	12.15	117	53097	49.40	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	146348	50.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31353	53.65	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	98841	53.10	ug/l	99
94) Hexachlorobutadiene	13.69	225	48009	51.05	ug/l	99
95) Naphthalene	13.74	128	347824	55.73	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	101711	52.45	ug/l	98

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

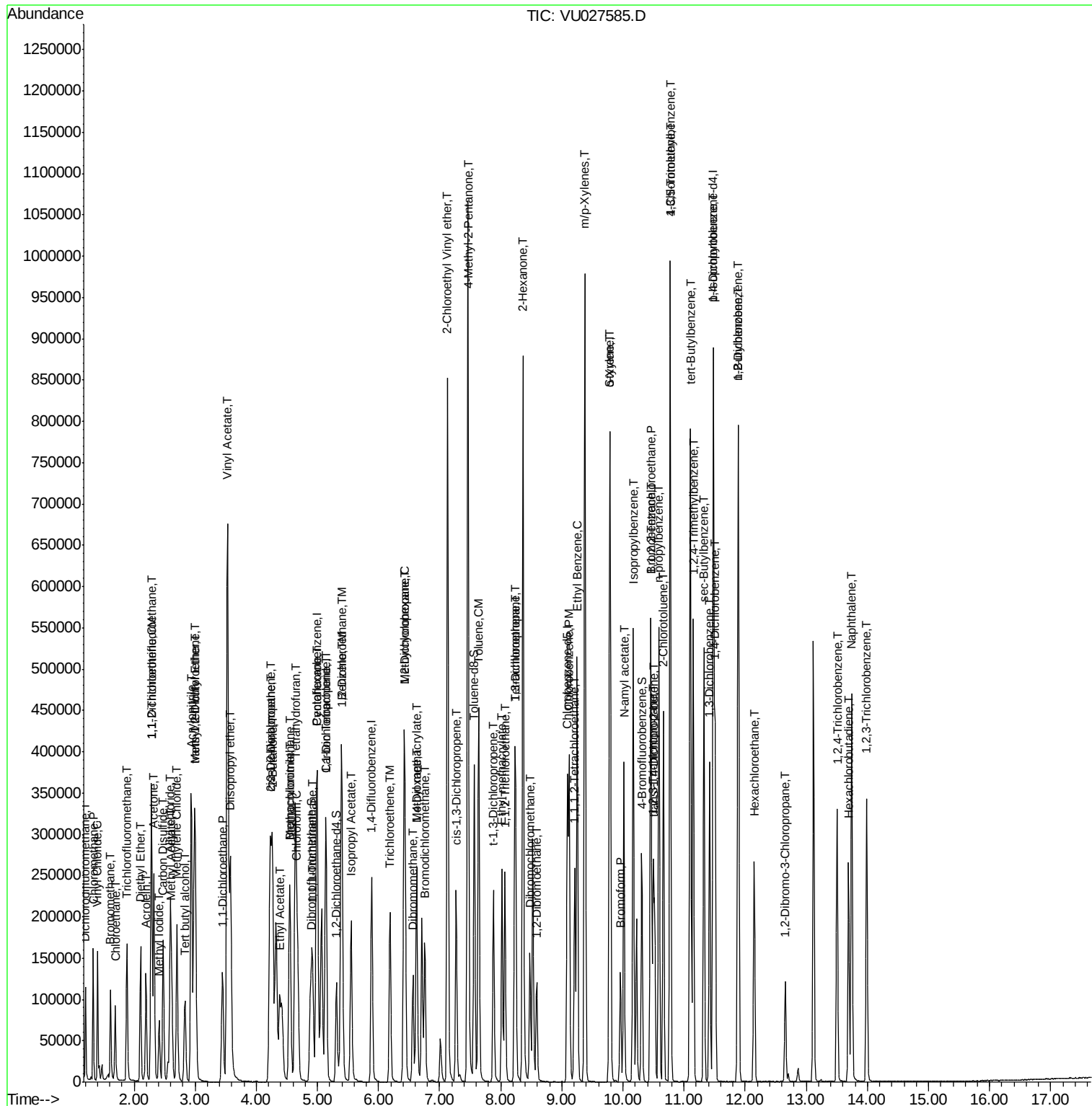
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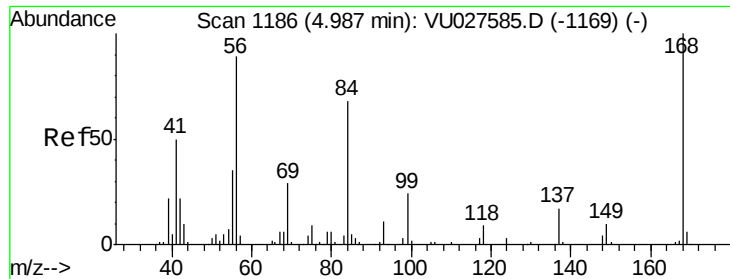
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion:168 Resp: 118272

Ion Ratio Lower Upper

168 100

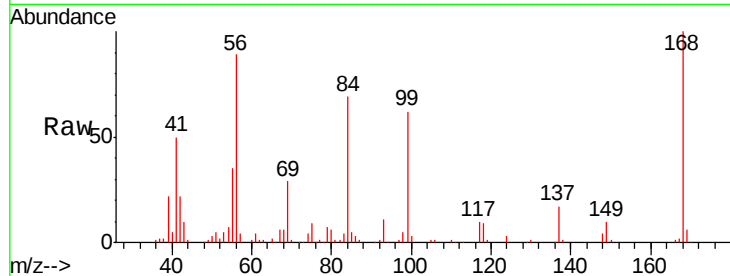
99 61.8 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027585.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027585.D (-1169) (-)

4.99

60000

50000

40000

30000

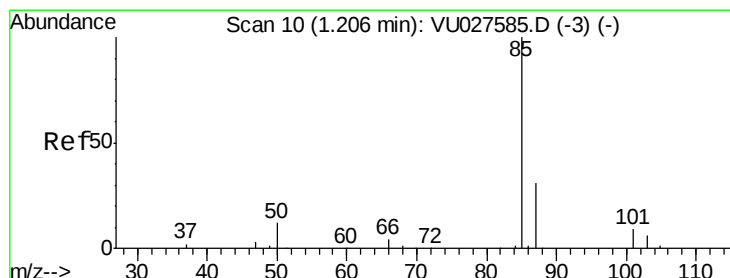
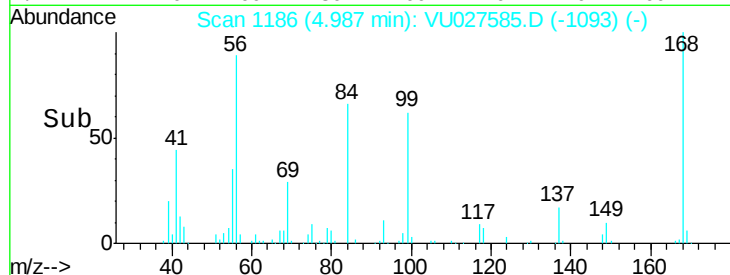
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.00 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027585.D

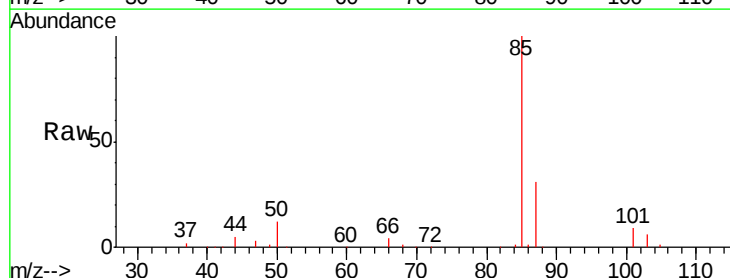
Acq: 11 Oct 2018 09:31

Tgt Ion: 85 Resp: 64801

Ion Ratio Lower Upper

85 100

87 31.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027585.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027585.D (-3) (-)

1.21

60000

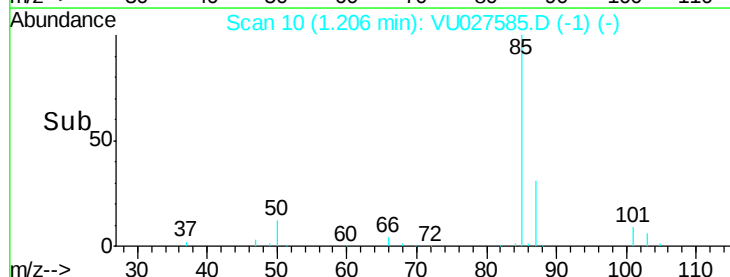
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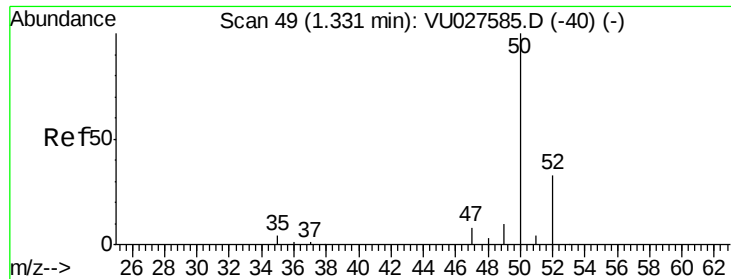
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.70 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 100875

Ion Ratio Lower Upper

50 100

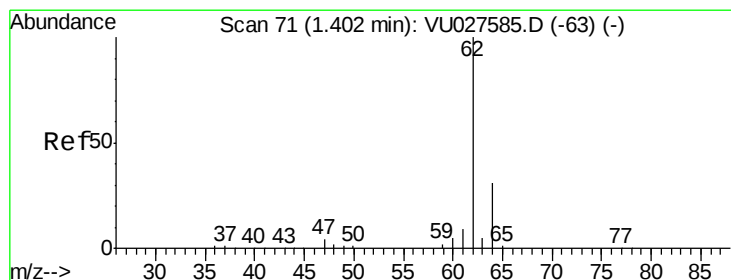
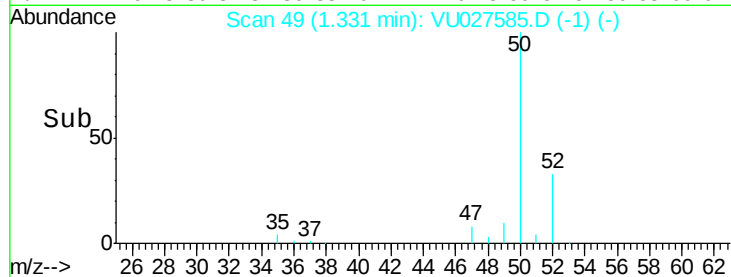
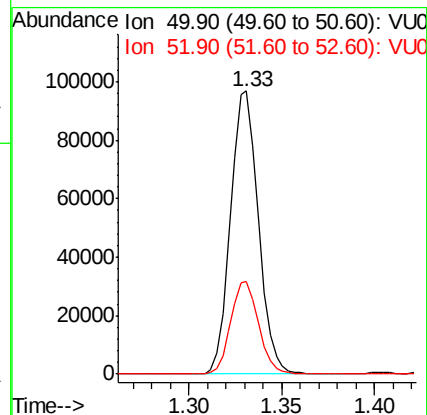
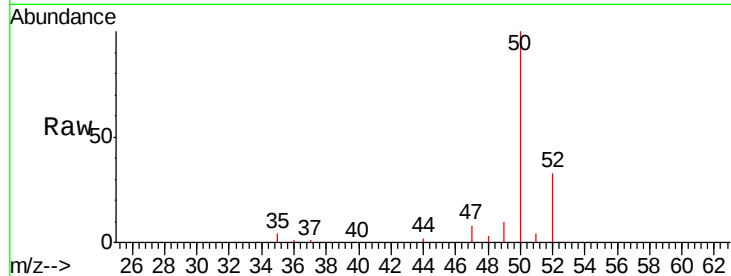
52 32.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.59 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027585.D

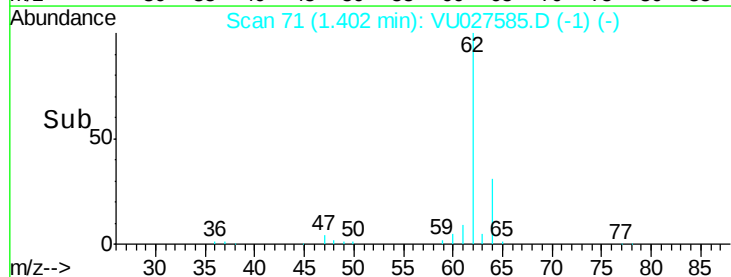
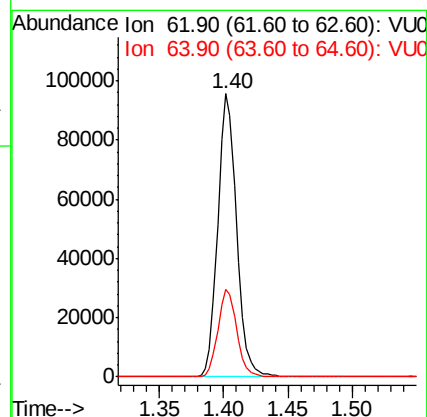
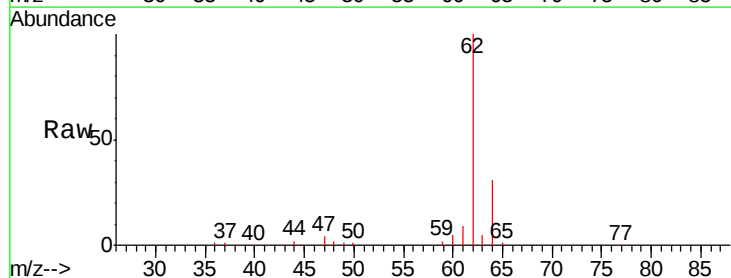
Acq: 11 Oct 2018 09:31

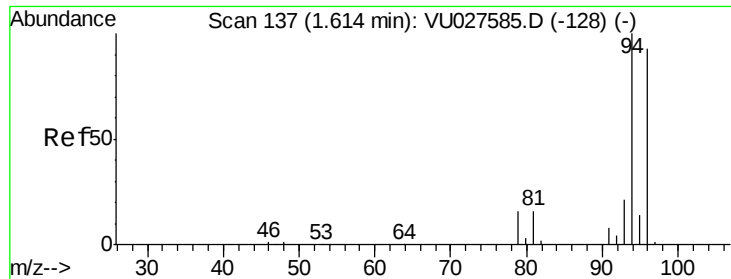
Tgt Ion: 62 Resp: 96757

Ion Ratio Lower Upper

62 100

64 31.0 24.9 37.3





#5

Bromomethane

Concen: 49.08 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 94 Resp: 46088

Ion Ratio Lower Upper

94 100

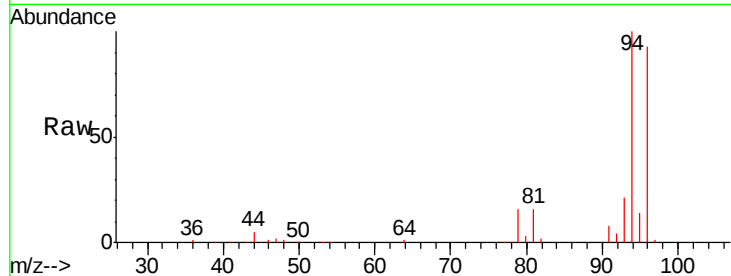
96 92.9 74.6 111.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU027585.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027585.D (-128) (-)

1.61

40000

30000

20000

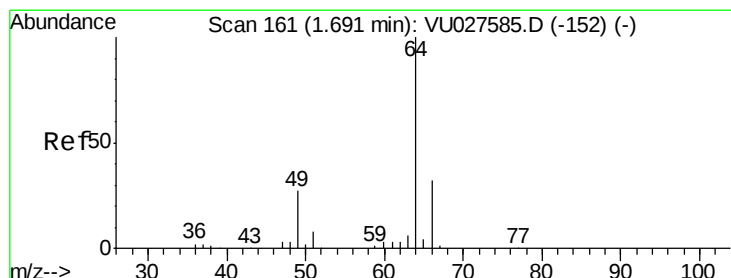
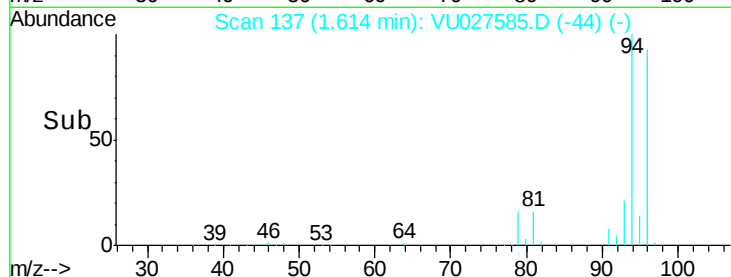
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0

1.60

1.65

Time-->



#6

Chloroethane

Concen: 44.47 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.00 min

Lab File: VU027585.D

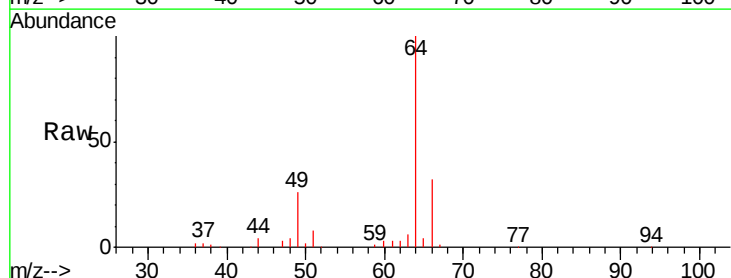
Acq: 11 Oct 2018 09:31

Tgt Ion: 64 Resp: 57990

Ion Ratio Lower Upper

64 100

66 32.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU027585.D (-152) (-)

Ion 65.90 (65.60 to 66.60): VU027585.D (-152) (-)

1.69

50000

40000

30000

20000

10000

0

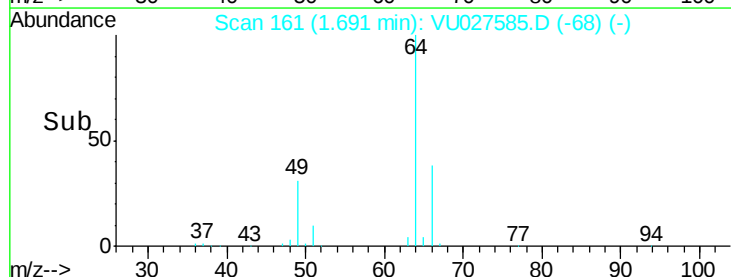
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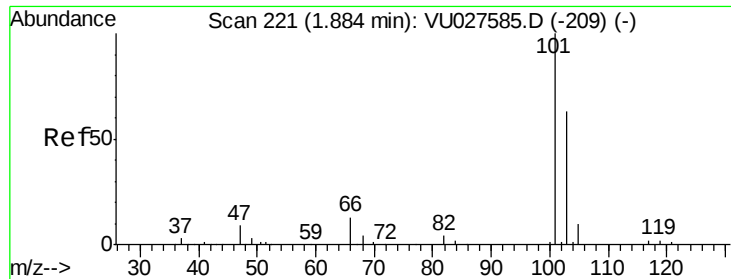
1.70

1.75

1.80

Time-->





#7

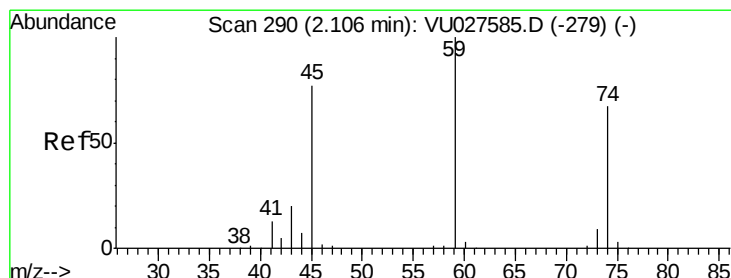
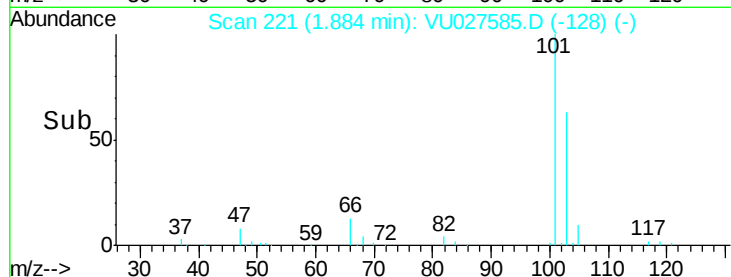
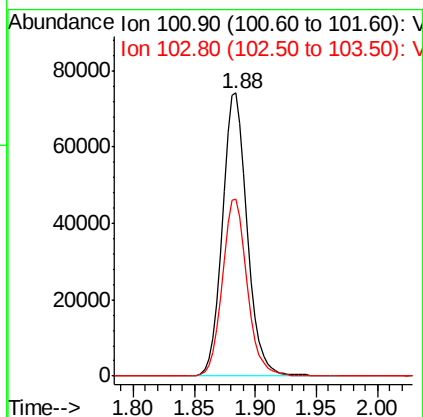
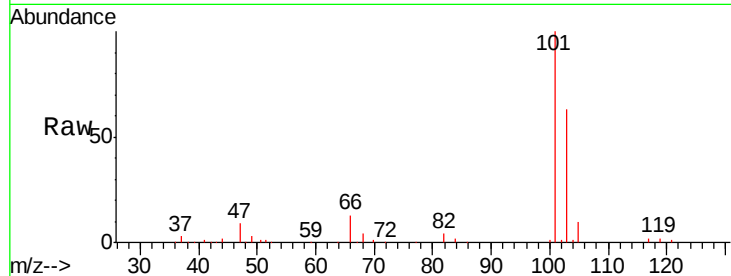
Trichlorofluoromethane
Concen: 48.25 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 101 Resp: 106248
Ion Ratio Lower Upper
101 100
103 62.8 52.6 78.8

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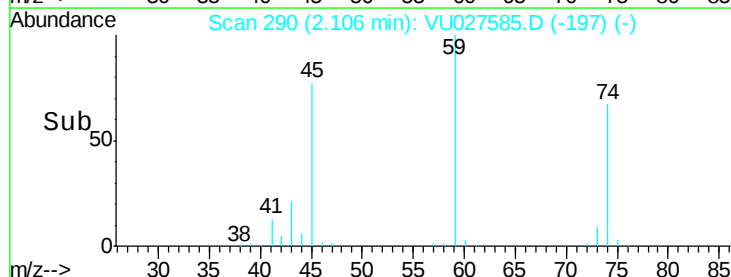
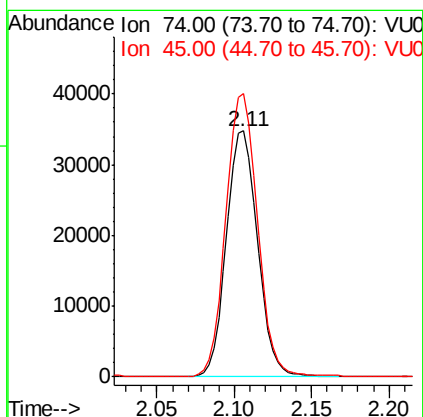
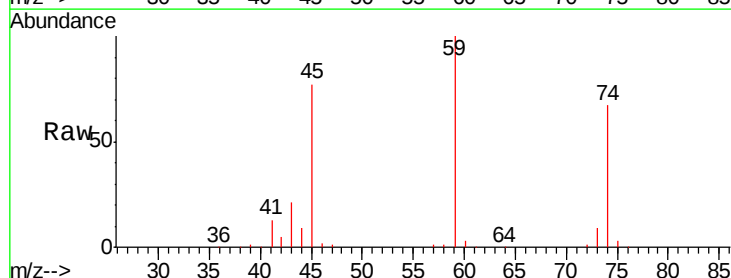
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10/16/2018 2:22:51 PM

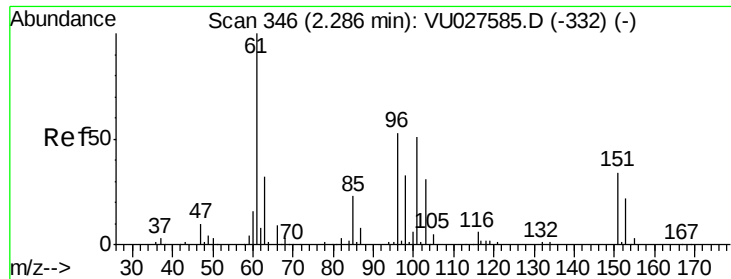


#8

Diethyl Ether
Concen: 48.00 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion: 74 Resp: 48683
Ion Ratio Lower Upper
74 100
45 117.1 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.75 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027585.D

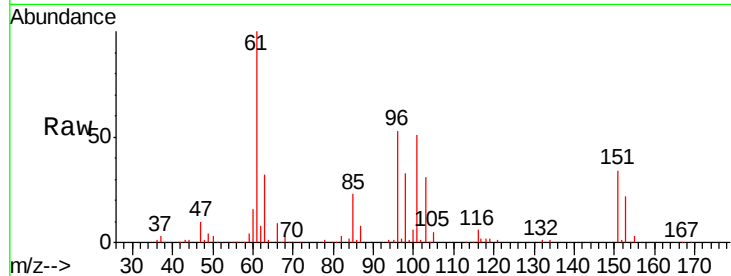
Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

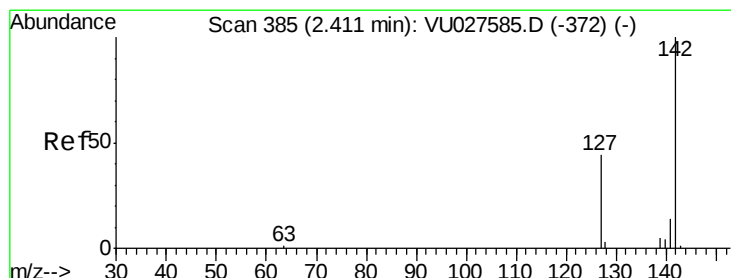
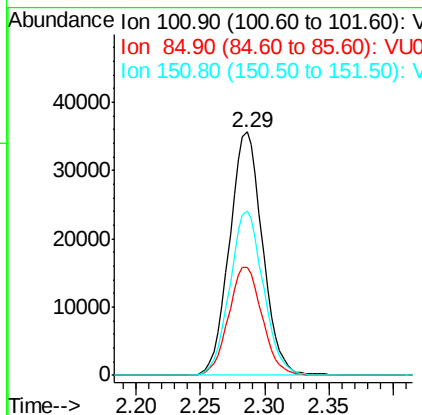
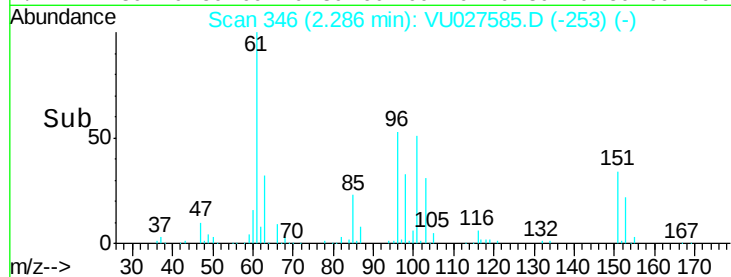
VSTDICCC050



Tgt Ion:	101	Resp:	63615
Ion Ratio	Lower	Upper	
101	100		
85	45.0	37.5	56.3
151	68.0	55.6	83.4

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#10

Methyl Iodide

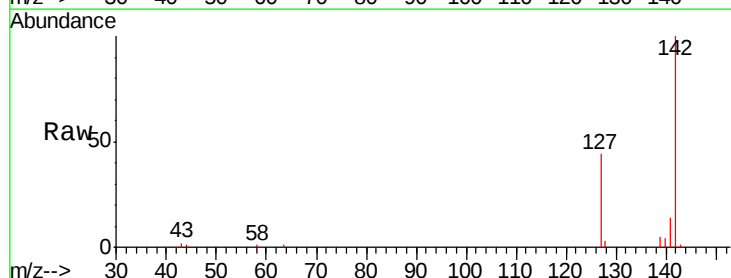
Concen: 76.66 ug/l

RT: 2.41 min Scan# 385

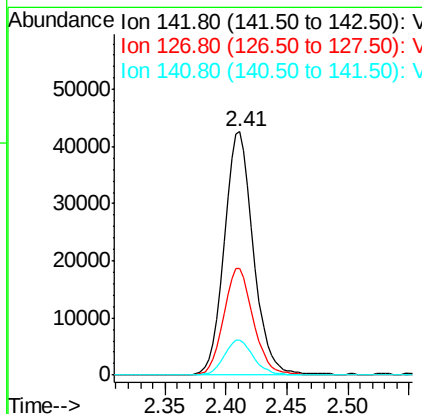
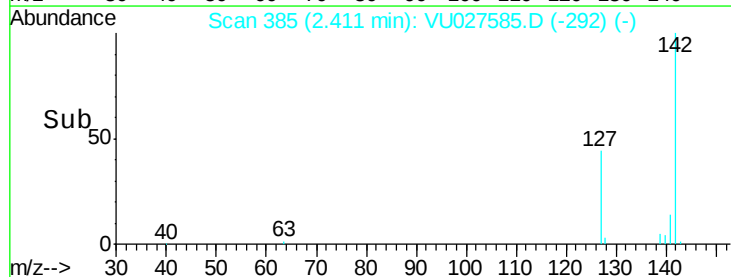
Delta R.T. 0.00 min

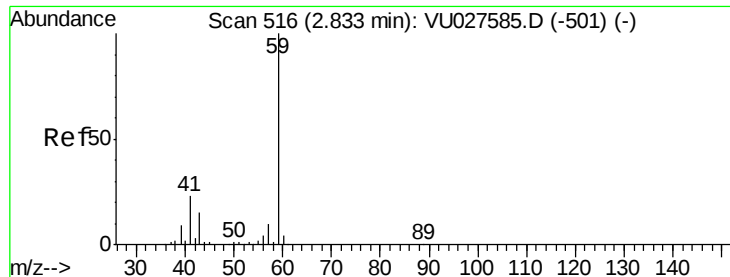
Lab File: VU027585.D

Acq: 11 Oct 2018 09:31



Tgt Ion:	142	Resp:	71361
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.3	54.5
141	14.5	11.6	17.4





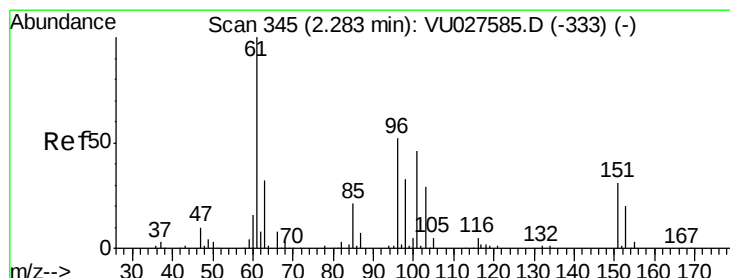
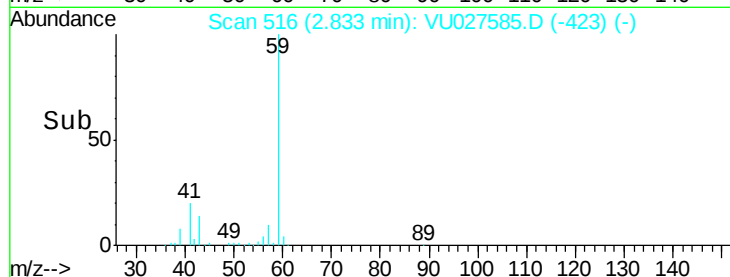
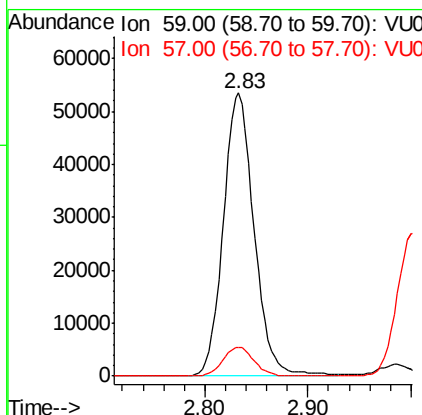
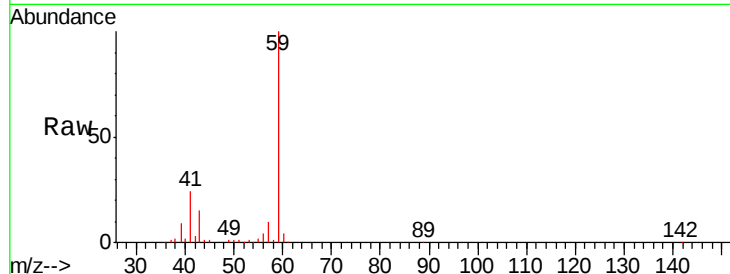
#11
Tert butyl alcohol
Concen: 267.14 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

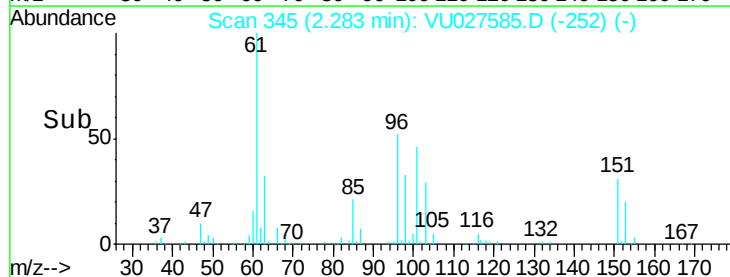
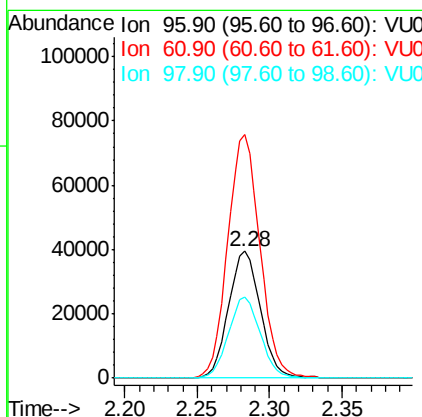
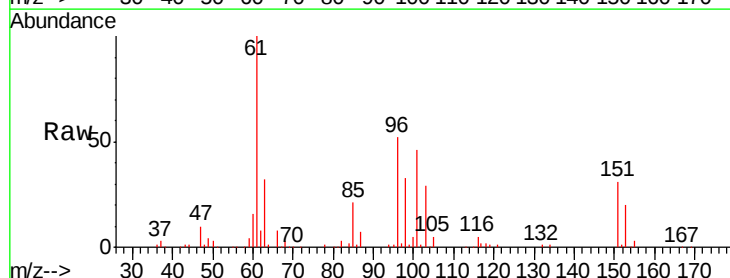
Manual Integrations
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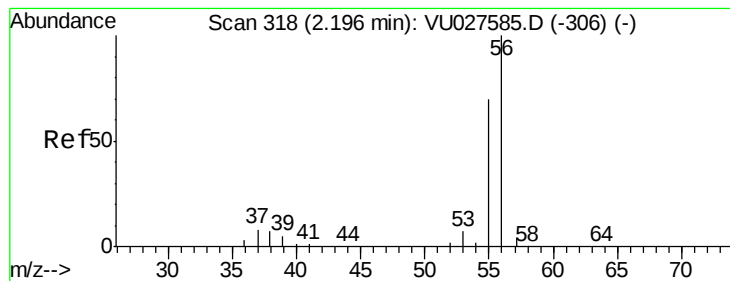
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.38 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.4	153.0	229.6
98	64.0	49.3	73.9





#13

Acrolein

Concen: 259.72 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 90636

Ion Ratio Lower Upper

56 100

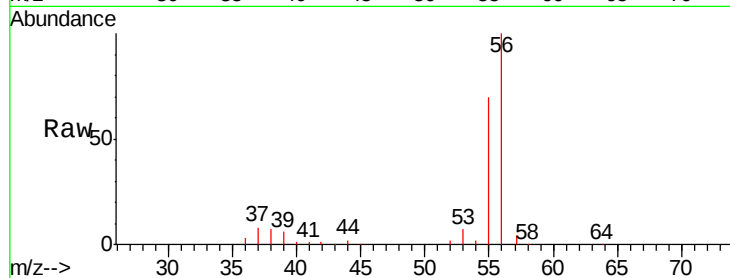
55 71.4 57.7 86.5

Manual Integrations

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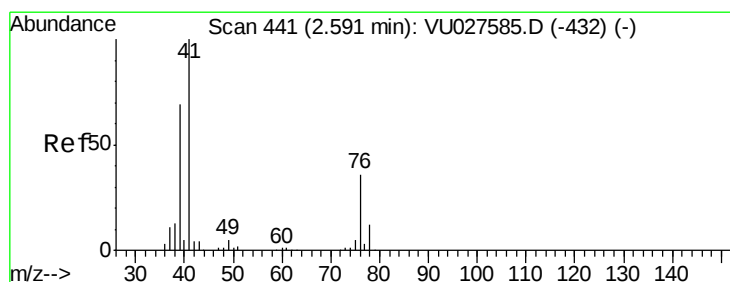
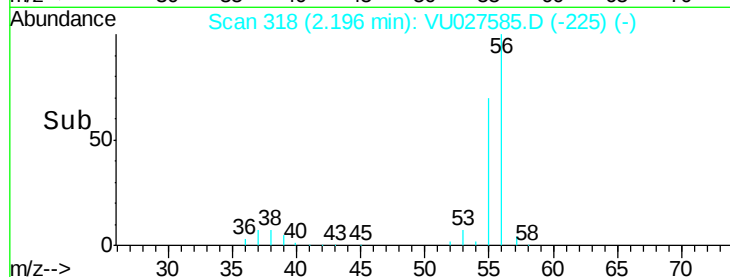
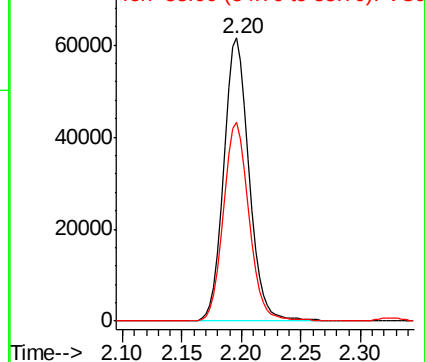
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Abundance Ion 56.00 (55.70 to 56.70): VU027585.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027585.D (-306) (-)



#14

Allyl chloride

Concen: 48.15 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

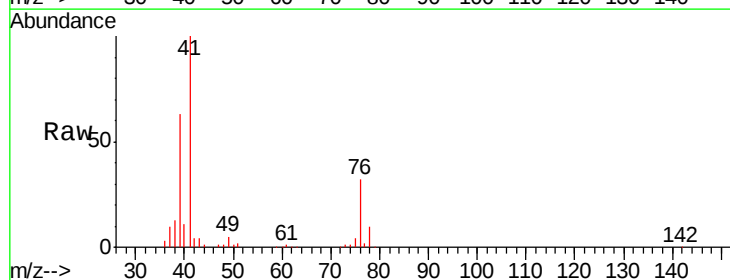
Tgt Ion: 41 Resp: 142851

Ion Ratio Lower Upper

41 100

39 64.1 51.8 77.8

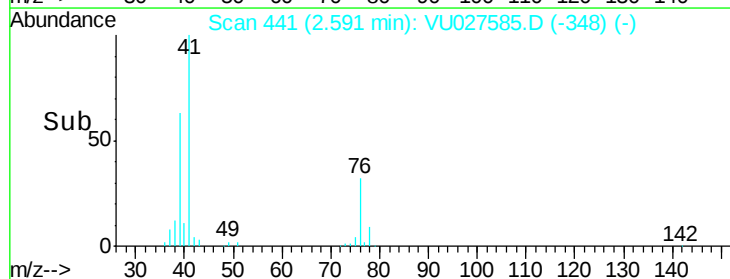
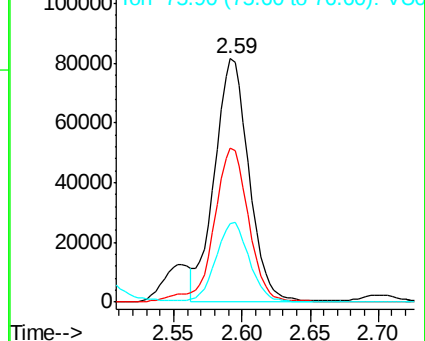
76 32.1 25.9 38.9

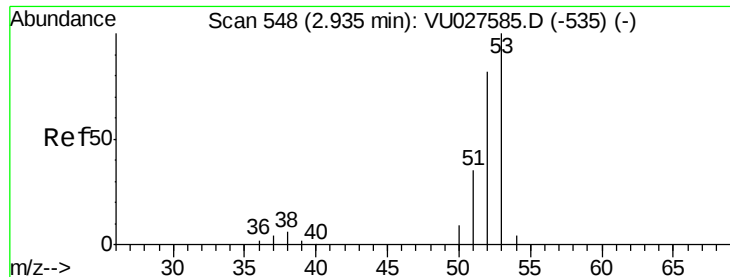


Abundance Ion 41.00 (40.70 to 41.70): VU027585.D (-432) (-)

Ion 39.00 (38.70 to 39.70): VU027585.D (-432) (-)

Ion 75.90 (75.60 to 76.60): VU027585.D (-432) (-)





#15

Acrylonitrile

Concen: 257.61 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

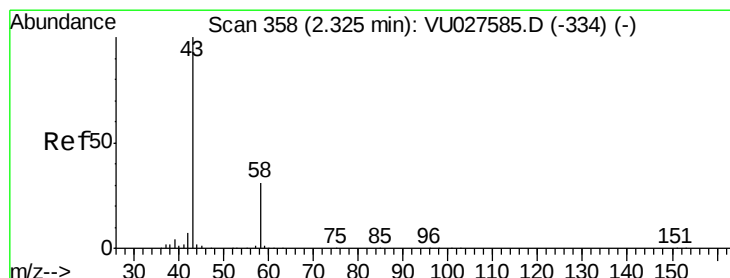
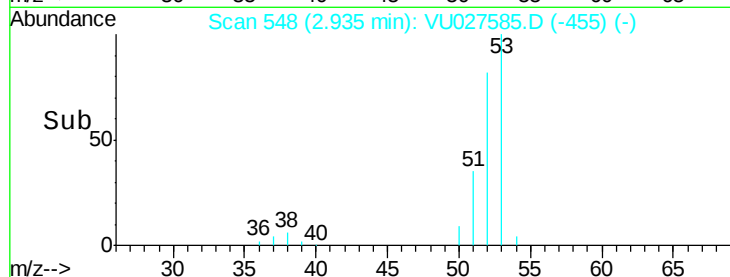
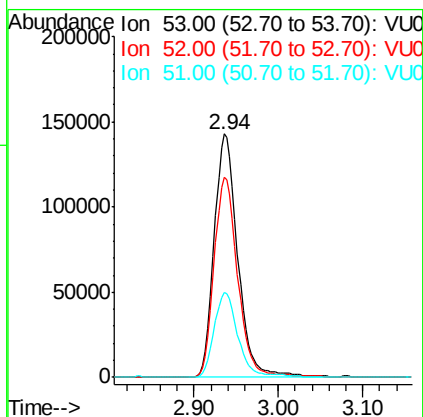
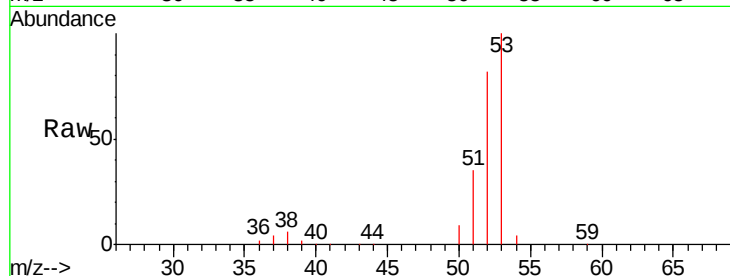
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	278853
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.6	27.6	41.4

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#16

Acetone

Concen: 223.27 ug/l

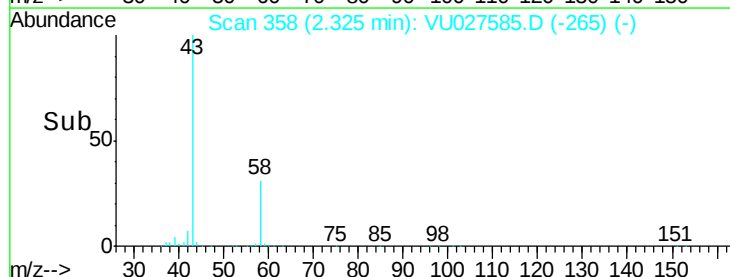
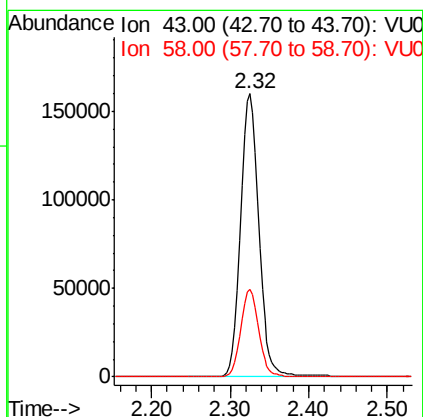
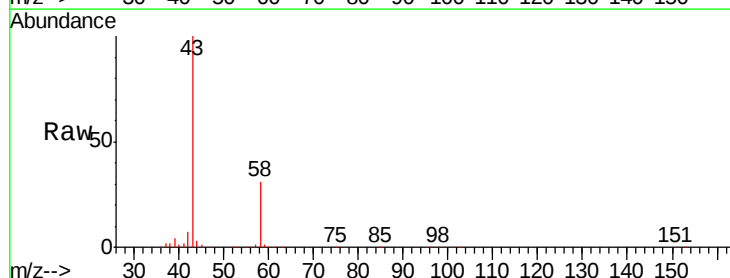
RT: 2.32 min Scan# 358

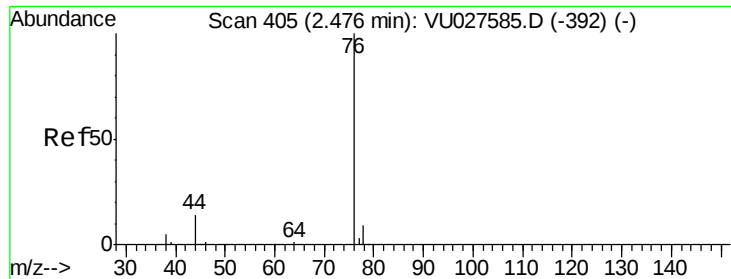
Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Tgt Ion:	43	Resp:	260489
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.2	36.4





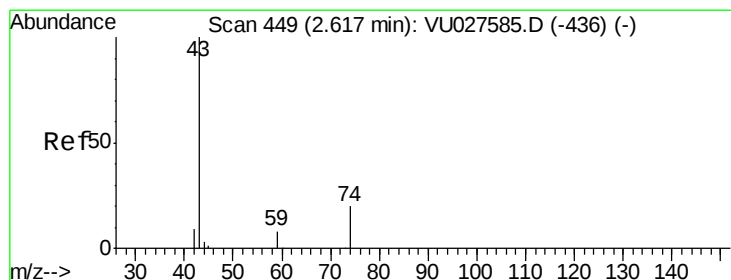
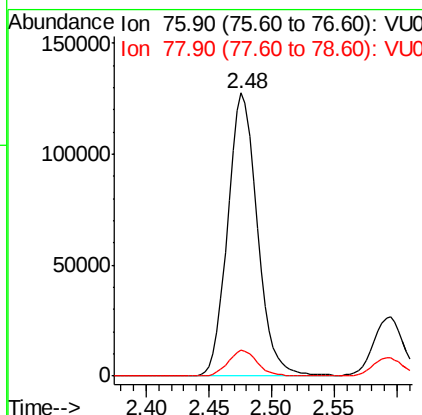
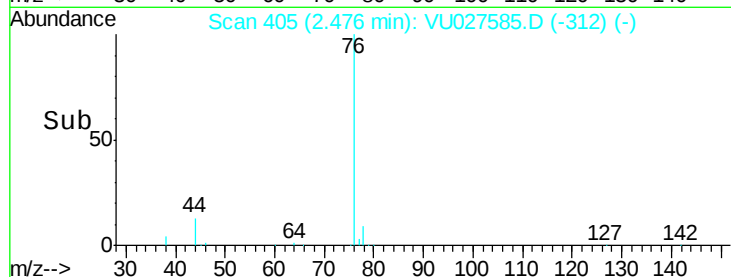
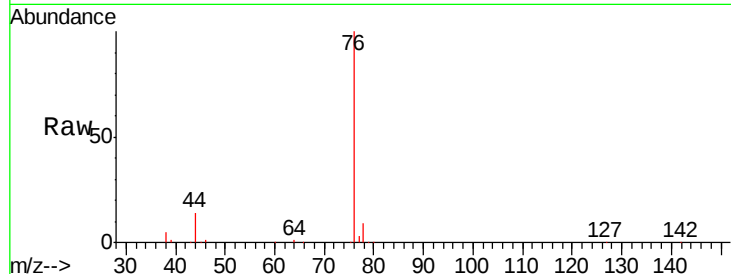
#17
Carbon Disulfide
Concen: 46.57 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 209814
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

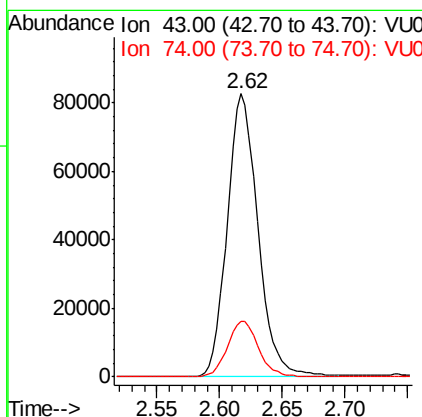
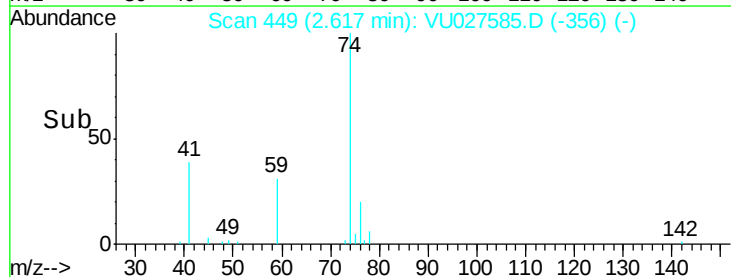
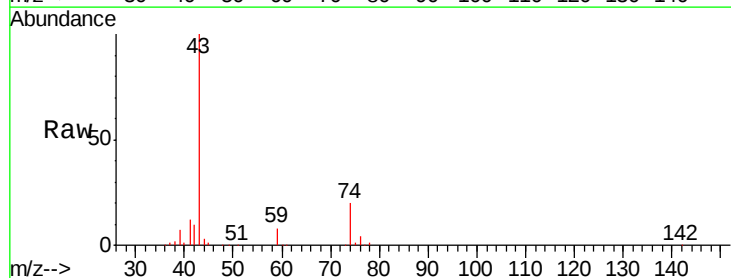
Manual Integrations
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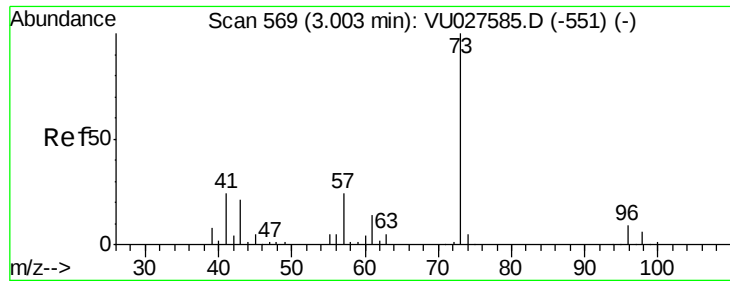
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#18
Methyl Acetate
Concen: 52.84 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion: 43 Resp: 140650
Ion Ratio Lower Upper
43 100
74 19.9 16.5 24.7





#19

Methyl tert-butyl Ether

Concen: 48.81 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 244309

Ion Ratio Lower Upper

73 100

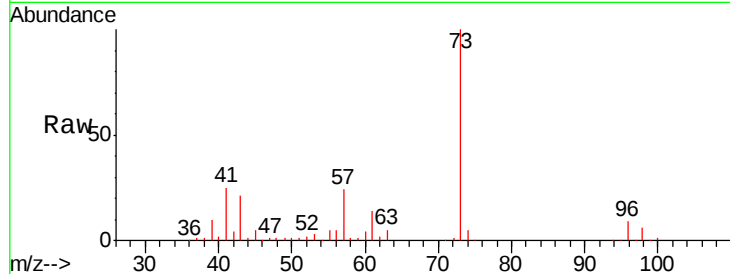
57 24.3 20.0 30.0

Manual Integrations

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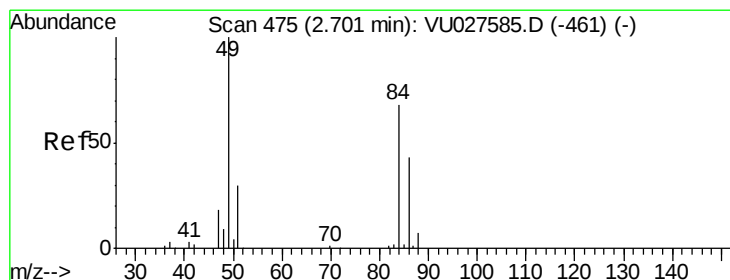
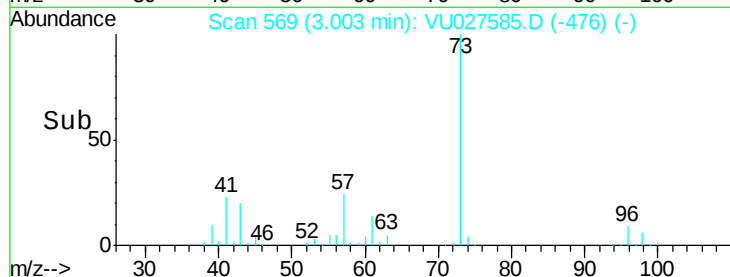
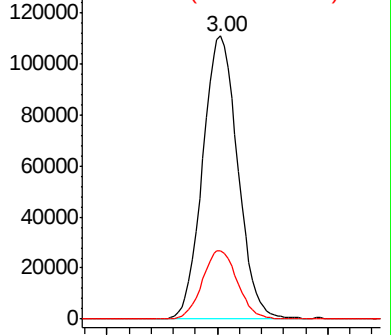
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Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#20

Methylene Chloride

Concen: 47.61 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Tgt Ion: 84 Resp: 77372

Ion Ratio Lower Upper

84 100

49 147.0 120.5 180.7

51 44.3 35.1 52.7

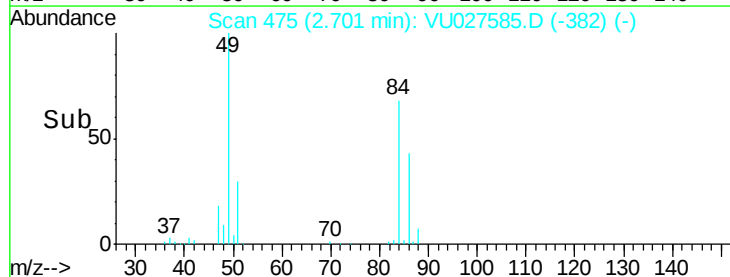
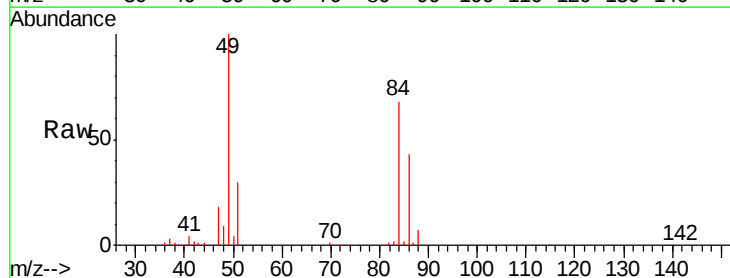
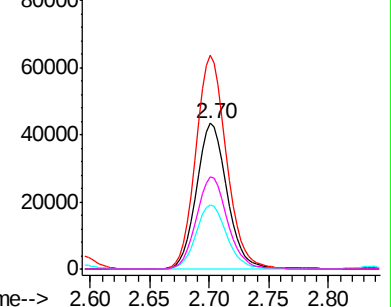
86 63.1 50.5 75.7

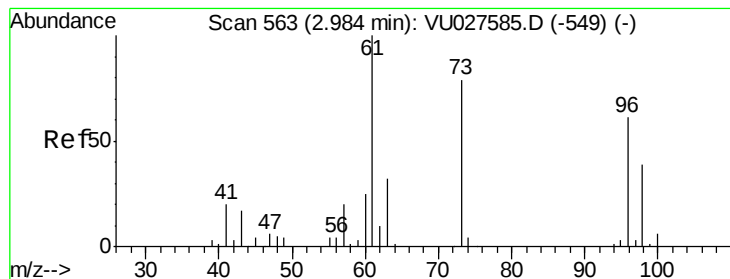
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 48.93 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 68625

Ion Ratio Lower Upper

96 100

61 163.8 129.4 194.2

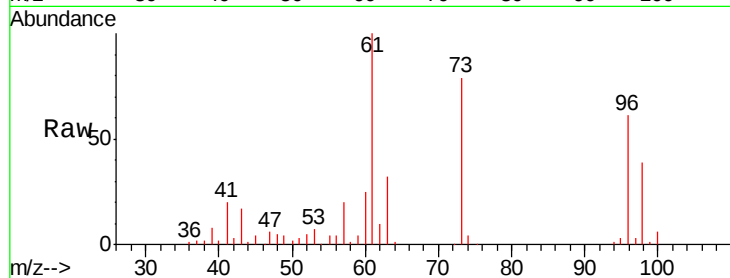
98 64.2 51.2 76.8

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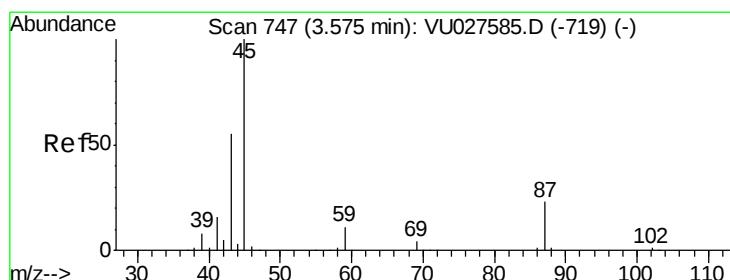
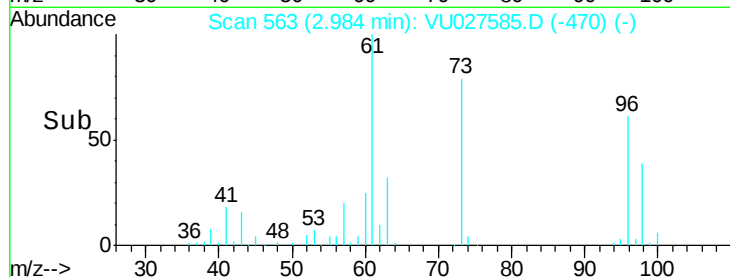
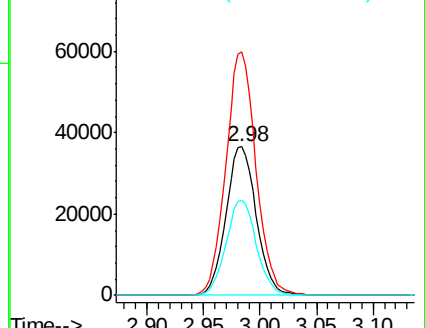
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Abundance Ion 95.90 (95.60 to 96.60): VU027585.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU027585.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU027585.D (-549) (-)



#22

Diisopropyl ether

Concen: 48.59 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Tgt Ion: 45 Resp: 292987

Ion Ratio Lower Upper

45 100

43 55.3 43.4 65.2

87 23.0 17.5 26.3

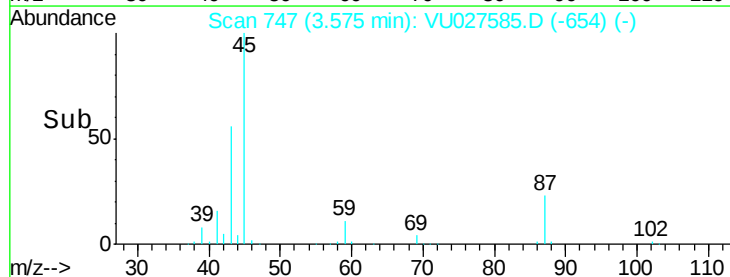
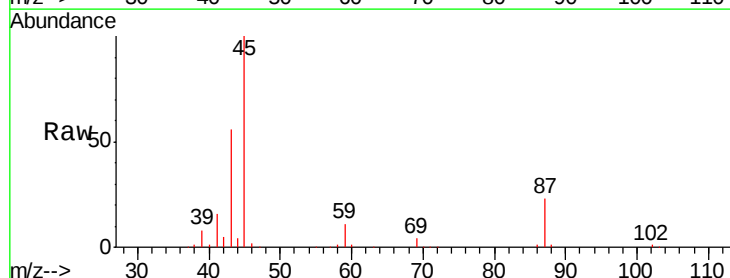
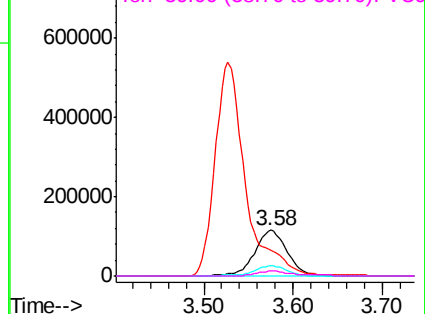
59 10.8 8.6 13.0

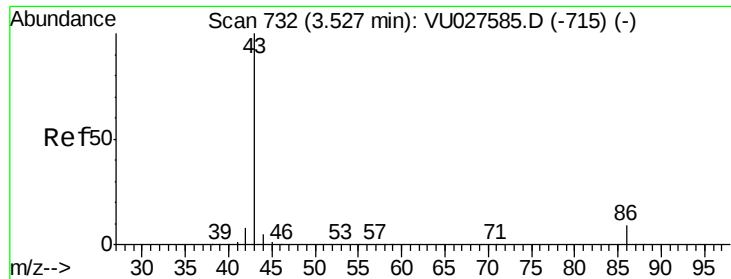
Abundance Ion 45.00 (44.70 to 45.70): VU027585.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU027585.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027585.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027585.D (-719) (-)





#23

Vinyl Acetate

Concen: 242.15 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1275108

Ion Ratio Lower Upper

43 100

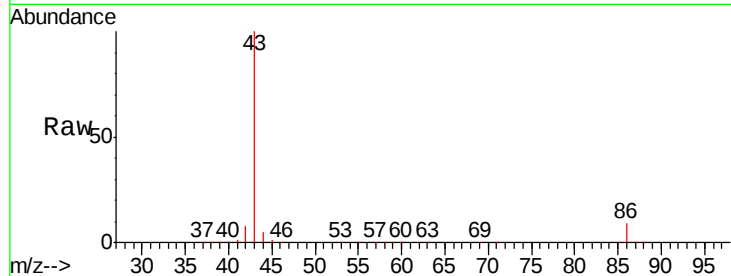
86 8.9 7.0 10.4

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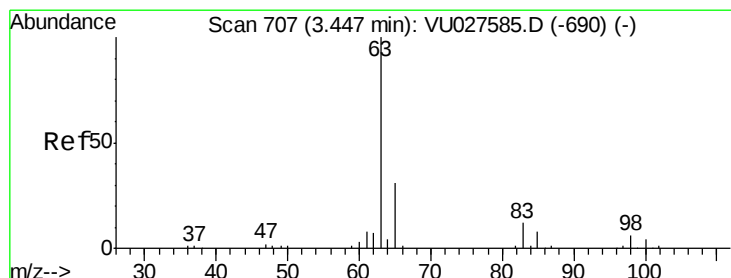
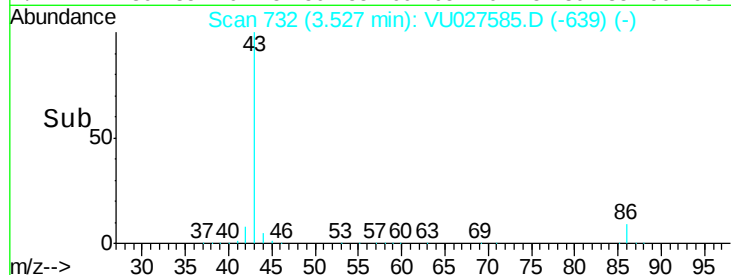
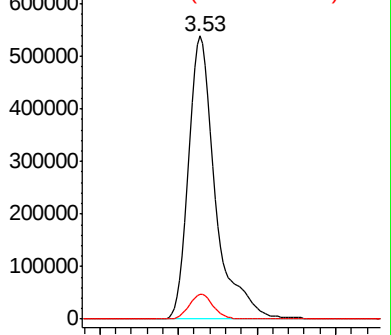
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 48.98 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

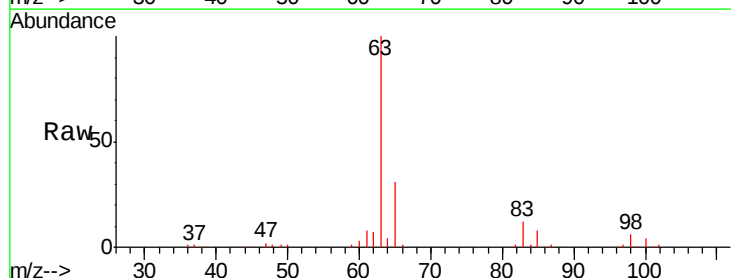
Tgt Ion: 63 Resp: 151815

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

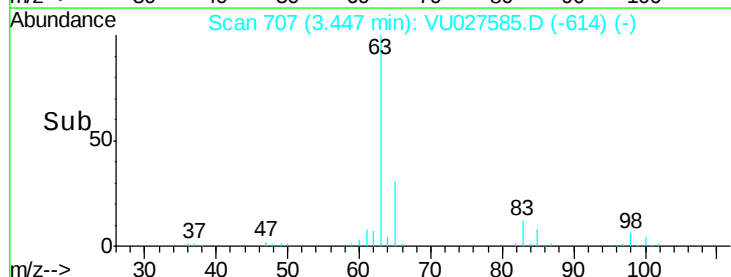
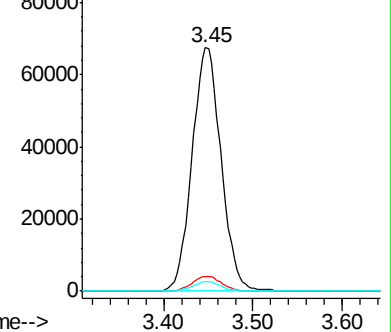
100 3.9 1.8 5.5

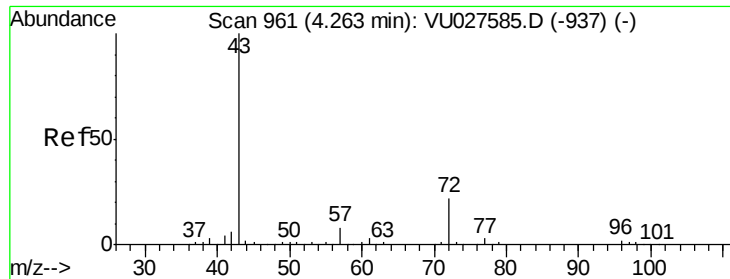


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 258.76 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 411683

Ion Ratio Lower Upper

43 100

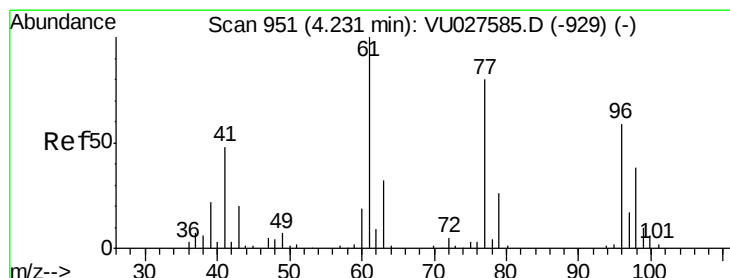
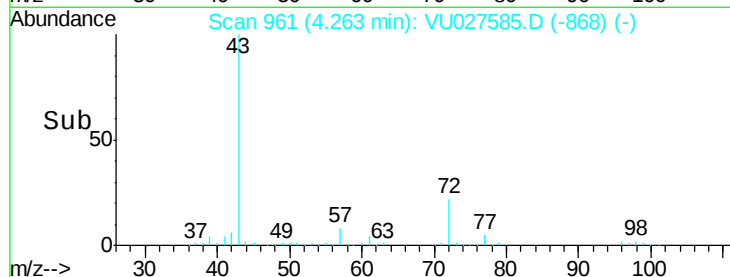
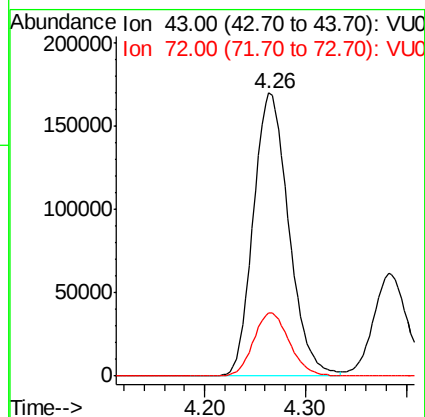
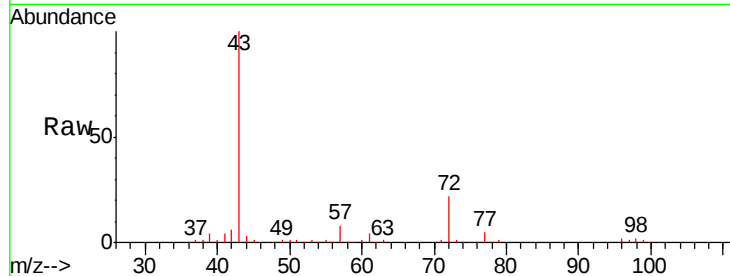
72 22.3 17.8 26.6

Manual Integrations

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10/16/2018 2:22:51 PM



#26

2,2-Dichloropropane

Concen: 46.22 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027585.D

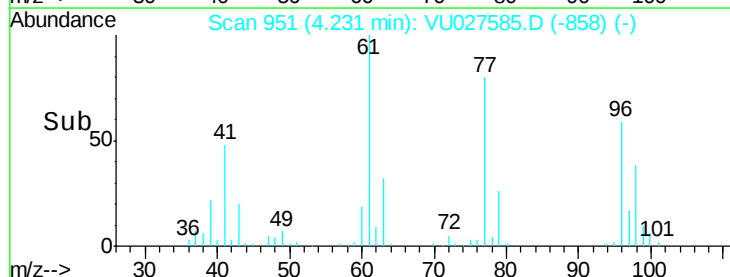
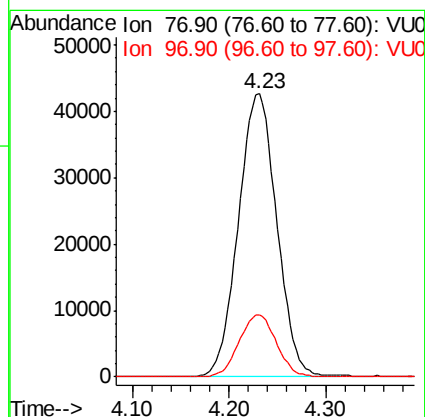
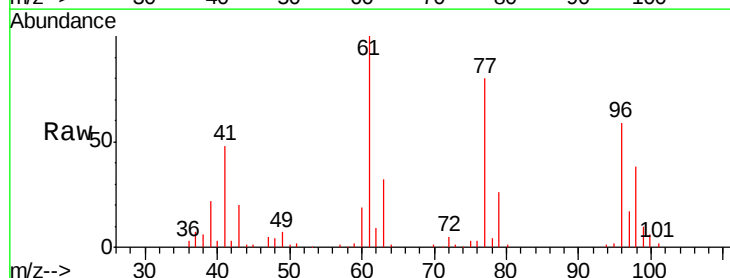
Acq: 11 Oct 2018 09:31

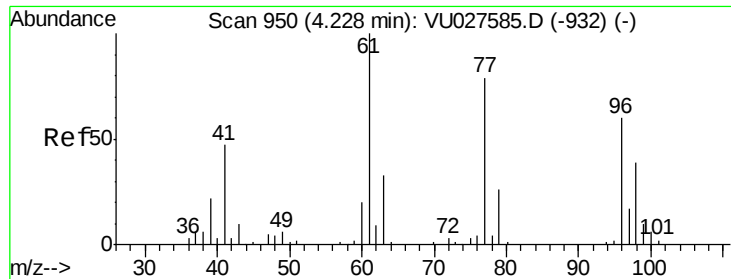
Tgt Ion: 77 Resp: 117723

Ion Ratio Lower Upper

77 100

97 21.2 10.4 31.1





#27

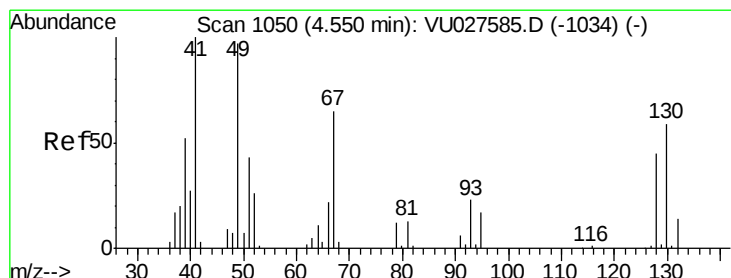
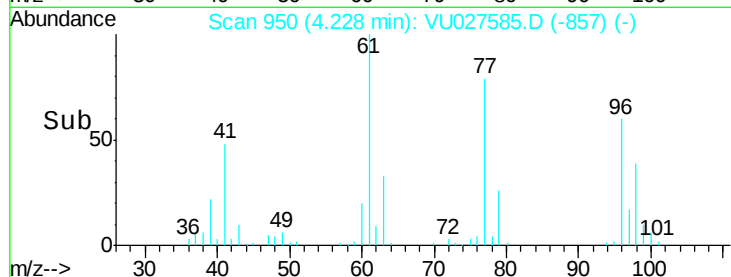
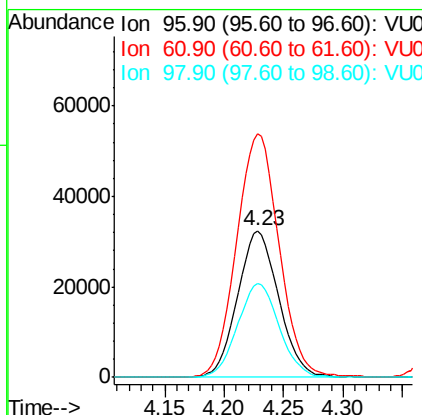
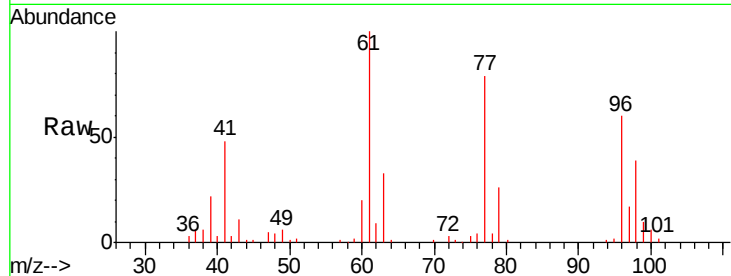
cis-1,2-Dichloroethene
Concen: 48.25 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	77398		
61	171.8	0.0	343.8	
98	65.2	0.0	129.0	

Manual Integrations
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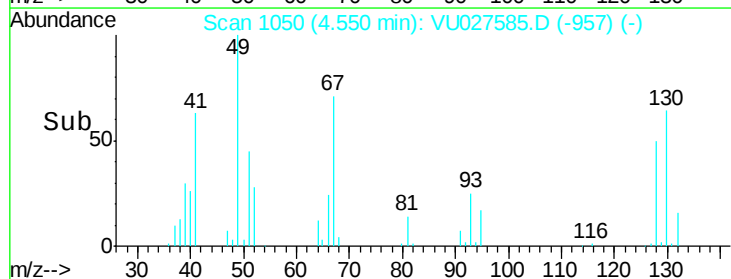
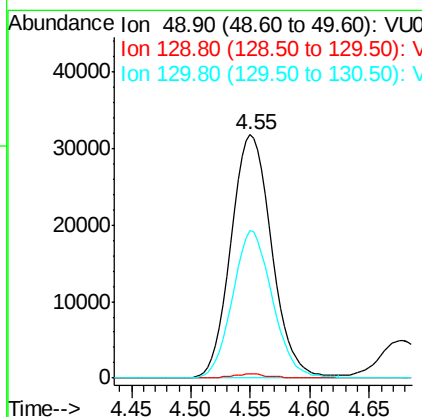
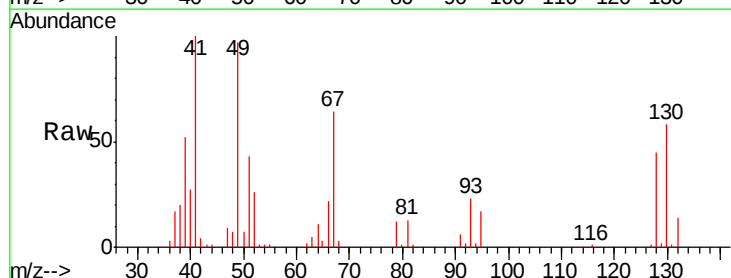
MMDadoda
10/16/2018 2:22:51 PM

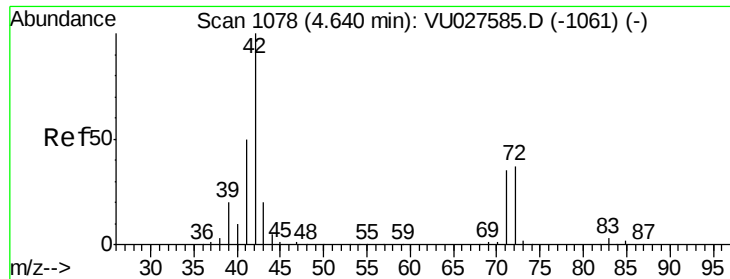


#28

Bromochloromethane
Concen: 50.59 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75665		
129	1.4	0.0	3.0	
130	59.4	46.1	69.1	





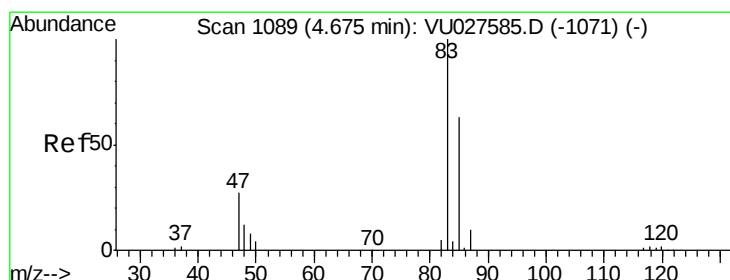
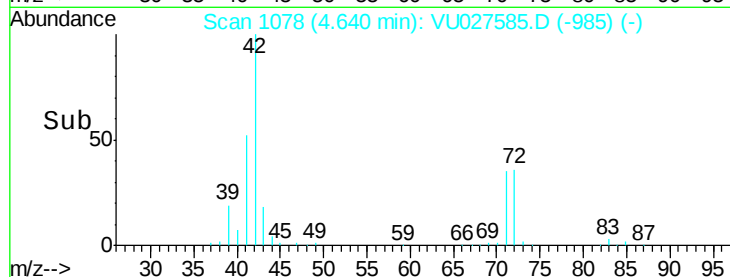
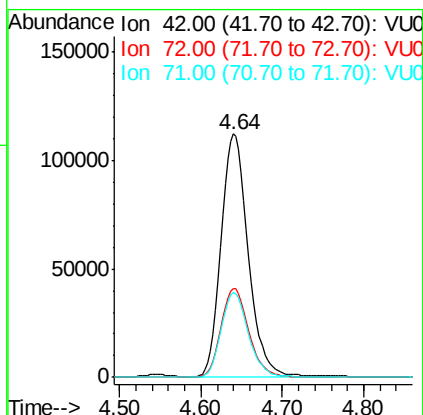
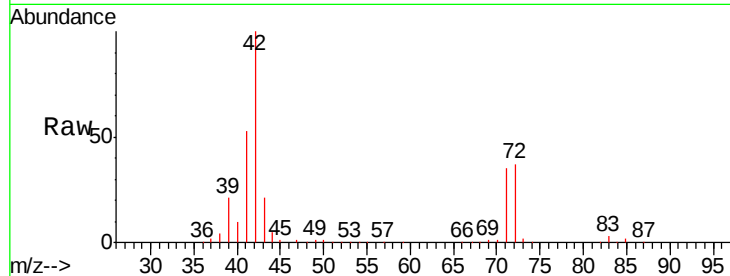
#29
Tetrahydrofuran
Concen: 263.35 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.1	45.1
71	35.3	27.7	41.5

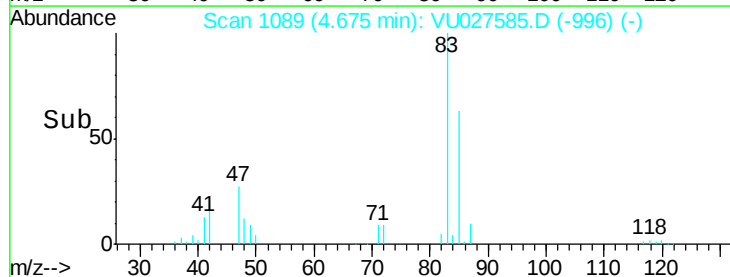
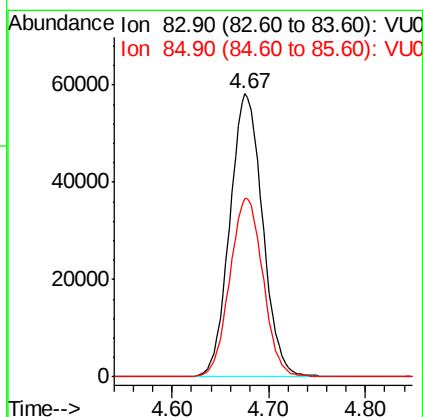
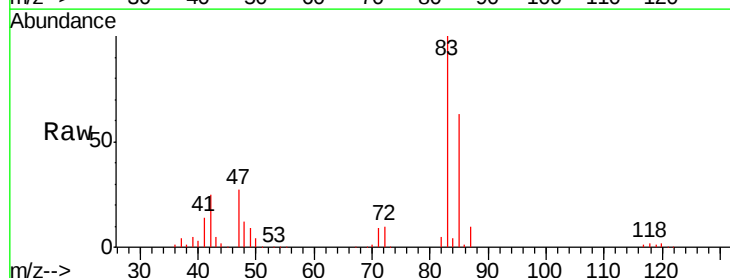
Manual Integrations
APPROVED

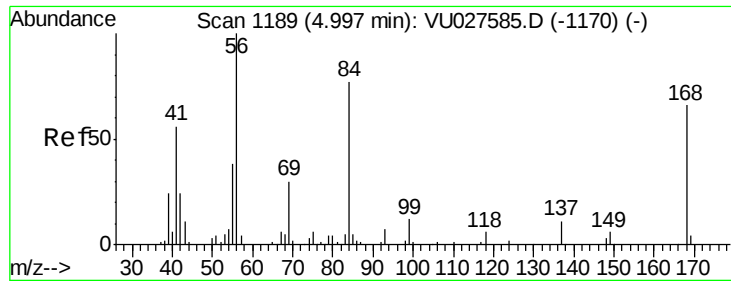
MMDadoda
10/16/2018 2:22:51 PM



#30
Chloroform
Concen: 49.74 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.6





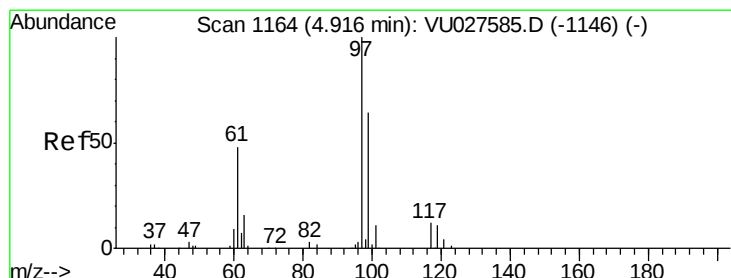
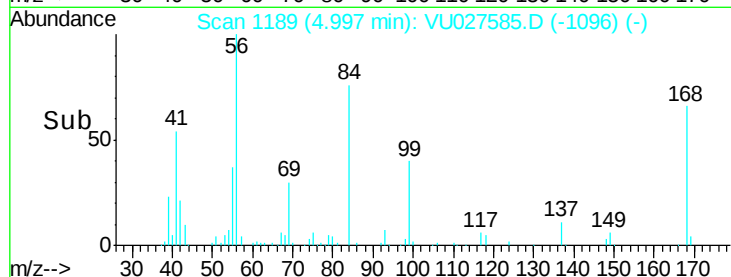
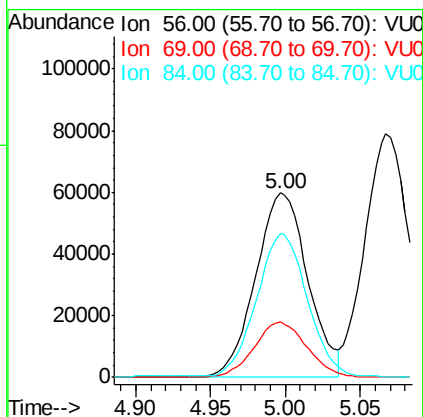
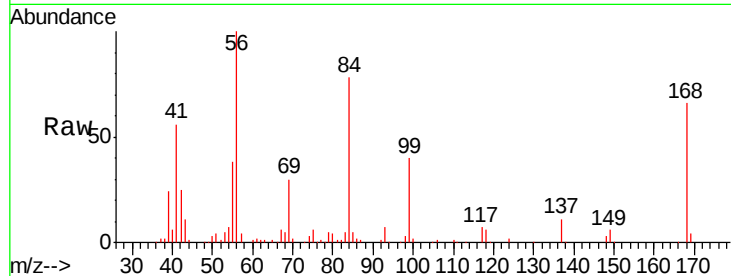
#31
Cyclohexane
Concen: 39.92 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.1	36.1
84	77.1	59.1	88.7

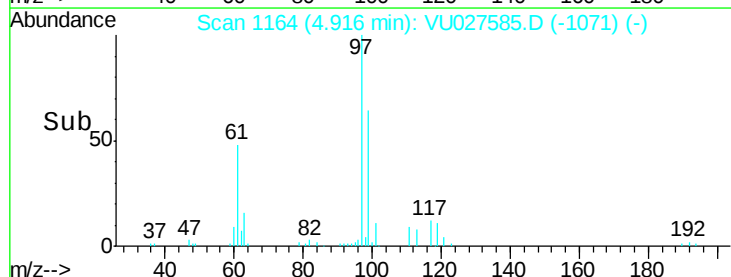
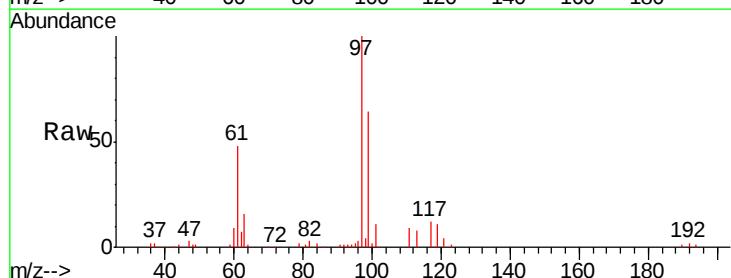
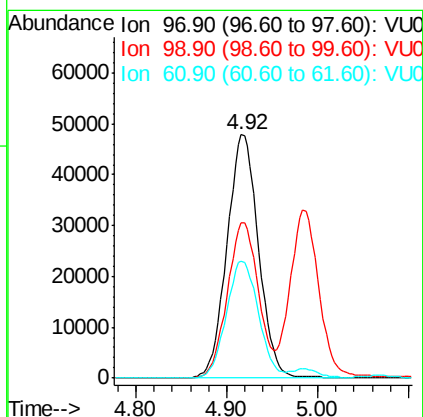
Manual Integrations
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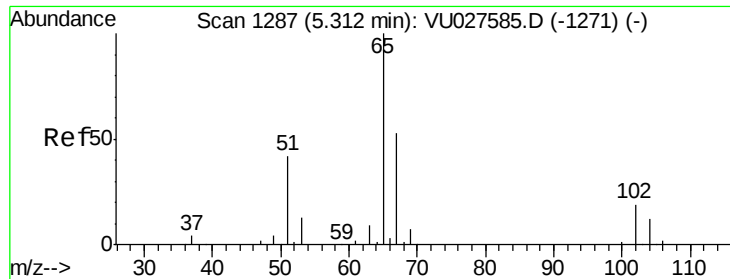
MMDadoda
10/16/2018 2:22:51 PM



#32
1,1,1-Trichloroethane
Concen: 49.64 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.1	76.7
61	49.0	39.6	59.4





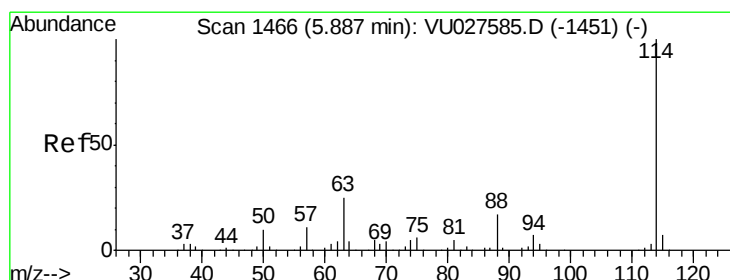
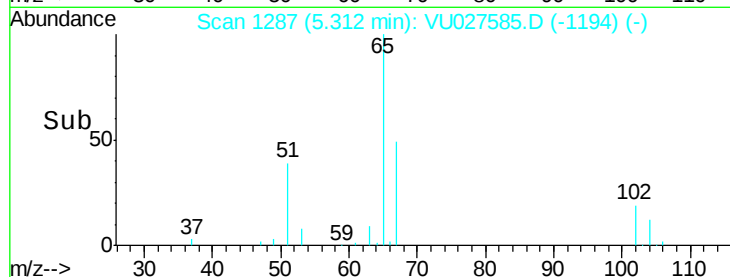
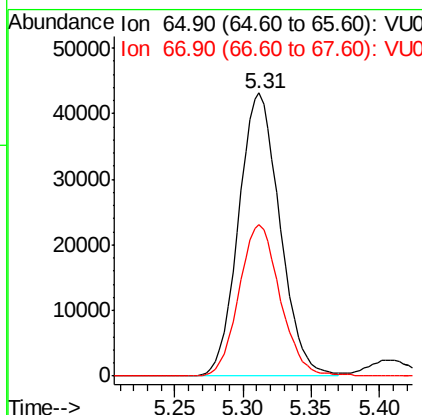
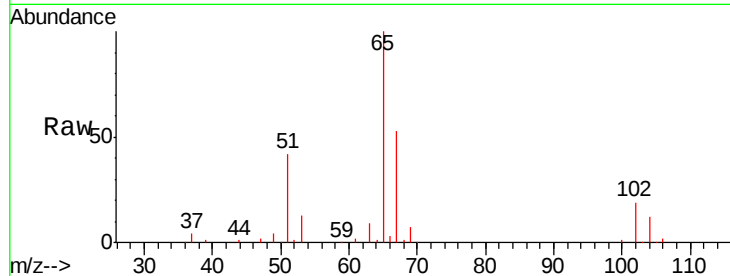
#33
 1,2-Dichloroethane-d4
 Concen: 45.92 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 65 Resp: 90696
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.8

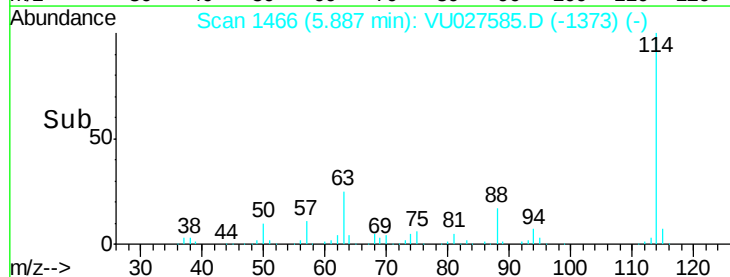
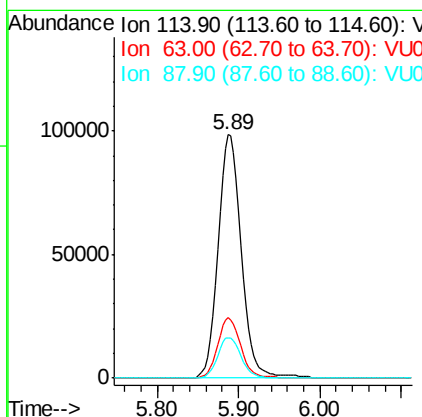
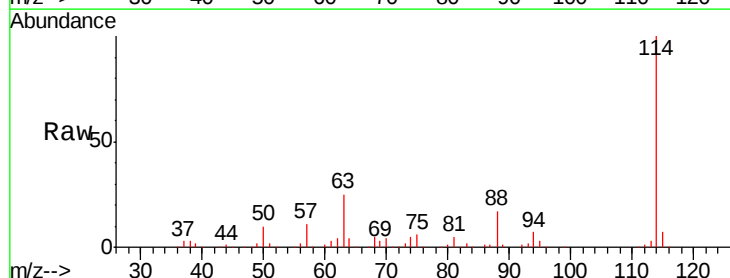
Manual Integrations
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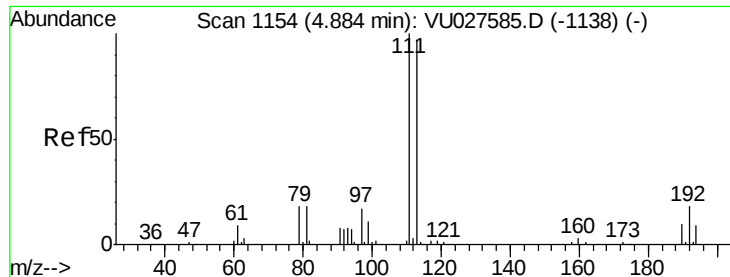
MMDadoda
 10/16/2018 2:22:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Tgt Ion: 114 Resp: 198781
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 50.2
 88 16.6 0.0 33.8





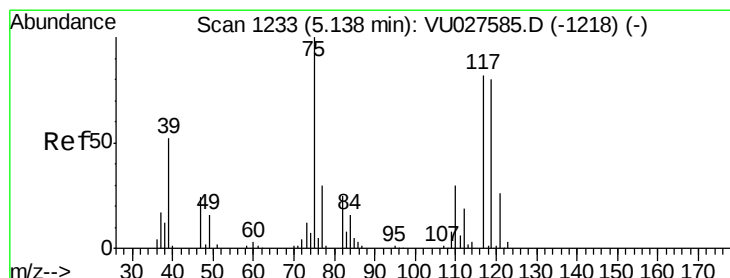
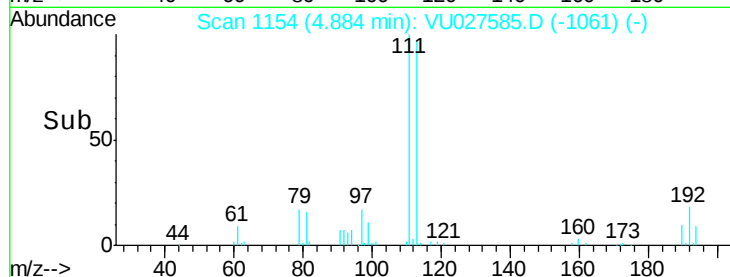
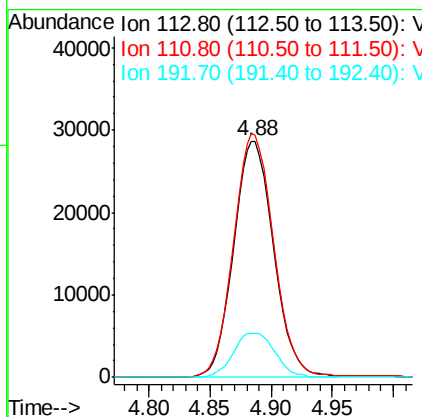
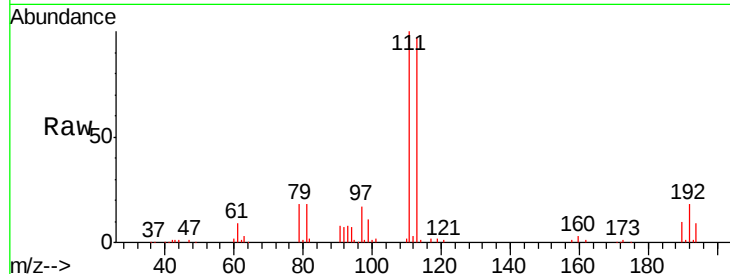
#35
 Dibromofluoromethane
 Concen: 47.78 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	65095		
111	103.5	83.1	124.7	
192	19.4	15.4	23.0	

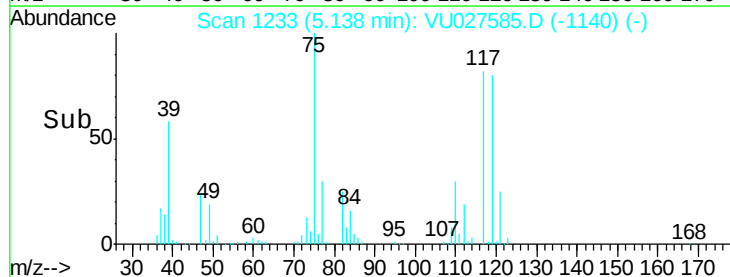
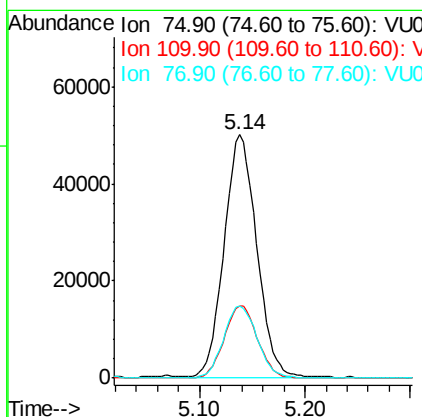
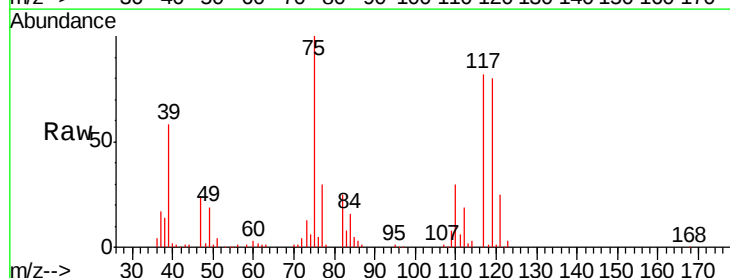
Manual Integrations
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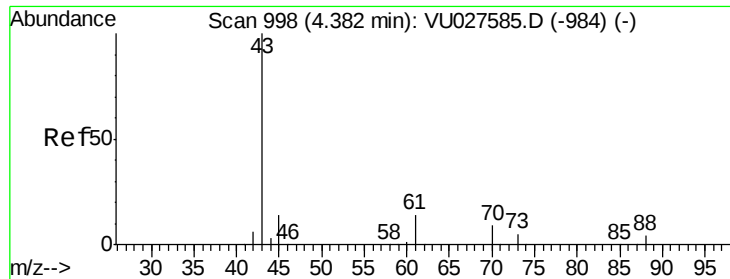
MMDadoda
 10/16/2018 2:22:51 PM



#36
 1,1-Dichloropropene
 Concen: 49.44 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106714		
110	30.7	15.5	46.5	
77	30.1	25.4	38.0	





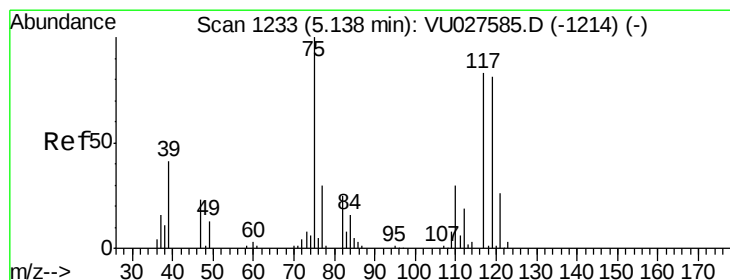
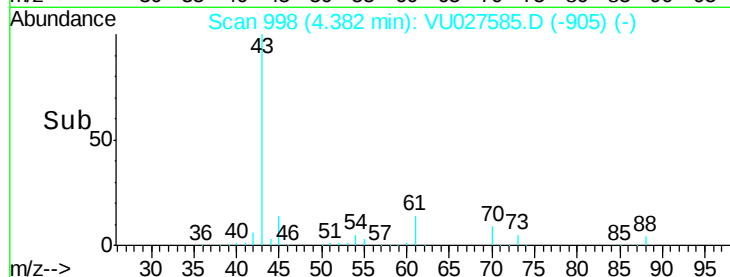
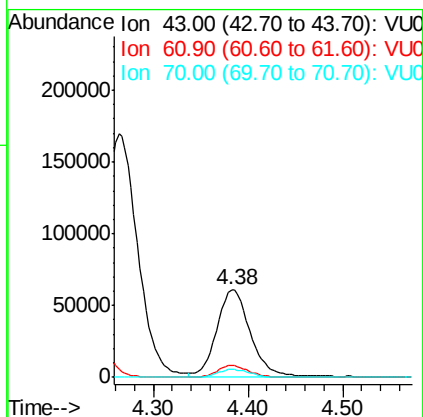
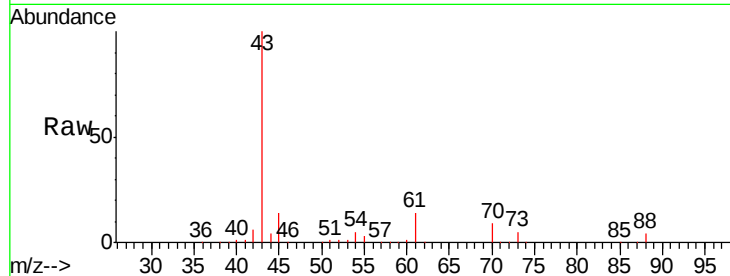
#37
Ethyl Acetate
Concen: 53.21 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 148417
Ion Ratio Lower Upper
43 100
61 13.2 10.7 16.1
70 8.7 7.4 11.2

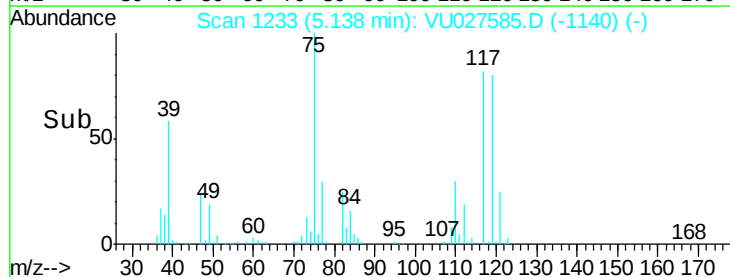
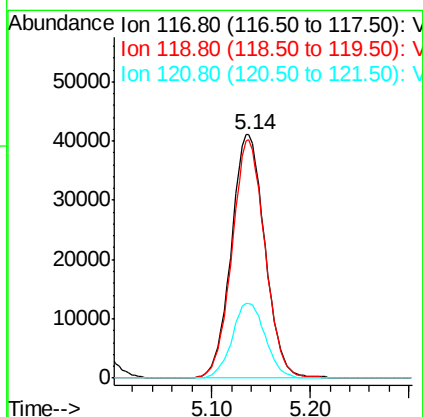
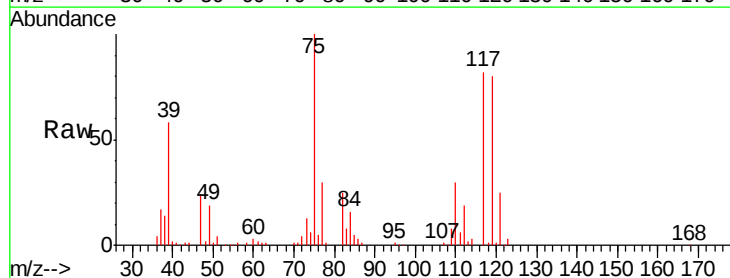
Manual Integrations
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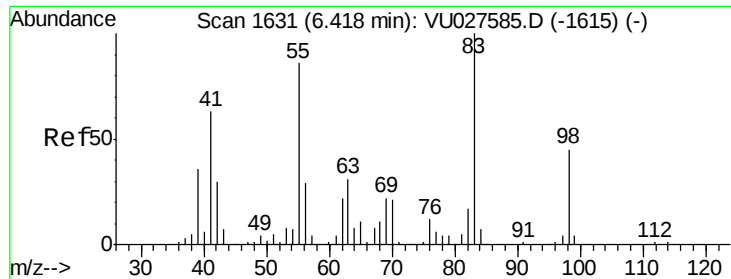
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.86 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion: 117 Resp: 97208
Ion Ratio Lower Upper
117 100
119 98.0 74.5 111.7
121 30.9 24.6 37.0





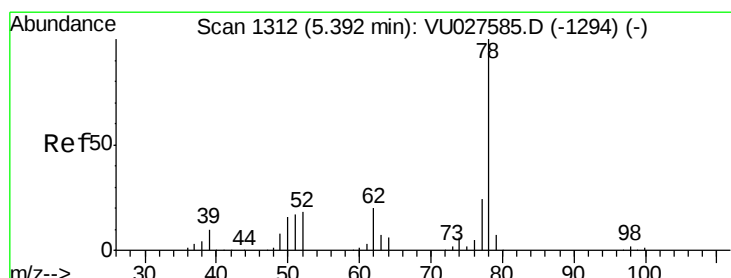
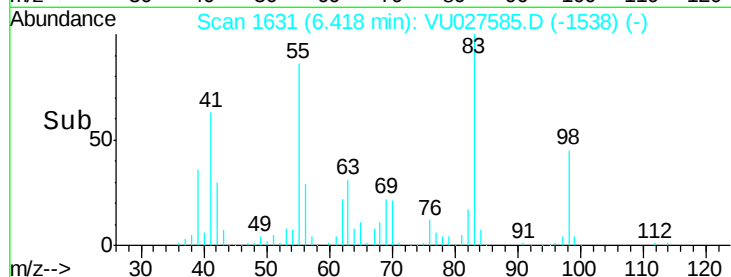
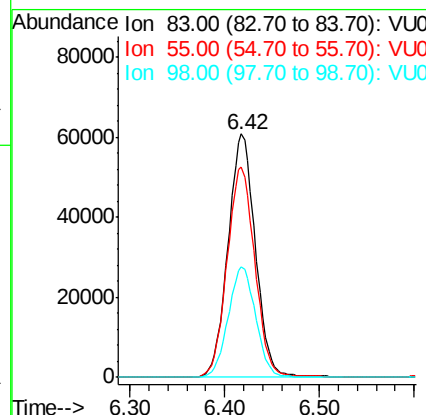
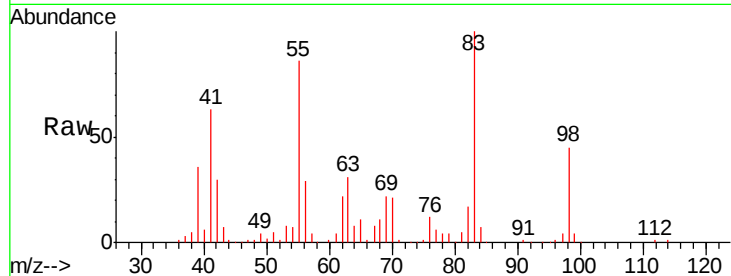
#39
Methylcyclohexane
Concen: 48.59 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	122594		
55	86.3	71.1	106.7	
98	45.4	36.3	54.5	

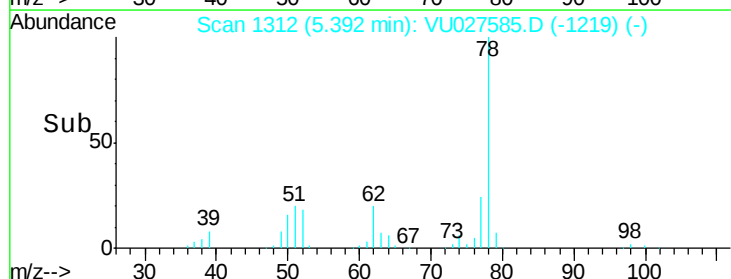
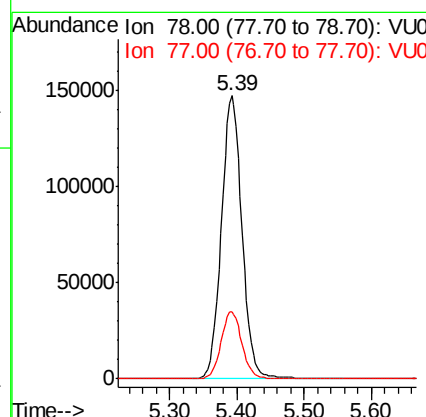
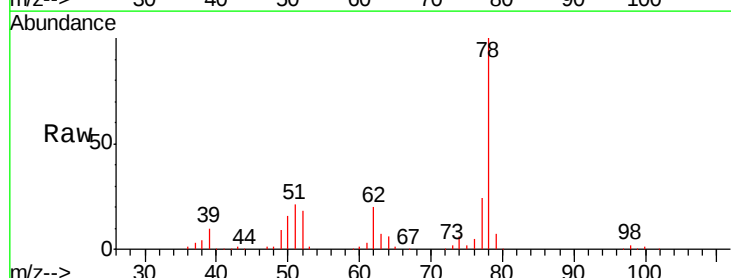
Manual Integrations
APPROVED

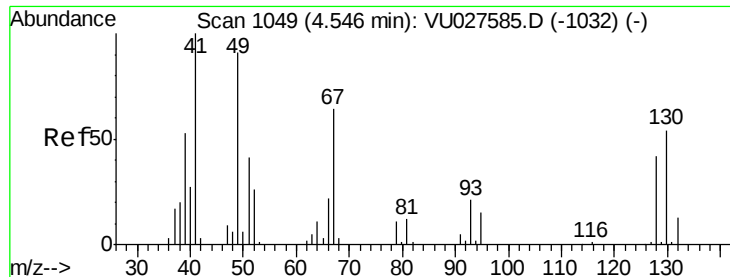
MMDadoda
10/16/2018 2:22:51 PM



#40
Benzene
Concen: 50.06 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	314735		
77	23.7	19.3	28.9	





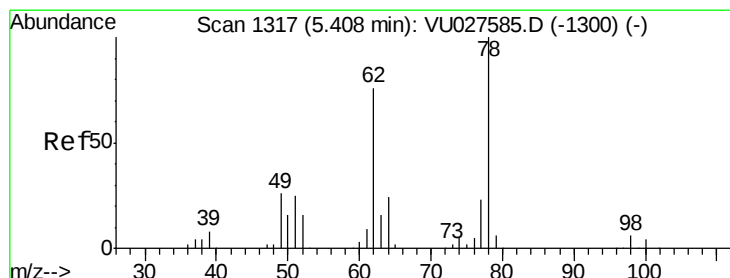
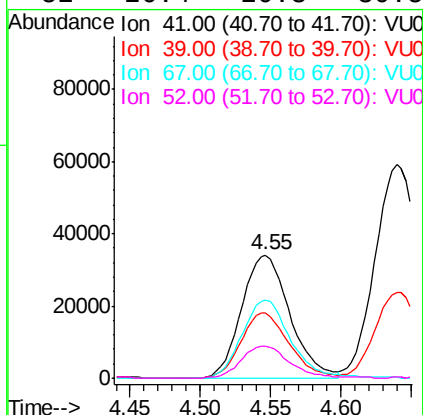
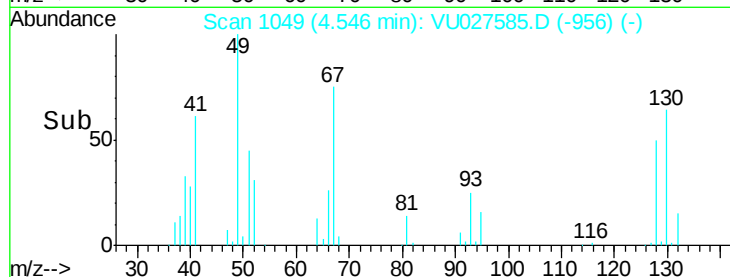
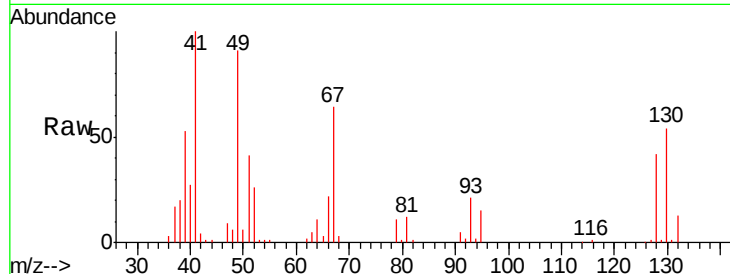
#41
Methacrylonitrile
Concen: 51.76 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	41.1	61.7	
67	63.7	50.4	75.6	
52	26.4	20.3	30.5	

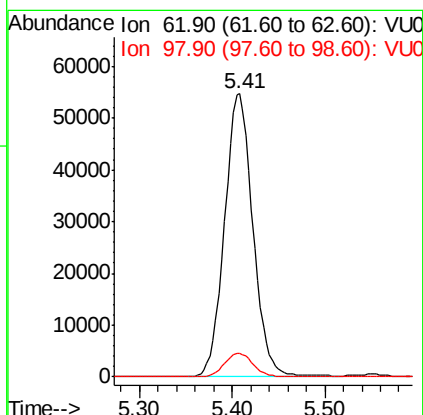
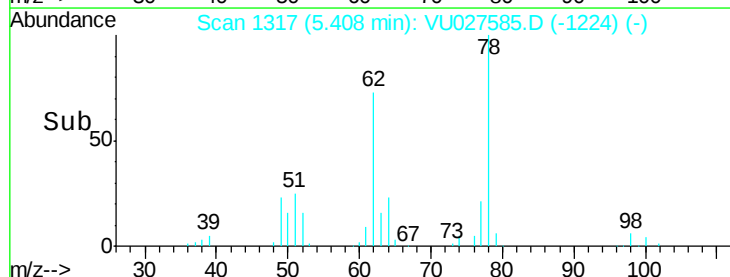
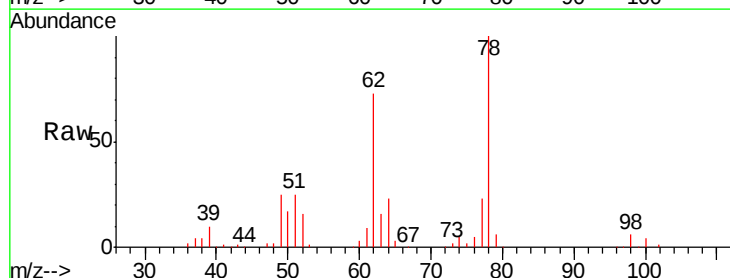
Manual Integrations
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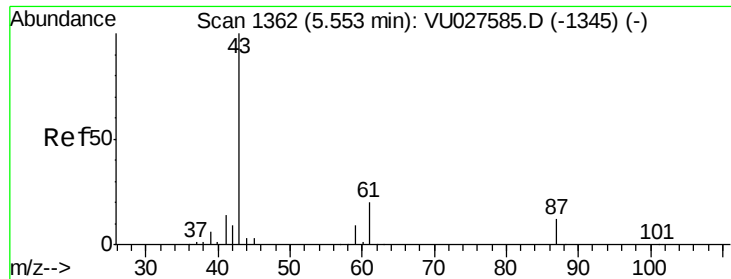
MMDadoda
10/16/2018 2:22:51 PM



#42
1,2-Dichloroethane
Concen: 49.78 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	16.8	





#43

Isopropyl Acetate

Concen: 51.82 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

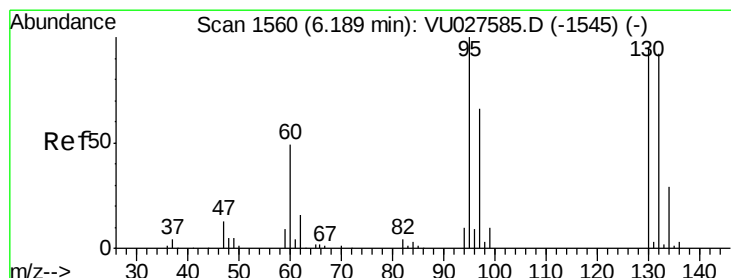
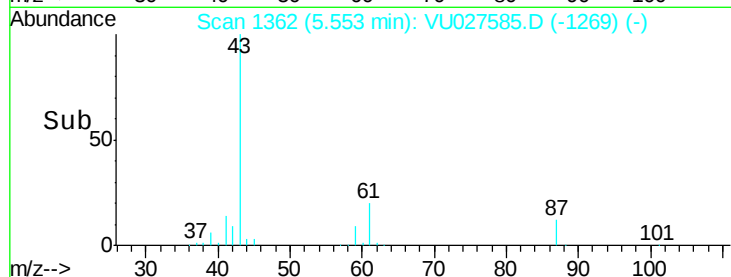
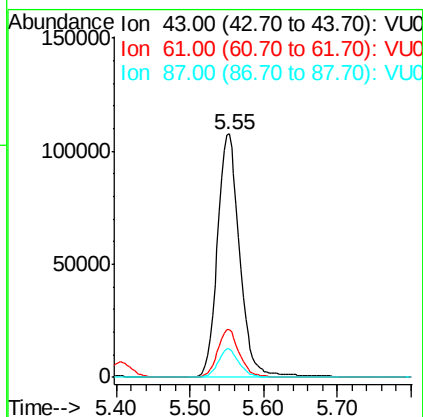
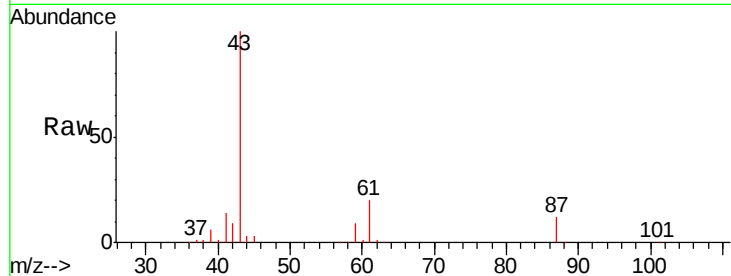
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	224486
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.3	22.9
87	11.1	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 49.90 ug/l

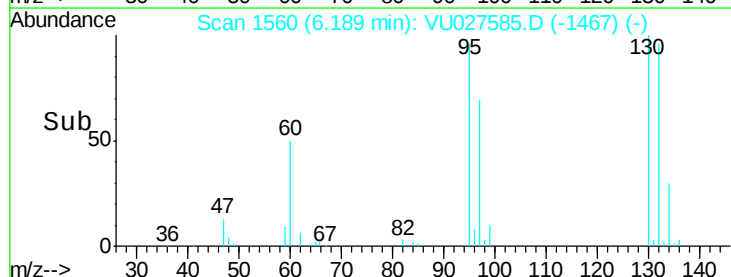
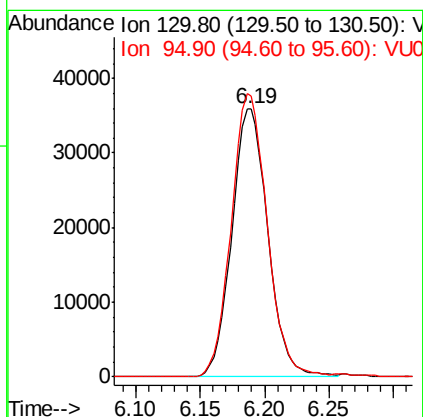
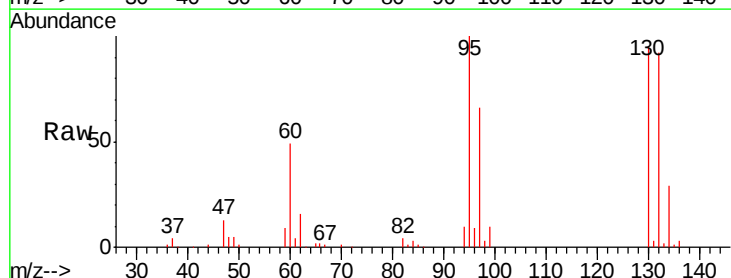
RT: 6.19 min Scan# 1560

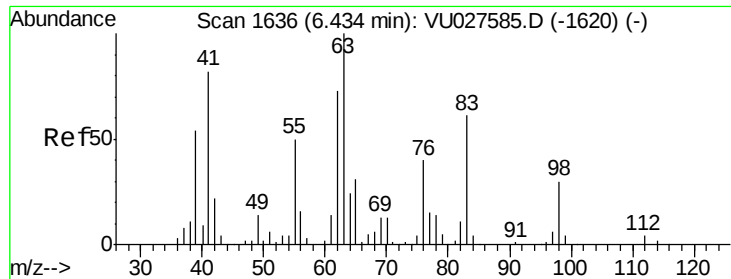
Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Tgt Ion:	130	Resp:	69959
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	207.0





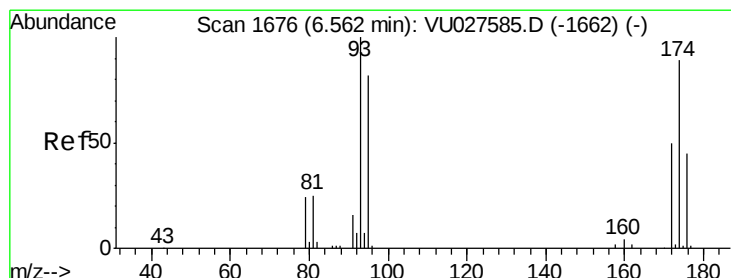
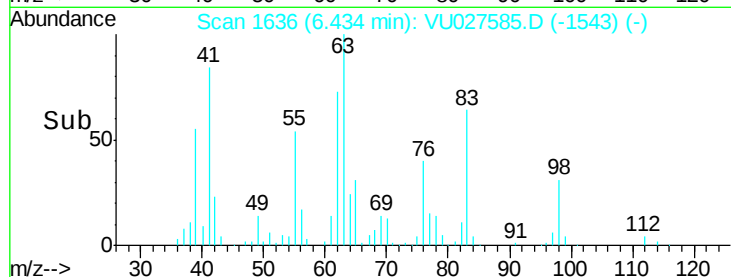
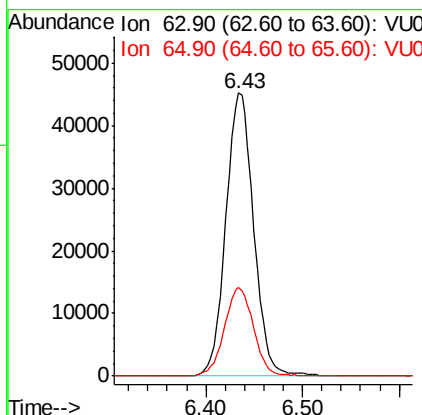
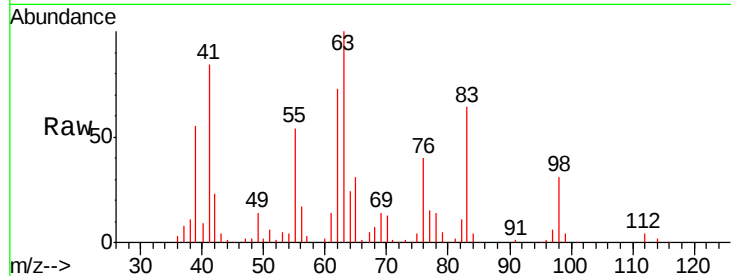
#45
1,2-Dichloropropane
Concen: 49.72 ug/l
RT: 6.43 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 90162
Ion Ratio Lower Upper
63 100
65 31.5 26.0 39.0

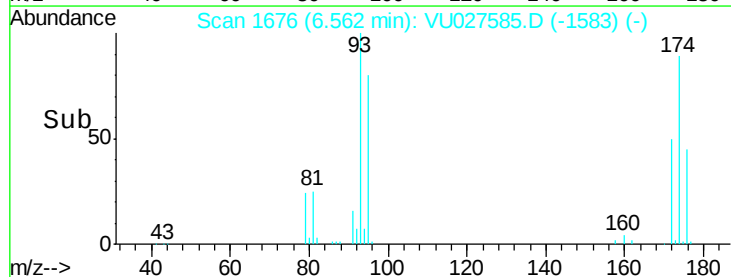
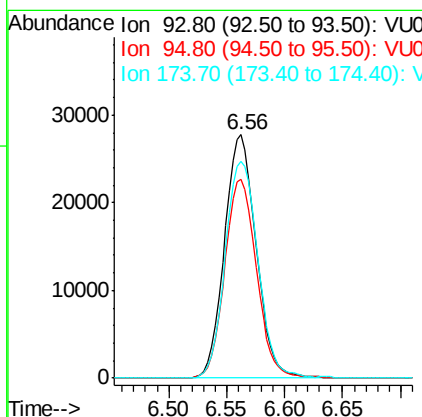
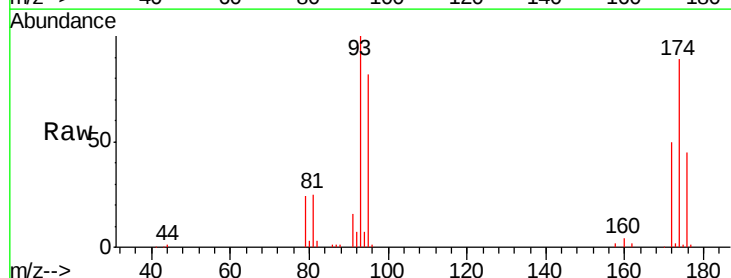
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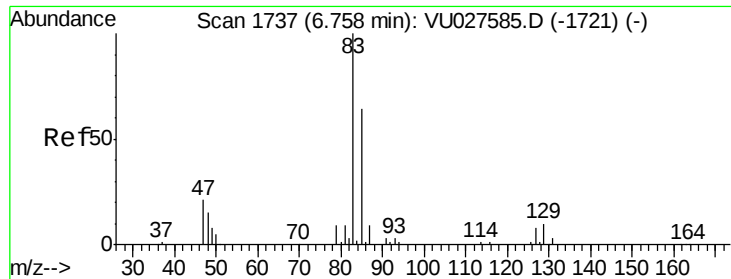
MMDadoda
10/16/2018 2:22:51 PM



#46
Dibromomethane
Concen: 51.40 ug/l
RT: 6.56 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion: 93 Resp: 52638
Ion Ratio Lower Upper
93 100
95 81.9 66.5 99.7
174 92.4 72.5 108.7





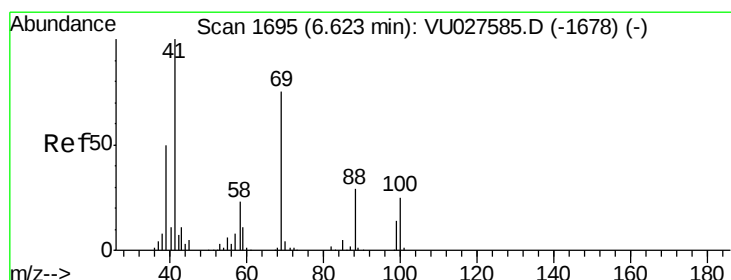
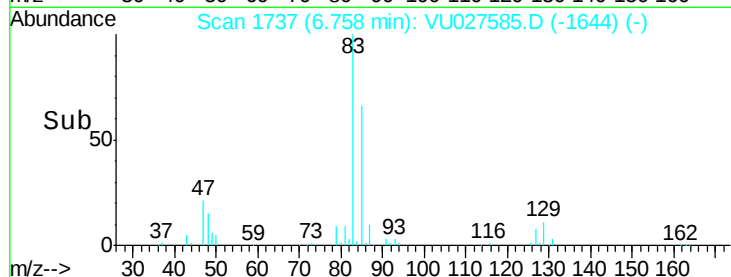
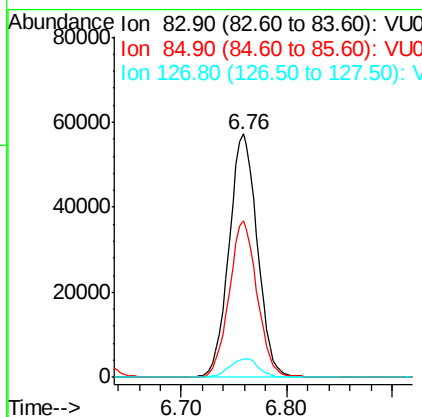
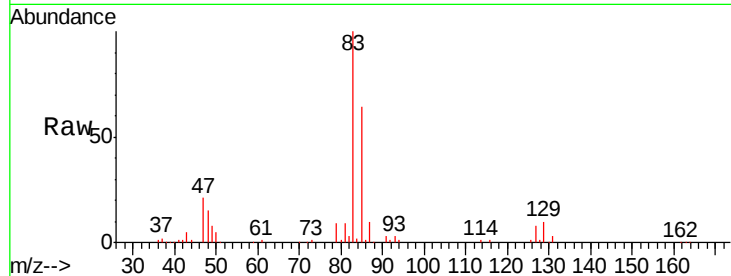
#47
Bromodichloromethane
Concen: 49.88 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.0
127	7.5	6.3	9.5

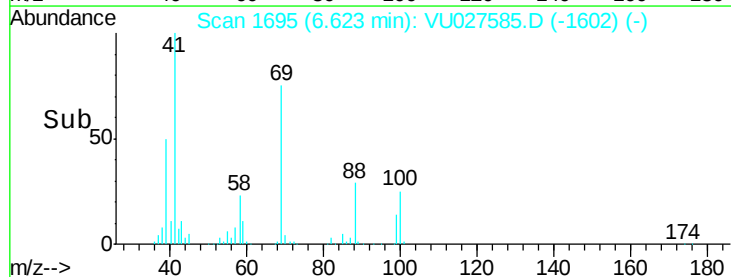
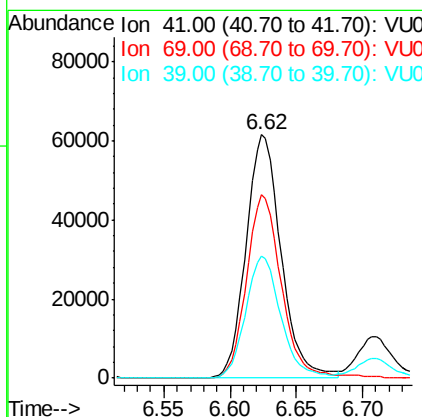
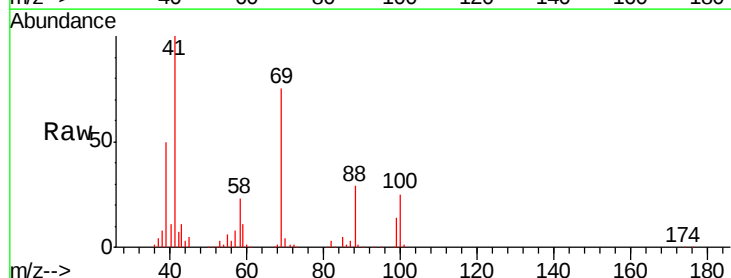
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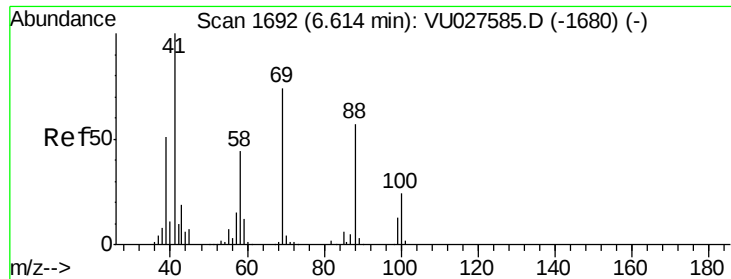
MMDadoda
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#48
Methyl methacrylate
Concen: 52.24 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.0	61.0	91.4
39	50.6	39.9	59.9





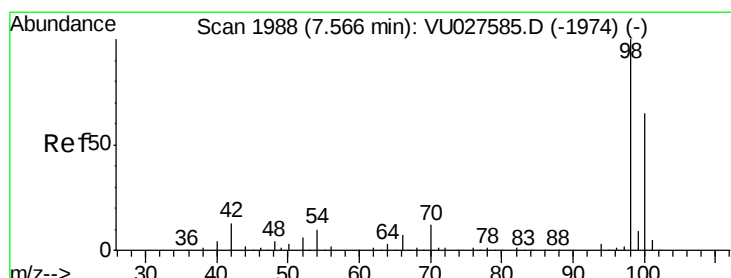
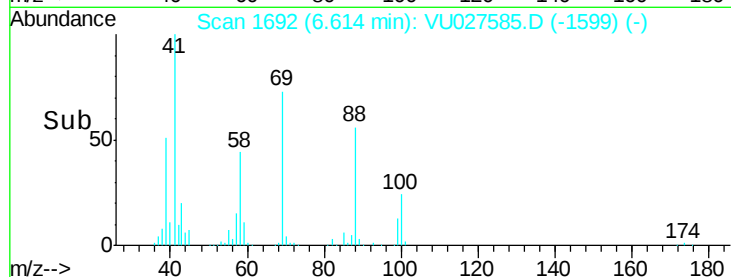
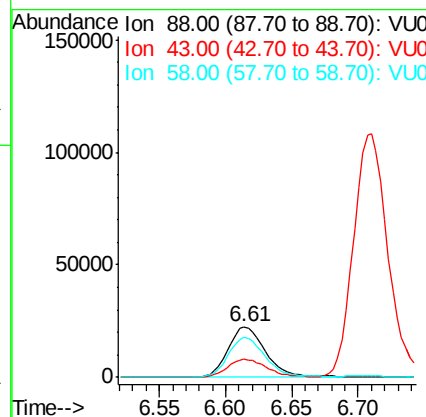
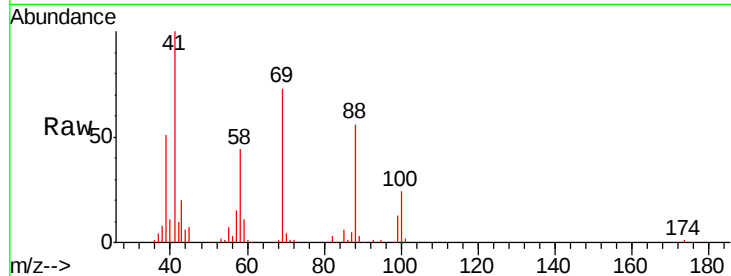
#49
1,4-Dioxane
Concen: 1201.59 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 44540
Ion Ratio Lower Upper
88 100
43 37.2 30.8 46.2
58 78.5 67.0 100.6

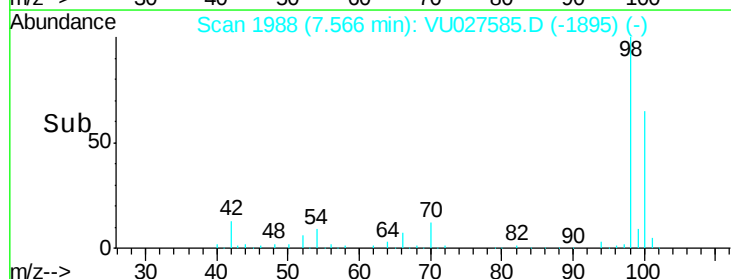
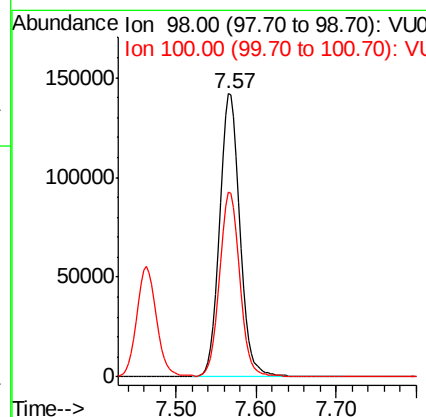
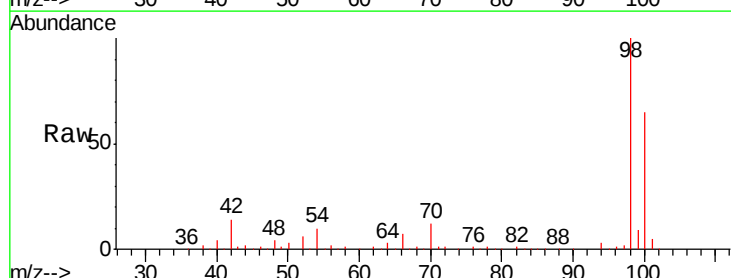
Manual Integrations
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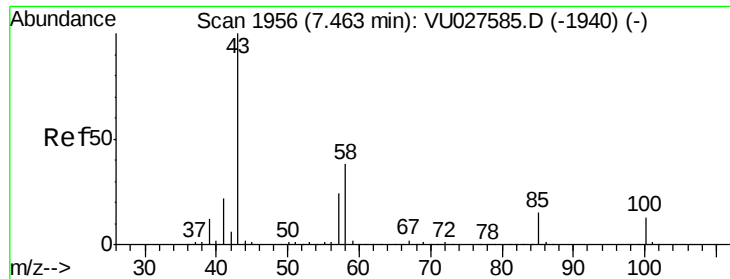
MMDadoda
10/16/2018 2:22:51 PM



#50
Toluene-d8
Concen: 49.38 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion: 98 Resp: 251798
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 267.42 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 752819

Ion Ratio Lower Upper

43 100

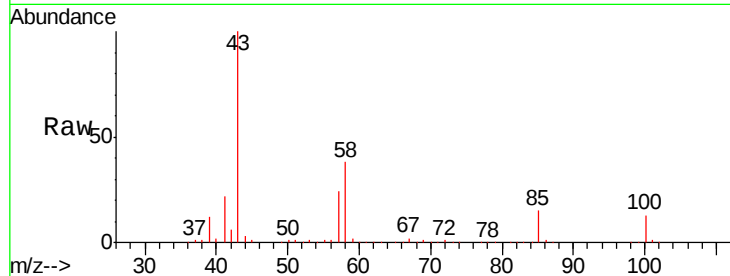
58 37.6 29.8 44.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

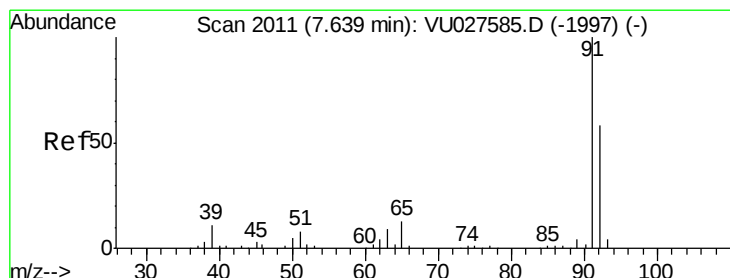
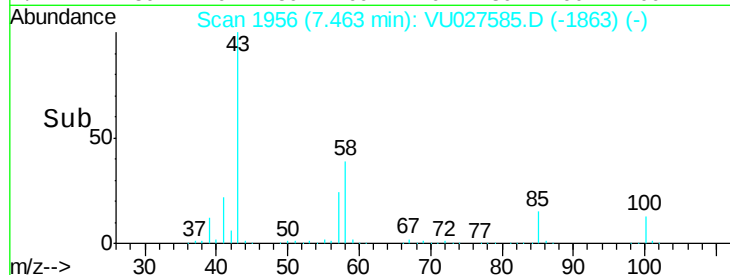
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.47 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027585.D

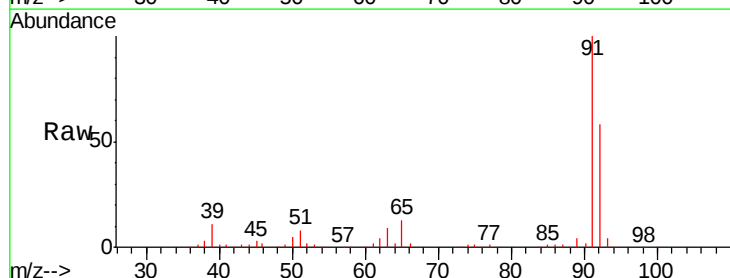
Acq: 11 Oct 2018 09:31

Tgt Ion: 92 Resp: 187816

Ion Ratio Lower Upper

92 100

91 171.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

200000

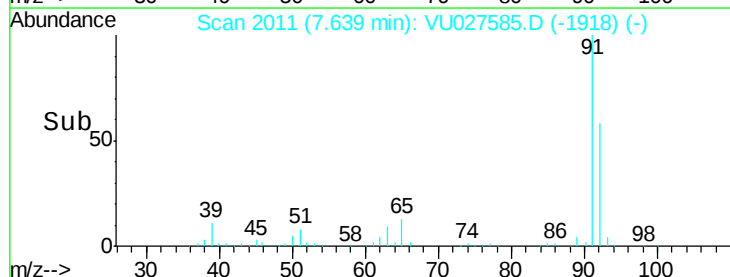
150000

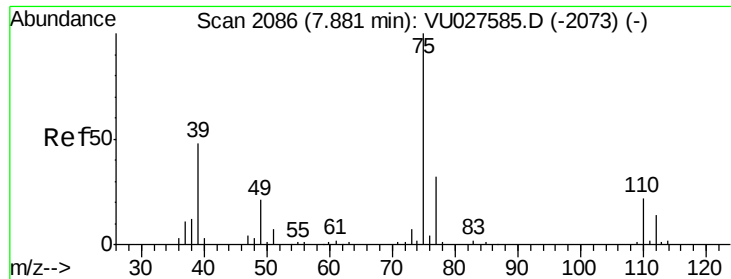
100000

50000

0

Time-->





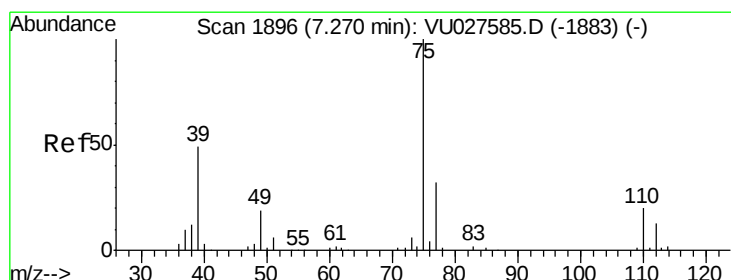
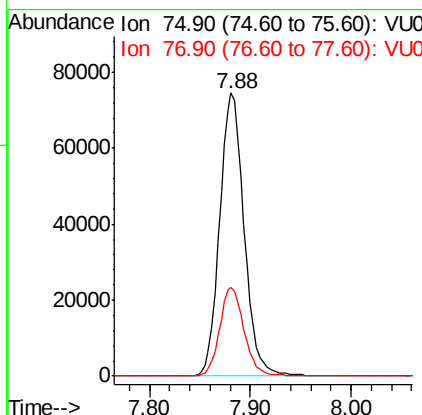
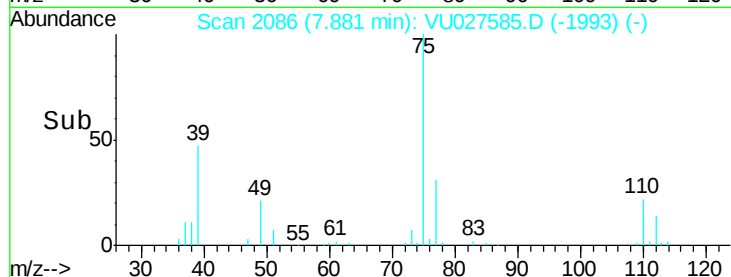
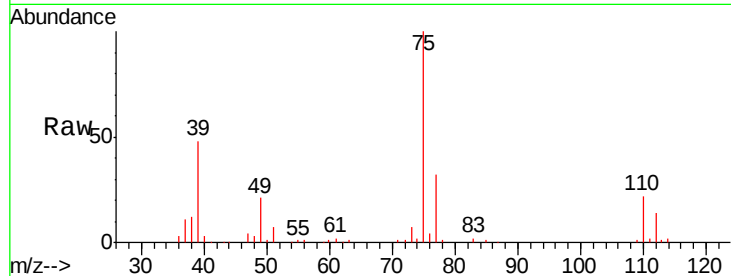
#53
 t-1,3-Dichloropropene
 Concen: 50.68 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 75 Resp: 126272
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.6

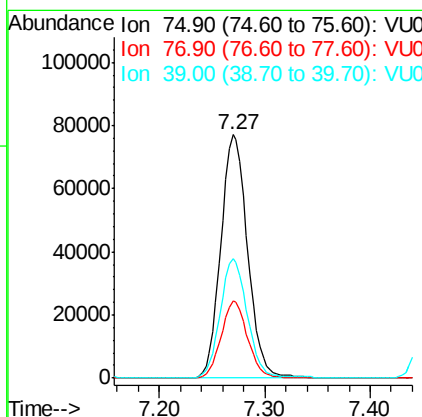
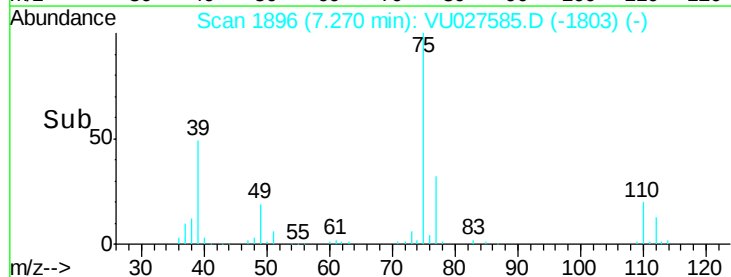
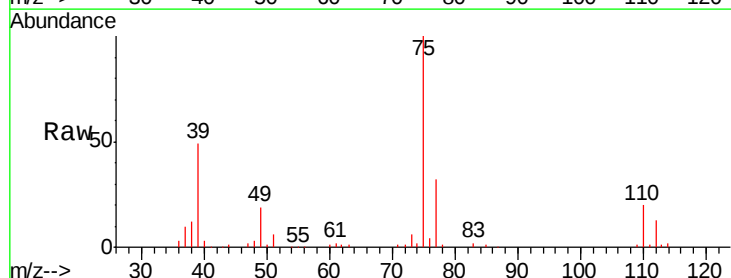
Manual Integrations
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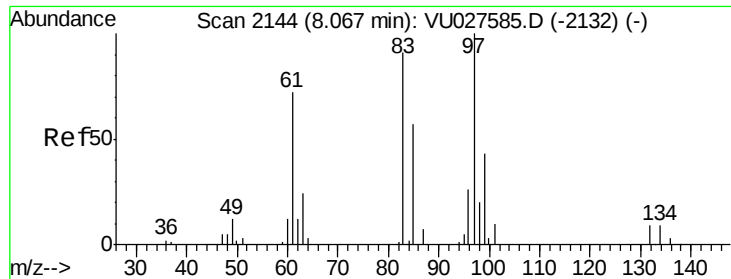
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 50.61 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Tgt Ion: 75 Resp: 135554
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.5 36.7
 39 49.1 40.1 60.1





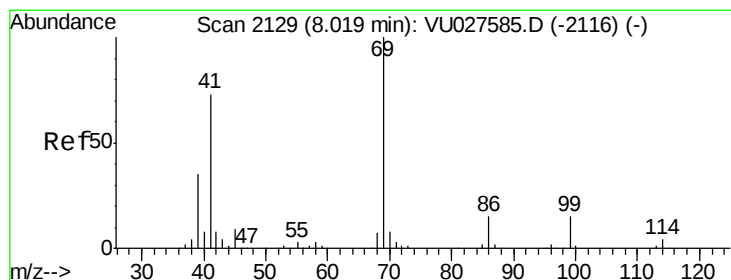
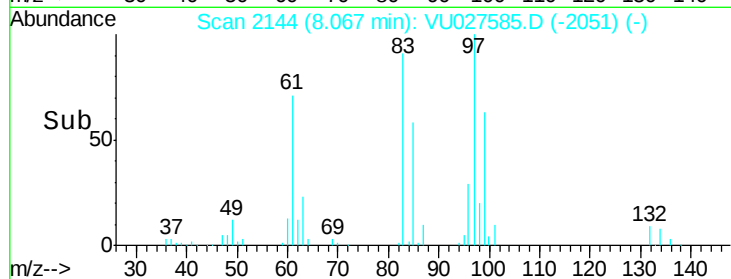
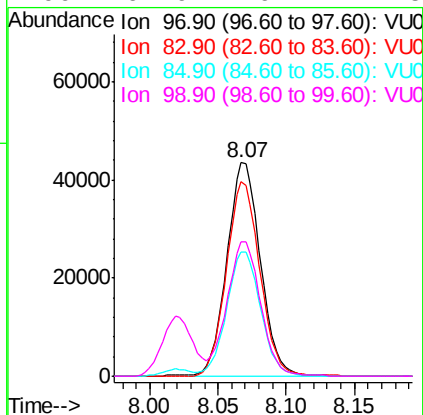
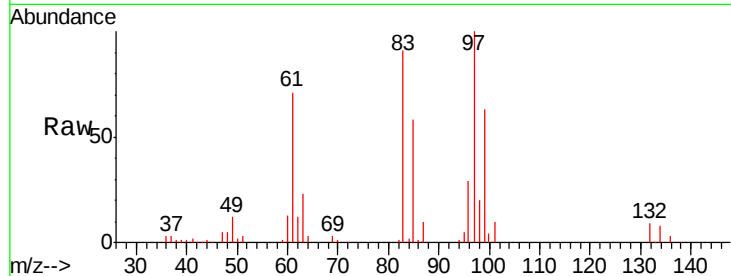
#55
 1,1,2-Trichloroethane
 Concen: 50.42 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.0	73.0	109.6
85	58.4	47.3	70.9
99	62.9	49.7	74.5

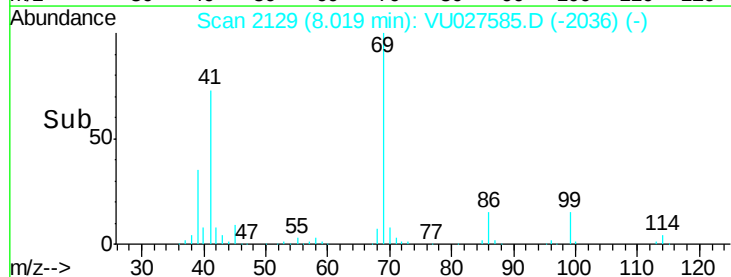
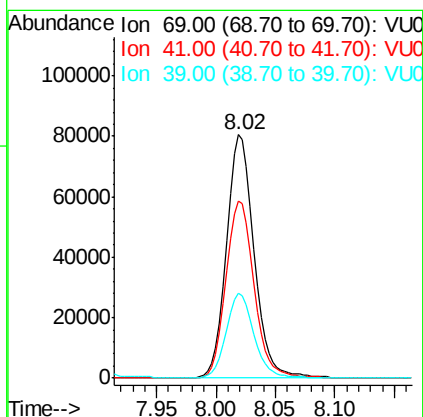
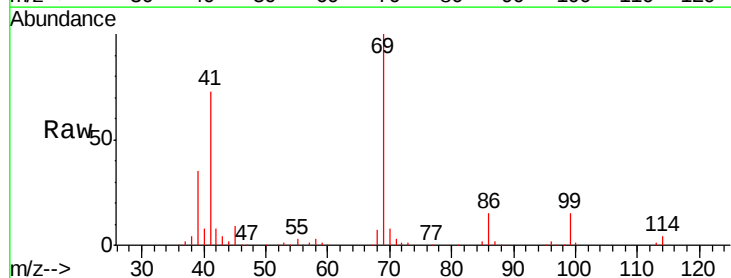
Manual Integrations
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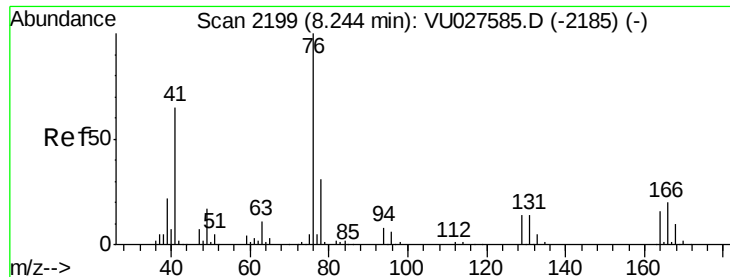
MMDadoda
 10/16/2018 2:22:51 PM



#56
 Ethyl methacrylate
 Concen: 52.99 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.8	60.0	90.0
39	35.4	29.5	44.3





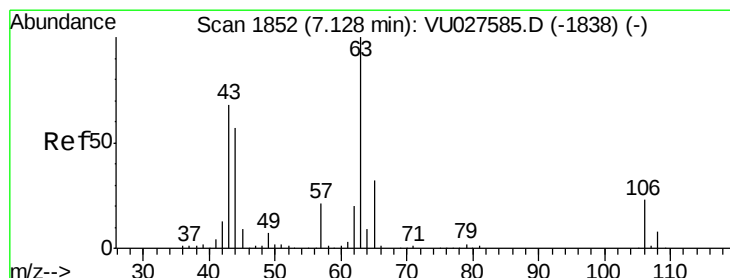
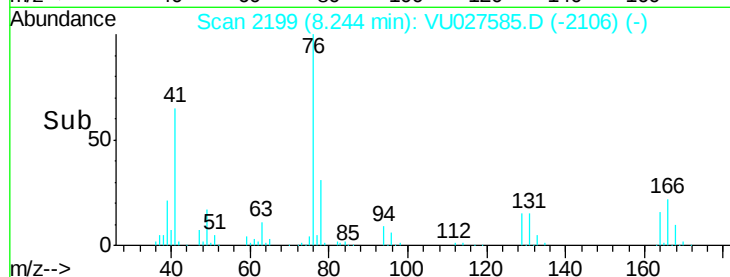
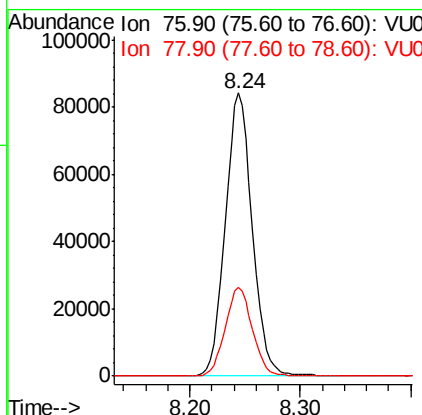
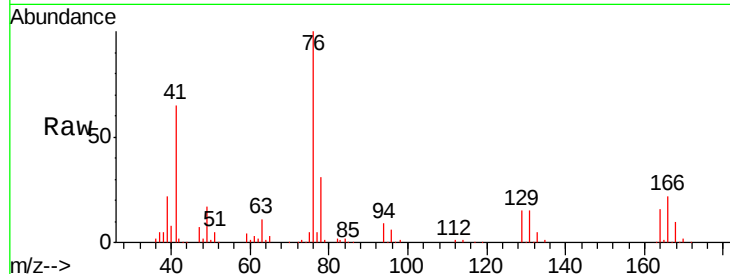
#57
 1,3-Dichloropropane
 Concen: 49.62 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 76 Resp: 142130
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

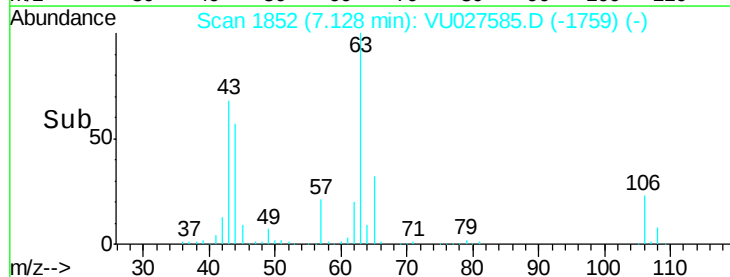
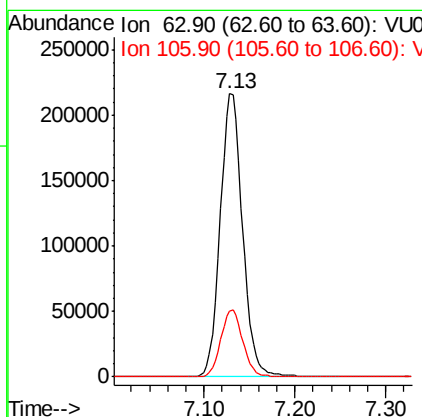
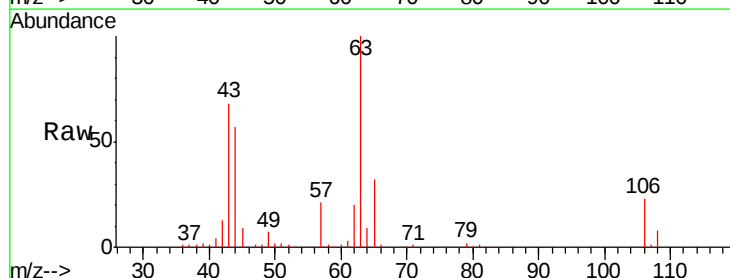
Manual Integrations
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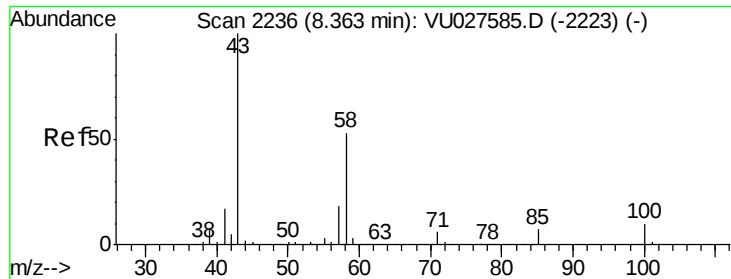
MMDadoda
 10/16/2018 2:22:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.88 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Tgt Ion: 63 Resp: 369155
 Ion Ratio Lower Upper
 63 100
 106 23.5 18.5 27.7





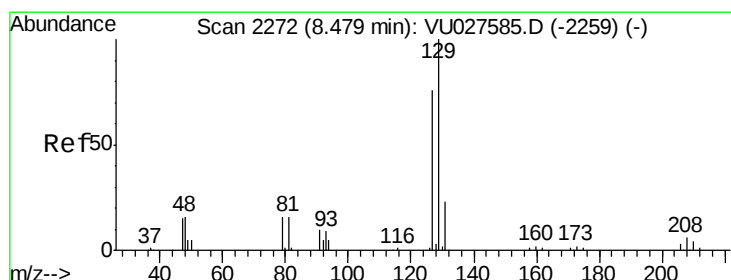
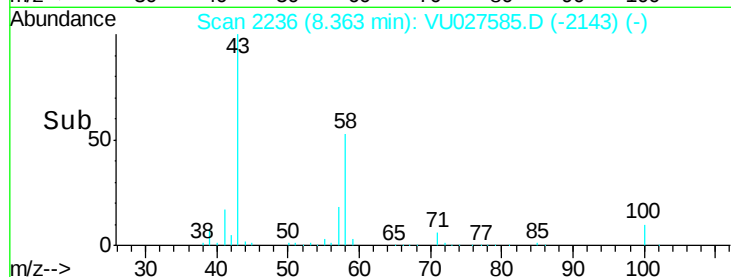
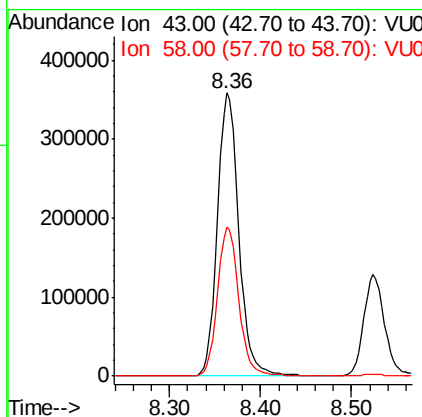
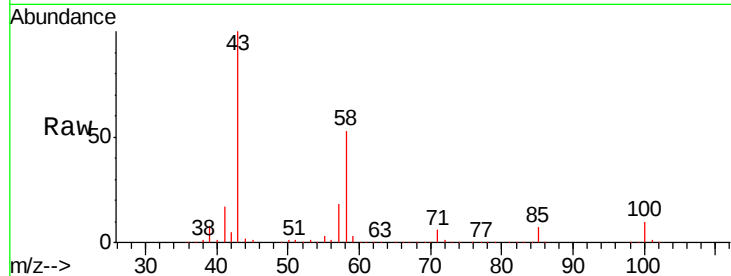
#59
2-Hexanone
Concen: 269.05 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 587548
Ion Ratio Lower Upper
43 100
58 52.5 26.1 78.3

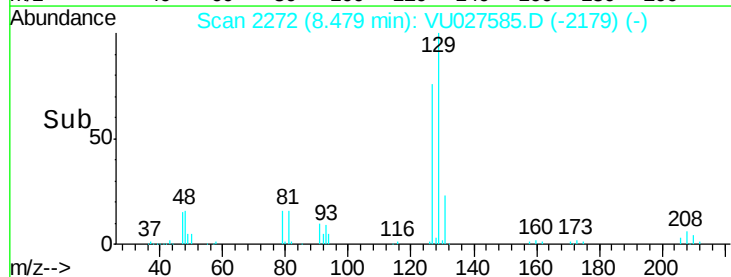
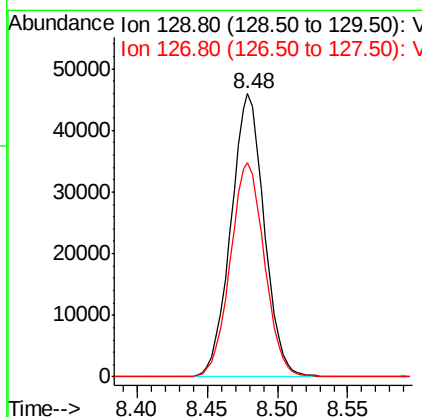
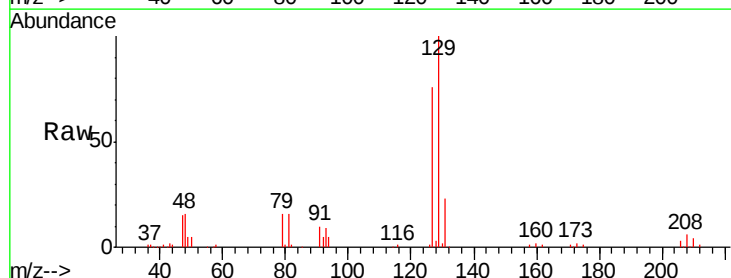
Manual Integrations
APPROVED

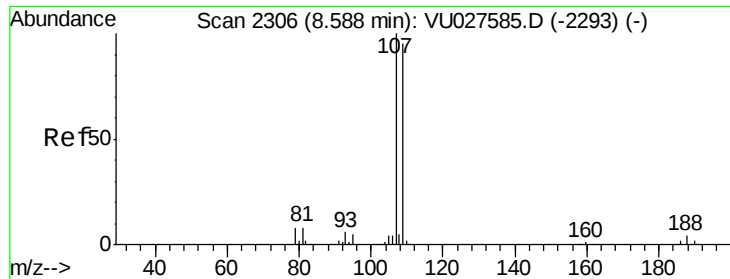
MMDadoda
10/16/2018 2:22:51 PM



#60
Dibromochloromethane
Concen: 51.35 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion: 129 Resp: 75979
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2





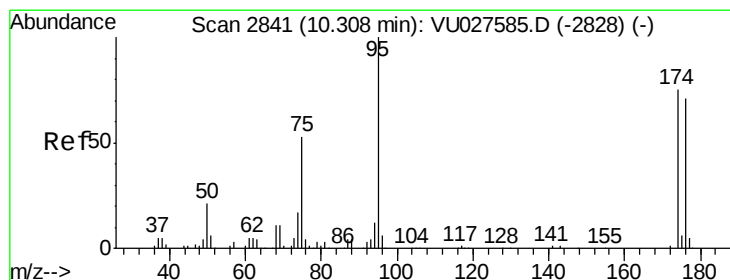
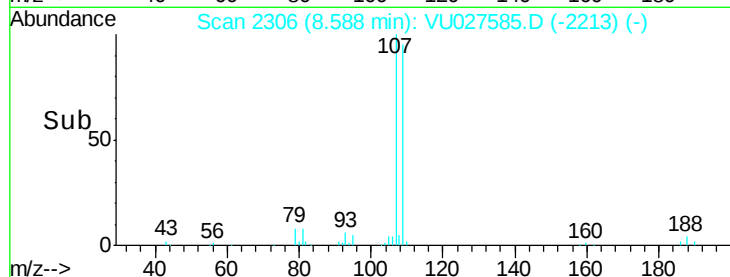
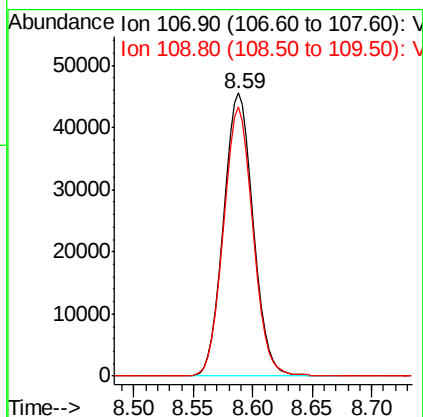
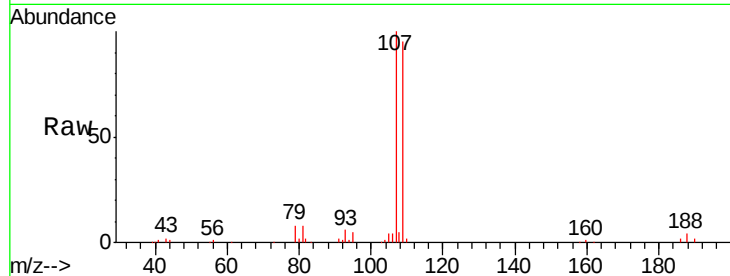
#61
1,2-Dibromoethane
Concen: 50.19 ug/l
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 107 Resp: 78724
Ion Ratio Lower Upper
107 100
109 94.6 74.5 111.7

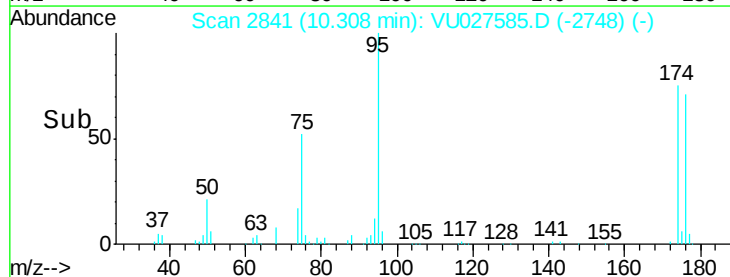
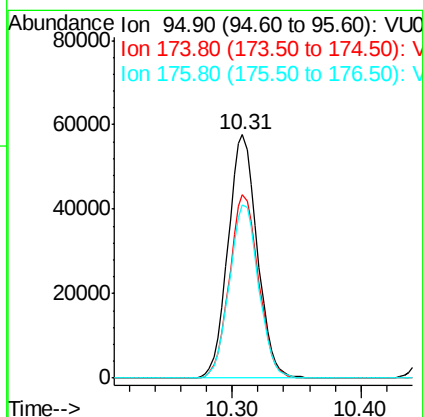
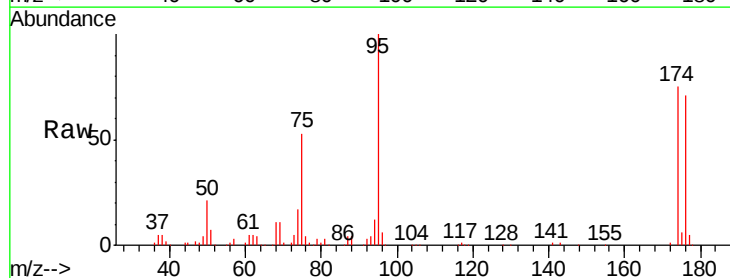
Manual Integrations
APPROVED

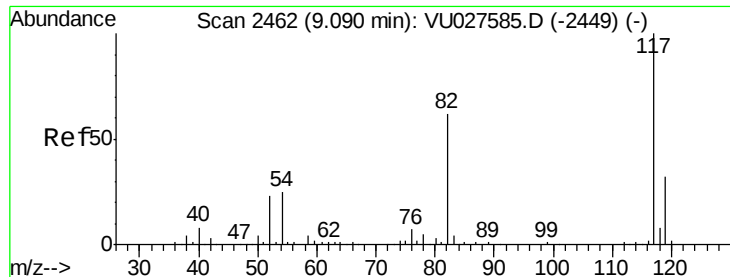
MMDadoda
10/16/2018 2:22:51 PM



#62
4-Bromofluorobenzene
Concen: 47.63 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion: 95 Resp: 90248
Ion Ratio Lower Upper
95 100
174 75.5 0.0 147.8
176 71.9 0.0 140.8





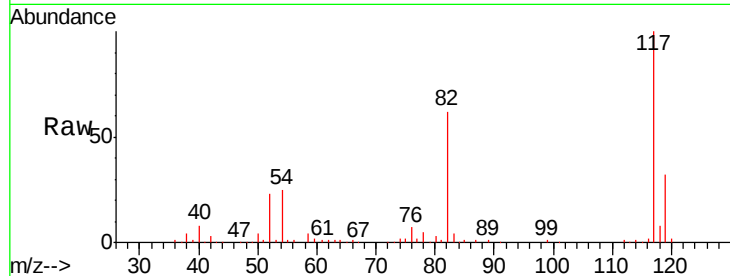
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	183931		
82	61.6	49.2	73.8	
119	31.5	25.7	38.5	

Manual Integrations
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MMDadoda
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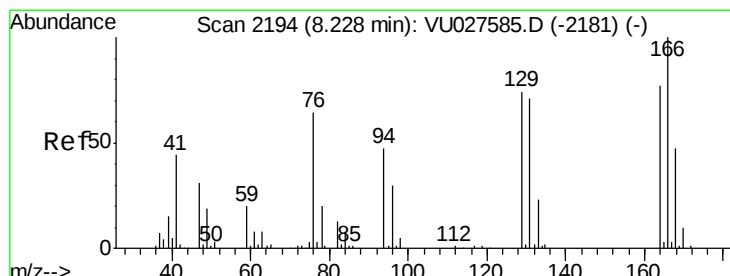
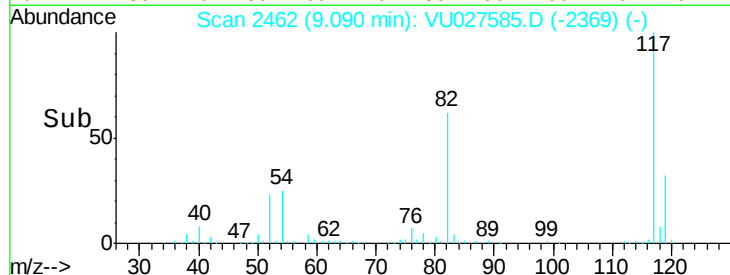
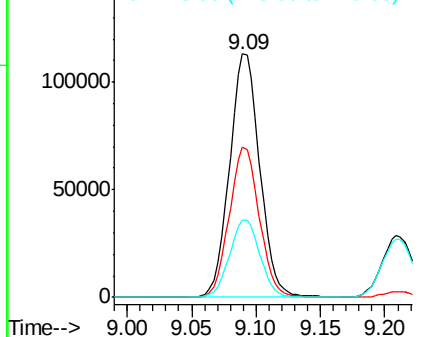


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.31 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58751		
166	129.2	101.0	151.6	
129	96.1	78.0	117.0	
131	91.4	72.6	109.0	

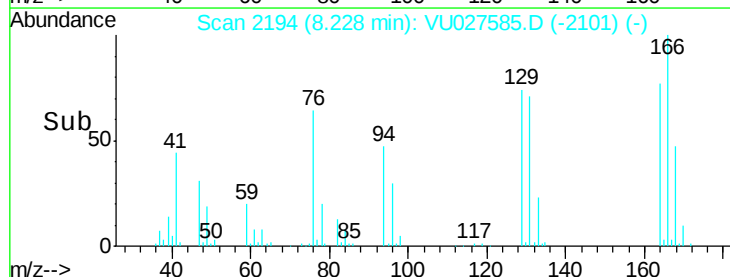
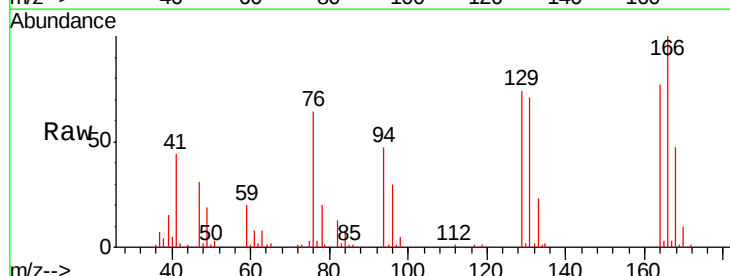
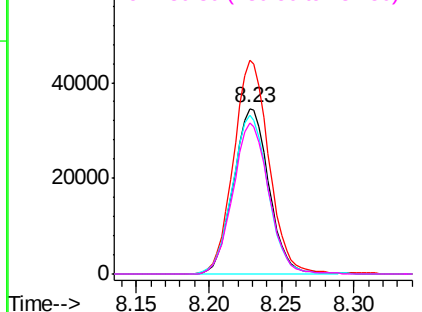
Abundance

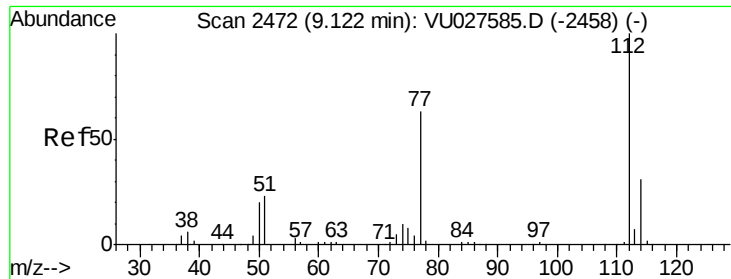
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





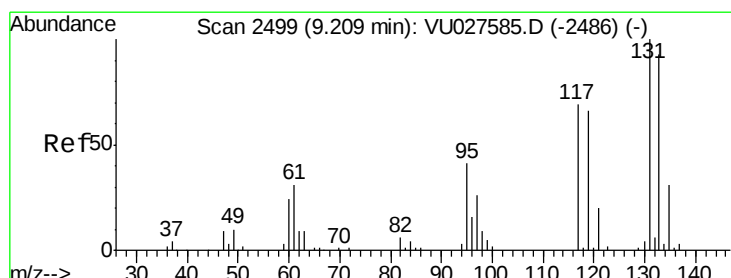
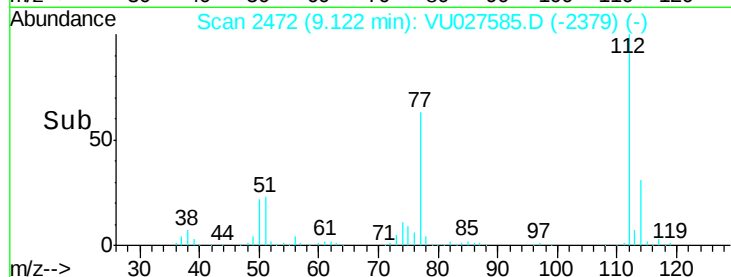
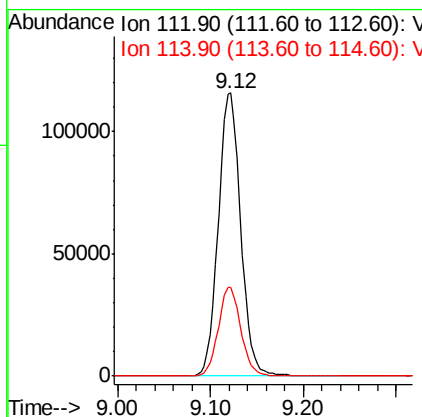
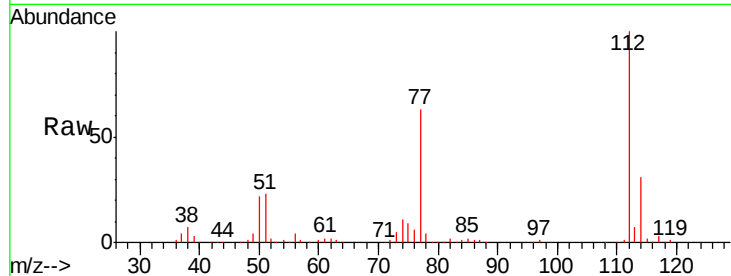
#65
Chlorobenzene
Concen: 50.11 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 194014
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6

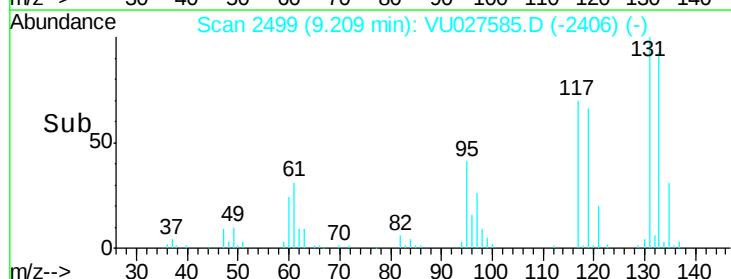
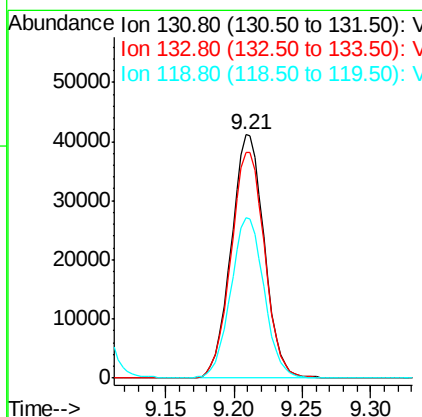
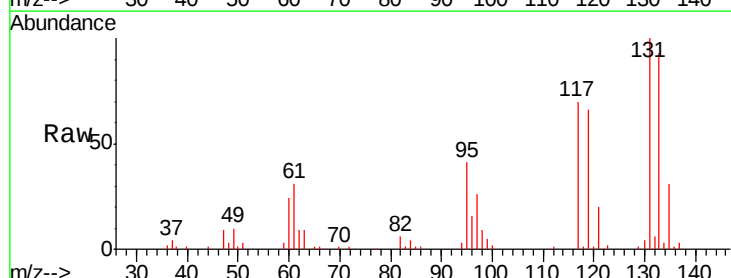
Manual Integrations
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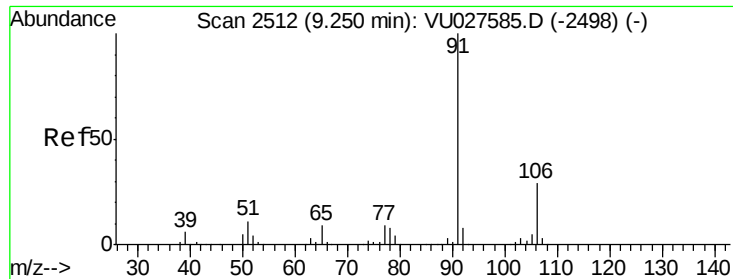
MMDadoda
10/16/2018 2:22:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.70 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion:131 Resp: 69099
Ion Ratio Lower Upper
131 100
133 94.6 48.5 145.6
119 66.5 33.5 100.4





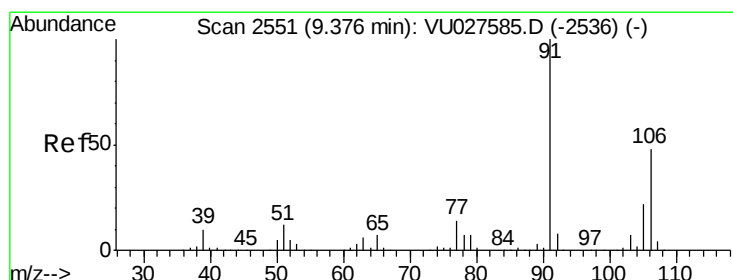
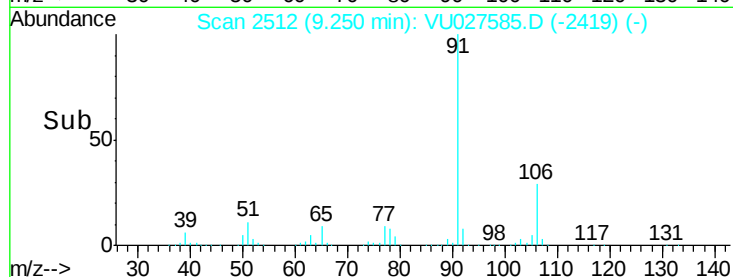
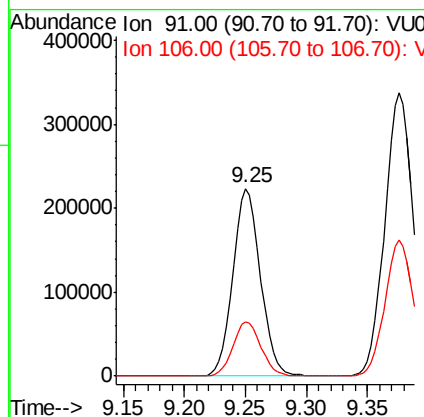
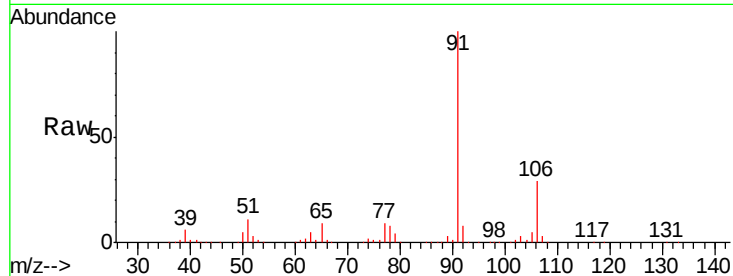
#67
Ethyl Benzene
Concen: 51.34 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 352191
Ion Ratio Lower Upper
91 100
106 29.3 23.6 35.4

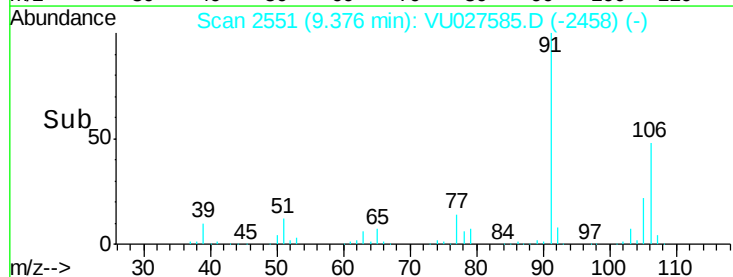
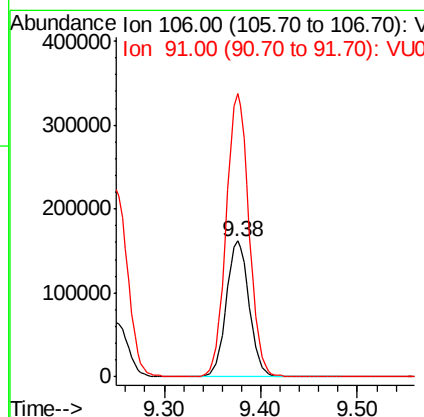
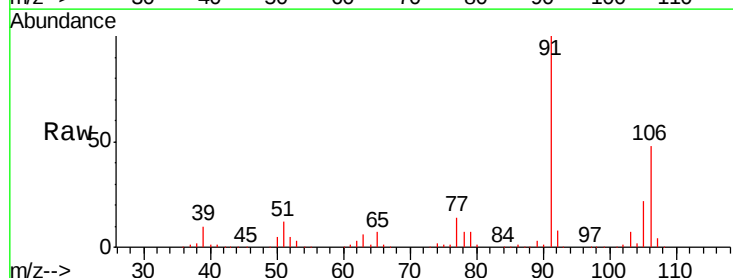
Manual Integrations
APPROVED

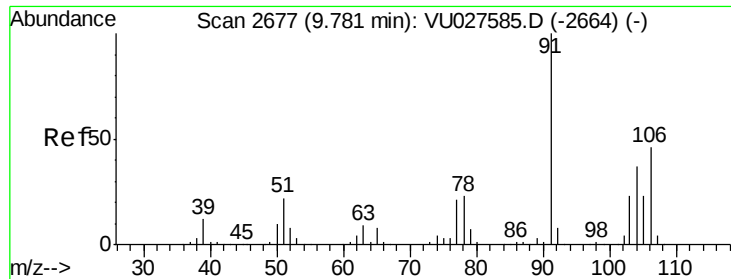
MMDadoda
10/16/2018 2:22:51 PM



#68
m/p-Xylenes
Concen: 105.42 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion: 106 Resp: 264497
Ion Ratio Lower Upper
106 100
91 208.4 168.1 252.1





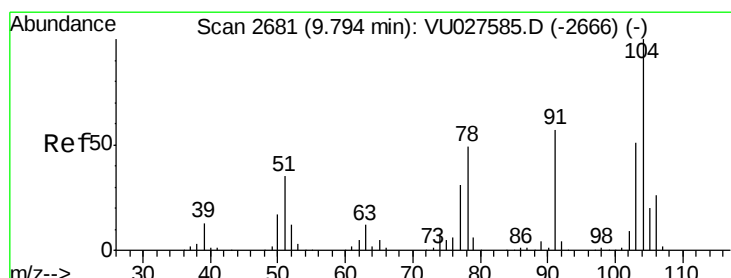
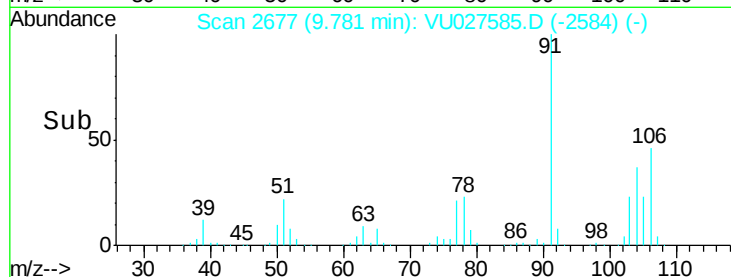
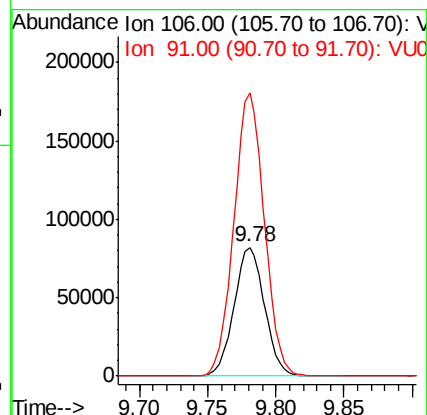
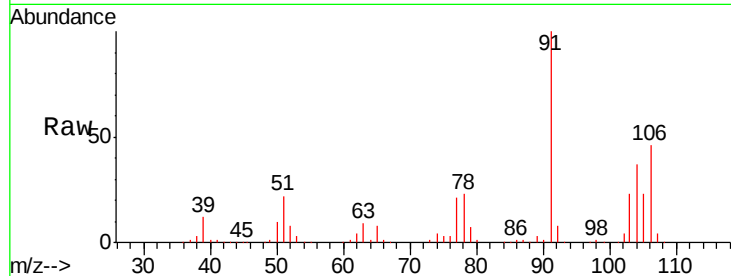
#69
o-Xylene
Concen: 53.33 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 127149
Ion Ratio Lower Upper
106 100
91 220.4 111.7 334.9

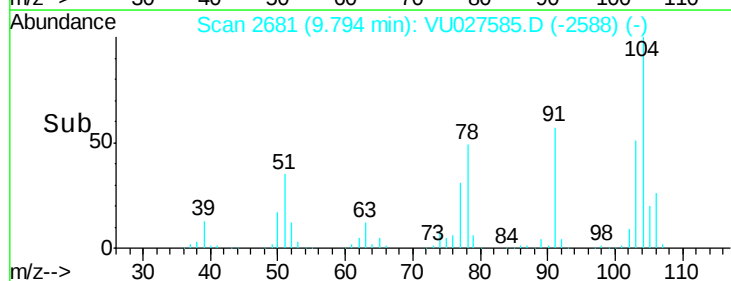
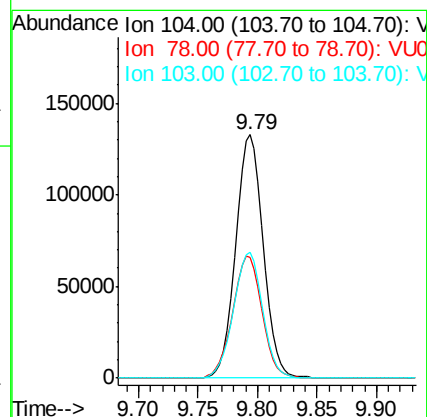
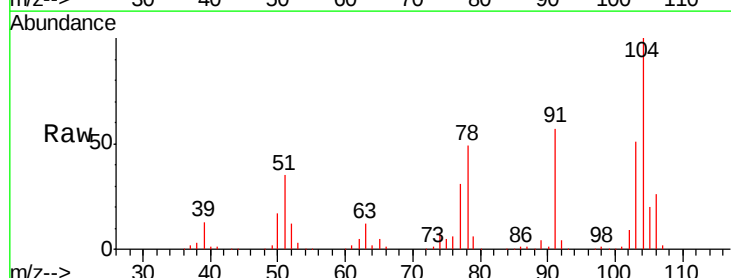
Manual Integrations
APPROVED

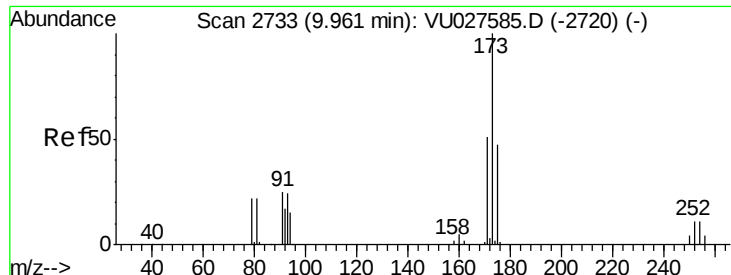
MMDadoda
10/16/2018 2:22:51 PM



#70
Styrene
Concen: 54.55 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion:104 Resp: 213576
Ion Ratio Lower Upper
104 100
78 53.4 42.9 64.3
103 54.6 43.9 65.9





#71

Bromoform

Concen: 53.77 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion:173 Resp: 57824

Ion Ratio Lower Upper

173 100

175 47.5 24.3 73.0

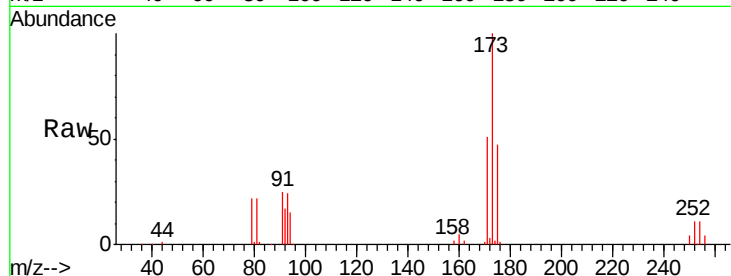
254 0.0 0.0 0.0

Manual Integrations

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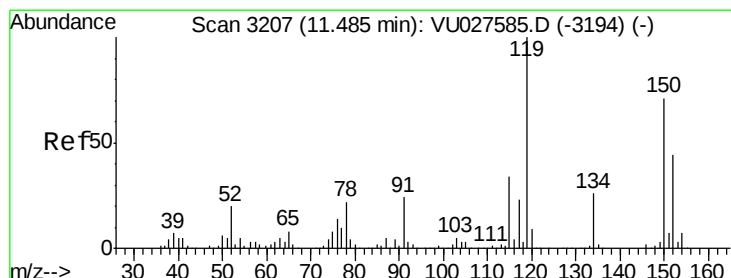
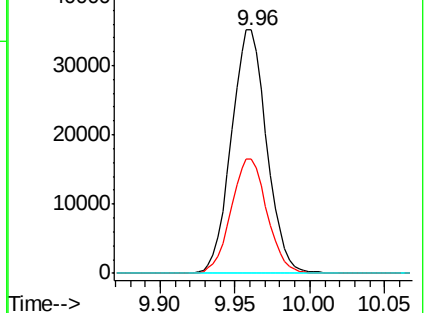
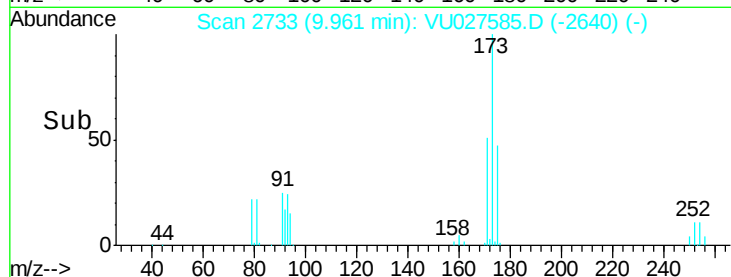
10/16/2018 2:22:51 PM



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: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

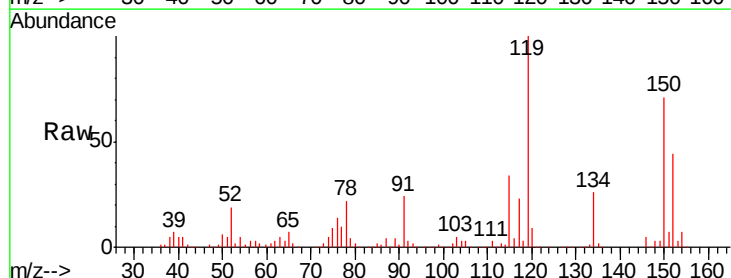
Tgt Ion:152 Resp: 92468

Ion Ratio Lower Upper

152 100

115 85.0 43.4 130.2

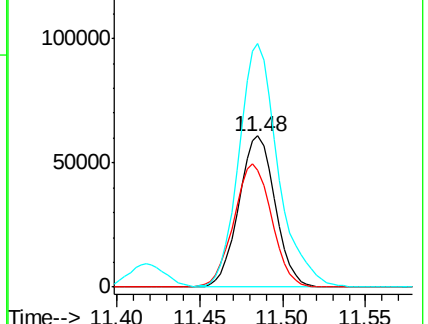
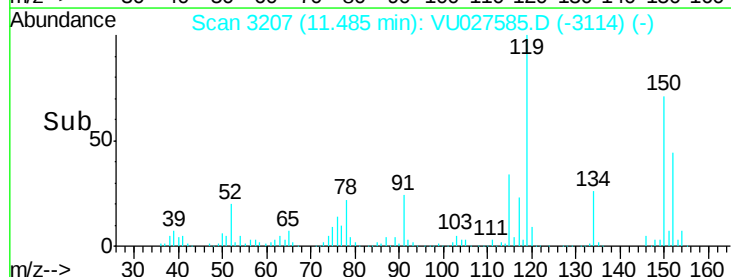
150 174.3 0.0 349.2

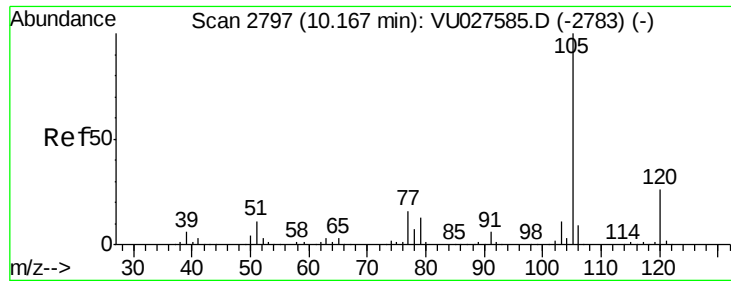


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.86 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 105 Resp: 341536

Ion Ratio Lower Upper

105 100

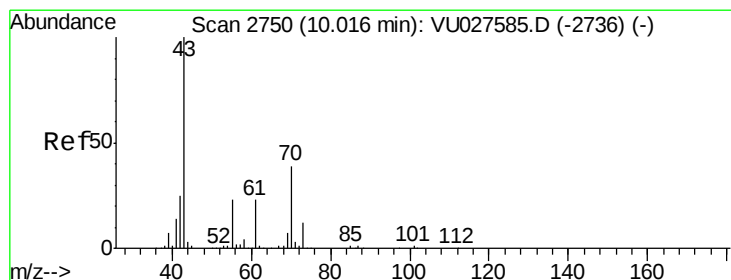
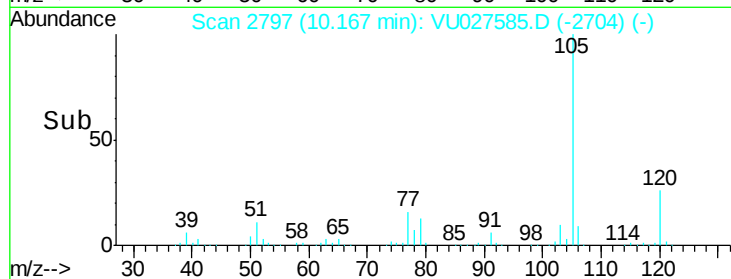
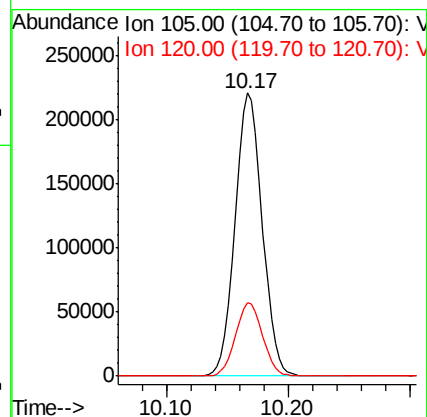
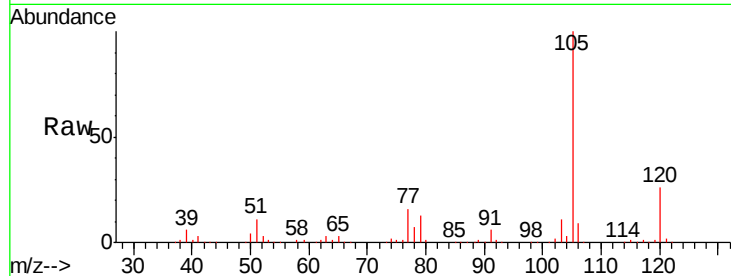
120 25.8 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.66 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Tgt Ion: 43 Resp: 202443

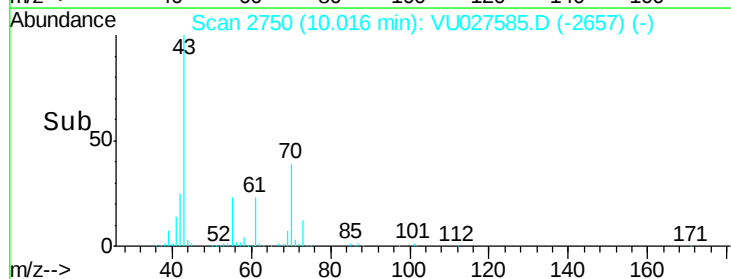
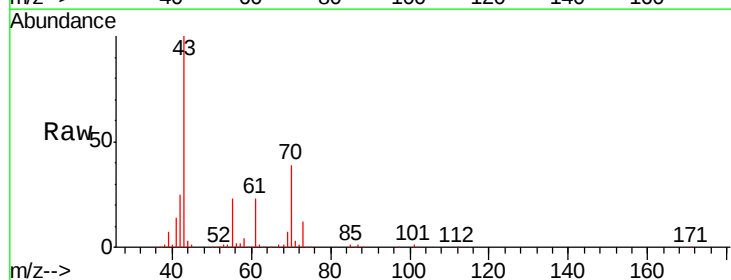
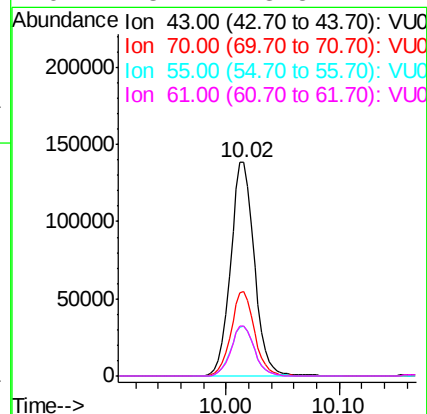
Ion Ratio Lower Upper

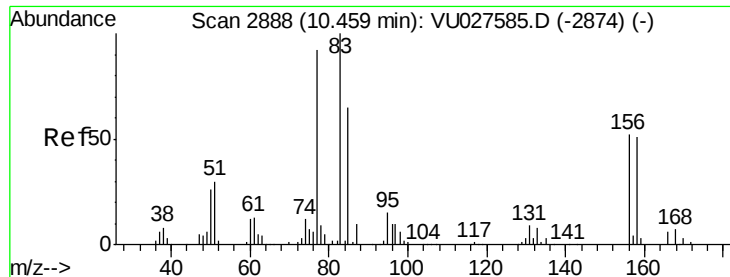
43 100

70 39.1 31.3 46.9

55 23.7 19.0 28.6

61 23.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.58 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 130751
Ion Ratio Lower Upper

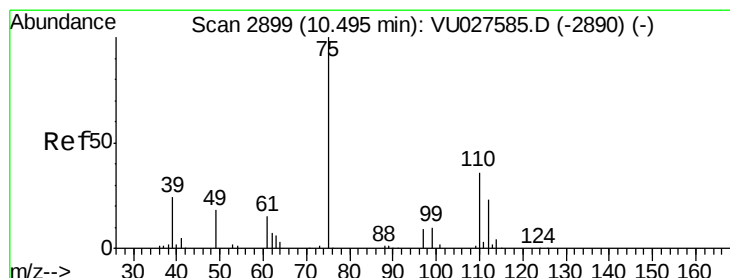
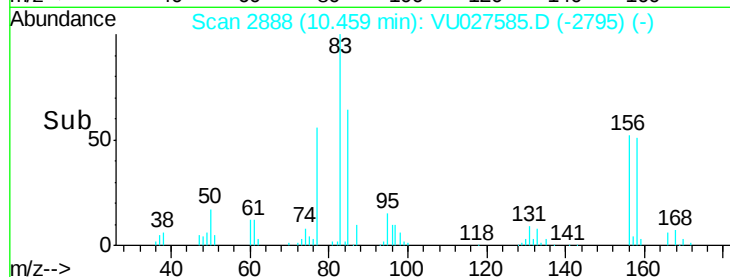
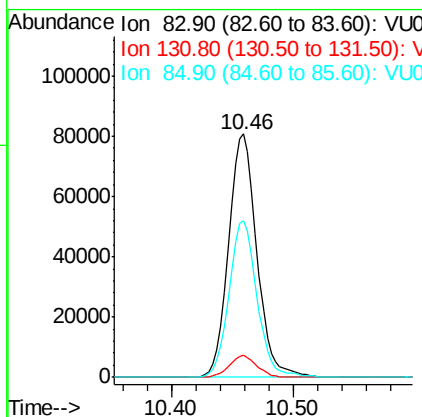
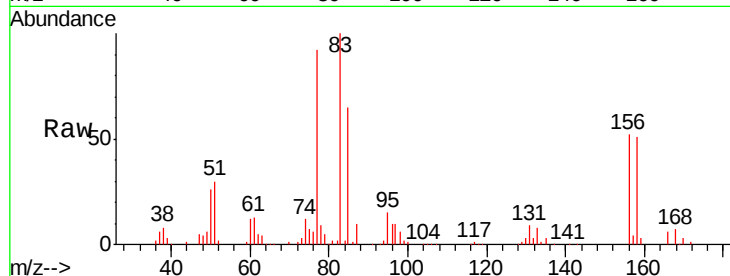
83 100

131 8.6 4.4 13.2

85 64.0 32.0 96.0

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#76

1,2,3-Trichloropropane

Concen: 47.77 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

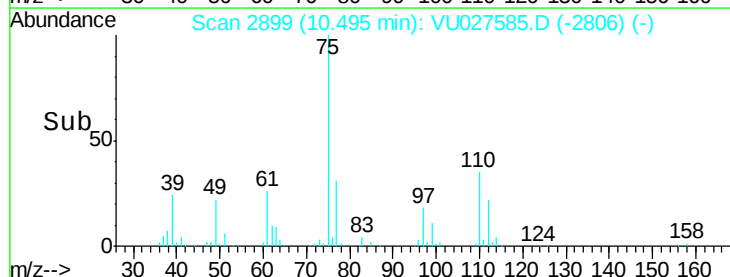
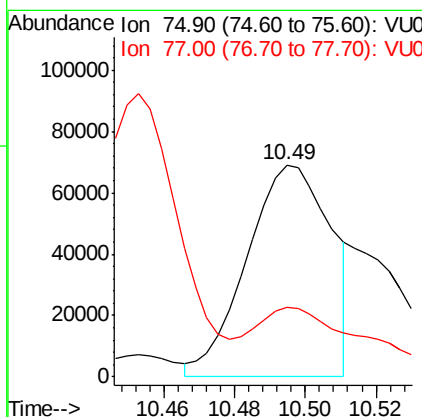
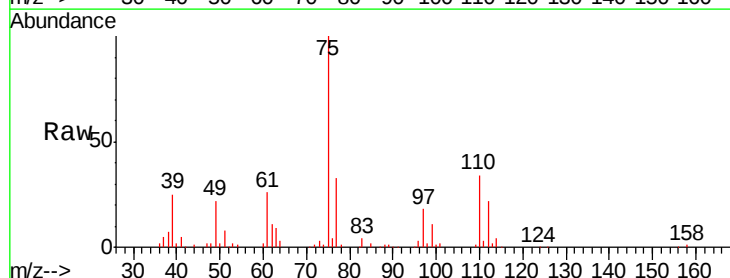
Lab File: VU027585.D

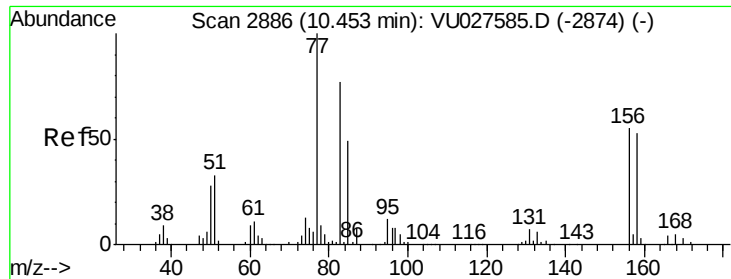
Acq: 11 Oct 2018 09:31

Tgt Ion: 75 Resp: 114493
Ion Ratio Lower Upper

75 100

77 43.9 20.3 60.9





#77

Bromobenzene

Concen: 50.82 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

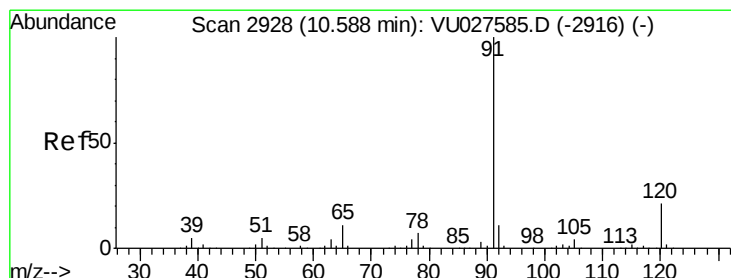
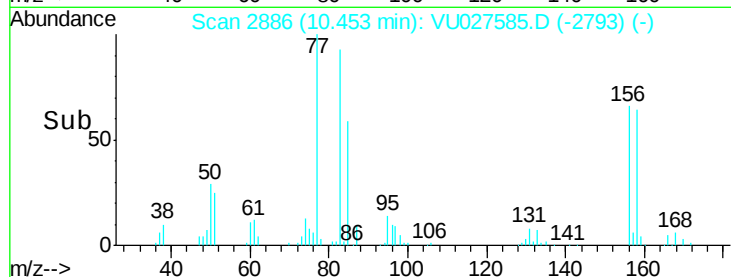
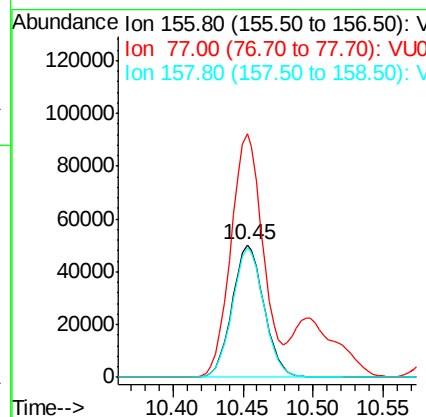
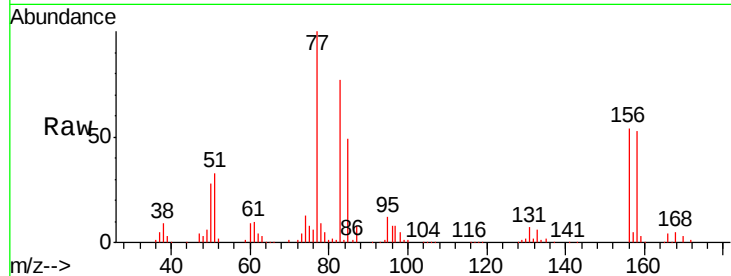
ClientSampleId :

VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	185.3	94.8	284.4
158	97.1	47.4	142.3

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#78

n-propylbenzene

Concen: 51.30 ug/l

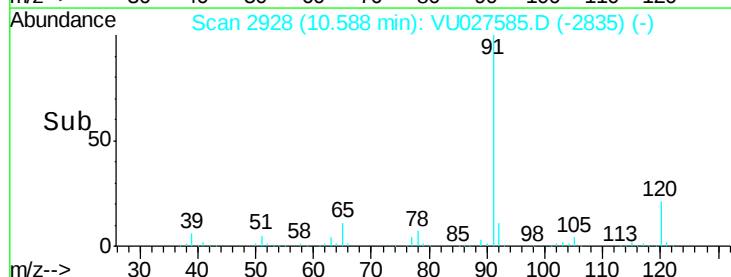
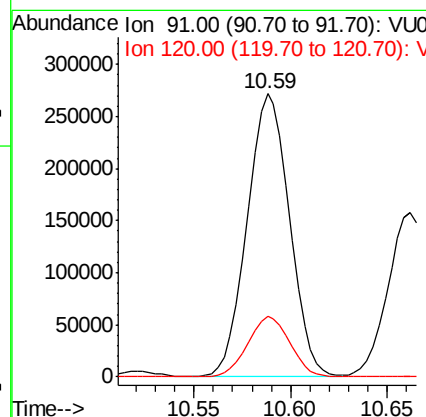
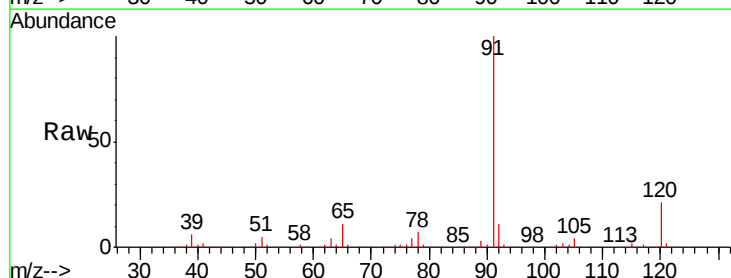
RT: 10.59 min Scan# 2928

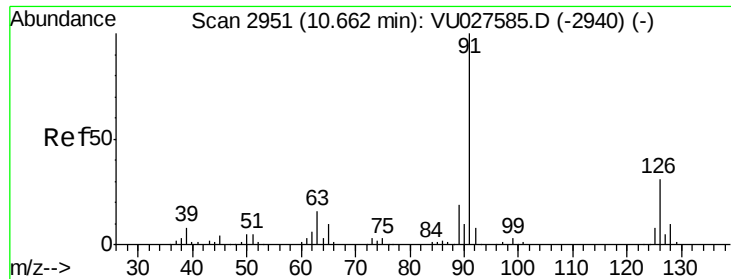
Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.6	31.8





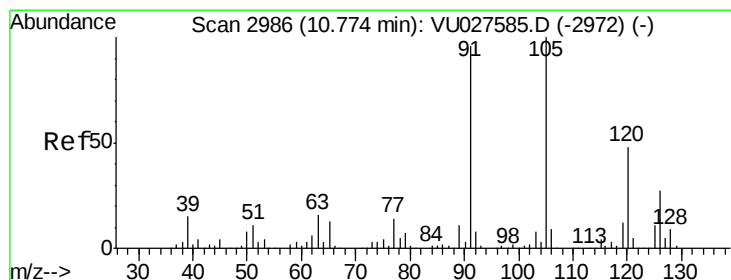
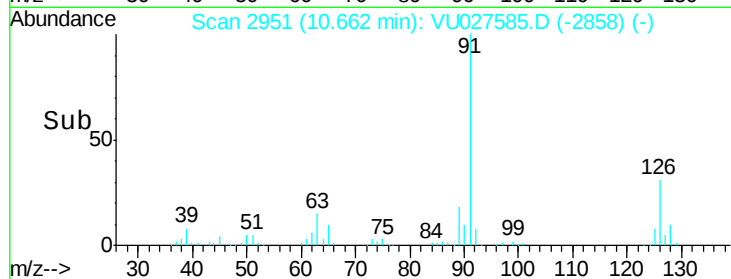
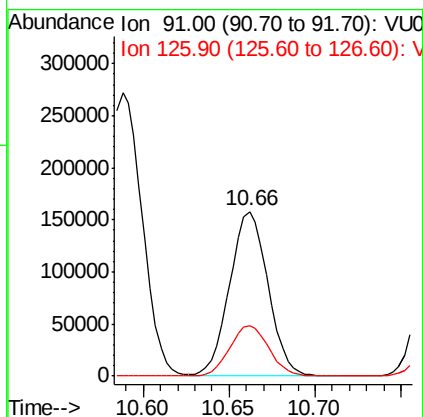
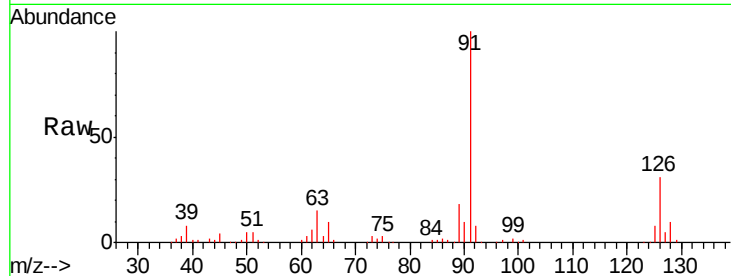
#79
 2-Chlorotoluene
 Concen: 49.94 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 91 Resp: 243355
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.7 47.1

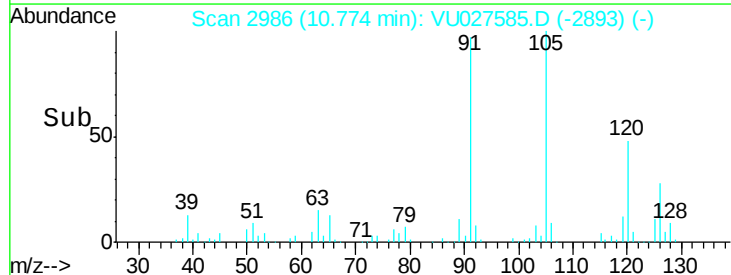
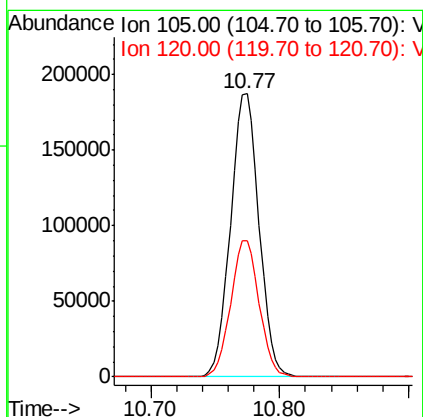
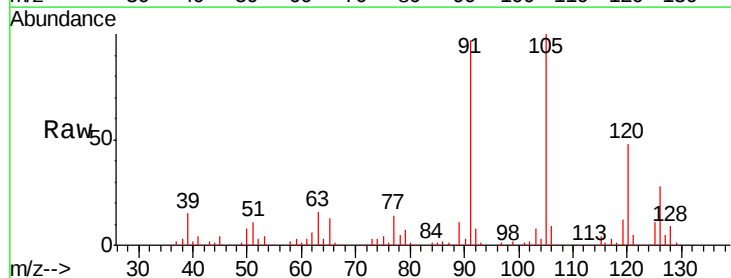
Manual Integrations
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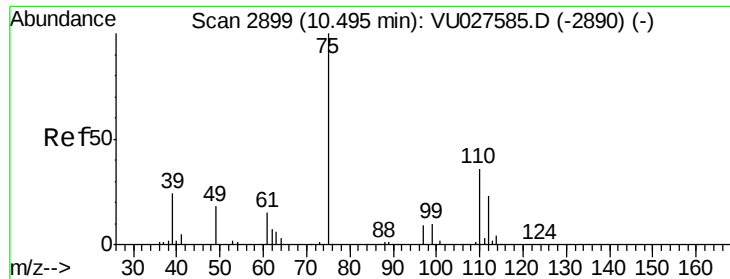
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.38 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Tgt Ion: 105 Resp: 286420
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.4





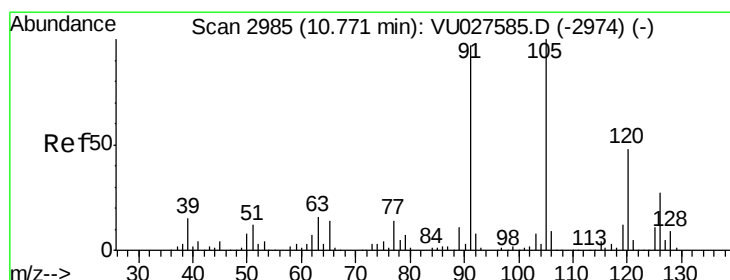
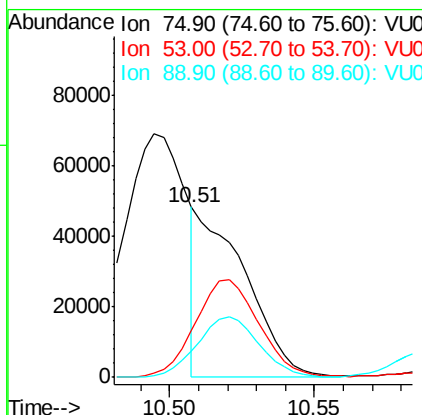
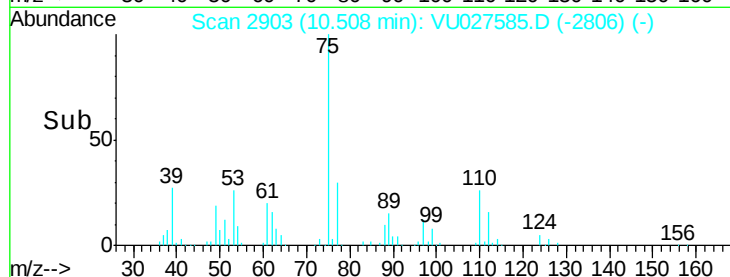
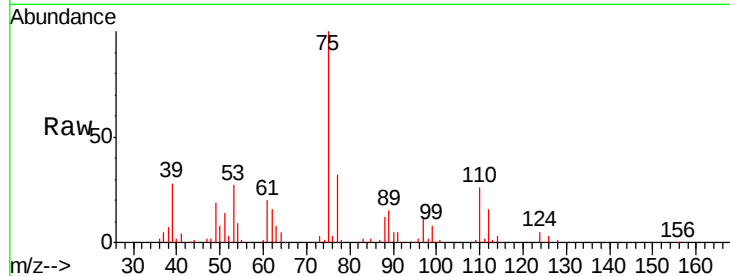
#81
trans-1,4-Dichloro-2-butene
Concen: 61.22 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

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

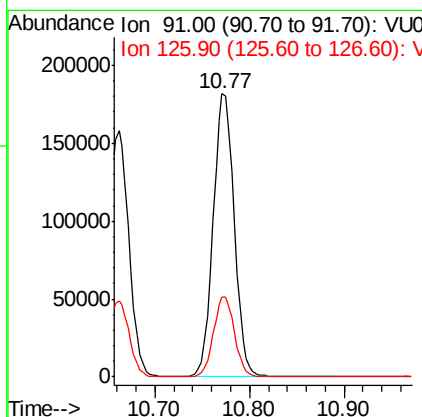
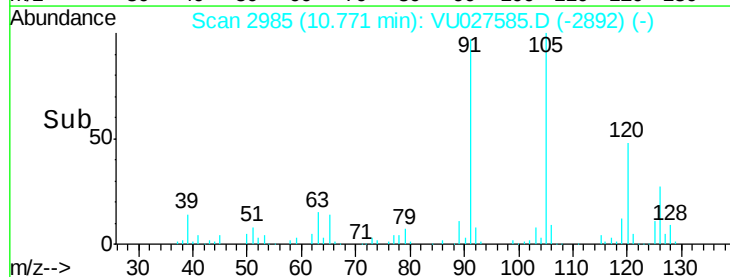
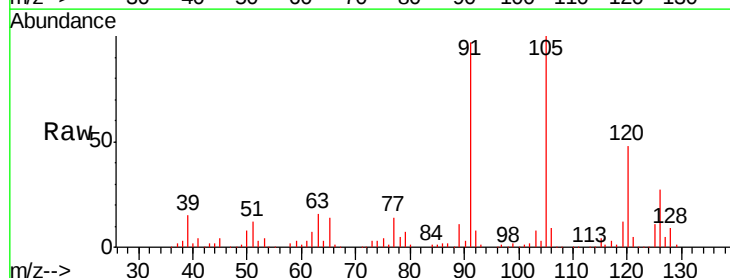
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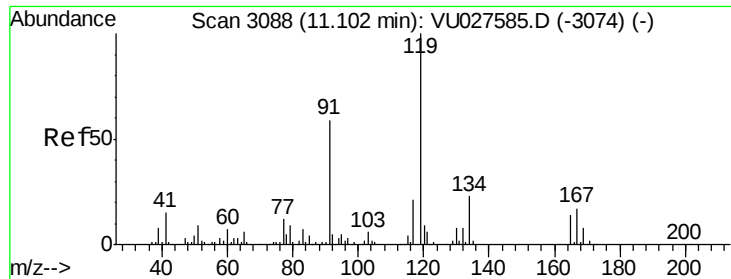
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#82
4-Chlorotoluene
Concen: 50.79 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	13.6	40.8





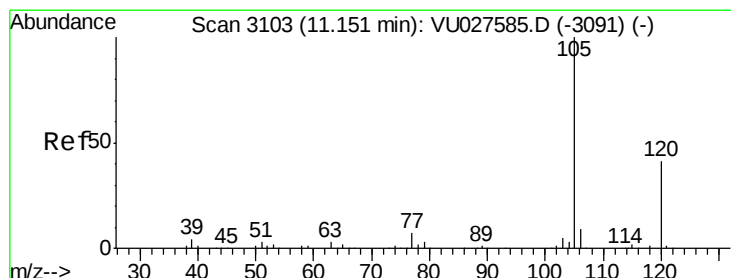
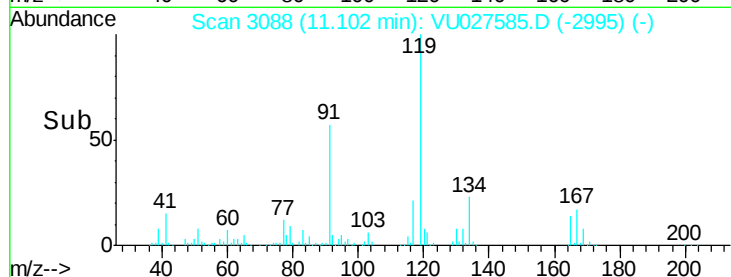
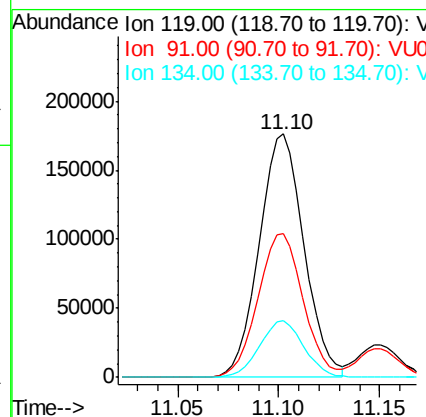
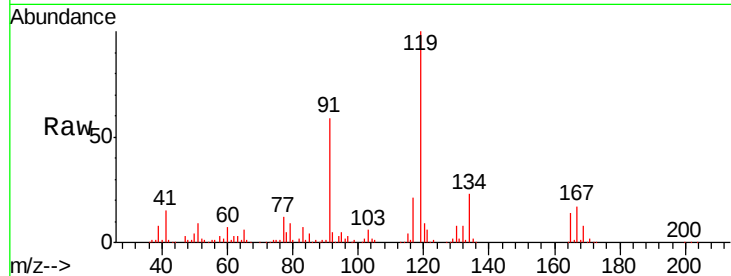
#83
 tert-Butylbenzene
 Concen: 51.75 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	273555		
91	59.3	30.3	91.0	
134	22.9	11.5	34.4	

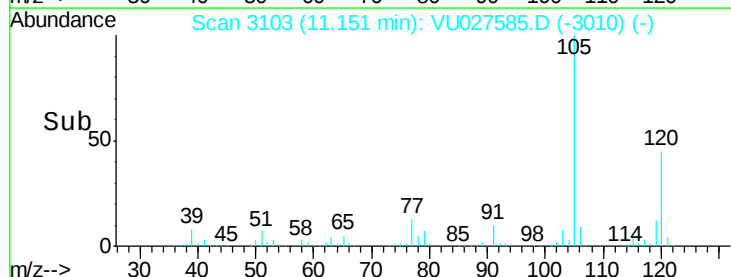
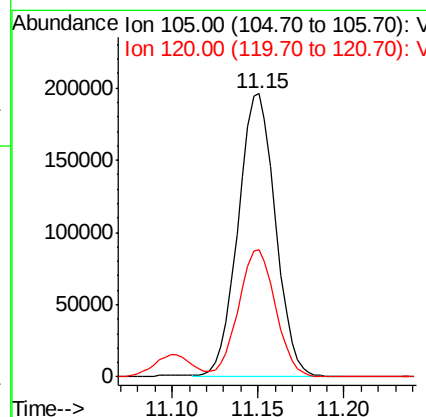
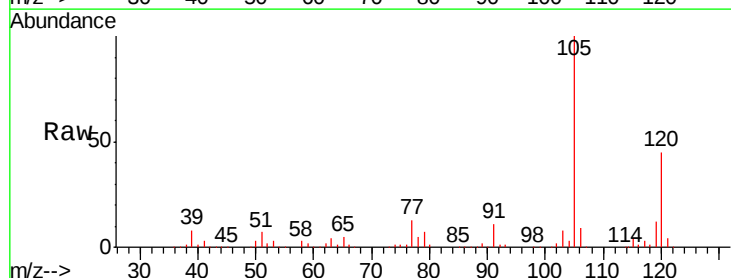
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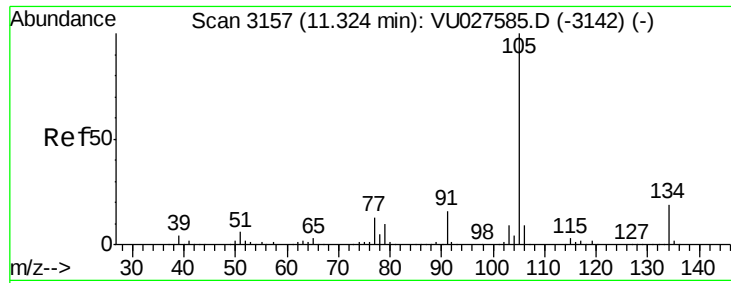
MMDadoda
 10/16/2018 2:22:51 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.71 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294420		
120	44.9	22.1	66.5	





#85

sec-Butylbenzene

Concen: 51.83 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 345172

Ion Ratio Lower Upper

105 100

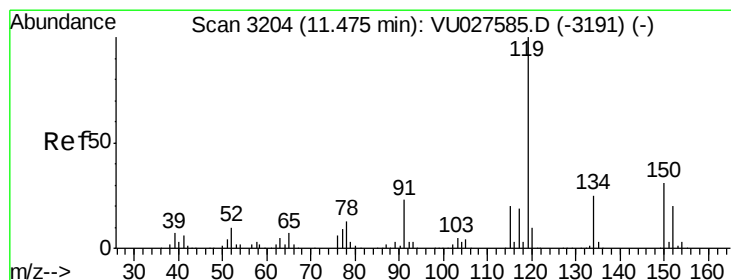
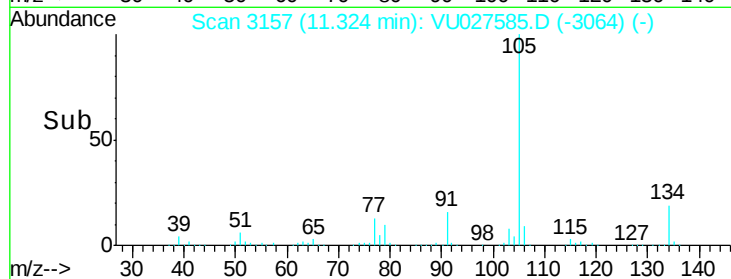
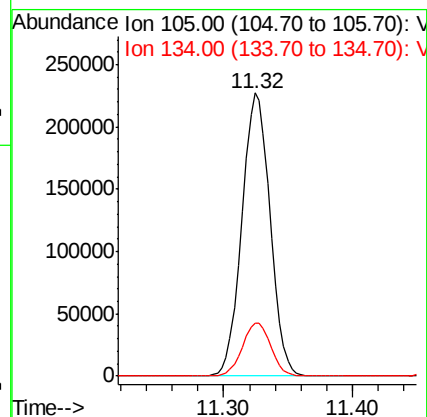
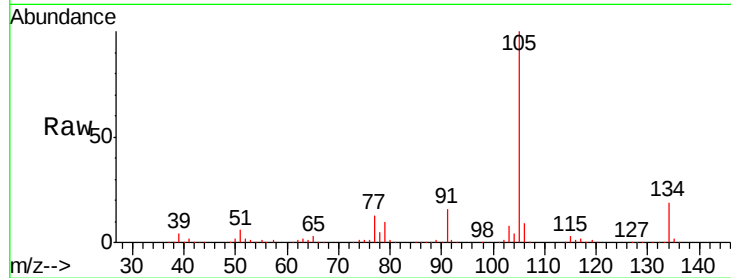
134 18.8 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.20 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

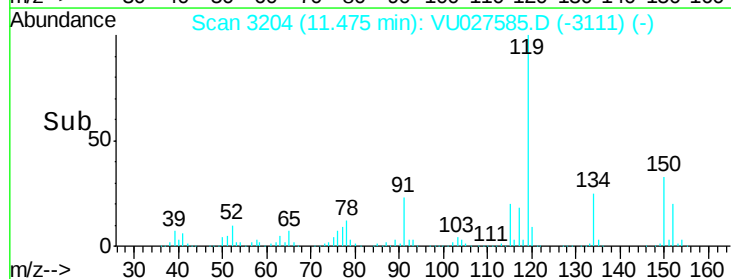
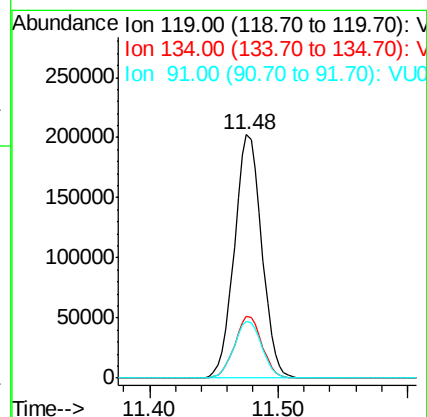
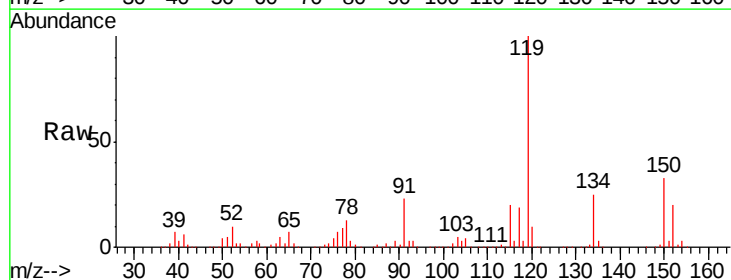
Tgt Ion:119 Resp: 297646

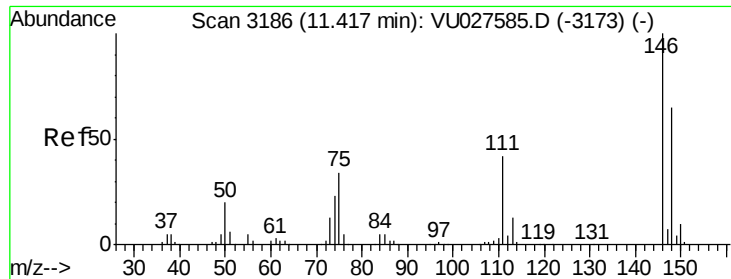
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

91 24.0 12.2 36.4





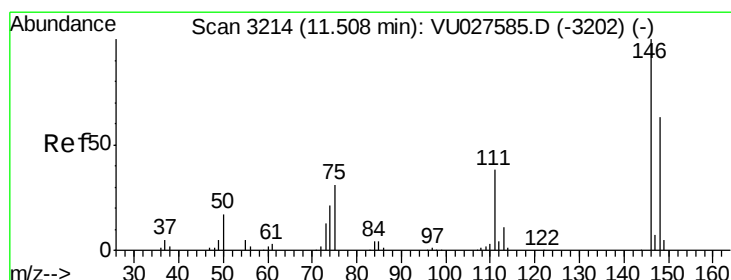
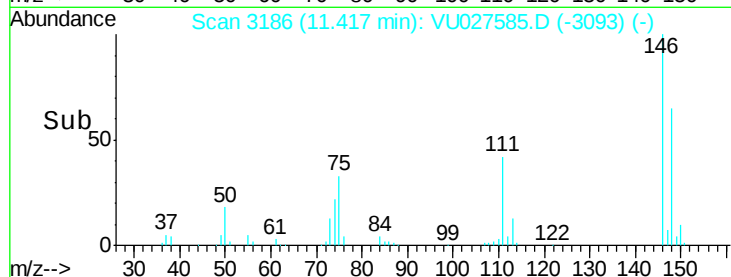
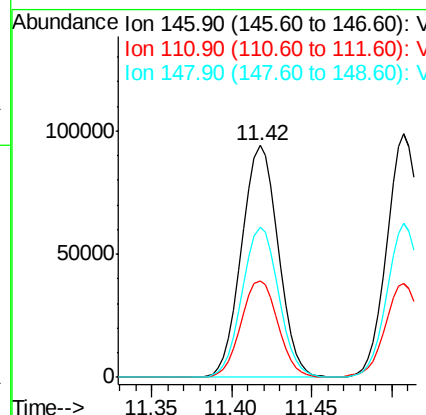
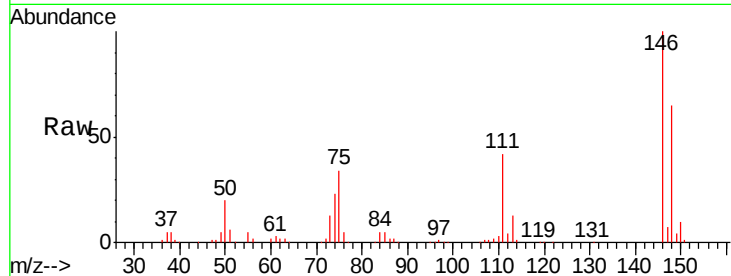
#87
 1,3-Dichlorobenzene
 Concen: 49.73 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	64.5	31.6	94.8

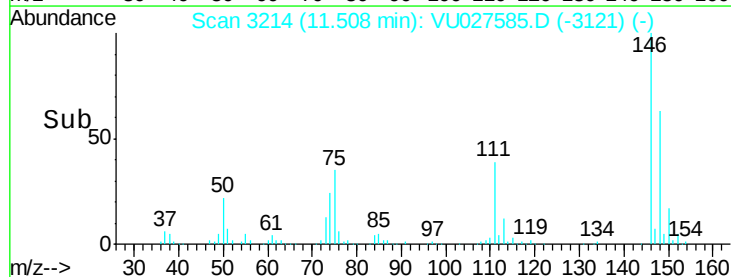
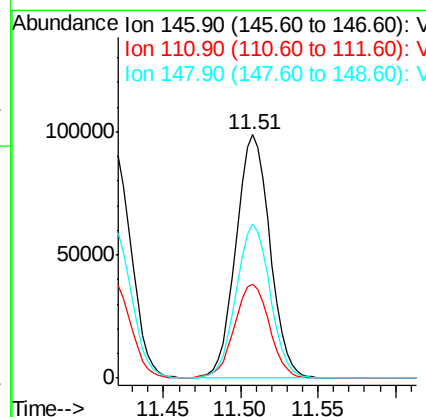
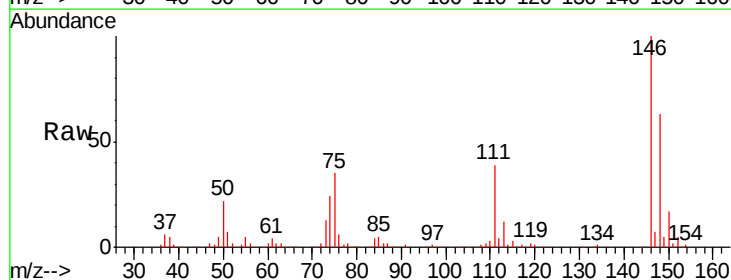
Manual Integrations
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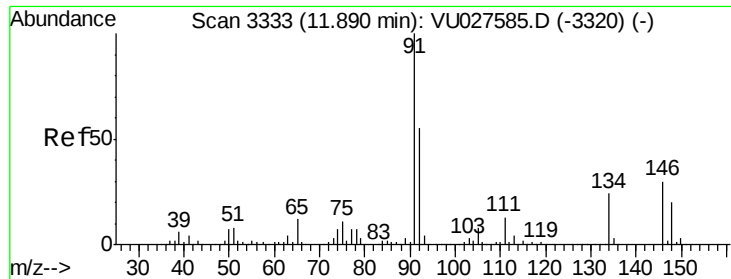
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#88
 1,4-Dichlorobenzene
 Concen: 49.61 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.2
148	63.8	31.9	95.5





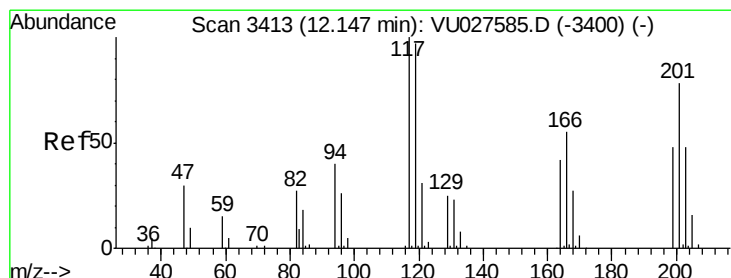
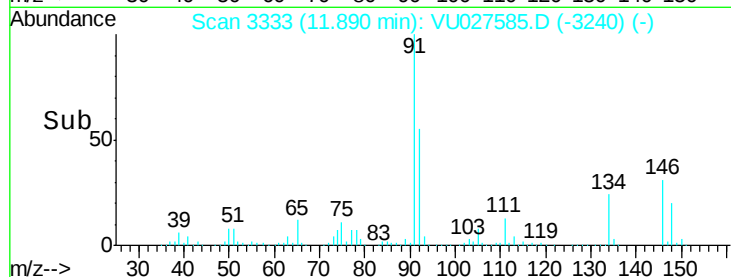
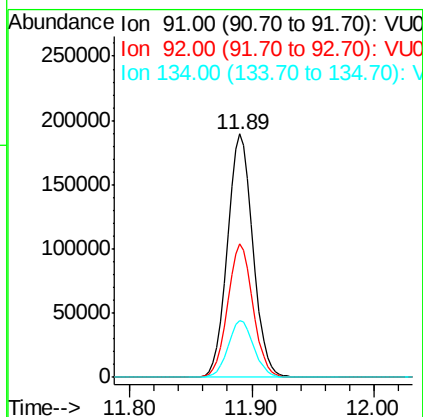
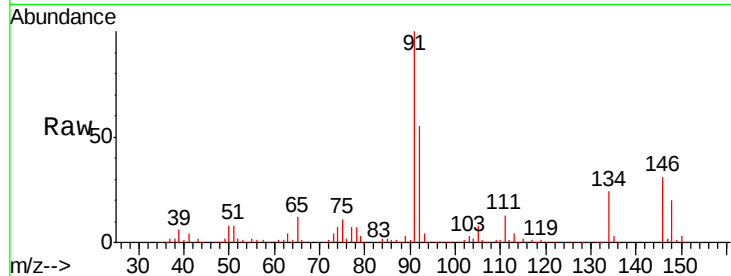
#89
n-Butylbenzene
Concen: 52.16 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 277426
Ion Ratio Lower Upper
91 100
92 54.4 27.0 81.0
134 23.4 11.7 35.1

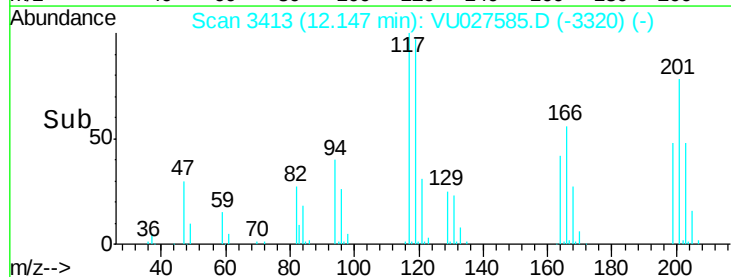
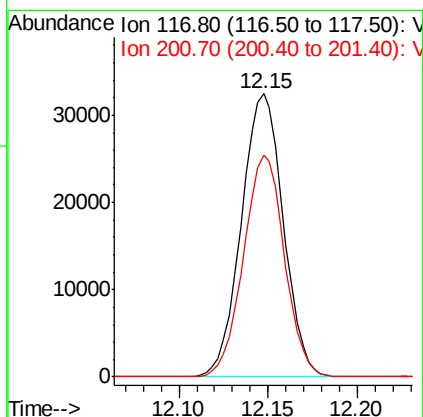
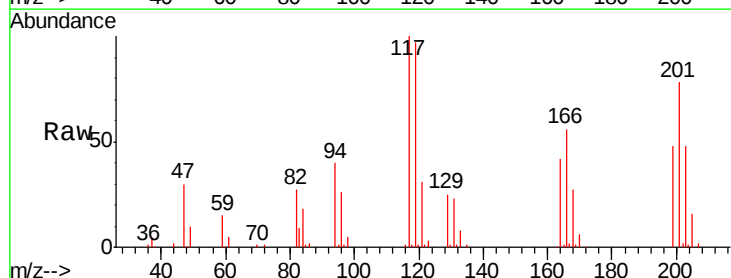
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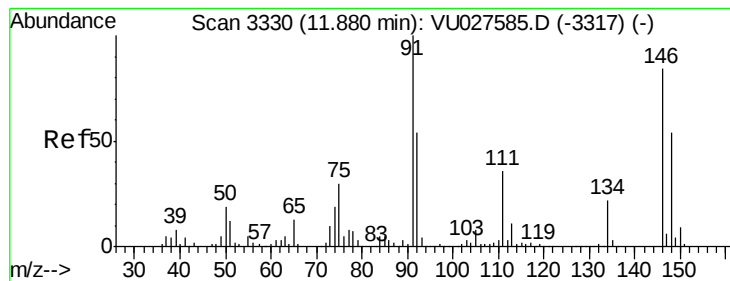
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#90
Hexachloroethane
Concen: 49.40 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027585.D
Acq: 11 Oct 2018 09:31

Tgt Ion: 117 Resp: 53097
Ion Ratio Lower Upper
117 100
201 76.6 37.9 113.6





#91

1,2-Dichlorobenzene

Concen: 50.87 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 146 Resp: 146348

Ion Ratio Lower Upper

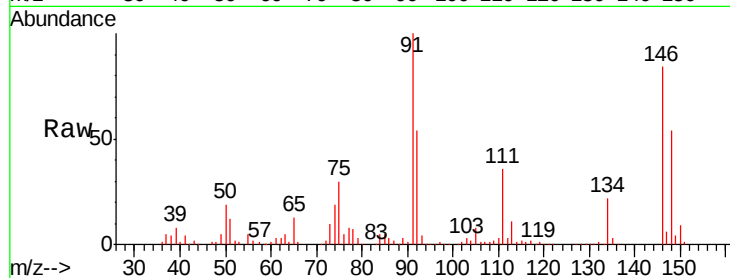
146 100

111 43.2 21.8 65.4

148 64.4 31.9 95.5

Manual Integrations
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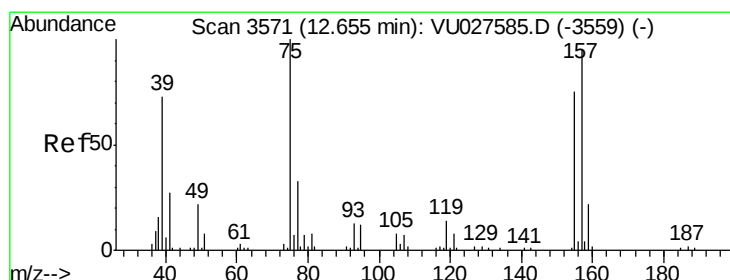
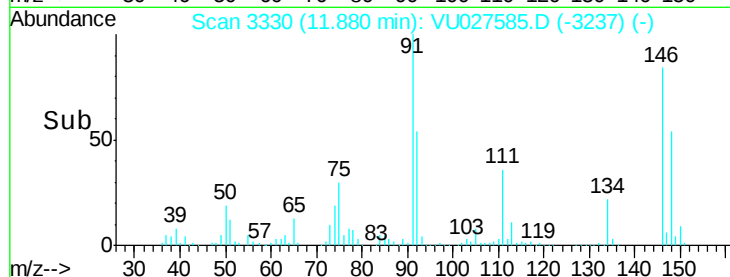
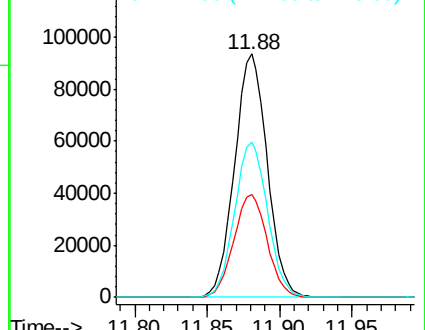
MMDadoda
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.65 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

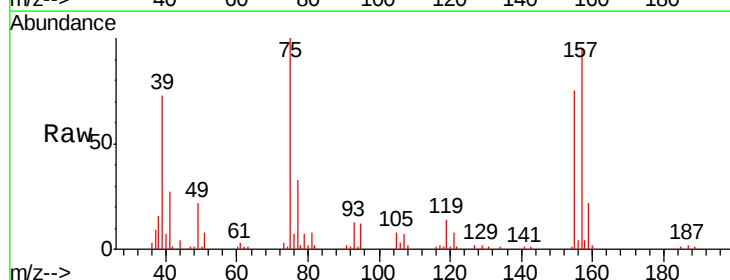
Tgt Ion: 75 Resp: 31353

Ion Ratio Lower Upper

75 100

155 74.5 35.9 107.8

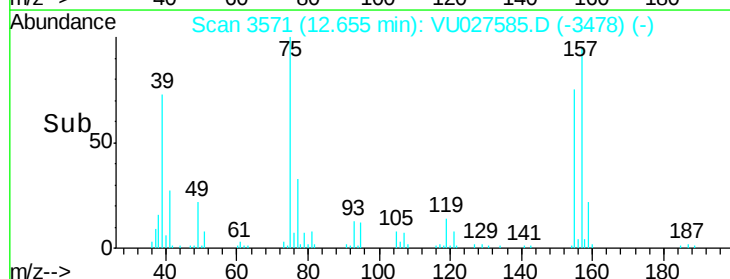
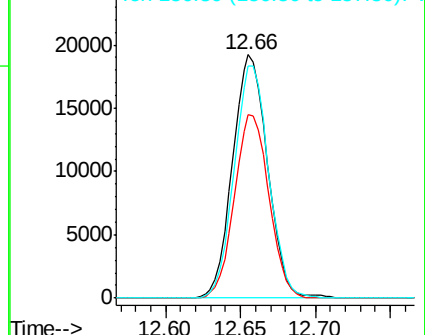
157 94.1 46.9 140.6

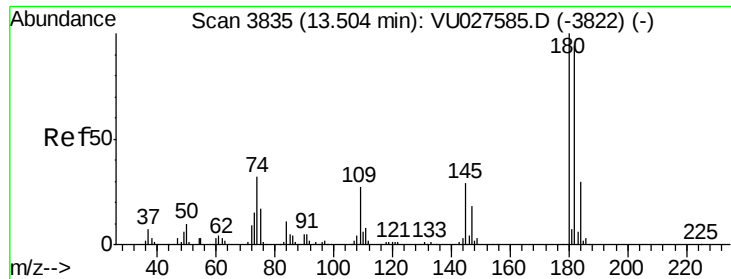


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





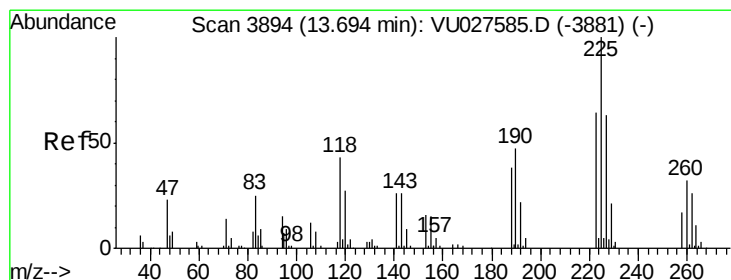
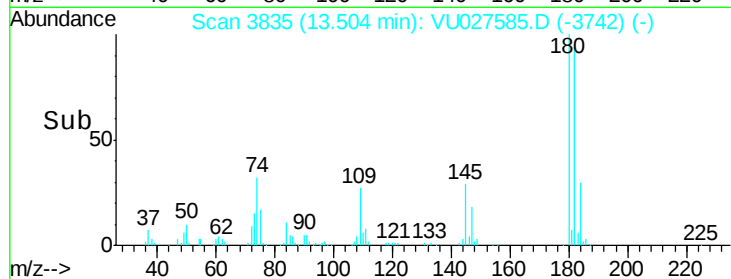
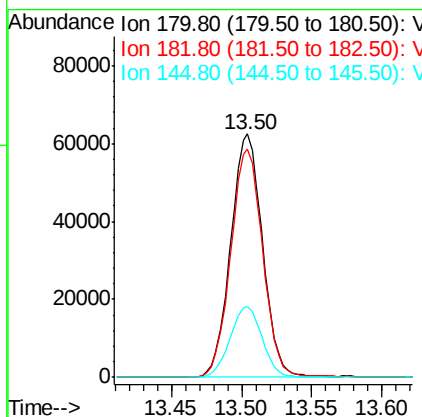
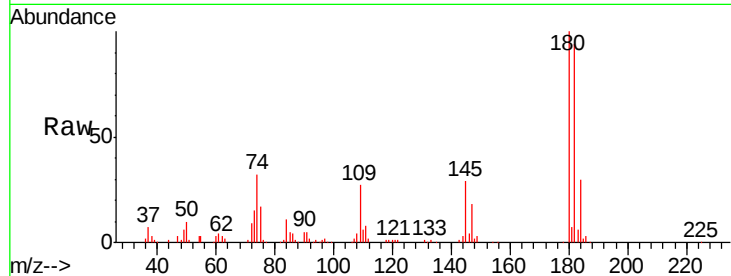
#93
 1,2,4-Trichlorobenzene
 Concen: 53.10 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98841		
182	94.1	47.4	142.3	
145	29.4	14.6	44.0	

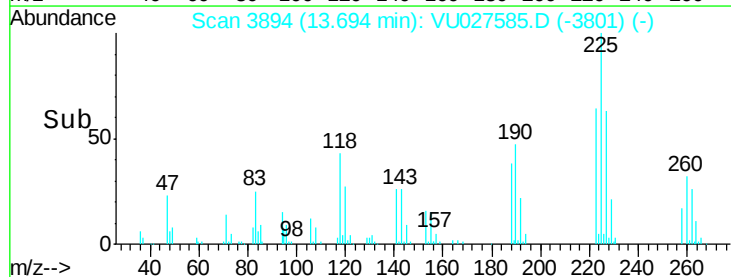
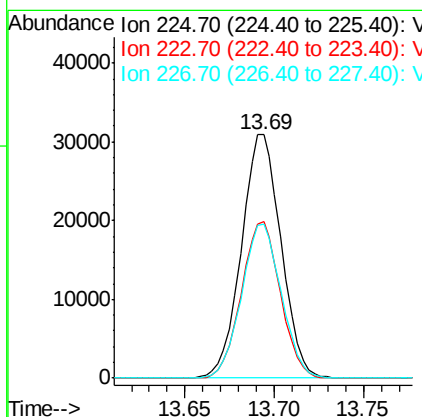
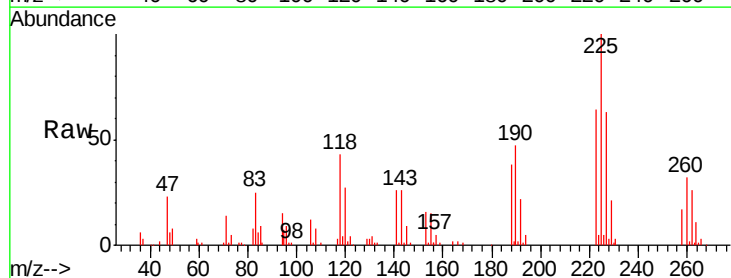
Manual Integrations
 APPROVED

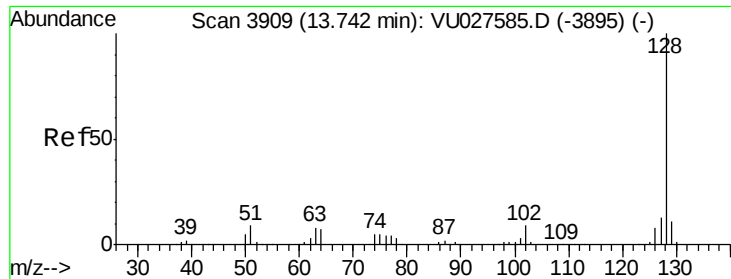
MMDadoda
 10/16/2018 2:22:51 PM



#94
 Hexachlorobutadiene
 Concen: 51.05 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027585.D
 Acq: 11 Oct 2018 09:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48009		
223	62.9	31.8	95.3	
227	63.4	31.9	95.7	





#95

Naphthalene

Concen: 55.73 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Instrument :

MSVOA_U

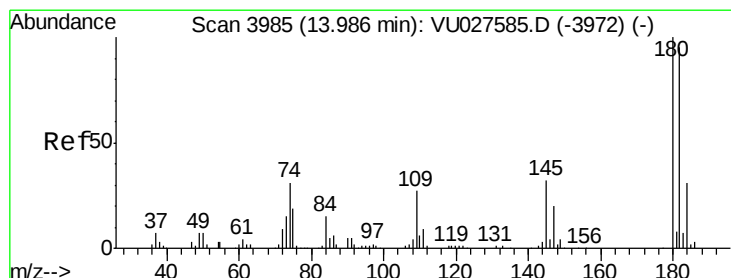
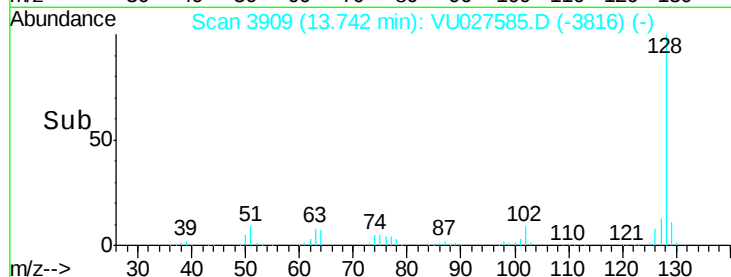
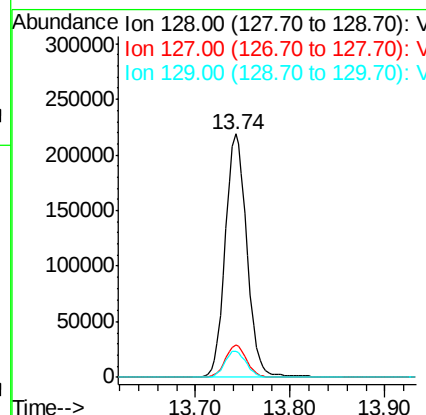
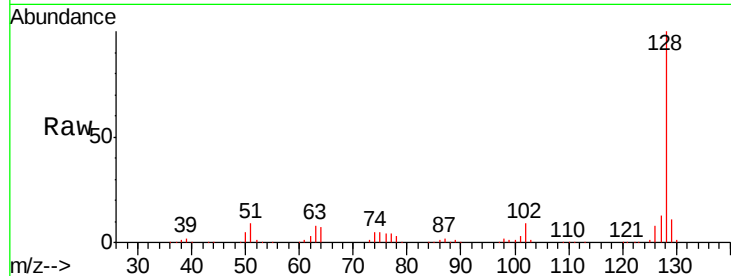
ClientSampleId :

VSTDICCC050

Tgt Ion:	128	Resp:	347824
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/16/2018 2:22:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.45 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027585.D

Acq: 11 Oct 2018 09:31

Tgt Ion:	180	Resp:	101711
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.4	142.2
145	31.4	15.9	47.7

